

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090718\
 Data File : VX004405.D
 Acq On : 07 Sep 2018 14:11
 Operator : JC/MD
 Sample : VX0907MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:15:27 AM

Quant Time: Sep 08 03:40:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	345831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	501072	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	421180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	288974	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	206140	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	
35) Dibromofluoromethane	5.50	113	178190	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
50) Toluene-d8	8.71	98	664282	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
62) 4-Bromofluorobenzene	11.14	95	255151	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	60728	15.16	ug/l	100
3) Chloromethane	1.32	50	74445	17.01	ug/l	98
4) Vinyl Chloride	1.40	62	80707	17.81	ug/l	99
5) Bromomethane	1.64	94	41581	17.29	ug/l	100
6) Chloroethane	1.72	64	58361	17.47	ug/l	97
7) Trichlorofluoromethane	1.93	101	114884	18.50	ug/l	96
8) Diethyl Ether	2.19	74	53598	20.16	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	73757	18.96	ug/l	100
10) Methyl Iodide	2.51	142	61856	17.16	ug/l	97
11) Tert butyl alcohol	3.07	59	99666	103.73	ug/l	100
12) 1,1-Dichloroethene	2.37	96	67939	18.54	ug/l	97
13) Acrolein	2.29	56	17420	75.20	ug/l	94
14) Allyl chloride	2.73	41	135404	20.12	ug/l	95
15) Acrylonitrile	3.15	53	243016	102.13	ug/l	100
16) Acetone	2.44	43	196111	101.79	ug/l	100
17) Carbon Disulfide	2.57	76	163808	16.64	ug/l	99
18) Methyl Acetate	2.78	43	176601	26.40	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	245949	20.37	ug/l	98
20) Methylene Chloride	2.85	84	82225	18.95	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	73703	18.18	ug/l	100
22) Diisopropyl ether	3.87	45	253301	20.15	ug/l	94
23) Vinyl Acetate	3.82	43	947707	93.04	ug/l	99
24) 1,1-Dichloroethane	3.70	63	146151	19.95	ug/l	99
25) 2-Butanone	4.70	43	308949	100.59	ug/l	98
26) 2,2-Dichloropropane	4.58	77	109332	19.03	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	87227	18.96	ug/l	100
28) Bromochloromethane	5.01	49	66371	20.47	ug/l	99
29) Tetrahydrofuran	5.15	42	196434	101.43	ug/l	99
30) Chloroform	5.21	83	144386	19.66	ug/l	96
31) Cyclohexane	5.57	56	114539	18.12	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	117672	19.22	ug/l	99
36) 1,1-Dichloropropene	5.80	75	102205	18.14	ug/l	99
37) Ethyl Acetate	4.85	43	109385	19.74	ug/l	99
38) Carbon Tetrachloride	5.77	117	99002	18.68	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	118026	18.35	ug/l	98
40) Benzene	6.14	78	325835	19.36	ug/l	100
41) Methacrylonitrile	5.06	41	64934	20.22	ug/l	99
42) 1,2-Dichloroethane	6.20	62	109431	19.06	ug/l	98
43) Isopropyl Acetate	6.46	43	170335	20.01	ug/l	99
44) Trichloroethene	7.21	130	89262	19.16	ug/l	99
45) 1,2-Dichloropropane	7.52	63	84986	20.17	ug/l	99
46) Dibromomethane	7.66	93	53915	19.22	ug/l	99
47) Bromodichloromethane	7.90	83	102579	19.65	ug/l	99
48) Methyl methacrylate	7.77	41	90761	19.92	ug/l	98
49) 1,4-Dioxane	7.76	88	42673	412.61	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	596338	96.41	ug/l	100
52) Toluene	8.79	92	207699	19.71	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	111770	19.39	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	126340	20.12	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	86677	20.38	ug/l	97
56) Ethyl methacrylate	9.18	69	118232	20.42	ug/l	97
57) 1,3-Dichloropropane	9.37	76	144480	20.15	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	314858	106.13	ug/l	99
59) 2-Hexanone	9.50	43	454090	96.23	ug/l	100
60) Dibromochloromethane	9.59	129	81044	19.56	ug/l	99
61) 1,2-Dibromoethane	9.67	107	86417	19.63	ug/l	100
64) Tetrachloroethene	9.34	164	96541	23.20	ug/l	99
65) Chlorobenzene	10.14	112	213405	20.19	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	72106	19.78	ug/l	95
67) Ethyl Benzene	10.26	91	339407	19.77	ug/l	98
68) m/p-Xylenes	10.36	106	292883	43.63	ug/l	93
69) o-Xylene	10.70	106	130980	20.63	ug/l	95
70) Styrene	10.71	104	230873	22.46	ug/l	99
71) Bromoform	10.86	173	61523	20.93	ug/l #	100
73) Isopropylbenzene	11.02	105	389947	20.55	ug/l	99
74) N-amyl acetate	10.90	43	139277	19.06	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	127939	19.26	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	116159m	19.76	ug/l	
77) Bromobenzene	11.26	156	105751	19.86	ug/l	99
78) n-propylbenzene	11.36	91	445349	20.40	ug/l	100
79) 2-Chlorotoluene	11.42	91	268335	19.97	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	323776	20.60	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	35216	19.44	ug/l	99
82) 4-Chlorotoluene	11.51	91	312735	19.78	ug/l	100
83) tert-Butylbenzene	11.77	119	317795	20.10	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	335463	20.79	ug/l	100
85) sec-Butylbenzene	11.94	105	398536	21.23	ug/l	99
86) p-Isopropyltoluene	12.07	119	356055	21.16	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	191892	19.14	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	197422	18.68	ug/l	99
89) n-Butylbenzene	12.39	91	270982	19.81	ug/l	99
90) Hexachloroethane	12.60	117	46502	19.77	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	180816	19.74	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21894	18.72	ug/l	91

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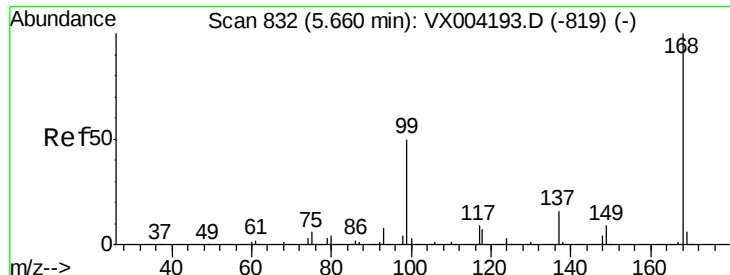
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	137149	20.58	ug/l	99
94) Hexachlorobutadiene	13.79	225	70175	22.55	ug/l	97
95) Naphthalene	13.83	128	405369	21.50	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	145460	20.61	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

ClientSampled :

VX0907MBS01

Tot Ion:168 Resp: 345831

Ion Ratio Lower Upper

168 100

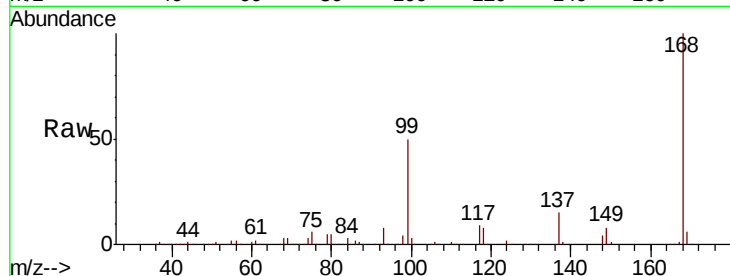
99 50.2 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

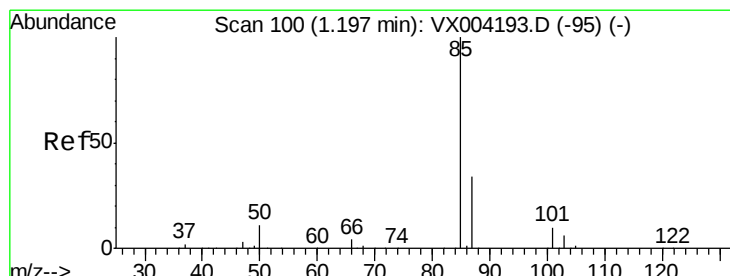
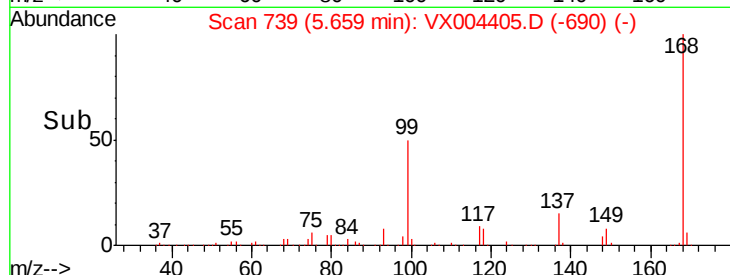
5.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 15.16 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004405.D

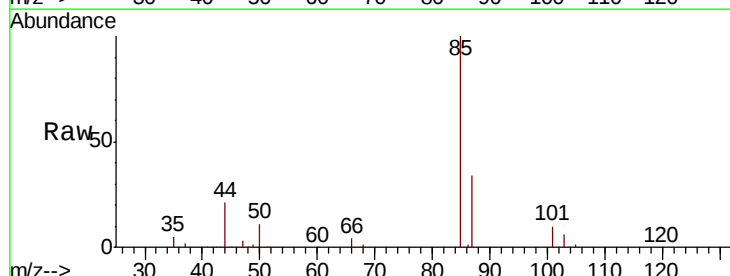
Acq: 07 Sep 2018 14:11

Tgt Ion: 85 Resp: 60728

Ion Ratio Lower Upper

85 100

87 34.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

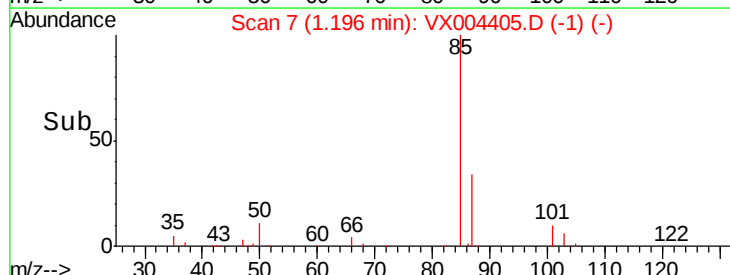
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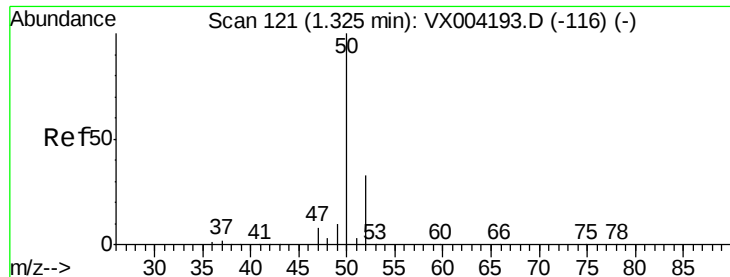
40000

20000

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Time-->





#3

Chloromethane

Concen: 17.01 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBS01

Tot Ion: 50 Resp: 74445

Ion Ratio Lower Upper

50 100

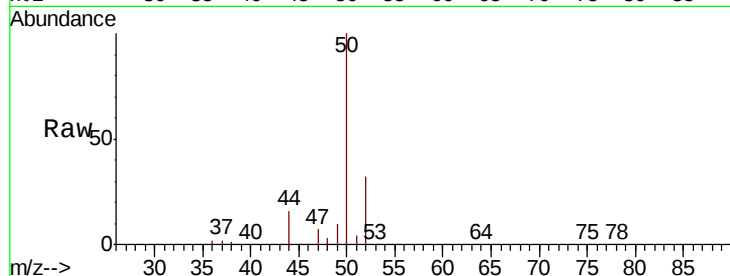
52 31.7 26.2 39.2

Manual Integrations

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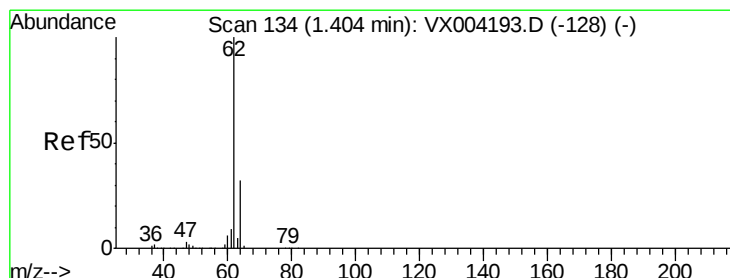
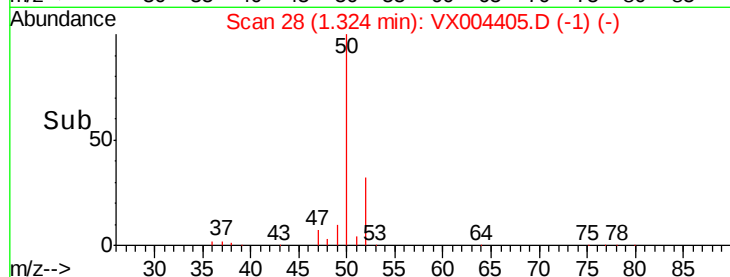
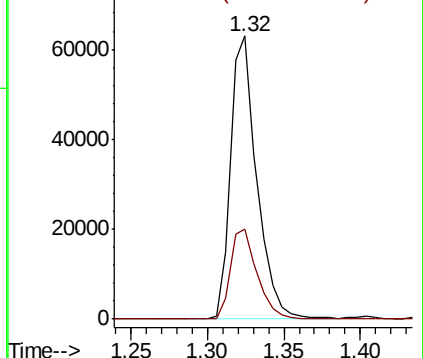
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.81 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004405.D

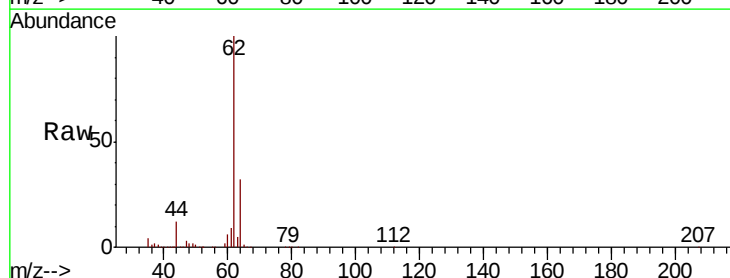
Acq: 07 Sep 2018 14:11

Tgt Ion: 62 Resp: 80707

Ion Ratio Lower Upper

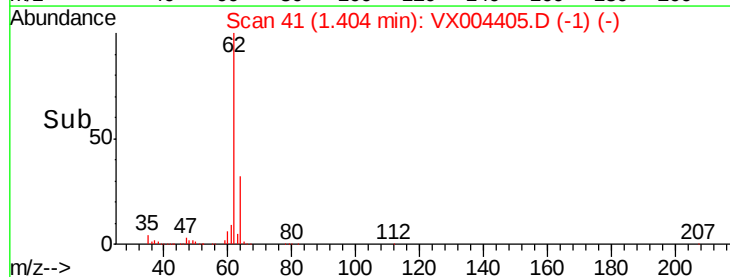
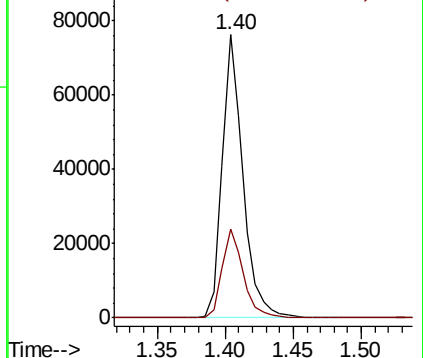
62 100

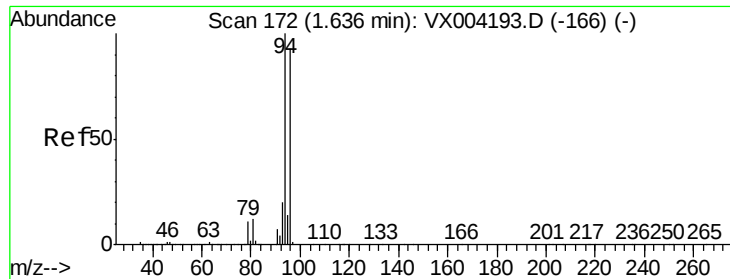
64 31.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.29 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBS01

Tot Ion: 94 Resp: 41581

Ion Ratio Lower Upper

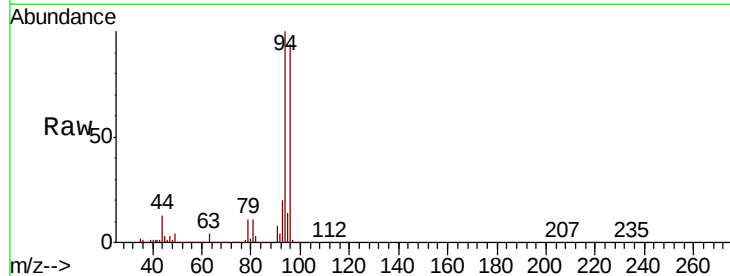
94 100

96 93.5 74.5 111.7

Manual Integrations
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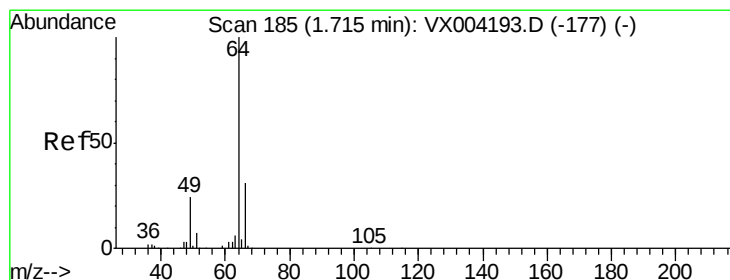
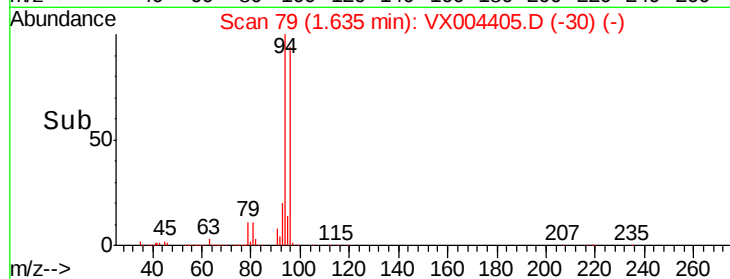
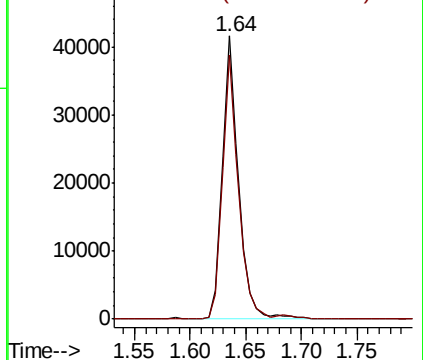
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.47 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004405.D

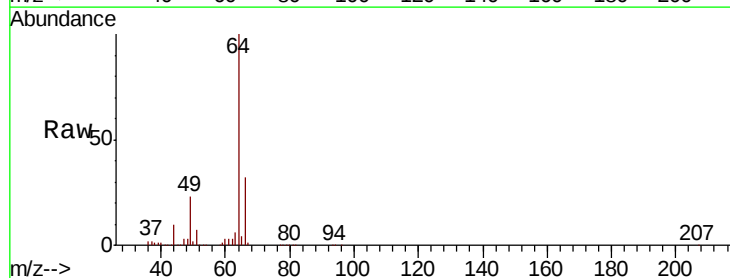
Acq: 07 Sep 2018 14:11

Tgt Ion: 64 Resp: 58361

Ion Ratio Lower Upper

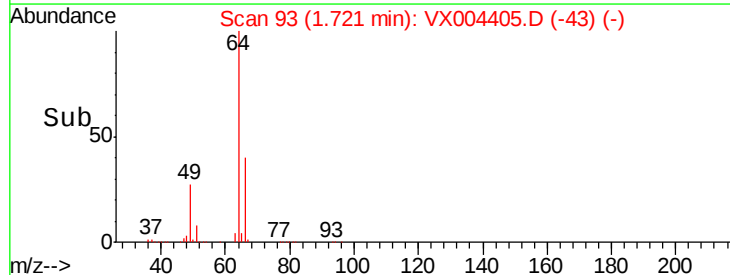
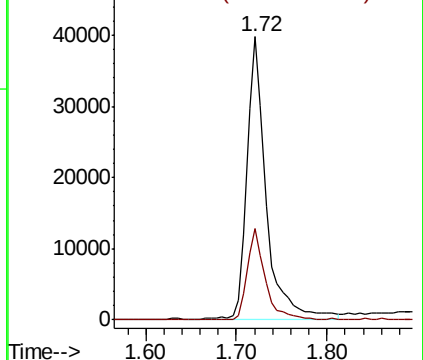
64 100

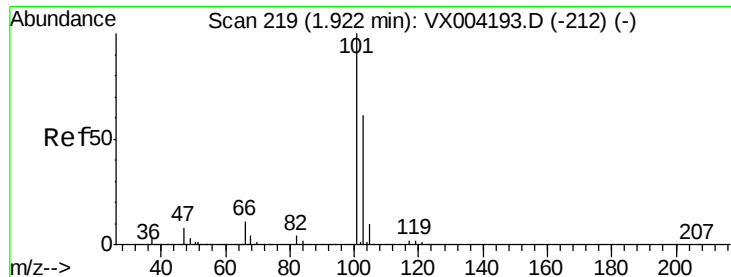
66 32.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

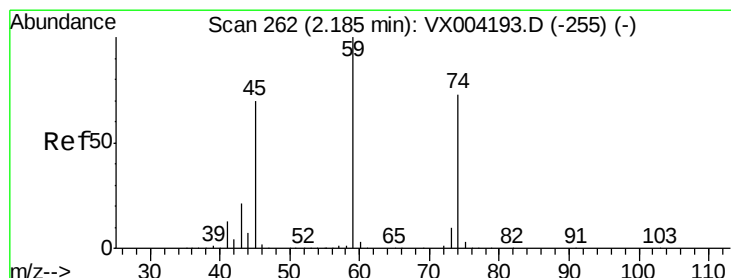
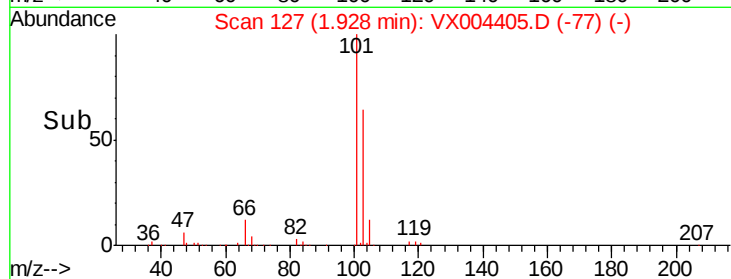
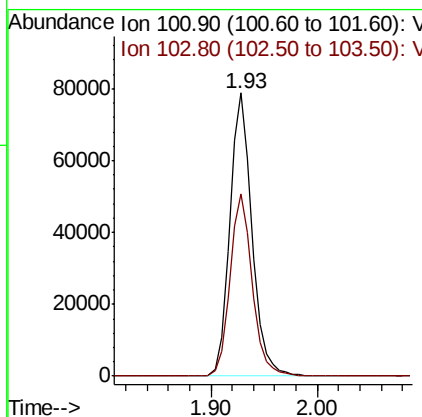
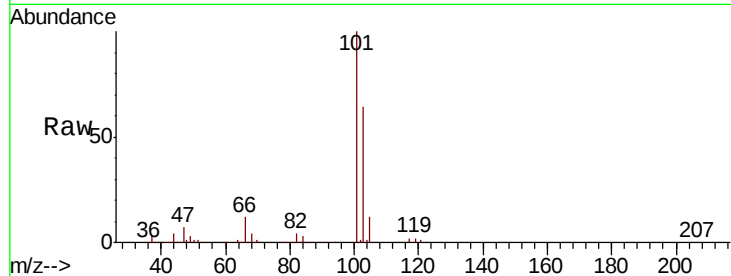
Trichlorofluoromethane
Concen: 18.50 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	48.9	73.3

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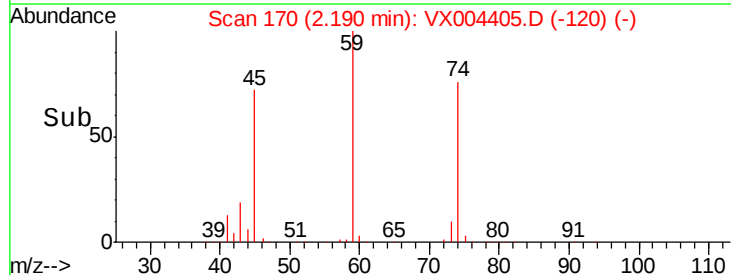
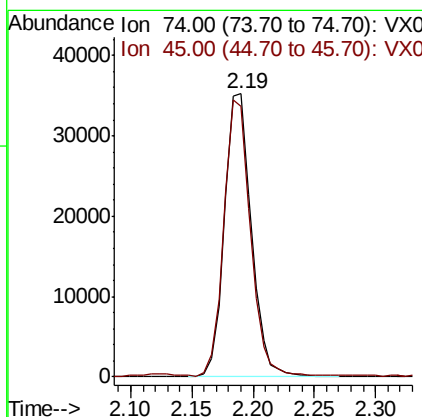
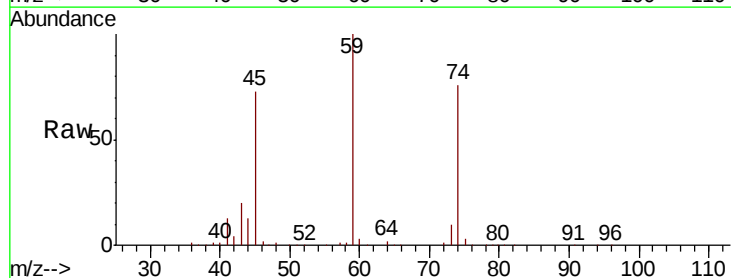
MMDadoda
9/10/2018 11:15:27 AM

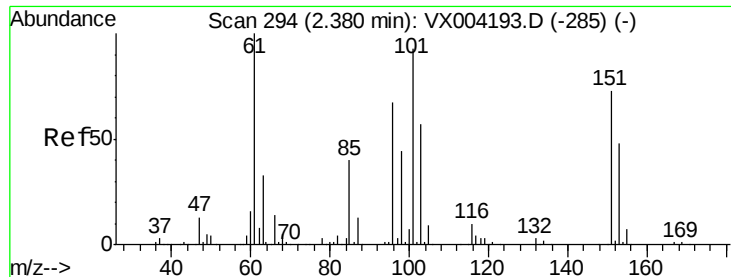


#8

Diethyl Ether
Concen: 20.16 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.96 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

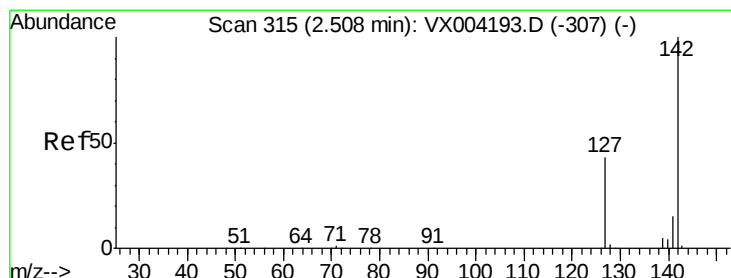
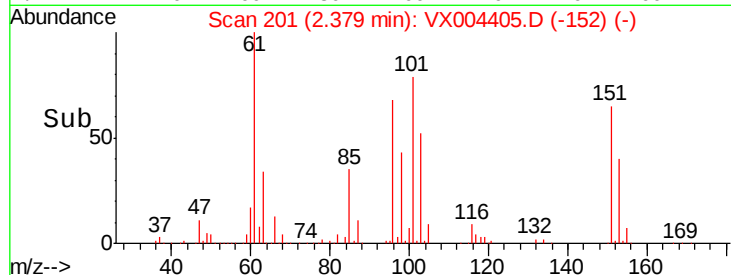
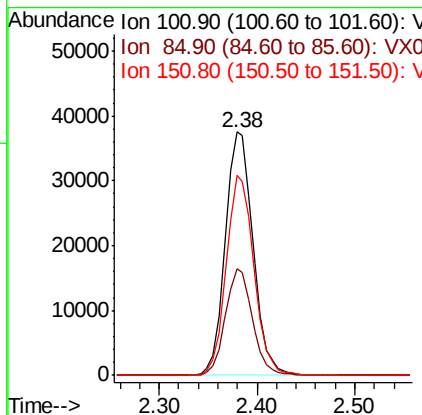
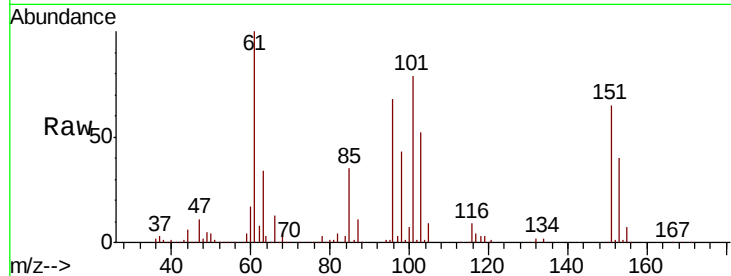
ClientSampleId :

VX0907MBS01

Tot Ion:	101	Resp:	73757
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.4
151	81.8	65.0	97.6

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#10

Methyl Iodide

Concen: 17.16 ug/l

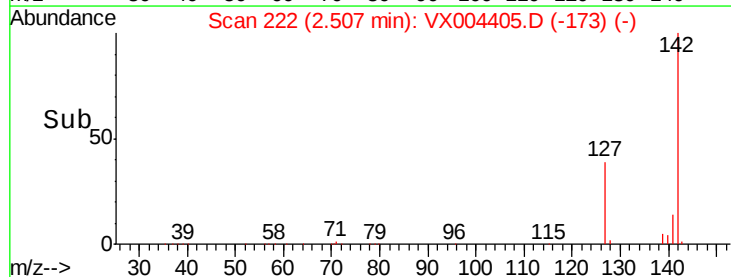
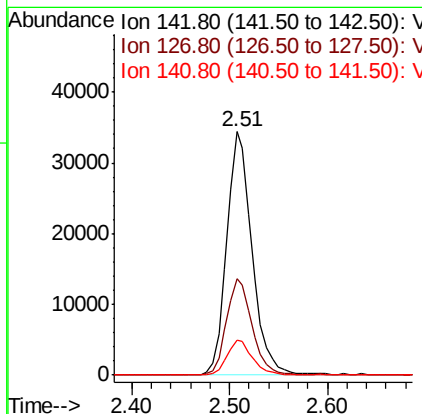
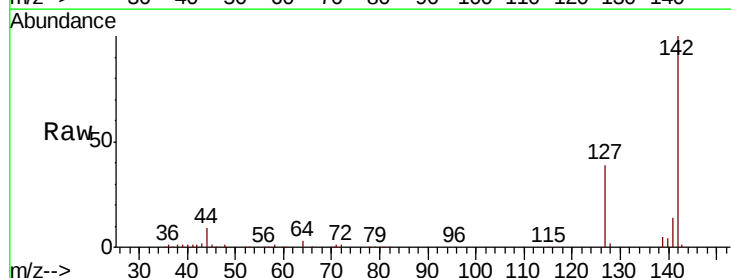
RT: 2.51 min Scan# 222

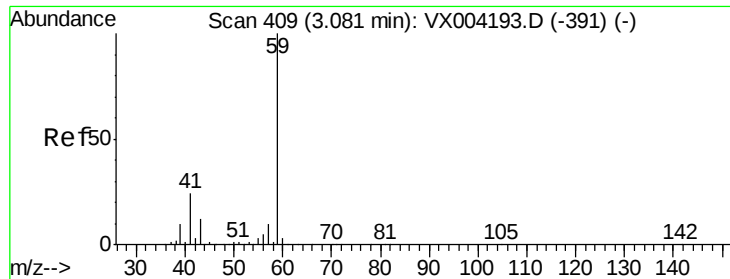
Delta R.T. 0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Tgt Ion:	142	Resp:	61856
Ion Ratio	Lower	Upper	
142	100		
127	40.0	33.8	50.6
141	14.2	11.4	17.0





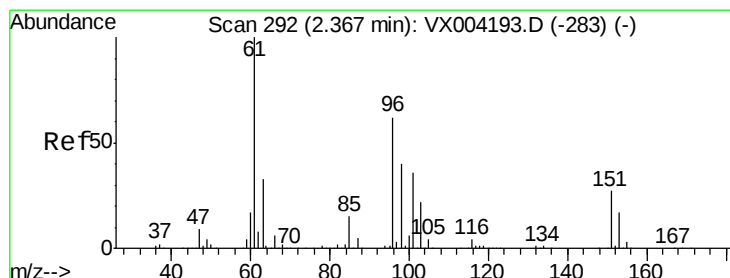
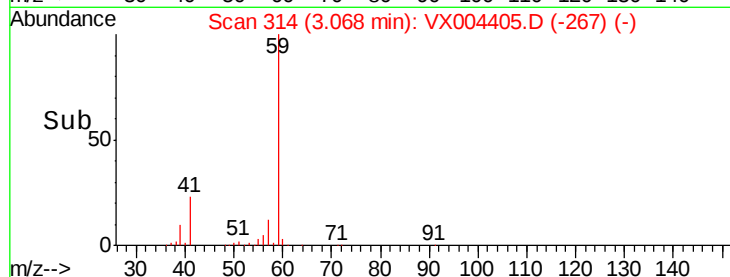
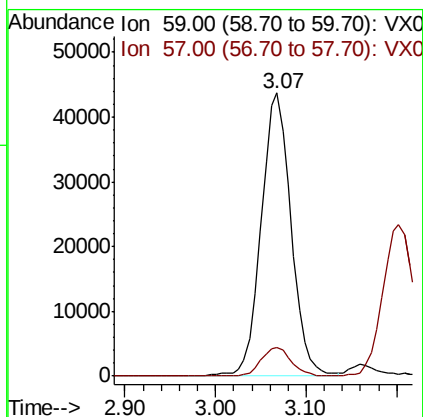
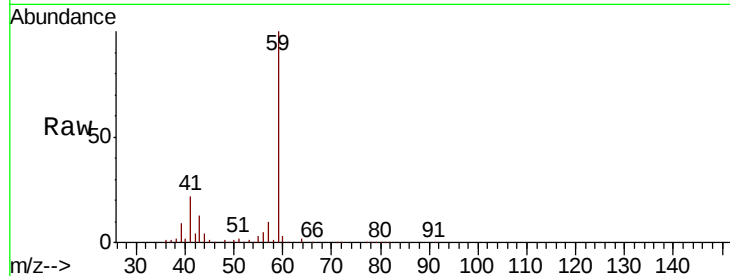
#11
Tert butyl alcohol
Concen: 103.73 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion: 59 Resp: 99666
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4

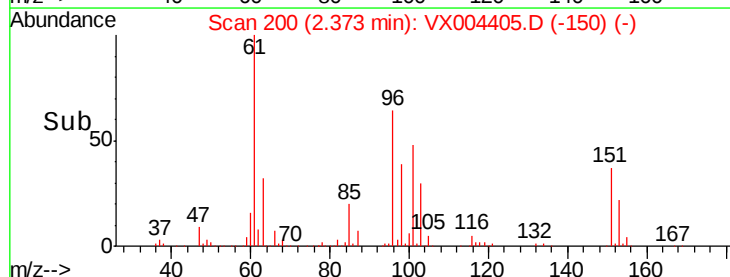
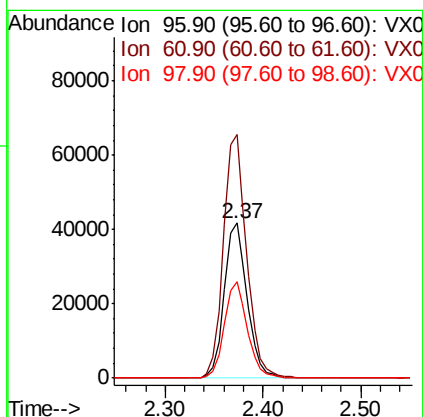
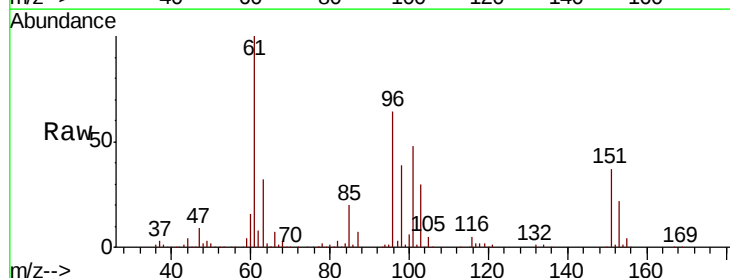
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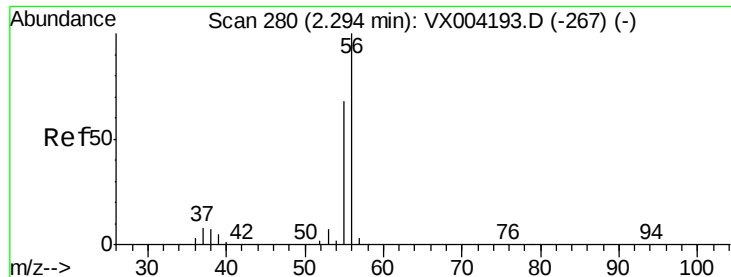
MMDadoda
9/10/2018 11:15:27 AM



#12
1,1-Dichloroethene
Concen: 18.54 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion: 96 Resp: 67939
Ion Ratio Lower Upper
96 100
61 157.0 128.8 193.2
98 61.9 52.2 78.2





#13

Acrolein

Concen: 75.20 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBS01

Tot Ion: 56 Resp: 17420

Ion Ratio Lower Upper

56 100

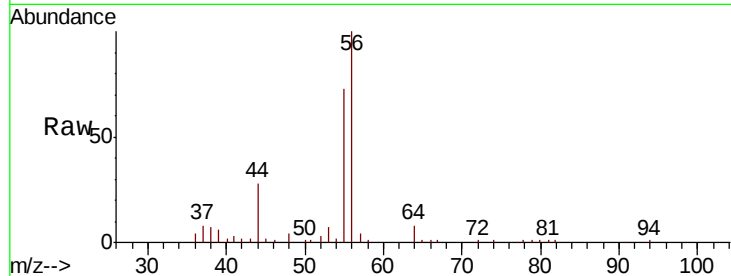
55 73.5 54.7 82.1

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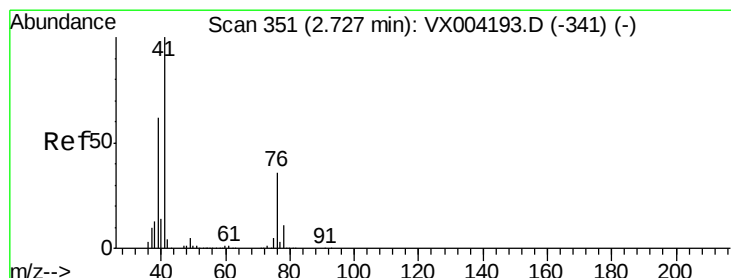
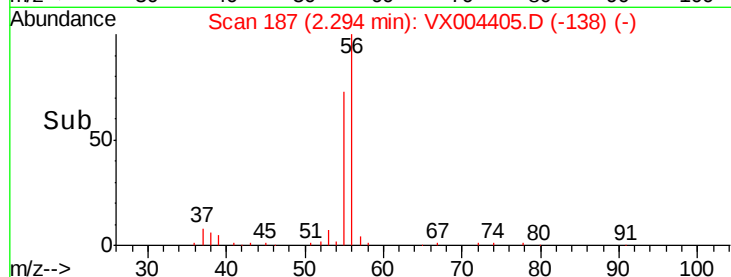
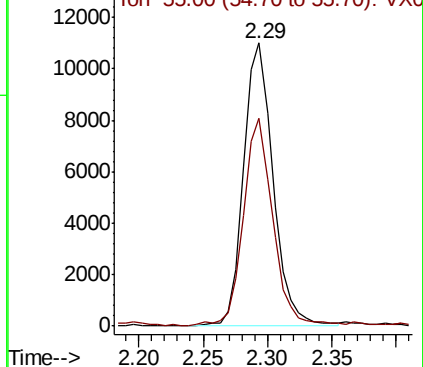
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.12 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

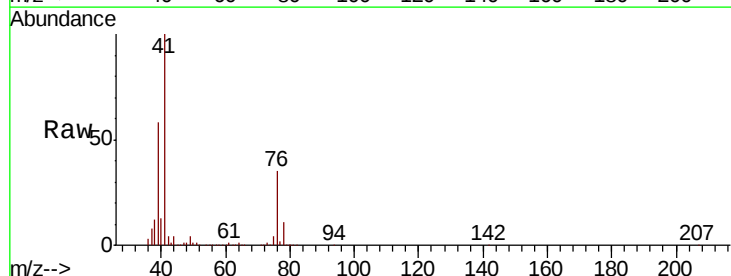
Tgt Ion: 41 Resp: 135404

Ion Ratio Lower Upper

41 100

39 56.5 48.9 73.3

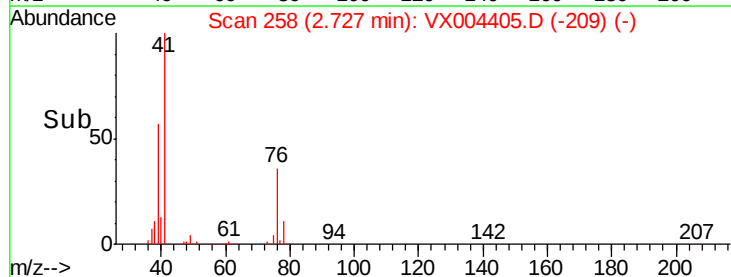
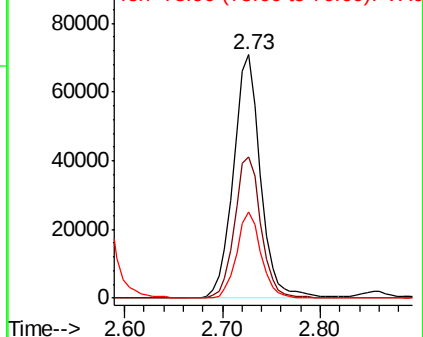
76 31.8 26.7 40.1

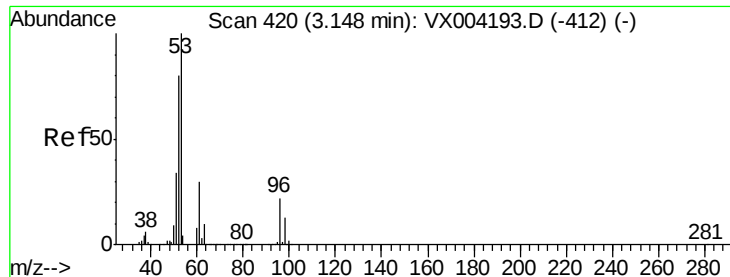


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 102.13 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

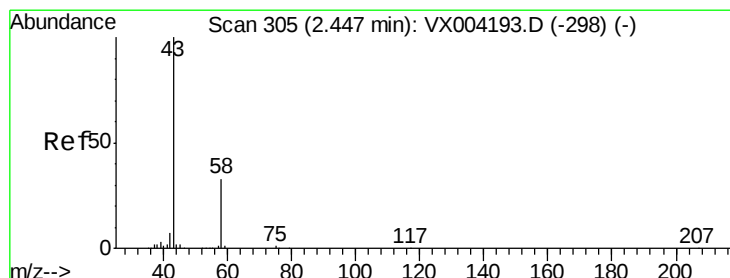
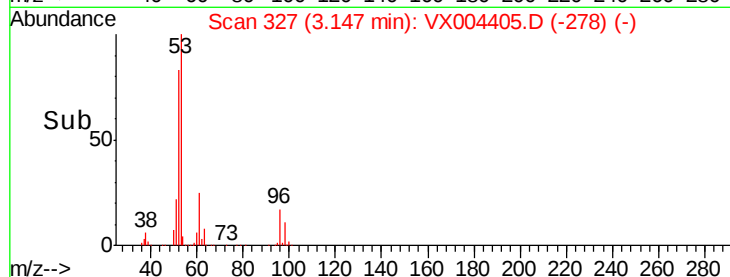
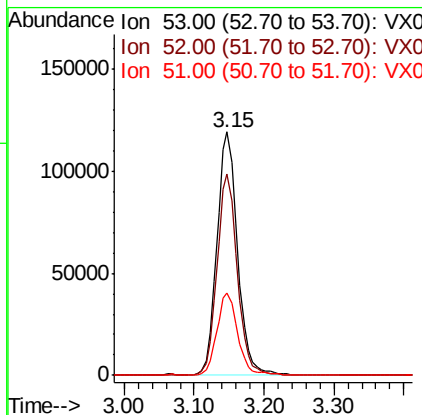
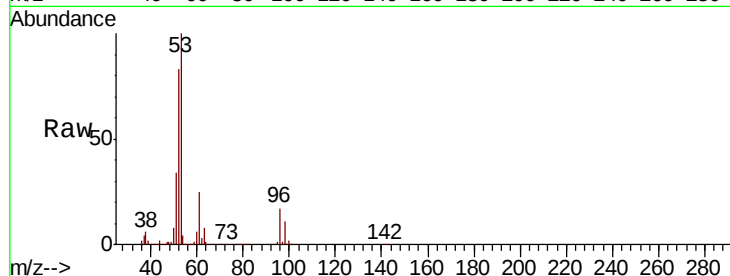
ClientSampleId :

VX0907MBS01

Tot Ion:	53	Resp:	243016
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.2	97.8
51	34.5	28.2	42.2

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#16

Acetone

Concen: 101.79 ug/l

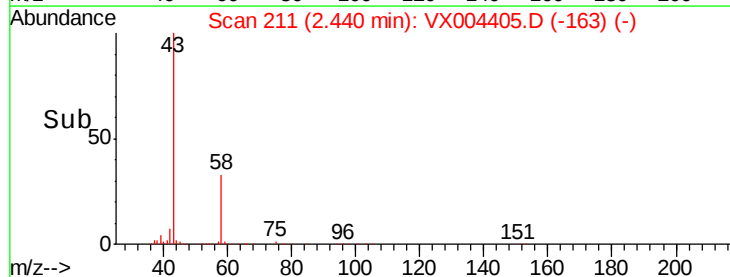
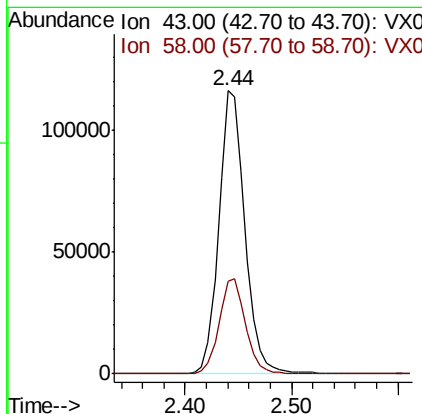
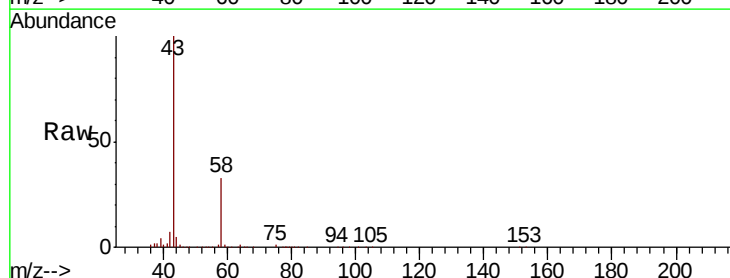
RT: 2.44 min Scan# 211

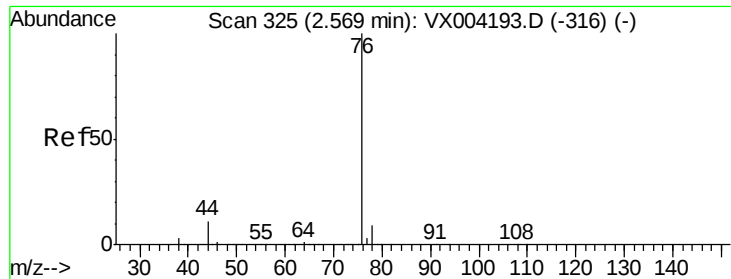
Delta R.T. -0.01 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Tgt Ion:	43	Resp:	196111
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.2	39.4





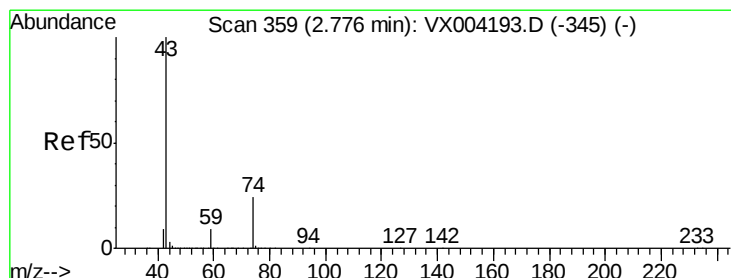
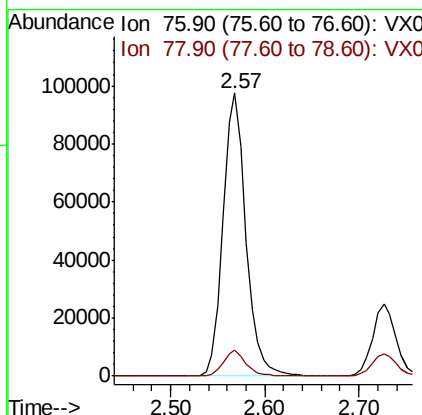
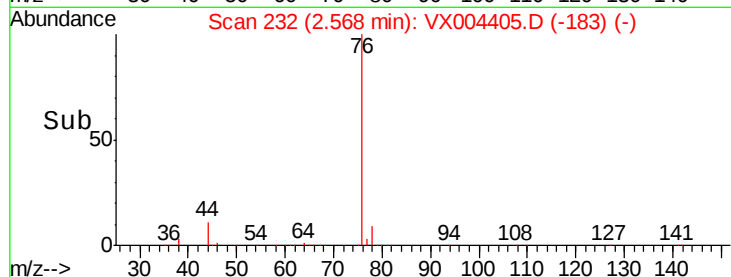
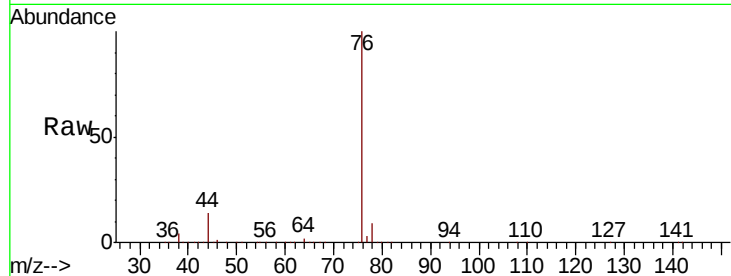
#17
Carbon Disulfide
Concen: 16.64 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

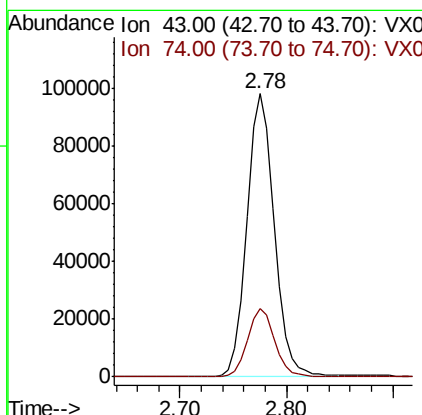
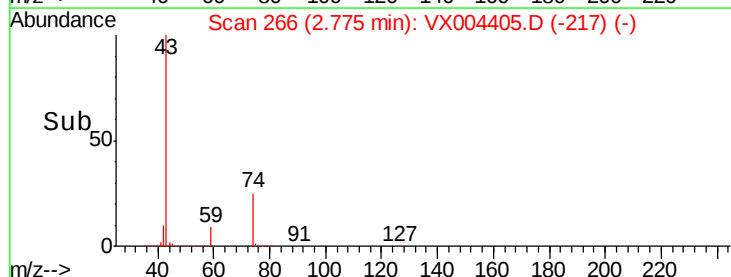
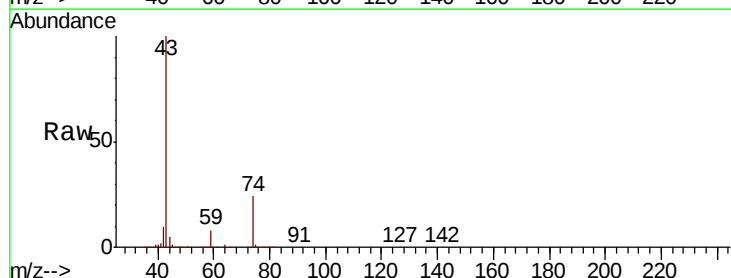
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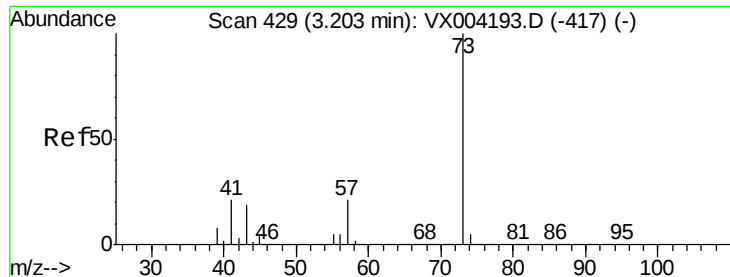
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#18
Methyl Acetate
Concen: 26.40 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.4	29.2





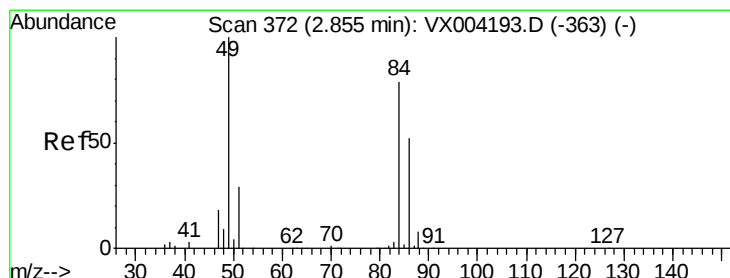
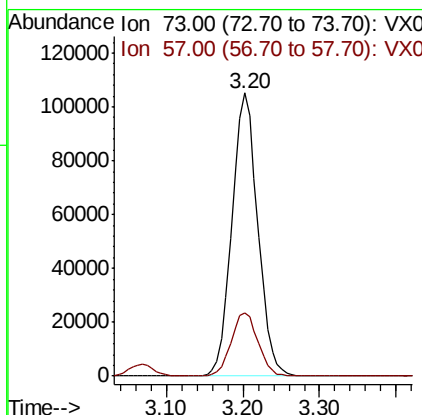
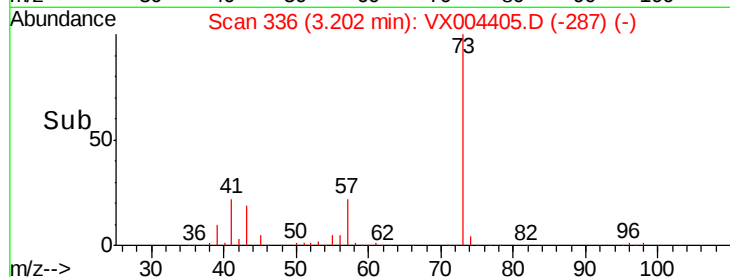
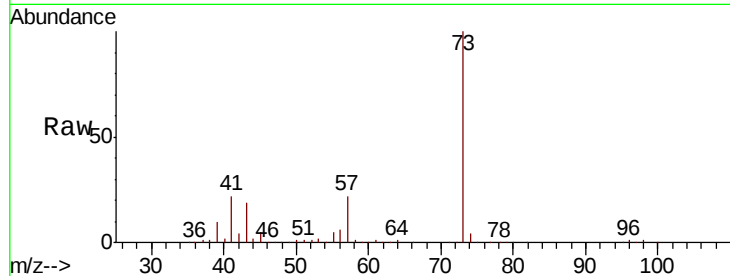
#19
Methyl tert-butyl Ether
Concen: 20.37 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion: 73 Resp: 245949
Ion Ratio Lower Upper
73 100
57 22.2 17.1 25.7

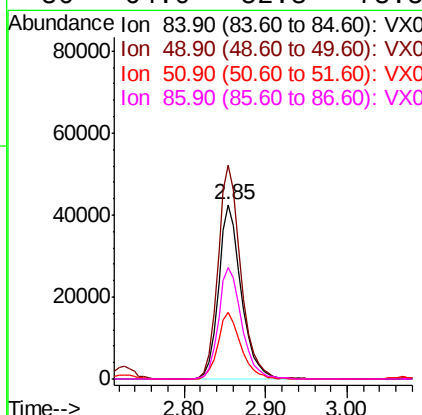
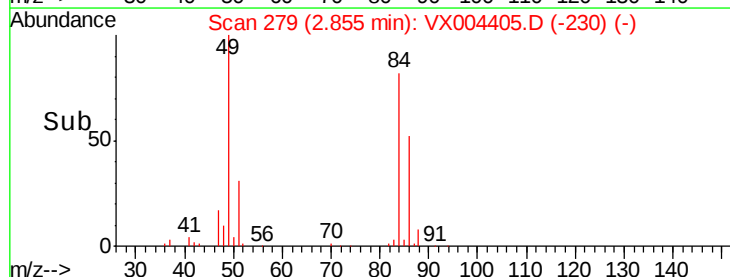
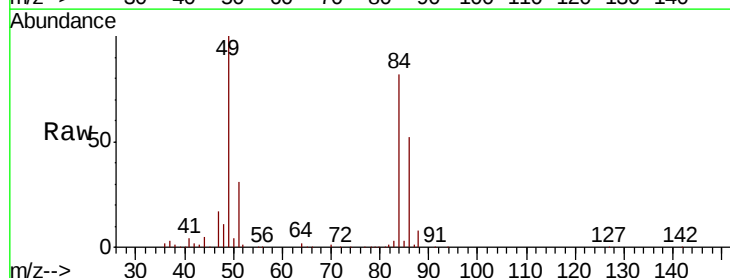
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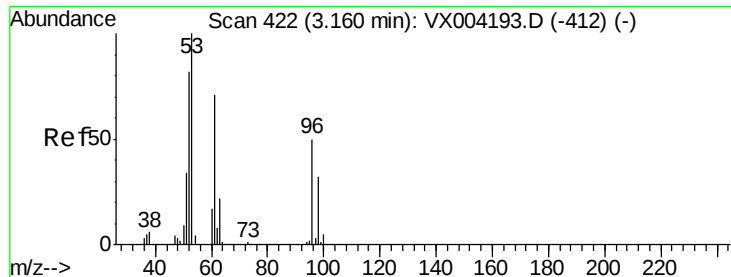
MMDadoda
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#20
Methylene Chloride
Concen: 18.95 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion: 84 Resp: 82225
Ion Ratio Lower Upper
84 100
49 122.5 101.2 151.8
51 38.1 29.5 44.3
86 64.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.18 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBS01

Tot Ion: 96 Resp: 73703

Ion Ratio Lower Upper

96 100

61 142.0 113.8 170.6

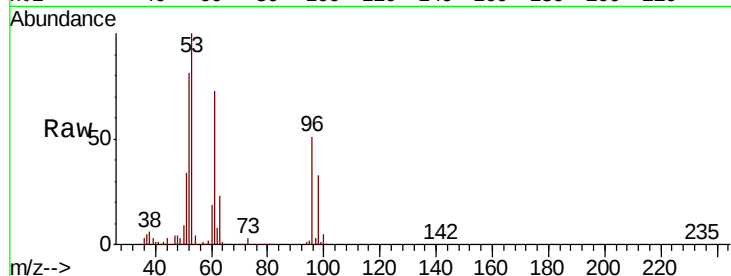
98 63.8 51.8 77.8

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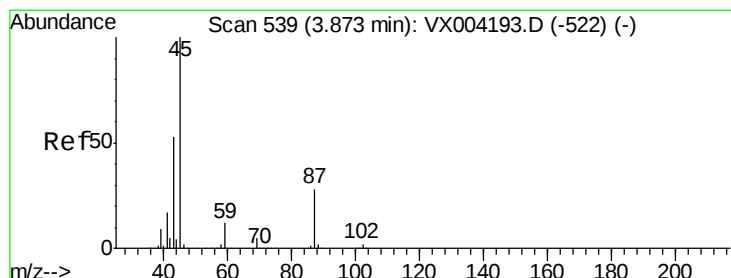
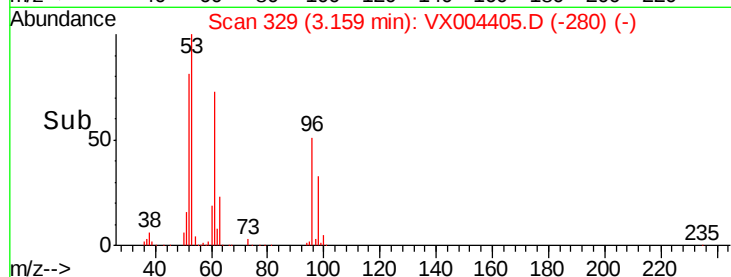
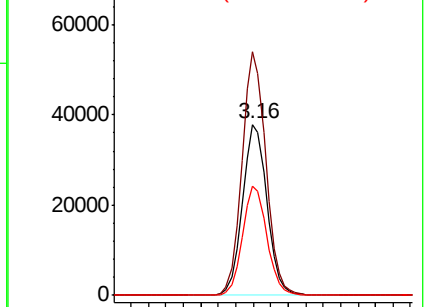
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.15 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Tgt Ion: 45 Resp: 253301

Ion Ratio Lower Upper

45 100

43 61.1 42.8 64.2

87 28.7 22.6 34.0

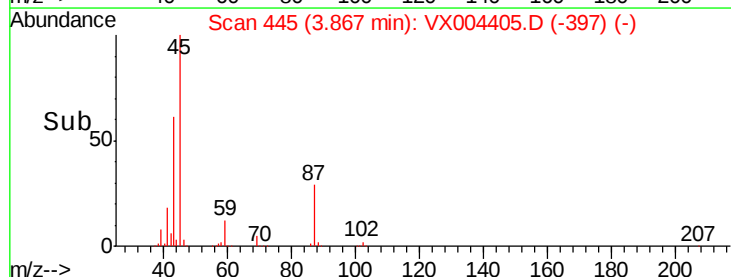
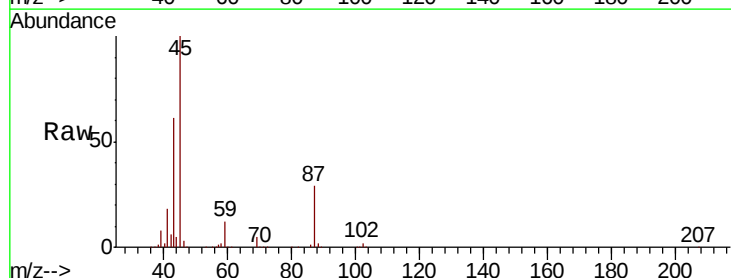
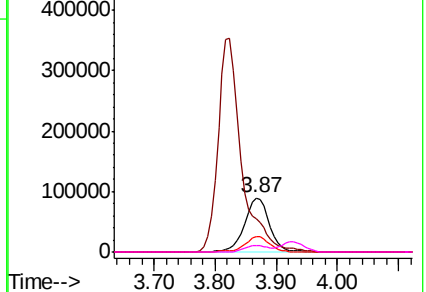
59 12.4 9.6 14.4

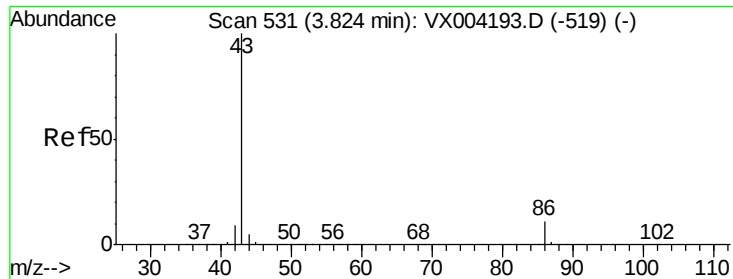
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 93.04 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBS01

Tot Ion: 43 Resp: 947707

Ion Ratio Lower Upper

43 100

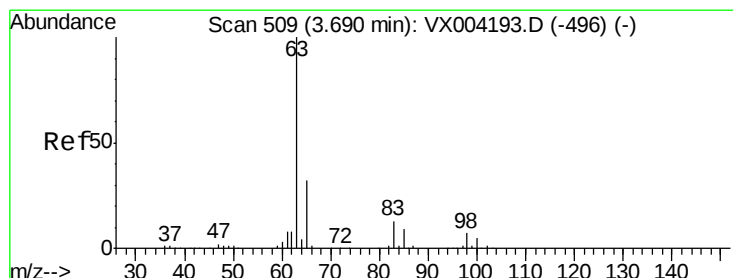
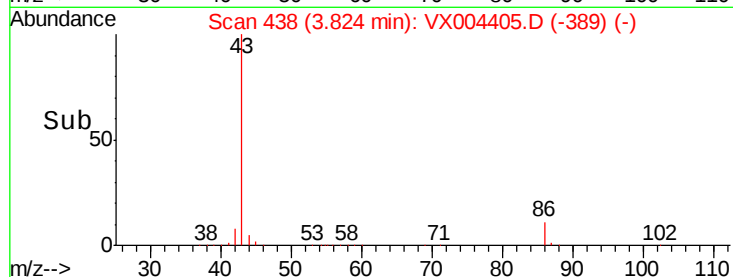
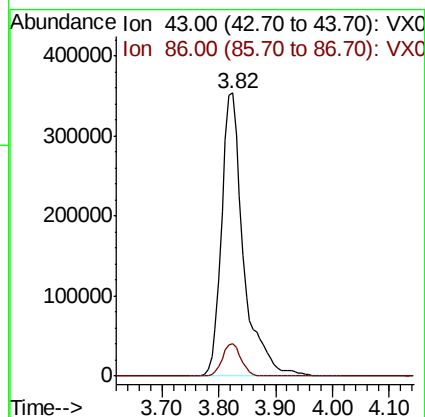
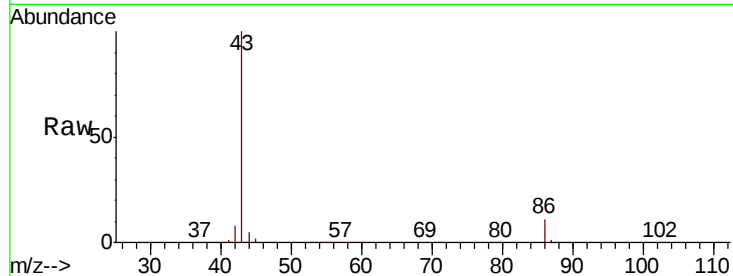
86 11.4 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 19.95 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

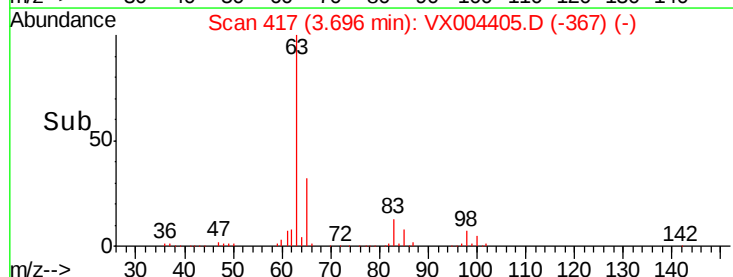
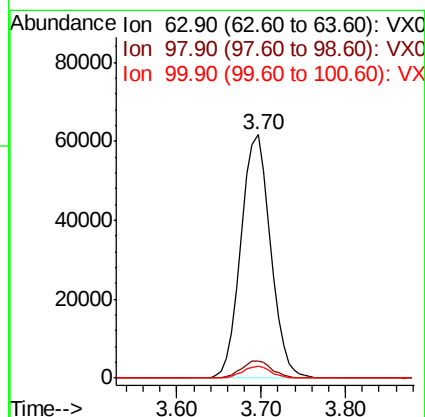
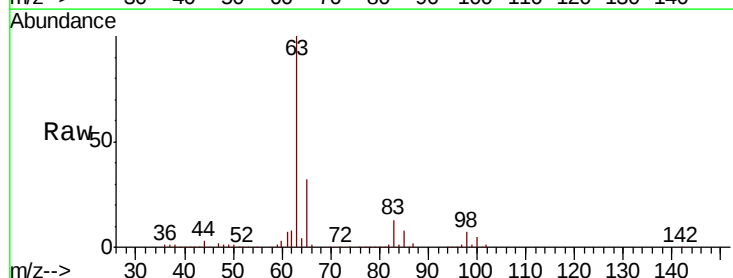
Tgt Ion: 63 Resp: 146151

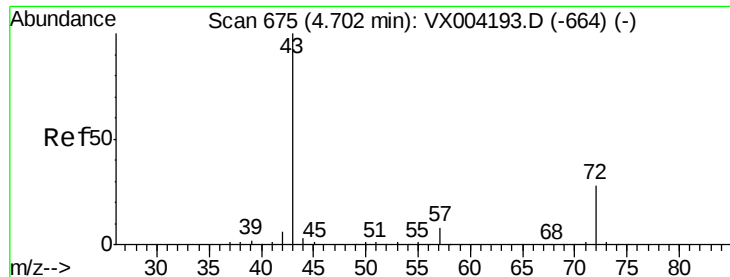
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 100.59 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBS01

Tot Ion: 43 Resp: 308949

Ion Ratio Lower Upper

43 100

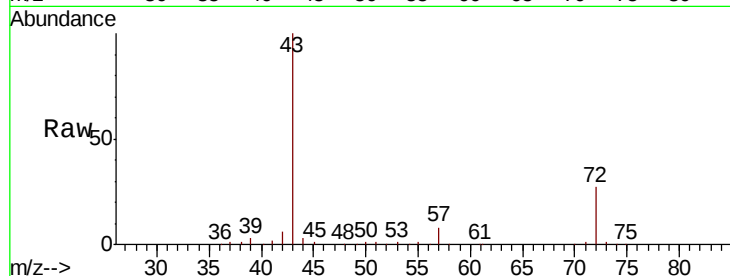
72 26.5 22.0 33.0

Manual Integrations

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MMDadoda

9/10/2018 11:15:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

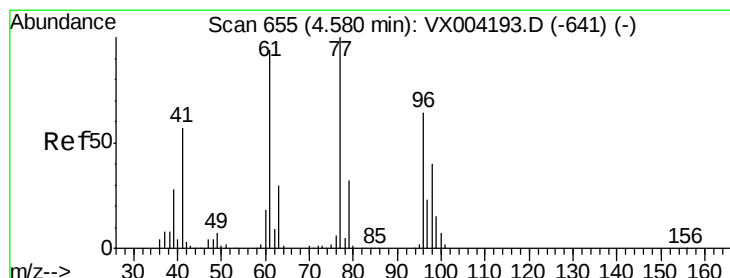
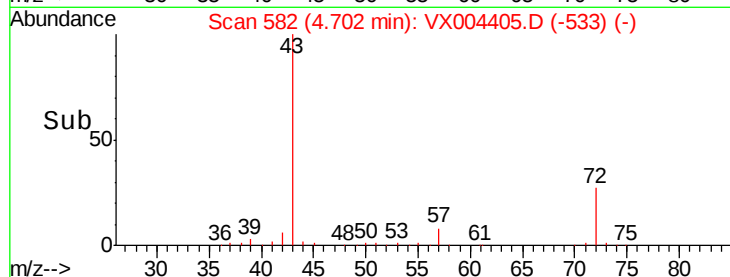
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.03 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004405.D

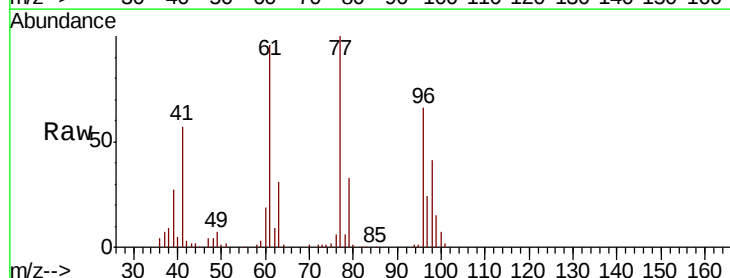
Acq: 07 Sep 2018 14:11

Tgt Ion: 77 Resp: 109332

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

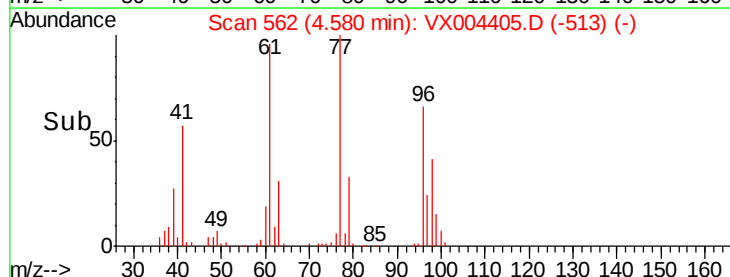
20000

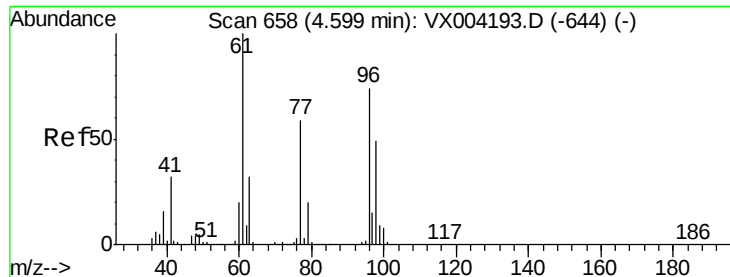
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

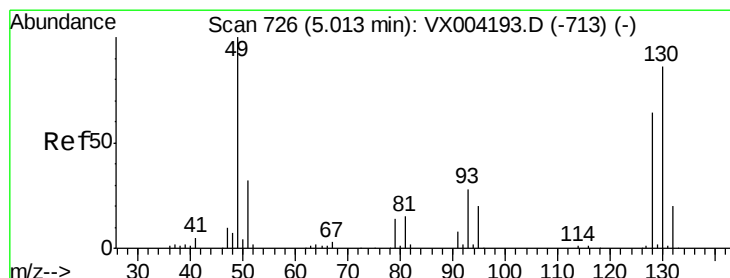
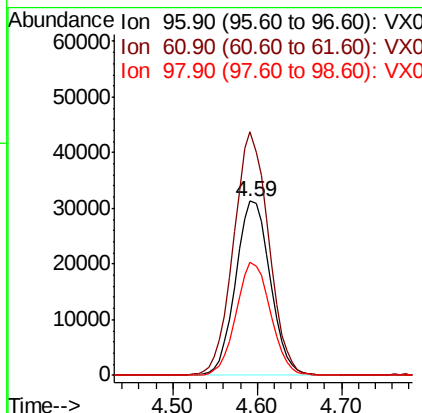
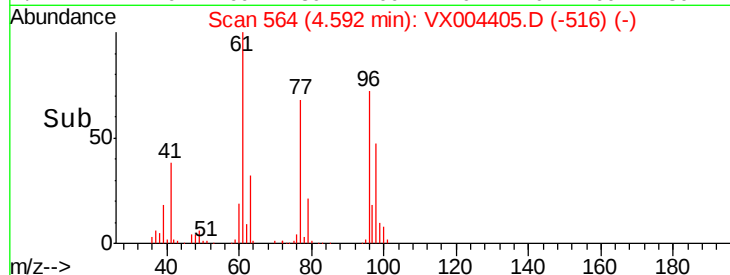
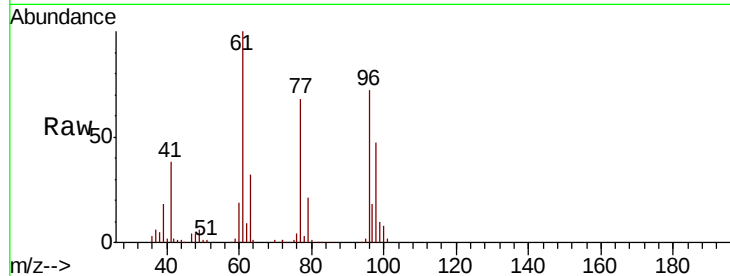
cis-1,2-Dichloroethene
Concen: 18.96 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.8	0.0	282.6
98	64.7	0.0	130.2

Manual Integrations
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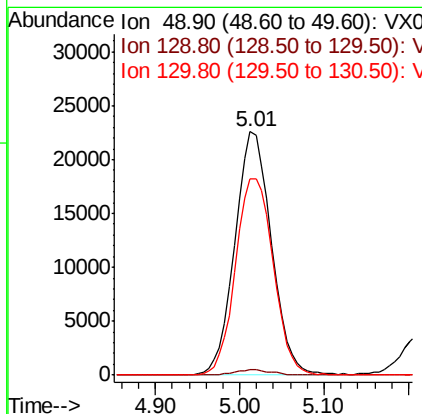
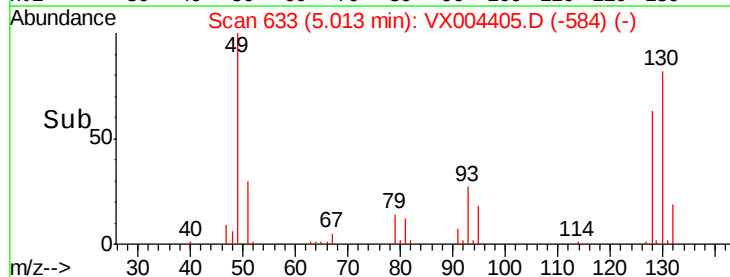
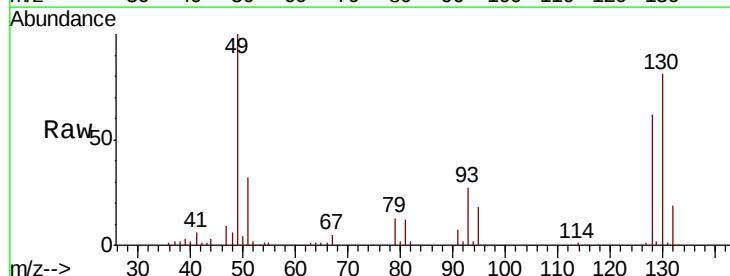
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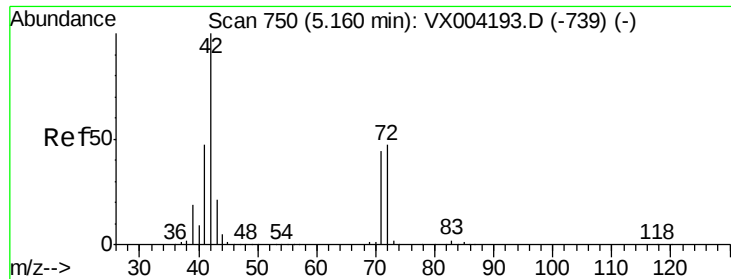


#28

Bromochloromethane
Concen: 20.47 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	83.5	67.5	101.3





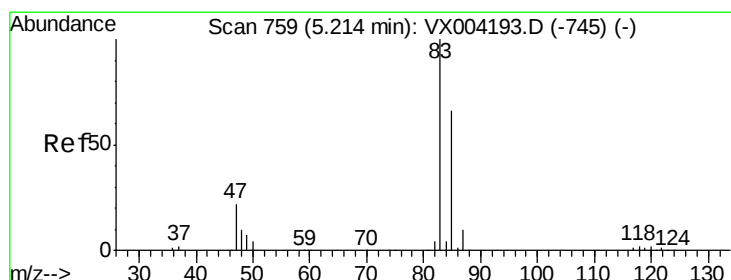
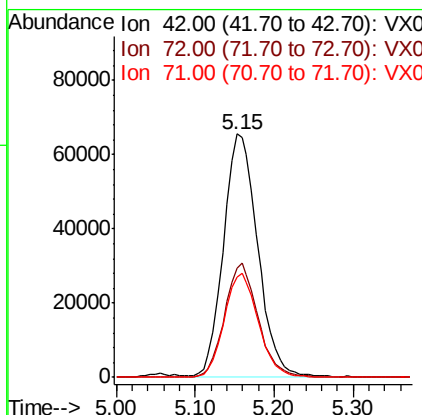
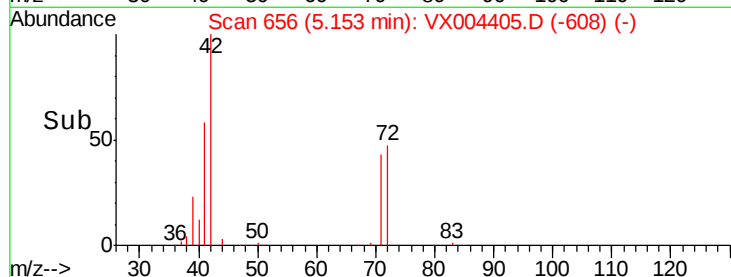
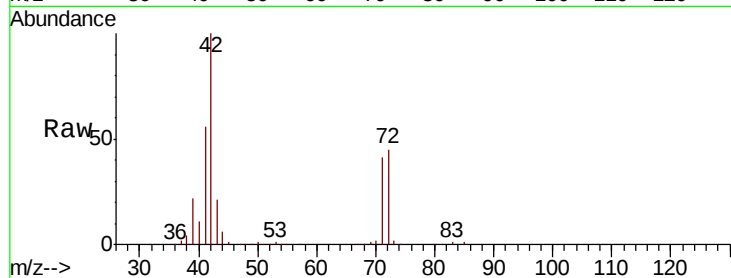
#29
Tetrahydrofuran
Concen: 101.43 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.4	56.0
71	43.0	34.5	51.7

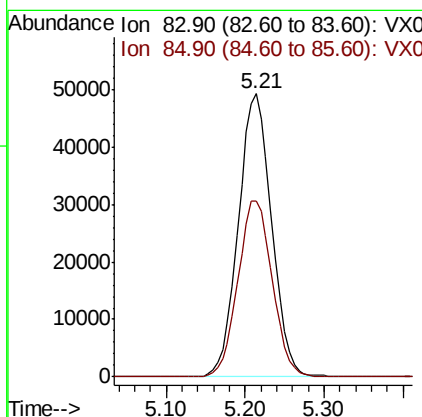
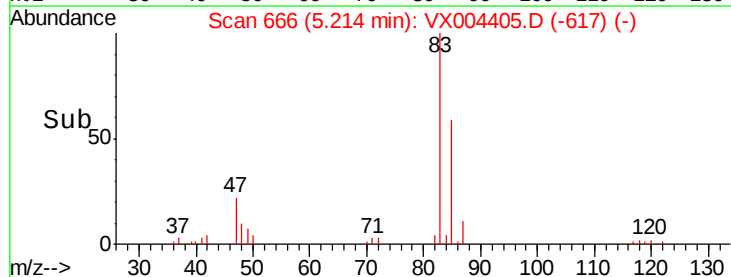
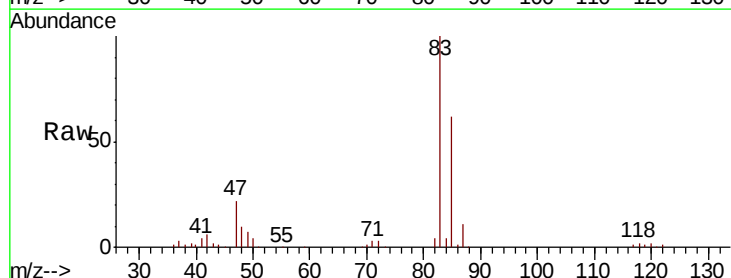
Manual Integrations
APPROVED

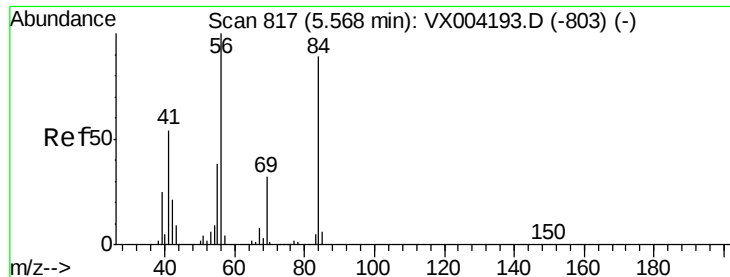
MMDadoda
9/10/2018 11:15:27 AM



#30
Chloroform
Concen: 19.66 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.6	79.0





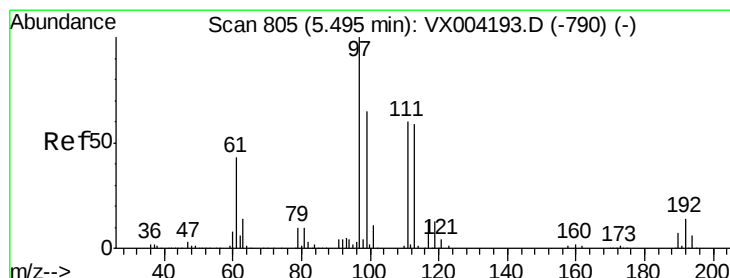
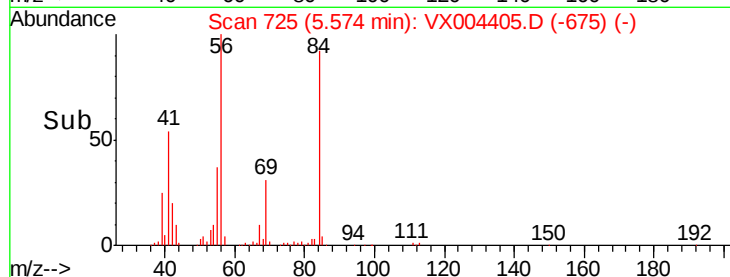
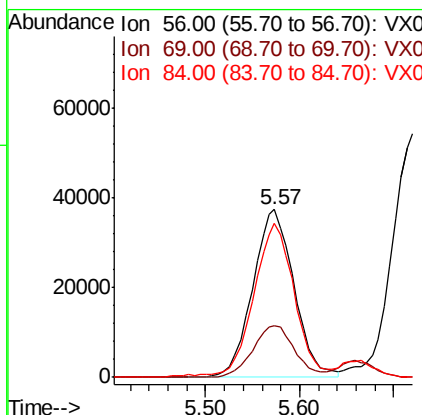
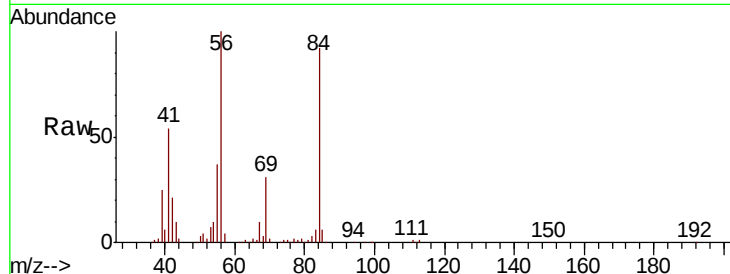
#31
Cyclohexane
Concen: 18.12 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.01 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	25.4	38.2
84	90.1	71.4	107.2

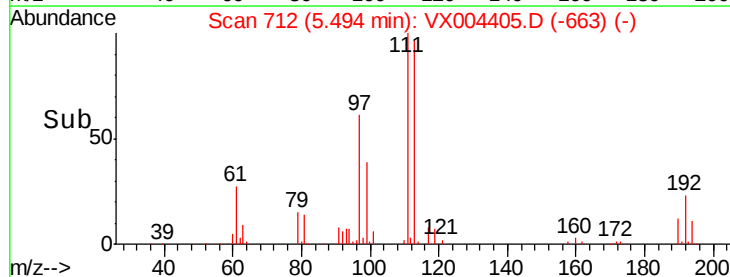
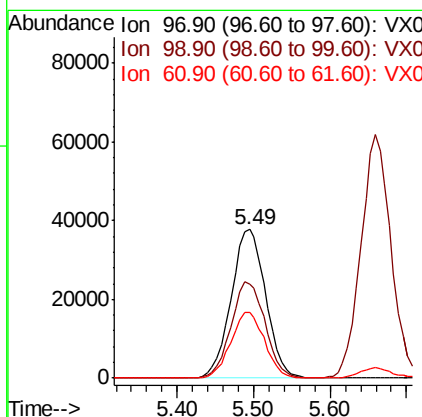
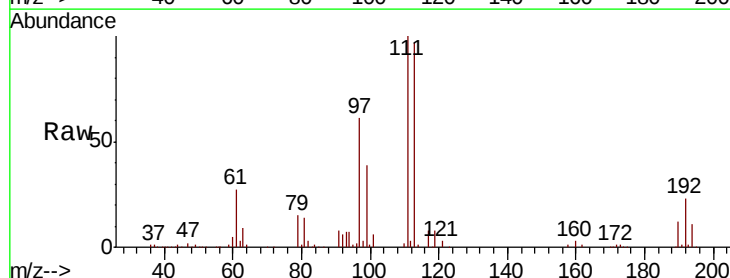
Manual Integrations
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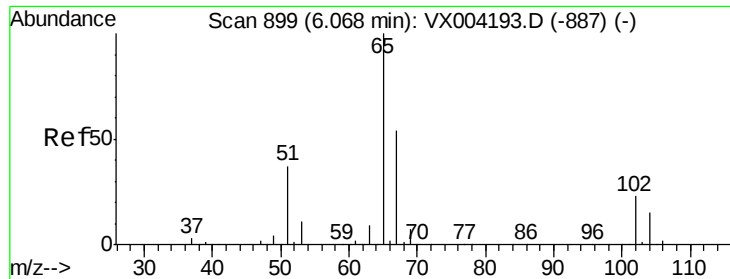
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#32
1,1,1-Trichloroethane
Concen: 19.22 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	43.6	34.9	52.3





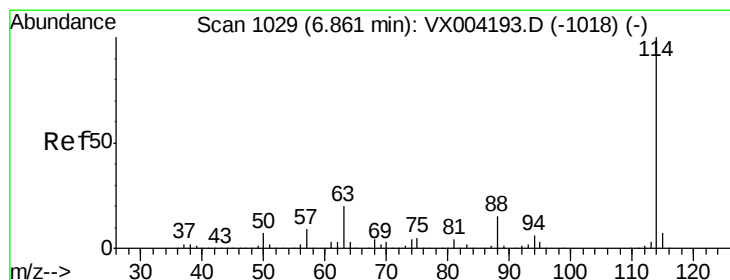
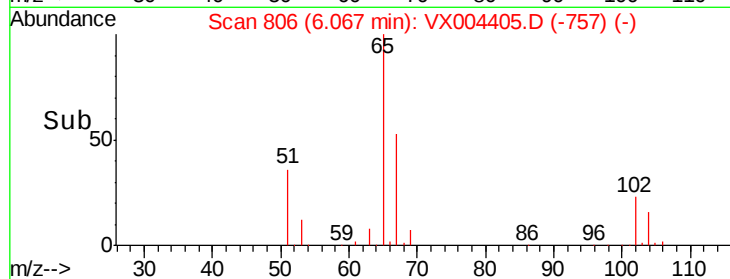
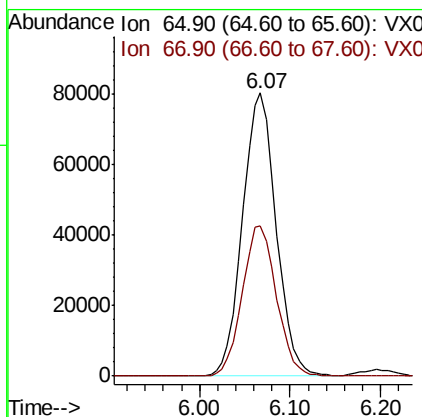
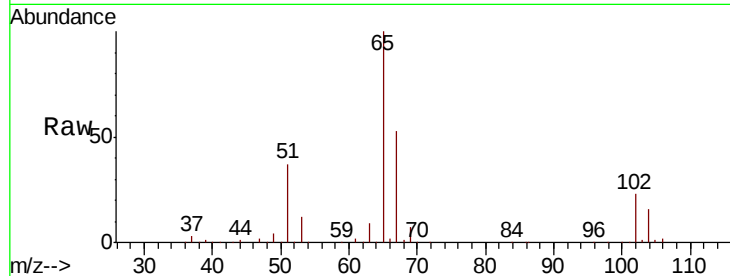
#33
 1,2-Dichloroethane-d4
 Concen: 45.73 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004405.D
 Acq: 07 Sep 2018 14:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	206140		
67	53.9	0.0	106.8	

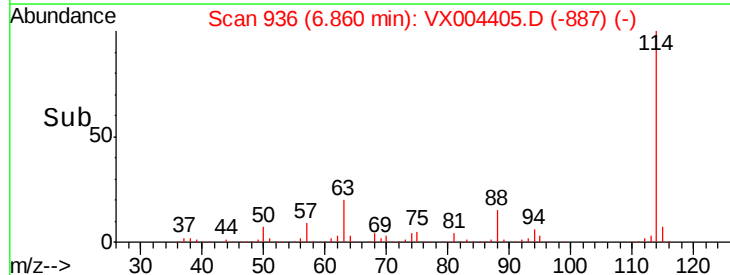
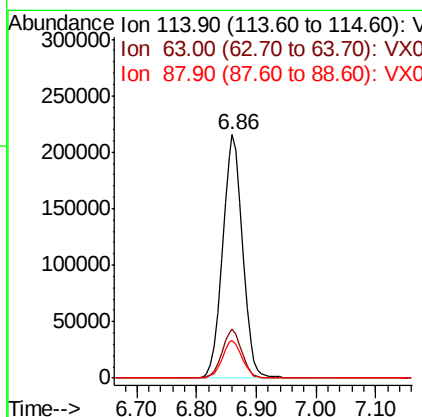
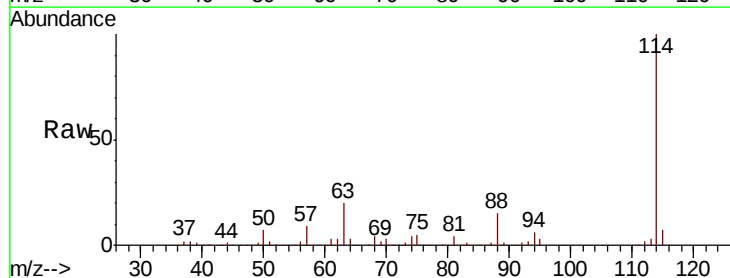
Manual Integrations
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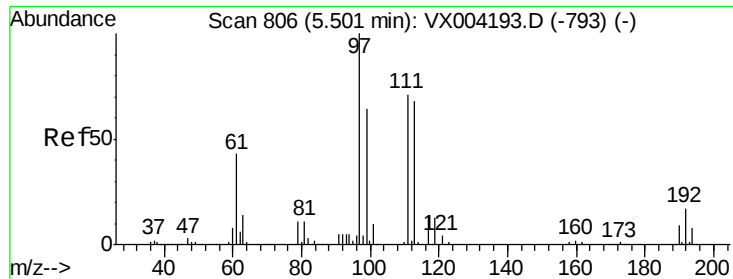
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004405.D
 Acq: 07 Sep 2018 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	501072		
63	20.0	0.0	39.0	
88	15.4	0.0	30.4	





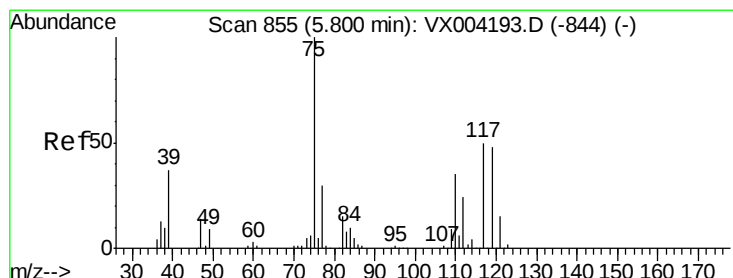
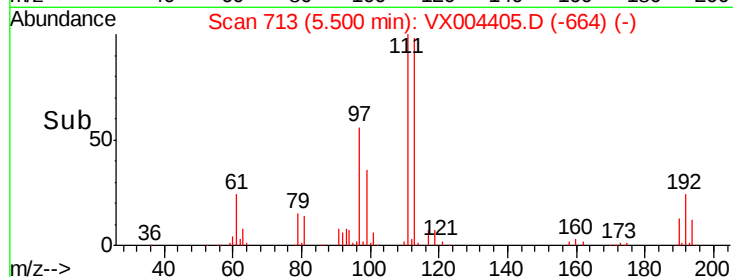
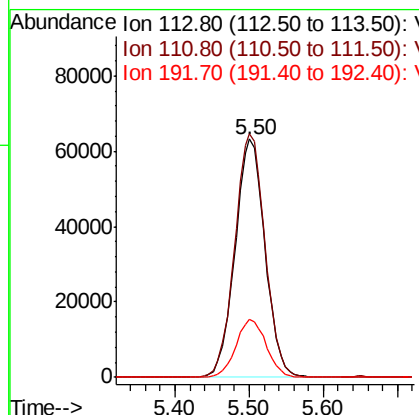
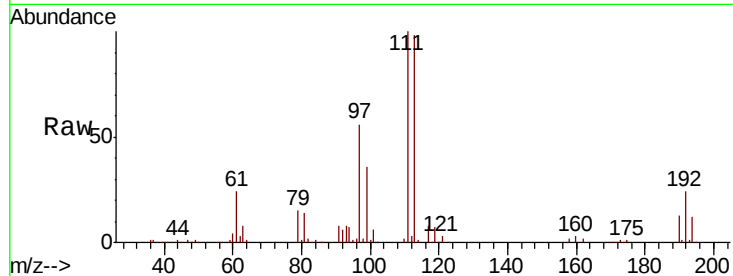
#35
 Dibromofluoromethane
 Concen: 47.80 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004405.D
 Acq: 07 Sep 2018 14:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	178190		
111	103.1	82.4	123.6	
192	24.5	19.4	29.2	

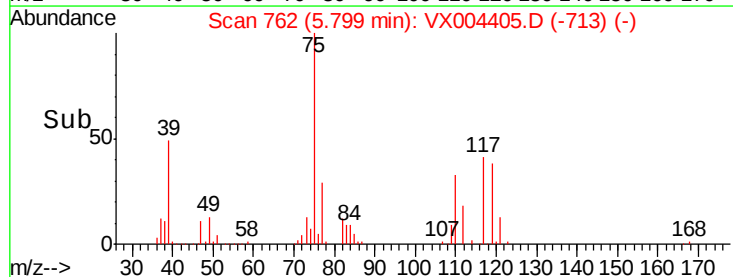
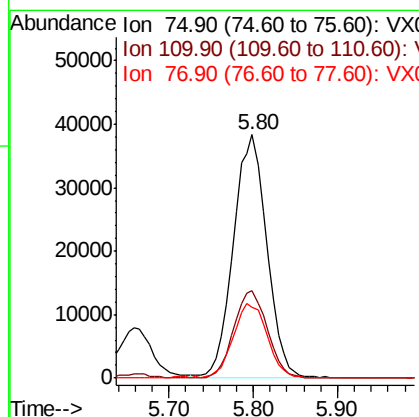
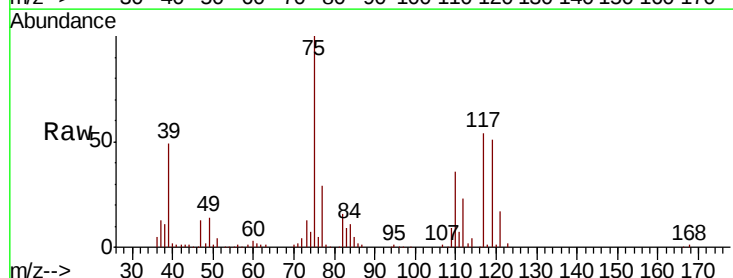
Manual Integrations
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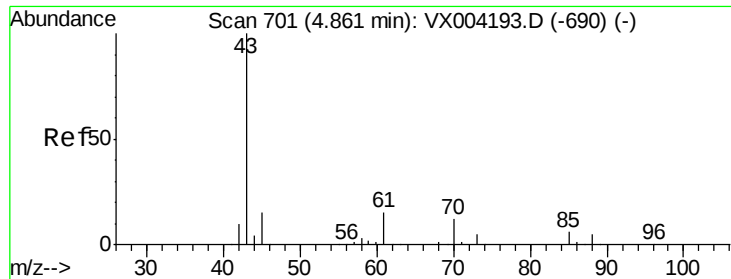
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#36
 1,1-Dichloropropene
 Concen: 18.14 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX004405.D
 Acq: 07 Sep 2018 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	102205		
110	36.4	18.0	54.0	
77	31.2	24.6	36.8	





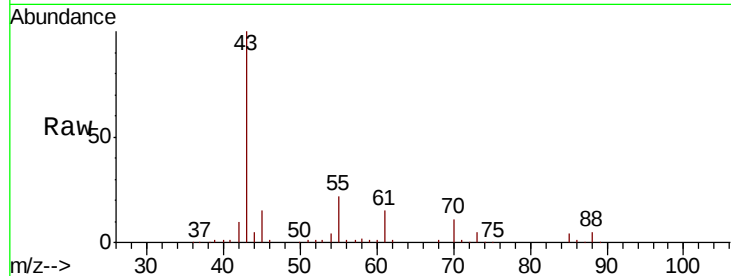
#37
Ethyl Acetate
Concen: 19.74 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	11.6	9.0	13.6

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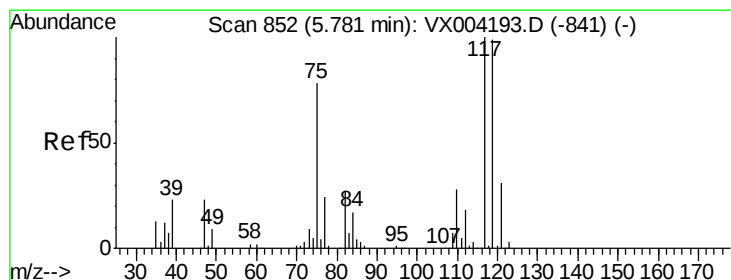
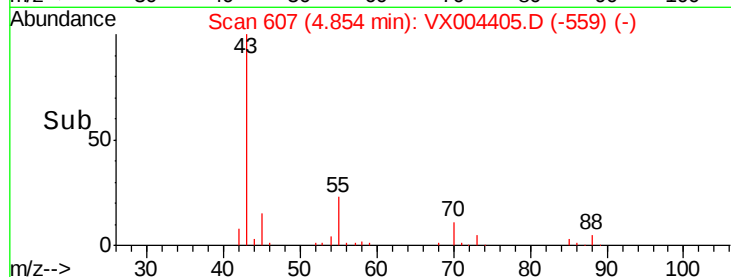
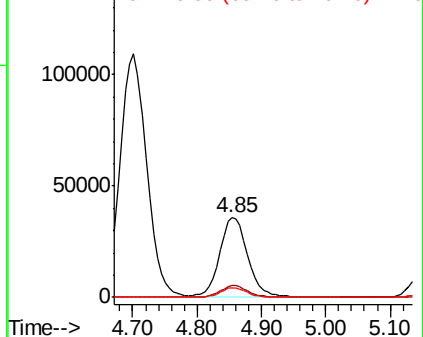


Abundance

Ion 43.00 (42.70 to 43.70): VX0

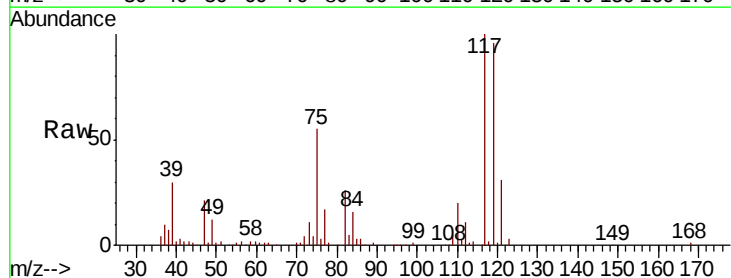
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 18.68 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.8	118.2
121	30.7	24.9	37.3

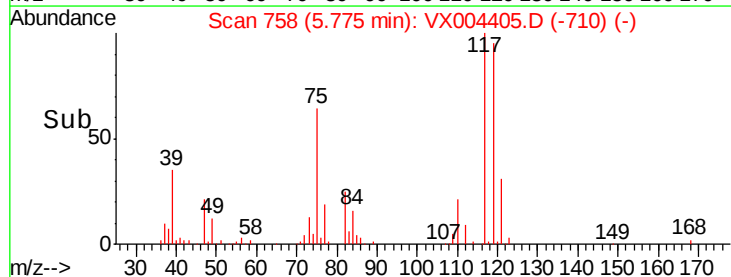
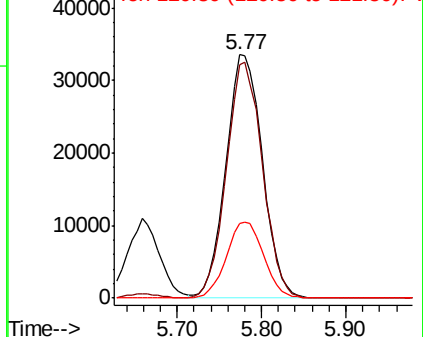


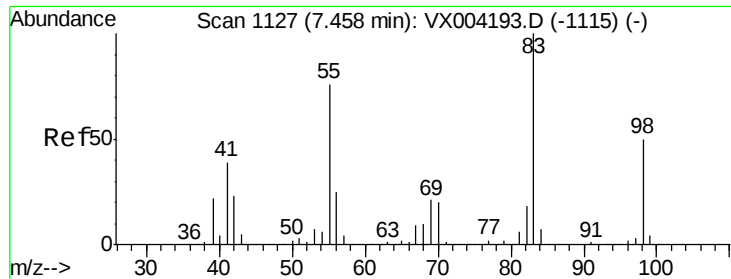
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





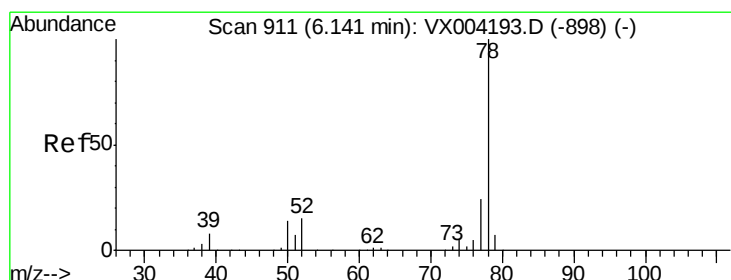
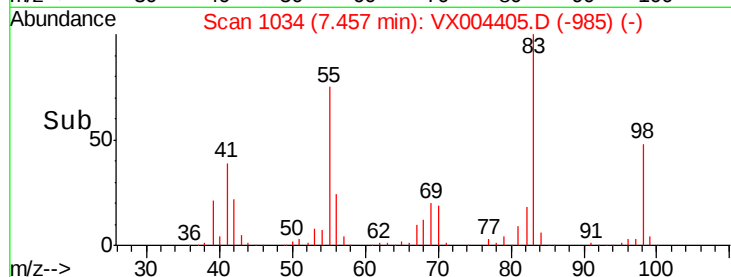
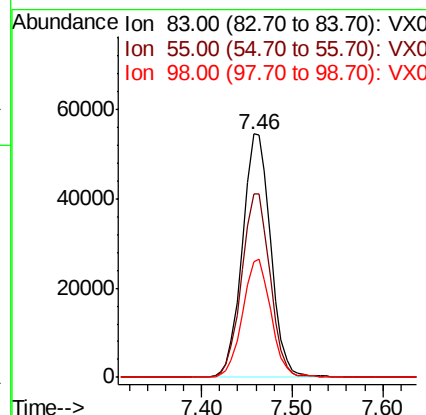
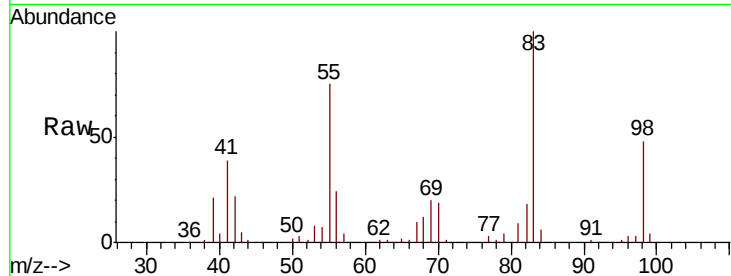
#39
Methylvlcyclohexane
Concen: 18.35 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.3	61.0	91.4	
98	47.7	39.6	59.4	

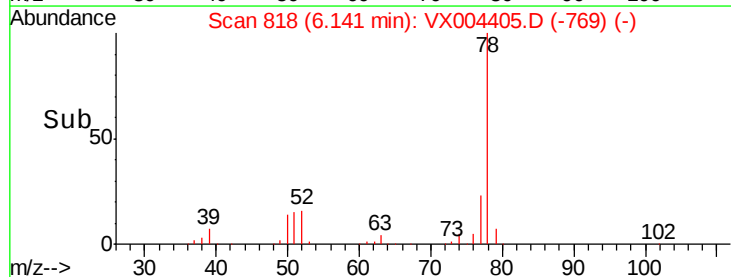
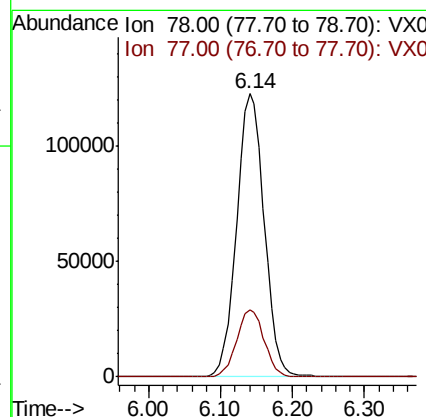
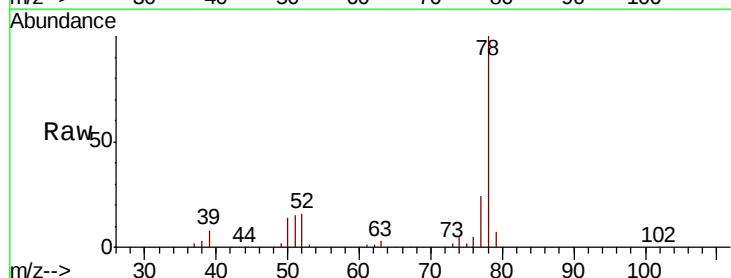
Manual Integrations
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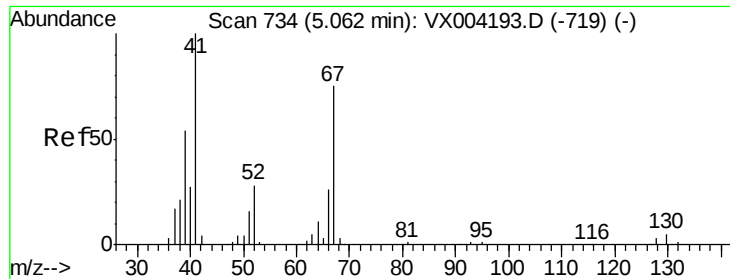
MMDadoda
9/10/2018 11:15:27 AM



#40
Benzene
Concen: 19.36 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	19.0	28.4	





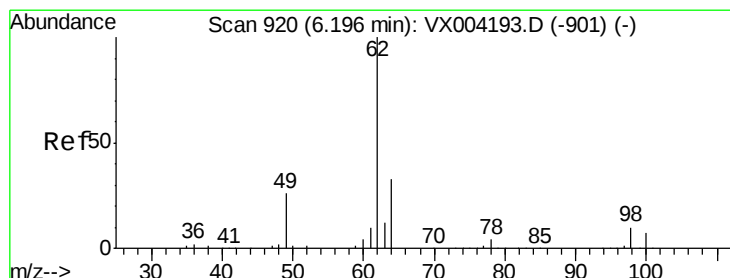
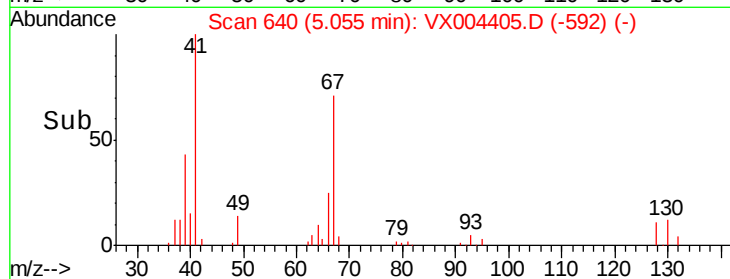
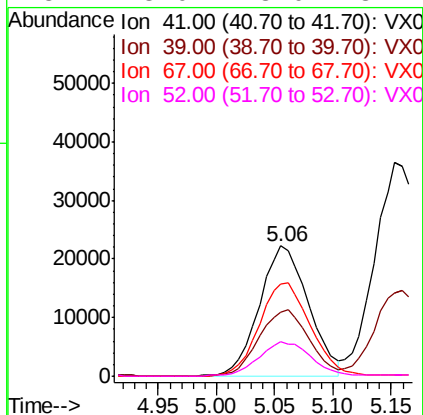
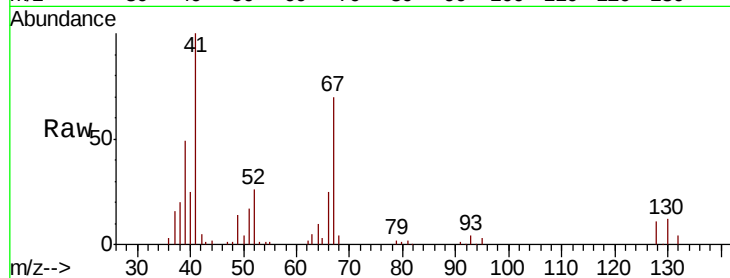
#41
Methacrylonitrile
Concen: 20.22 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion:	41	Resp:	64934
Ion	Ratio	Lower	Upper
41	100		
39	52.2	42.4	63.6
67	75.0	59.2	88.8
52	28.0	23.0	34.4

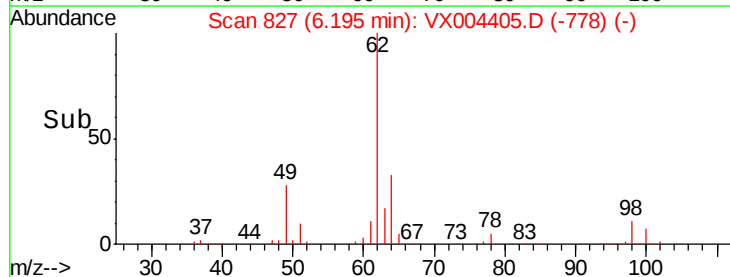
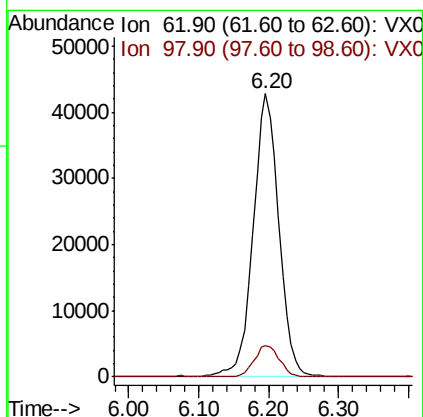
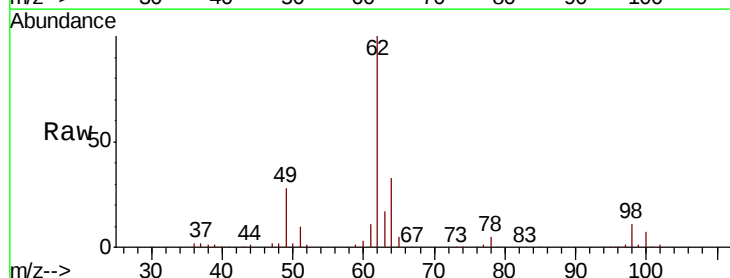
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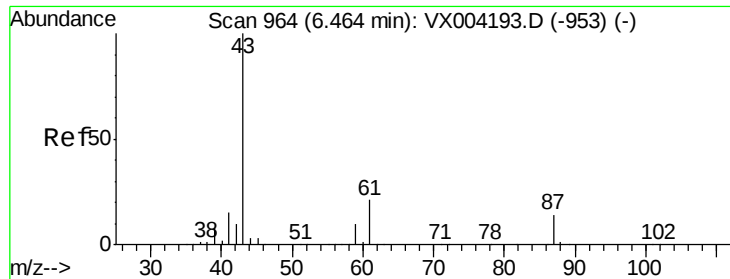
MMDadoda
9/10/2018 11:15:27 AM



#42
1,2-Dichloroethane
Concen: 19.06 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion:	62	Resp:	109431
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.6





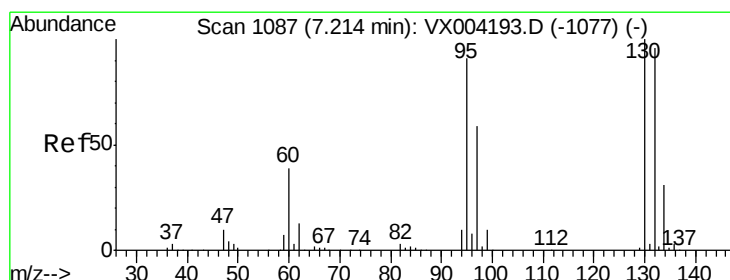
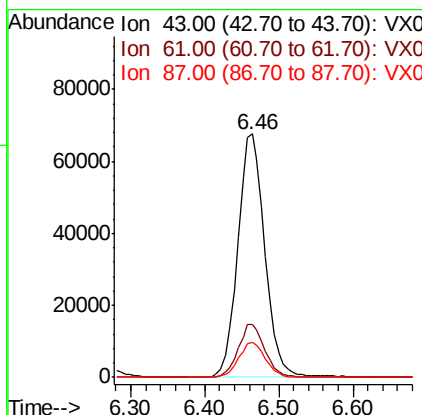
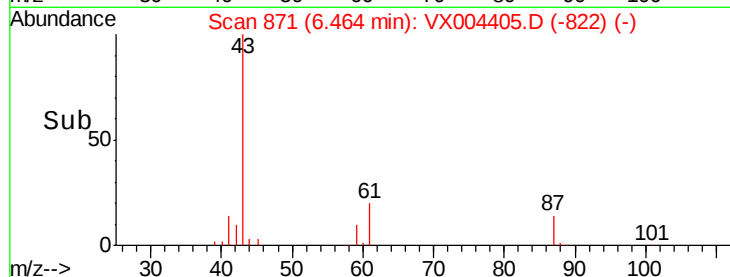
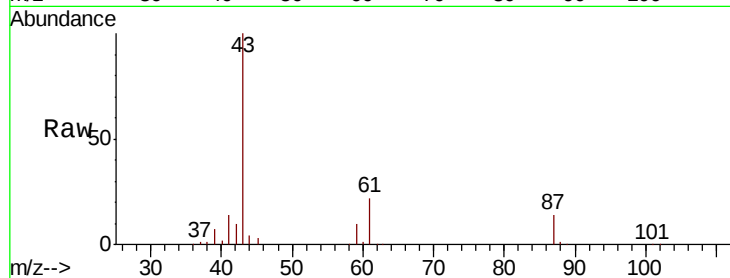
#43
Isopropyl Acetate
Concen: 20.01 ug/l
RT: 6.46 min Scan# 871
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.0	25.4
87	14.3	11.4	17.2

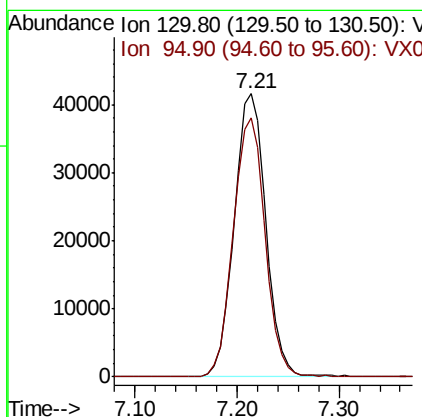
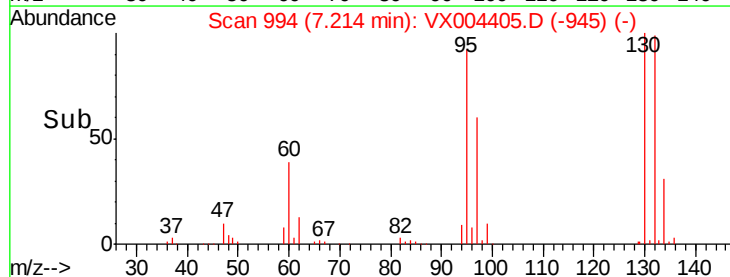
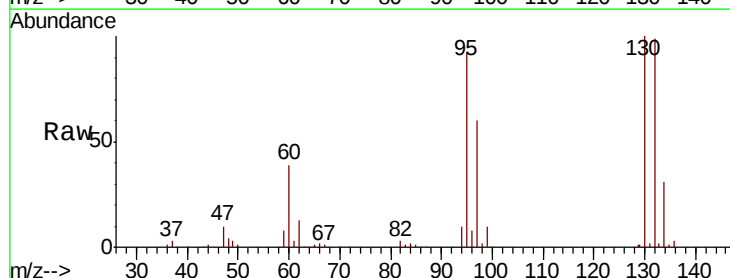
Manual Integrations
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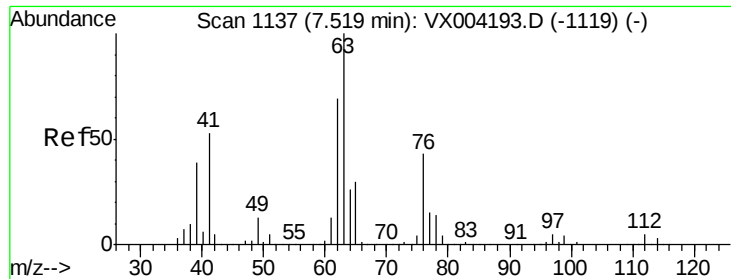
MMDadoda
9/10/2018 11:15:27 AM



#44
Trichloroethene
Concen: 19.16 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	181.6





#45

1,2-Dichloropropane

Concen: 20.17 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBS01

Tot Ion: 63 Resp: 84986

Ion Ratio Lower Upper

63 100

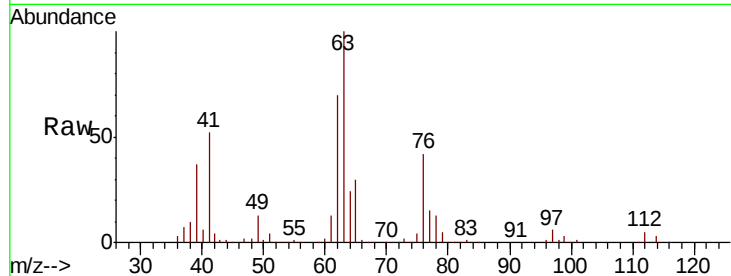
65 29.8 24.3 36.5

Manual Integrations

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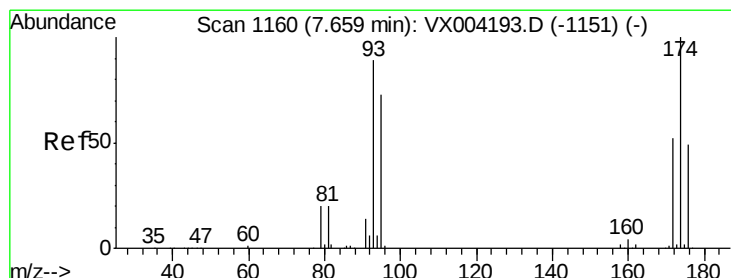
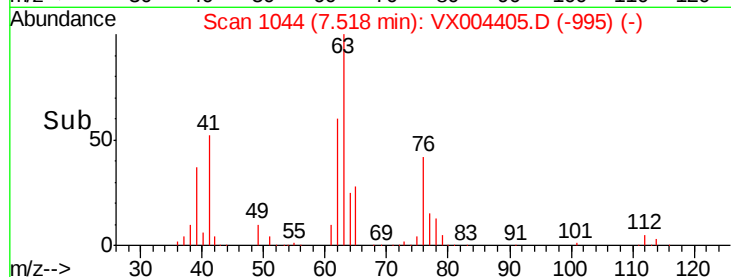
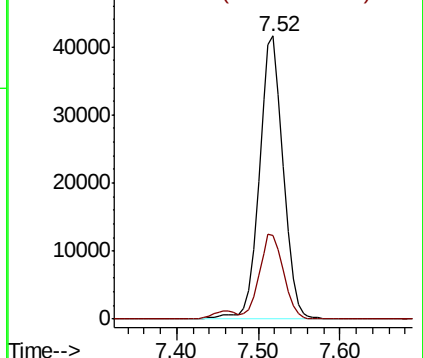
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.22 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

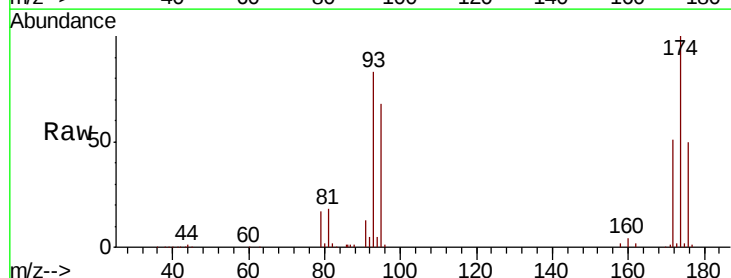
Tgt Ion: 93 Resp: 53915

Ion Ratio Lower Upper

93 100

95 83.2 65.5 98.3

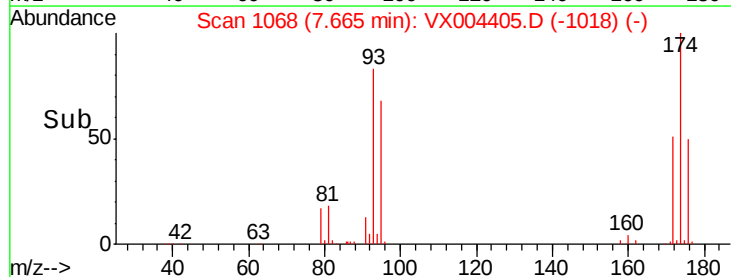
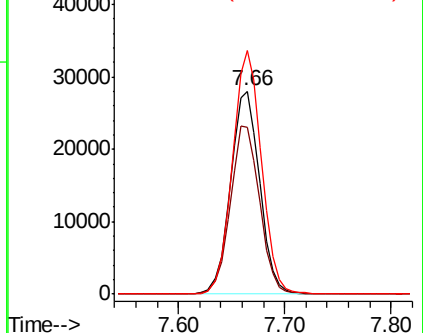
174 118.8 94.2 141.4

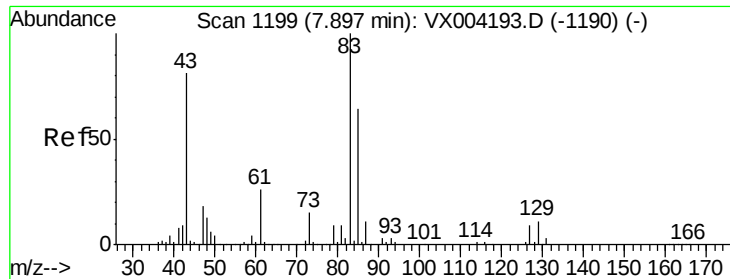


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.65 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

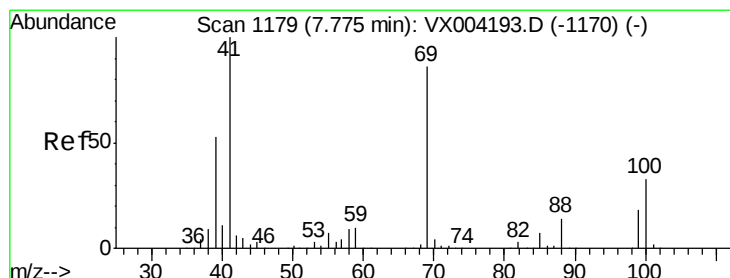
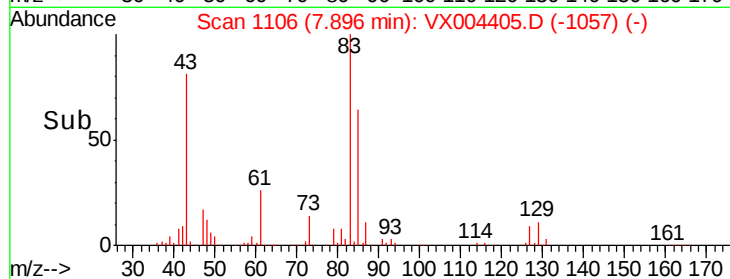
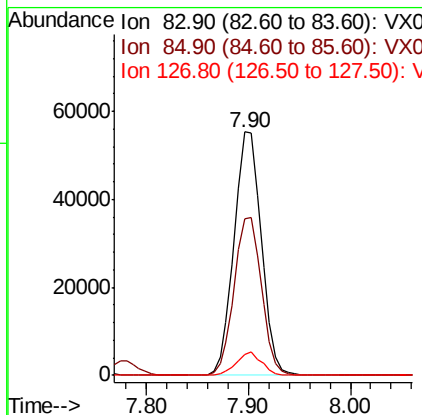
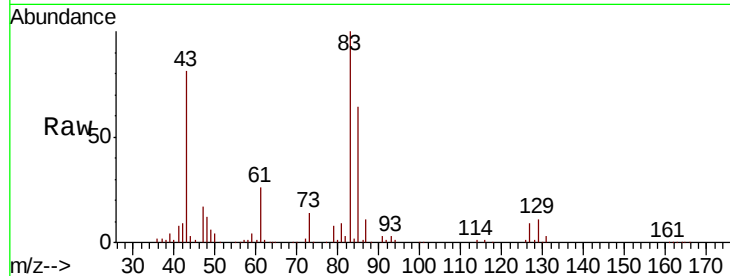
ClientSampleId :

VX0907MBS01

Tot Ion:	83	Resp:	102579
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.9	76.3
127	8.8	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.92 ug/l

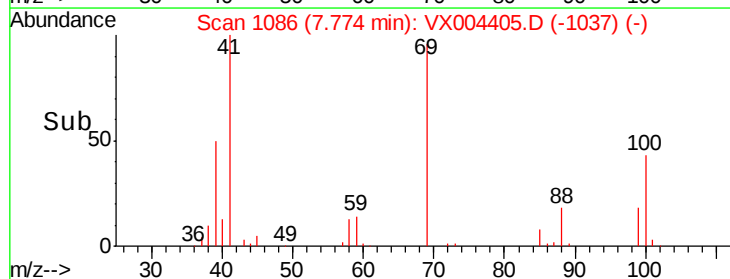
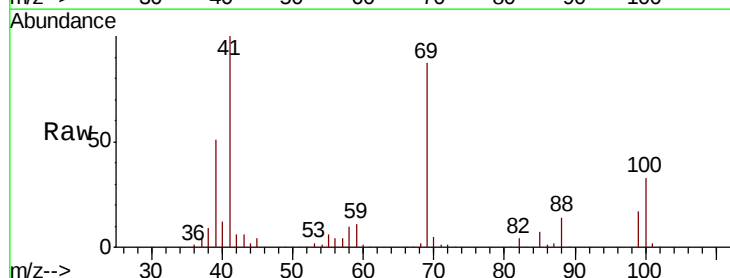
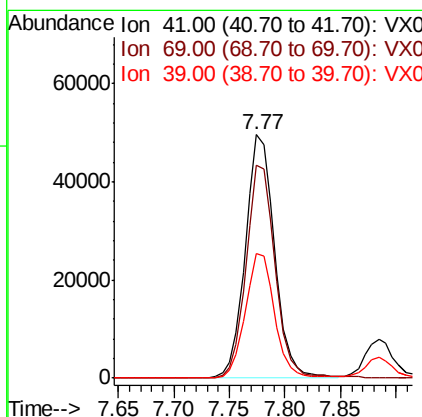
RT: 7.77 min Scan# 1086

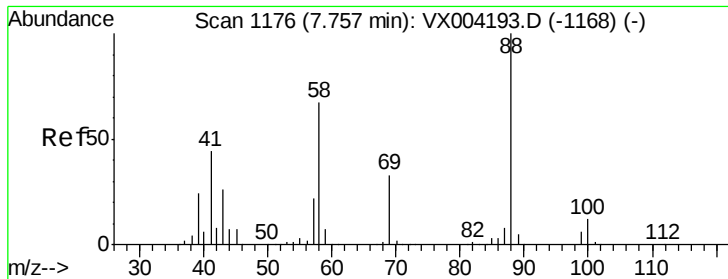
Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Tgt Ion:	41	Resp:	90761
Ion Ratio	Lower	Upper	
41	100		
69	86.7	70.2	105.4
39	51.3	42.7	64.1





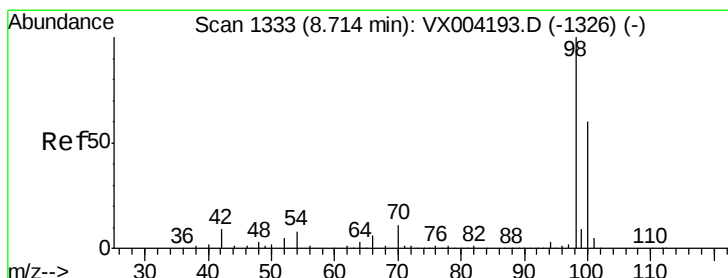
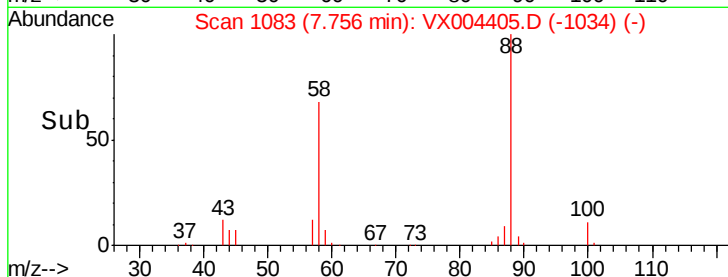
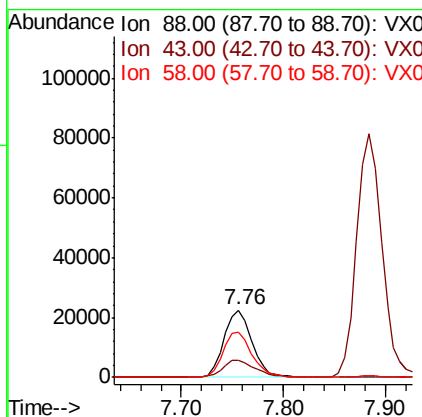
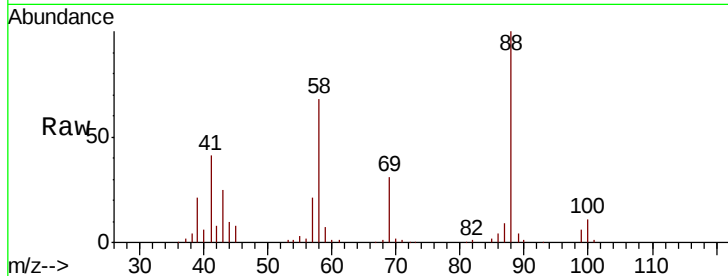
#49
1,4-Dioxane
Concen: 412.61 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion	88	Resp	42673
Ion	Ratio	Lower	Upper
88	100		
43	30.1	24.7	37.1
58	70.3	55.3	82.9

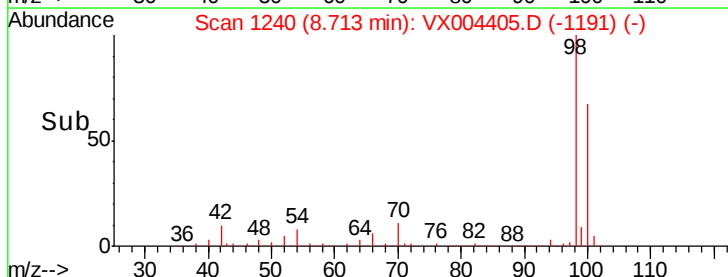
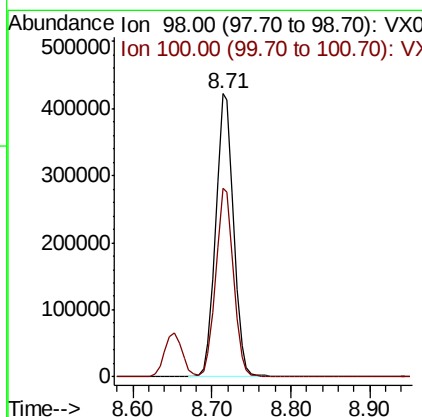
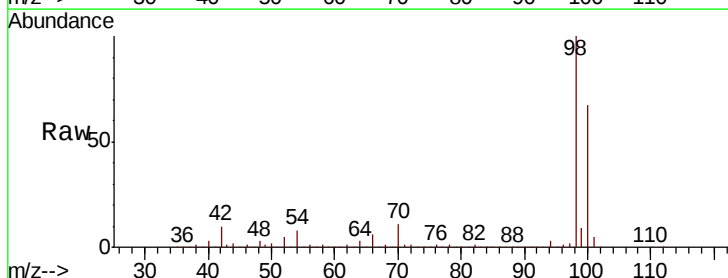
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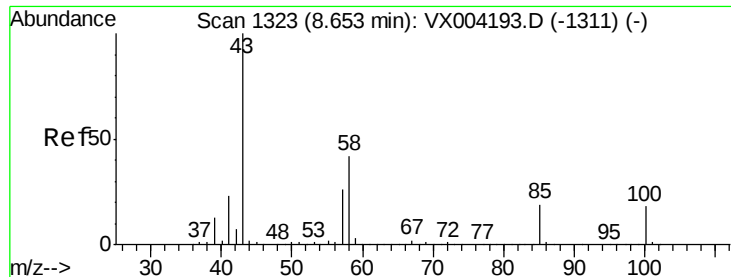
MMDadoda
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#50
Toluene-d8
Concen: 47.21 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion	98	Resp	664282
Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 96.41 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBS01

Tot Ion: 43 Resp: 596338

Ion Ratio Lower Upper

43 100

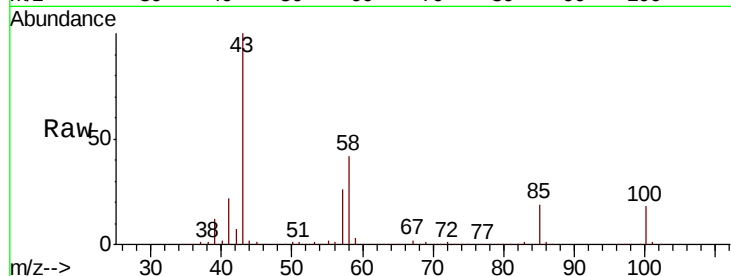
58 41.3 33.1 49.7

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

400000

300000

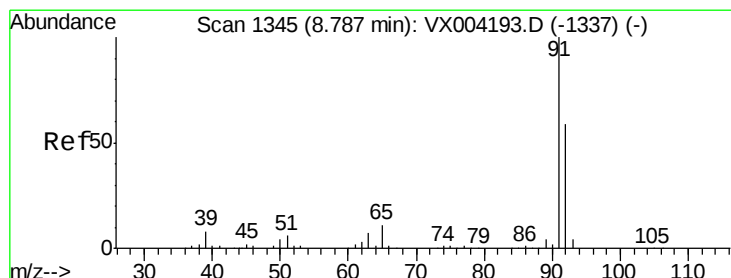
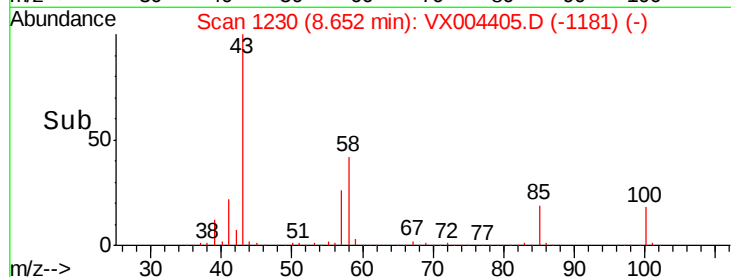
200000

100000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 19.71 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004405.D

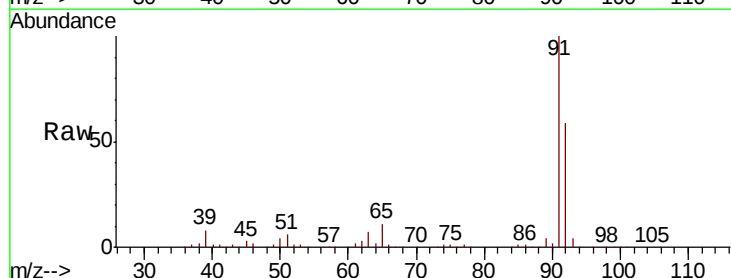
Acq: 07 Sep 2018 14:11

Tgt Ion: 92 Resp: 207699

Ion Ratio Lower Upper

92 100

91 169.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

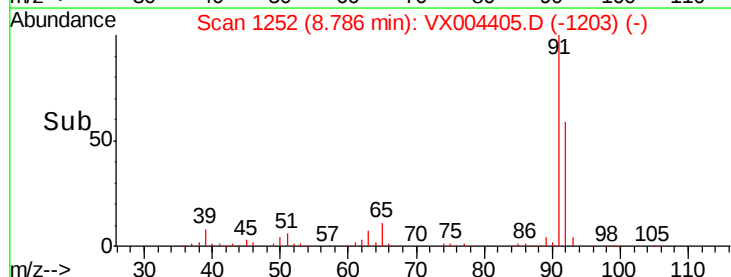
100000

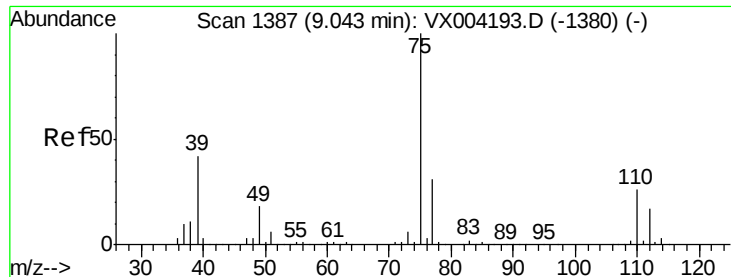
50000

0

8.70 8.80 8.90

Time-->





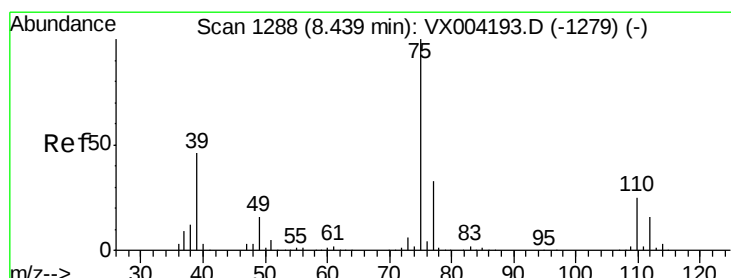
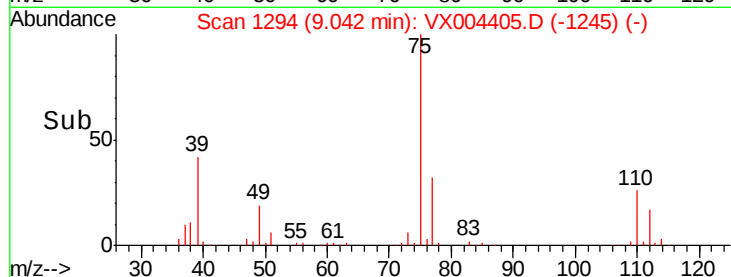
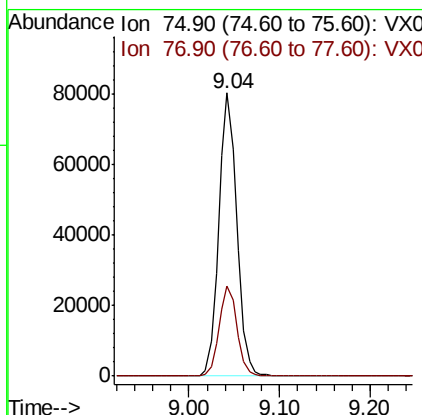
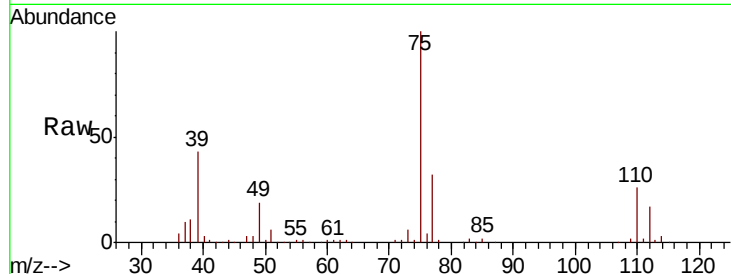
#53
t-1,3-Dichloropropene
Concen: 19.39 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion: 75 Resp: 111770
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0

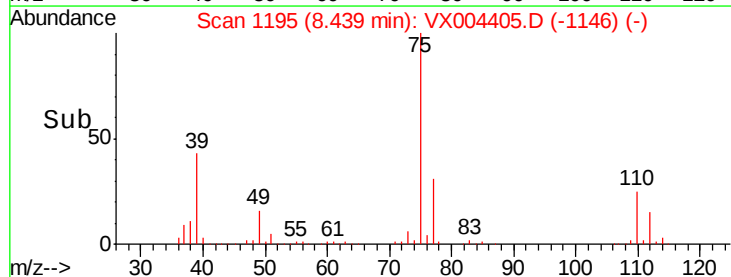
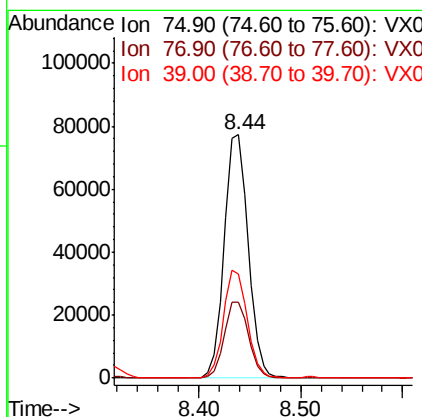
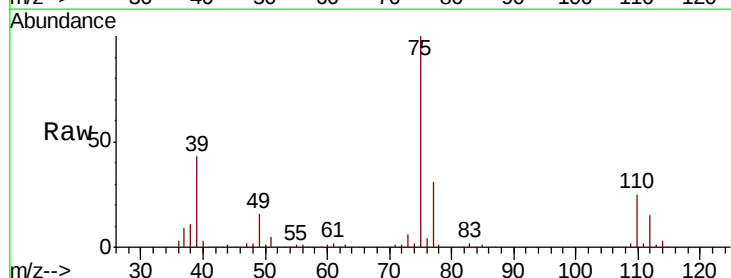
Manual Integrations
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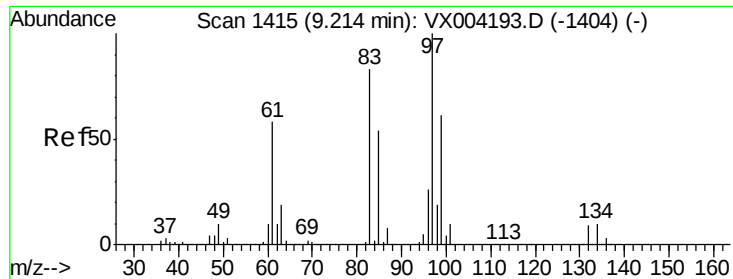
MMDadoda
9/10/2018 11:15:27 AM



#54
cis-1,3-Dichloropropene
Concen: 20.12 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion: 75 Resp: 126340
Ion Ratio Lower Upper
75 100
77 31.3 26.2 39.2
39 42.7 36.4 54.6





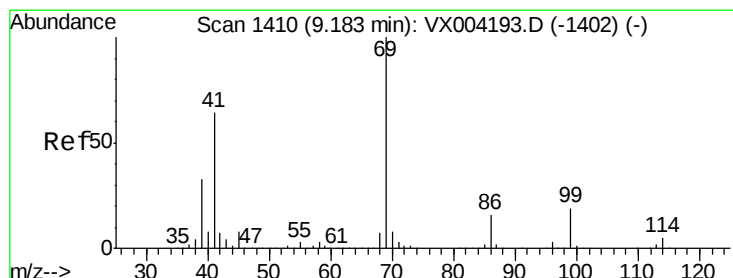
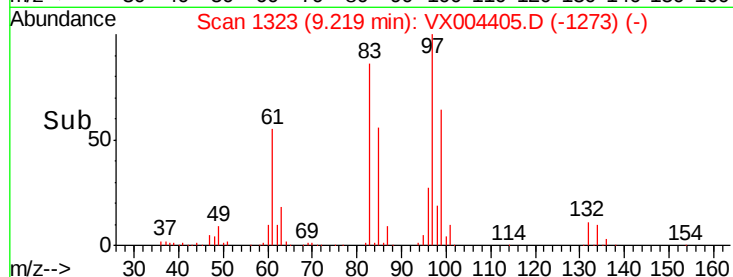
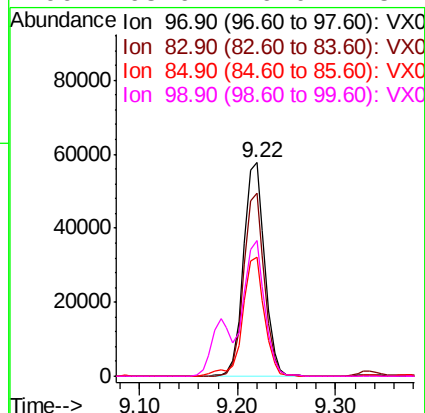
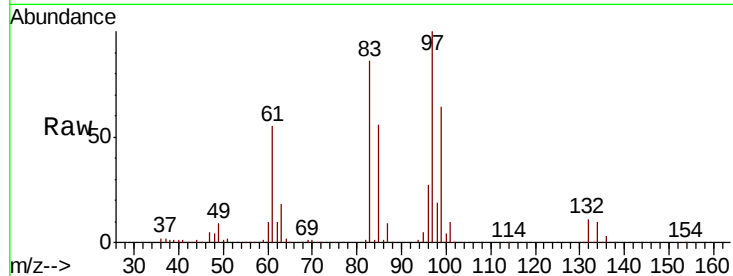
#55
 1,1,2-Trichloroethane
 Concen: 20.38 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX004405.D
 Acq: 07 Sep 2018 14:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907MBS01

Tot Ion:	97	Resp:	86677
Ion	Ratio	Lower	Upper
97	100		
83	85.5	66.4	99.6
85	55.8	43.3	64.9
99	63.6	49.0	73.4

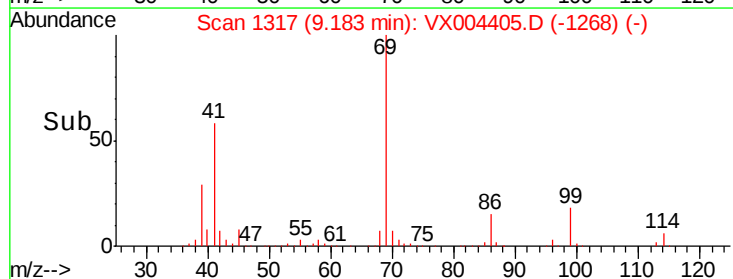
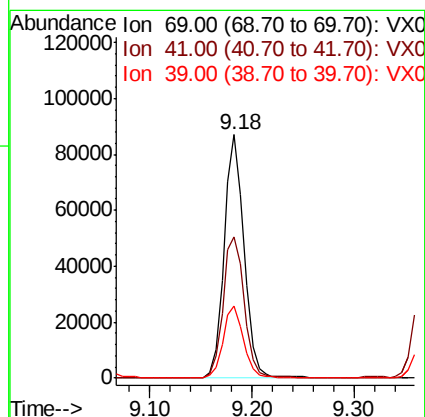
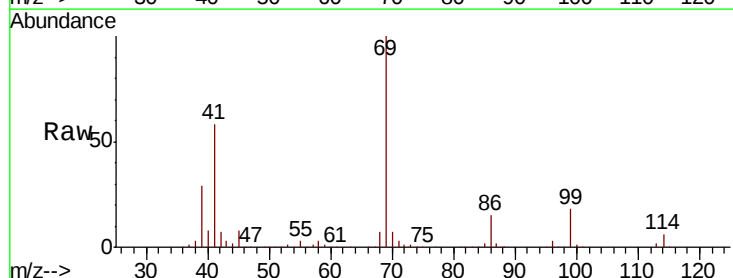
Manual Integrations
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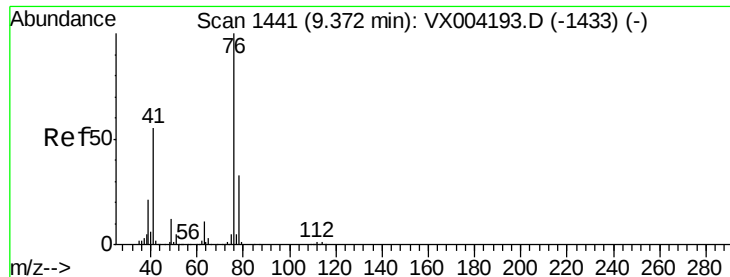
MMDadoda
 9/10/2018 11:15:27 AM



#56
 Ethyl methacrylate
 Concen: 20.42 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004405.D
 Acq: 07 Sep 2018 14:11

Tgt Ion:	69	Resp:	118232
Ion	Ratio	Lower	Upper
69	100		
41	62.1	51.0	76.4
39	30.5	26.1	39.1





#57

1,3-Dichloropropane

Concen: 20.15 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBS01

Tot Ion: 76 Resp: 144480

Ion Ratio Lower Upper

76 100

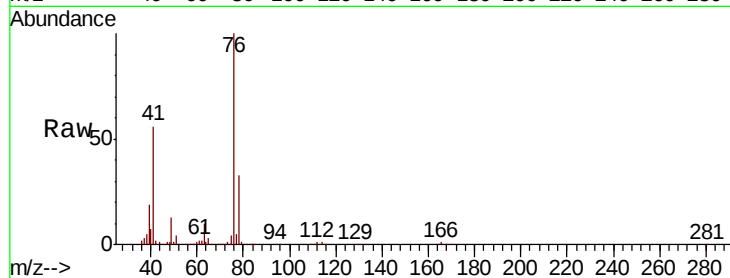
78 32.0 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

120000

100000

80000

60000

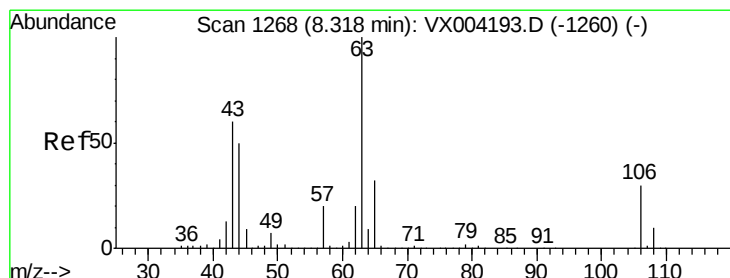
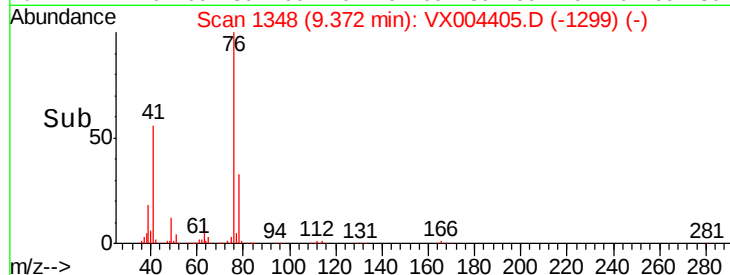
40000

20000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 106.13 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX004405.D

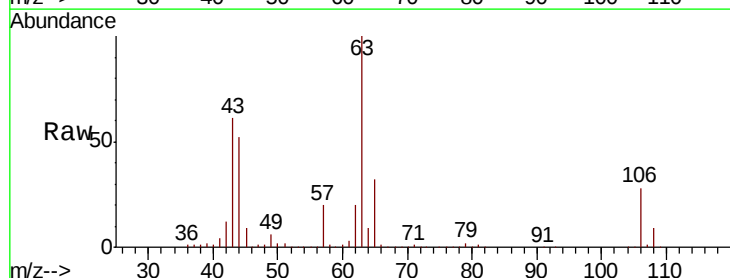
Acq: 07 Sep 2018 14:11

Tgt Ion: 63 Resp: 314858

Ion Ratio Lower Upper

63 100

106 29.2 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

200000

150000

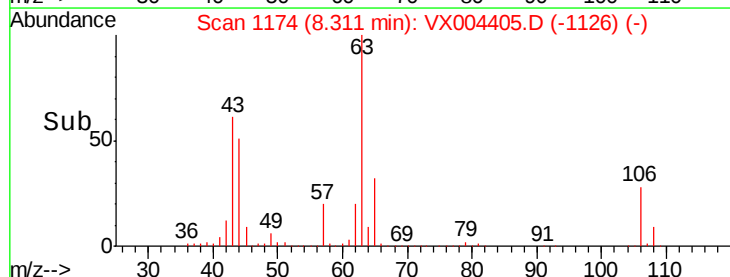
100000

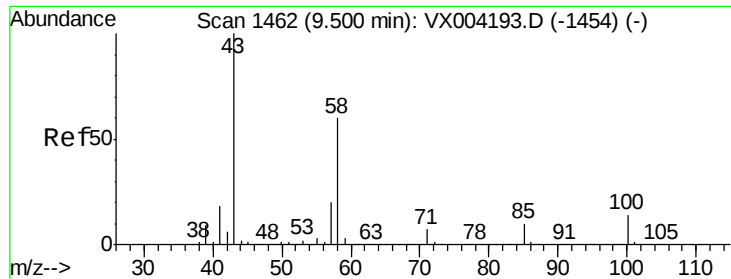
50000

0

8.20 8.30 8.40

Time-->





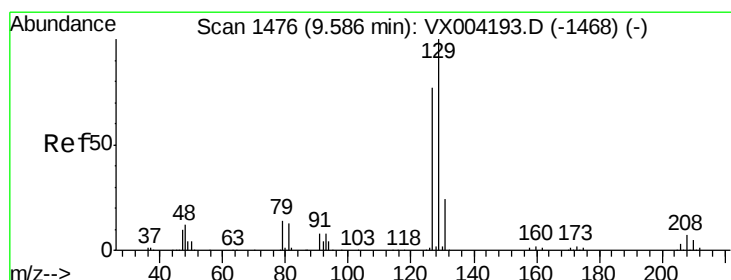
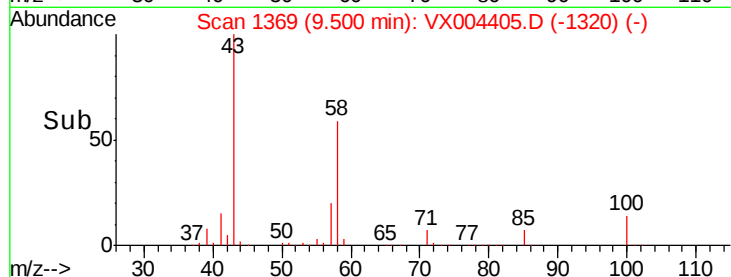
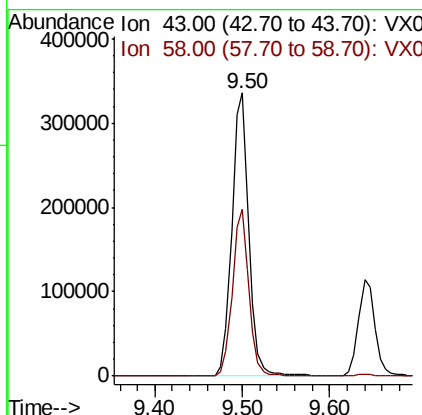
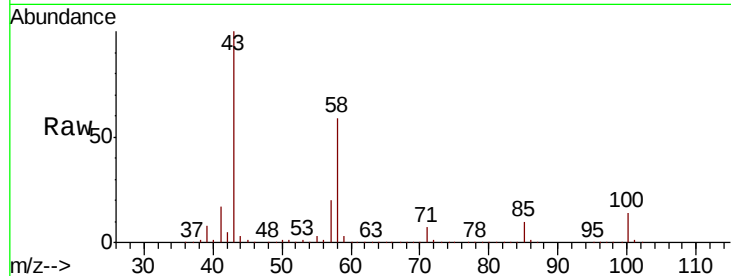
#59
2-Hexanone
Concen: 96.23 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion: 43 Resp: 454090
Ion Ratio Lower Upper
43 100
58 57.6 29.0 87.0

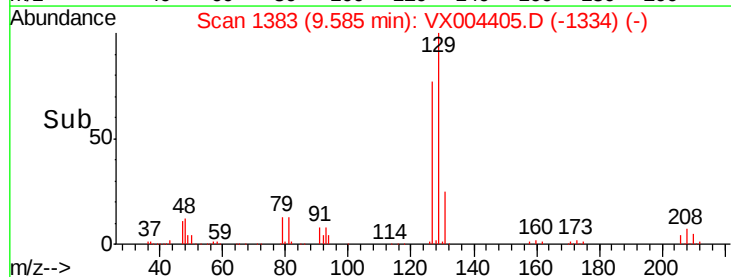
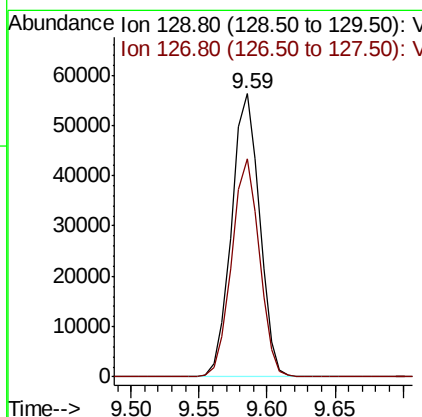
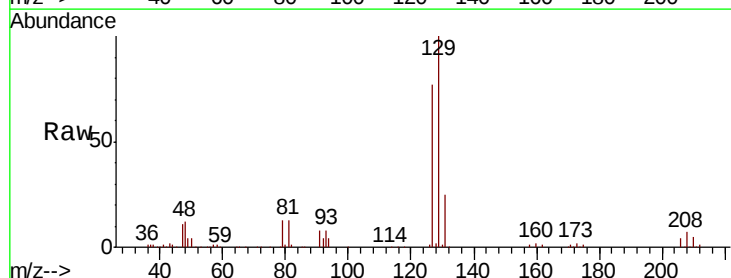
Manual Integrations
APPROVED

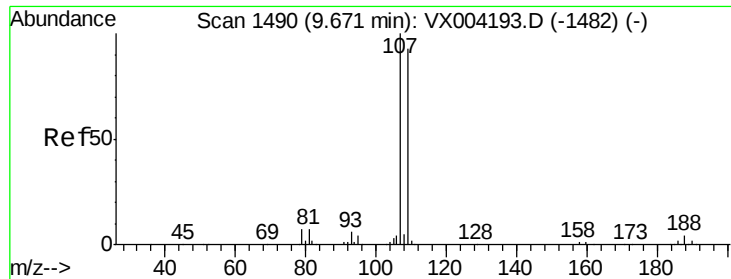
MMDadoda
9/10/2018 11:15:27 AM



#60
Dibromochloromethane
Concen: 19.56 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion: 129 Resp: 81044
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.63 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBS01

Tot Ion:107 Resp: 86417

Ion Ratio Lower Upper

107 100

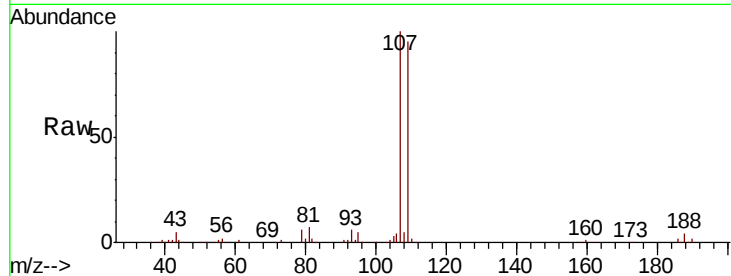
109 95.4 76.0 114.0

Manual Integrations

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MMDadoda

9/10/2018 11:15:27 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

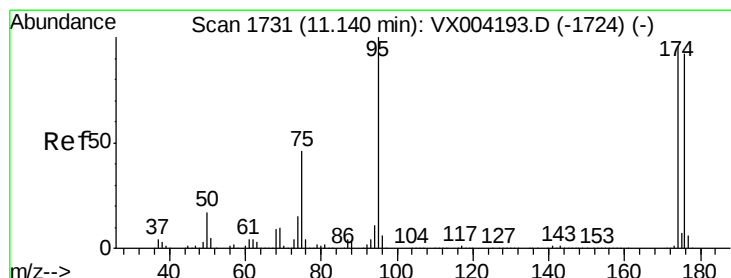
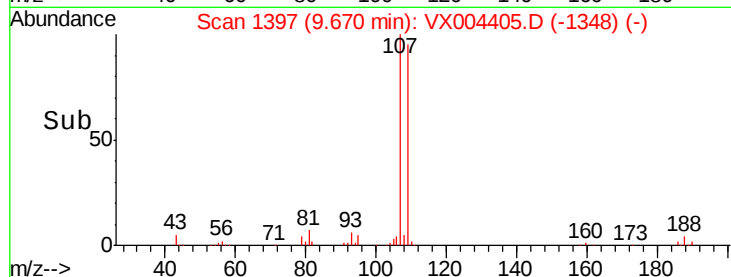
40000

20000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 48.60 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

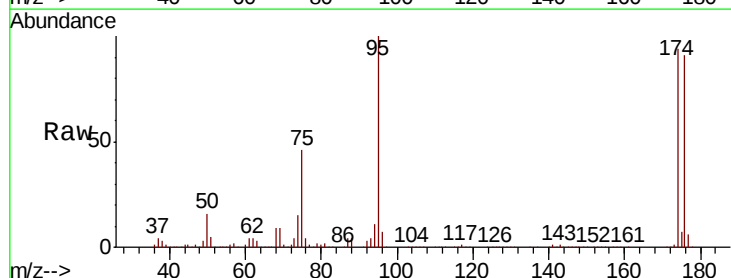
Tgt Ion: 95 Resp: 255151

Ion Ratio Lower Upper

95 100

174 87.9 0.0 185.2

176 87.6 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

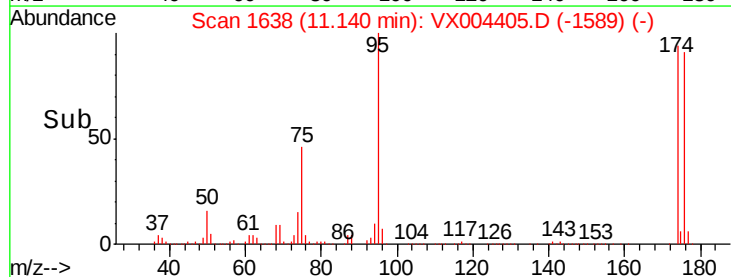
100000

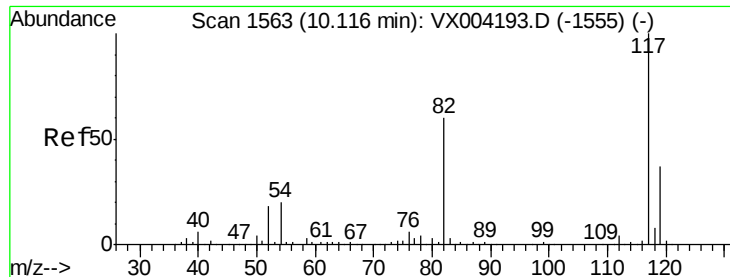
50000

0

11.10 11.20

Time-->





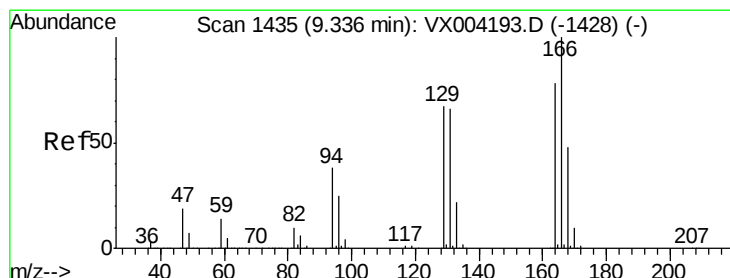
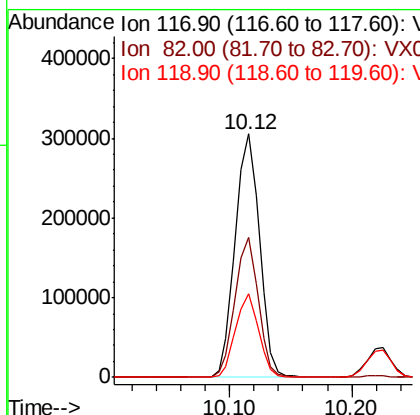
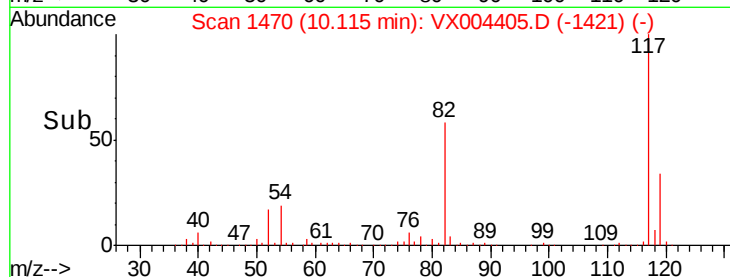
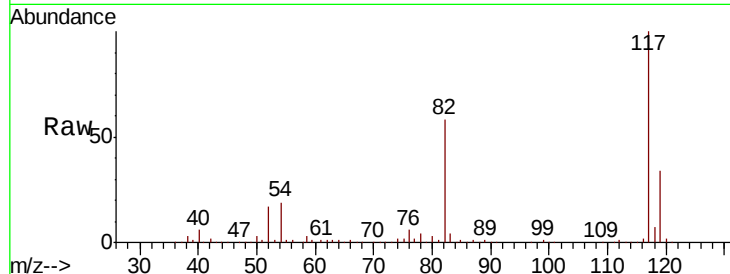
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.8	71.6
119	34.2	29.3	43.9

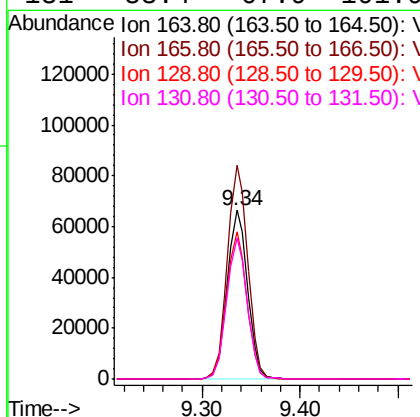
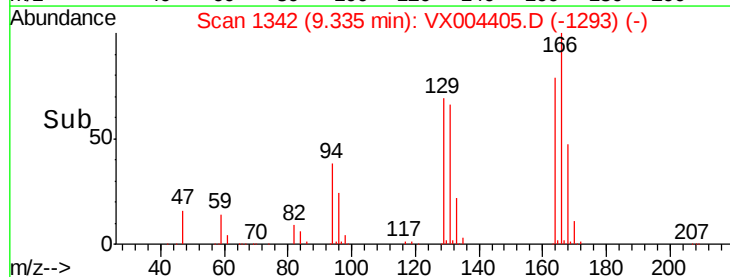
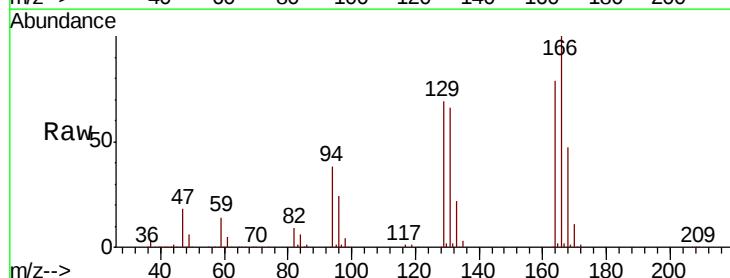
Manual Integrations
APPROVED

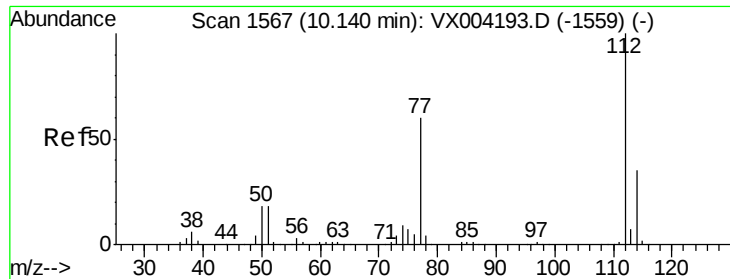
MMDadoda
9/10/2018 11:15:27 AM



#64
Tetrachloroethene
Concen: 23.20 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	102.8	154.2
129	87.8	69.4	104.0
131	83.4	67.9	101.9





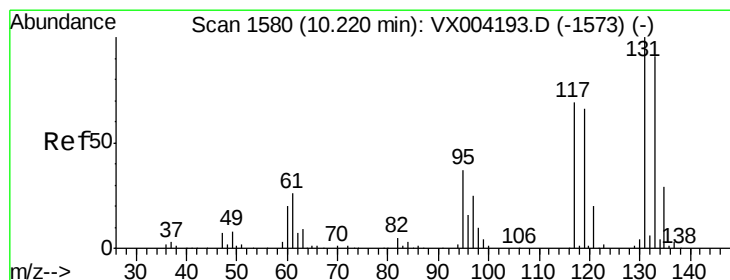
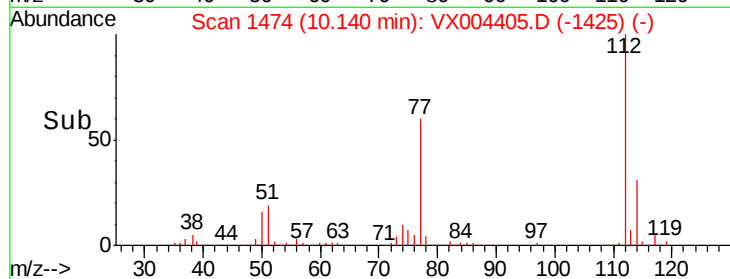
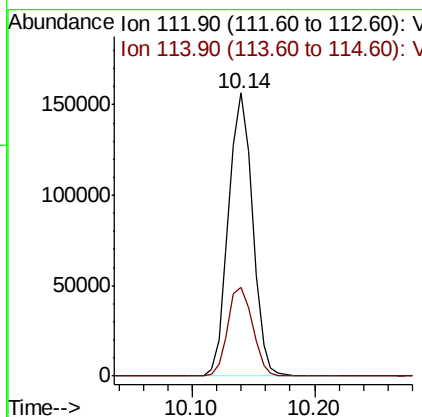
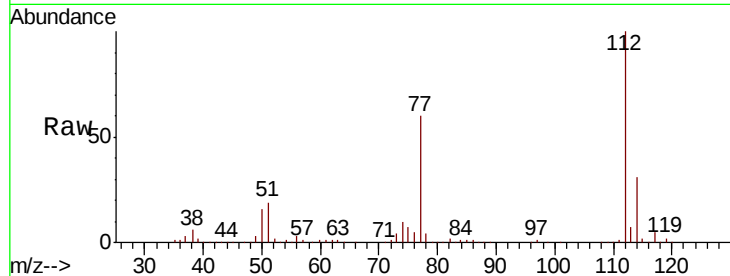
#65
Chlorobenzene
Concen: 20.19 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion:112 Resp: 213405
Ion Ratio Lower Upper
112 100
114 31.4 27.8 41.8

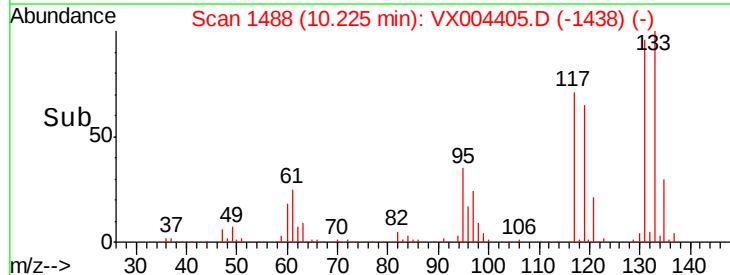
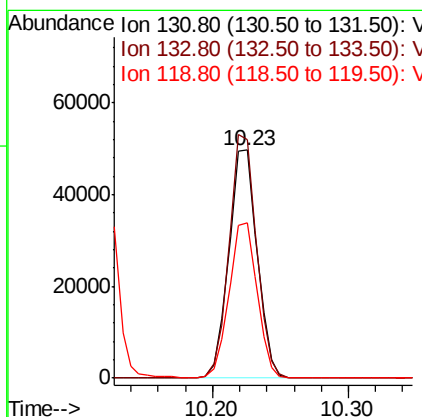
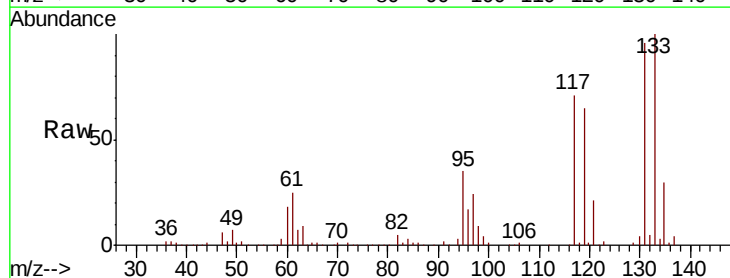
Manual Integrations
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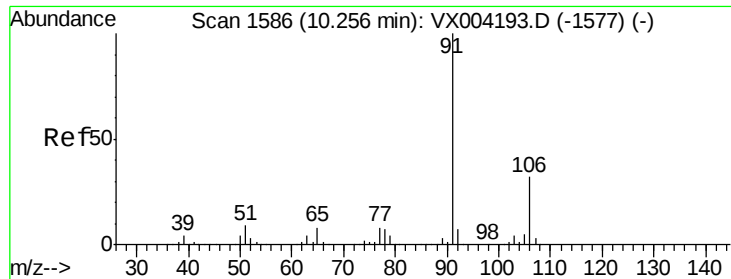
MMDadoda
9/10/2018 11:15:27 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.78 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion:131 Resp: 72106
Ion Ratio Lower Upper
131 100
133 103.1 48.1 144.4
119 67.5 32.9 98.6





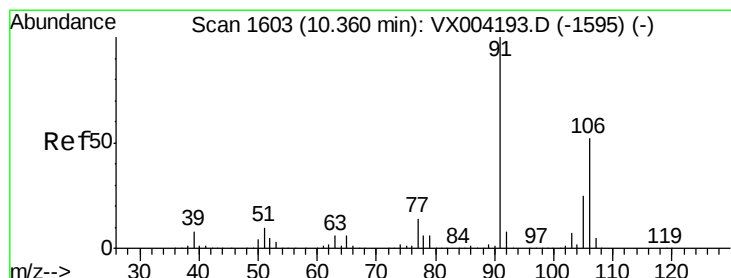
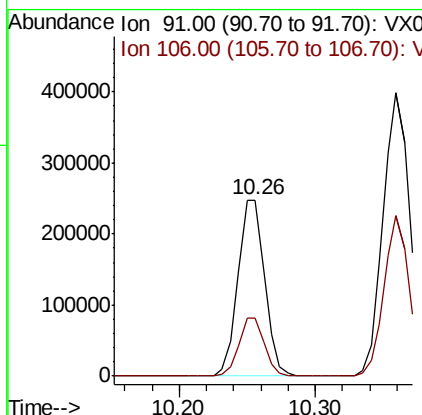
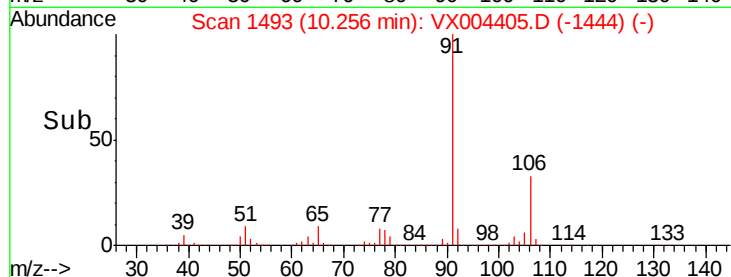
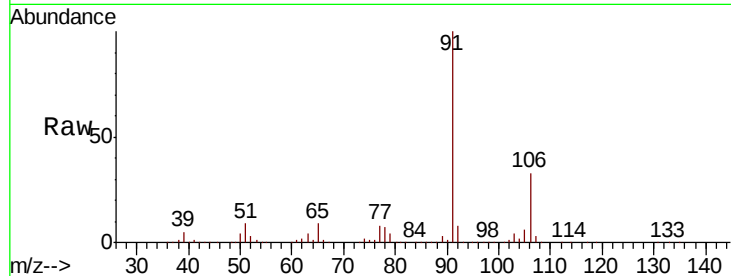
#67
Ethyl Benzene
Concen: 19.77 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion: 91 Resp: 339407
Ion Ratio Lower Upper
91 100
106 33.4 25.9 38.9

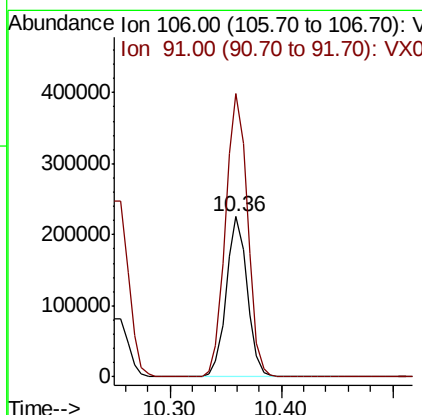
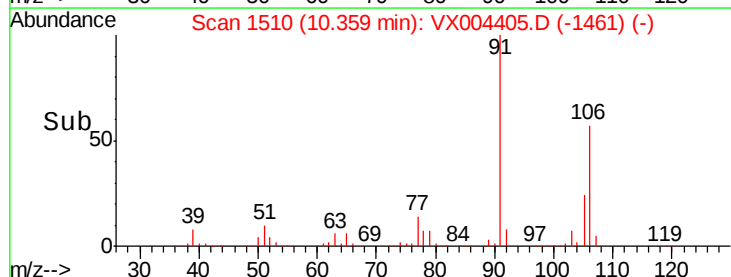
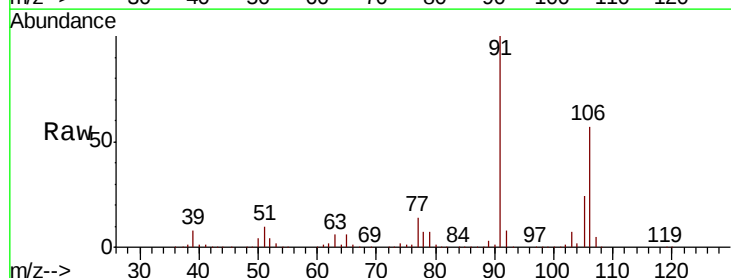
Manual Integrations
APPROVED

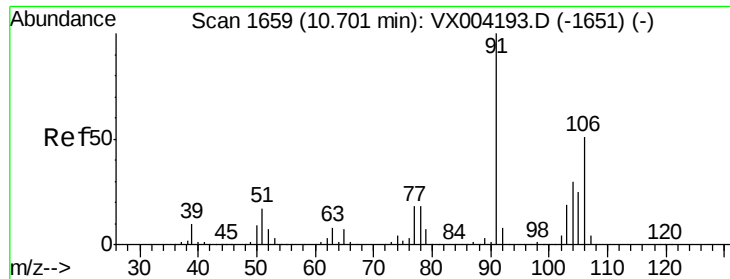
MMDadoda
9/10/2018 11:15:27 AM



#68
m/p-Xylenes
Concen: 43.63 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion: 106 Resp: 292883
Ion Ratio Lower Upper
106 100
91 186.5 157.1 235.7





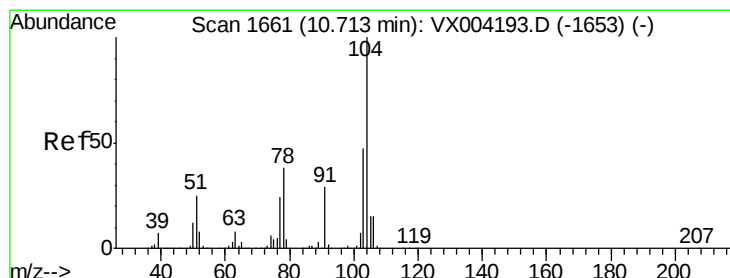
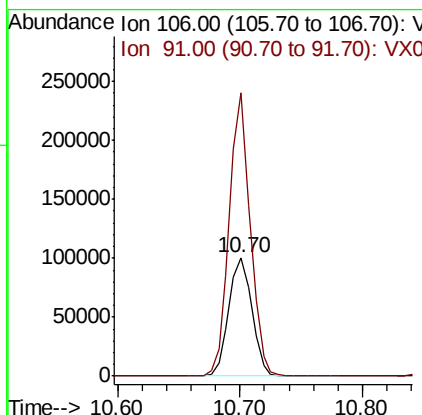
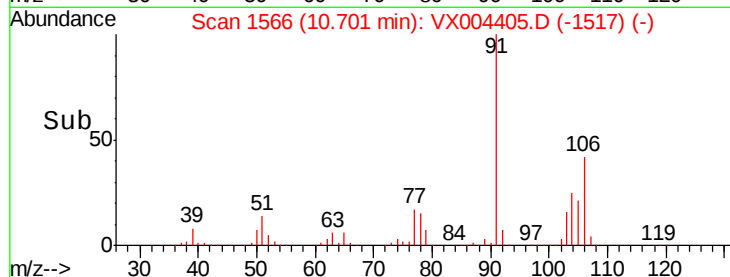
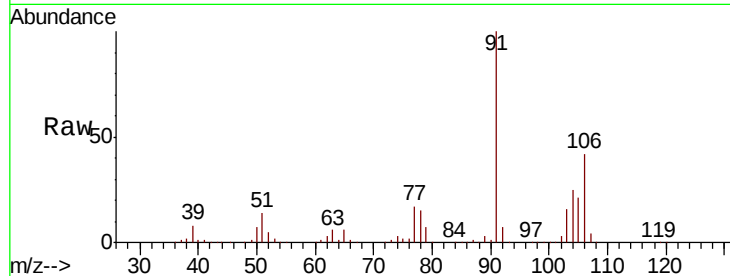
#69
o-Xylene
Concen: 20.63 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampled :
VX0907MBS01

Tot Ion:106 Resp: 130980
Ion Ratio Lower Upper
106 100
91 218.1 105.1 315.1

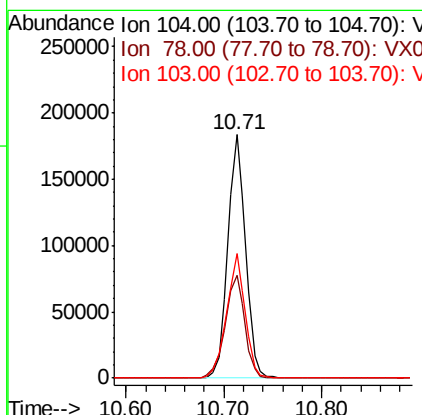
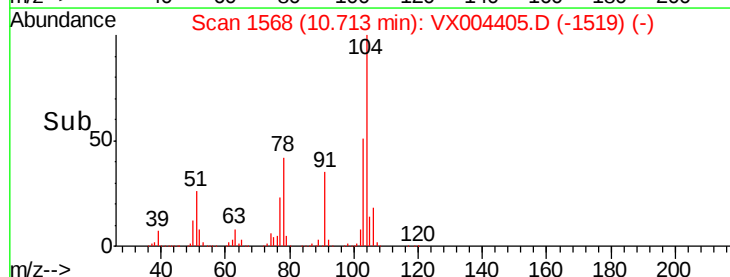
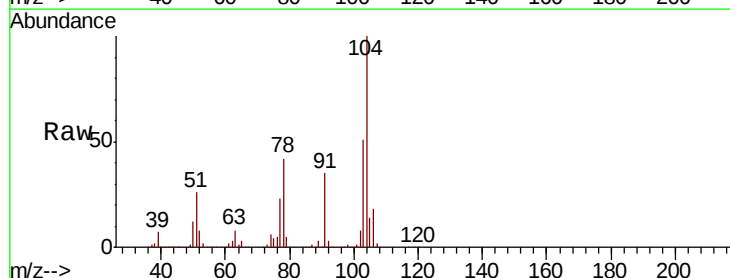
Manual Integrations
APPROVED

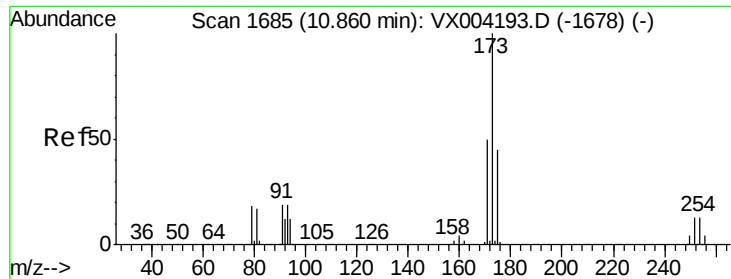
MMDadoda
9/10/2018 11:15:27 AM



#70
Styrene
Concen: 22.46 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion:104 Resp: 230873
Ion Ratio Lower Upper
104 100
78 46.9 37.4 56.0
103 53.5 43.8 65.6





#71

Bromoform

Concen: 20.93 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBS01

Tot Ion:173 Resp: 61523

Ion Ratio Lower Upper

173 100

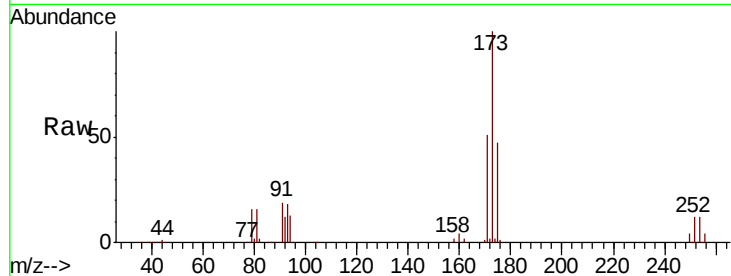
175 48.2 24.1 72.3

254 0.0 0.2 0.2#

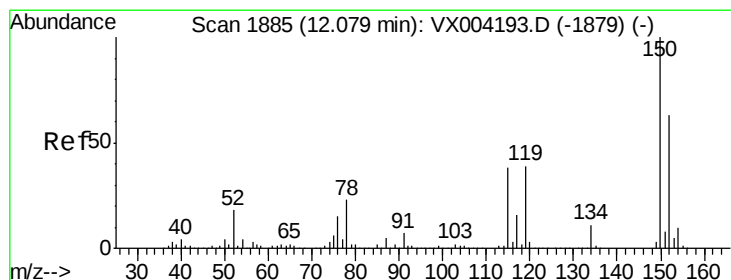
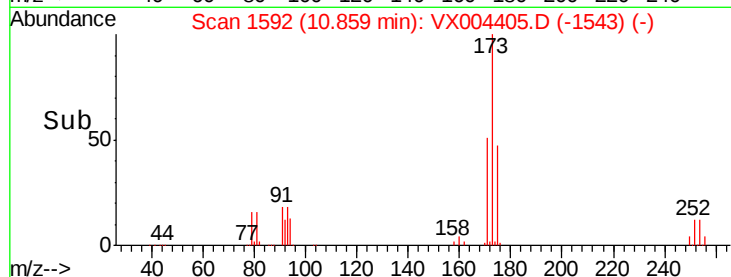
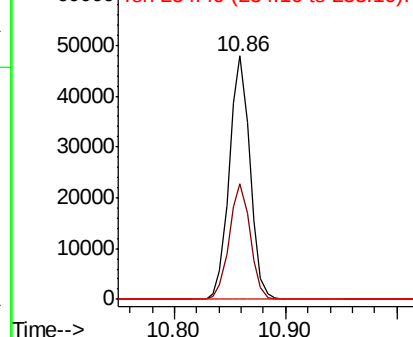
Manual Integrations
APPROVED

MMDadoda

9/10/2018 11:15:27 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

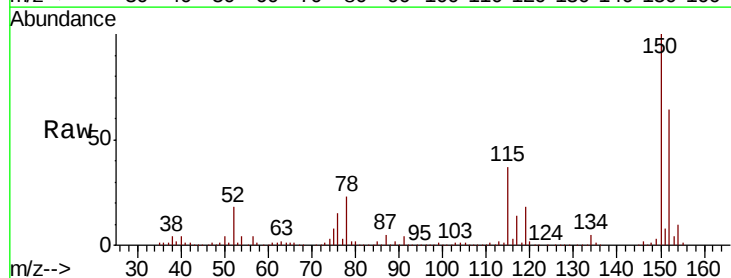
Tgt Ion:152 Resp: 288974

Ion Ratio Lower Upper

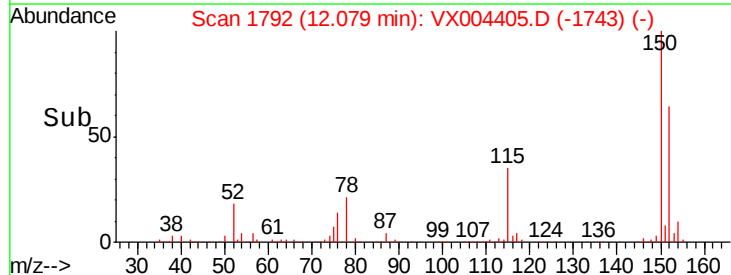
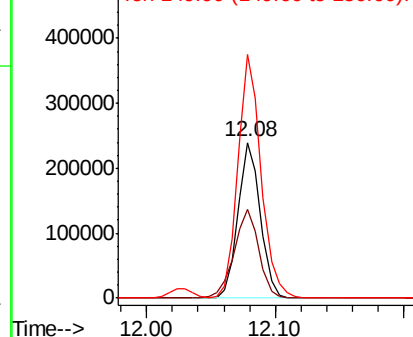
152 100

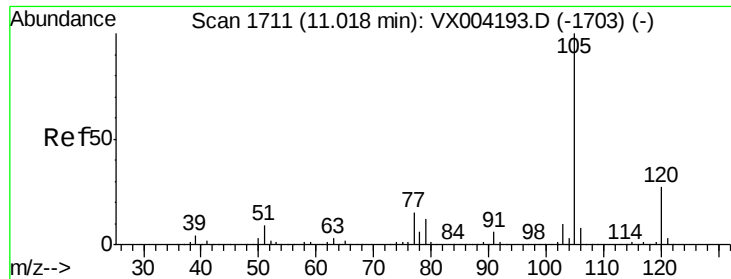
115 63.4 39.0 117.0

150 162.8 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.55 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBS01

Tot Ion:105 Resp: 389947

Ion Ratio Lower Upper

105 100

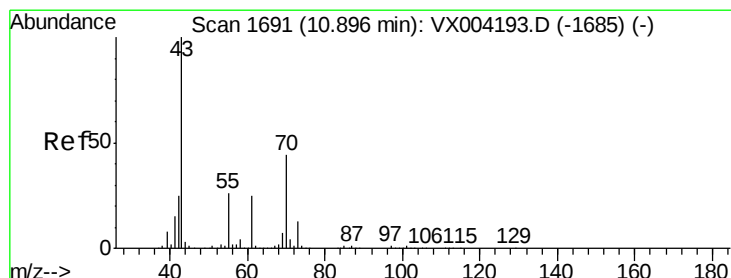
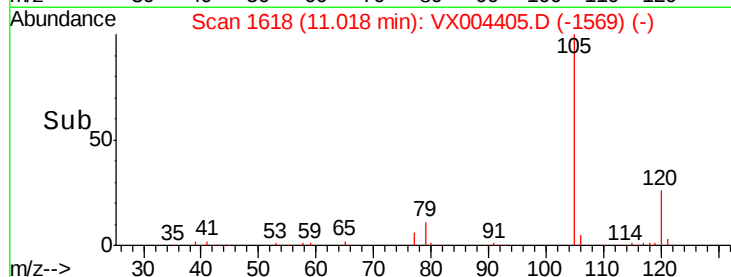
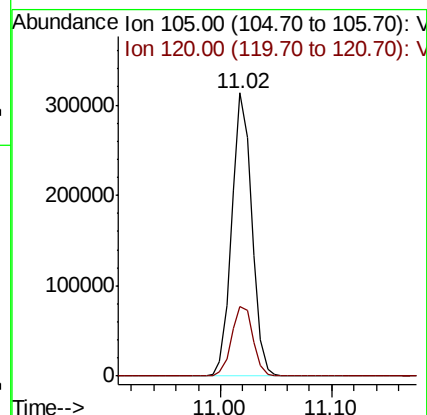
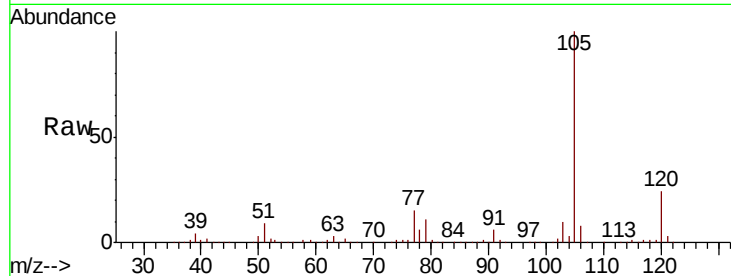
120 26.3 13.5 40.4

Manual Integrations

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MMDadoda

9/10/2018 11:15:27 AM



#74

N-ethyl acetate

Concen: 19.06 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Tgt Ion: 43 Resp: 139277

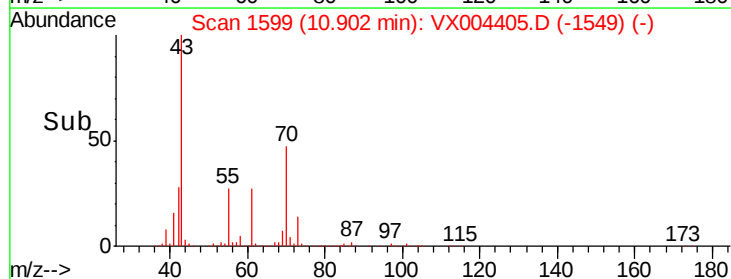
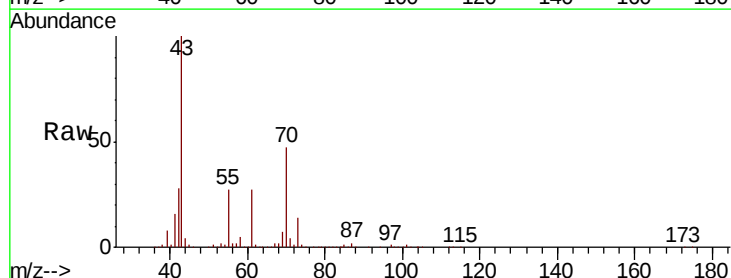
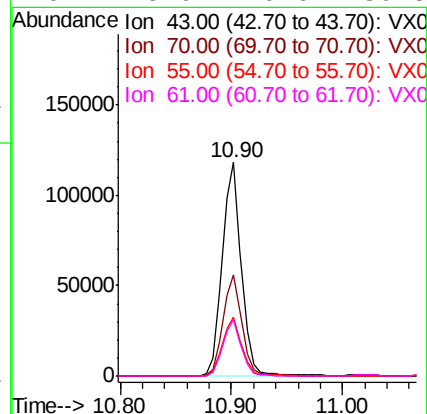
Ion Ratio Lower Upper

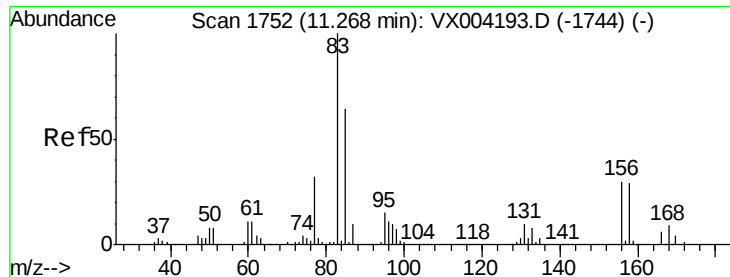
43 100

70 47.2 37.4 56.0

55 28.3 21.8 32.8

61 25.9 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.26 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBS01

Tot Ion: 83 Resp: 127939

Ion Ratio Lower Upper

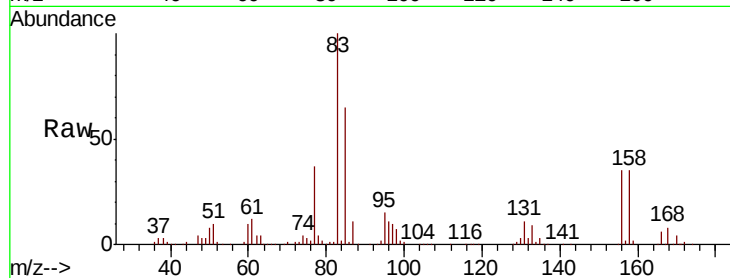
83 100

131 10.4 5.2 15.6

85 64.4 32.3 96.8

Manual Integrations
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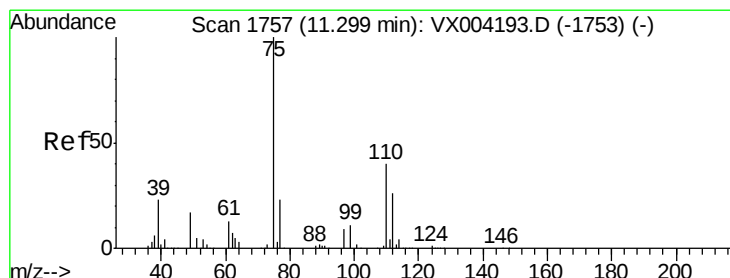
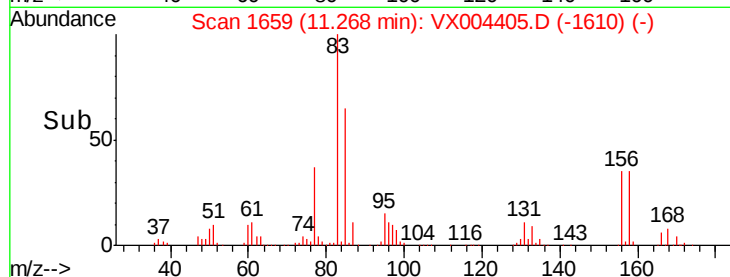
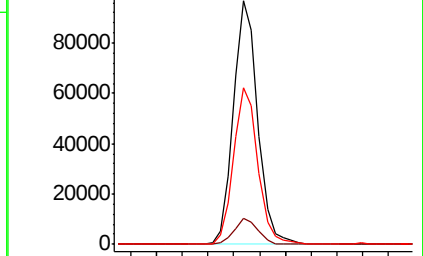
MMDadoda
9/10/2018 11:15:27 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.76 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004405.D

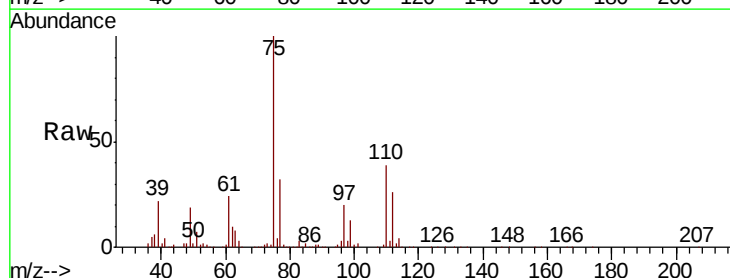
Acq: 07 Sep 2018 14:11

Tgt Ion: 75 Resp: 116159

Ion Ratio Lower Upper

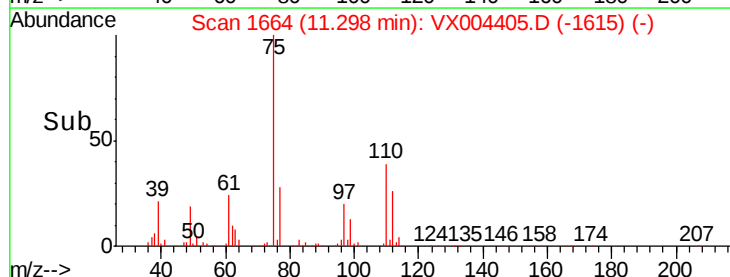
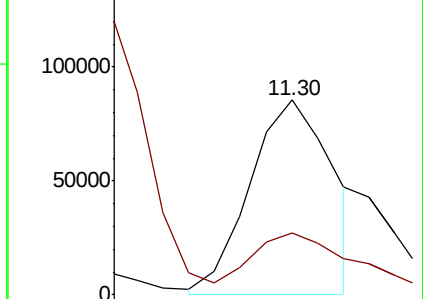
75 100

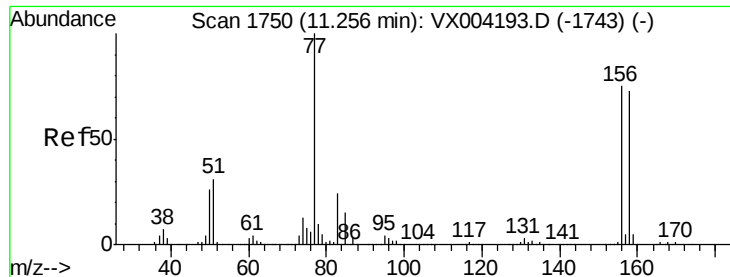
77 40.8 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.86 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBS01

Tot Ion:156 Resp: 105751

Ion Ratio Lower Upper

156 100

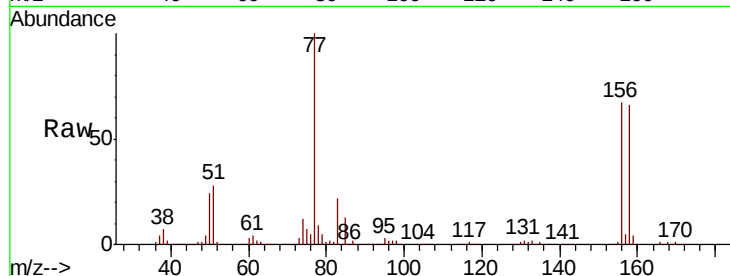
77 144.8 71.5 214.3

158 97.6 48.9 146.8

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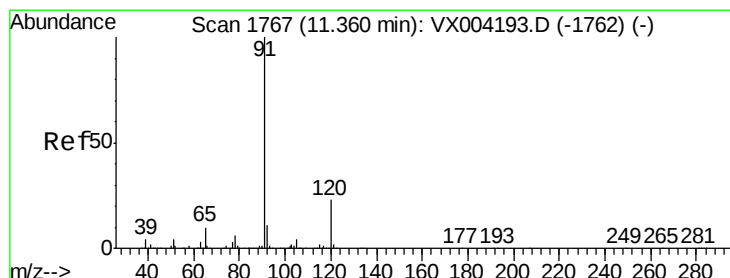
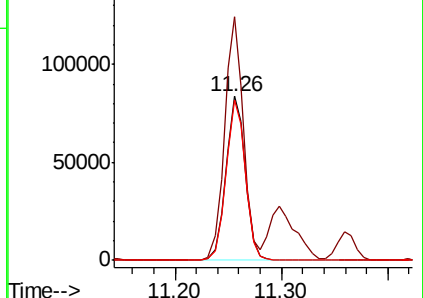
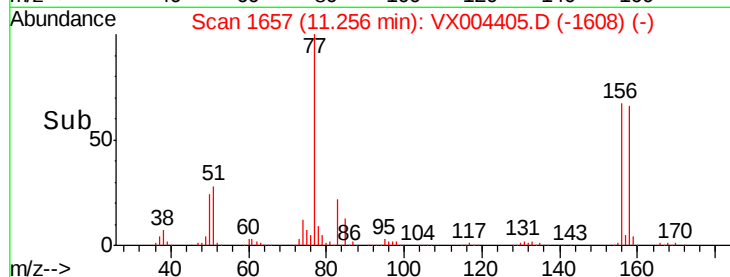
9/10/2018 11:15:27 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.40 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004405.D

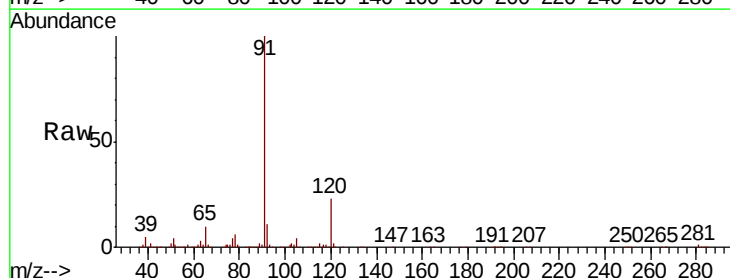
Acq: 07 Sep 2018 14:11

Tgt Ion: 91 Resp: 445349

Ion Ratio Lower Upper

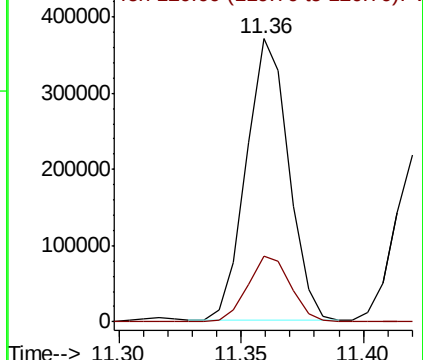
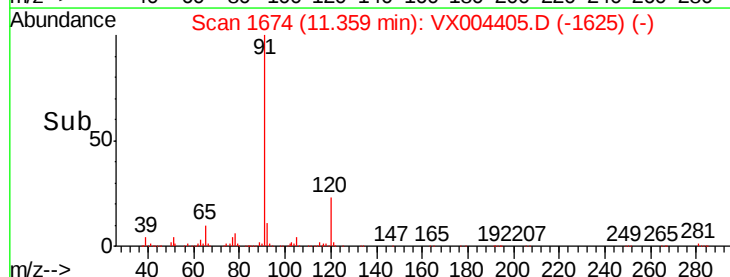
91 100

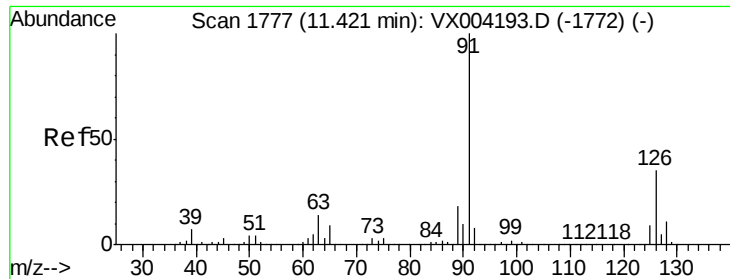
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.97 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBS01

Tot Ion: 91 Resp: 268335

Ion Ratio Lower Upper

91 100

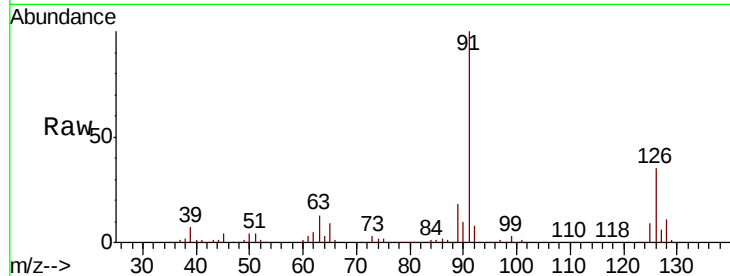
126 35.3 17.9 53.7

Manual Integrations

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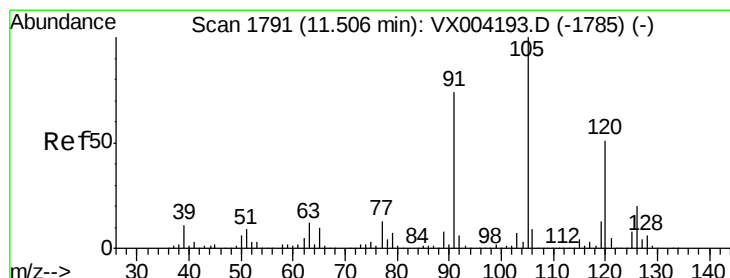
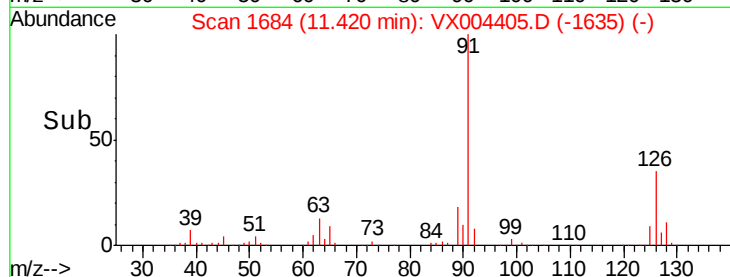
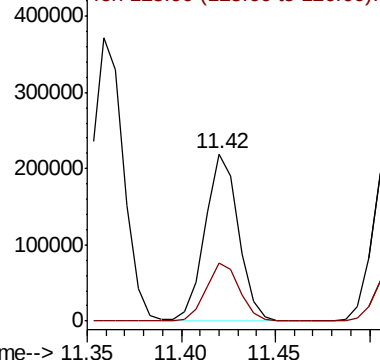
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.60 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004405.D

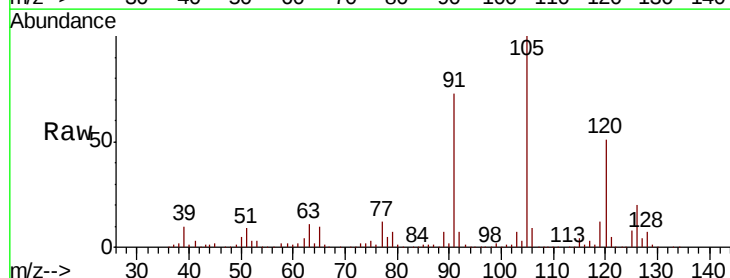
Acq: 07 Sep 2018 14:11

Tgt Ion:105 Resp: 323776

Ion Ratio Lower Upper

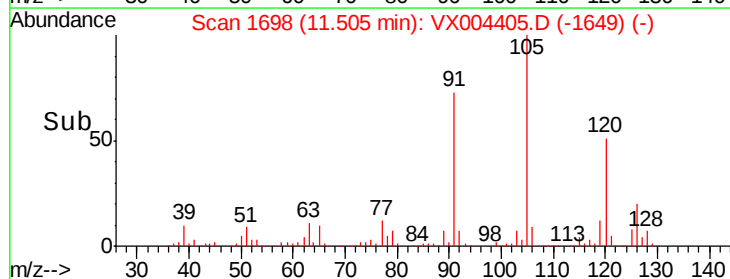
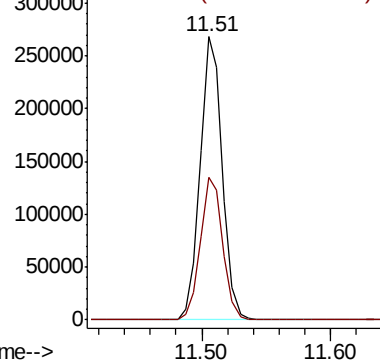
105 100

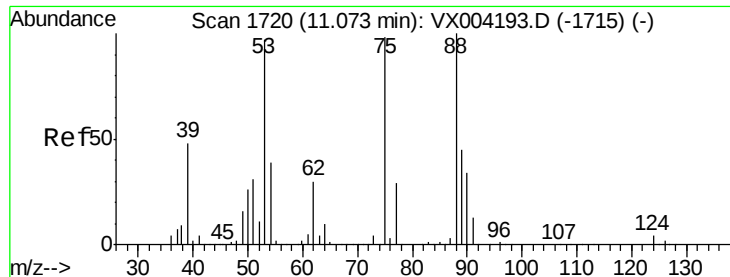
120 50.9 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.44 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.01 min

Lab File: VX004405.D

Acq: 07 Sep 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0907MBS01

Tot Ion: 75 Resp: 35216

Ion Ratio Lower Upper

75 100

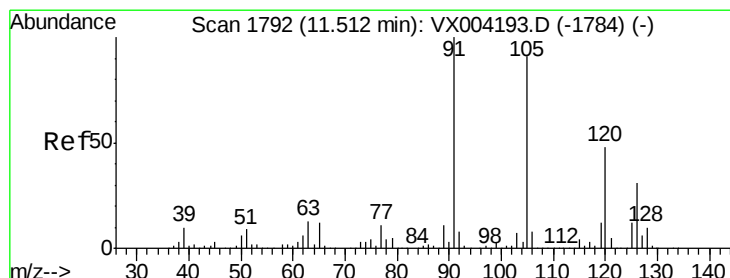
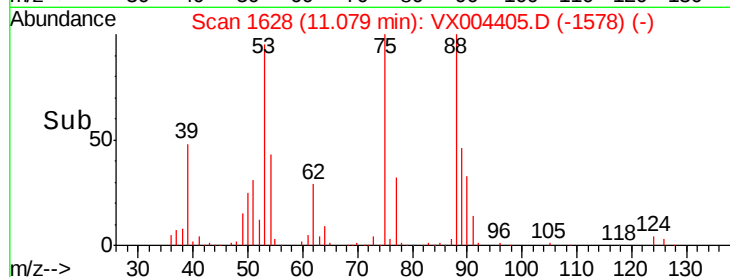
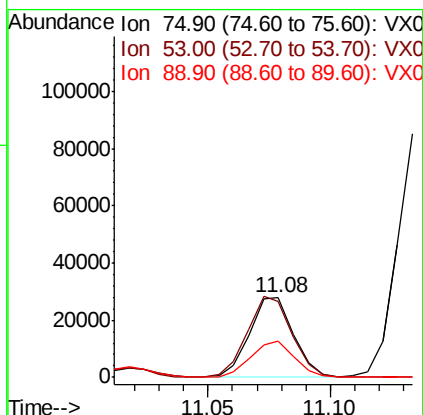
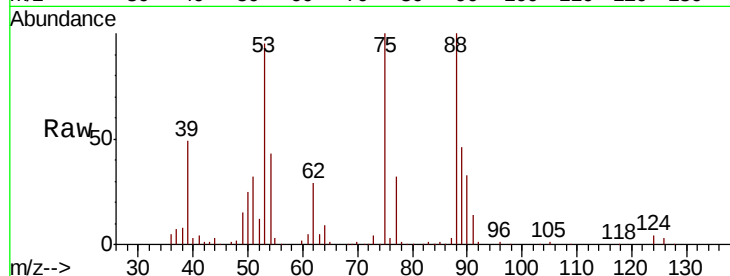
53 101.2 80.1 120.1

89 45.0 37.2 55.8

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#82

4-Chlorotoluene

Concen: 19.78 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004405.D

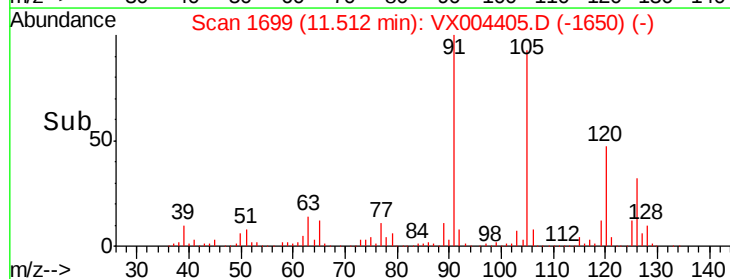
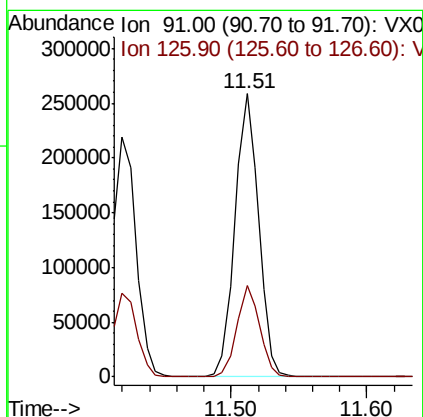
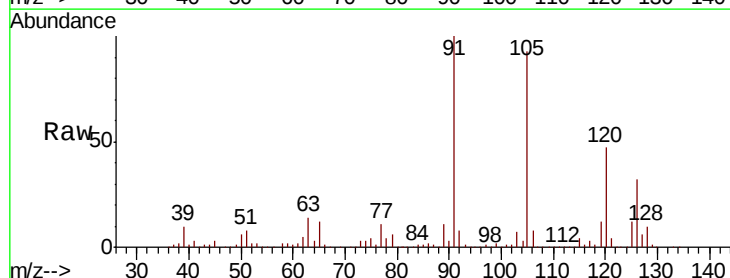
Acq: 07 Sep 2018 14:11

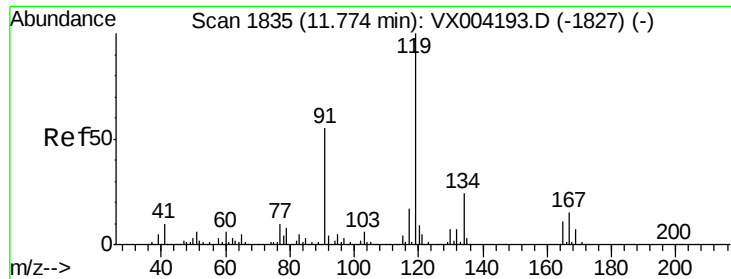
Tgt Ion: 91 Resp: 312735

Ion Ratio Lower Upper

91 100

126 31.3 15.5 46.5





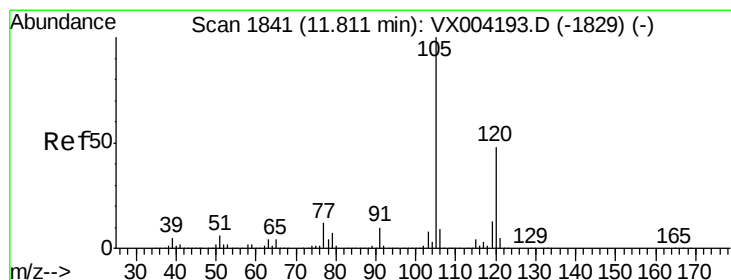
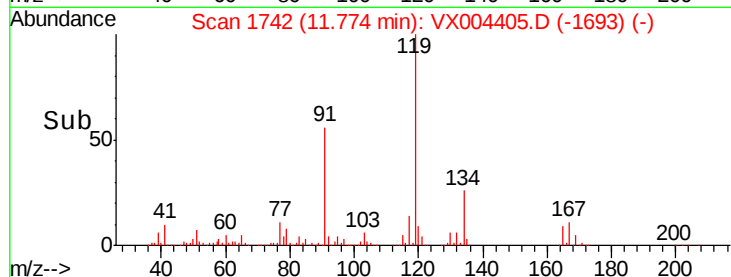
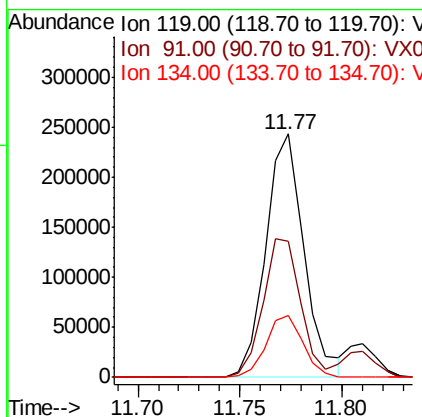
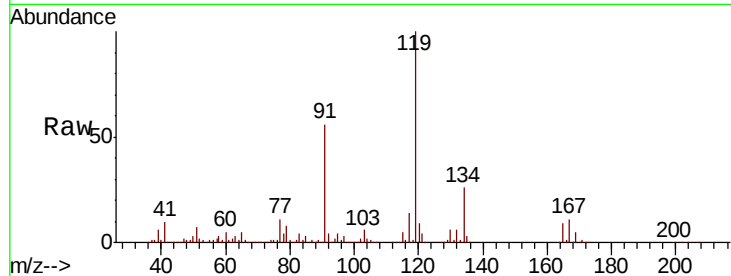
#83
tert-Butylbenzene
Concen: 20.10 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	317795		
91	55.9		27.0	81.0
134	24.5		11.7	35.1

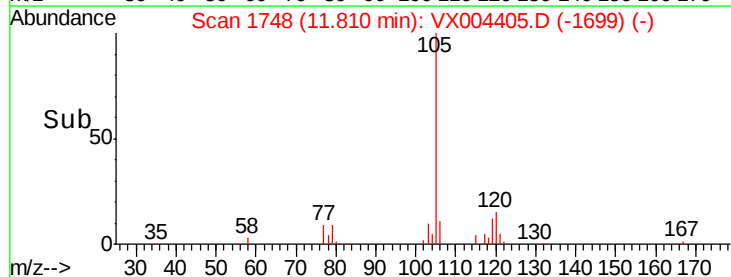
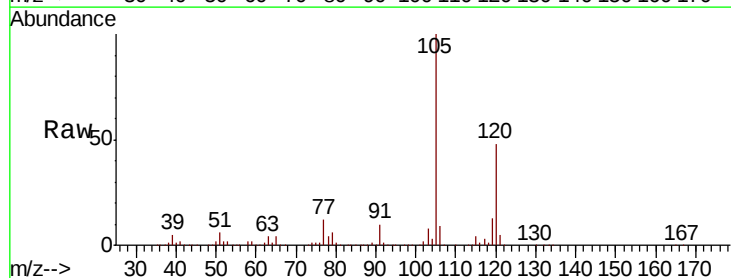
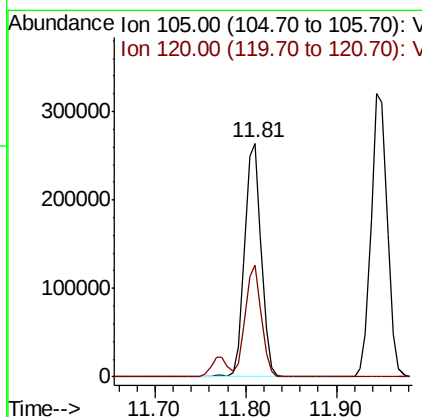
Manual Integrations
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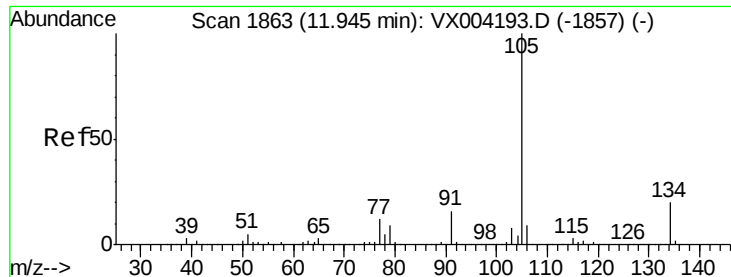
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.79 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	335463		
120	46.5		23.2	69.6





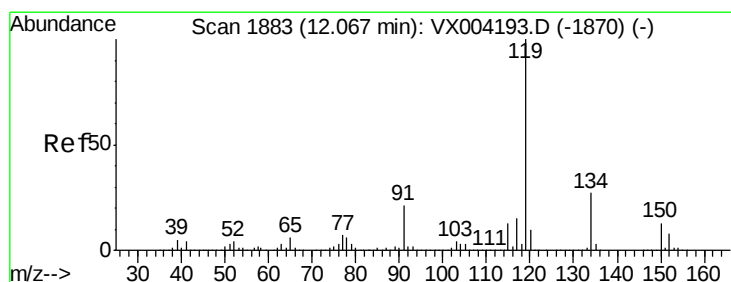
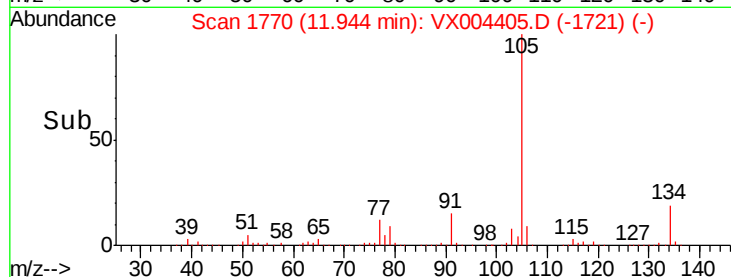
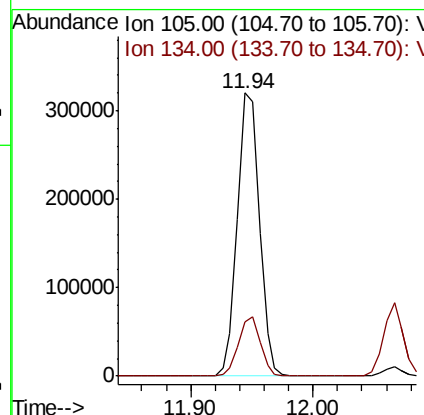
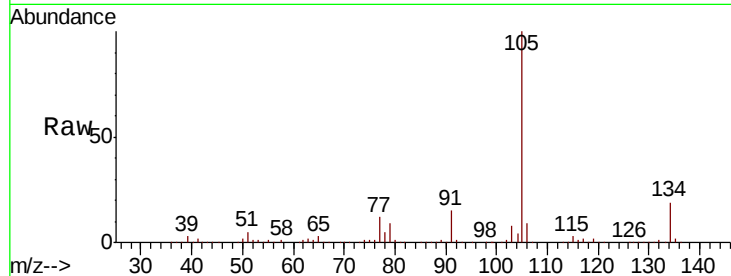
#85
 sec-Butylbenzene
 Concen: 21.23 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX004405.D
 Acq: 07 Sep 2018 14:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.5	31.5

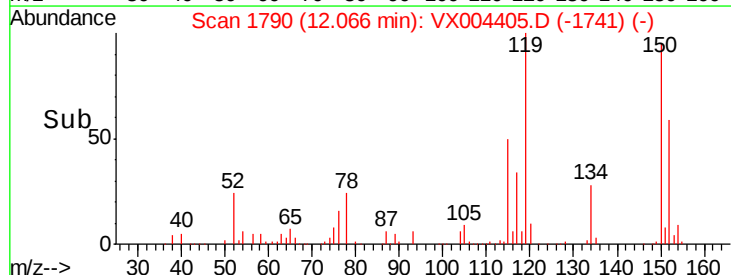
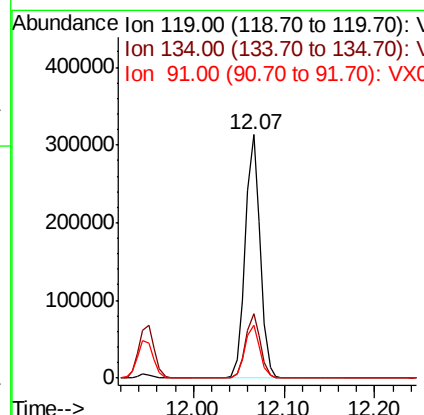
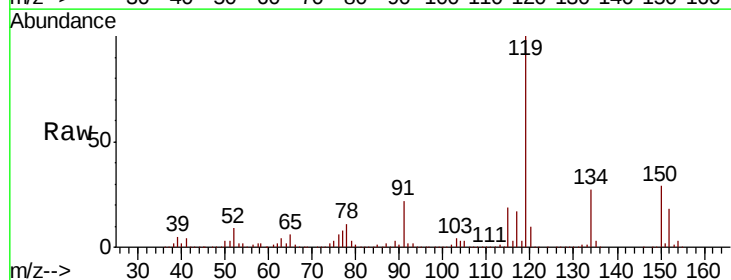
Manual Integrations
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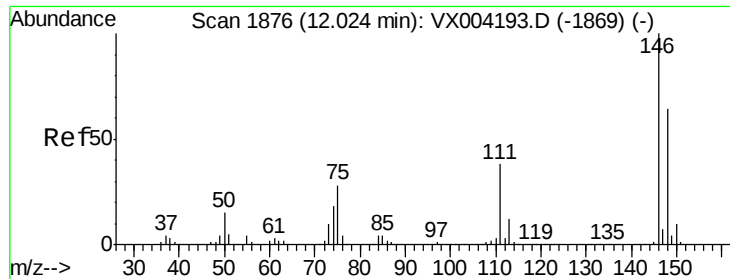
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 21.16 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX004405.D
 Acq: 07 Sep 2018 14:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.2
91	21.8	10.9	32.7





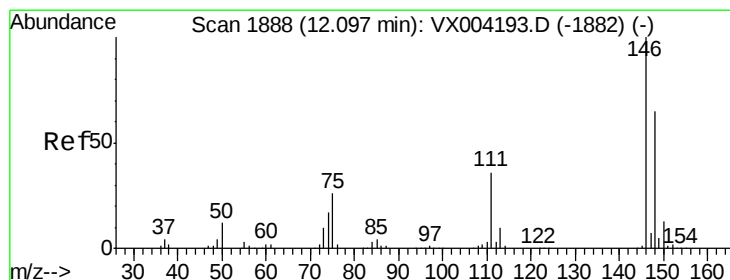
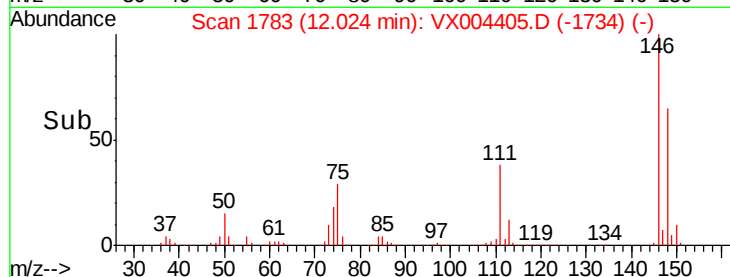
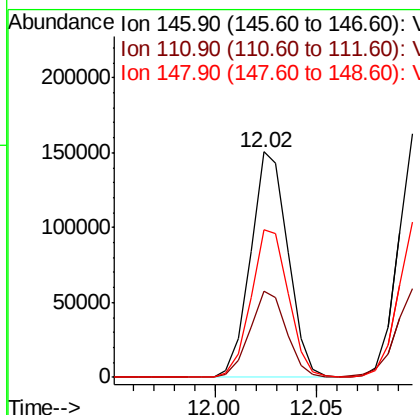
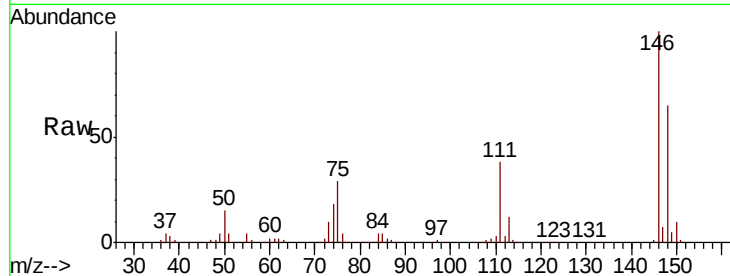
#87
 1,3-Dichlorobenzene
 Concen: 19.14 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX004405.D
 Acq: 07 Sep 2018 14:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.7	56.1
148	65.8	32.1	96.5

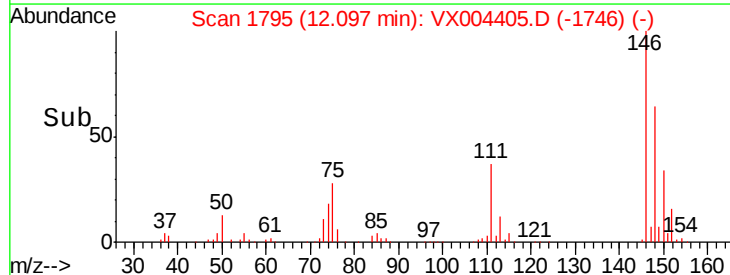
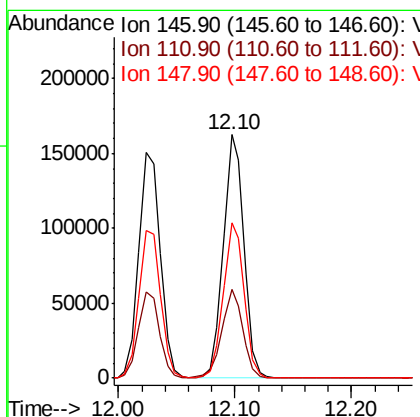
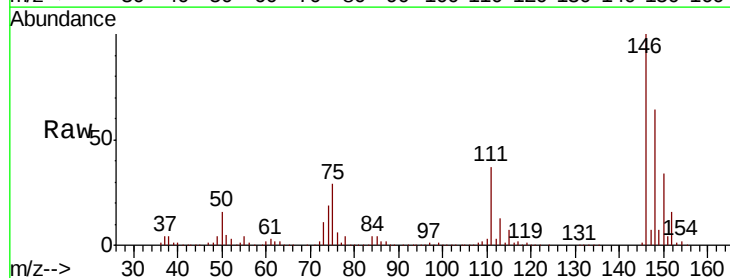
Manual Integrations
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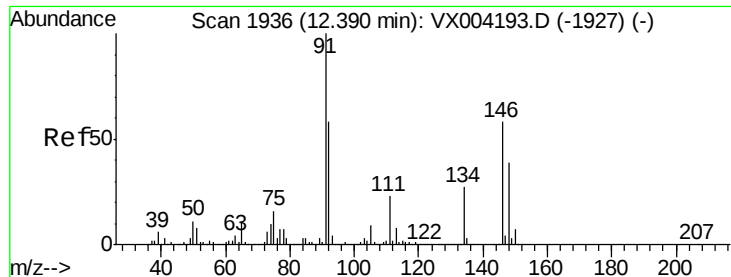
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#88
 1,4-Dichlorobenzene
 Concen: 18.68 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004405.D
 Acq: 07 Sep 2018 14:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.1
148	64.2	32.0	96.0





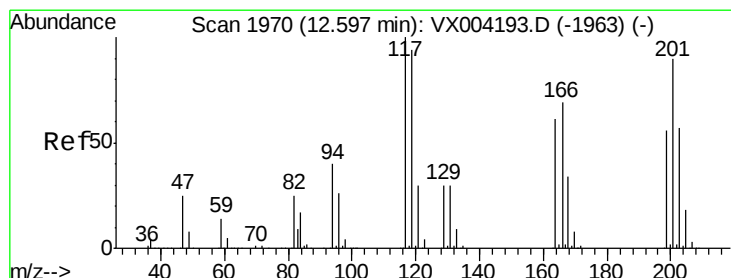
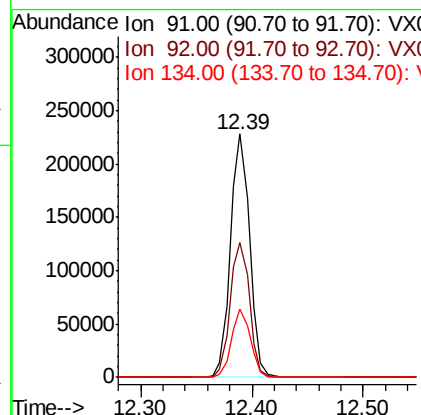
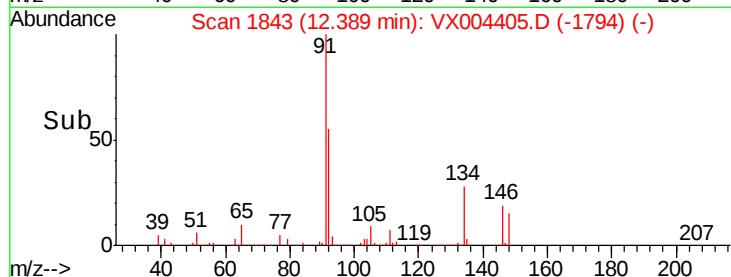
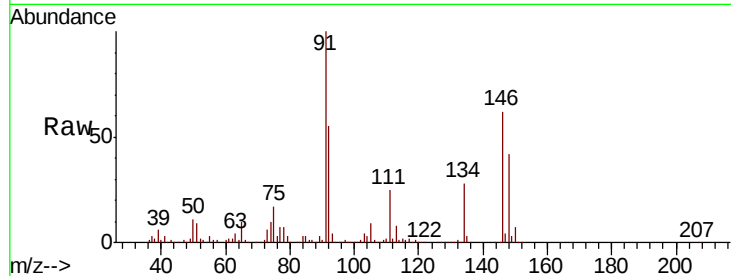
#89
n-Butylbenzene
Concen: 19.81 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.7	27.3	81.9
134	27.7	13.6	40.7

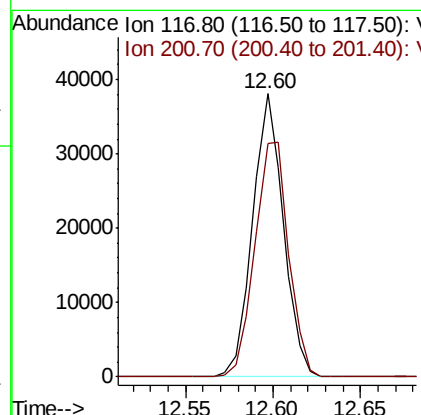
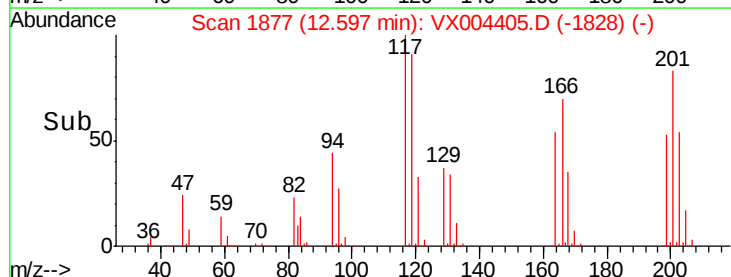
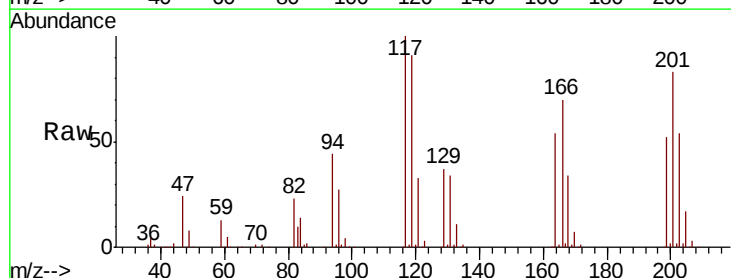
Manual Integrations
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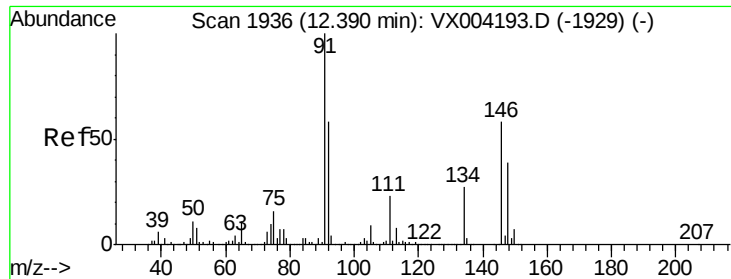
MMDadoda
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#90
Hexachloroethane
Concen: 19.77 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.3	46.9	140.6





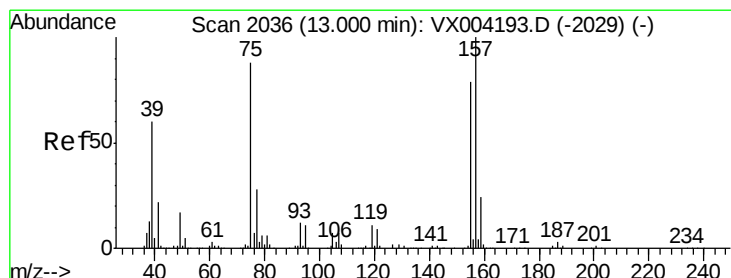
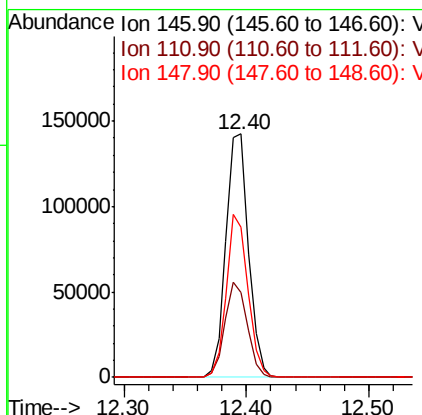
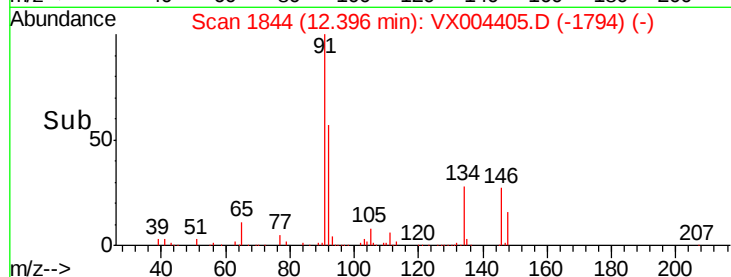
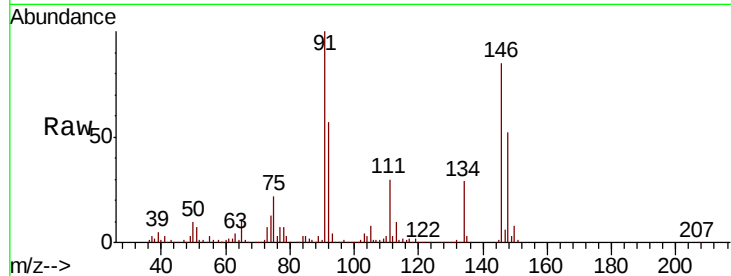
#91
 1,2-Dichlorobenzene
 Concen: 19.74 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX004405.D
 Acq: 07 Sep 2018 14:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	180816		
111	38.9	19.4	58.1	
148	64.0	32.8	98.3	

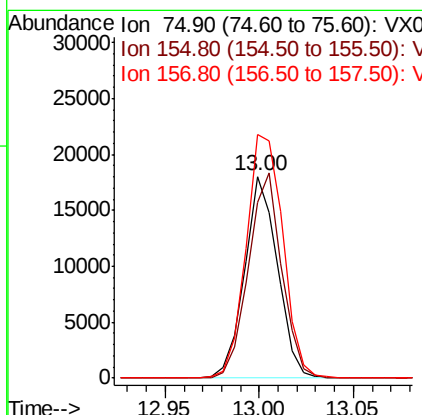
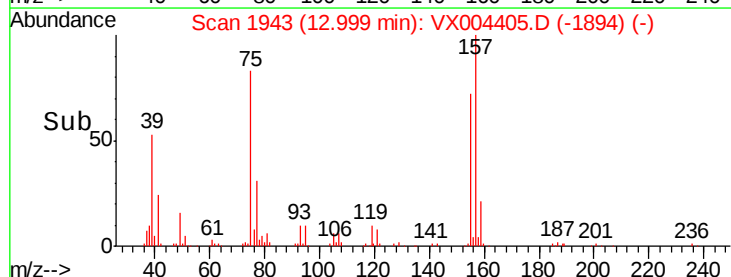
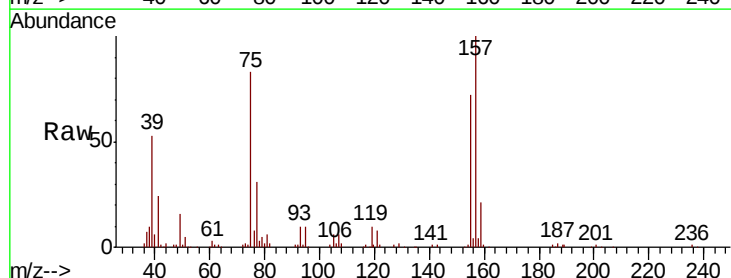
Manual Integrations
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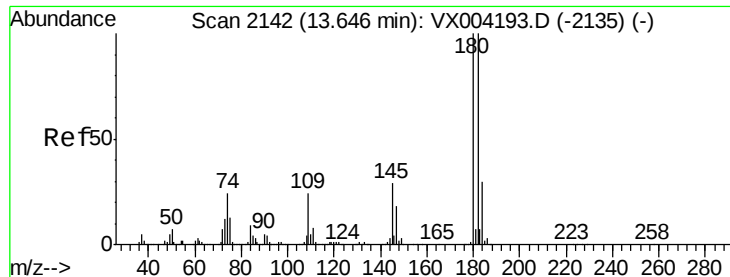
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 9/10/2018 11:15:27 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.72 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004405.D
 Acq: 07 Sep 2018 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21894		
155	102.7	48.0	144.2	
157	134.5	61.4	184.1	





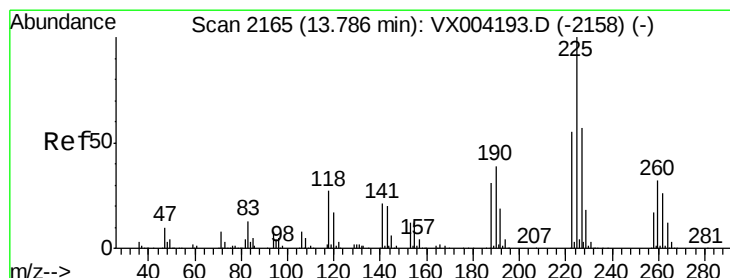
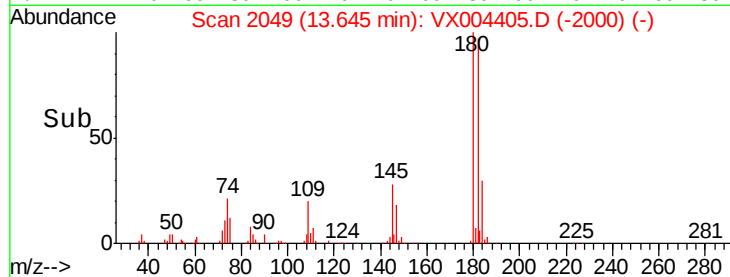
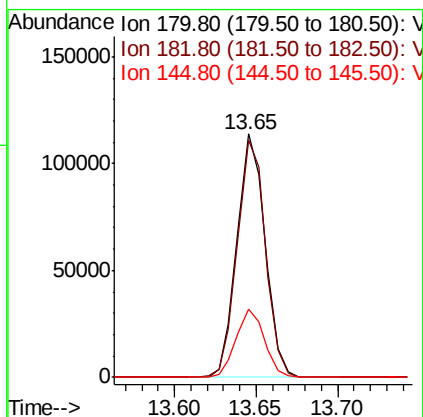
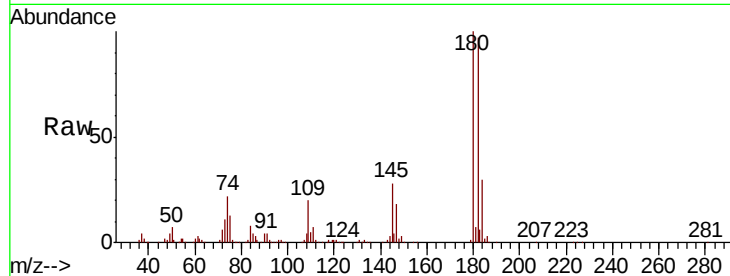
#93
 1,2,4-Trichlorobenzene
 Concen: 20.58 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004405.D
 Acq: 07 Sep 2018 14:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	137149		
182	97.5	48.4	145.0	
145	28.1	14.3	42.9	

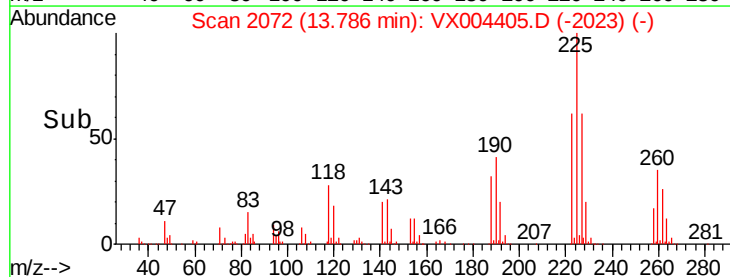
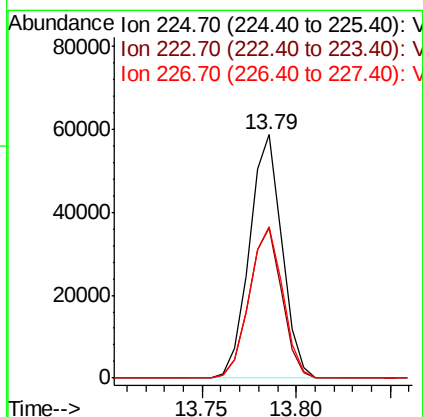
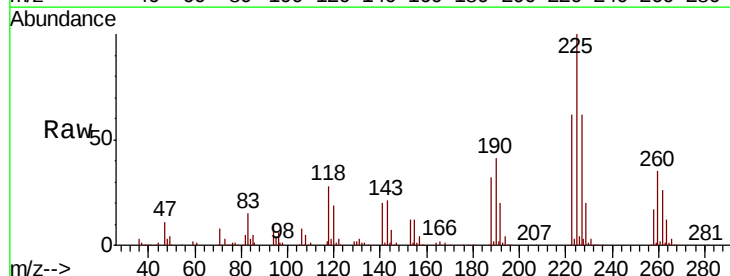
Manual Integrations
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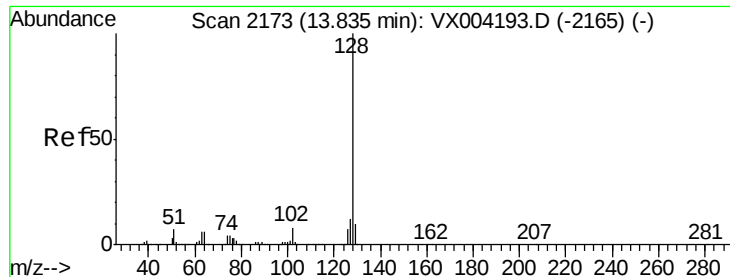
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#94
 Hexachlorobutadiene
 Concen: 22.55 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004405.D
 Acq: 07 Sep 2018 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70175		
223	61.8	30.1	90.5	
227	64.0	30.8	92.4	





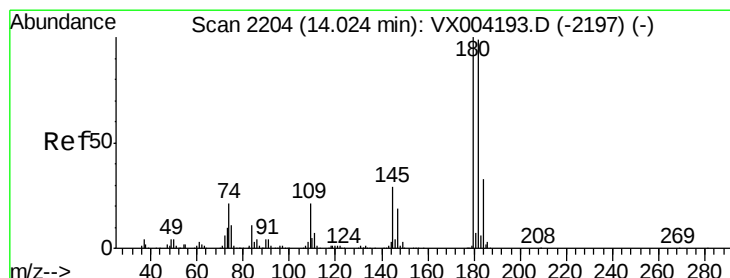
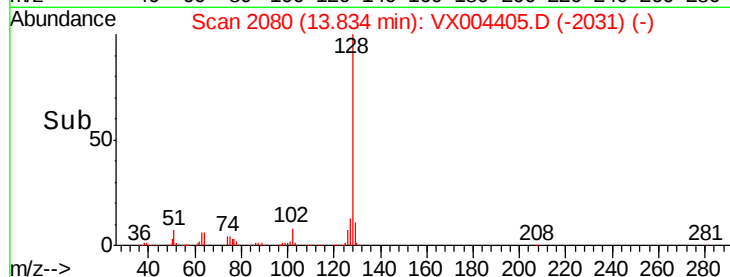
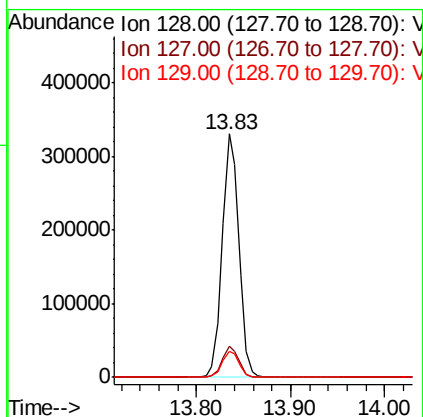
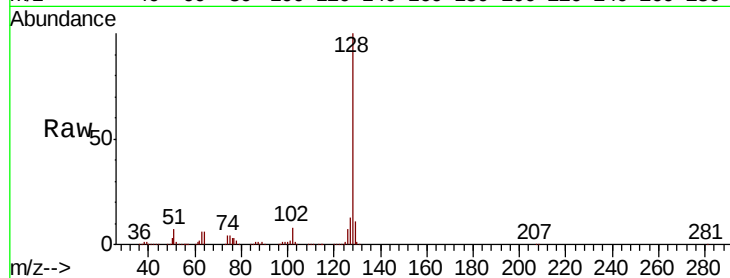
#95
Naphthalene
Concen: 21.50 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0907MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	405369		
127	12.7		10.2	15.2
129	10.9		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.61 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004405.D
Acq: 07 Sep 2018 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	145460		
182	95.6		48.5	145.6
145	30.0		14.9	44.9

