

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090518\
 Data File : VX004365.D
 Acq On : 05 Sep 2018 12:15
 Operator : JC/MD
 Sample : VX0905MBS01
 Misc : 5.0uL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/6/2018 12:48:25 PM

Quant Time: Sep 06 01:11:12 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	320874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	469426	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	423351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	268953	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	191579	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
35) Dibromofluoromethane	5.50	113	163098	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
50) Toluene-d8	8.71	98	616824	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
62) 4-Bromofluorobenzene	11.14	95	228526	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	67001	18.03	ug/l	99
3) Chloromethane	1.32	50	75662	18.60	ug/l	100
4) Vinyl Chloride	1.40	62	79111	18.82	ug/l	100
5) Bromomethane	1.64	94	39364	17.68	ug/l	98
6) Chloroethane	1.71	64	53135	17.15	ug/l	95
7) Trichlorofluoromethane	1.92	101	106950	18.56	ug/l	94
8) Diethyl Ether	2.19	74	48330	19.59	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	69060	19.14	ug/l	100
10) Methyl Iodide	2.51	142	62166	18.23	ug/l	97
11) Tert butyl alcohol	3.07	59	92096	103.31	ug/l	100
12) 1,1-Dichloroethene	2.37	96	63848	18.78	ug/l	97
13) Acrolein	2.29	56	21231	98.78	ug/l	95
14) Allyl chloride	2.73	41	126022	20.18	ug/l	96
15) Acrylonitrile	3.15	53	225124	101.97	ug/l	100
16) Acetone	2.45	43	193306	108.66	ug/l	99
17) Carbon Disulfide	2.57	76	150395	16.47	ug/l	99
18) Methyl Acetate	2.78	43	162145	26.13	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	228456	20.39	ug/l	97
20) Methylene Chloride	2.85	84	77193	19.17	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	68607	18.23	ug/l	96
22) Diisopropyl ether	3.87	45	236427	20.28	ug/l	99
23) Vinyl Acetate	3.82	43	883922	93.53	ug/l	100
24) 1,1-Dichloroethane	3.69	63	132953	19.56	ug/l	98
25) 2-Butanone	4.70	43	292672	102.76	ug/l	100
26) 2,2-Dichloropropane	4.58	77	102601	19.25	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	81318	19.06	ug/l	99
28) Bromochloromethane	5.01	49	59521	19.78	ug/l	100
29) Tetrahydrofuran	5.16	42	183593	102.17	ug/l	100
30) Chloroform	5.21	83	133370	19.57	ug/l	100
31) Cyclohexane	5.57	56	109818	18.73	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	109600	19.29	ug/l	99
36) 1,1-Dichloropropene	5.79	75	97017	18.38	ug/l	98
37) Ethyl Acetate	4.86	43	101203	19.50	ug/l	99
38) Carbon Tetrachloride	5.78	117	92719	18.68	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	110299	18.31	ug/l	98
40) Benzene	6.14	78	304521	19.31	ug/l	100
41) Methacrylonitrile	5.06	41	61401	20.41	ug/l	99
42) 1,2-Dichloroethane	6.20	62	102749	19.10	ug/l	99
43) Isopropyl Acetate	6.46	43	157106	19.70	ug/l	99
44) Trichloroethene	7.21	130	81648	18.70	ug/l	96
45) 1,2-Dichloropropane	7.52	63	77805	19.71	ug/l	98
46) Dibromomethane	7.66	93	49786	18.95	ug/l	99
47) Bromodichloromethane	7.90	83	93897	19.20	ug/l	99
48) Methyl methacrylate	7.78	41	83866	19.65	ug/l	99
49) 1,4-Dioxane	7.76	88	39493	407.61	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	560531	96.73	ug/l	100
52) Toluene	8.79	92	194363	19.69	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	102891	19.05	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	117206	19.92	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	80249	20.14	ug/l	99
56) Ethyl methacrylate	9.18	69	108018	19.91	ug/l	99
57) 1,3-Dichloropropane	9.37	76	134071	19.96	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	270353	97.27	ug/l	99
59) 2-Hexanone	9.50	43	426506	96.48	ug/l	99
60) Dibromochloromethane	9.59	129	73402	18.91	ug/l	99
61) 1,2-Dibromoethane	9.67	107	81073	19.66	ug/l	98
64) Tetrachloroethene	9.34	164	86496	20.68	ug/l	99
65) Chlorobenzene	10.14	112	211736	19.93	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	69846	19.06	ug/l	98
67) Ethyl Benzene	10.25	91	345533	20.02	ug/l	98
68) m/p-Xylenes	10.36	106	266878	39.55	ug/l	98
69) o-Xylene	10.70	106	130459	20.44	ug/l	99
70) Styrene	10.71	104	220144	21.30	ug/l	99
71) Bromoform	10.86	173	55400	18.75	ug/l #	99
73) Isopropylbenzene	11.02	105	367631	20.81	ug/l	100
74) N-amyl acetate	10.90	43	132472	19.48	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	118695	19.20	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	108858m	19.90	ug/l	
77) Bromobenzene	11.26	156	98528	19.88	ug/l	98
78) n-propylbenzene	11.36	91	418295	20.59	ug/l	100
79) 2-Chlorotoluene	11.42	91	250576	20.04	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	303991	20.78	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	31264	18.54	ug/l	96
82) 4-Chlorotoluene	11.51	91	292107	19.85	ug/l	100
83) tert-Butylbenzene	11.77	119	299604	20.36	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	309061	20.58	ug/l	98
85) sec-Butylbenzene	11.94	105	369976	21.17	ug/l	100
86) p-Isopropyltoluene	12.07	119	328666	20.99	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	177720	19.05	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	182549	18.56	ug/l	99
89) n-Butylbenzene	12.39	91	248643	19.53	ug/l	98
90) Hexachloroethane	12.60	117	42338	19.34	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	162295	19.03	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20523	18.85	ug/l	98

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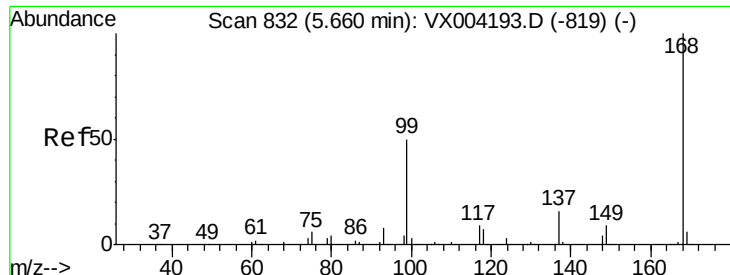
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	126219	20.34	ug/l	99
94) Hexachlorobutadiene	13.79	225	66461	22.95	ug/l	96
95) Naphthalene	13.83	128	382486	21.80	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	134072	20.41	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampled :

VX0905MBS01

Tot Ion:168 Resp: 320874

Ion Ratio Lower Upper

168 100

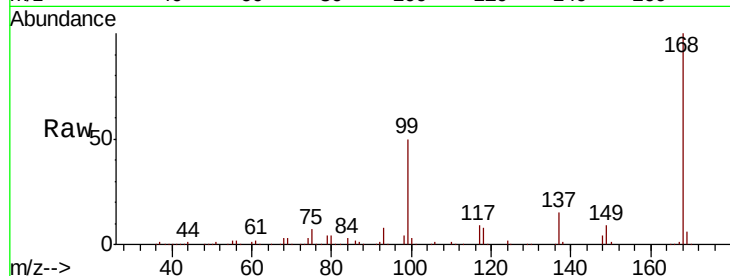
99 50.1 39.9 59.9

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

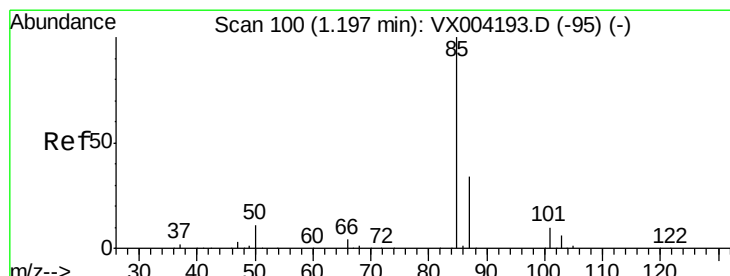
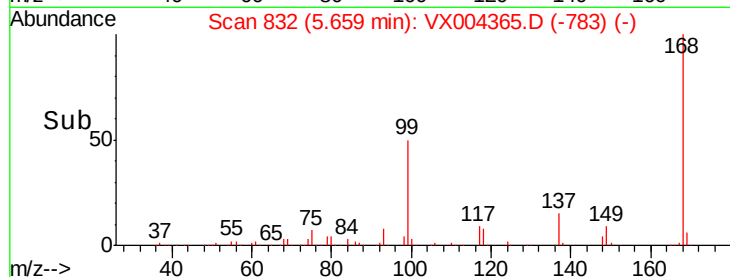
5.66

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.03 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004365.D

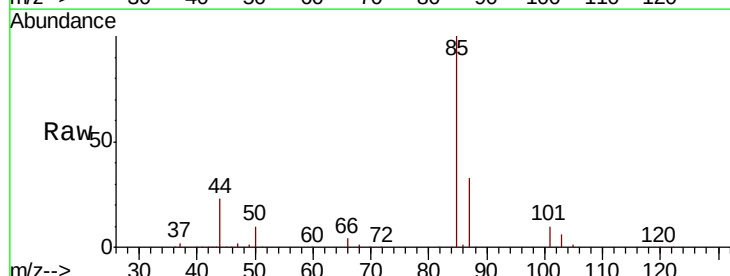
Acq: 05 Sep 2018 12:15

Tgt Ion: 85 Resp: 67001

Ion Ratio Lower Upper

85 100

87 33.1 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

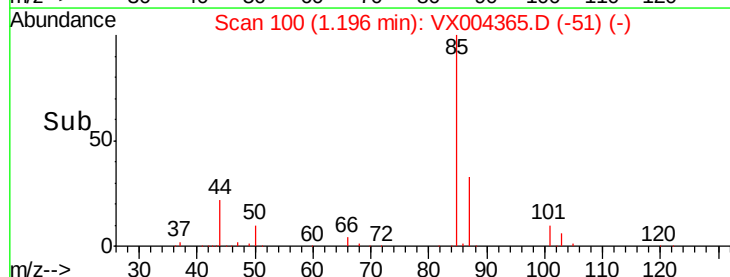
60000

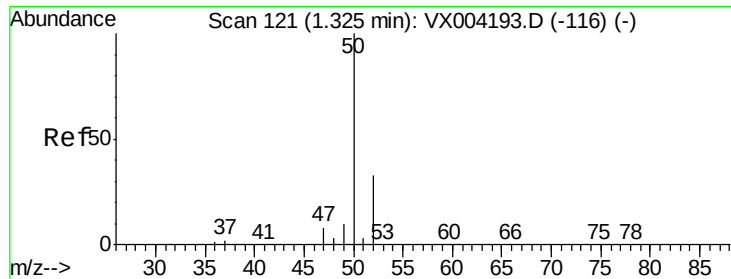
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.60 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

VX0905MBS01

Tot Ion: 50 Resp: 75662

Ion Ratio Lower Upper

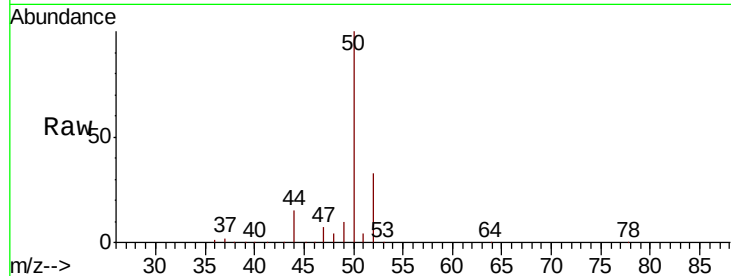
50 100

52 32.9 26.2 39.2

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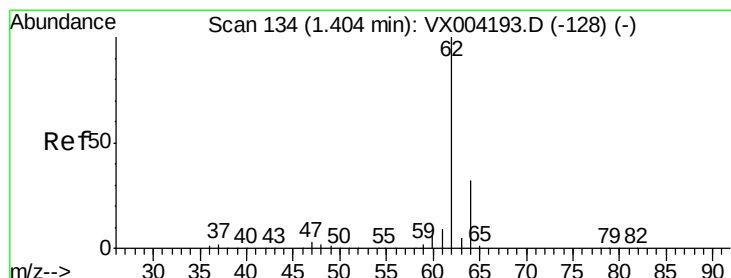
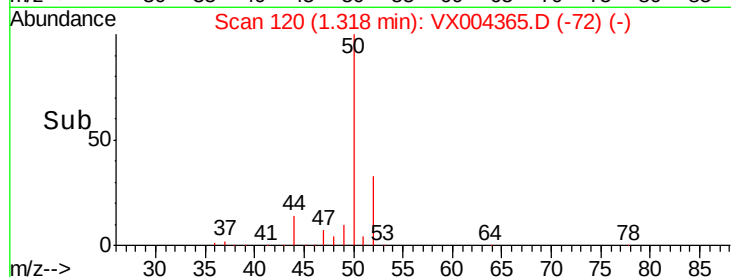
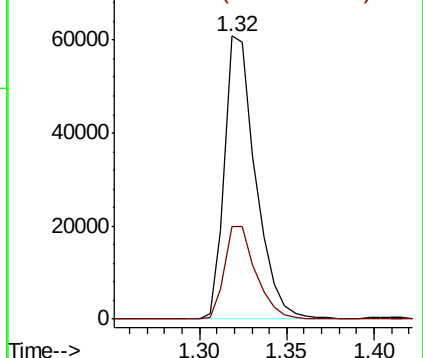
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.82 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004365.D

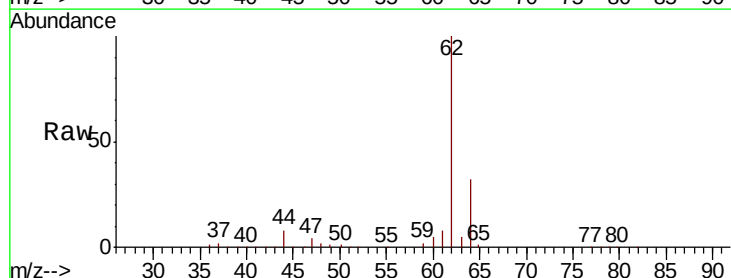
Acq: 05 Sep 2018 12:15

Tgt Ion: 62 Resp: 79111

Ion Ratio Lower Upper

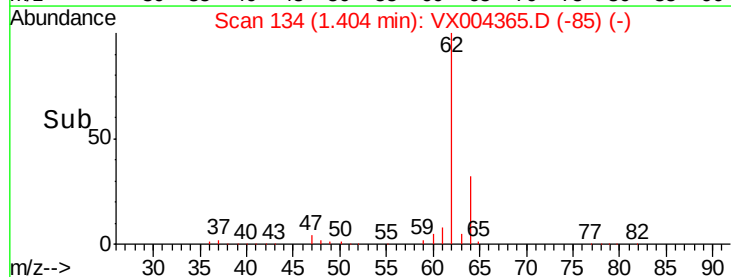
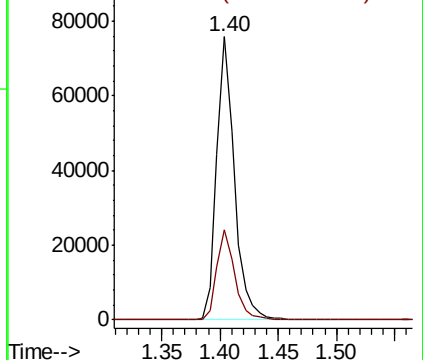
62 100

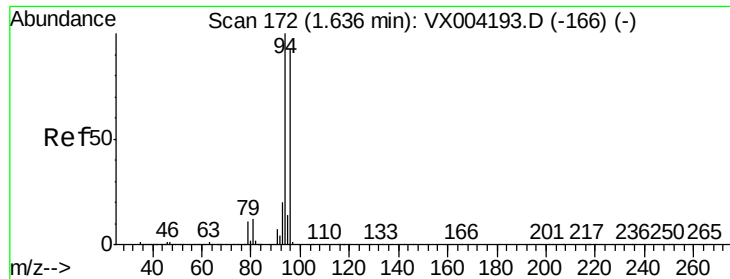
64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.68 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

VX0905MBS01

Tot Ion: 94 Resp: 39364

Ion Ratio Lower Upper

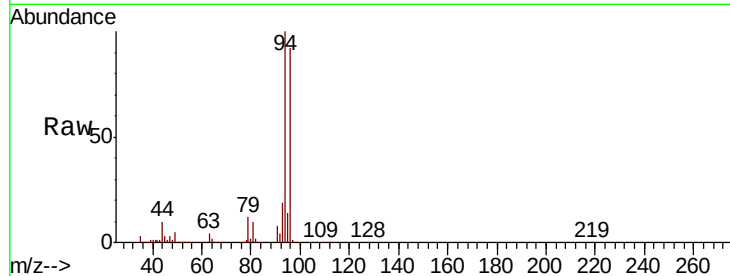
94 100

96 91.6 74.5 111.7

Manual Integrations
APPROVED

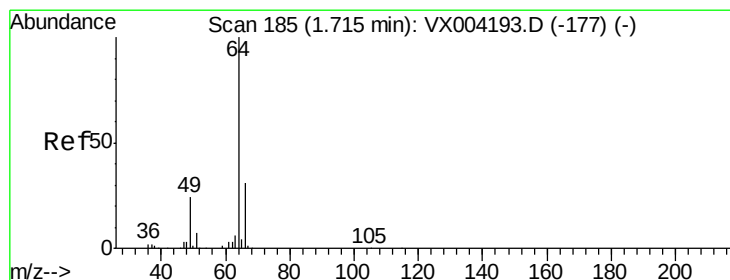
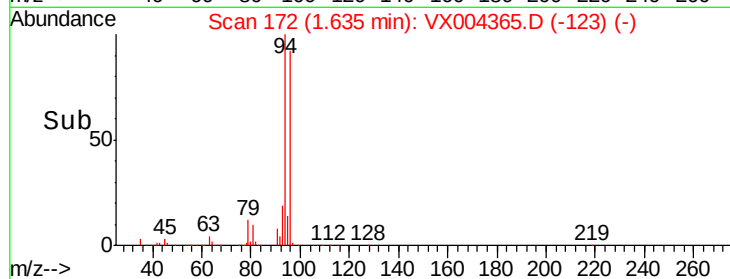
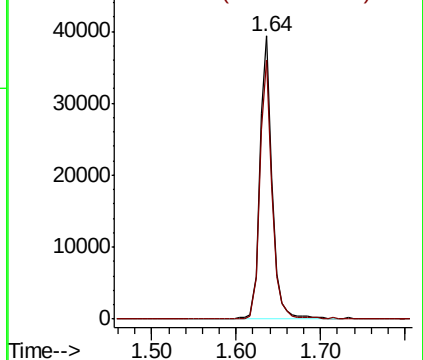
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.15 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX004365.D

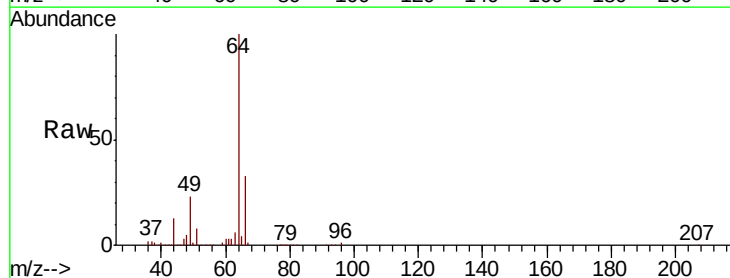
Acq: 05 Sep 2018 12:15

Tgt Ion: 64 Resp: 53135

Ion Ratio Lower Upper

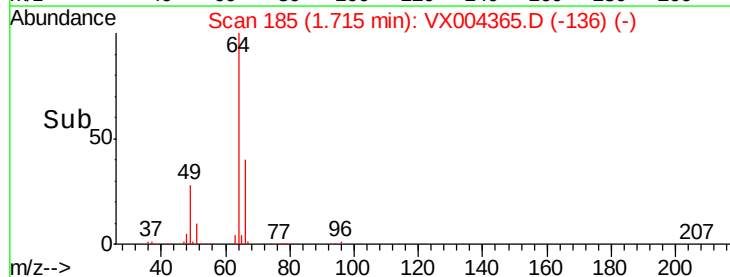
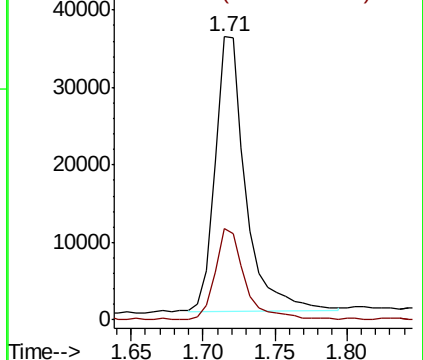
64 100

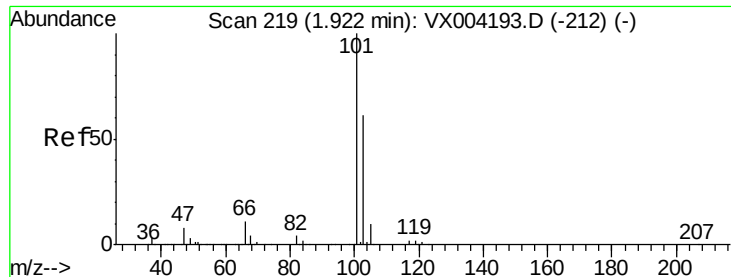
66 33.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

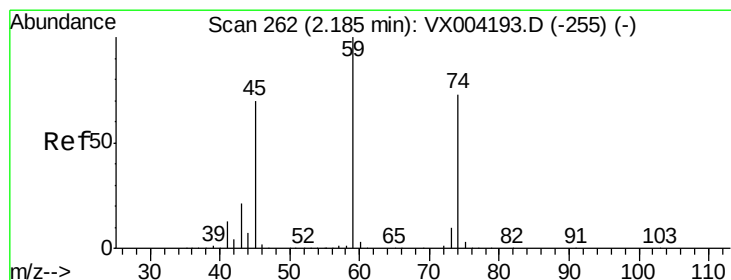
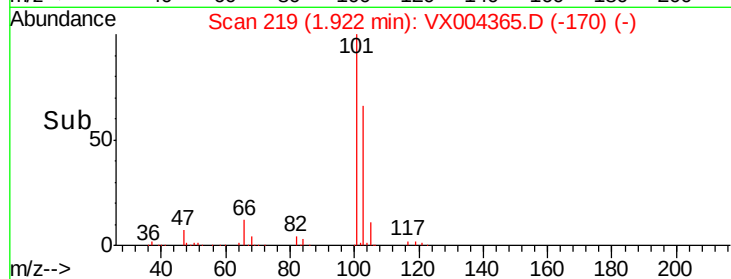
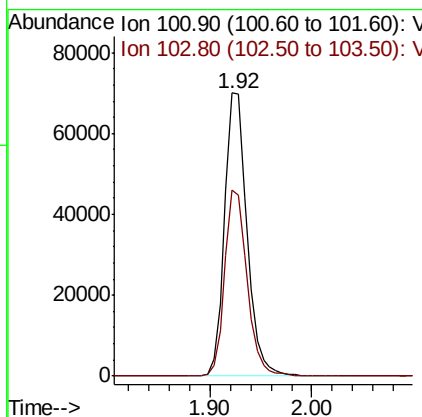
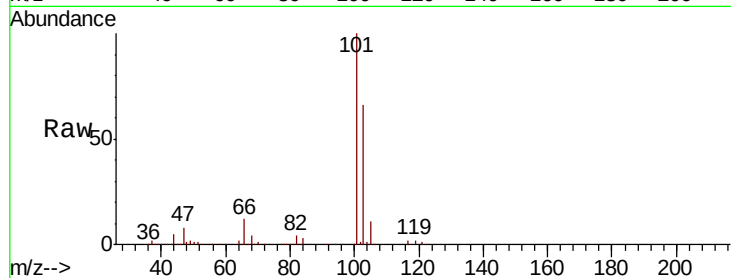
Trichlorofluoromethane
 Concen: 18.56 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Instrument :
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 ClientSampleId :
 VX0905MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	48.9	73.3

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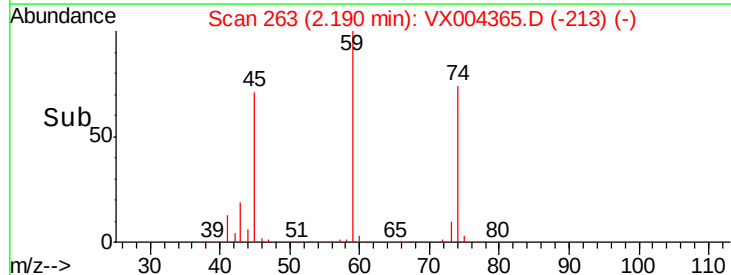
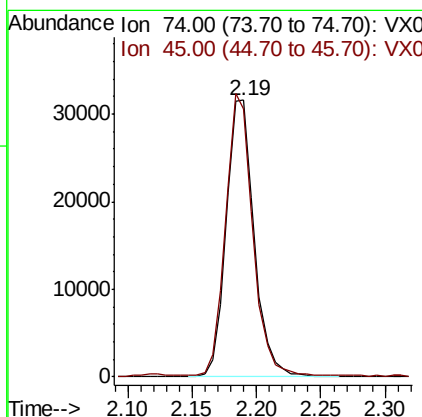
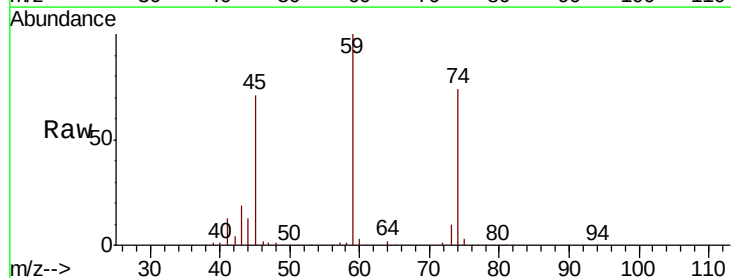
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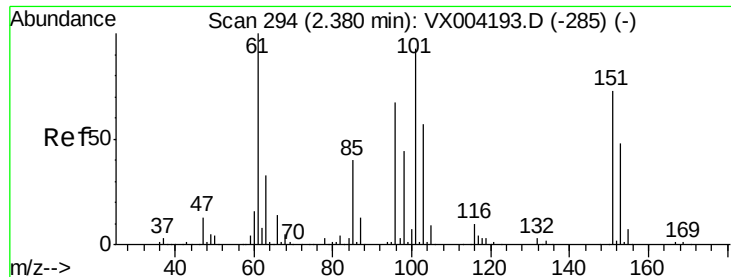


#8

Diethyl Ether
 Concen: 19.59 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.01 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.14 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

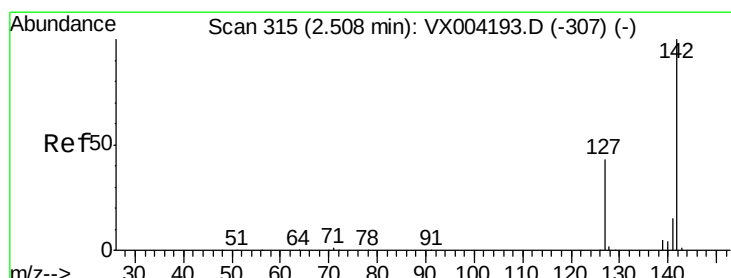
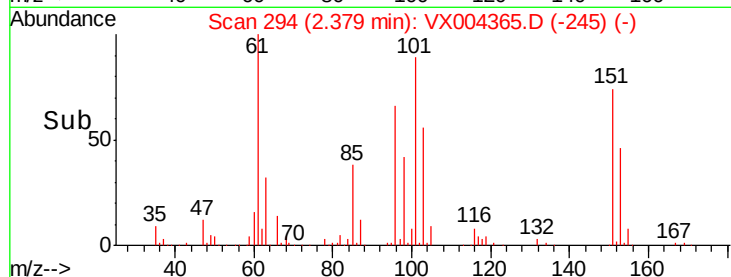
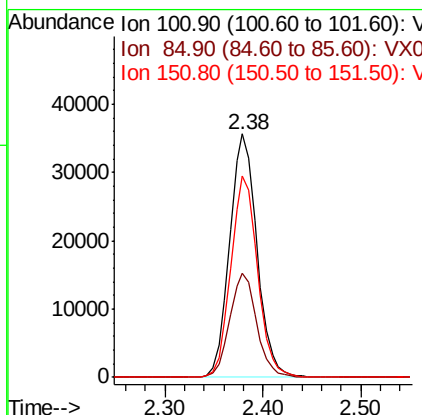
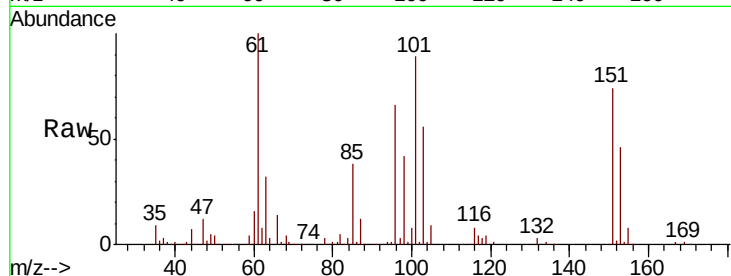
ClientSampleId :

VX0905MBS01

Tot Ion:	101	Resp:	69060
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.4
151	81.1	65.0	97.6

Manual Integrations
APPROVED

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#10

Methyl Iodide

Concen: 18.23 ug/l

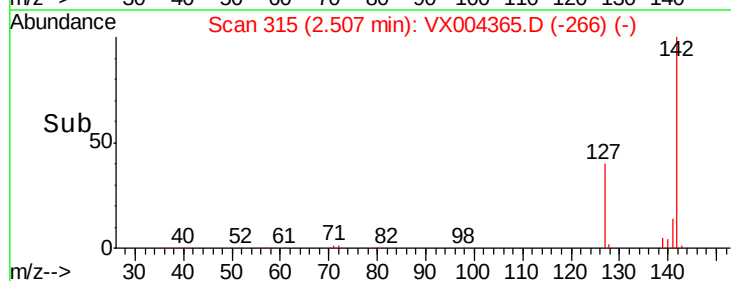
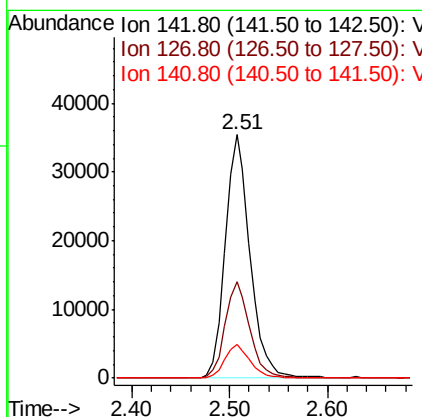
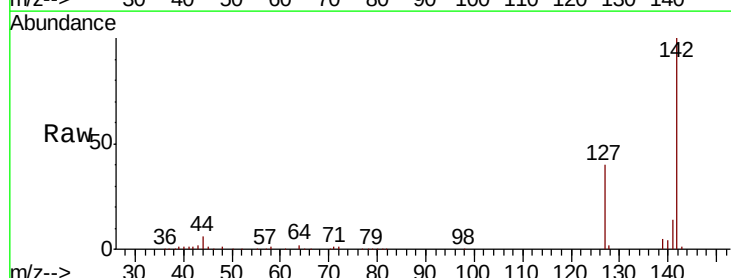
RT: 2.51 min Scan# 315

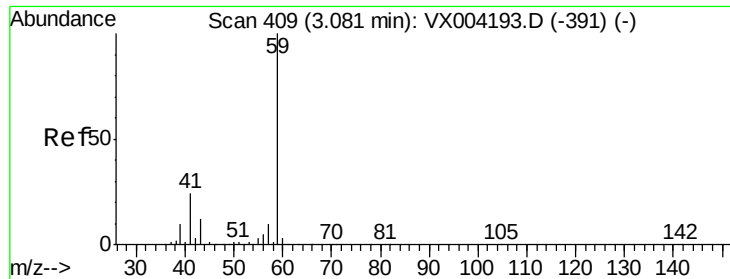
Delta R.T. 0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Tgt Ion:	142	Resp:	62166
Ion Ratio	Lower	Upper	
142	100		
127	39.7	33.8	50.6
141	14.1	11.4	17.0





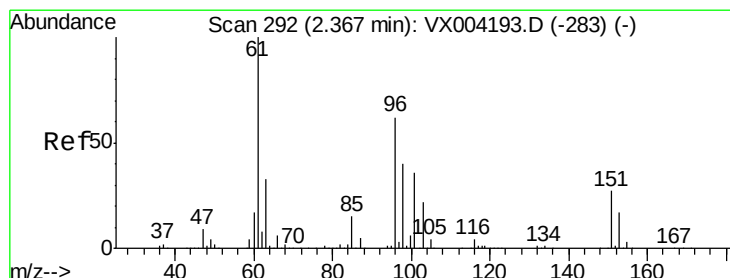
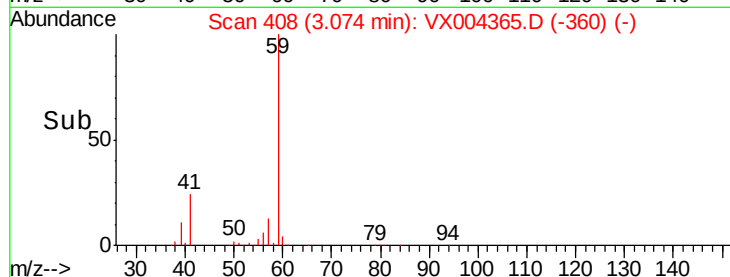
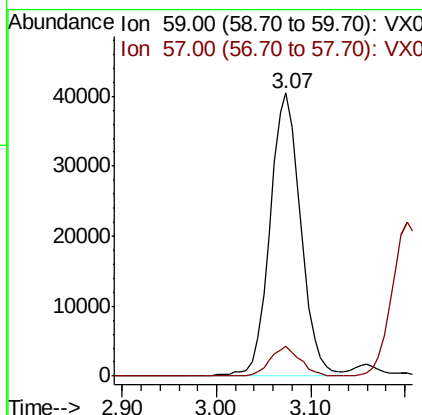
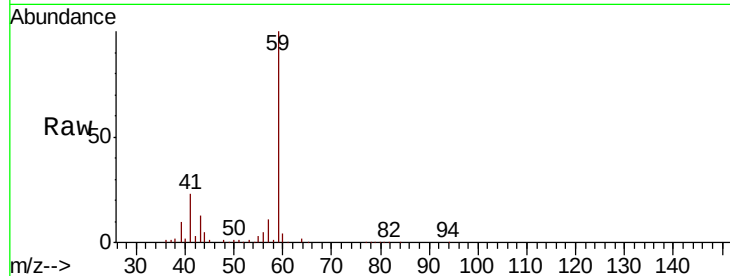
#11
Tert butyl alcohol
Concen: 103.31 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Instrument :
MSVOA_X
ClientSampled :
VX0905MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

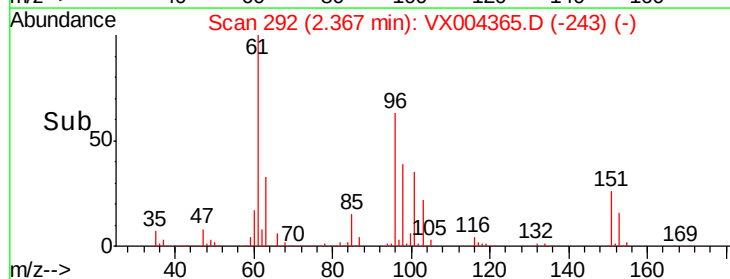
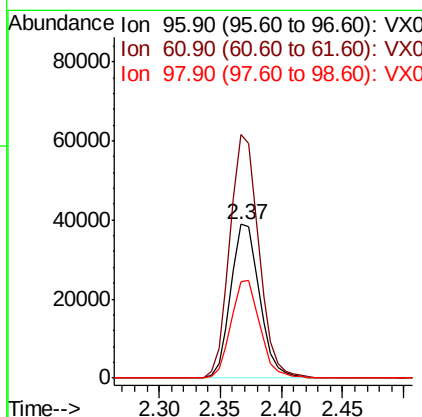
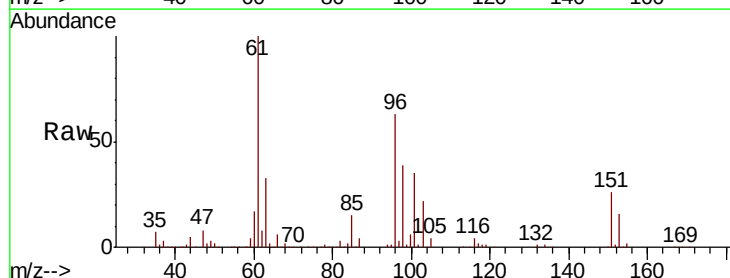
Manual Integrations
APPROVED

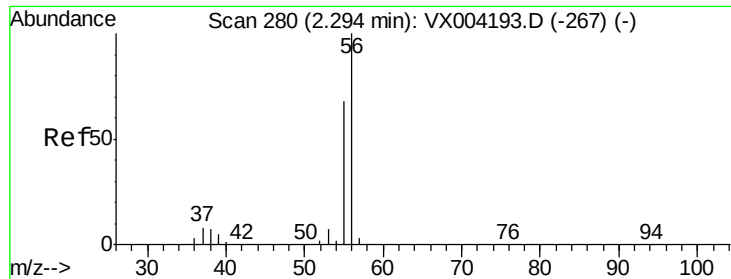
MMDadoda
9/6/2018 12:48:25 PM



#12
1,1-Dichloroethene
Concen: 18.78 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	128.8	193.2
98	62.4	52.2	78.2





#13

Acrolein

Concen: 98.78 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

VX0905MBS01

Tot Ion: 56 Resp: 21231

Ion Ratio Lower Upper

56 100

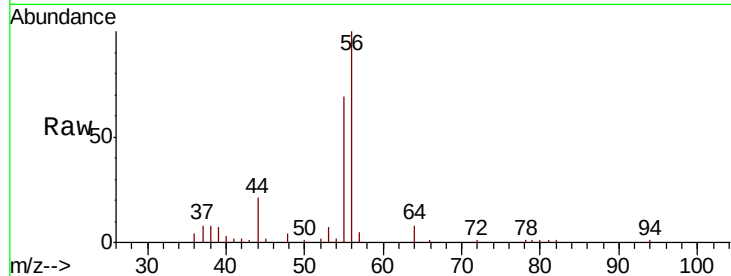
55 72.2 54.7 82.1

Manual Integrations

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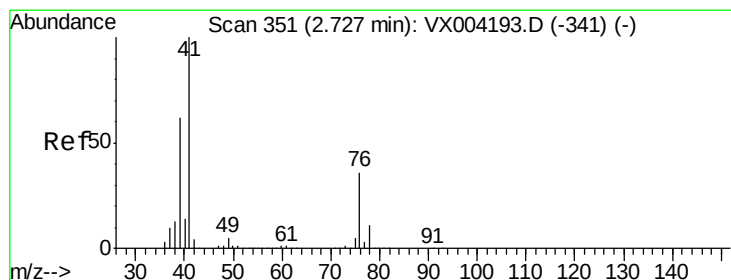
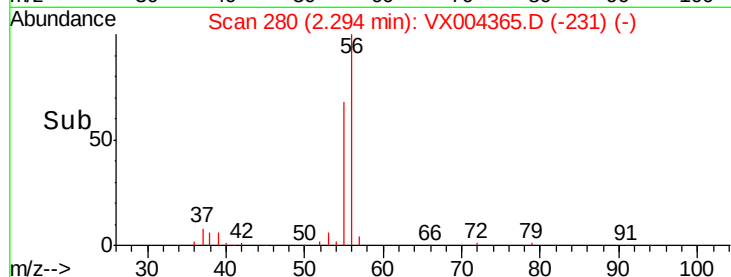
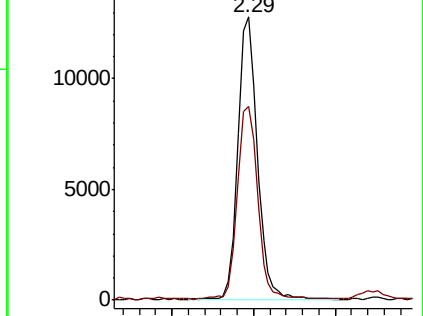
MMDadoda

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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: 20.18 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

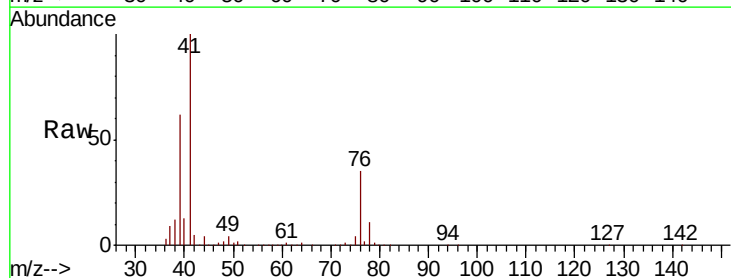
Tgt Ion: 41 Resp: 126022

Ion Ratio Lower Upper

41 100

39 57.9 48.9 73.3

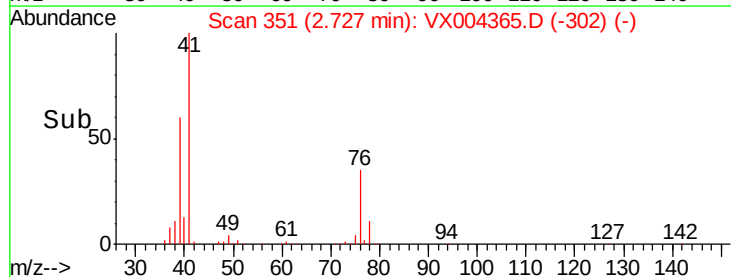
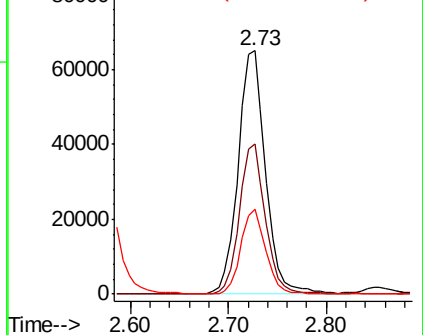
76 32.1 26.7 40.1

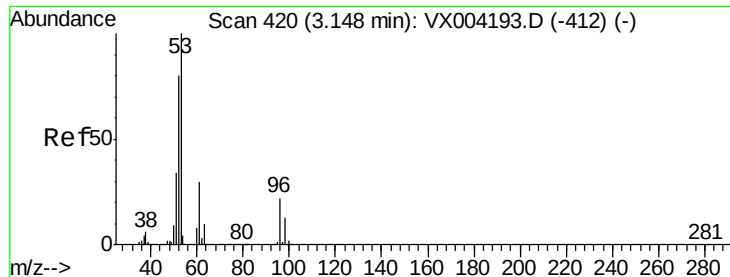


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 101.97 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

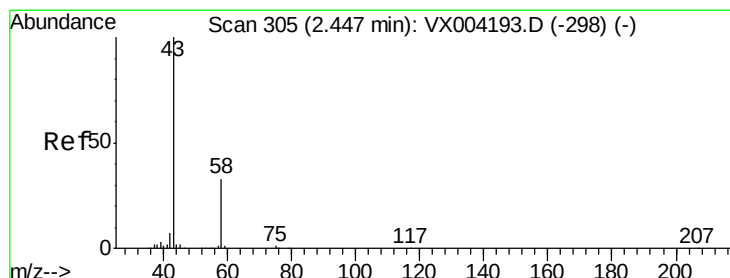
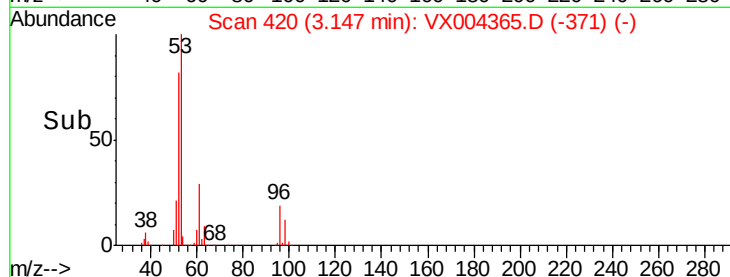
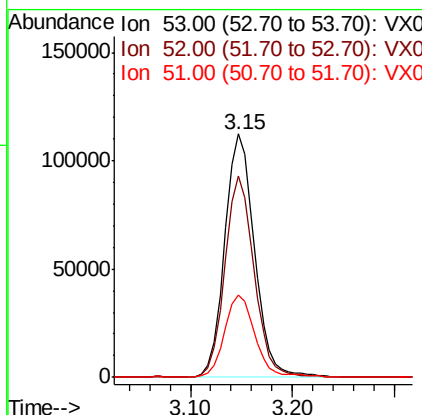
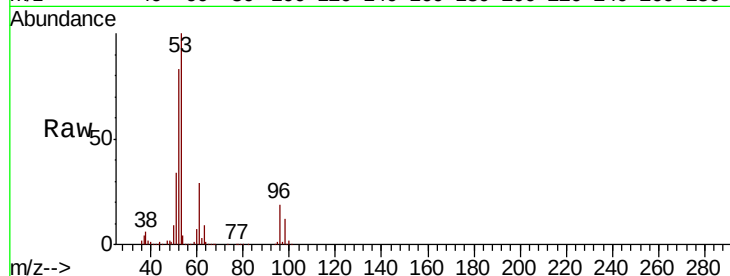
ClientSampled :

VX0905MBS01

Tot Ion:	53	Resp:	225124
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.2	97.8
51	35.1	28.2	42.2

Manual Integrations
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MMDadoda
9/6/2018 12:48:25 PM



#16

Acetone

Concen: 108.66 ug/l

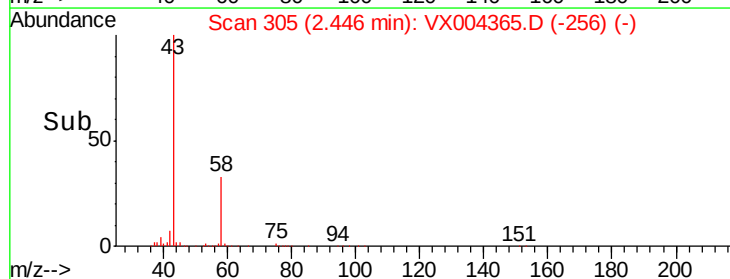
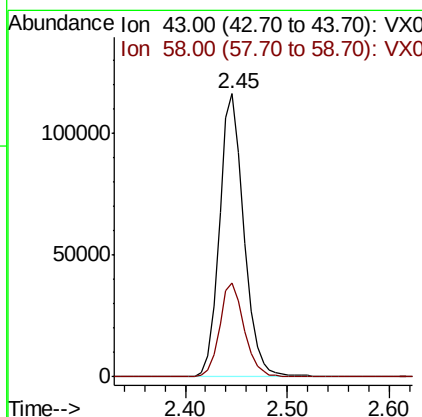
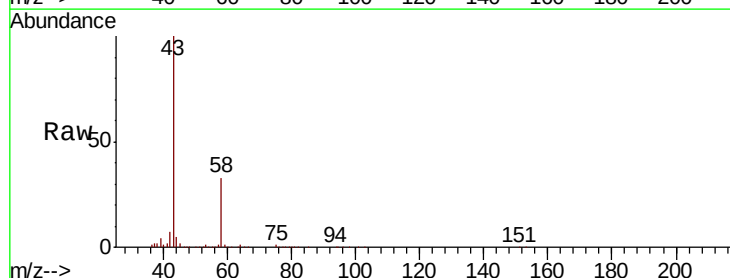
RT: 2.45 min Scan# 305

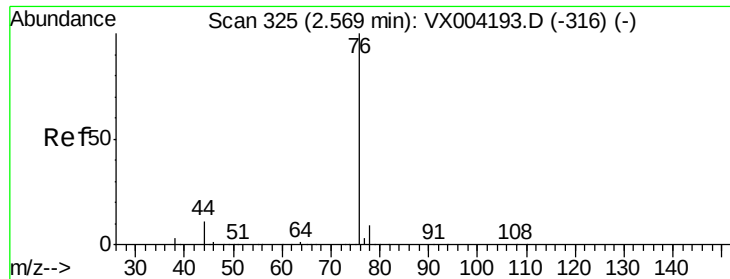
Delta R.T. 0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Tgt Ion:	43	Resp:	193306
Ion Ratio	Lower	Upper	
43	100		
58	33.2	26.2	39.4





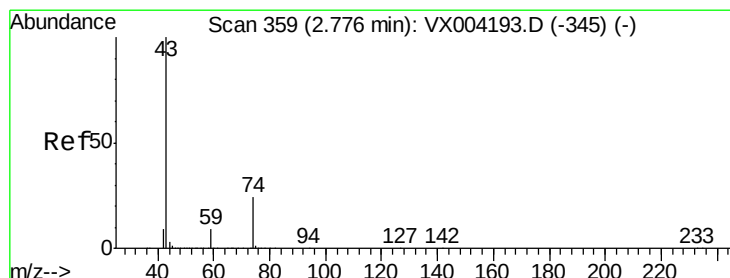
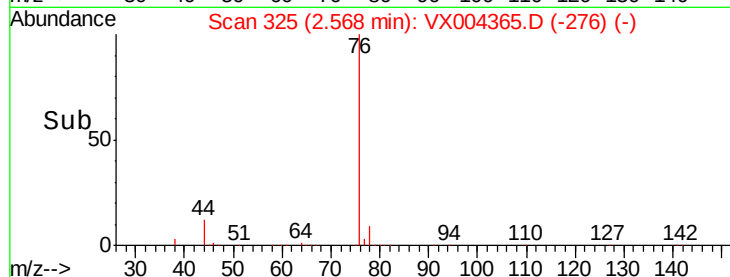
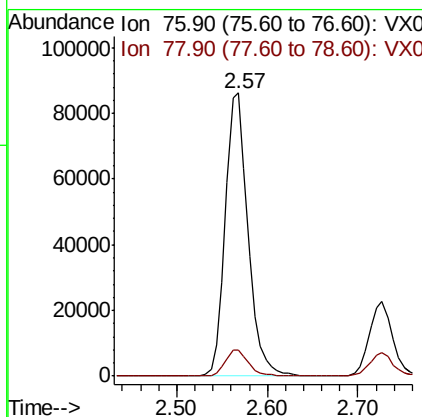
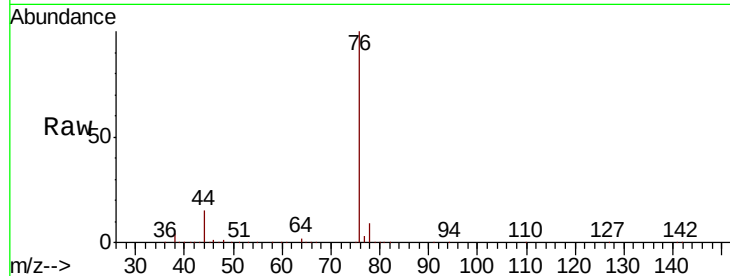
#17
Carbon Disulfide
Concen: 16.47 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Instrument :
MSVOA_X
ClientSampled :
VX0905MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

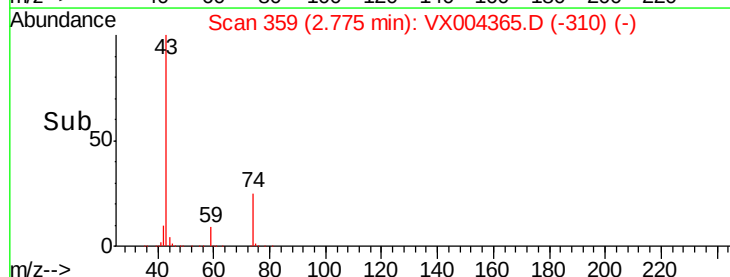
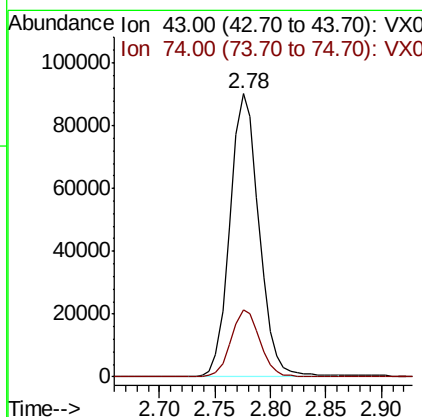
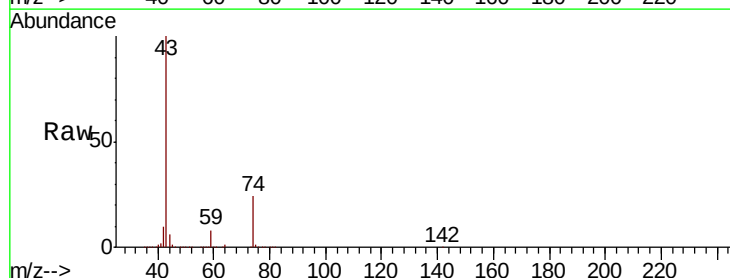
Manual Integrations
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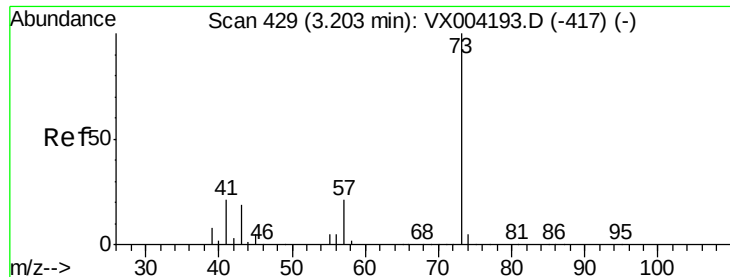
MMDadoda
9/6/2018 12:48:25 PM



#18
Methyl Acetate
Concen: 26.13 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.4	29.2





#19

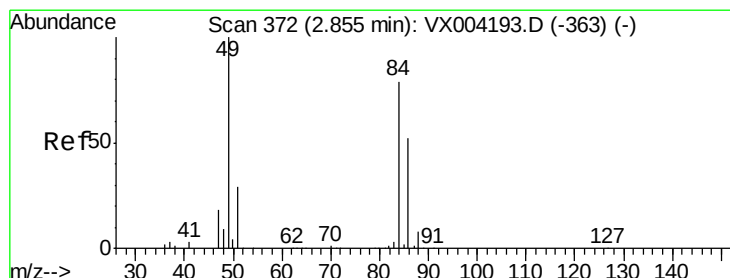
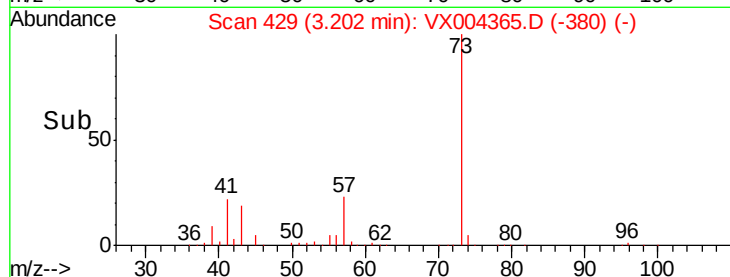
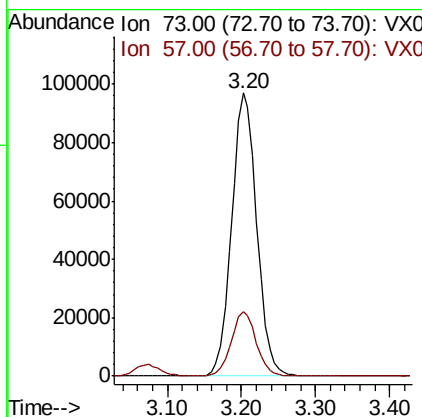
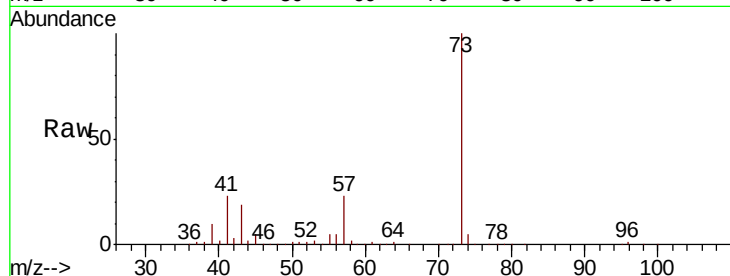
Methyl tert-butyl Ether
 Concen: 20.39 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Instrument :
 MSVOA_X
 ClientSampled :
 VX0905MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.1	25.7

Manual Integrations
 APPROVED

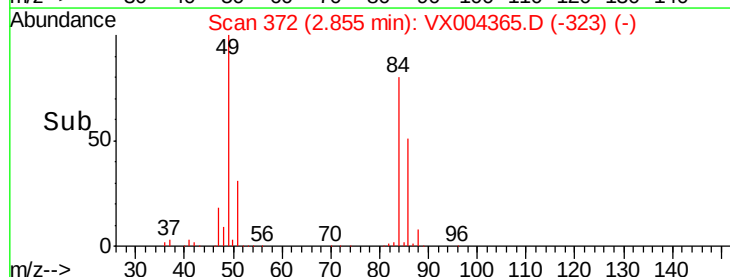
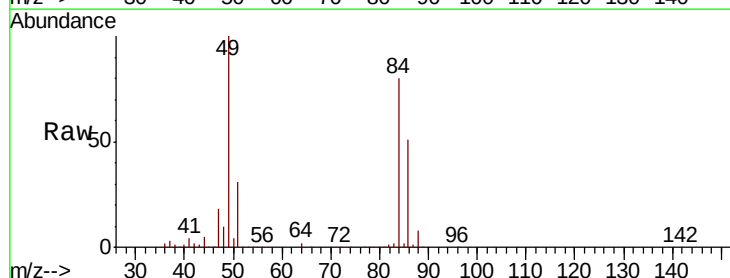
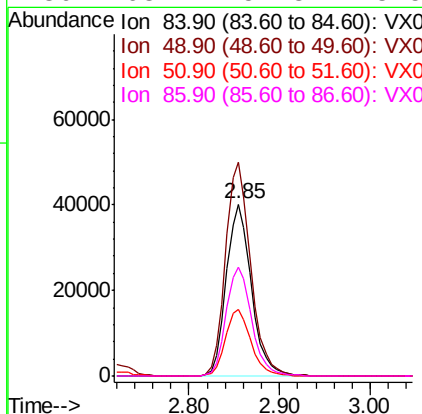
MMDadoda
 9/6/2018 12:48:25 PM

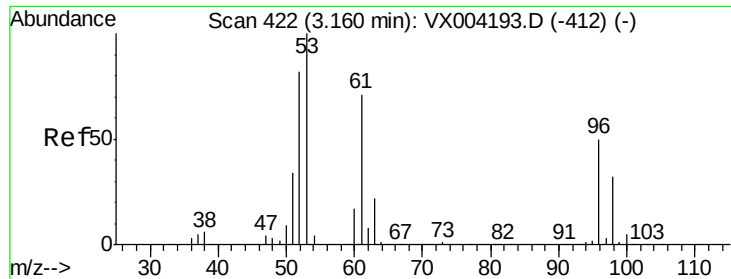


#20

Methylene Chloride
 Concen: 19.17 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.5	101.2	151.8
51	39.1	29.5	44.3
86	63.2	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.23 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

VX0905MBS01

Tot Ion: 96 Resp: 68607

Ion Ratio Lower Upper

96 100

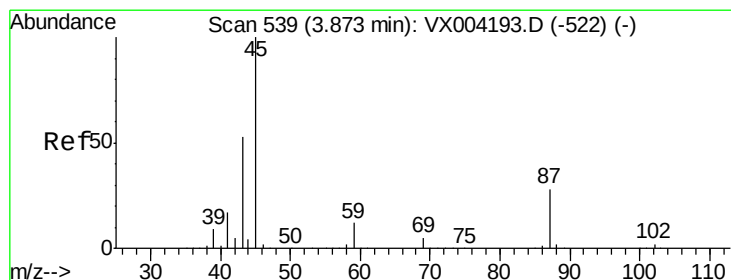
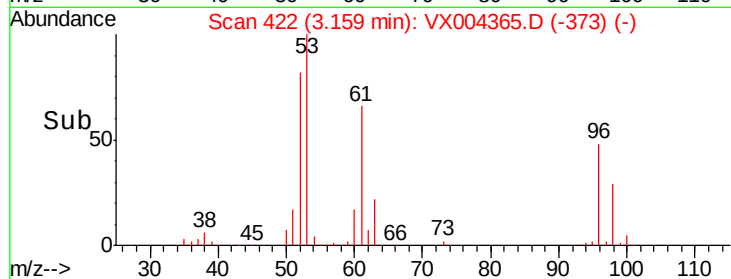
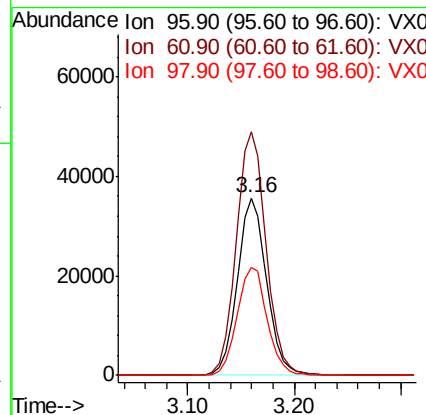
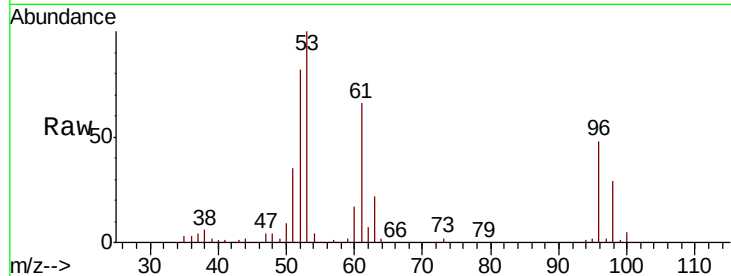
61 137.5 113.8 170.6

98 61.1 51.8 77.8

Manual Integrations
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9/6/2018 12:48:25 PM



#22

Diisopropyl ether

Concen: 20.28 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Tgt Ion: 45 Resp: 236427

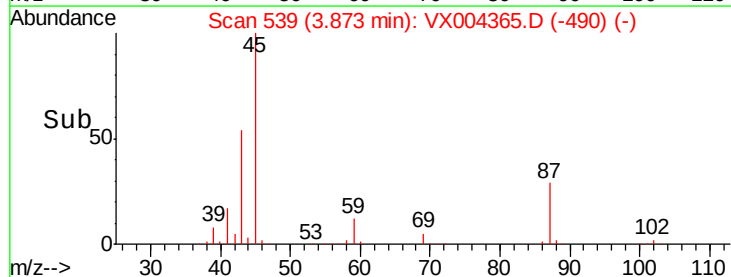
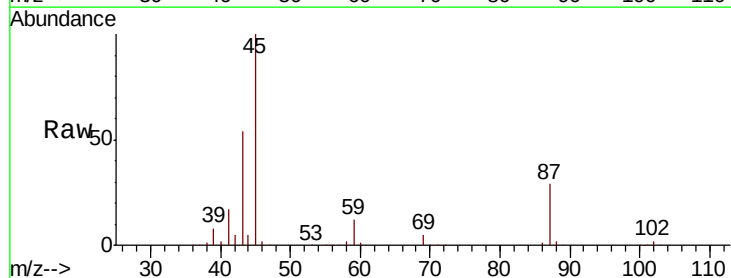
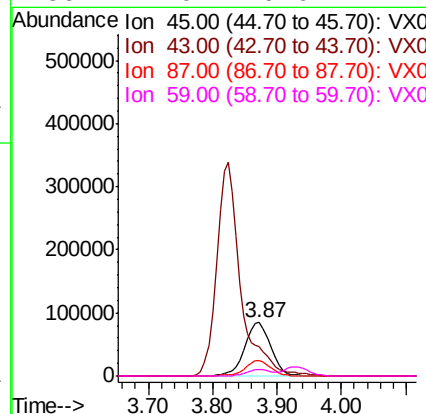
Ion Ratio Lower Upper

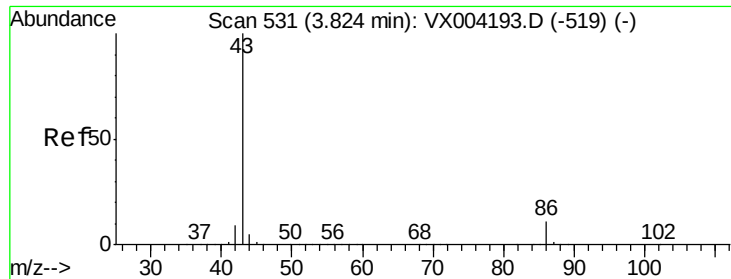
45 100

43 53.9 42.8 64.2

87 29.0 22.6 34.0

59 12.0 9.6 14.4





#23

Vinyl Acetate

Concen: 93.53 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

VX0905MBS01

Tot Ion: 43 Resp: 883922

Ion Ratio Lower Upper

43 100

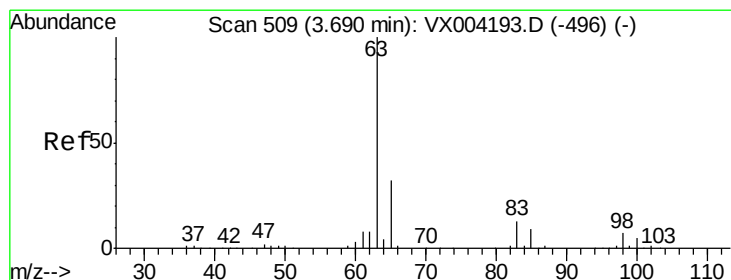
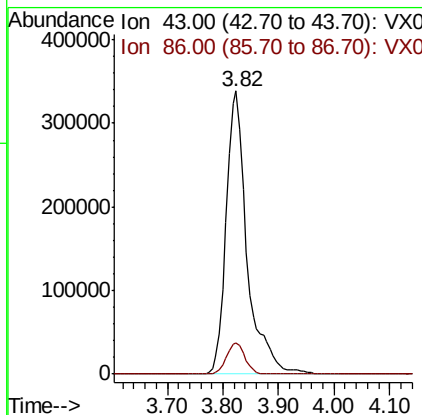
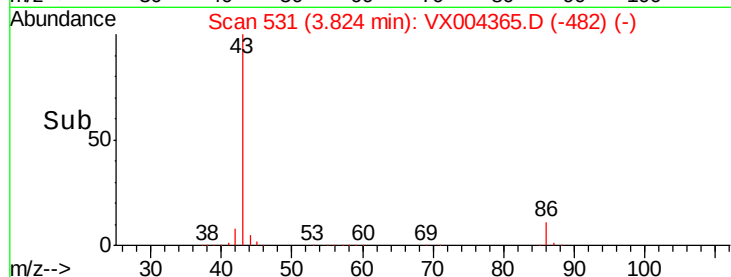
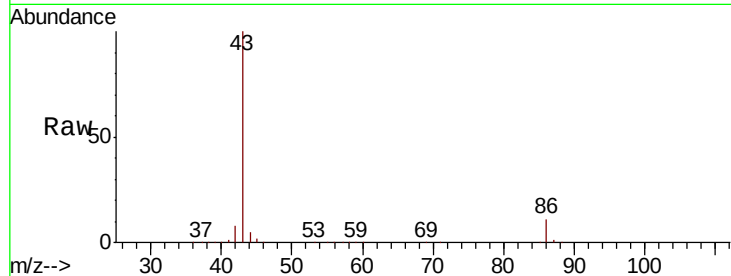
86 11.2 8.9 13.3

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 19.56 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

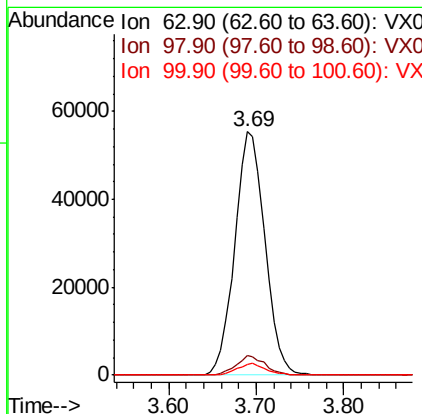
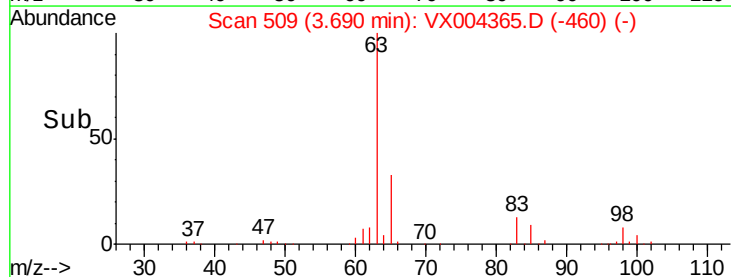
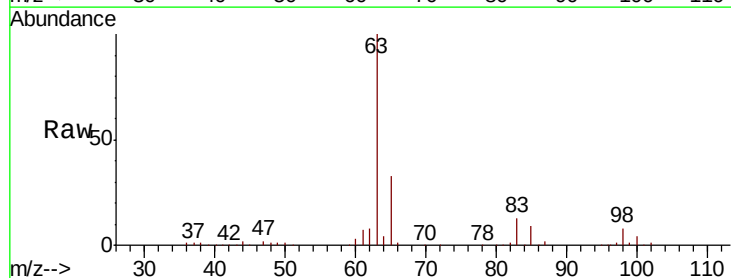
Tgt Ion: 63 Resp: 132953

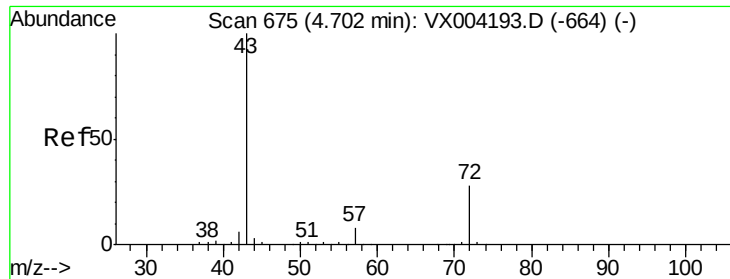
Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.4

100 4.5 2.4 7.1





#25

2-Butanone

Concen: 102.76 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

VX0905MBS01

Tot Ion: 43 Resp: 292672

Ion Ratio Lower Upper

43 100

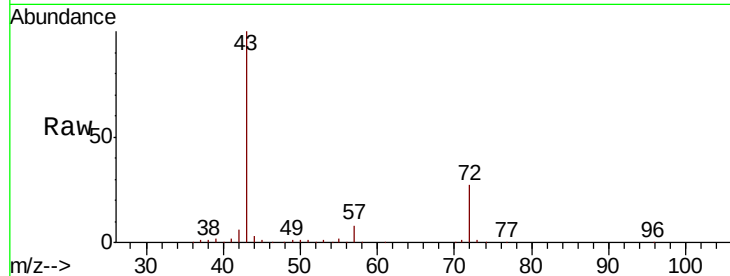
72 27.5 22.0 33.0

Manual Integrations

APPROVED

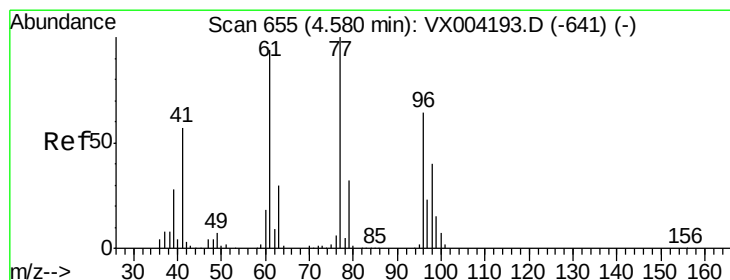
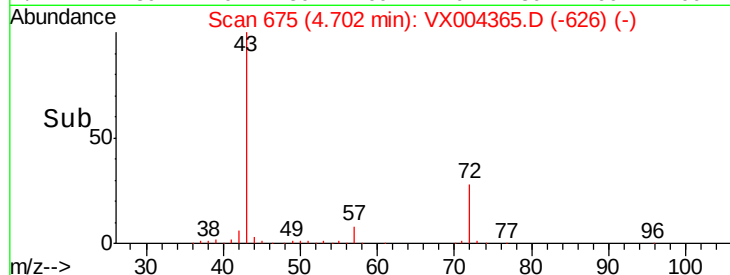
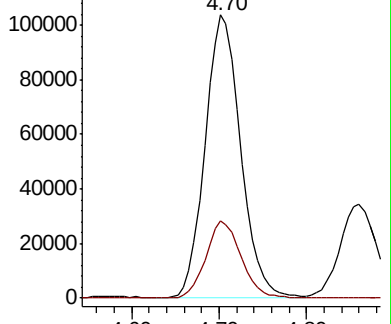
MMDadoda

9/6/2018 12:48:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.25 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004365.D

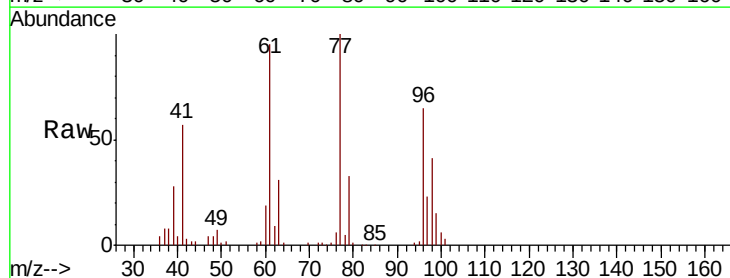
Acq: 05 Sep 2018 12:15

Tgt Ion: 77 Resp: 102601

Ion Ratio Lower Upper

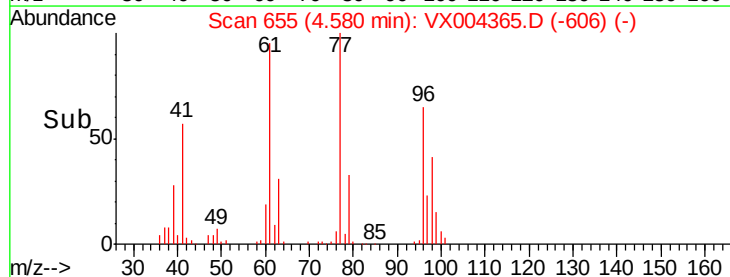
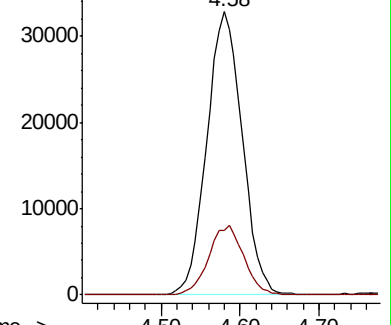
77 100

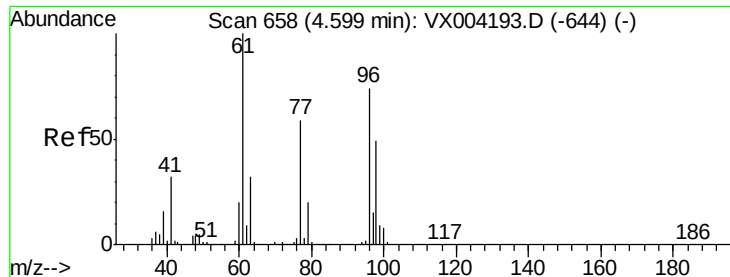
97 24.2 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

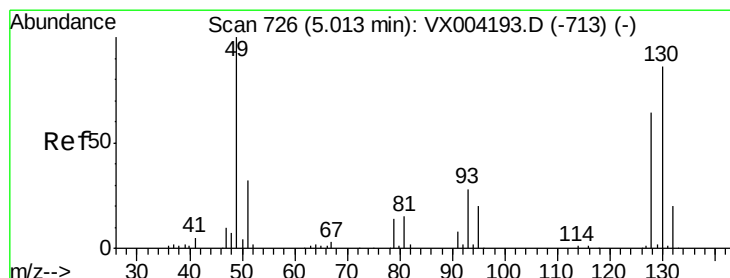
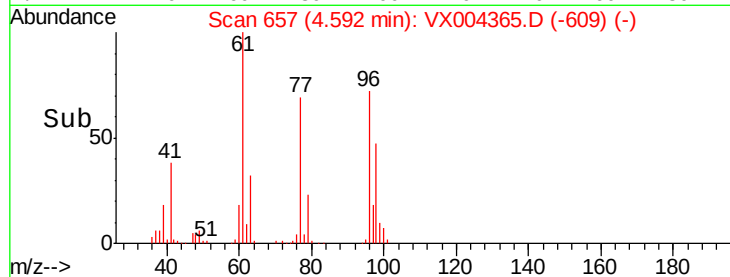
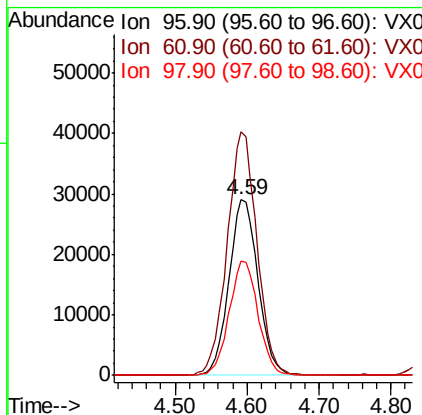
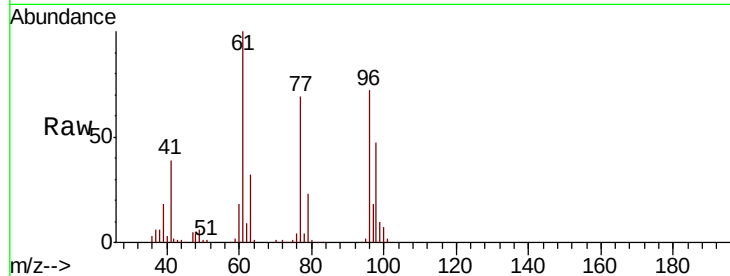
cis-1,2-Dichloroethene
 Concen: 19.06 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Instrument :
 MSVOA_X
 ClientSampled :
 VX0905MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.3	0.0	282.6	
98	64.8	0.0	130.2	

Manual Integrations
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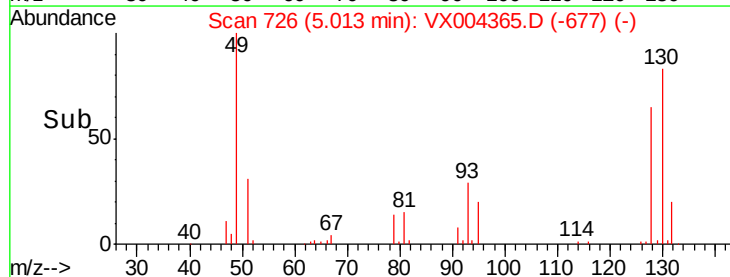
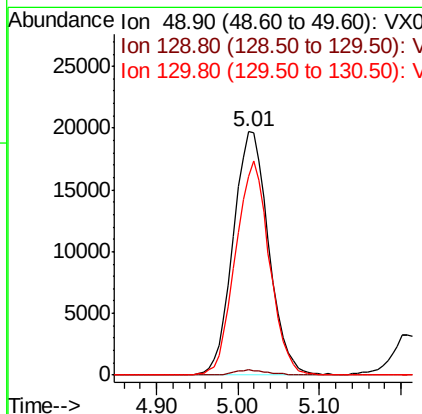
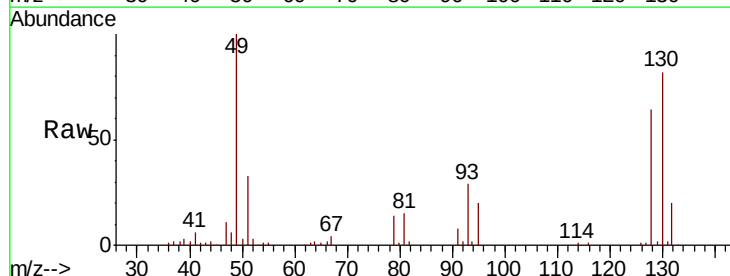
MMDadoda
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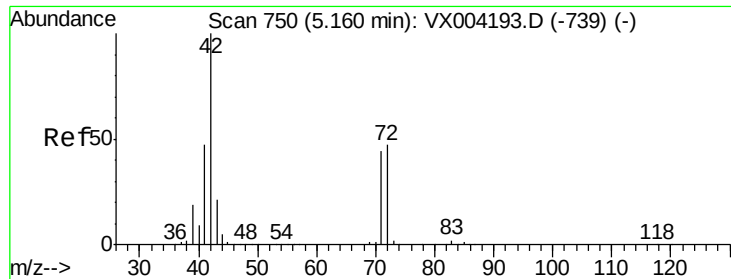


#28

Bromochloromethane
 Concen: 19.78 ug/l
 RT: 5.01 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.2	
130	84.0	67.5	101.3	





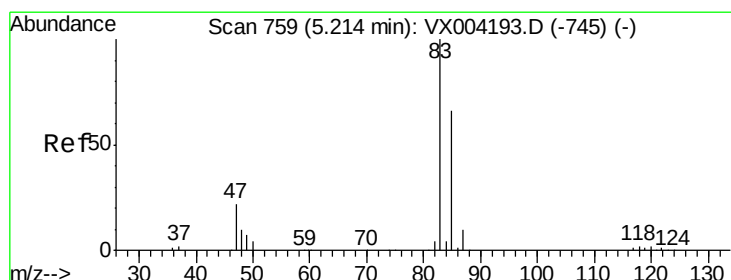
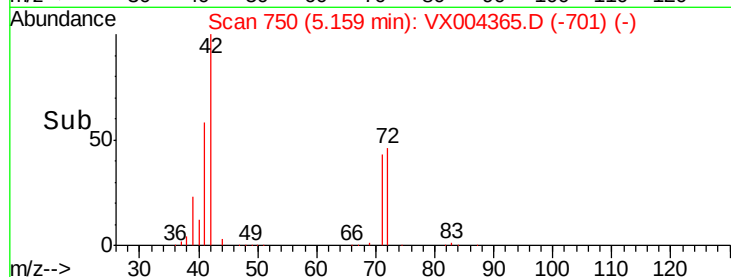
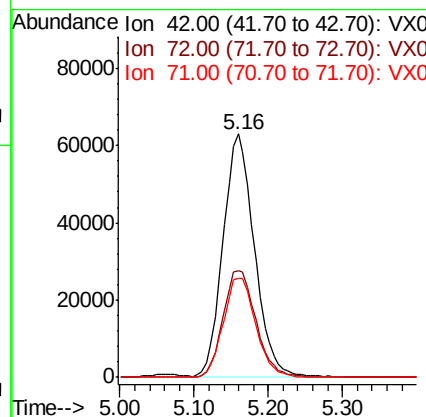
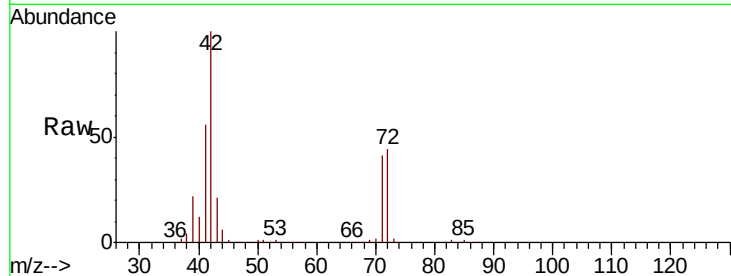
#29
Tetrahydrofuran
Concen: 102.17 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Instrument :
MSVOA_X
ClientSampleId :
VX0905MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.4	56.0
71	42.8	34.5	51.7

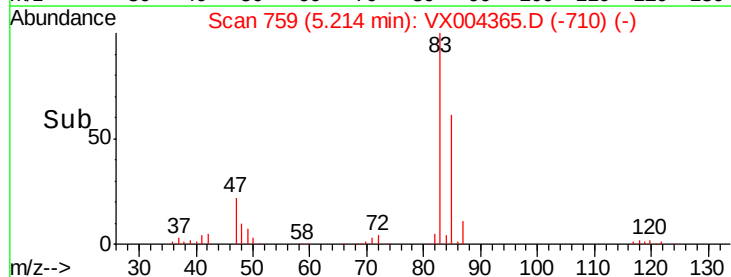
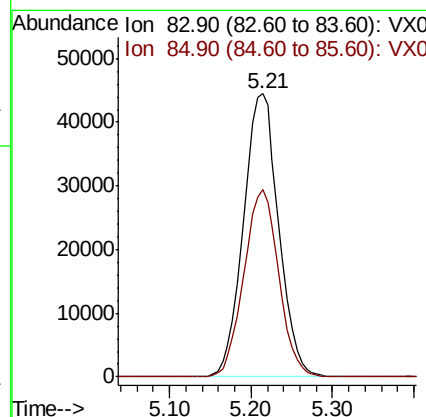
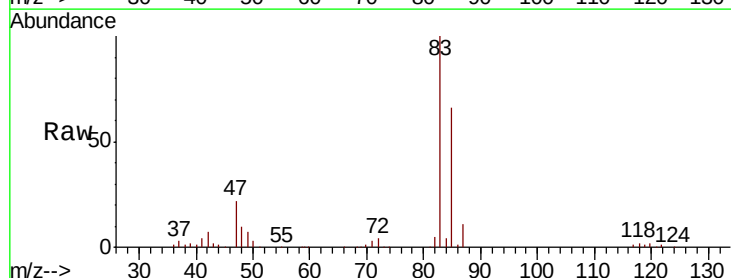
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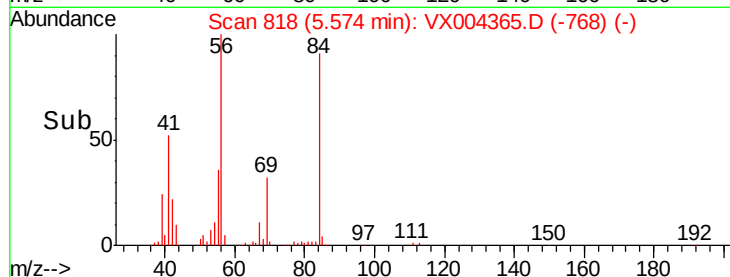
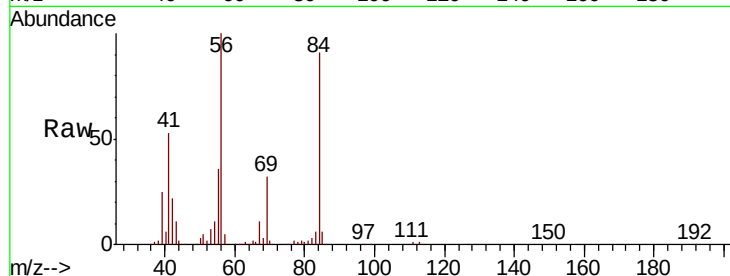
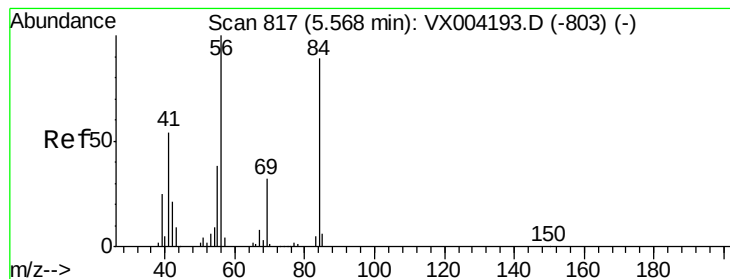
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#30
Chloroform
Concen: 19.57 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.6	79.0





#31

Cyclohexane

Concen: 18.73 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004365.D

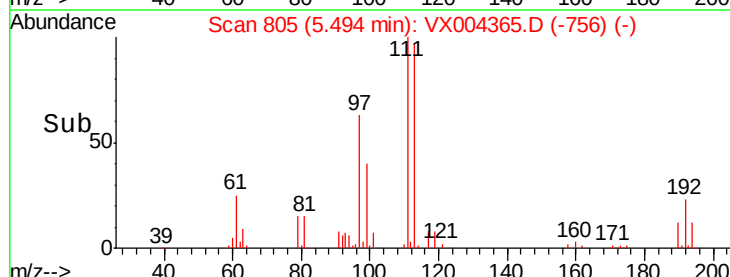
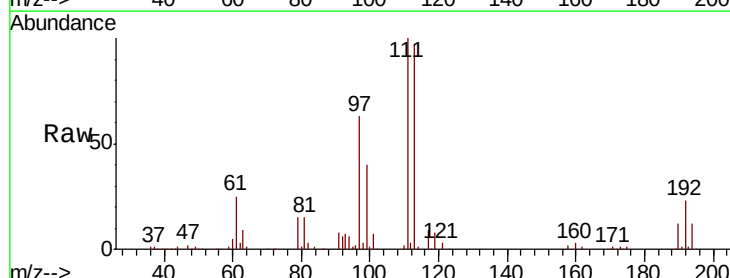
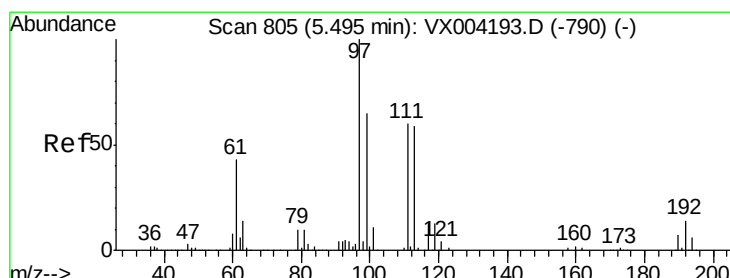
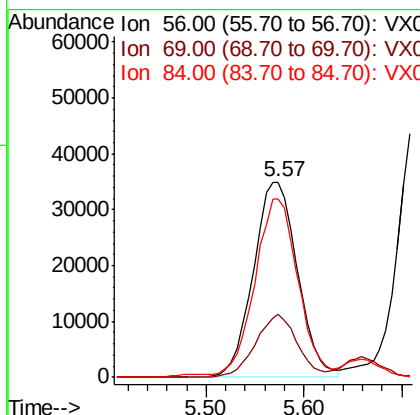
Acq: 05 Sep 2018 12:15

Tot Ion:	56	Resp:	109818
Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.4	38.2
84	90.2	71.4	107.2

Instrument :
MSVOA_X
ClientSampleId :
VX0905MBS01

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.29 ug/l

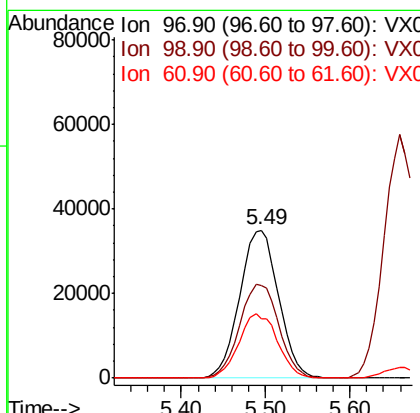
RT: 5.49 min Scan# 805

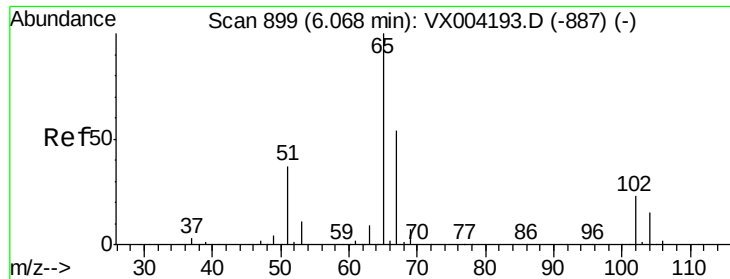
Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Tgt Ion:	97	Resp:	109600
Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.0	78.0
61	43.6	34.9	52.3





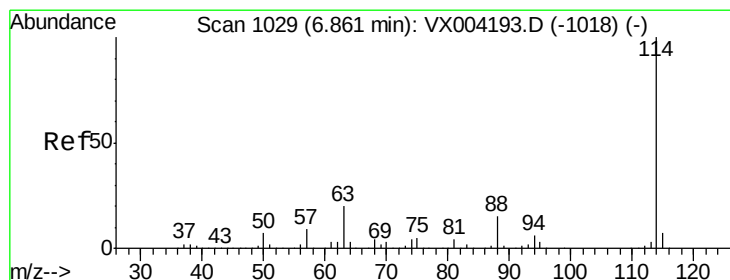
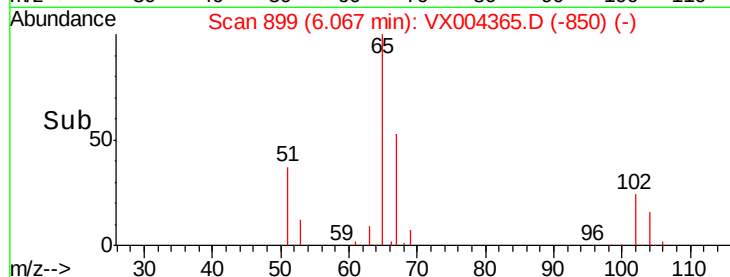
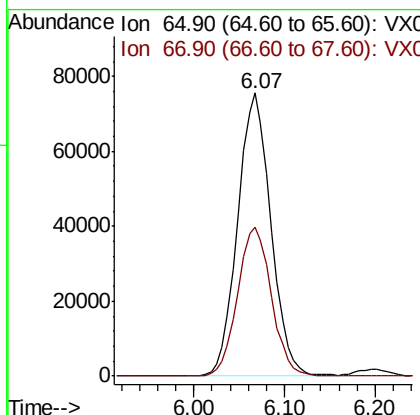
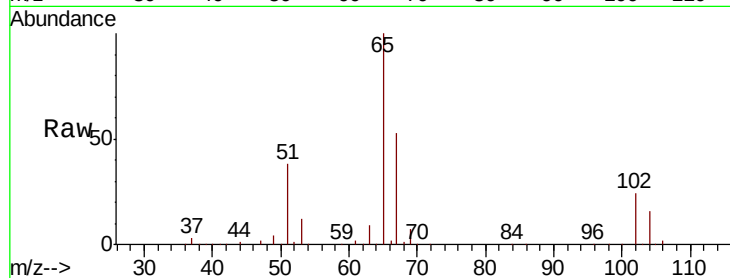
#33
 1,2-Dichloroethane-d4
 Concen: 45.81 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	191579		
67	53.7	0.0	106.8	

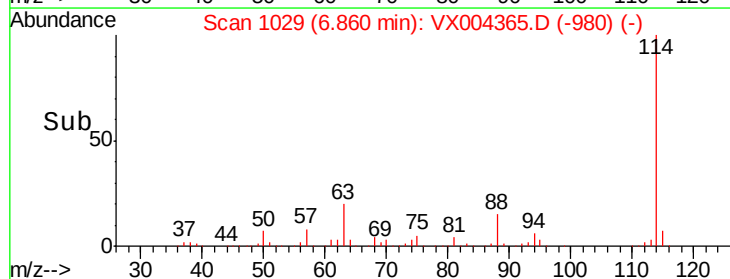
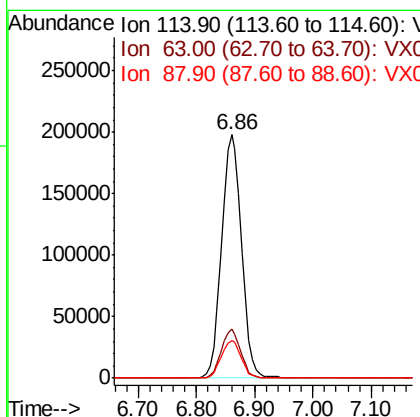
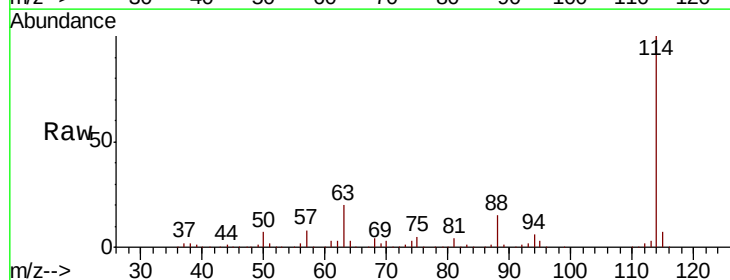
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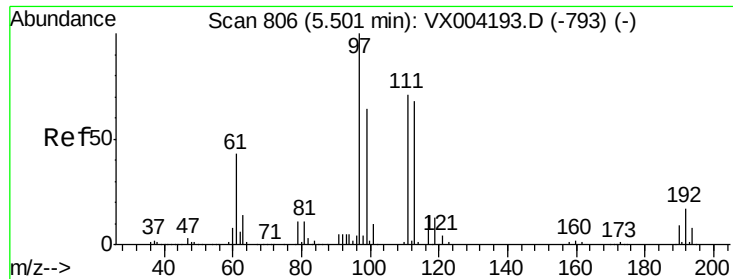
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	469426		
63	19.9	0.0	39.0	
88	15.3	0.0	30.4	





#35

Dibromofluoromethane

Concen: 46.70 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

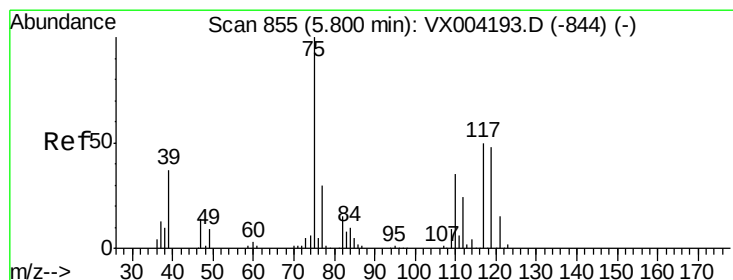
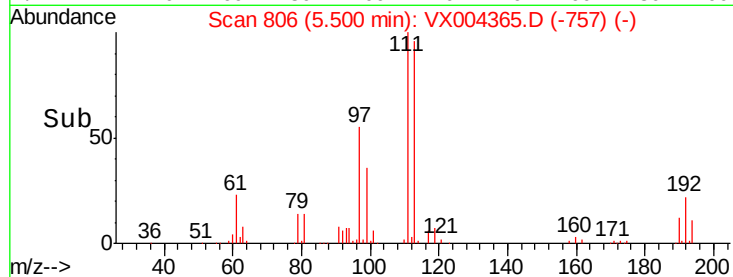
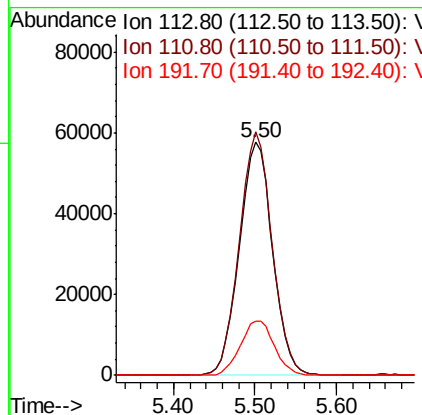
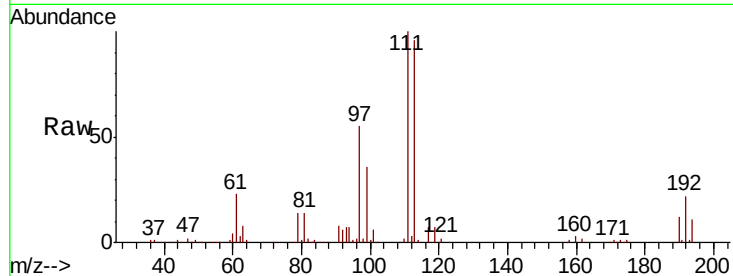
ClientSampleId :

VX0905MBS01

Tot Ion:	113	Resp:	163098
Ion Ratio	Lower	Upper	
113	100		
111	103.1	82.4	123.6
192	23.9	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 18.38 ug/l

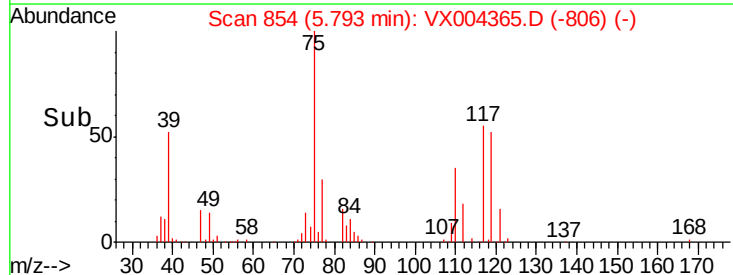
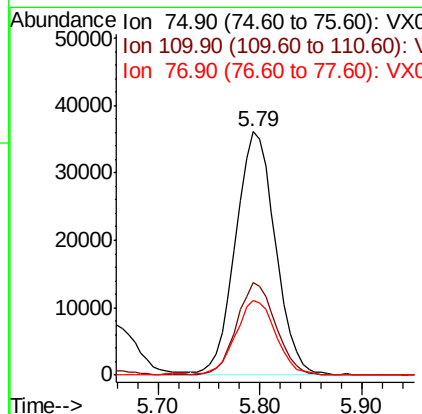
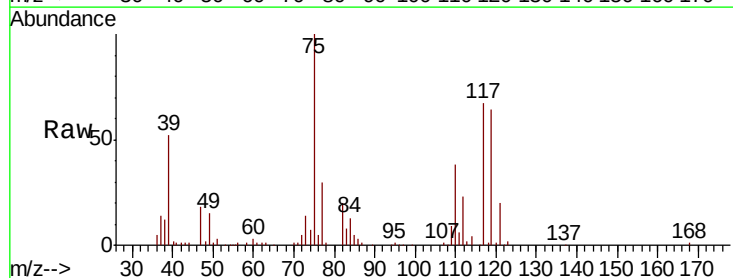
RT: 5.79 min Scan# 854

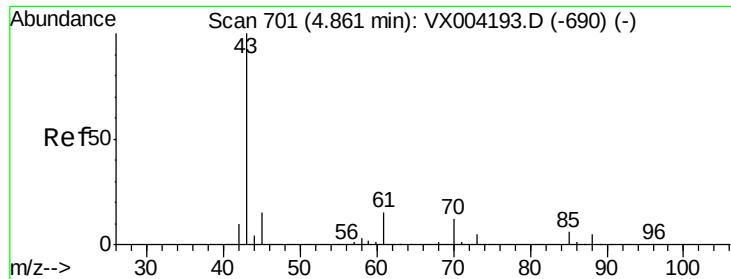
Delta R.T. -0.01 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Tgt Ion:	75	Resp:	97017
Ion Ratio	Lower	Upper	
75	100		
110	37.6	18.0	54.0
77	31.3	24.6	36.8





#37

Ethyl Acetate

Concen: 19.50 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

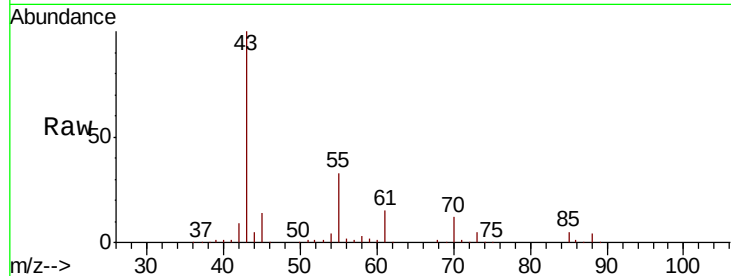
ClientSampleId :

VX0905MBS01

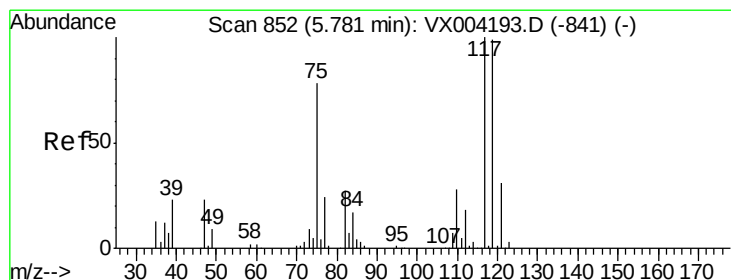
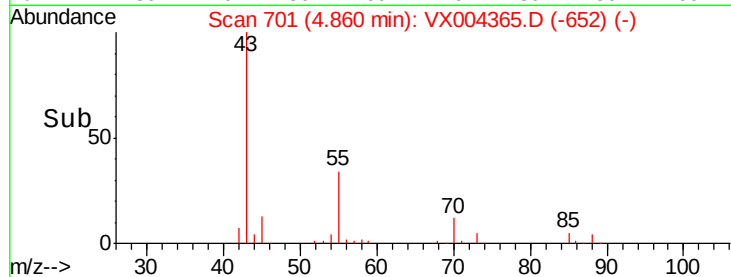
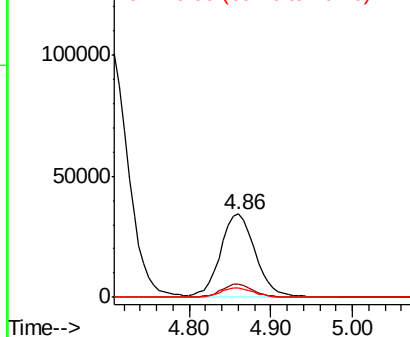
Tot Ion:	43	Resp:	101203
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.4	9.0	13.6

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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

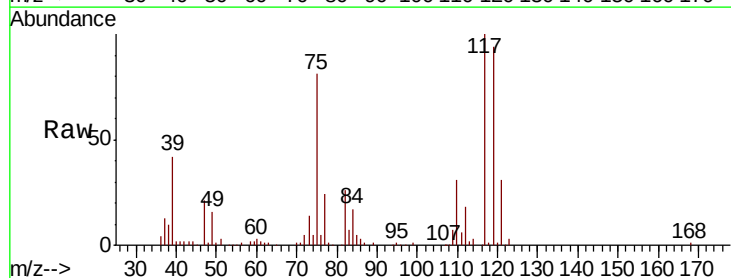
RT: 5.78 min Scan# 852

Delta R.T. -0.00 min

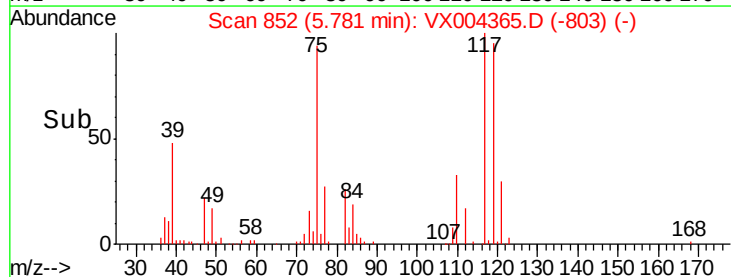
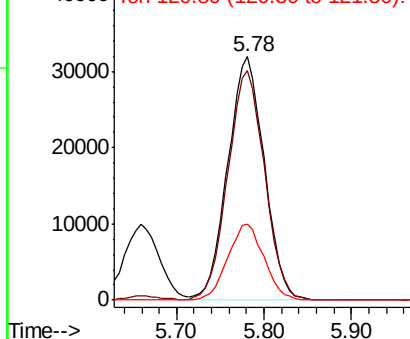
Lab File: VX004365.D

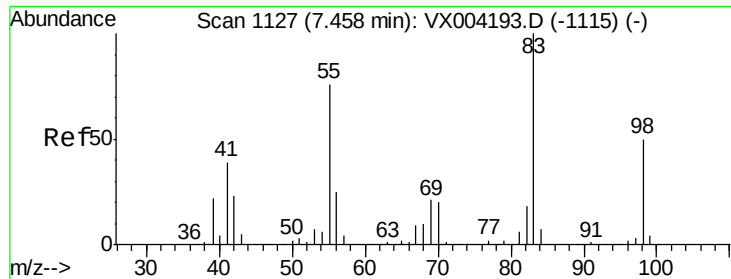
Acq: 05 Sep 2018 12:15

Tgt Ion:	117	Resp:	92719
Ion	Ratio	Lower	Upper
117	100		
119	94.4	78.8	118.2
121	31.1	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





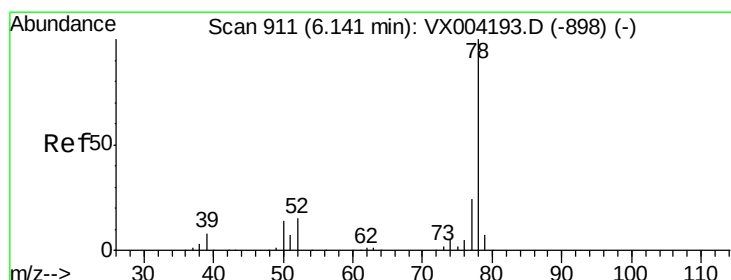
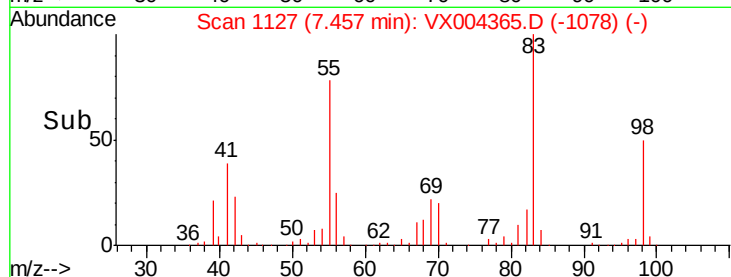
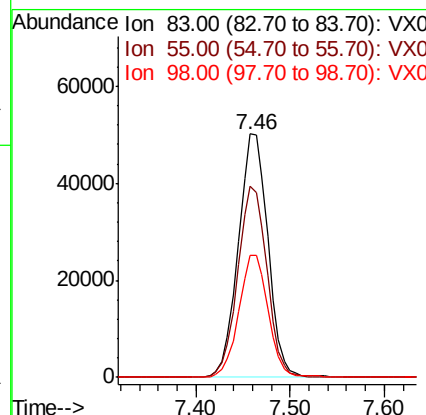
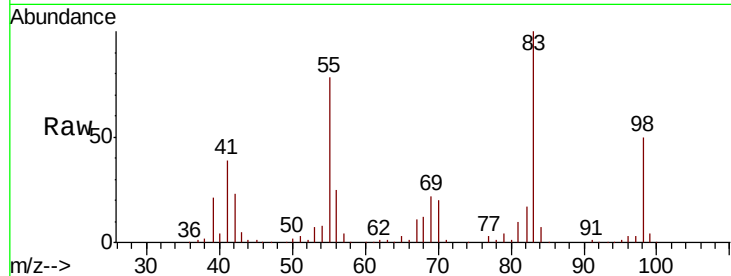
#39
Methylvlcyclohexane
Concen: 18.31 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Instrument :
MSVOA_X
ClientSampleId :
VX0905MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.5	61.0	91.4	
98	50.4	39.6	59.4	

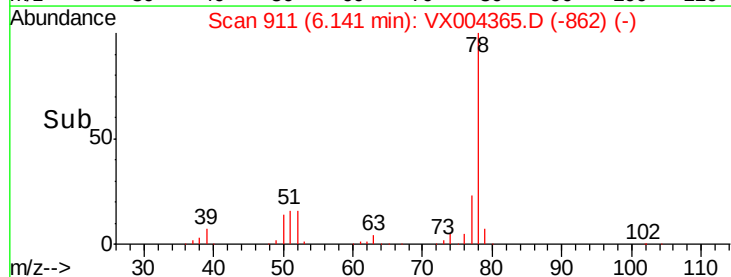
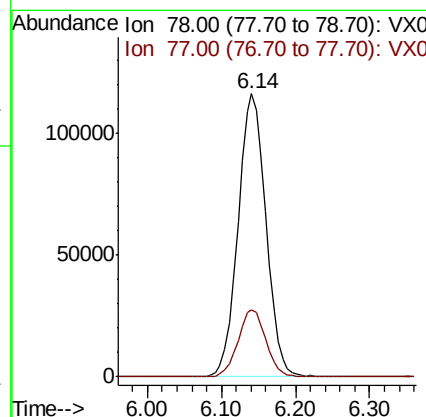
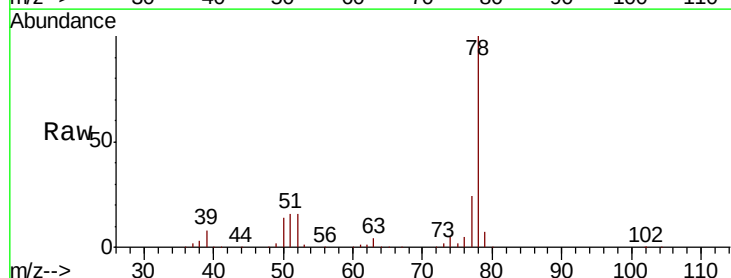
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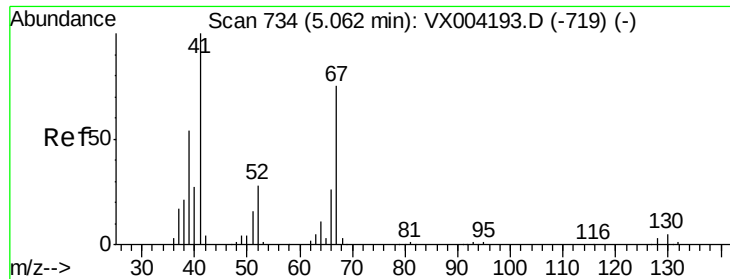
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#40
Benzene
Concen: 19.31 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	19.0	28.4	





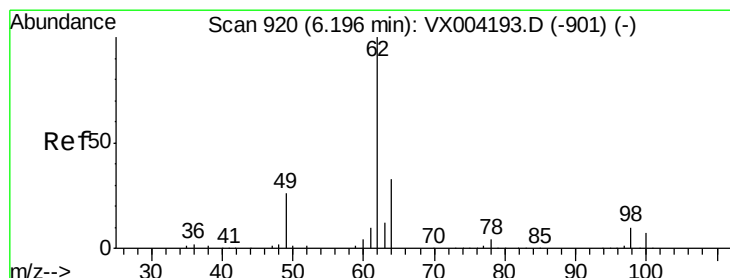
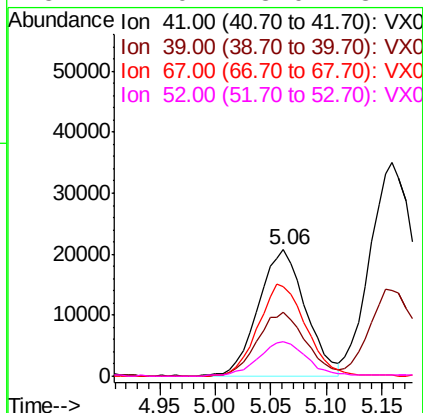
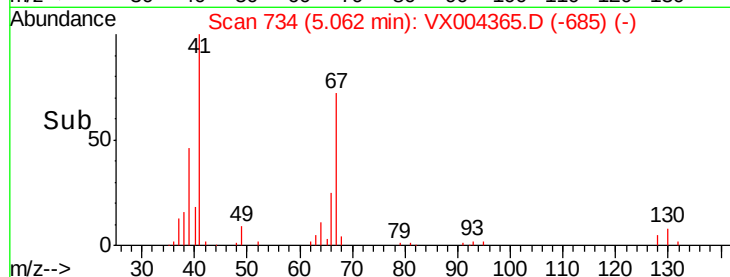
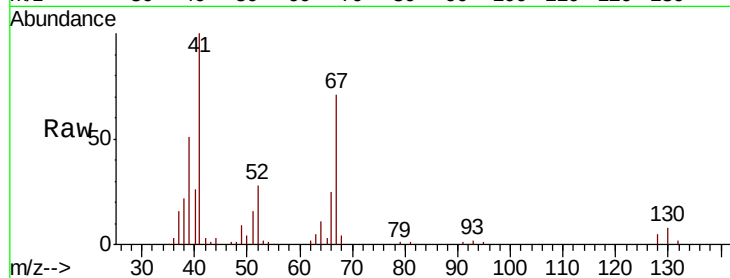
#41
Methacrylonitrile
Concen: 20.41 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Instrument :
MSVOA_X
ClientSampleId :
VX0905MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.9	42.4	63.6	
67	74.0	59.2	88.8	
52	27.0	23.0	34.4	

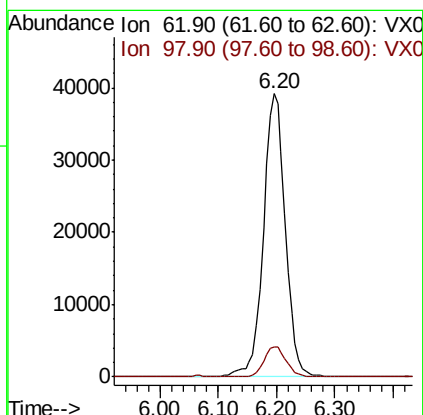
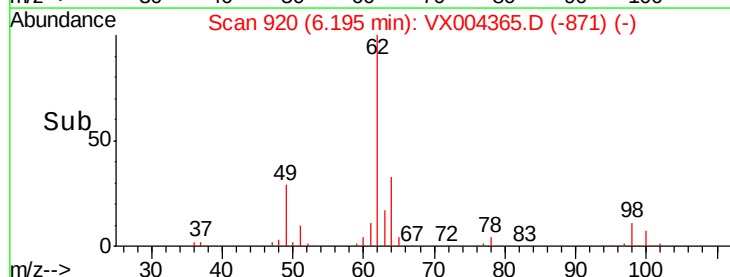
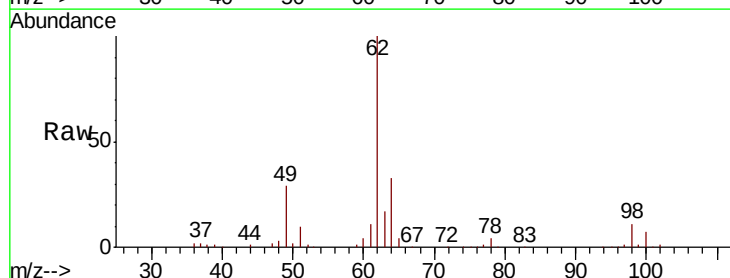
Manual Integrations
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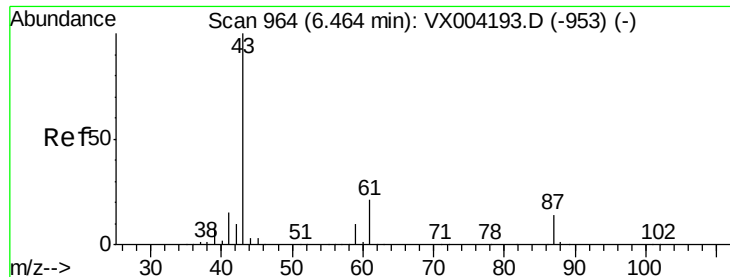
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#42
1,2-Dichloroethane
Concen: 19.10 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	20.6	





#43

Isopropyl Acetate

Concen: 19.70 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

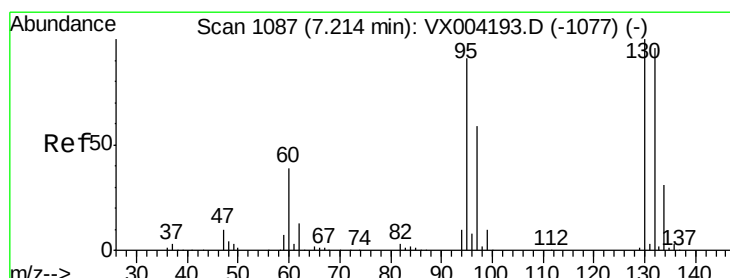
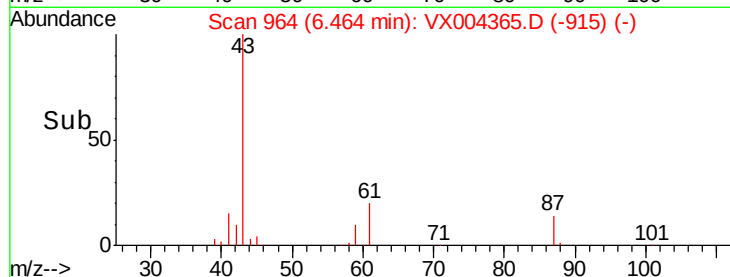
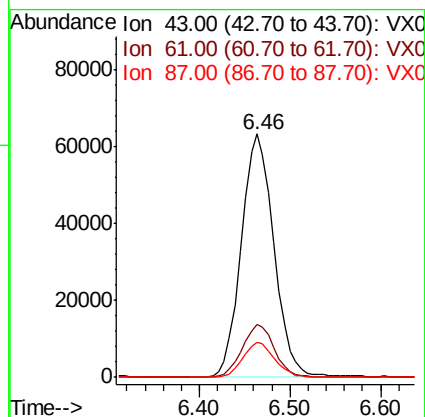
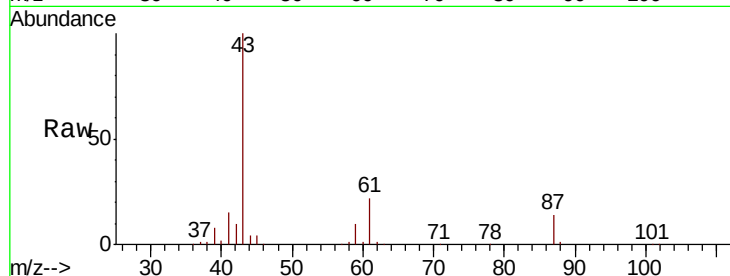
ClientSampleId :

VX0905MBS01

Tot Ion:	43	Resp:	157106
Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.0	25.4
87	14.2	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 18.70 ug/l

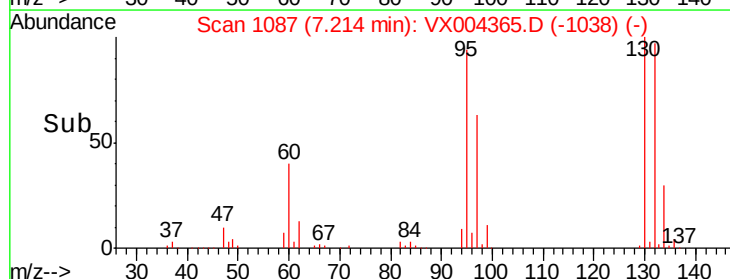
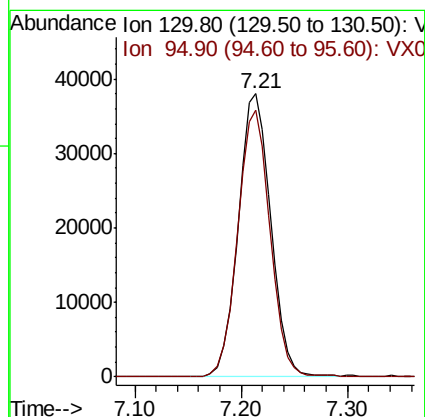
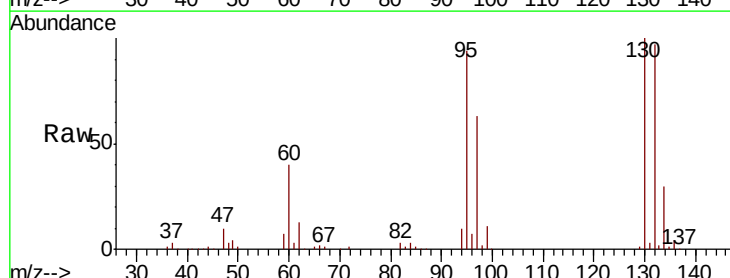
RT: 7.21 min Scan# 1087

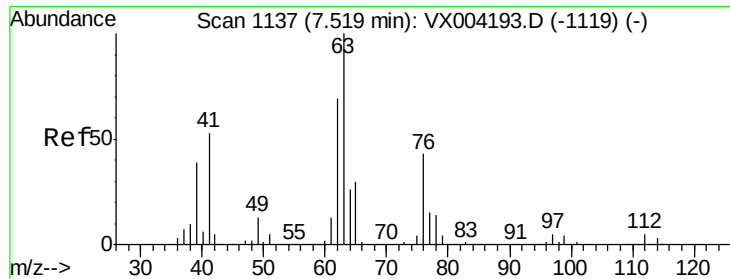
Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Tgt Ion:	130	Resp:	81648
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	181.6





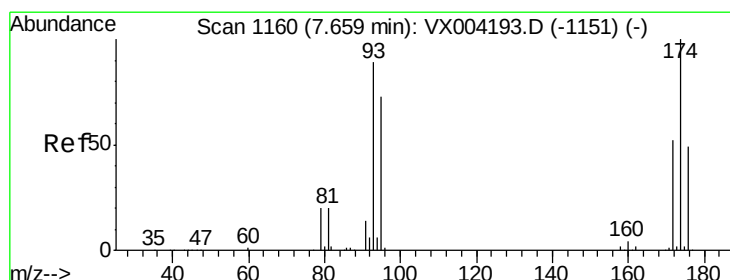
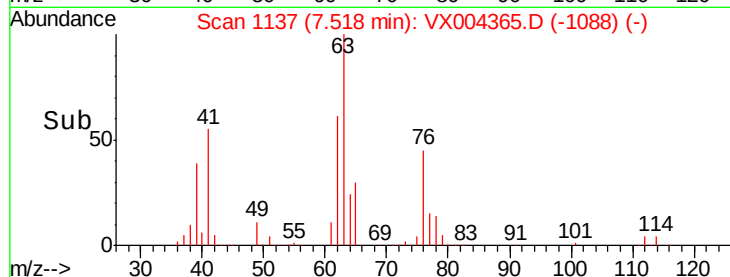
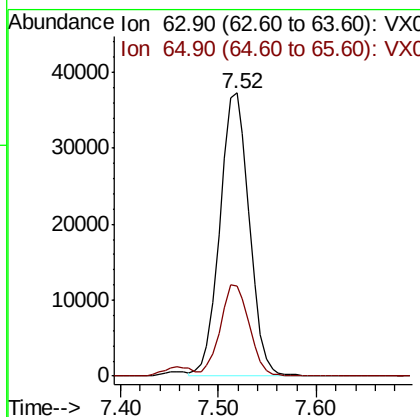
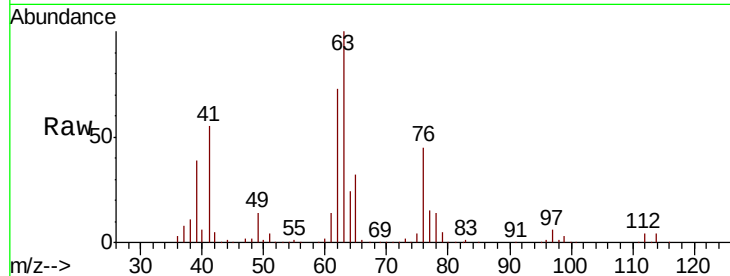
#45
 1,2-Dichloropropane
 Concen: 19.71 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Instrument :
 MSVOA_X
 ClientSampled :
 VX0905MBS01

Tot Ion: 63 Resp: 77805
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.3 36.5

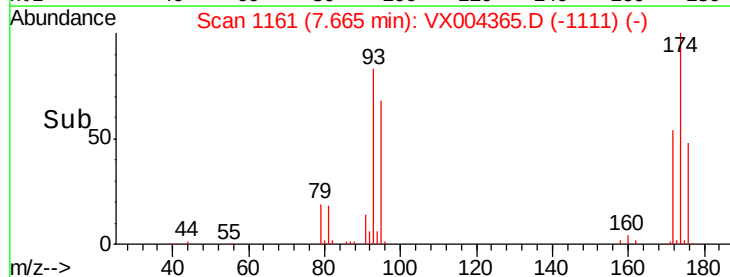
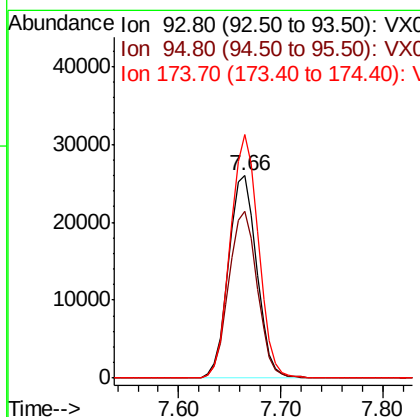
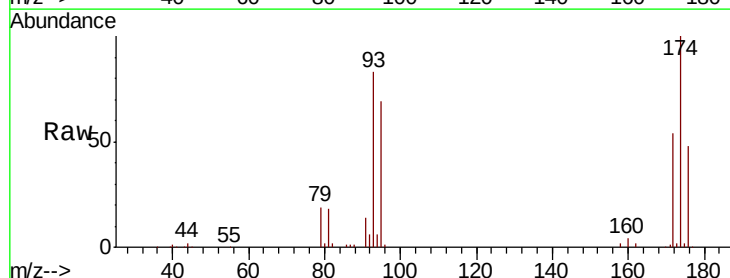
Manual Integrations
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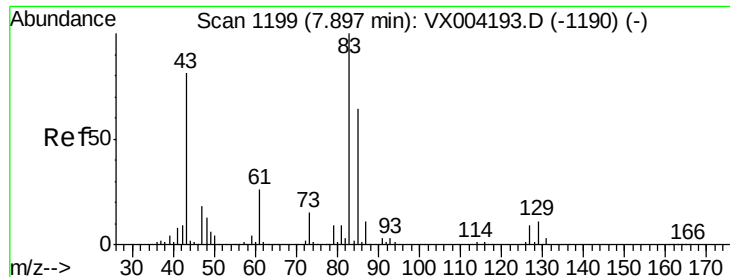
MMDadoda
 9/6/2018 12:48:25 PM



#46
 Dibromomethane
 Concen: 18.95 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion: 93 Resp: 49786
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.5 98.3
 174 119.1 94.2 141.4





#47

Bromodichloromethane

Concen: 19.20 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

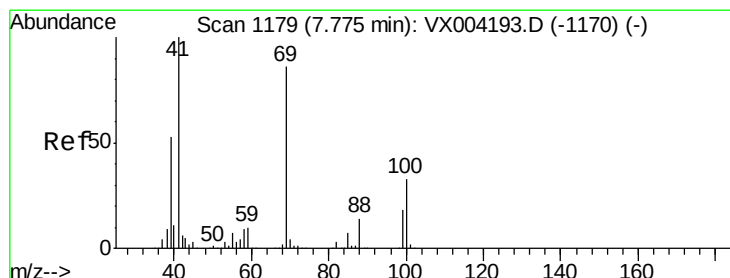
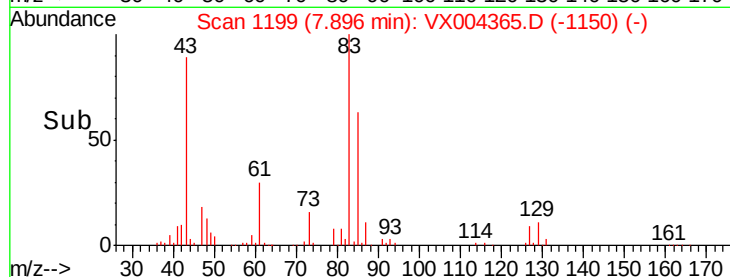
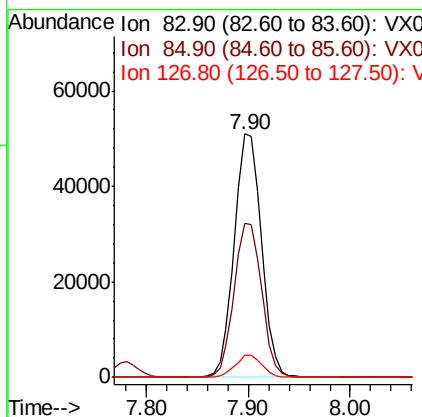
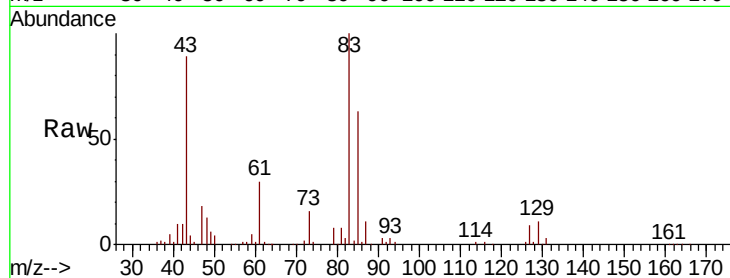
ClientSampleId :

VX0905MBS01

Tot Ion:	83	Resp:	93897
Ion Ratio	Lower	Upper	
83	100		
85	63.2	50.9	76.3
127	8.9	7.3	10.9

Manual Integrations
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9/6/2018 12:48:25 PM



#48

Methyl methacrylate

Concen: 19.65 ug/l

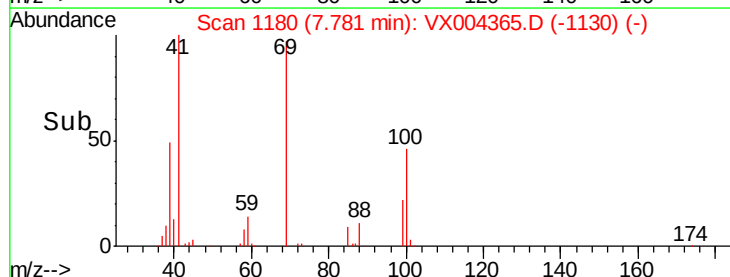
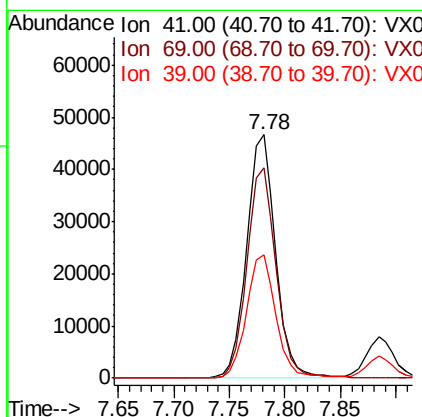
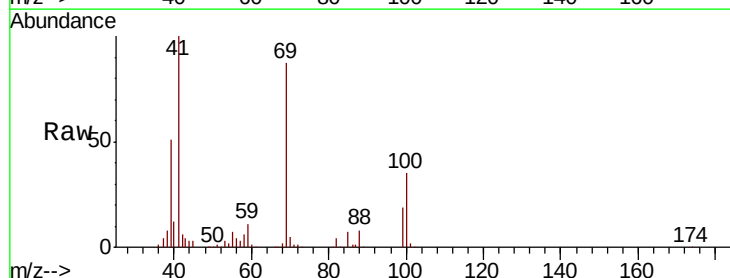
RT: 7.78 min Scan# 1180

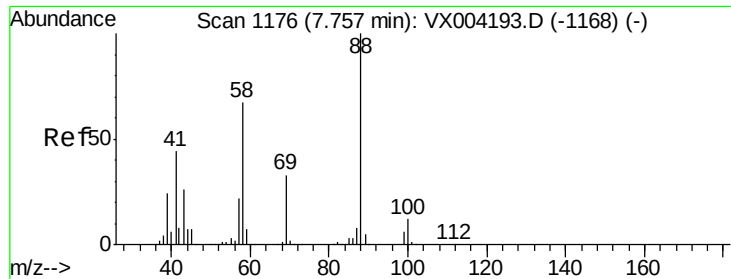
Delta R.T. 0.01 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Tgt Ion:	41	Resp:	83866
Ion Ratio	Lower	Upper	
41	100		
69	87.8	70.2	105.4
39	52.1	42.7	64.1





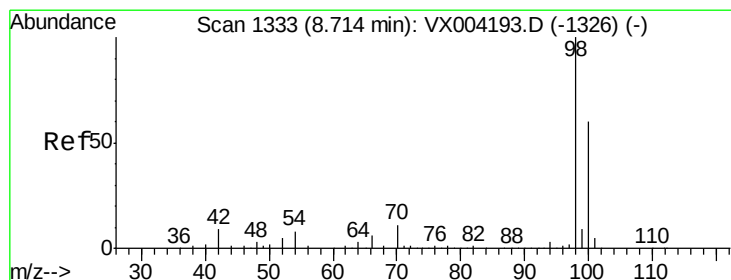
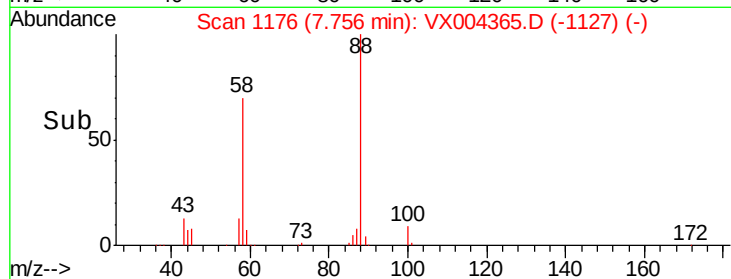
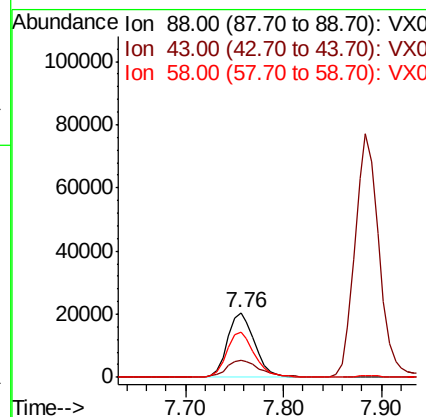
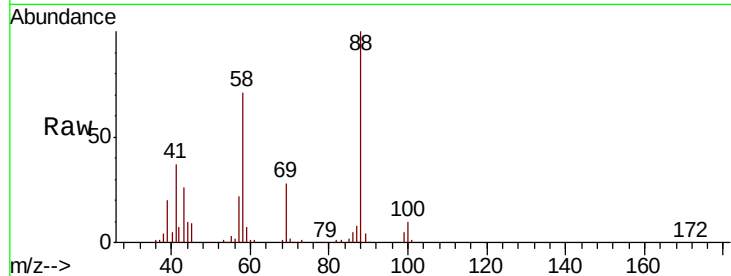
#49
1,4-Dioxane
Concen: 407.61 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Instrument :
MSVOA_X
ClientSampled :
VX0905MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	24.7	37.1
58	70.7	55.3	82.9

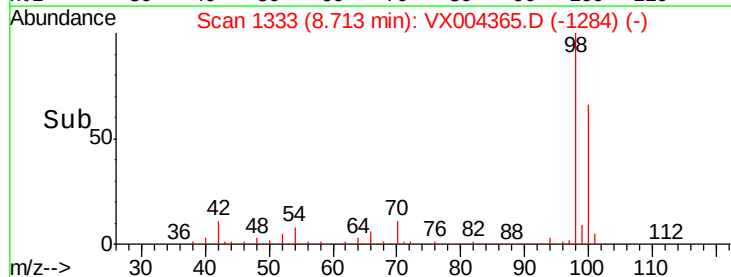
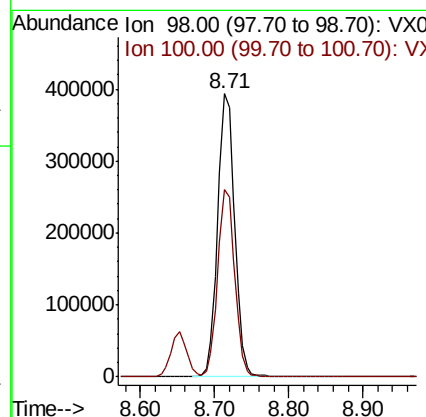
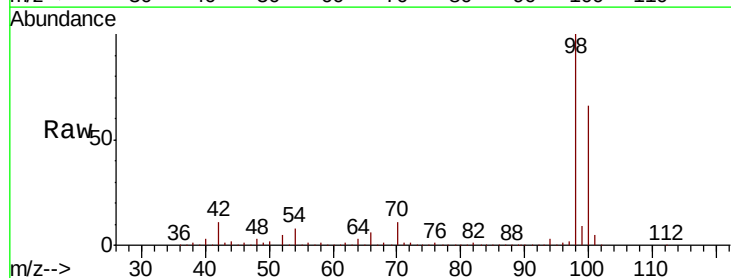
Manual Integrations
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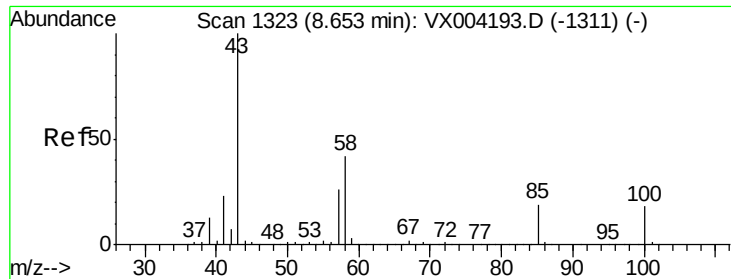
MMDadoda
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#50
Toluene-d8
Concen: 46.79 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 96.73 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

VX0905MBS01

Tot Ion: 43 Resp: 560531

Ion Ratio Lower Upper

43 100

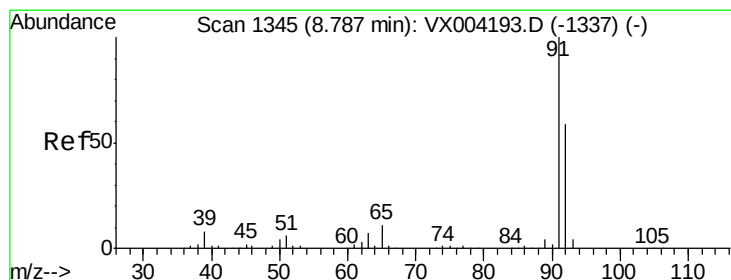
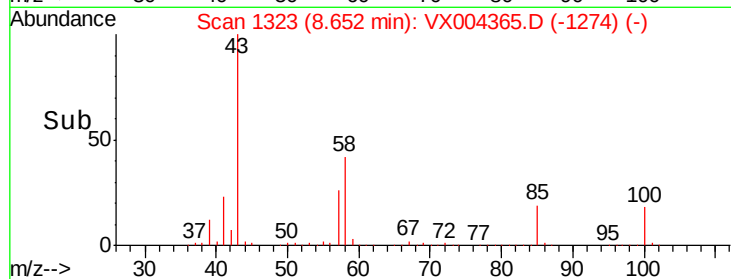
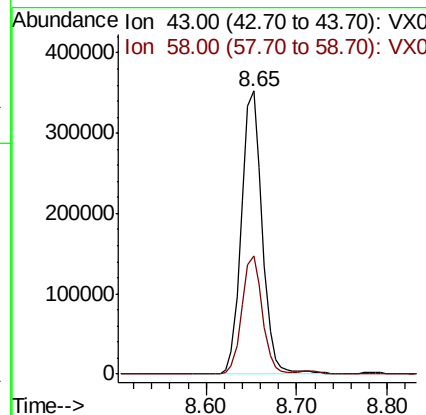
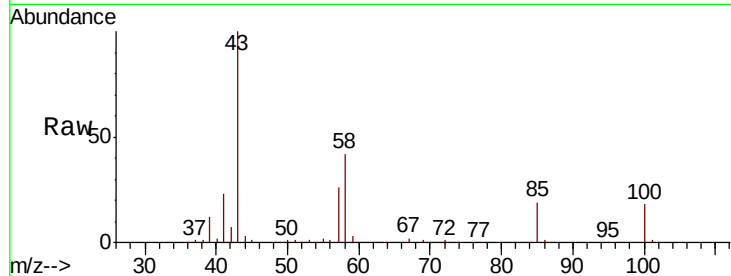
58 41.1 33.1 49.7

Manual Integrations

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#52

Toluene

Concen: 19.69 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004365.D

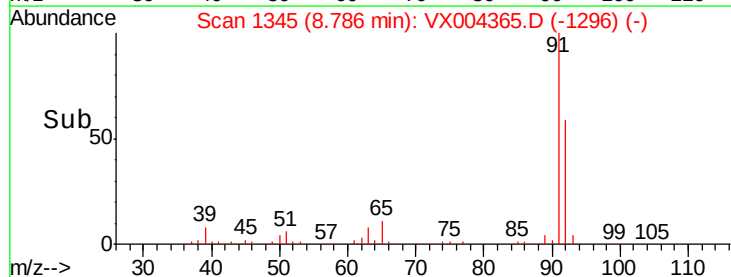
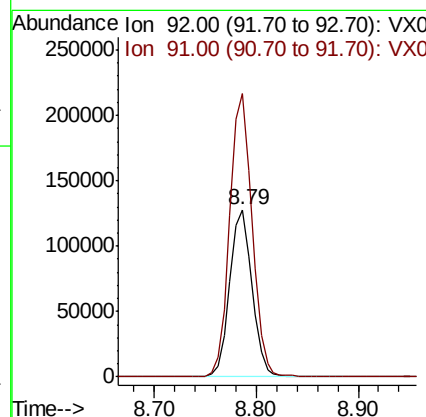
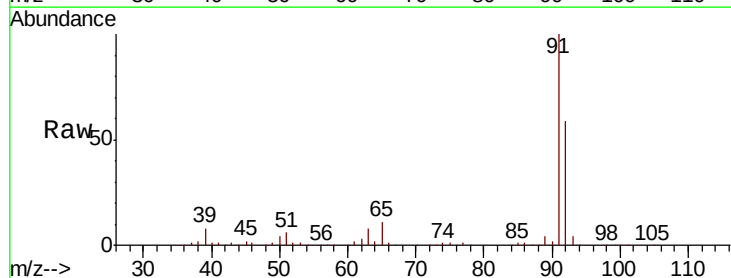
Acq: 05 Sep 2018 12:15

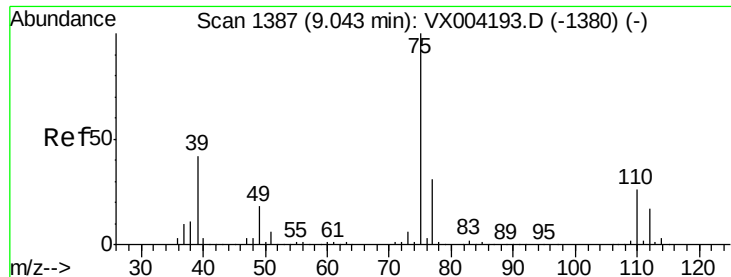
Tgt Ion: 92 Resp: 194363

Ion Ratio Lower Upper

92 100

91 169.8 136.4 204.6





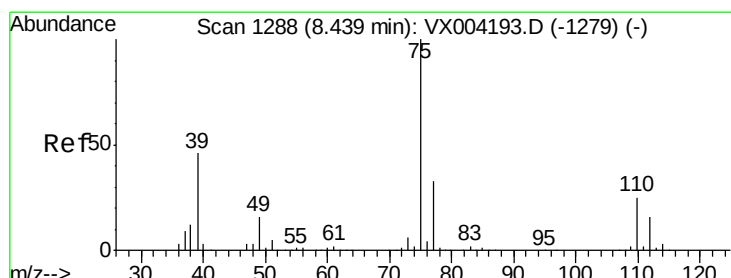
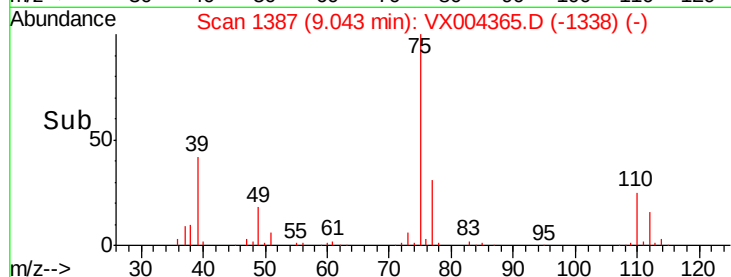
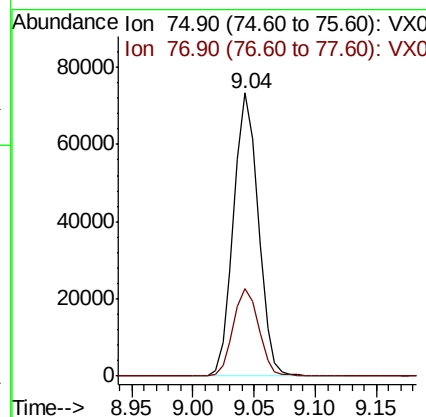
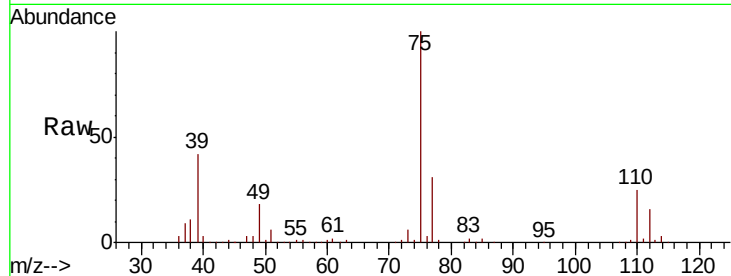
#53
t-1,3-Dichloropropene
Concen: 19.05 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Instrument :
MSVOA_X
ClientSampleId :
VX0905MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	37.0

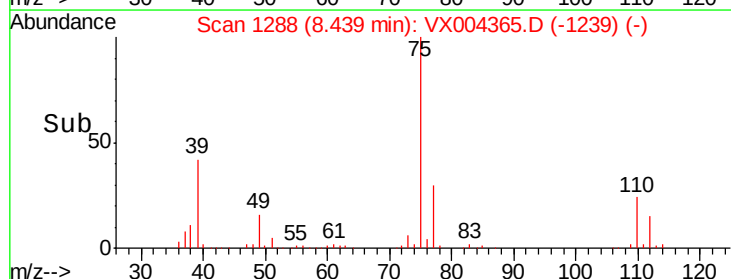
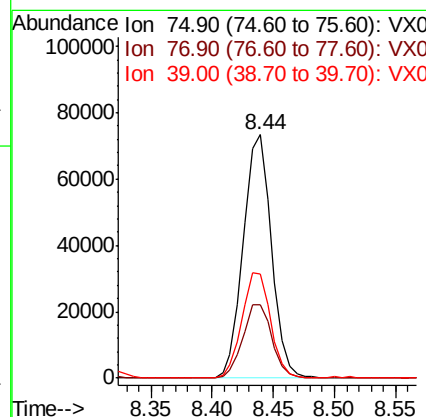
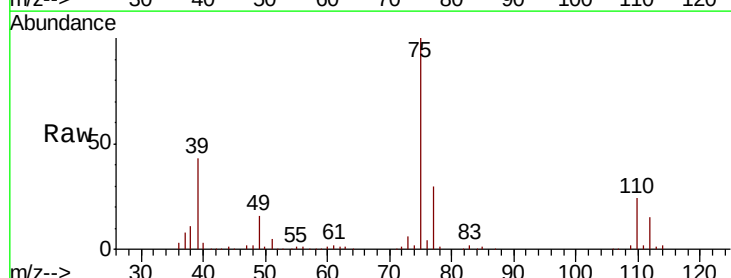
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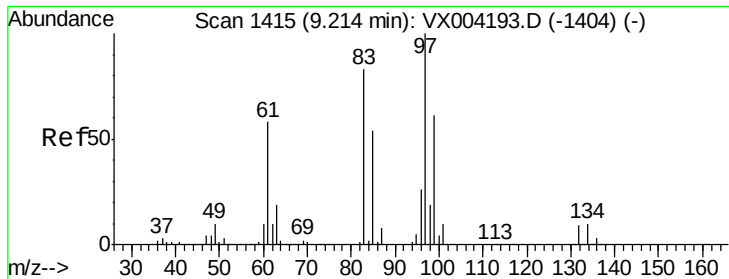
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#54
cis-1,3-Dichloropropene
Concen: 19.92 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.2	39.2
39	42.5	36.4	54.6





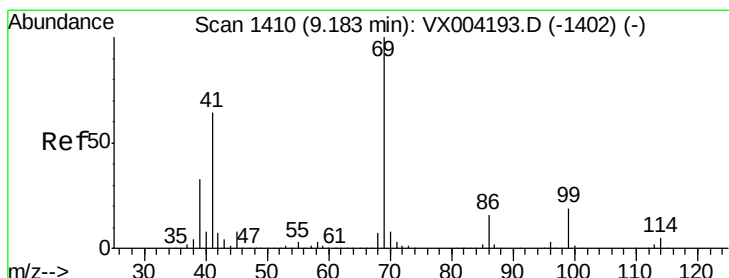
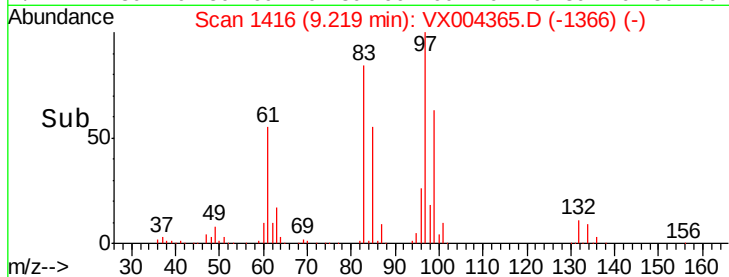
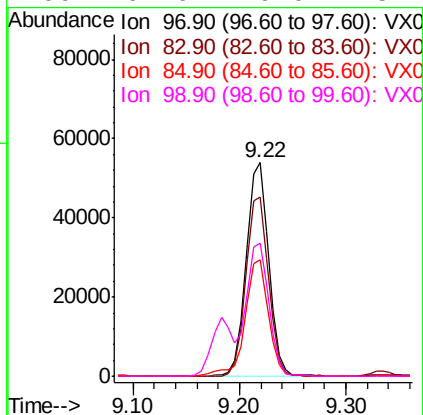
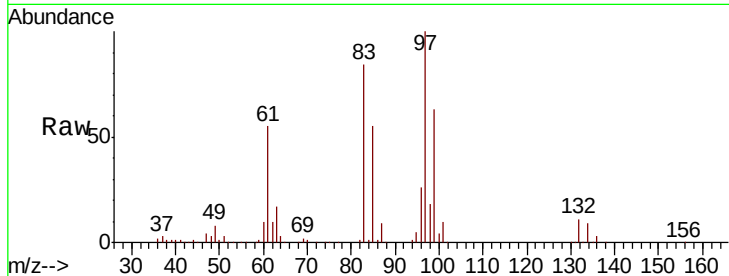
#55
 1,1,2-Trichloroethane
 Concen: 20.14 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		80249		
83	83.8	66.4	99.6		
85	54.6	43.3	64.9		
99	62.6	49.0	73.4		

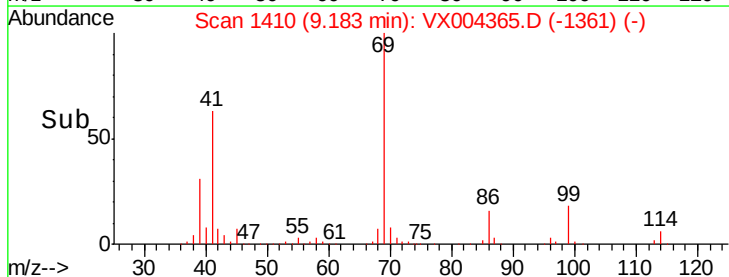
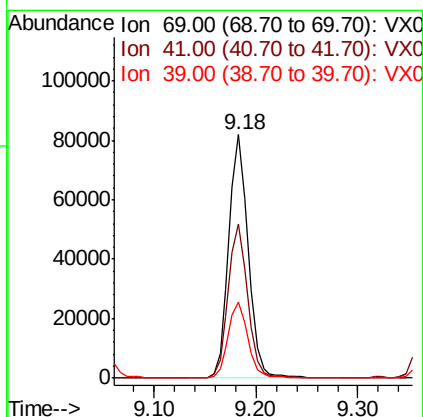
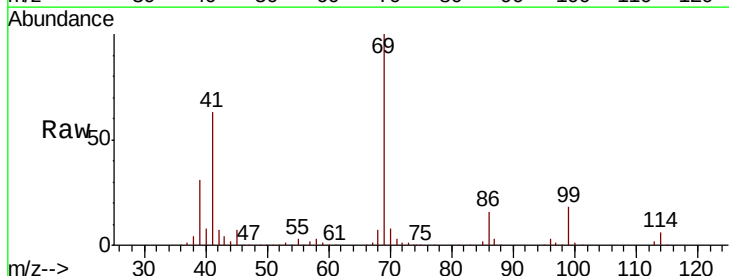
Manual Integrations
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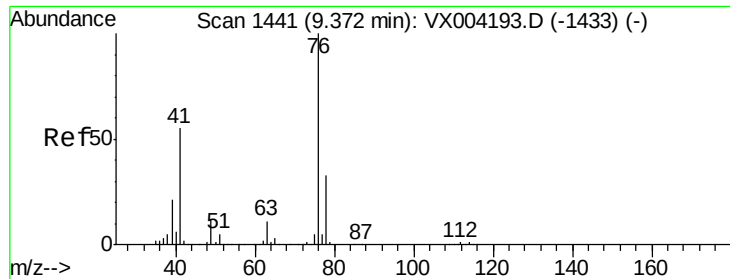
MMDadoda
 9/6/2018 12:48:25 PM



#56
 Ethyl methacrylate
 Concen: 19.91 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		108018		
41	63.2	51.0	76.4		
39	31.6	26.1	39.1		





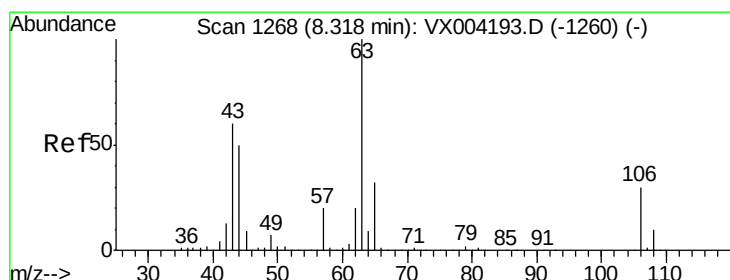
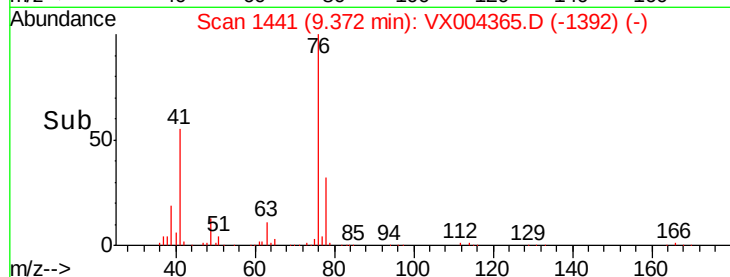
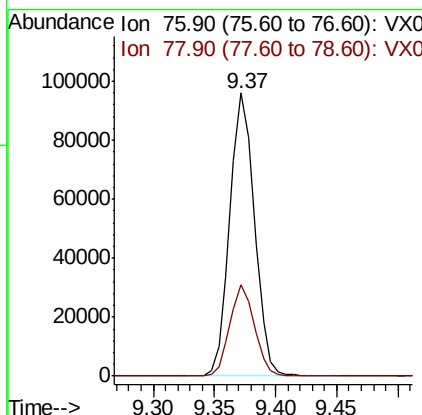
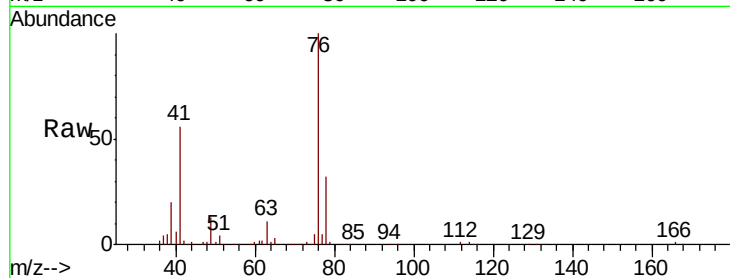
#57
 1,3-Dichloropropane
 Concen: 19.96 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Instrument :
 MSVOA_X
 ClientSampled :
 VX0905MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

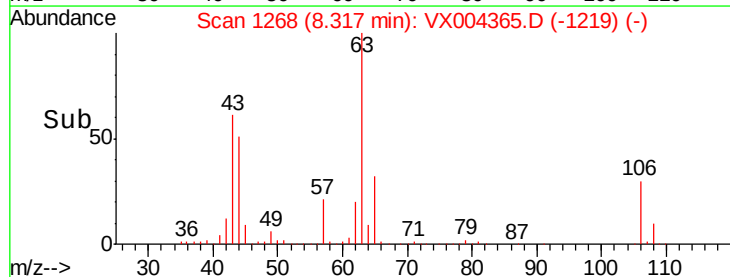
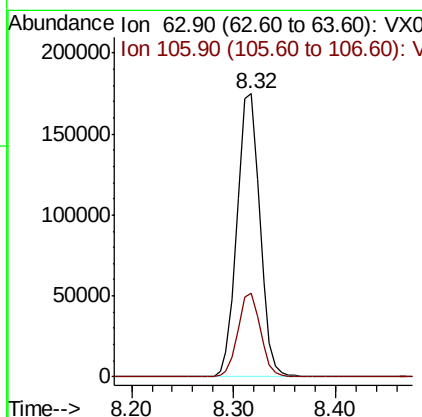
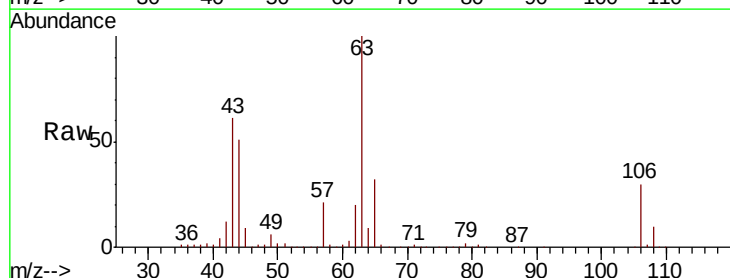
Manual Integrations
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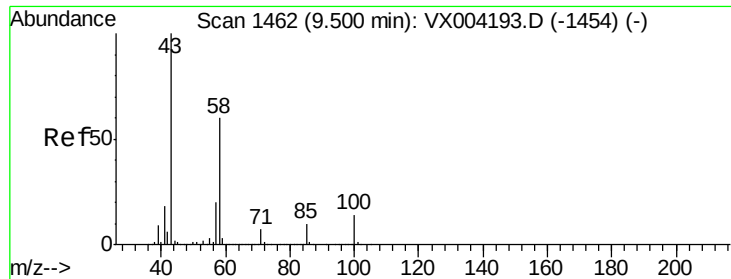
MMDadoda
 9/6/2018 12:48:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.27 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.9	35.9





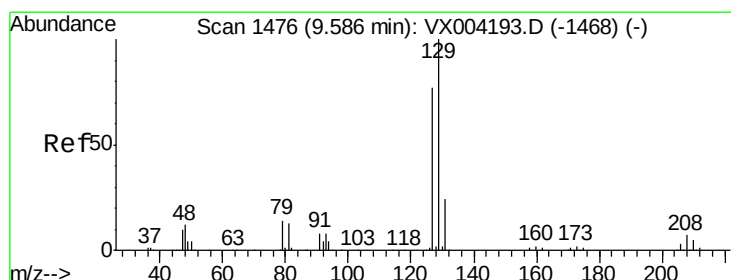
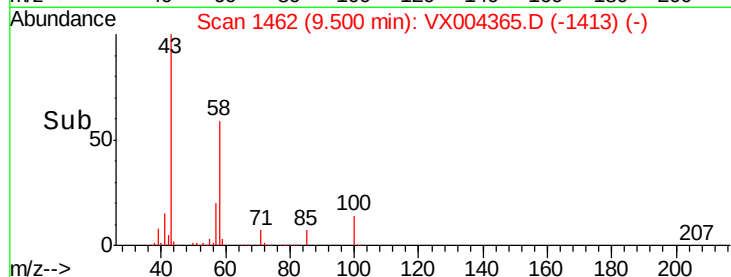
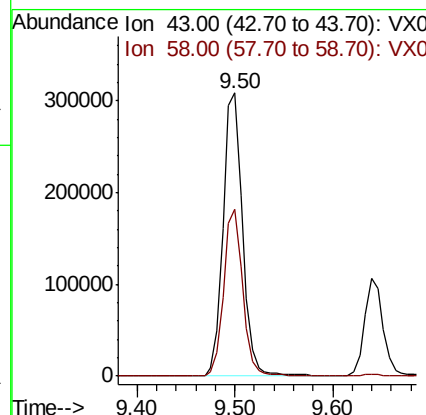
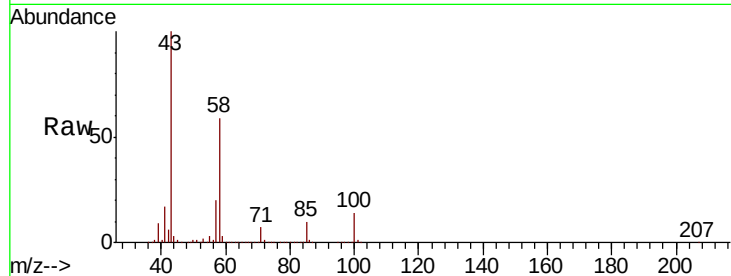
#59
2-Hexanone
Concen: 96.48 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Instrument :
MSVOA_X
ClientSampleId :
VX0905MBS01

Tot Ion: 43 Resp: 426506
Ion Ratio Lower Upper
43 100
58 57.6 29.0 87.0

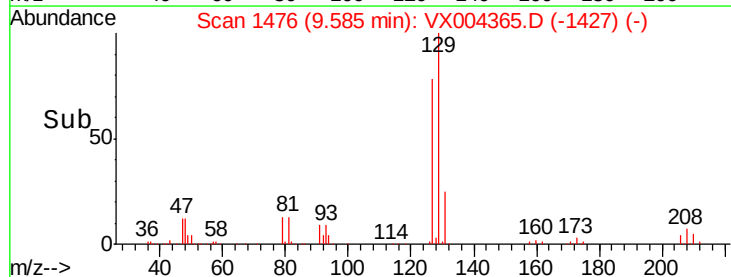
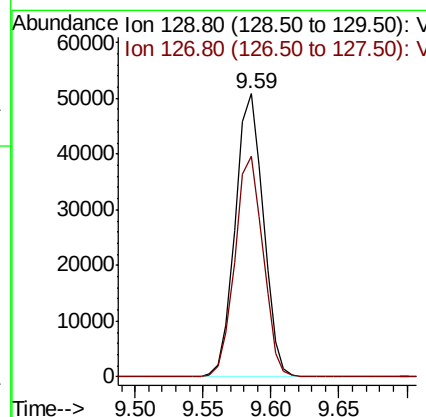
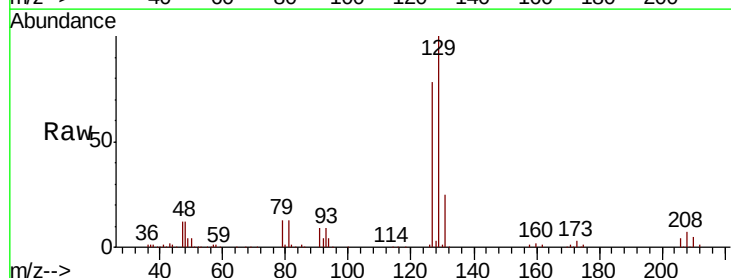
Manual Integrations
APPROVED

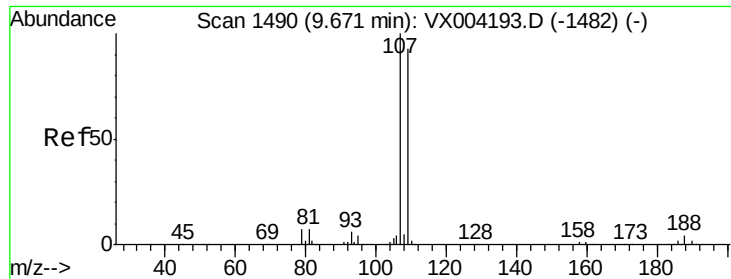
MMDadoda
9/6/2018 12:48:25 PM



#60
Dibromochloromethane
Concen: 18.91 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion: 129 Resp: 73402
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.66 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

VX0905MBS01

Tot Ion:107 Resp: 81073

Ion Ratio Lower Upper

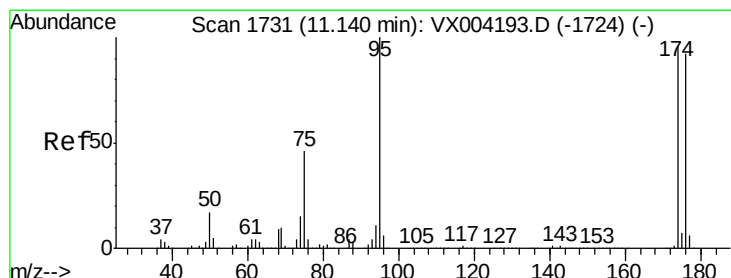
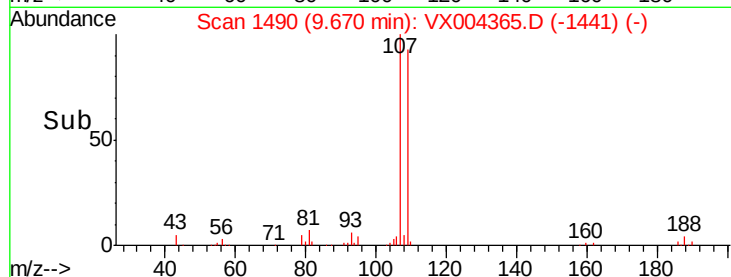
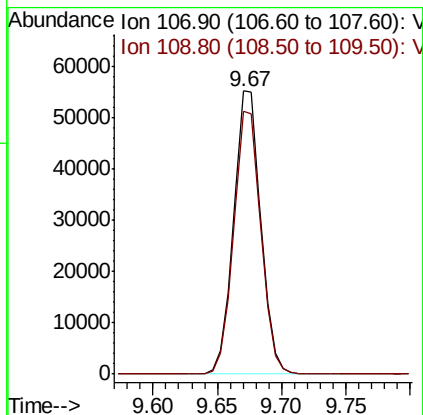
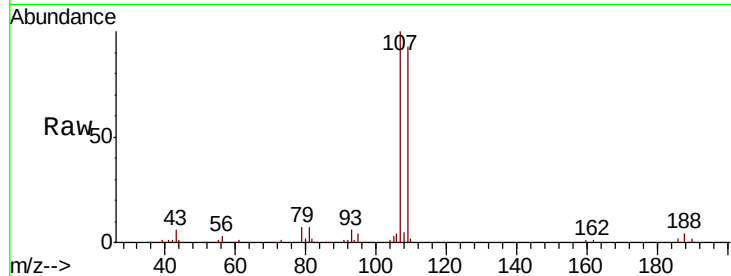
107 100

109 93.4 76.0 114.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 46.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

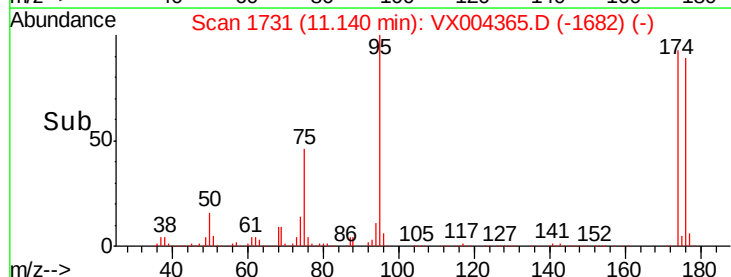
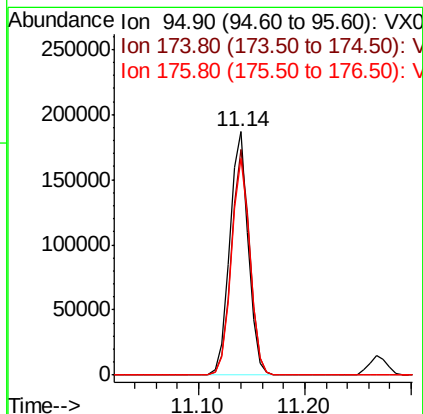
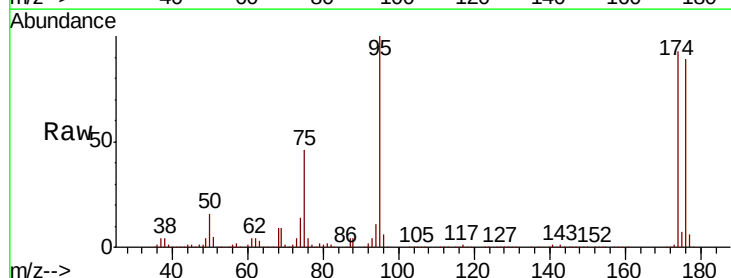
Tgt Ion: 95 Resp: 228526

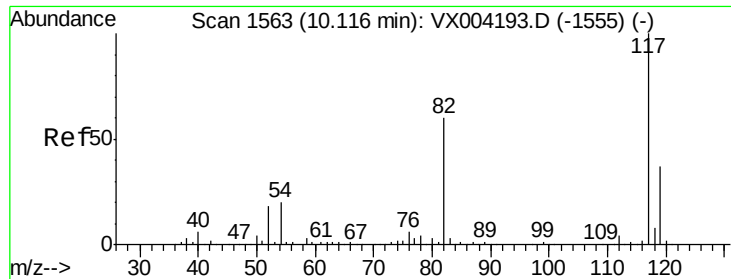
Ion Ratio Lower Upper

95 100

174 92.3 0.0 185.2

176 89.4 0.0 178.6





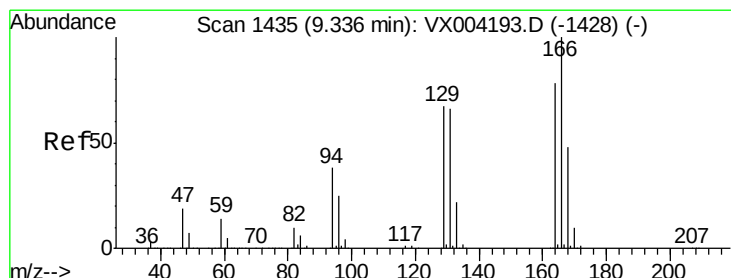
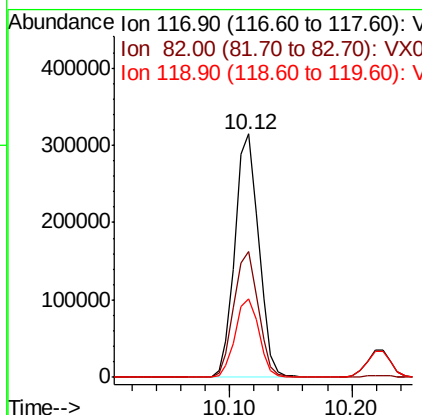
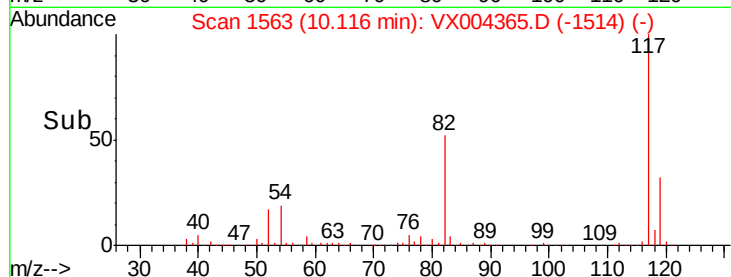
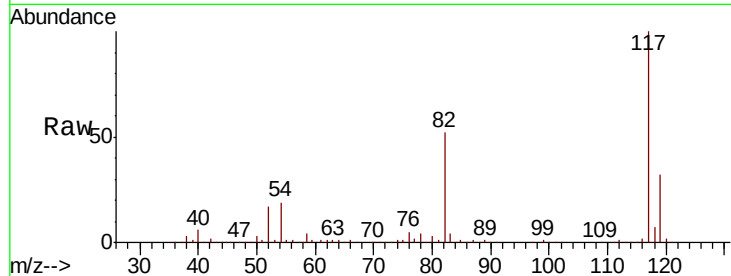
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Instrument :
MSVOA_X
ClientSampled :
VX0905MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	47.8	71.6
119	32.2	29.3	43.9

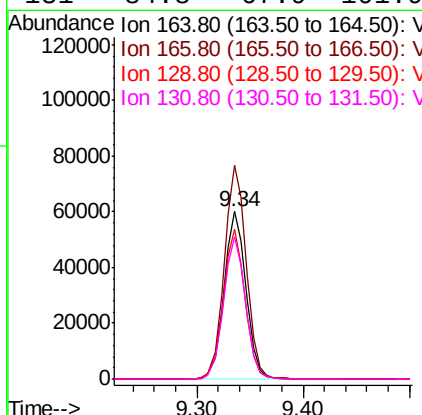
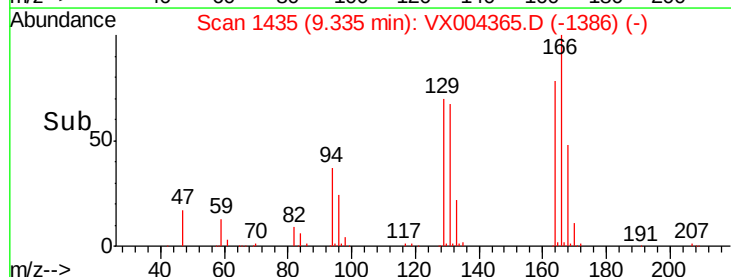
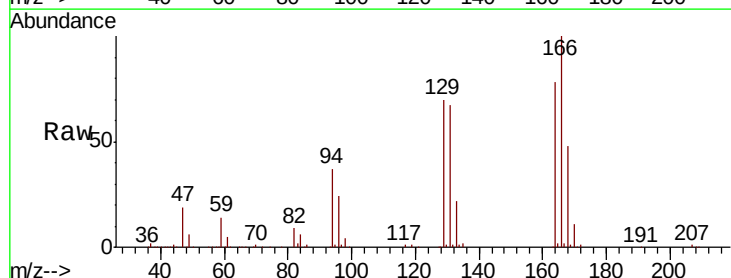
Manual Integrations
APPROVED

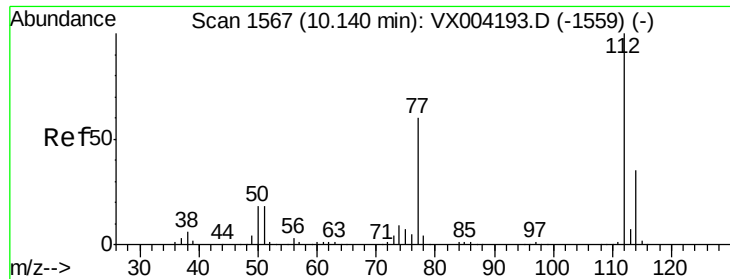
MMDadoda
9/6/2018 12:48:25 PM



#64
Tetrachloroethene
Concen: 20.68 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	102.8	154.2
129	89.3	69.4	104.0
131	84.8	67.9	101.9





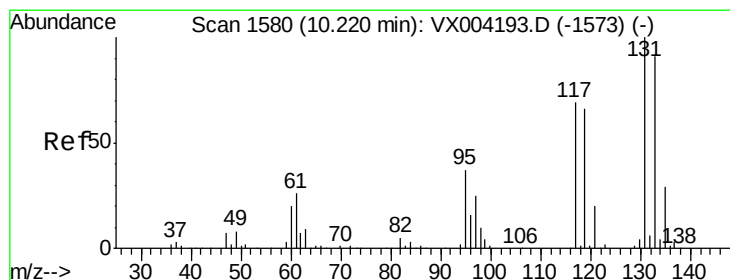
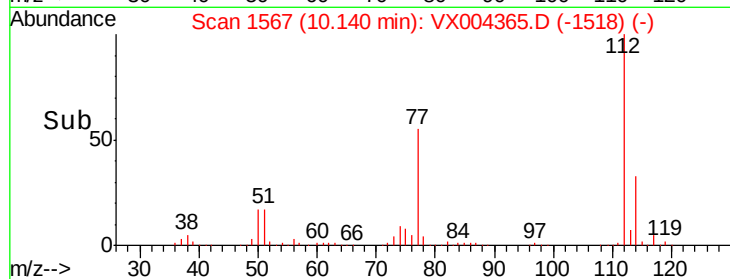
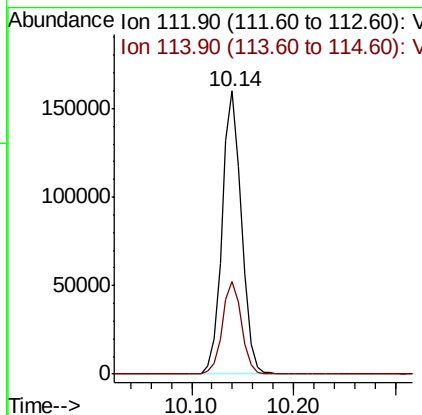
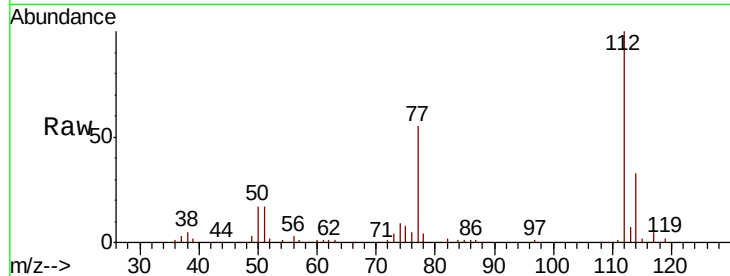
#65
Chlorobenzene
Concen: 19.93 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Instrument :
MSVOA_X
ClientSampled :
VX0905MBS01

Tot Ion:112 Resp: 211736
Ion Ratio Lower Upper
112 100
114 32.8 27.8 41.8

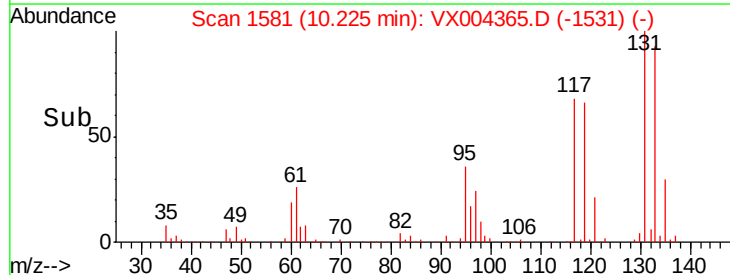
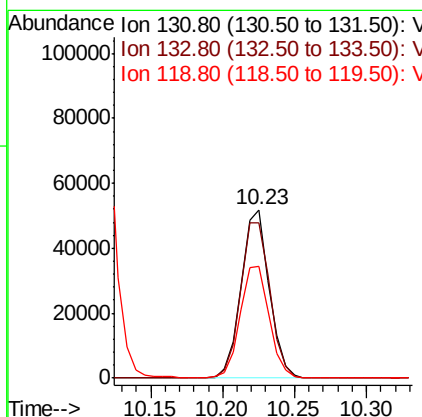
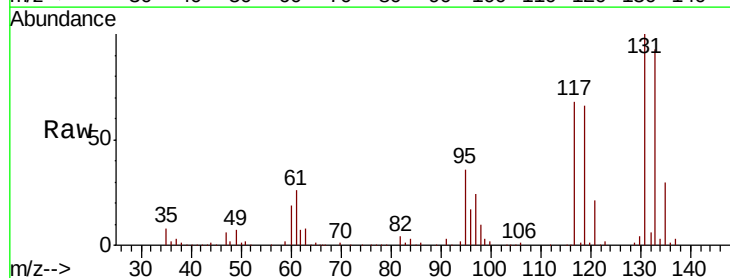
Manual Integrations
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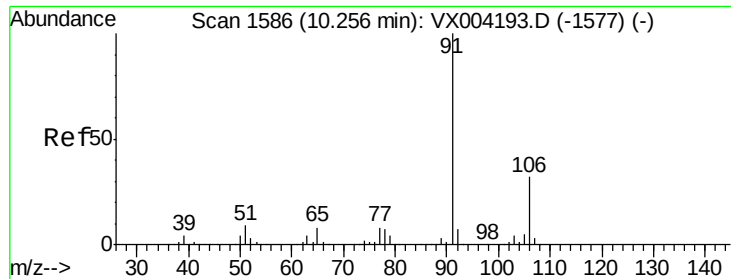
MMDadoda
9/6/2018 12:48:25 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.06 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion:131 Resp: 69846
Ion Ratio Lower Upper
131 100
133 97.5 48.1 144.4
119 69.0 32.9 98.6





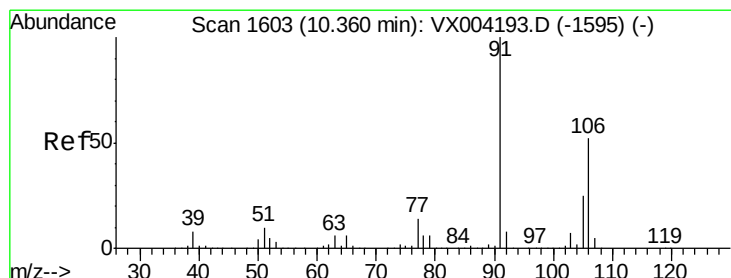
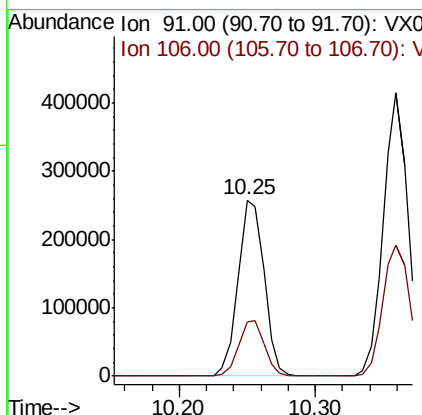
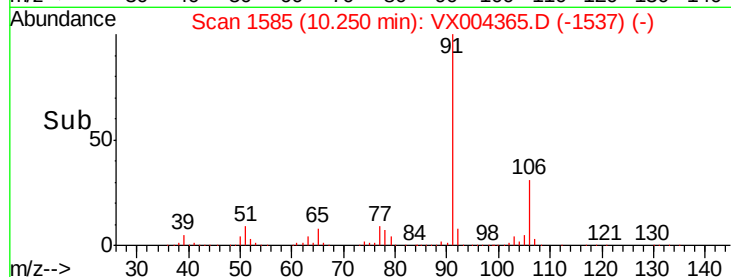
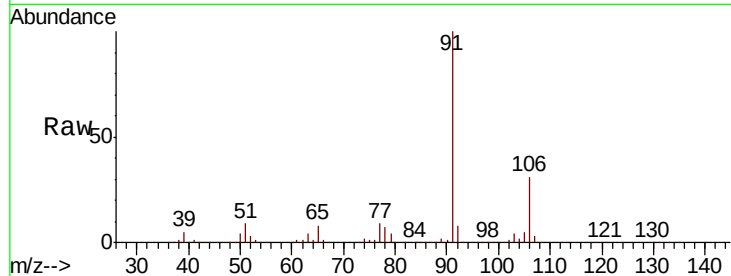
#67
Ethyl Benzene
Concen: 20.02 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Instrument :
MSVOA_X
ClientSampleId :
VX0905MBS01

Tot Ion: 91 Resp: 345533
Ion Ratio Lower Upper
91 100
106 31.1 25.9 38.9

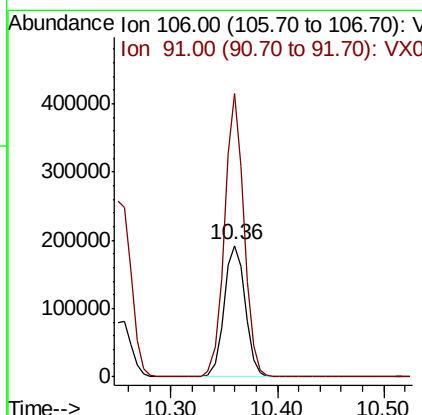
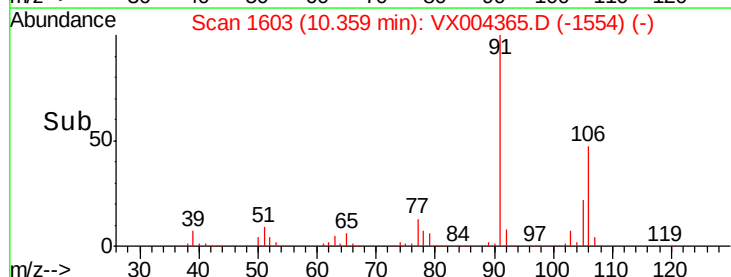
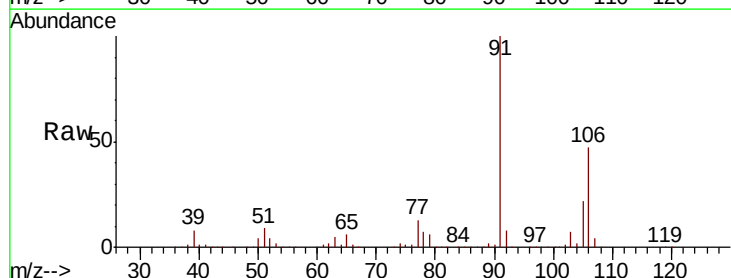
Manual Integrations
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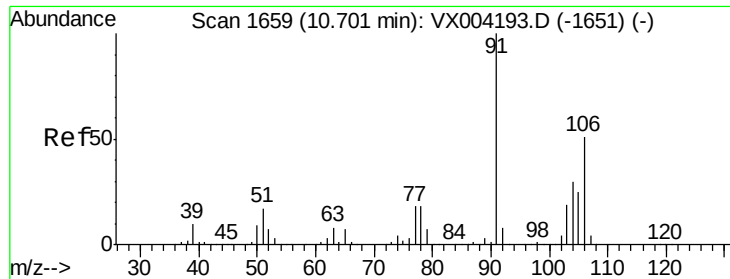
MMDadoda
9/6/2018 12:48:25 PM



#68
m/p-Xylenes
Concen: 39.55 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion: 106 Resp: 266878
Ion Ratio Lower Upper
106 100
91 198.7 157.1 235.7





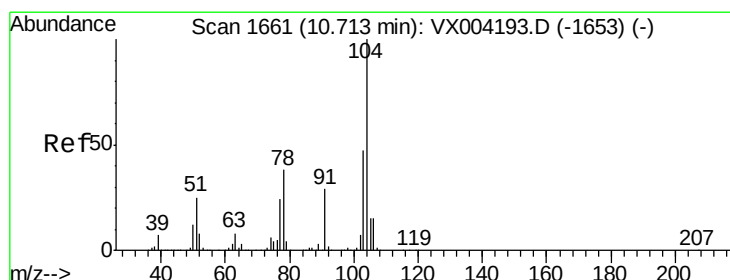
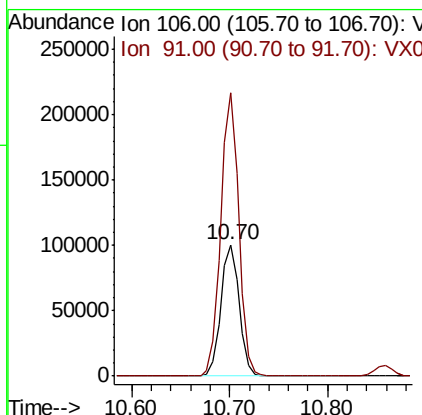
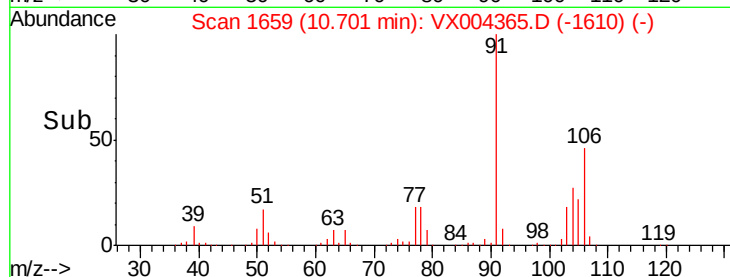
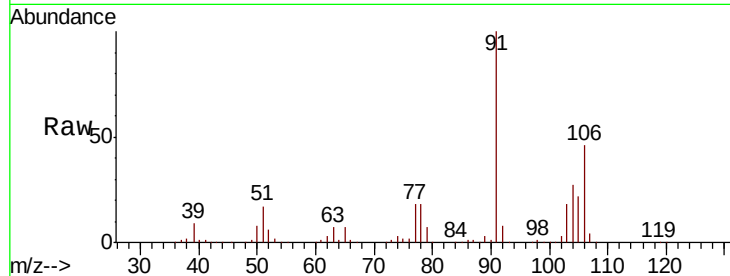
#69
o-Xylene
Concen: 20.44 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Instrument :
MSVOA_X
ClientSampled :
VX0905MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.2	105.1	315.1

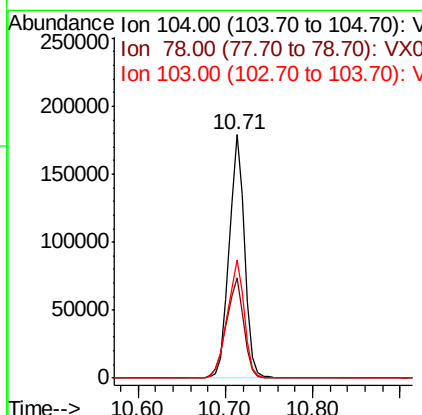
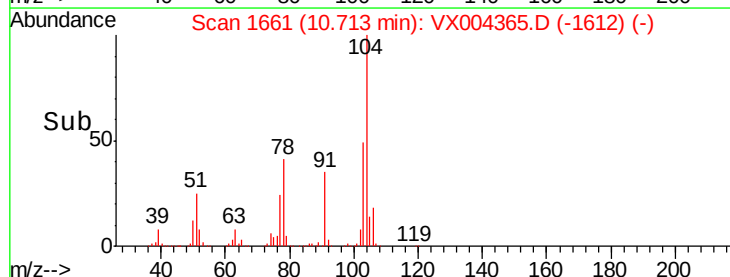
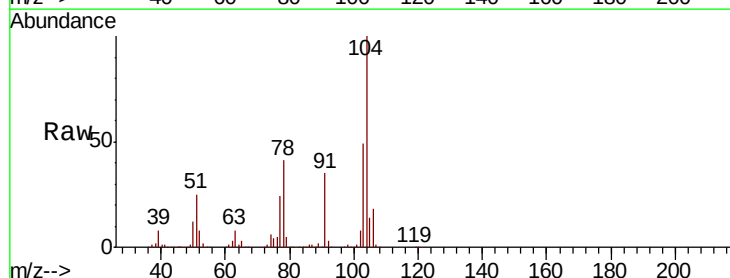
Manual Integrations
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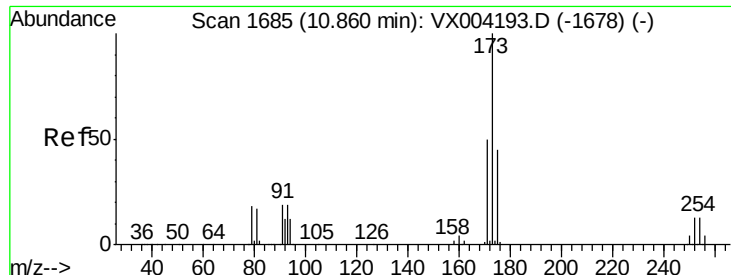
MMDadoda
9/6/2018 12:48:25 PM



#70
Styrene
Concen: 21.30 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.3	37.4	56.0
103	53.5	43.8	65.6





#71

Bromoform

Concen: 18.75 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampled :

VX0905MBS01

Tot Ion:173 Resp: 55400

Ion Ratio Lower Upper

173 100

175 49.1 24.1 72.3

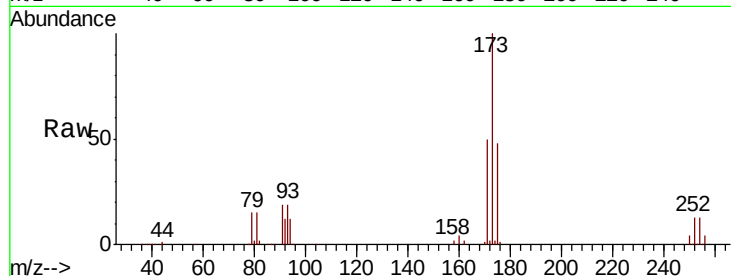
254 0.1 0.2 0.2#

Manual Integrations

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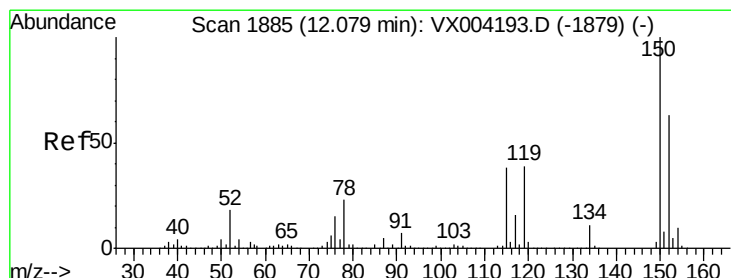
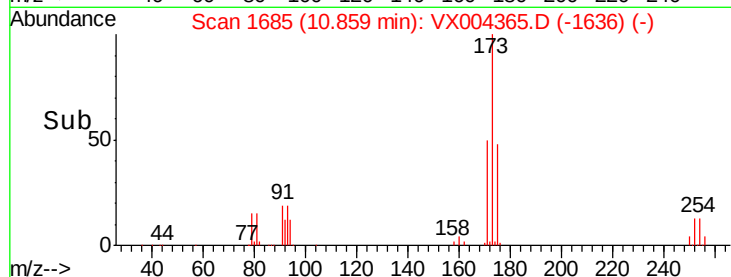
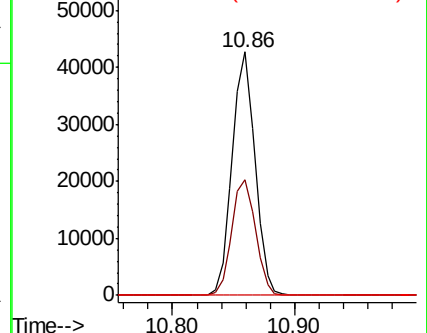
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 1885

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

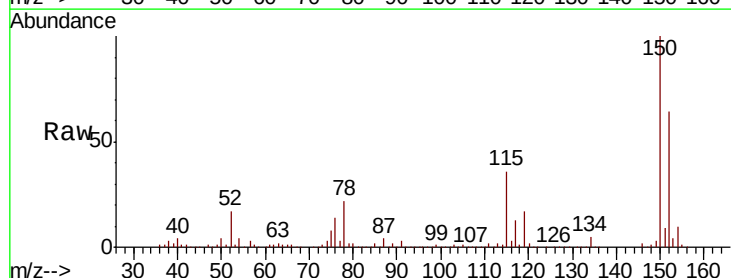
Tgt Ion:152 Resp: 268953

Ion Ratio Lower Upper

152 100

115 63.4 39.0 117.0

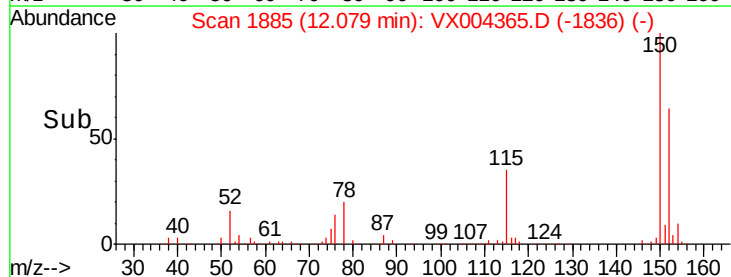
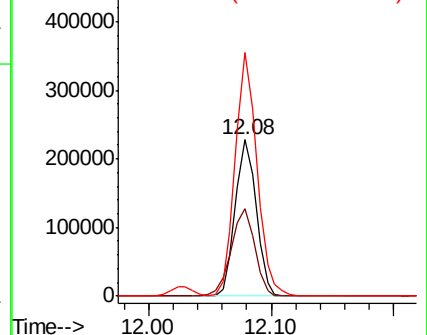
150 161.9 0.0 351.0

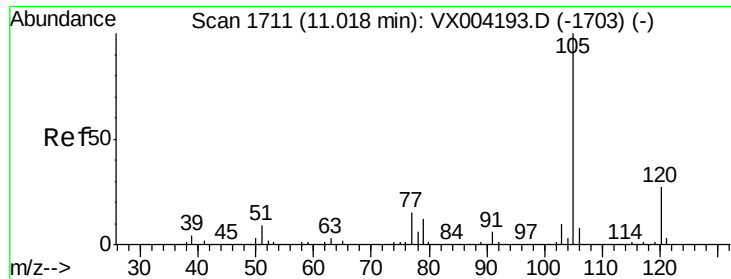


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.81 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

VX0905MBS01

Tot Ion: 105 Resp: 367631

Ion Ratio Lower Upper

105 100

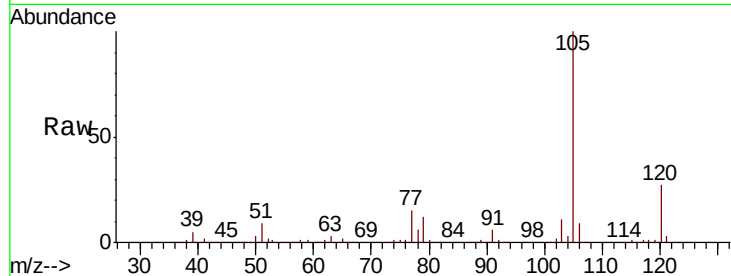
120 26.9 13.5 40.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

200000

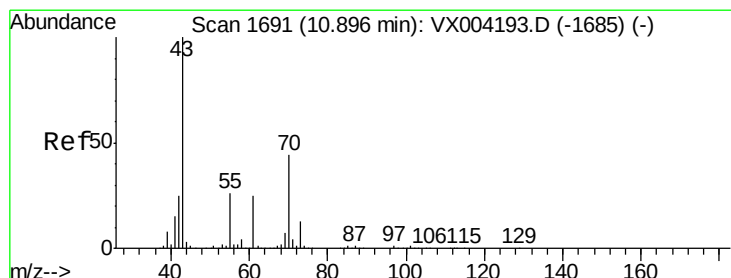
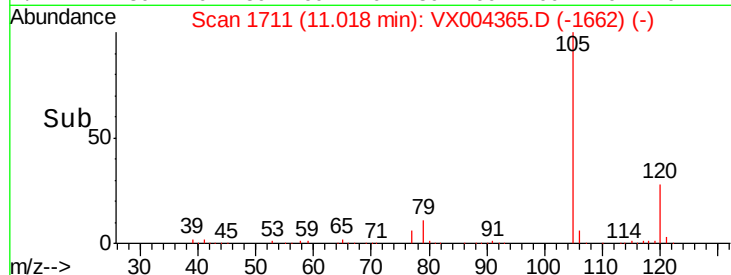
100000

0

11.02

11.10

Time-->



#74

N-ethyl acetate

Concen: 19.48 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Tgt Ion: 43 Resp: 132472

Ion Ratio Lower Upper

43 100

70 46.5 37.4 56.0

55 28.3 21.8 32.8

61 25.5 20.6 30.8

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

150000

100000

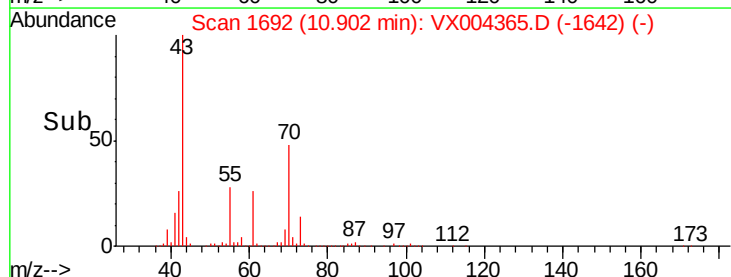
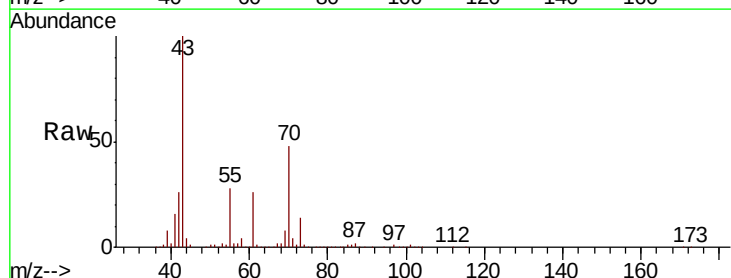
50000

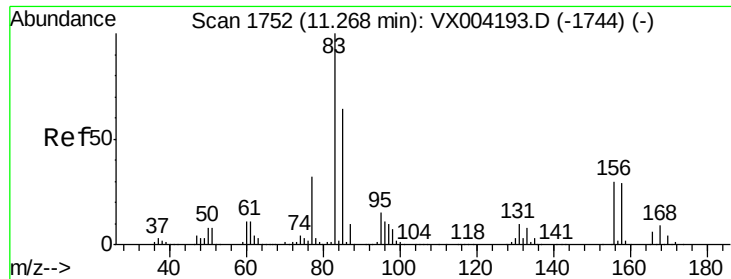
0

10.90

11.00

Time-->





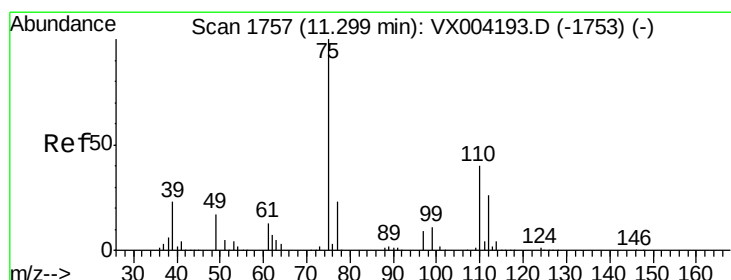
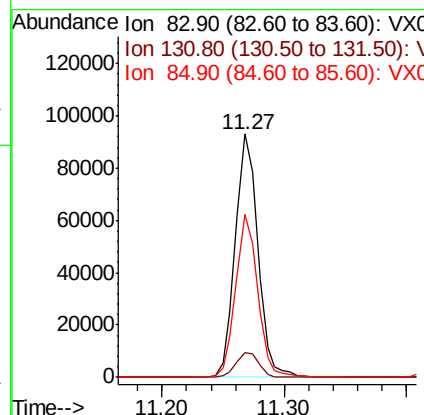
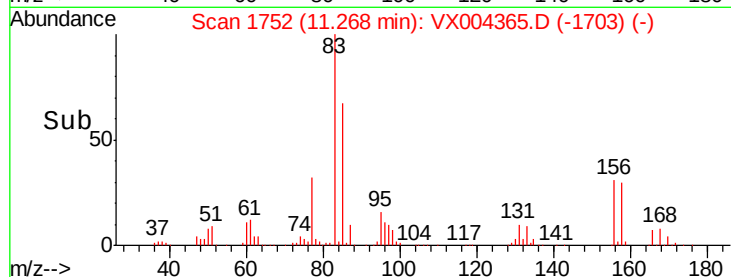
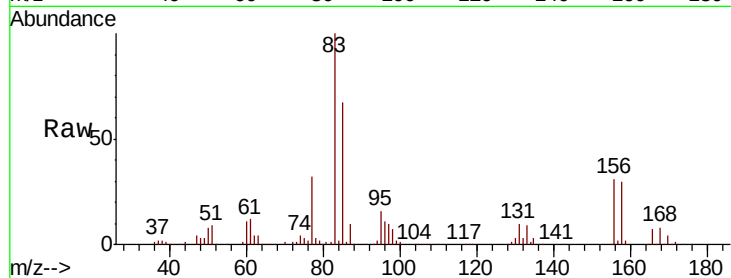
#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.20 ug/l
 RT: 11.27 min Scan# 1752
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.3	5.2	15.6	
85	65.2	32.3	96.8	

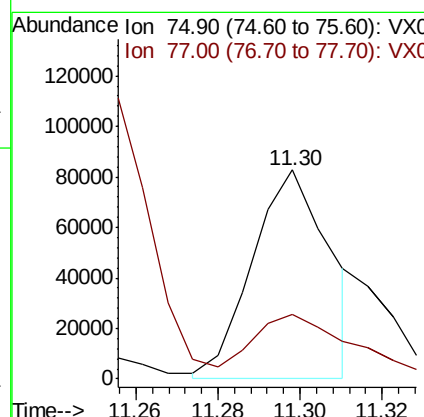
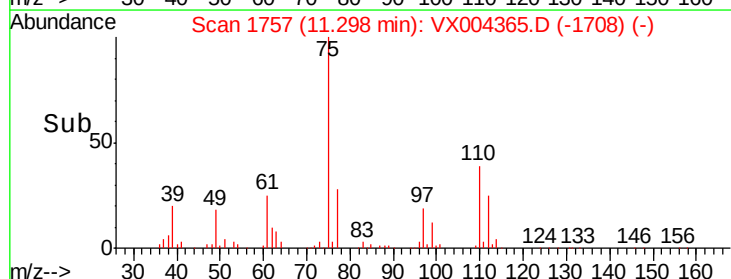
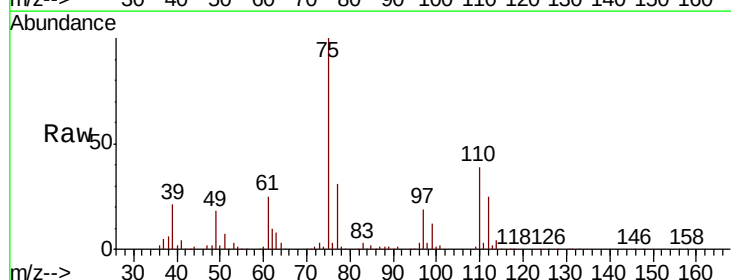
Manual Integrations
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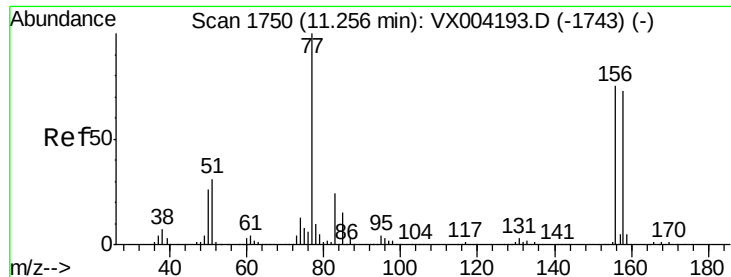
MMDadoda
 9/6/2018 12:48:25 PM



#76
 1,2,3-Trichloropropane
 Concen: 19.90 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	39.6	20.2	60.6	





#77

Bromobenzene

Concen: 19.88 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampled :

VX0905MBS01

Tot Ion:156 Resp: 98528

Ion Ratio Lower Upper

156 100

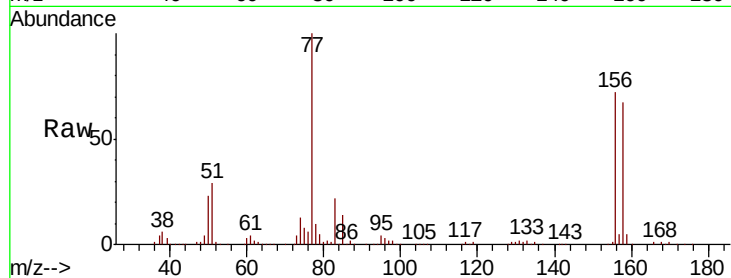
77 145.8 71.5 214.3

158 96.6 48.9 146.8

Manual Integrations
APPROVED

MMDadoda

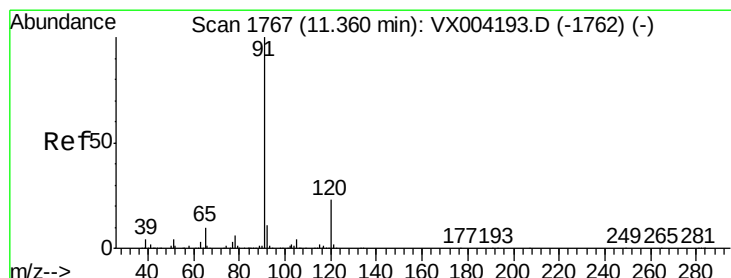
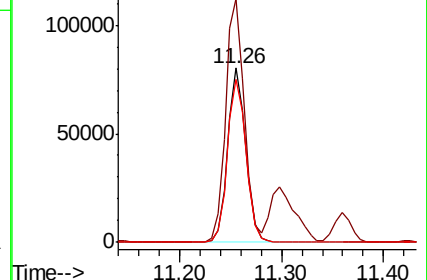
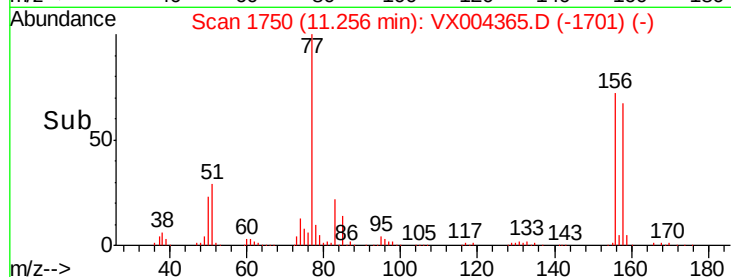
9/6/2018 12:48:25 PM



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: 20.59 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004365.D

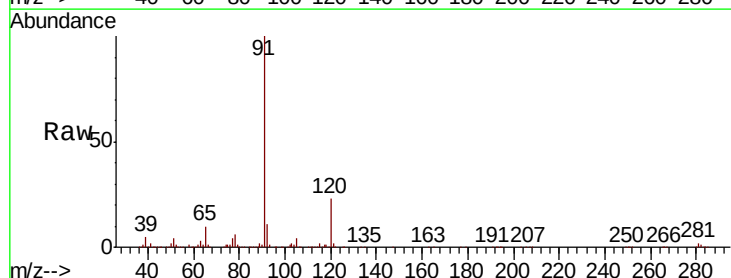
Acq: 05 Sep 2018 12:15

Tgt Ion: 91 Resp: 418295

Ion Ratio Lower Upper

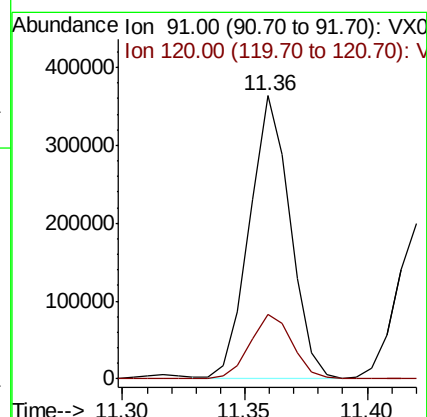
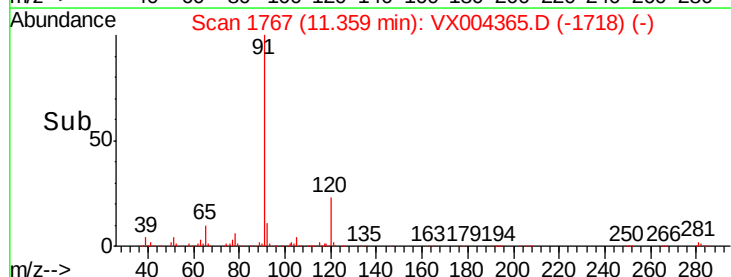
91 100

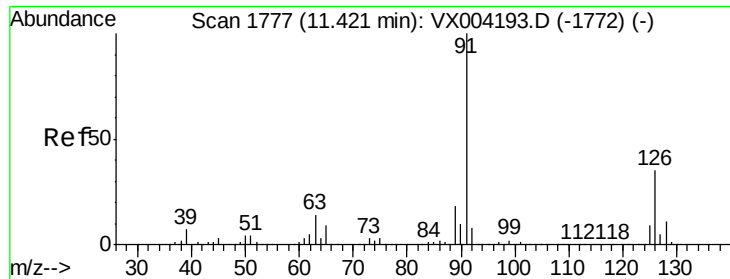
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.04 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

VX0905MBS01

Tot Ion: 91 Resp: 250576

Ion Ratio Lower Upper

91 100

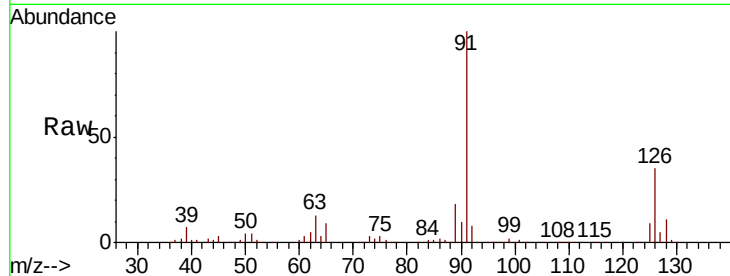
126 35.3 17.9 53.7

Manual Integrations

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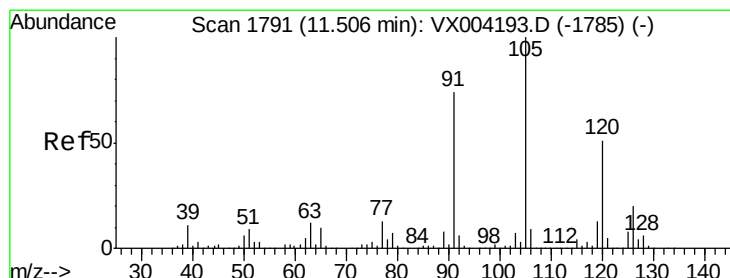
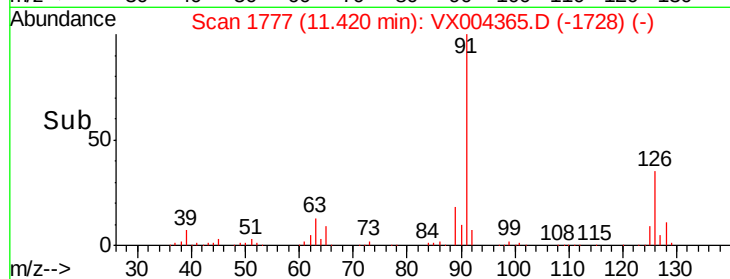
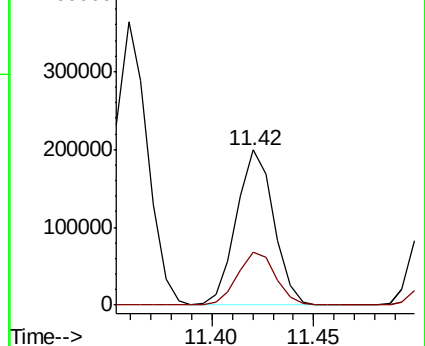
MMDadoda

9/6/2018 12:48:25 PM



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: 20.78 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004365.D

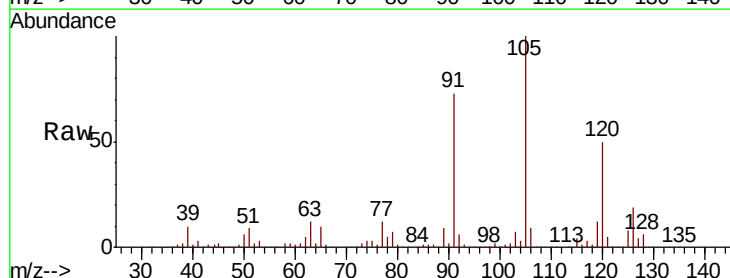
Acq: 05 Sep 2018 12:15

Tgt Ion: 105 Resp: 303991

Ion Ratio Lower Upper

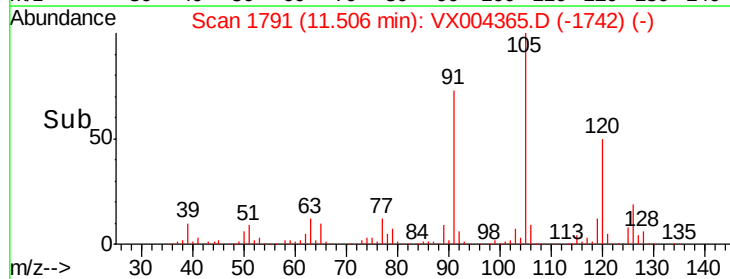
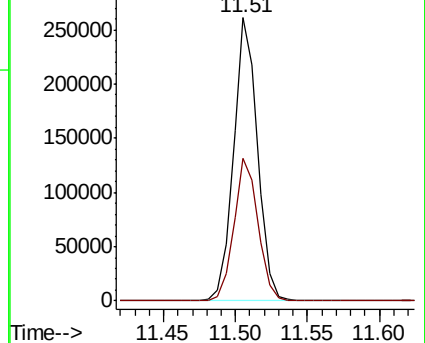
105 100

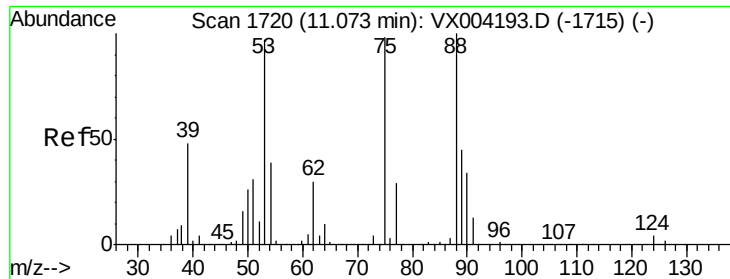
120 50.9 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





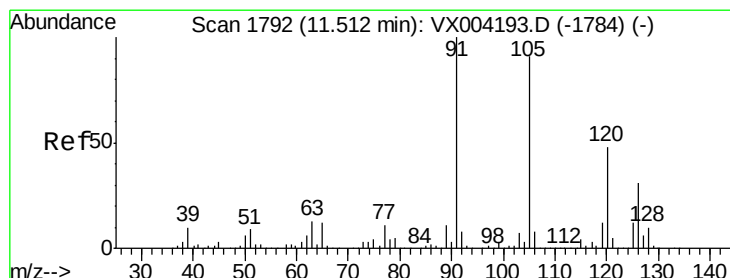
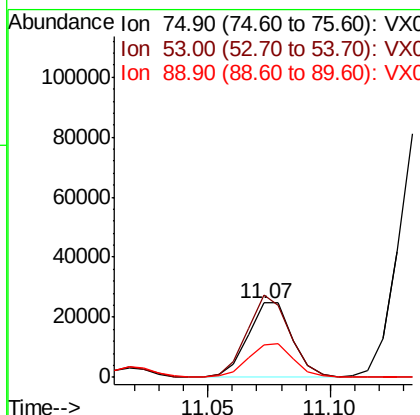
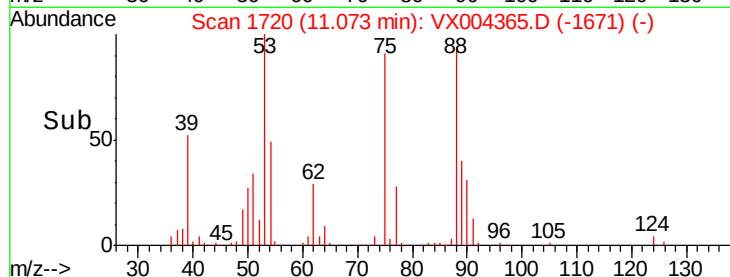
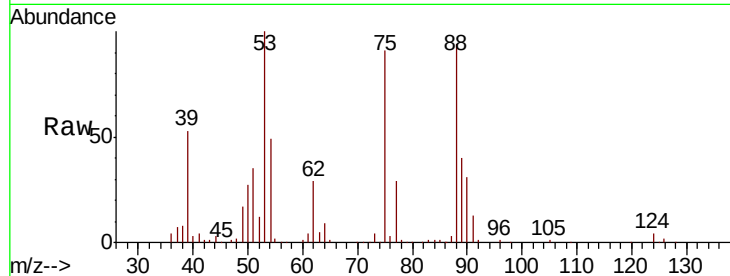
#81
trans-1,4-Dichloro-2-butene
Concen: 18.54 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Instrument :
MSVOA_X
ClientSampled :
VX0905MBS01

Tot Ion: 75 Resp: 31264
Ion Ratio Lower Upper
75 100
53 106.3 80.1 120.1
89 46.0 37.2 55.8

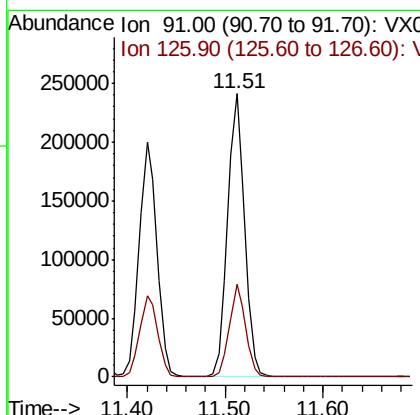
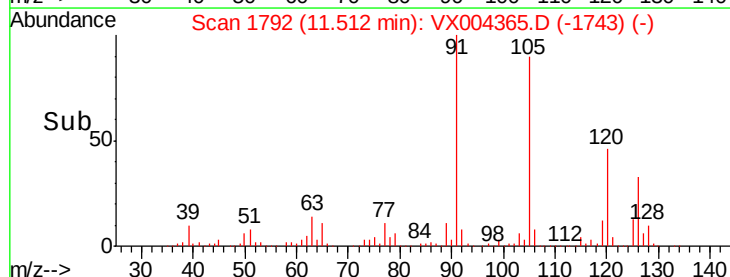
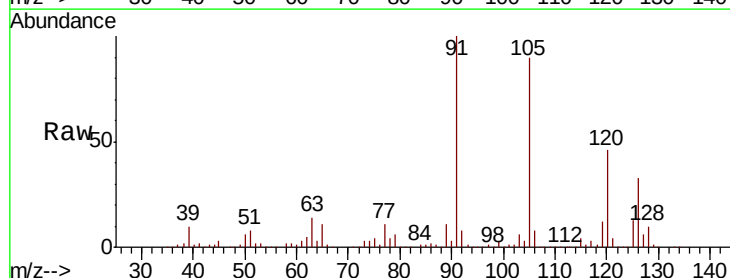
Manual Integrations
APPROVED

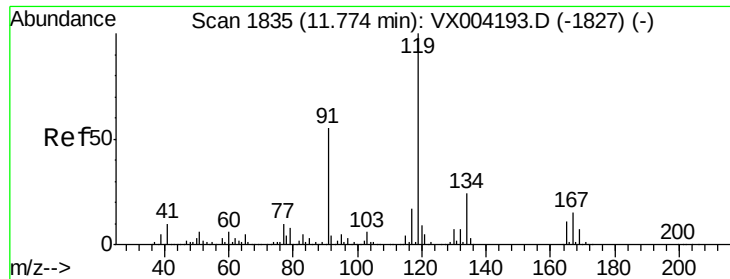
MMDadoda
9/6/2018 12:48:25 PM



#82
4-Chlorotoluene
Concen: 19.85 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion: 91 Resp: 292107
Ion Ratio Lower Upper
91 100
126 31.2 15.5 46.5





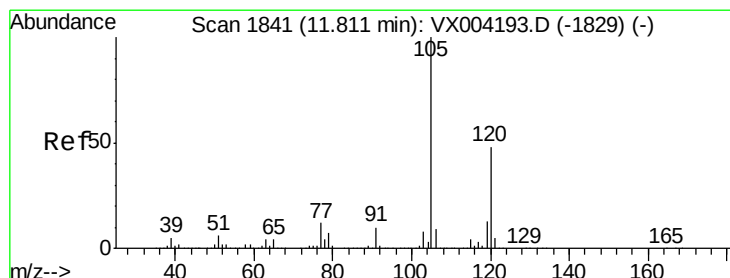
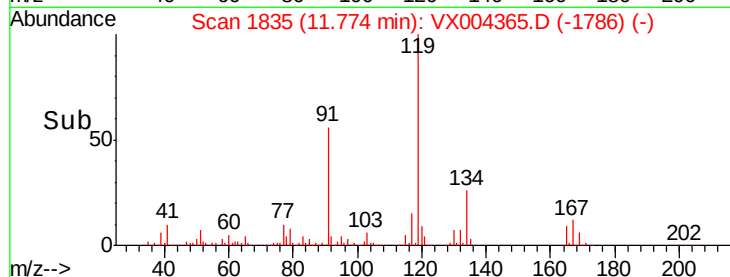
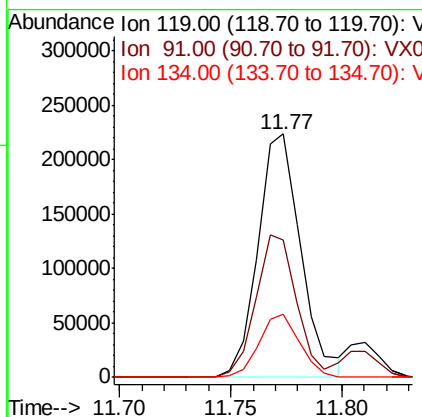
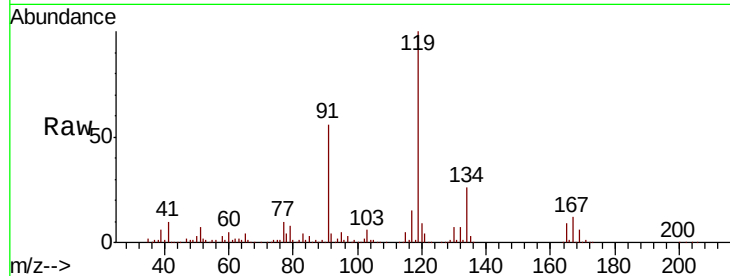
#83
 tert-Butylbenzene
 Concen: 20.36 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	299604		
91	55.4		27.0	81.0
134	24.7		11.7	35.1

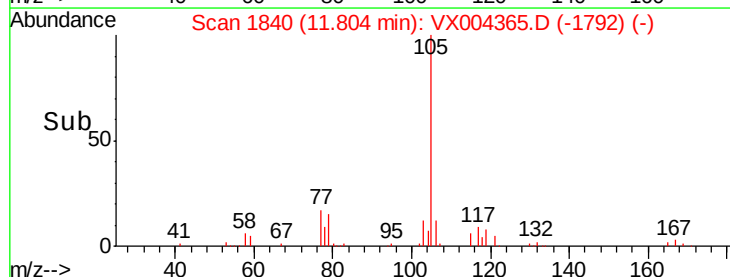
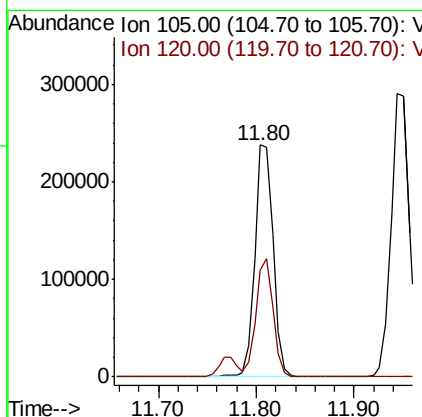
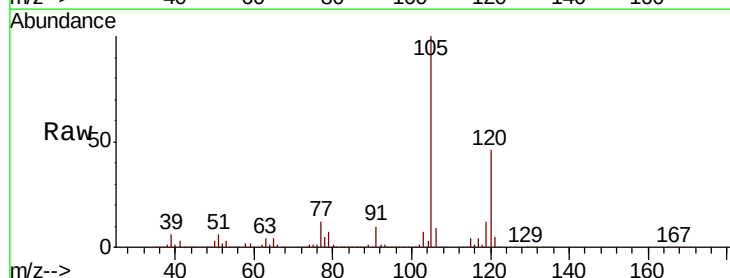
Manual Integrations
 APPROVED

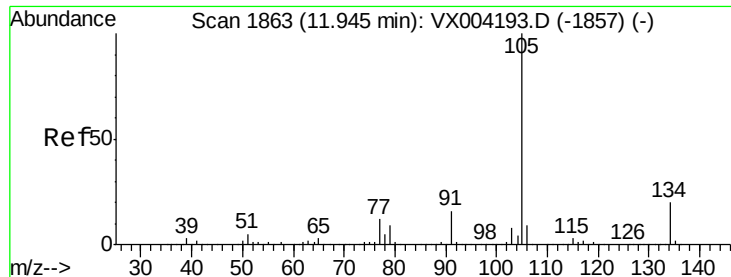
MMDadoda
 9/6/2018 12:48:25 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.58 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	309061		
120	47.5		23.2	69.6





#85

sec-Butylbenzene

Concen: 21.17 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

ClientSampleId :

VX0905MBS01

Tot Ion:105 Resp: 369976

Ion Ratio Lower Upper

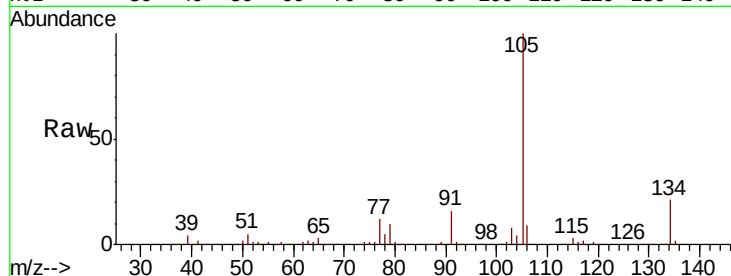
105 100

134 20.9 10.5 31.5

Manual Integrations
APPROVED

MMDadoda

9/6/2018 12:48:25 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

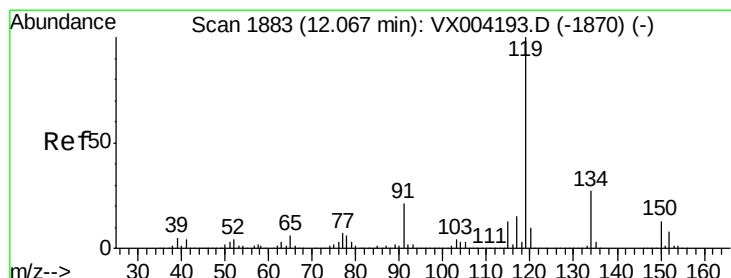
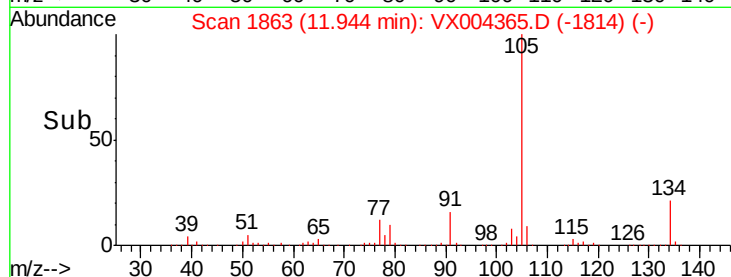
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.99 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

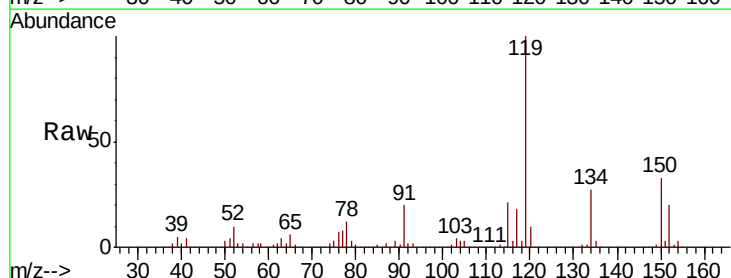
Tgt Ion:119 Resp: 328666

Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.2

91 21.3 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

400000

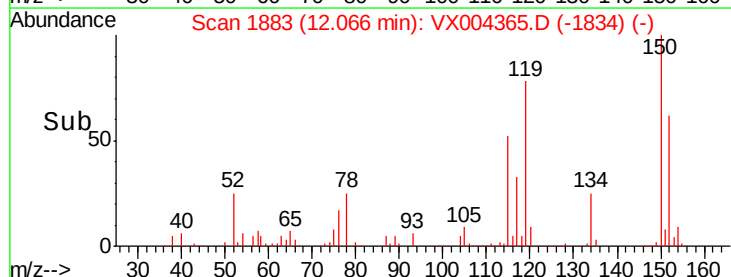
300000

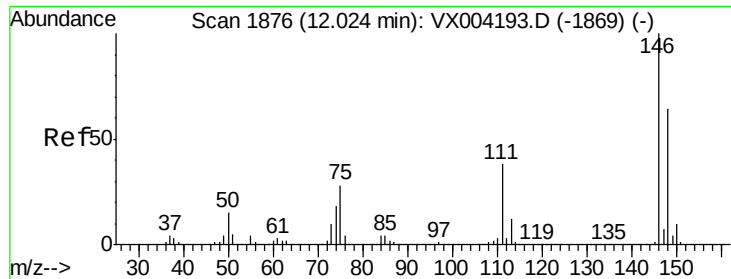
200000

100000

0

Time-->





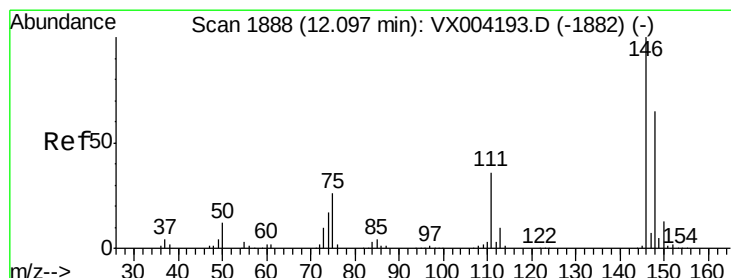
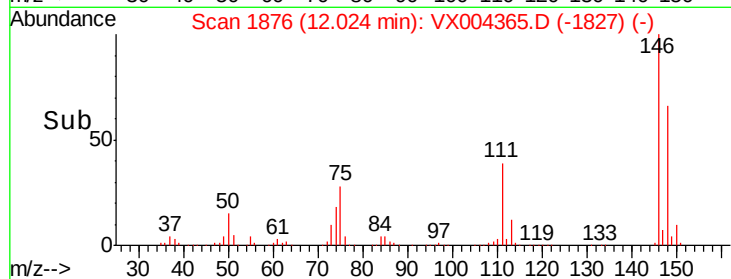
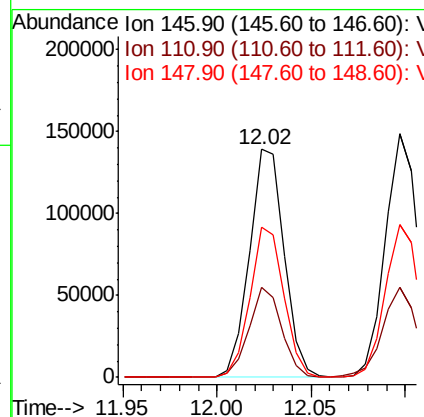
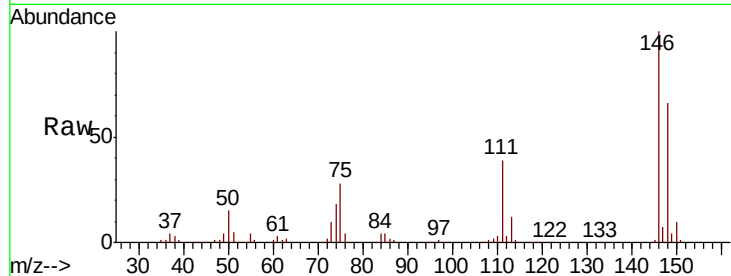
#87
 1,3-Dichlorobenzene
 Concen: 19.05 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.7	56.1
148	64.3	32.1	96.5

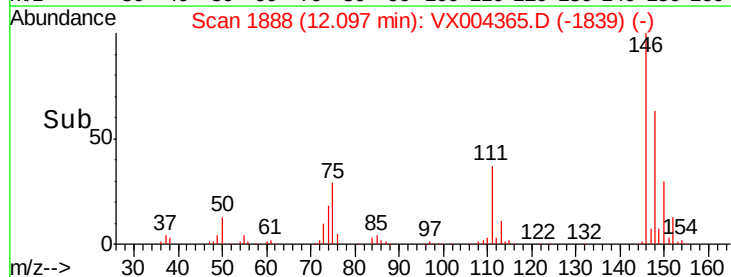
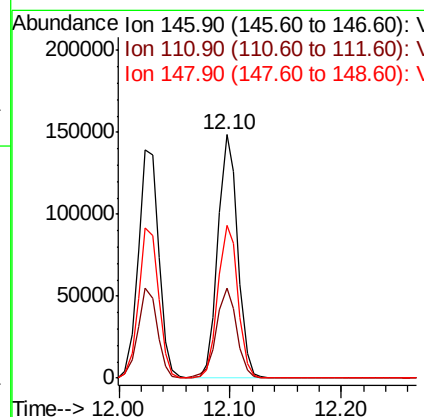
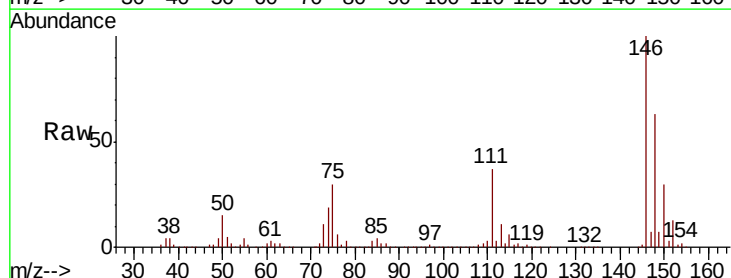
Manual Integrations
 APPROVED

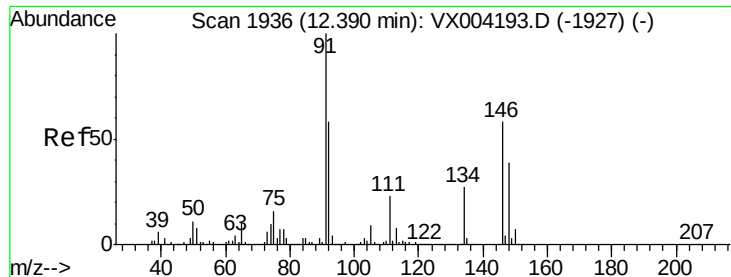
MMDadoda
 9/6/2018 12:48:25 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.56 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.1
148	63.8	32.0	96.0





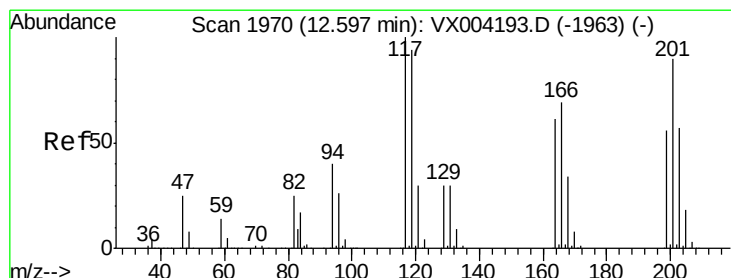
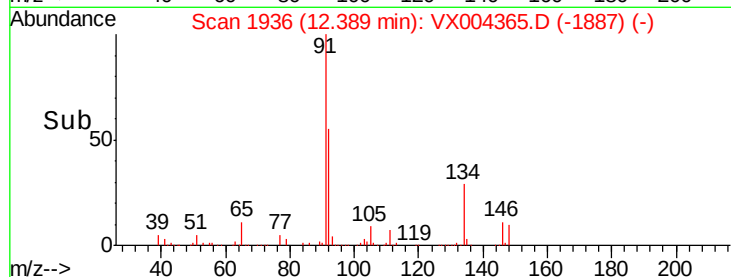
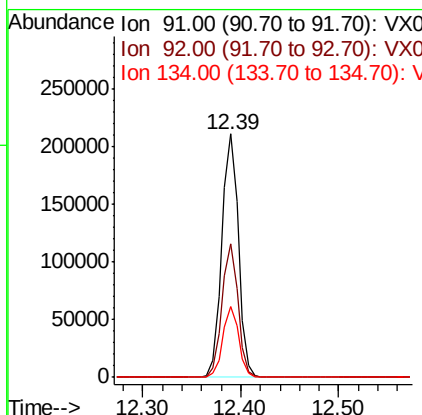
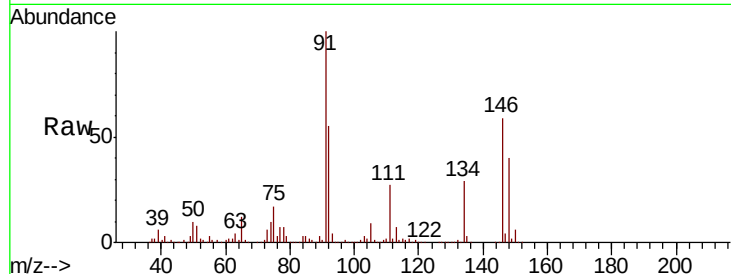
#89
n-Butylbenzene
Concen: 19.53 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Instrument :
MSVOA_X
ClientSampled :
VX0905MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	248643		
92	53.2		27.3	81.9
134	27.8		13.6	40.7

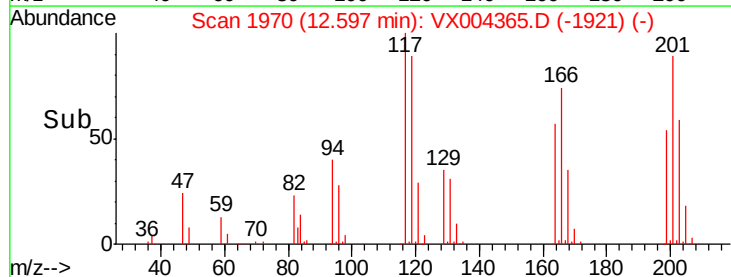
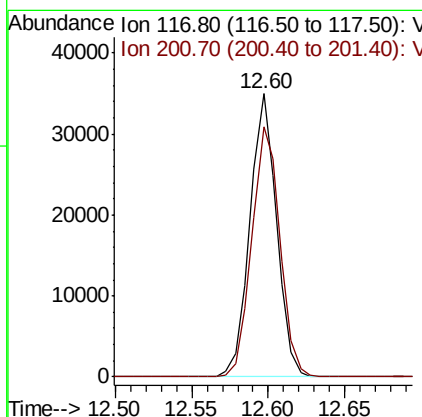
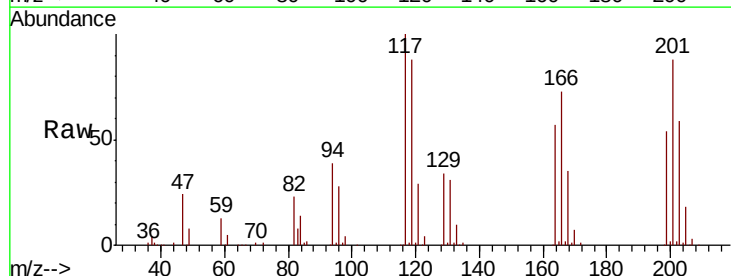
Manual Integrations
APPROVED

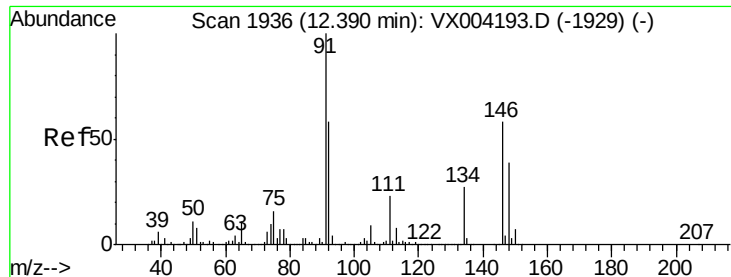
MMDadoda
9/6/2018 12:48:25 PM



#90
Hexachloroethane
Concen: 19.34 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004365.D
Acq: 05 Sep 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42338		
201	92.9		46.9	140.6





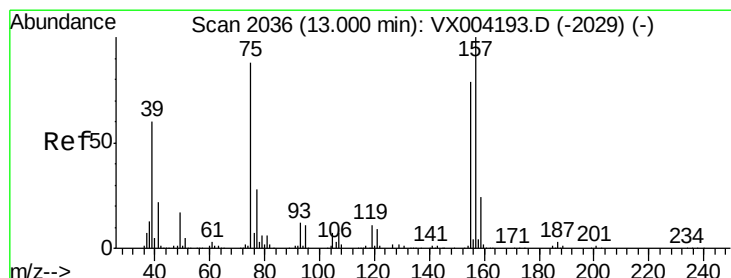
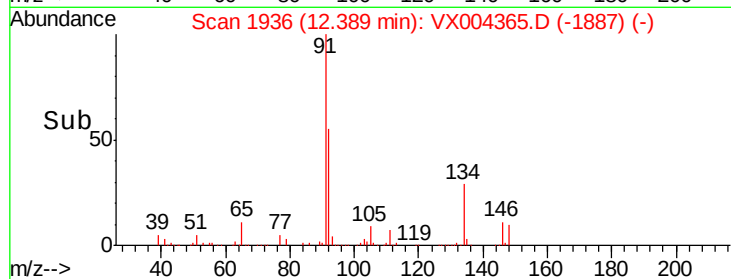
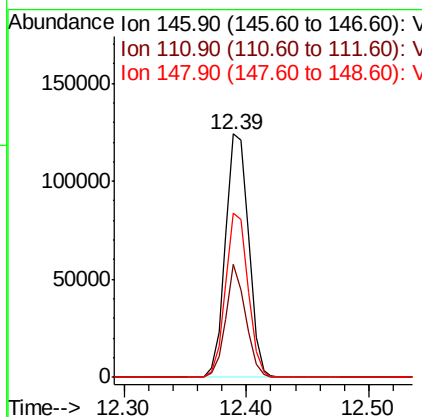
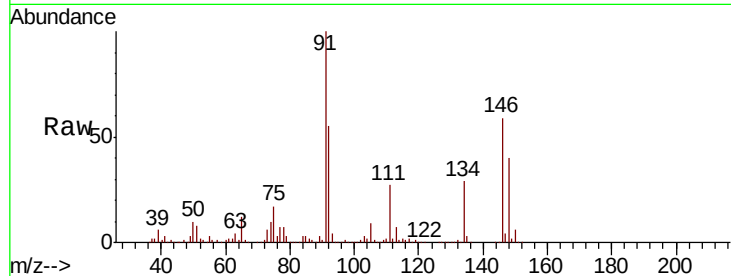
#91
 1,2-Dichlorobenzene
 Concen: 19.03 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	162295		
111	39.8	19.4	58.1	
148	65.4	32.8	98.3	

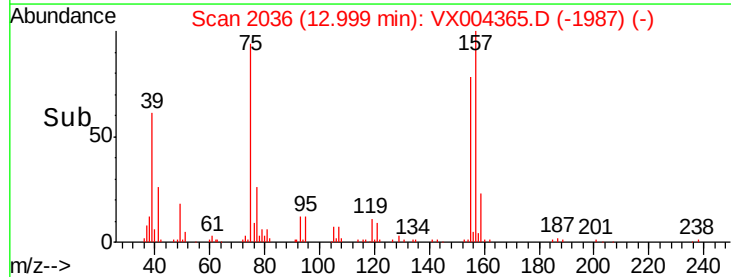
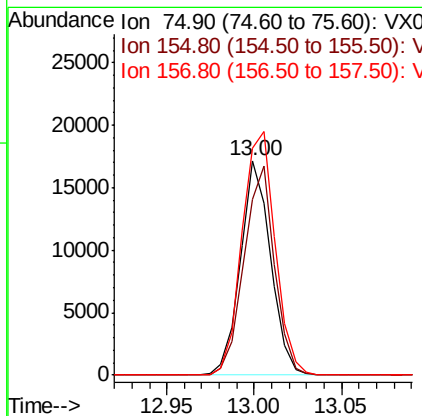
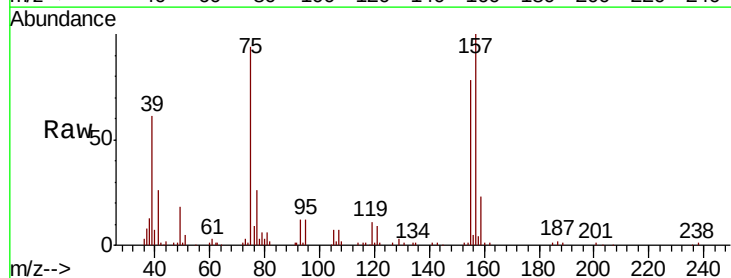
Manual Integrations
 APPROVED

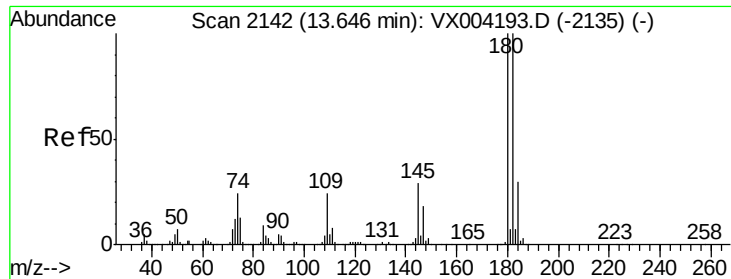
MMDadoda
 9/6/2018 12:48:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.85 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20523		
155	99.1	48.0	144.2	
157	124.5	61.4	184.1	





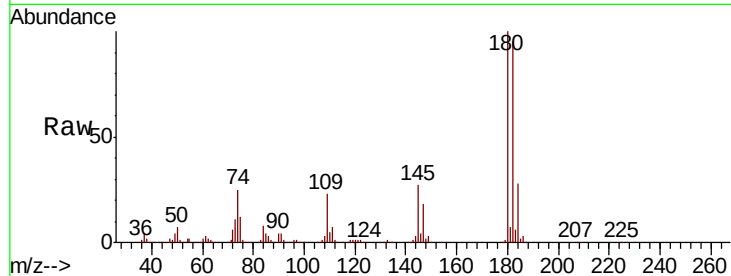
#93
 1,2,4-Trichlorobenzene
 Concen: 20.34 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBS01

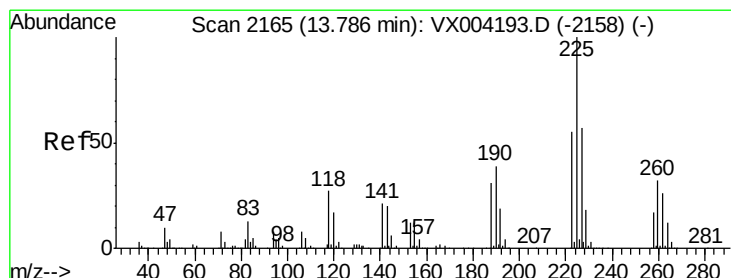
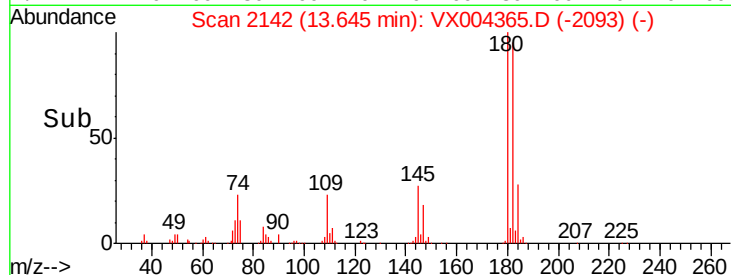
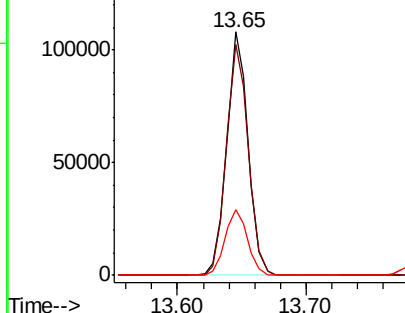
Tot Ion:	180	Resp:	126219
Ion Ratio	Lower	Upper	
180	100		
182	97.4	48.4	145.0
145	28.4	14.3	42.9

Manual Integrations
 APPROVED

MMDadoda
 9/6/2018 12:48:25 PM

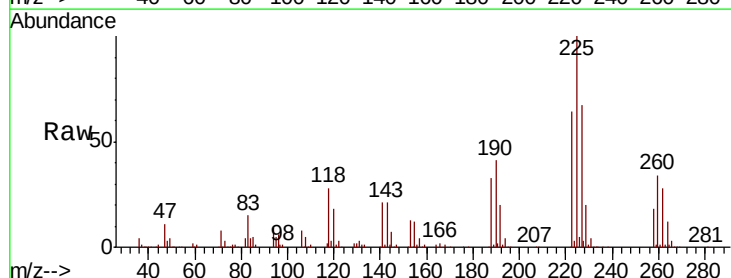


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

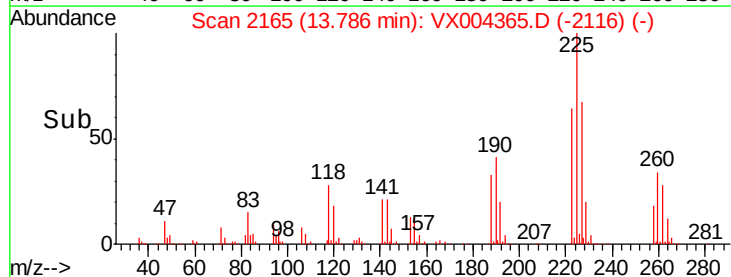
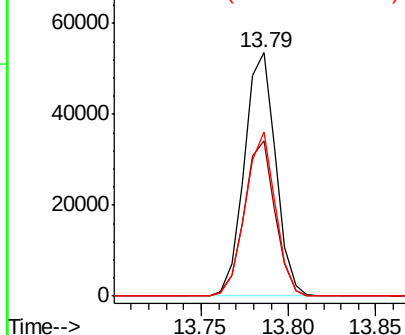


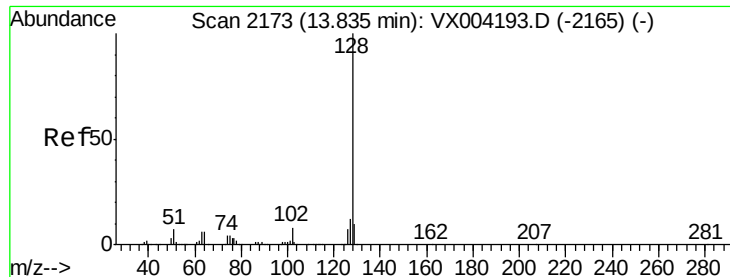
#94
 Hexachlorobutadiene
 Concen: 22.95 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004365.D
 Acq: 05 Sep 2018 12:15

Tgt Ion:	225	Resp:	66461
Ion Ratio	Lower	Upper	
225	100		
223	62.5	30.1	90.5
227	64.8	30.8	92.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.80 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Instrument :

MSVOA_X

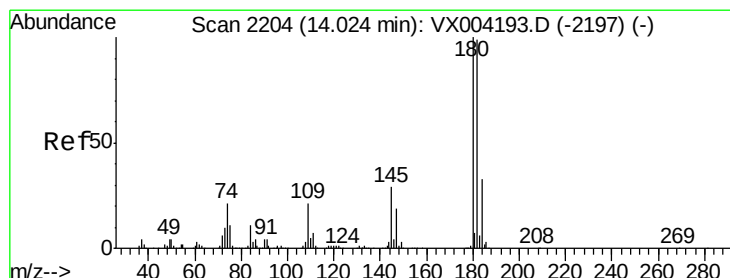
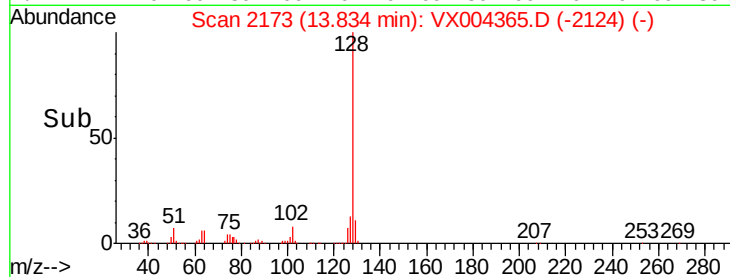
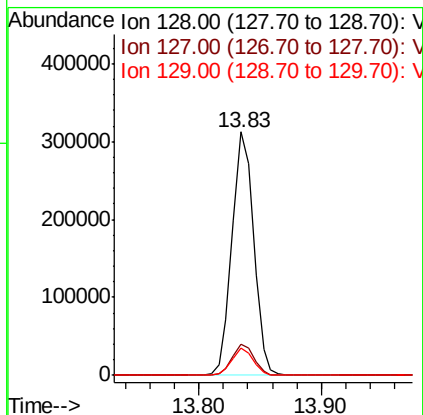
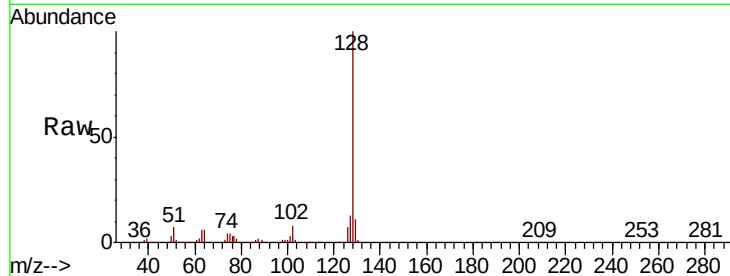
ClientSampleId :

VX0905MBS01

Tot Ion:	128	Resp:	382486
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/6/2018 12:48:25 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.41 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004365.D

Acq: 05 Sep 2018 12:15

Tgt Ion:	180	Resp:	134072
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.5	145.6
145	29.4	14.9	44.9

