

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090718\
 Data File : VX004424.D
 Acq On : 07 Sep 2018 23:39
 Operator : JC/MD
 Sample : VX0907WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:15:34 AM

Quant Time: Sep 08 05:14:26 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	5.67	168	320586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	475373	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	437673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	277485	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	205423	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
35) Dibromofluoromethane	5.50	113	179635	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	8.71	98	662937	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.14	95	255621	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	57628	15.52	ug/l	98
3) Chloromethane	1.32	50	69323	17.08	ug/l	98
4) Vinyl Chloride	1.40	62	76461	18.20	ug/l	98
5) Bromomethane	1.64	94	38032	17.03	ug/l	97
6) Chloroethane	1.72	64	56216	18.14	ug/l	100
7) Trichlorofluoromethane	1.93	101	110028	19.11	ug/l	94
8) Diethyl Ether	2.18	74	51411	20.86	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	69107	19.17	ug/l	100
10) Methyl Iodide	2.51	142	60027	17.76	ug/l	98
11) Tert butyl alcohol	3.07	59	105901	118.90	ug/l	99
12) 1,1-Dichloroethene	2.37	96	64465	18.98	ug/l	99
13) Acrolein	2.29	56	18735	87.25	ug/l	89
14) Allyl chloride	2.73	41	127217	20.39	ug/l	95
15) Acrylonitrile	3.15	53	240452	109.01	ug/l	100
16) Acetone	2.45	43	197623	111.38	ug/l	98
17) Carbon Disulfide	2.57	76	156460	17.12	ug/l	99
18) Methyl Acetate	2.78	43	175578	28.32	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	237965	21.26	ug/l	97
20) Methylene Chloride	2.85	84	80326	19.97	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	70566	18.77	ug/l	96
22) Diisopropyl ether	3.87	45	242360	20.80	ug/l	95
23) Vinyl Acetate	3.82	43	889434	94.19	ug/l	100
24) 1,1-Dichloroethane	3.69	63	137668	20.28	ug/l	99
25) 2-Butanone	4.70	43	303359	106.72	ug/l	100
26) 2,2-Dichloropropane	4.58	77	75147	14.11	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	82857	19.43	ug/l	97
28) Bromochloromethane	5.01	49	64560	21.48	ug/l	99
29) Tetrahydrofuran	5.16	42	191769	106.82	ug/l	100
30) Chloroform	5.21	83	138377	20.33	ug/l	98
31) Cyclohexane	5.57	56	109813	18.75	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	112192	19.76	ug/l	99
36) 1,1-Dichloropropene	5.79	75	97751	18.29	ug/l	99
37) Ethyl Acetate	4.86	43	104576	19.90	ug/l	99
38) Carbon Tetrachloride	5.78	117	96154	19.13	ug/l	95

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Manual Integrations
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 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)
39) Methylcyclohexane	7.46	83	107552	17.63	ug/l	99
40) Benzene	6.14	78	311351	19.50	ug/l	99
41) Methacrylonitrile	5.06	41	63459	20.83	ug/l	99
42) 1,2-Dichloroethane	6.20	62	106009	19.46	ug/l	99
43) Isopropyl Acetate	6.46	43	163810	20.28	ug/l	99
44) Trichloroethene	7.21	130	84358	19.08	ug/l	95
45) 1,2-Dichloropropane	7.52	63	80356	20.11	ug/l	99
46) Dibromomethane	7.66	93	51929	19.51	ug/l	99
47) Bromodichloromethane	7.90	83	98720	19.94	ug/l	97
48) Methyl methacrylate	7.78	41	88416	20.46	ug/l	98
49) 1,4-Dioxane	7.76	88	44595	454.51	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	589250	100.42	ug/l	99
52) Toluene	8.79	92	199336	19.94	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	101415	18.54	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	115730	19.43	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	83398	20.67	ug/l	97
56) Ethyl methacrylate	9.18	69	110674	20.15	ug/l	98
57) 1,3-Dichloropropane	9.37	76	140634	20.68	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	289463	102.84	ug/l	99
59) 2-Hexanone	9.50	43	443081	98.97	ug/l	99
60) Dibromochloromethane	9.59	129	78906	20.07	ug/l	100
61) 1,2-Dibromoethane	9.67	107	84108	20.14	ug/l	99
64) Tetrachloroethene	9.34	164	93869	21.71	ug/l	99
65) Chlorobenzene	10.14	112	214286	19.51	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	77881	20.56	ug/l	99
67) Ethyl Benzene	10.25	91	357406	20.03	ug/l	92
68) m/p-Xylenes	10.36	106	280061	40.15	ug/l	98
69) o-Xylene	10.70	106	134778	20.43	ug/l	98
70) Styrene	10.71	104	229029	21.44	ug/l	98
71) Bromoform	10.86	173	60135	19.69	ug/l #	99
73) Isopropylbenzene	11.02	105	374759	20.56	ug/l	100
74) N-amyl acetate	10.90	43	137423	19.58	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	125615	19.70	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	113477m	20.11	ug/l	
77) Bromobenzene	11.26	156	101213	19.80	ug/l	97
78) n-propylbenzene	11.36	91	425769	20.31	ug/l	99
79) 2-Chlorotoluene	11.42	91	258725	20.05	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	310523	20.57	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	29469	16.94	ug/l	98
82) 4-Chlorotoluene	11.51	91	297844	19.62	ug/l	100
83) tert-Butylbenzene	11.77	119	301579	19.86	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	321386	20.74	ug/l	100
85) sec-Butylbenzene	11.94	105	377301	20.93	ug/l	99
86) p-Isopropyltoluene	12.07	119	337358	20.88	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	187131	19.44	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	189348	18.66	ug/l	98
89) n-Butylbenzene	12.39	91	275756	20.99	ug/l	97
90) Hexachloroethane	12.60	117	45127	19.98	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	183767	20.89	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21949	19.54	ug/l	94

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ClientSampleId :
VX0907WBS02

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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)
93) 1,2,4-Trichlorobenzene	13.65	180	127740	19.96	ug/l	100
94) Hexachlorobutadiene	13.79	225	64012	21.42	ug/l	97
95) Naphthalene	13.83	128	390593	21.58	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	140985	20.81	ug/l	98

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

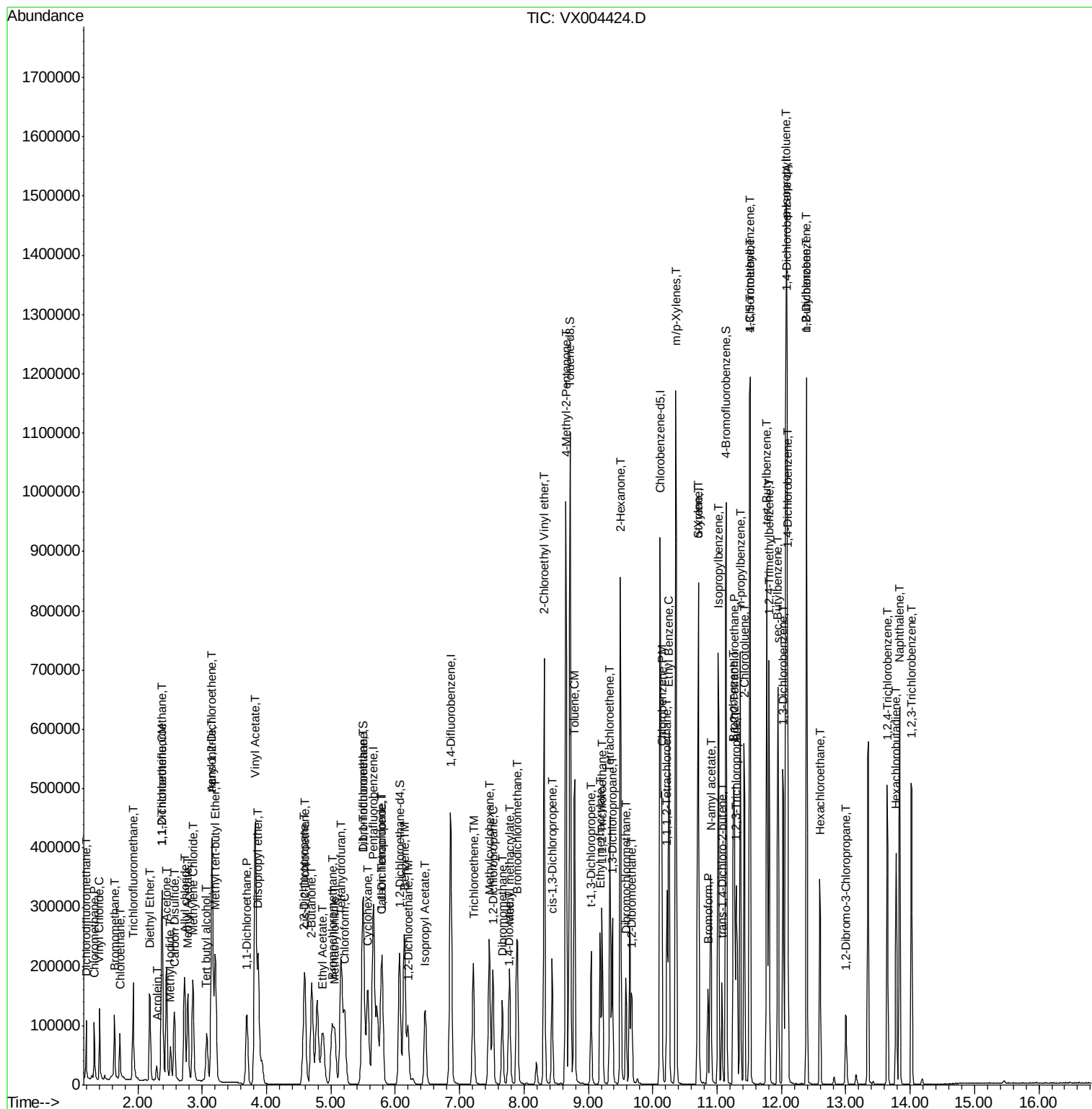
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090718\
Data File : VX004424.D
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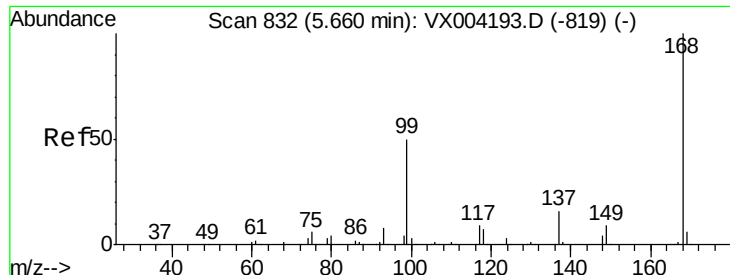
Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

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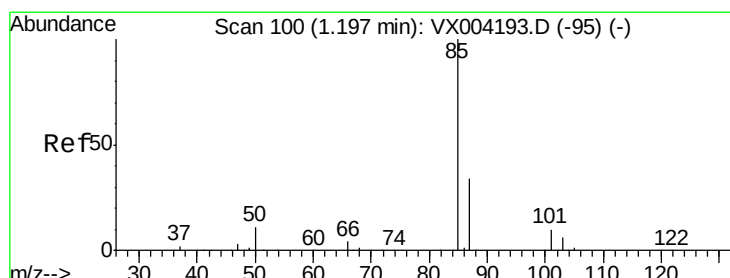
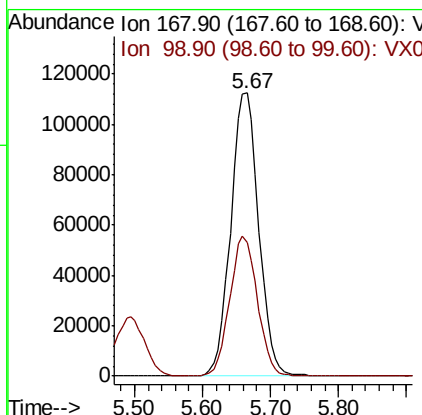
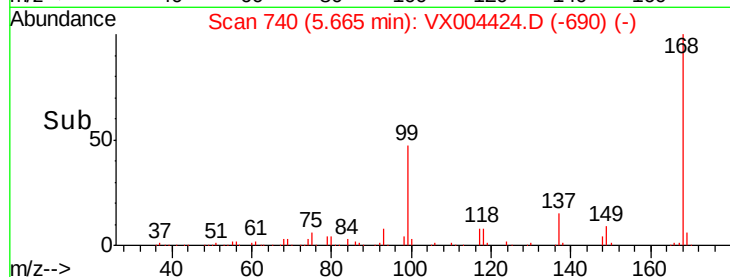
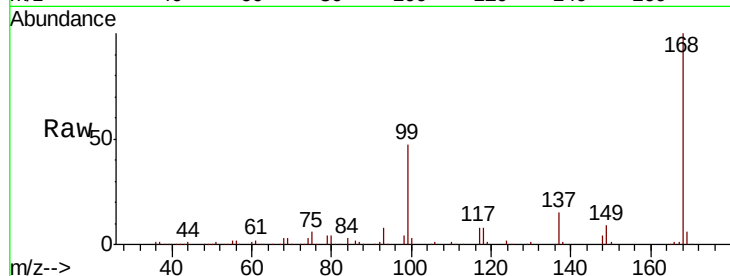
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

Tot Ion	Ratio	Lower	Upper
168	100		
99	47.1	39.9	59.9

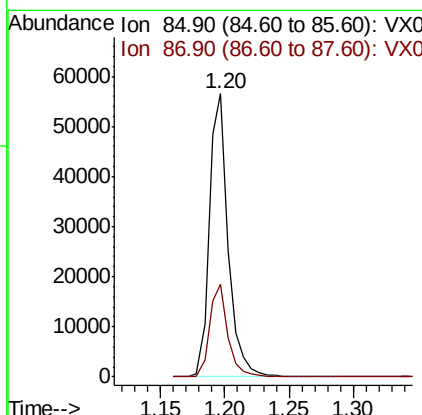
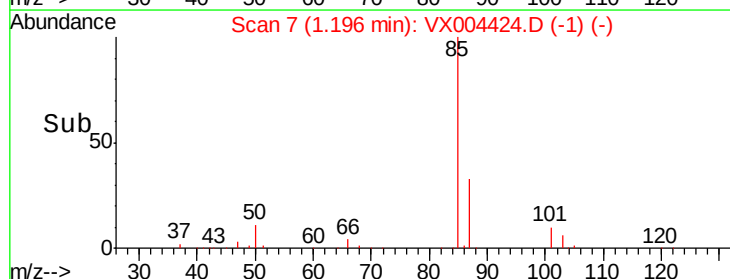
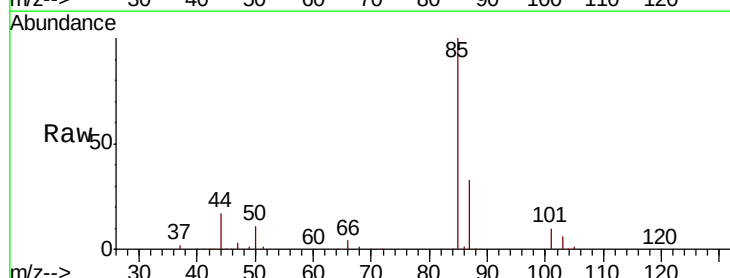
Manual Integrations
APPROVED

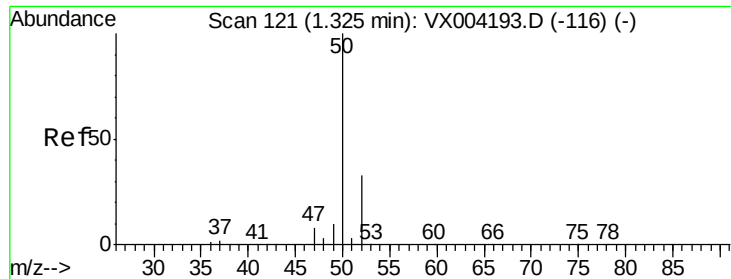
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#2
Dichlorodifluoromethane
Concen: 15.52 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.6	17.0	50.9





#3

Chloromethane

Concen: 17.08 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

Tot Ion: 50 Resp: 69323

Ion Ratio Lower Upper

50 100

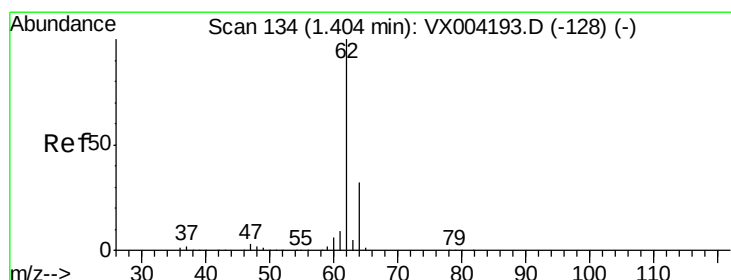
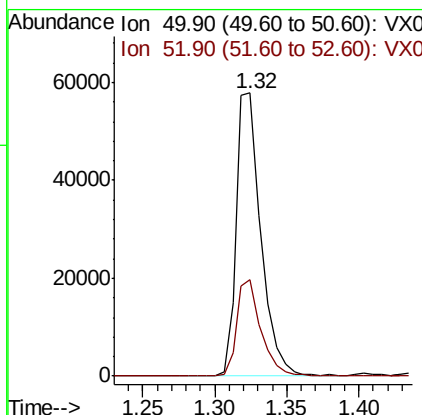
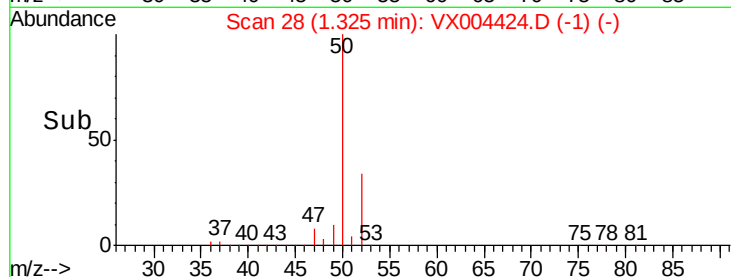
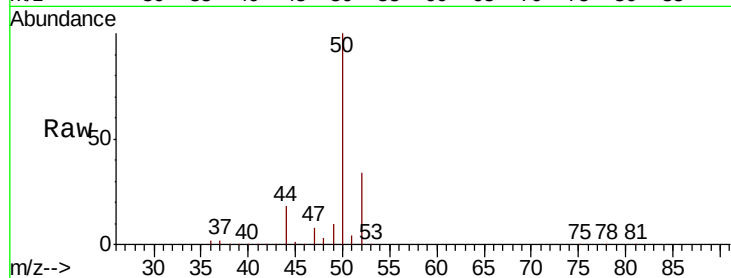
52 33.9 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.20 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004424.D

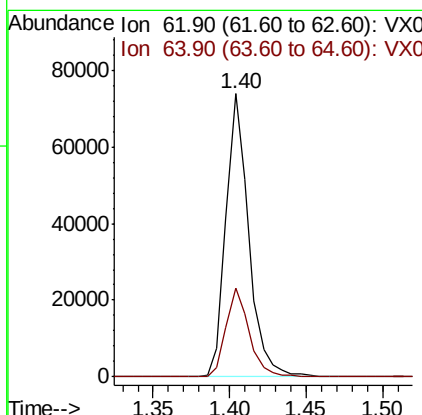
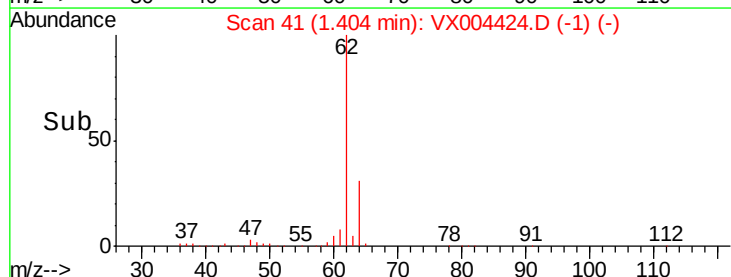
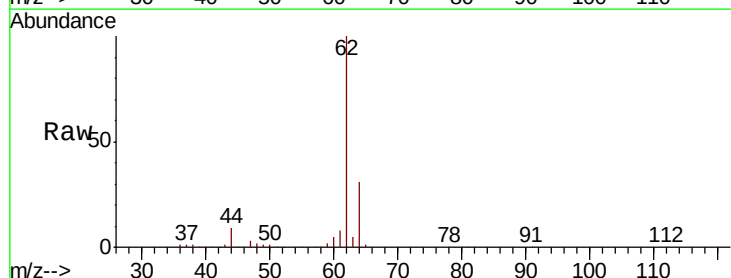
Acq: 07 Sep 2018 23:39

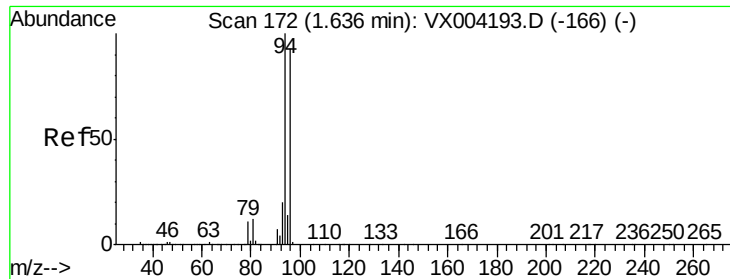
Tgt Ion: 62 Resp: 76461

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8





#5

Bromomethane

Concen: 17.03 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

Tot Ion: 94 Resp: 38032

Ion Ratio Lower Upper

94 100

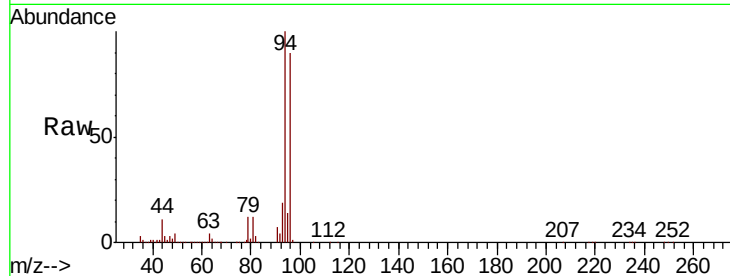
96 89.8 74.5 111.7

Manual Integrations

APPROVED

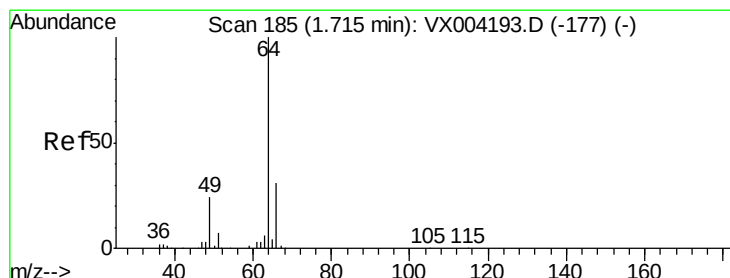
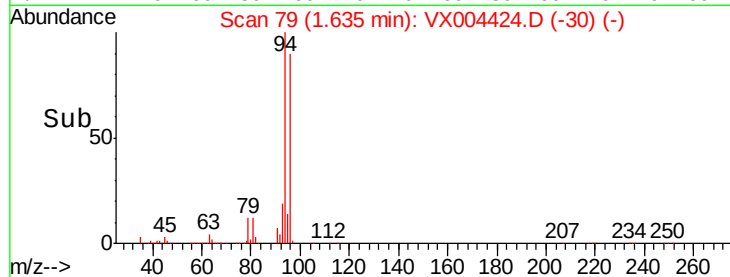
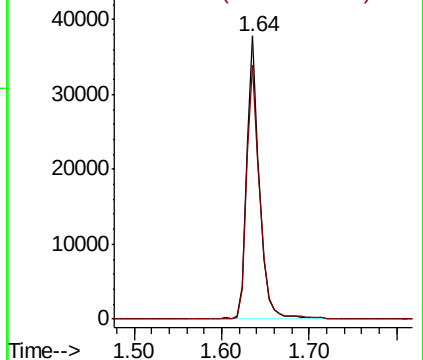
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.14 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004424.D

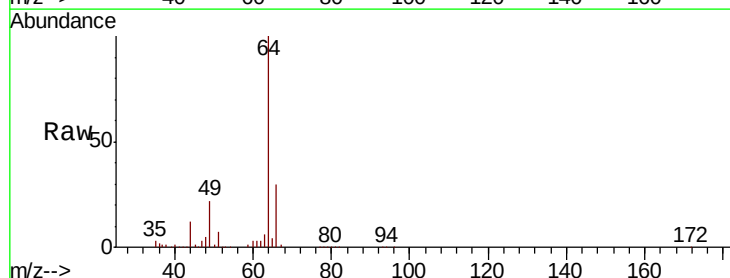
Acq: 07 Sep 2018 23:39

Tgt Ion: 64 Resp: 56216

Ion Ratio Lower Upper

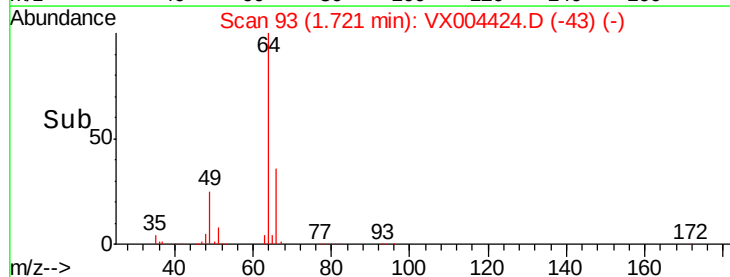
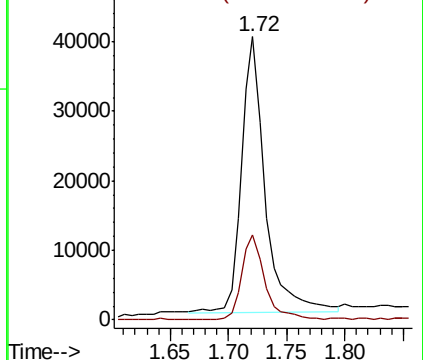
64 100

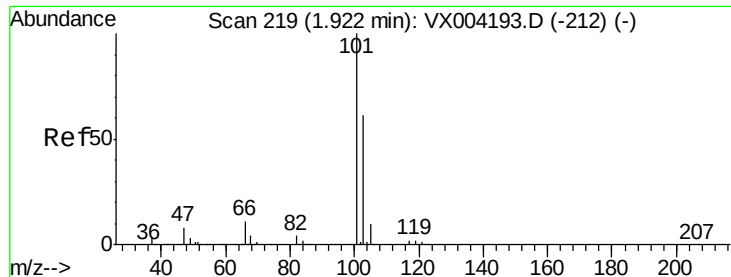
66 30.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

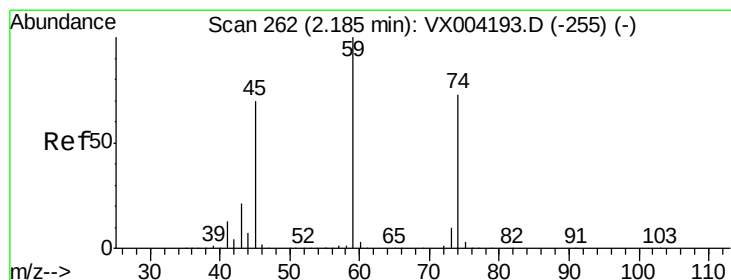
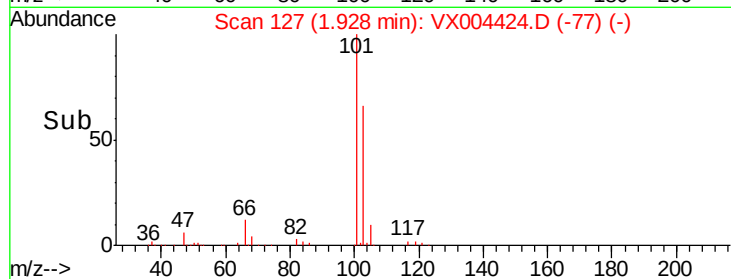
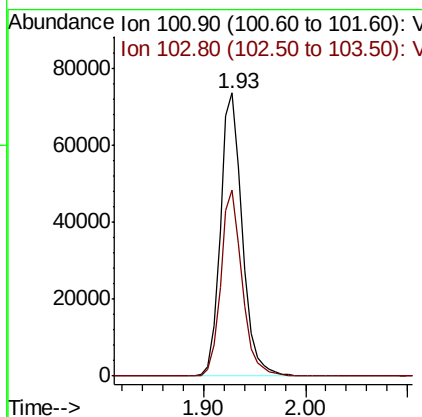
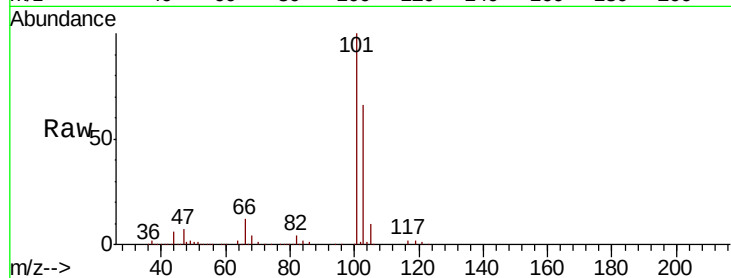
Trichlorofluoromethane
Concen: 19.11 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampled :
VX0907WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	48.9	73.3

Manual Integrations
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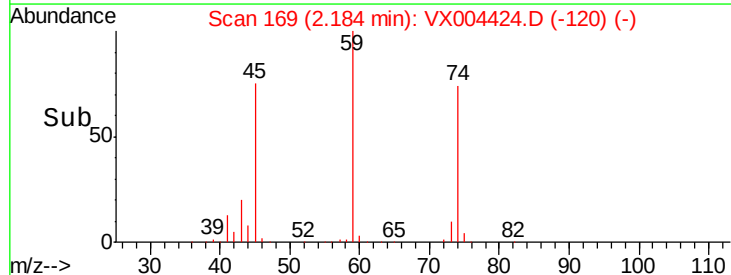
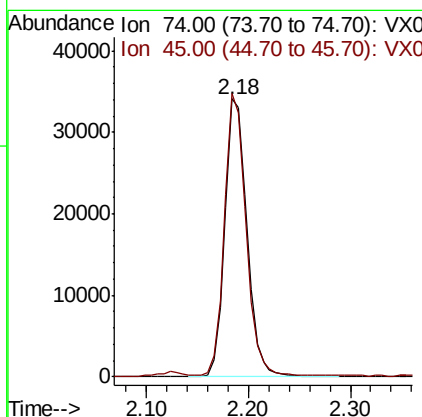
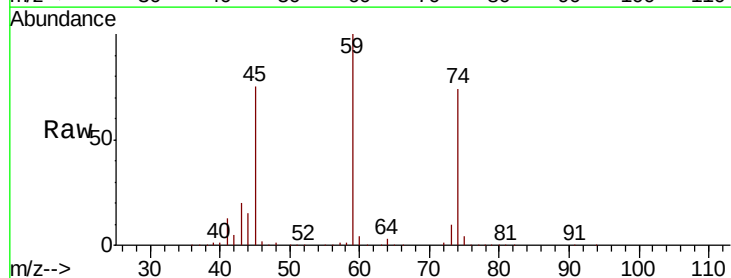
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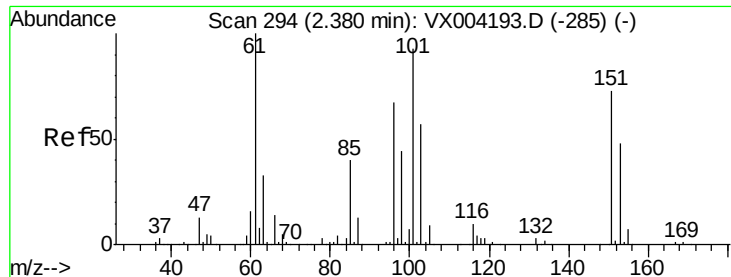


#8

Diethyl Ether
Concen: 20.86 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.5	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.17 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

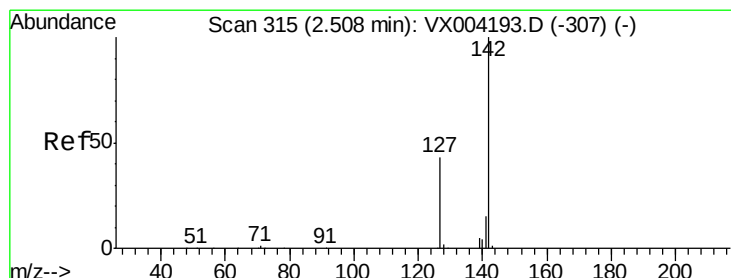
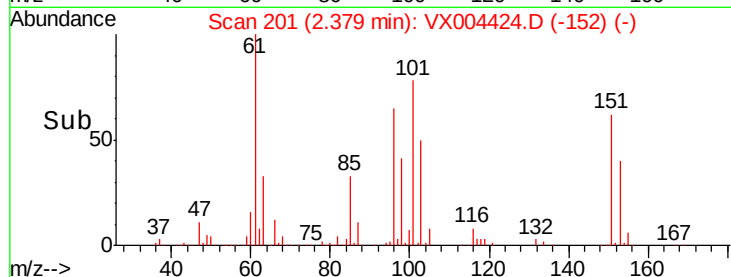
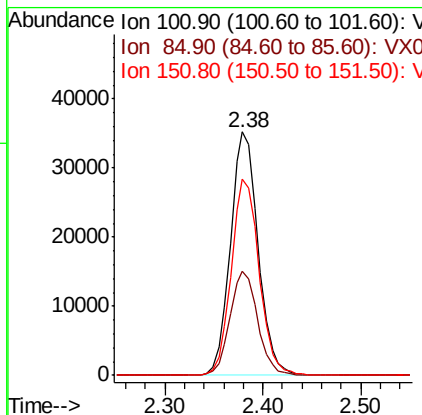
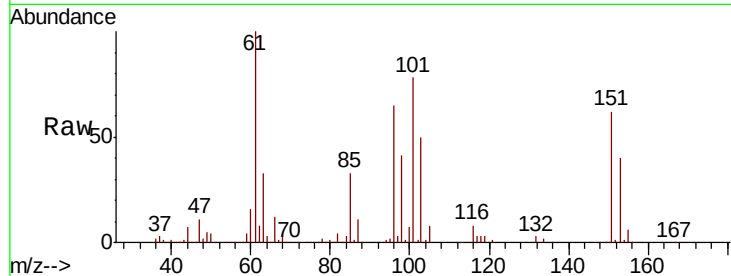
ClientSampleId :

VX0907WBS02

Tot Ion:	101	Resp:	69107
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.4
151	81.1	65.0	97.6

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#10

Methyl Iodide

Concen: 17.76 ug/l

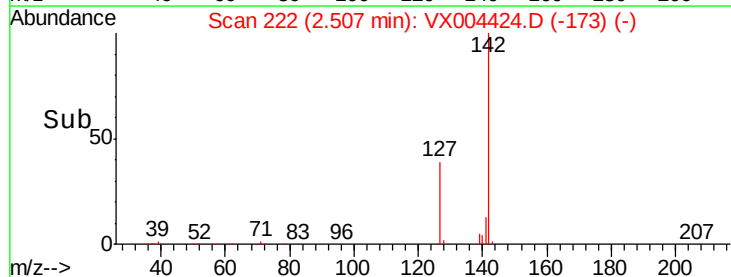
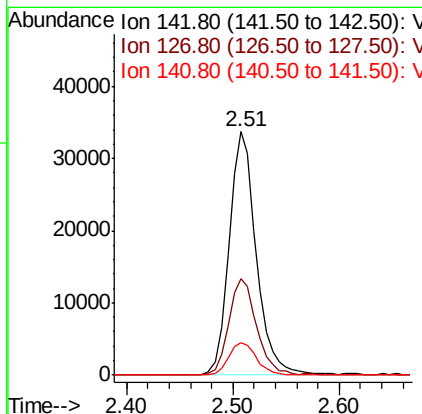
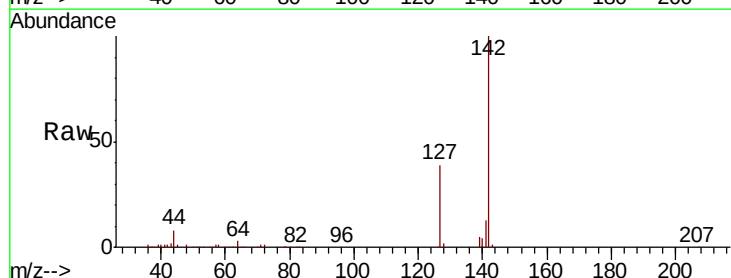
RT: 2.51 min Scan# 222

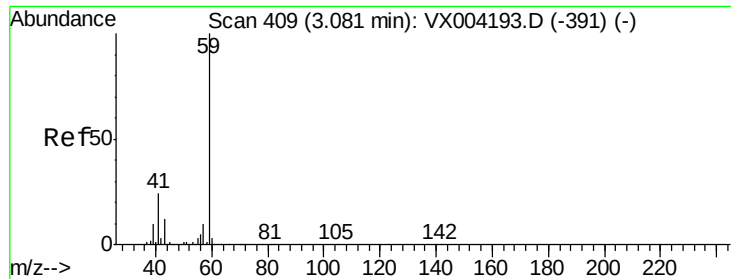
Delta R.T. 0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Tgt Ion:	142	Resp:	60027
Ion Ratio	Lower	Upper	
142	100		
127	40.4	33.8	50.6
141	14.0	11.4	17.0





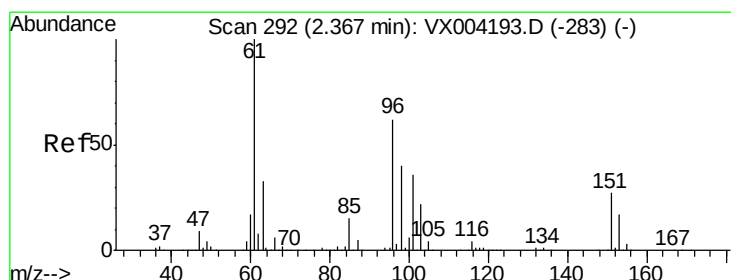
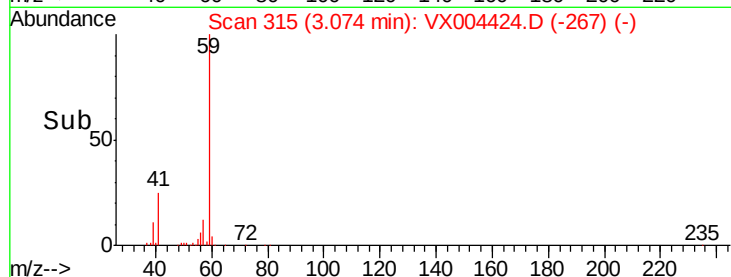
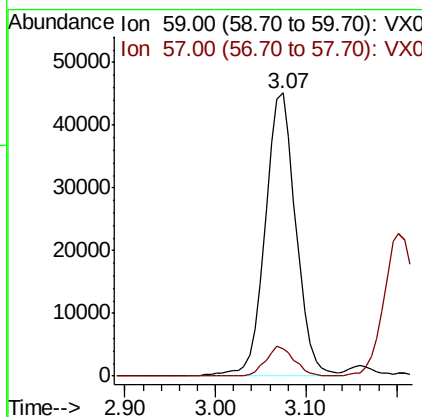
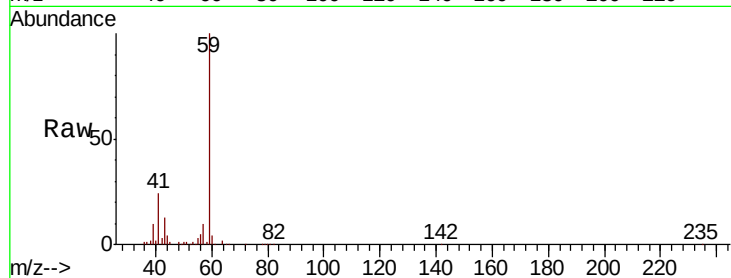
#11
Tert butyl alcohol
Concen: 118.90 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

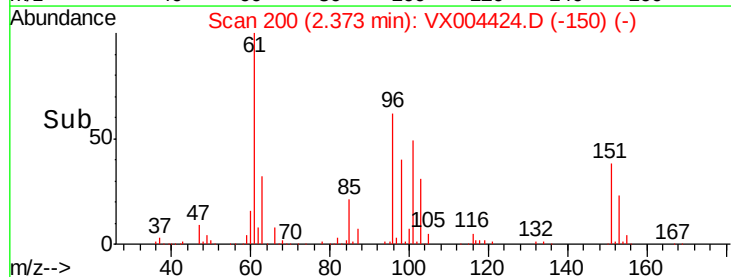
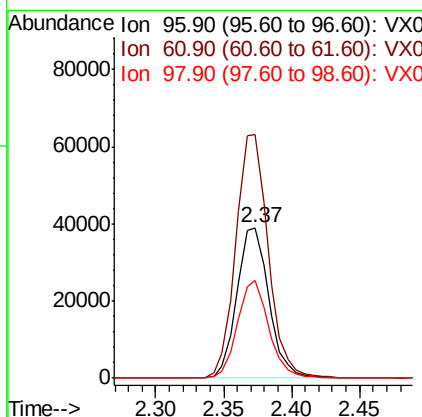
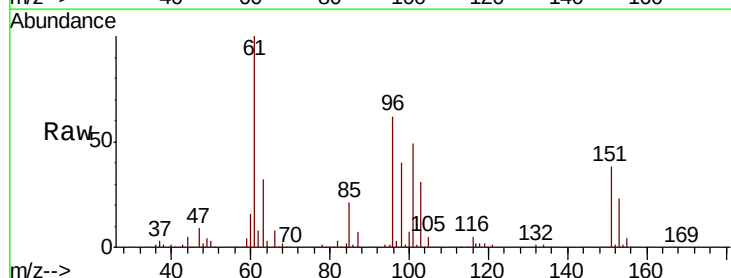
Manual Integrations
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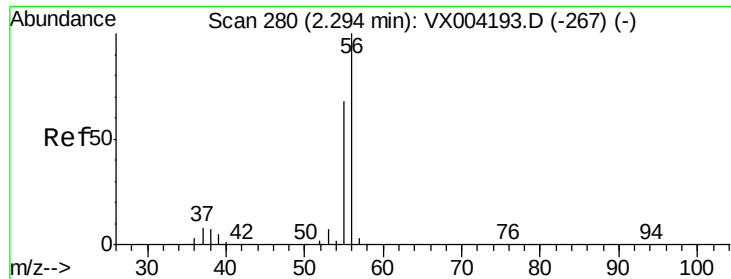
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.98 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.9	128.8	193.2
98	64.9	52.2	78.2





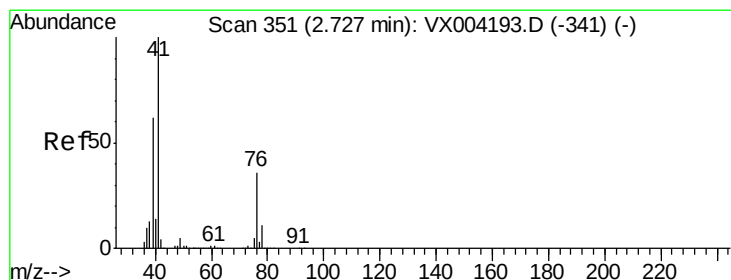
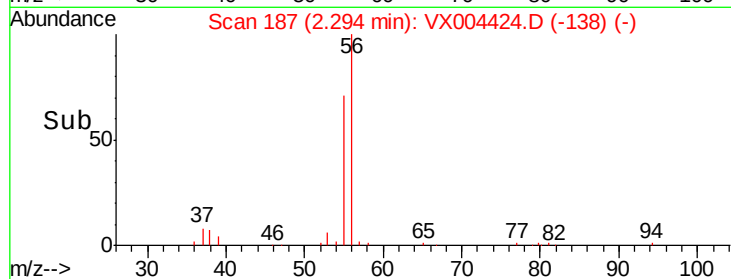
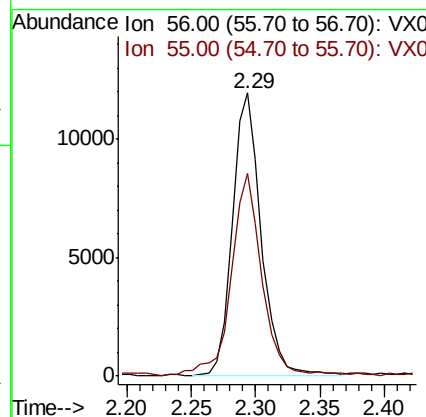
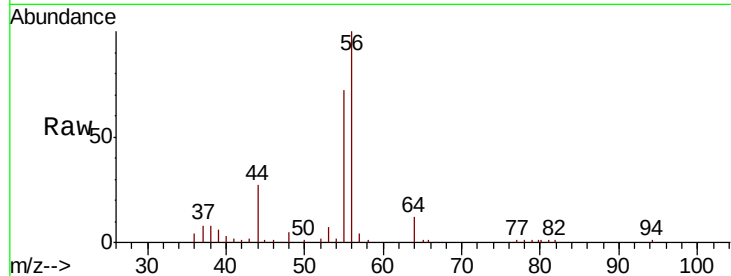
#13
Acrolein
Concen: 87.25 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

Tot Ion	56	55	Ratio	Lower	Upper
18735	100	77.2		54.7	82.1

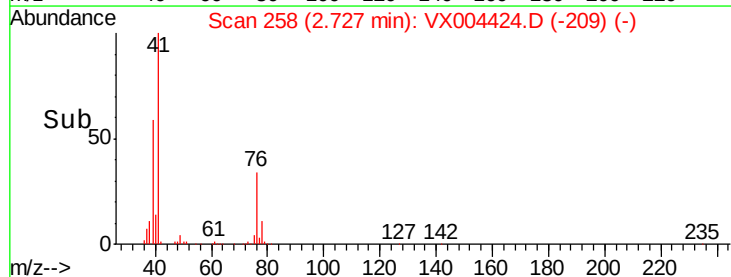
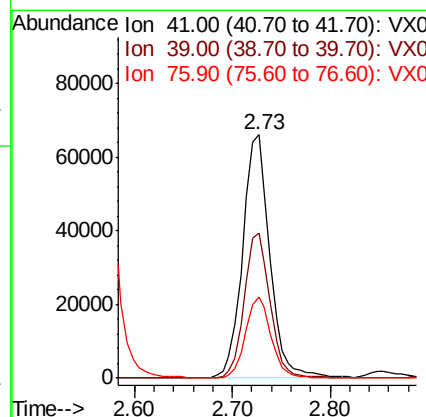
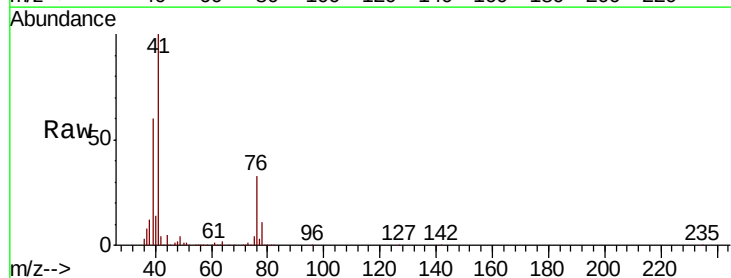
Manual Integrations
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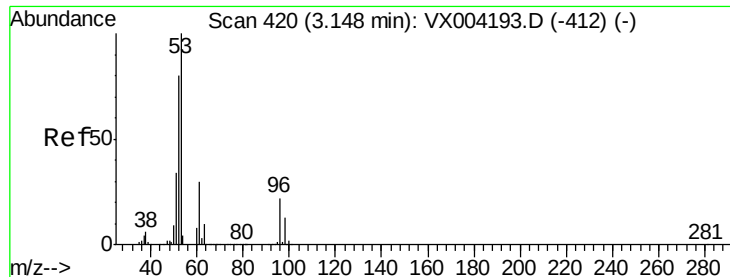
MMDadoda
9/10/2018 11:15:34 AM



#14
Allyl chloride
Concen: 20.39 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion	41	39	76	Ratio	Lower	Upper
127217	100	56.4	31.5		48.9	73.3
					26.7	40.1





#15

Acrylonitrile

Concen: 109.01 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

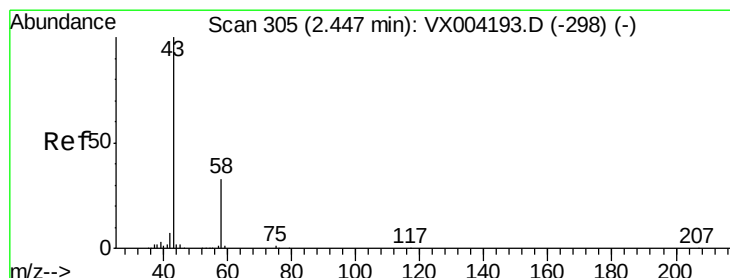
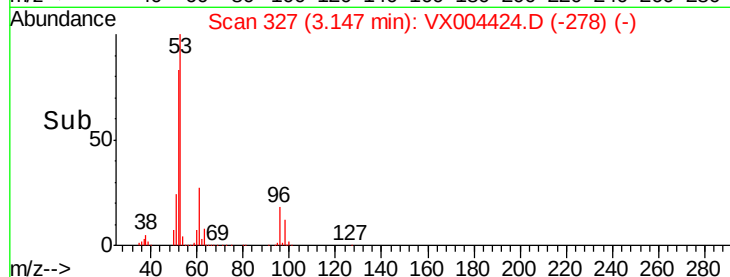
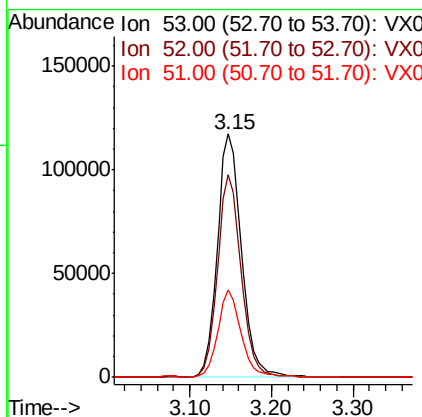
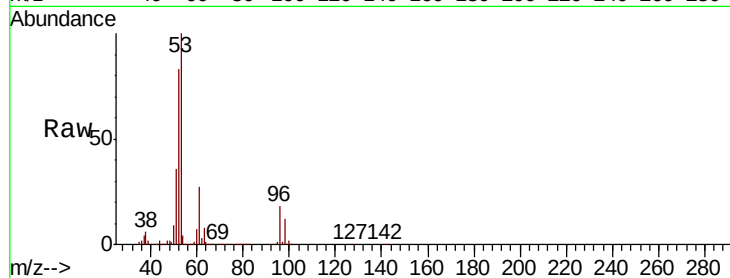
ClientSampleId :

VX0907WBS02

Tot Ion:	53	Resp:	240452
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.2	97.8
51	35.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 111.38 ug/l

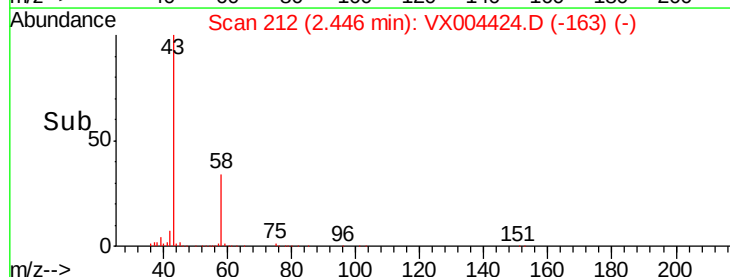
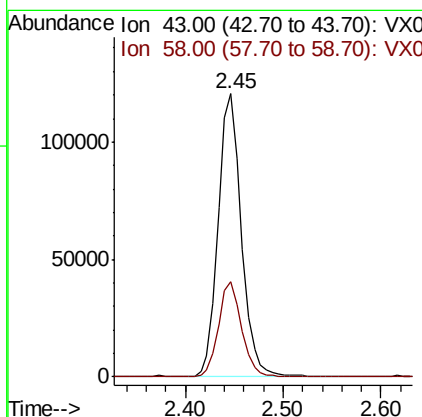
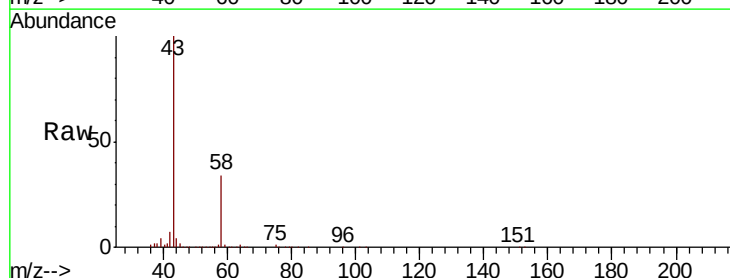
RT: 2.45 min Scan# 212

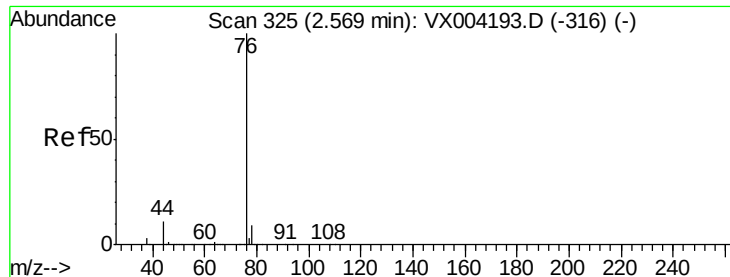
Delta R.T. 0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Tgt Ion:	43	Resp:	197623
Ion Ratio	Lower	Upper	
43	100		
58	33.9	26.2	39.4





#17

Carbon Disulfide

Concen: 17.12 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

Tot Ion: 76 Resp: 156460

Ion Ratio Lower Upper

76 100

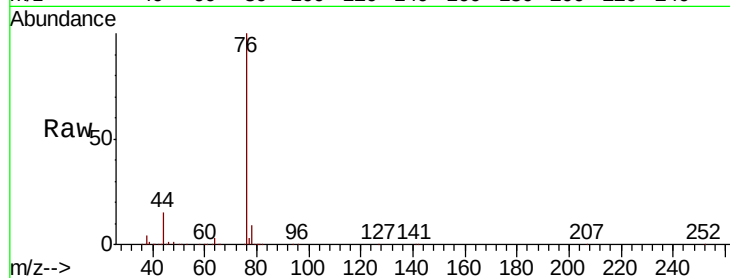
78 9.3 7.0 10.6

Manual Integrations

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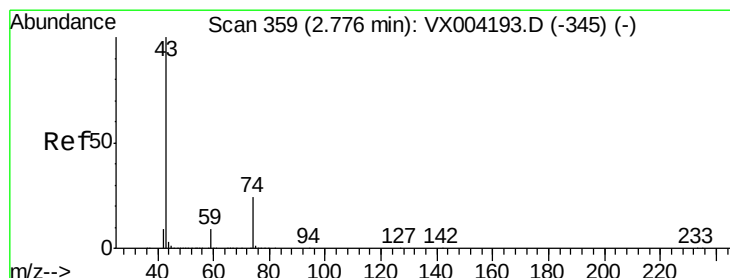
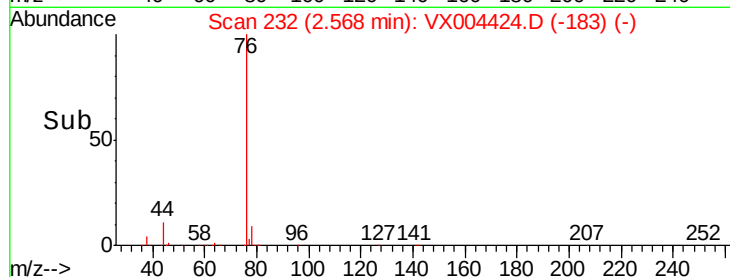
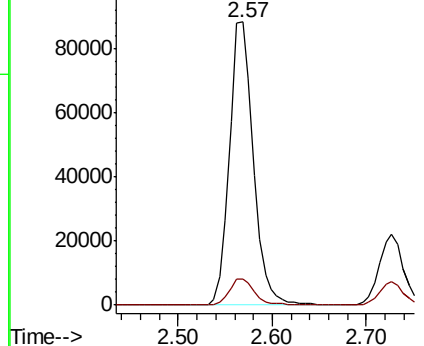
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 28.32 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX004424.D

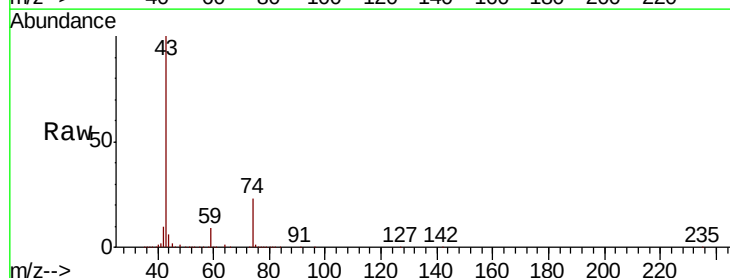
Acq: 07 Sep 2018 23:39

Tgt Ion: 43 Resp: 175578

Ion Ratio Lower Upper

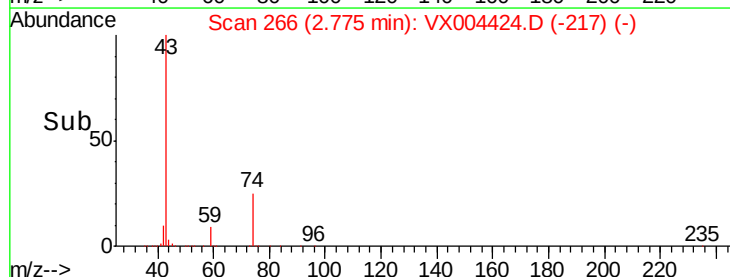
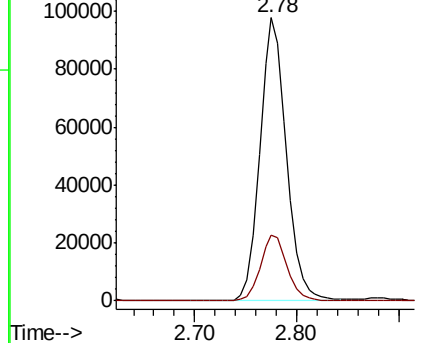
43 100

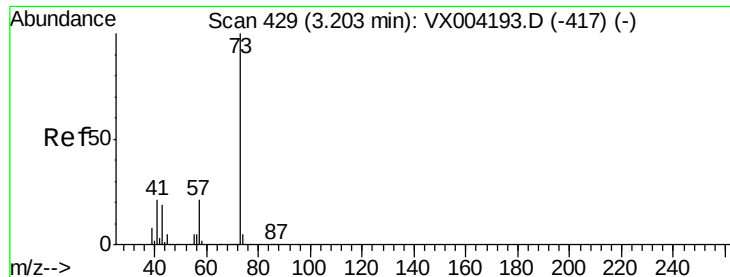
74 24.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





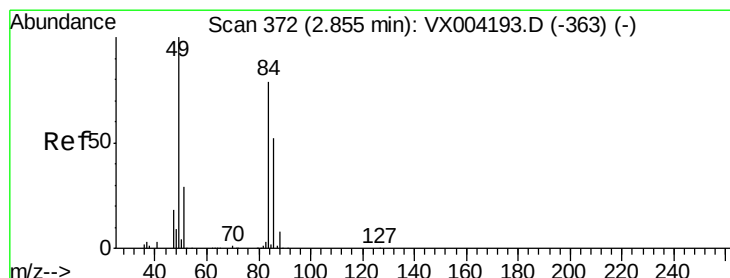
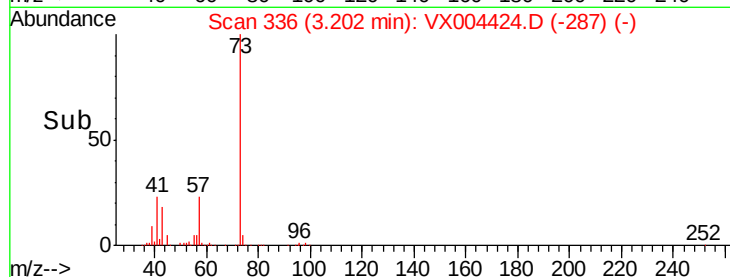
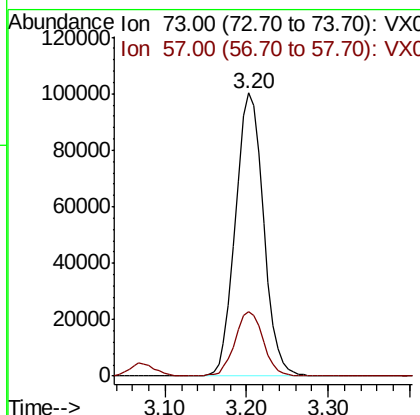
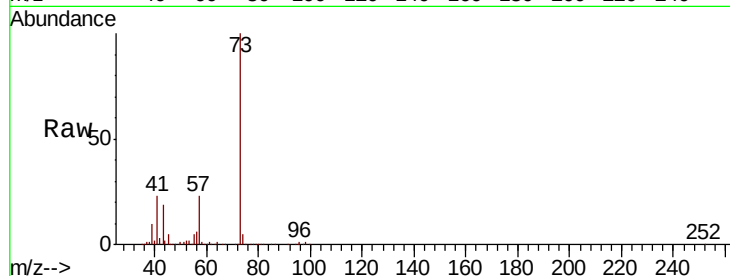
#19
Methyl tert-butyl Ether
Concen: 21.26 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	17.1	25.7

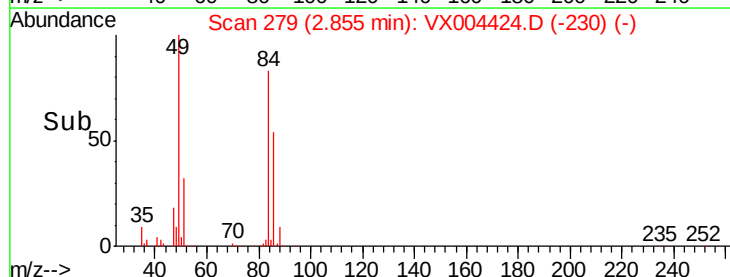
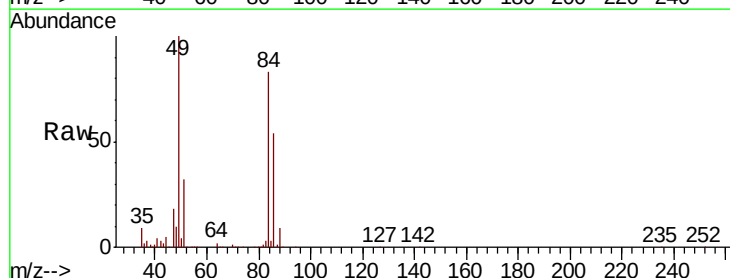
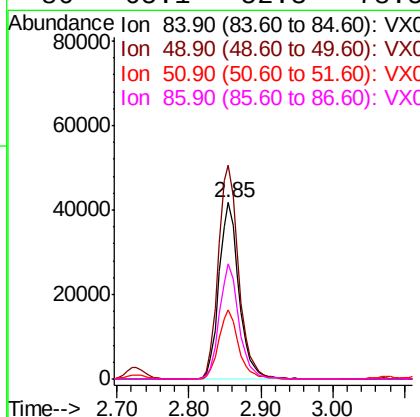
Manual Integrations
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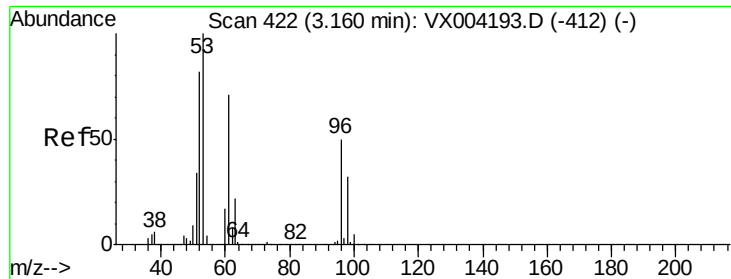
MMDadoda
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#20
Methylene Chloride
Concen: 19.97 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.1	101.2	151.8
51	38.9	29.5	44.3
86	65.1	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.77 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

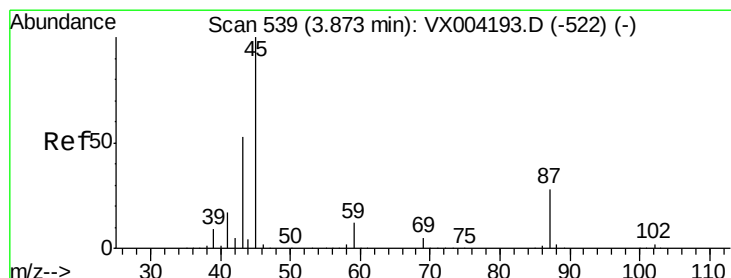
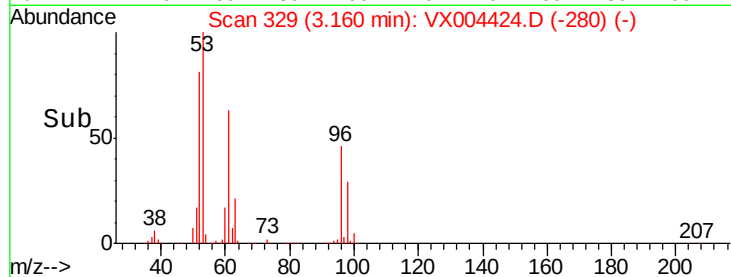
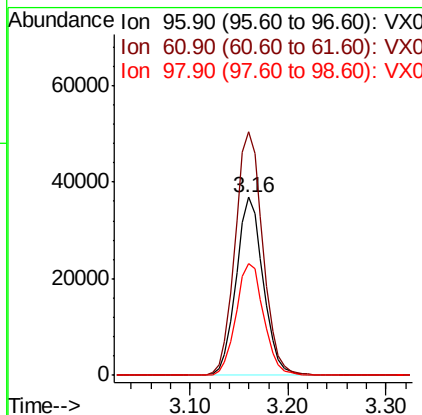
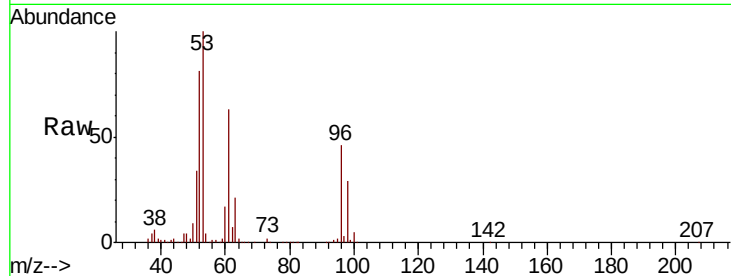
ClientSampleId :

VX0907WBS02

Tot Ion:	96	Resp:	70566
Ion	Ratio	Lower	Upper
96	100		
61	136.4	113.8	170.6
98	62.9	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.80 ug/l

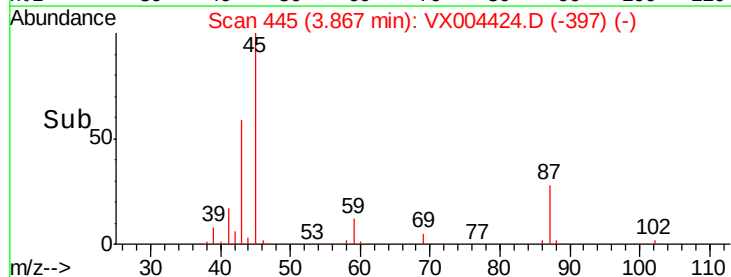
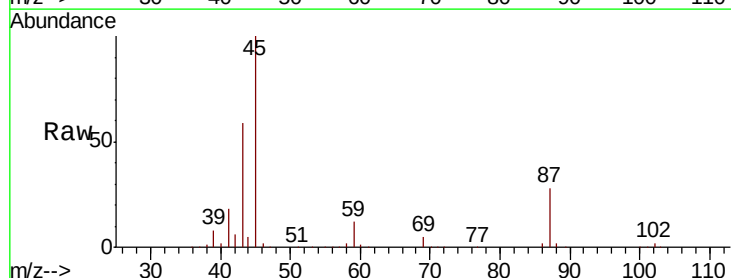
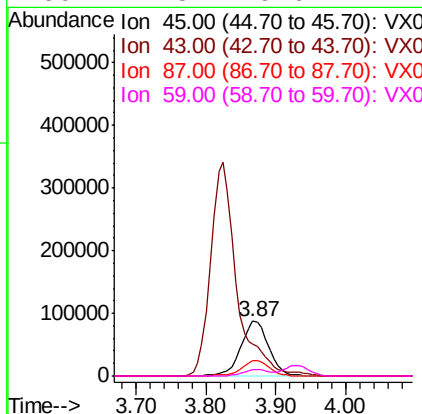
RT: 3.87 min Scan# 445

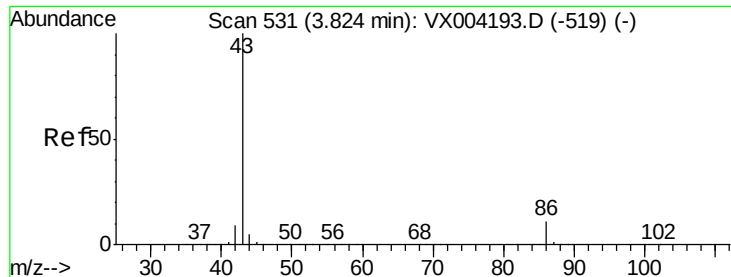
Delta R.T. -0.01 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Tgt Ion:	45	Resp:	242360
Ion	Ratio	Lower	Upper
45	100		
43	58.5	42.8	64.2
87	27.5	22.6	34.0
59	11.8	9.6	14.4





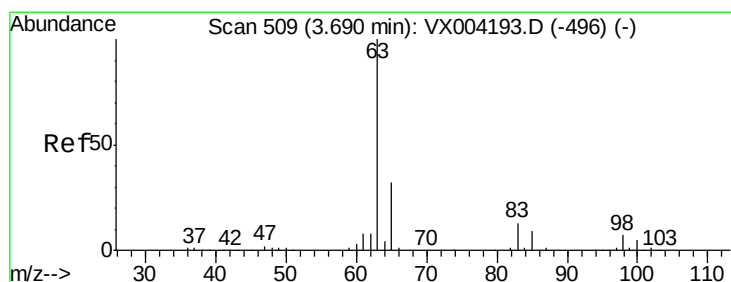
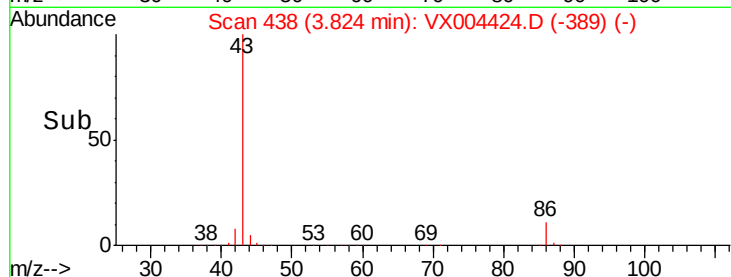
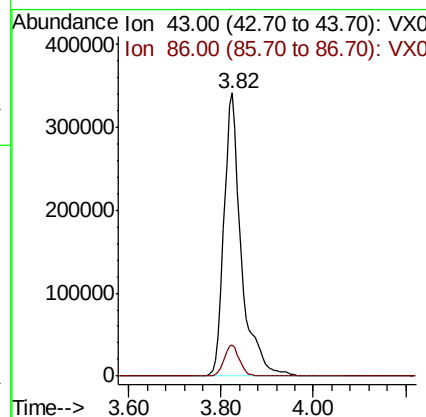
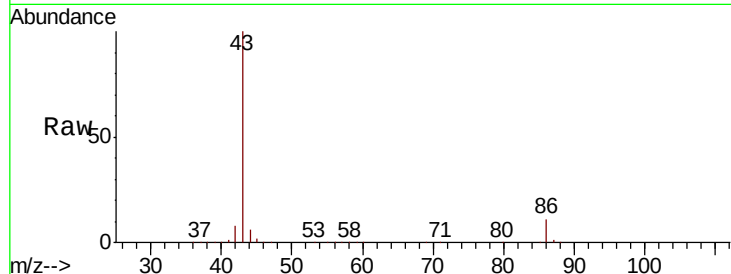
#23
 Vinyl Acetate
 Concen: 94.19 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.9	13.3

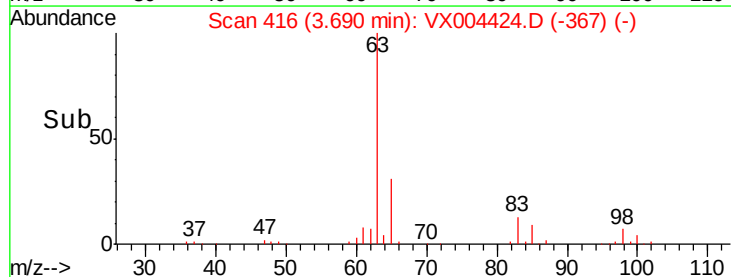
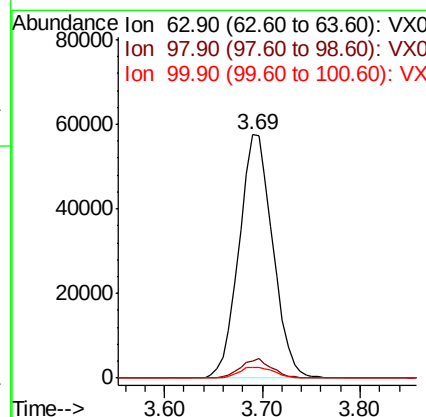
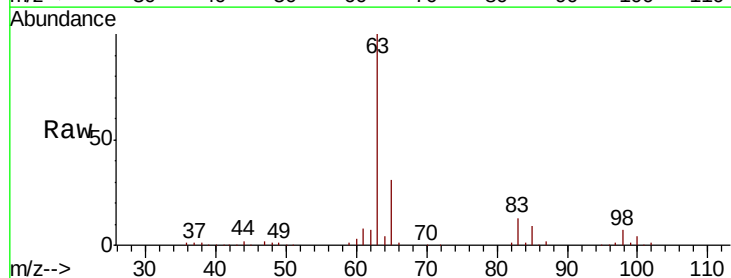
Manual Integrations
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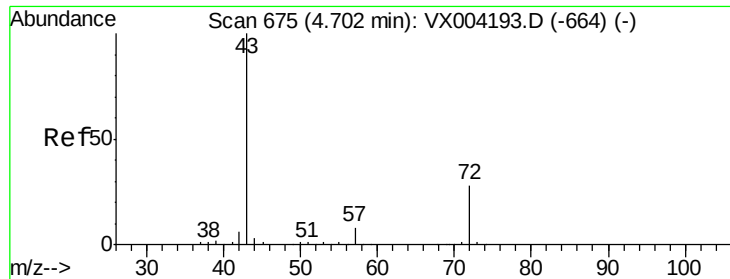
MMDadoda
 9/10/2018 11:15:34 AM



#24
 1,1-Dichloroethane
 Concen: 20.28 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.4
100	4.3	2.4	7.1





#25

2-Butanone

Concen: 106.72 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

Tot Ion: 43 Resp: 303359

Ion Ratio Lower Upper

43 100

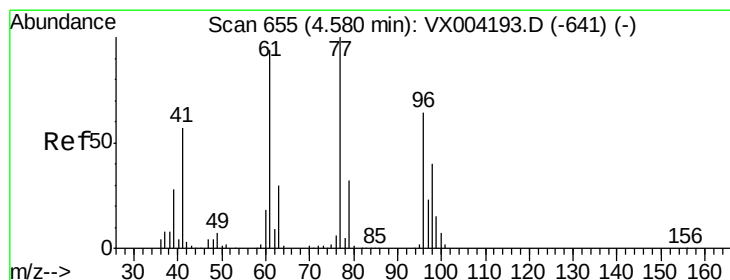
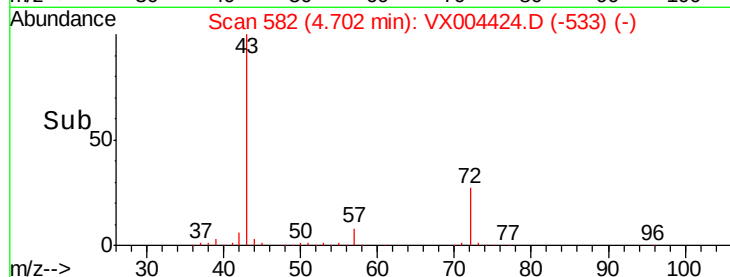
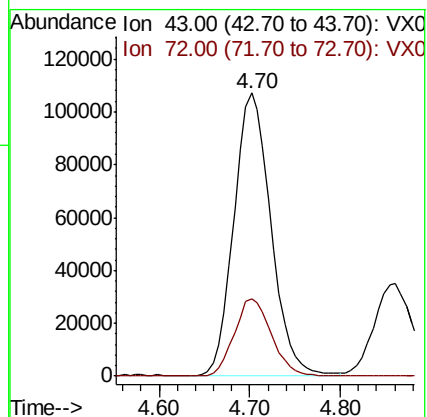
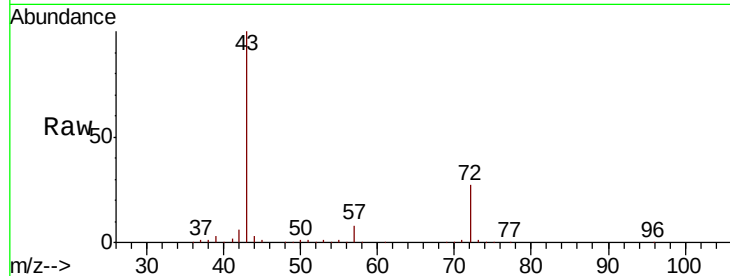
72 27.4 22.0 33.0

Manual Integrations

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MMDadoda

9/10/2018 11:15:34 AM



#26

2,2-Dichloropropane

Concen: 14.11 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004424.D

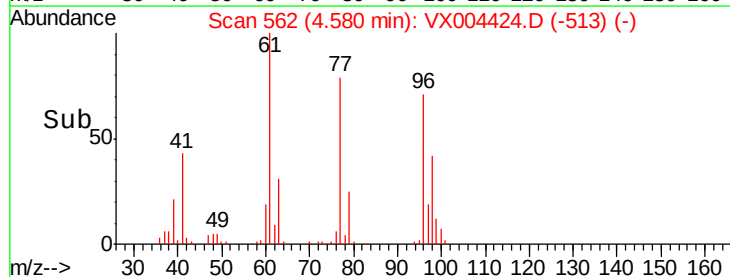
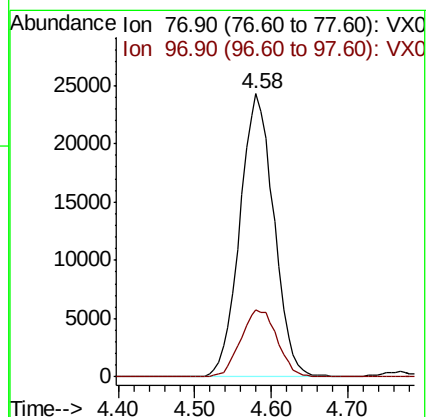
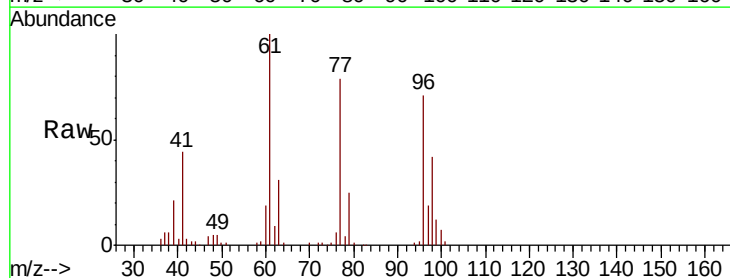
Acq: 07 Sep 2018 23:39

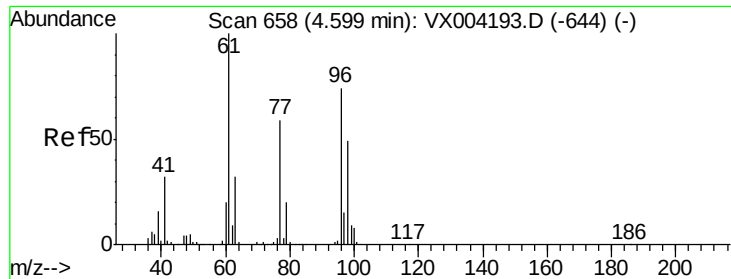
Tgt Ion: 77 Resp: 75147

Ion Ratio Lower Upper

77 100

97 25.2 11.7 35.0





#27

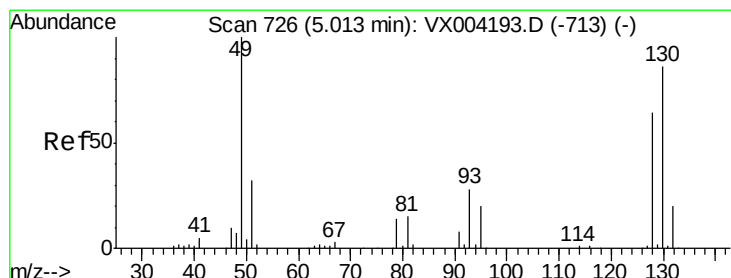
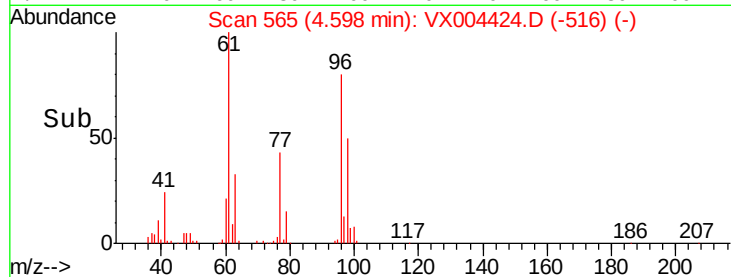
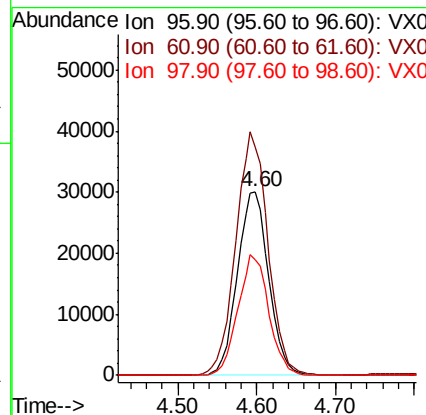
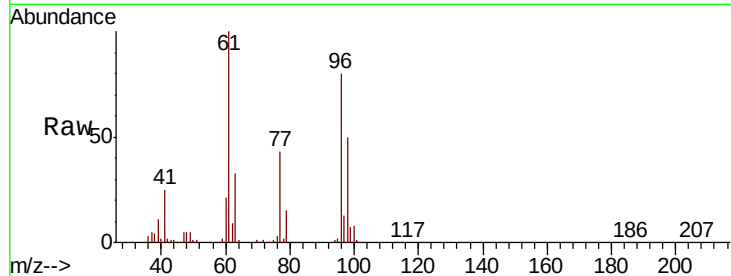
cis-1,2-Dichloroethene
 Concen: 19.43 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.3	0.0	282.6
98	64.8	0.0	130.2

Manual Integrations
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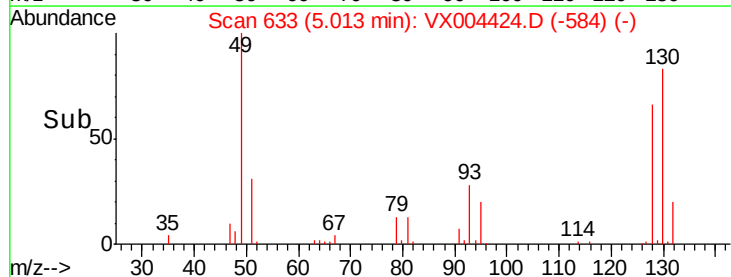
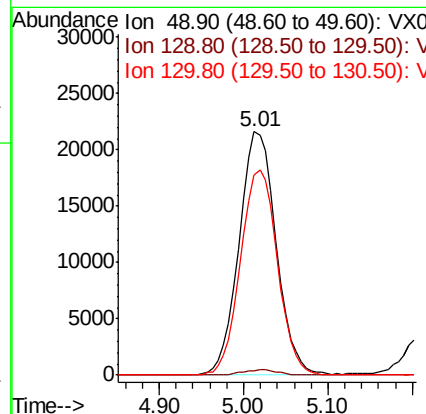
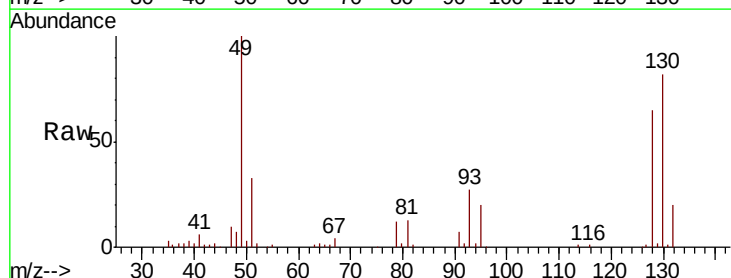
MMDadoda
 9/10/2018 11:15:34 AM

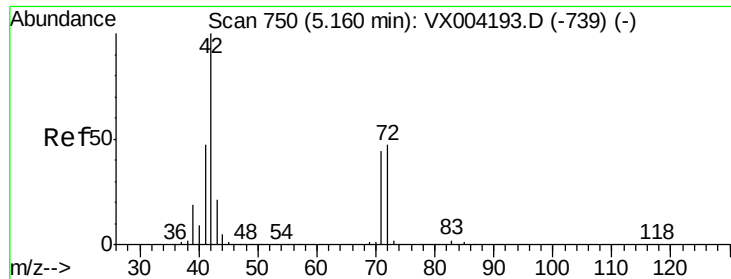


#28

Bromochloromethane
 Concen: 21.48 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	83.8	67.5	101.3





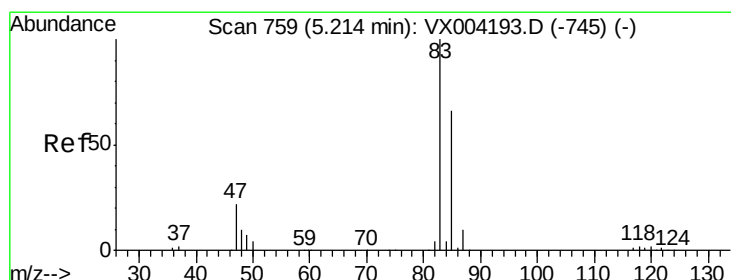
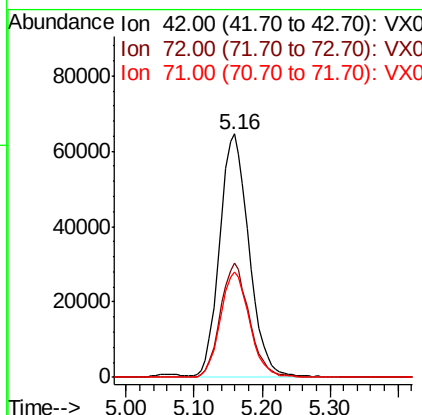
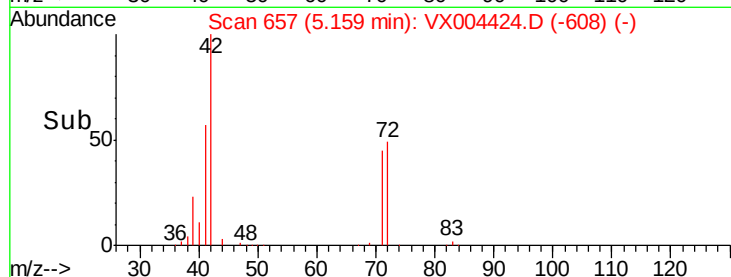
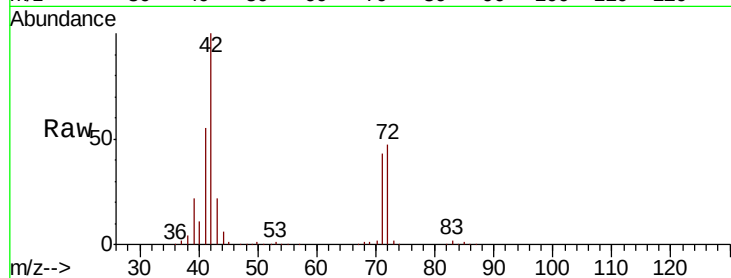
#29
Tetrahydrofuran
Concen: 106.82 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.4	56.0
71	43.2	34.5	51.7

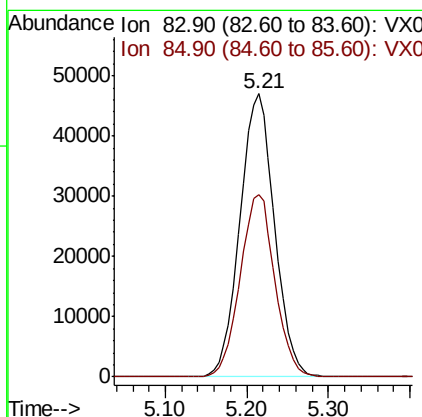
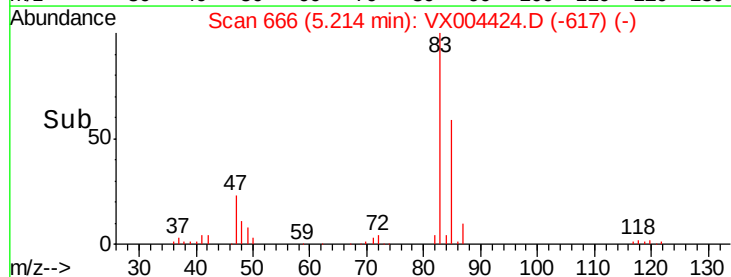
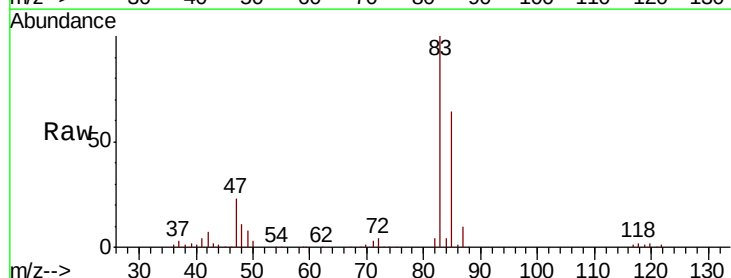
Manual Integrations
APPROVED

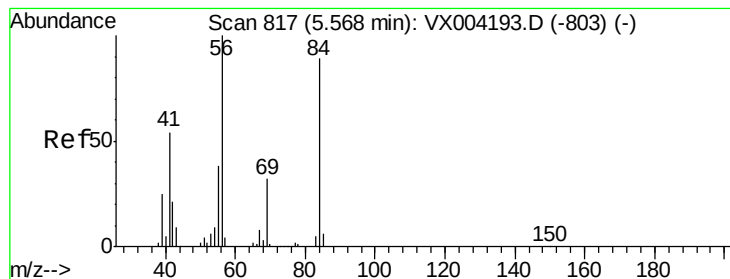
MMDadoda
9/10/2018 11:15:34 AM



#30
Chloroform
Concen: 20.33 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.6	79.0





#31

Cyclohexane

Concen: 18.75 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

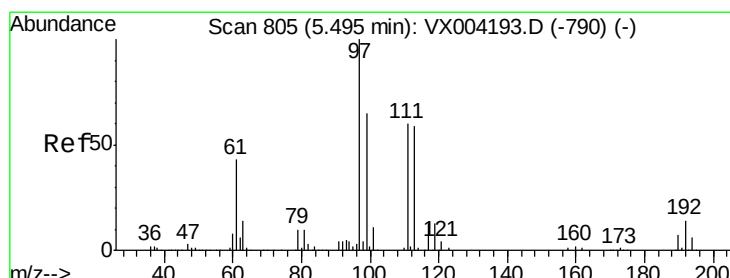
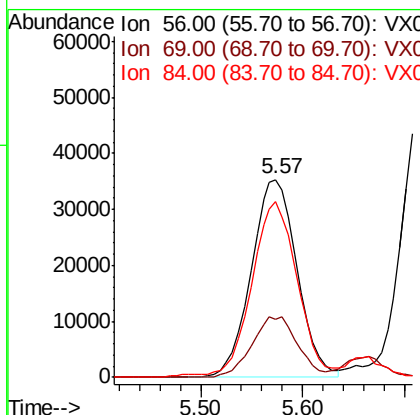
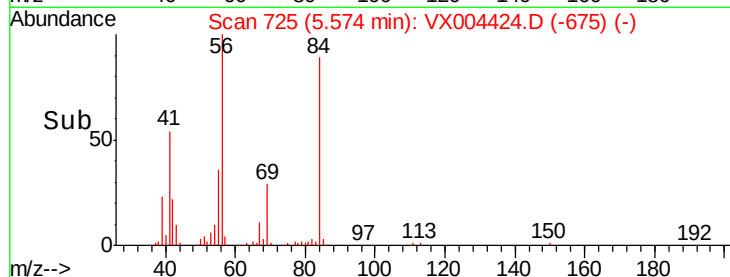
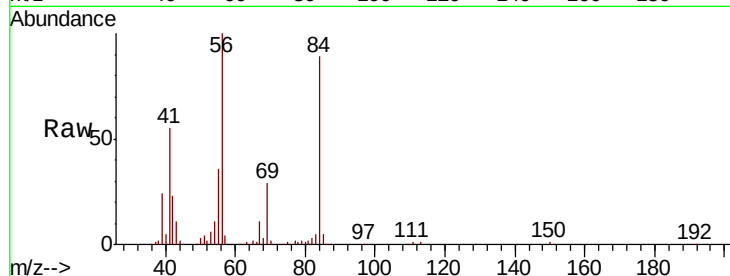
ClientSampleId :

VX0907WBS02

Tot Ion:	56	Resp:	109813
Ion	Ratio	Lower	Upper
56	100		
69	29.4	25.4	38.2
84	87.6	71.4	107.2

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 19.76 ug/l

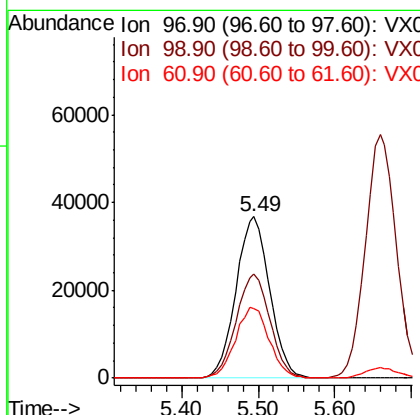
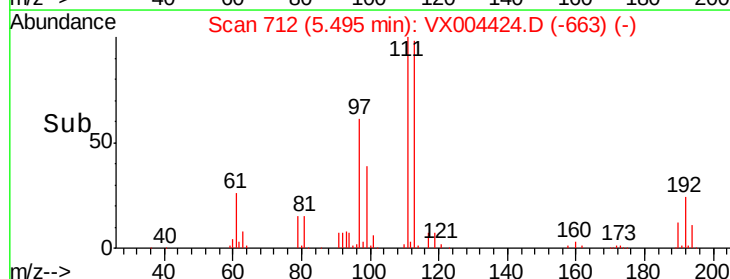
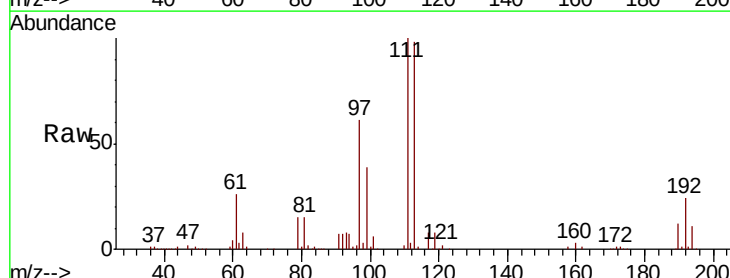
RT: 5.49 min Scan# 712

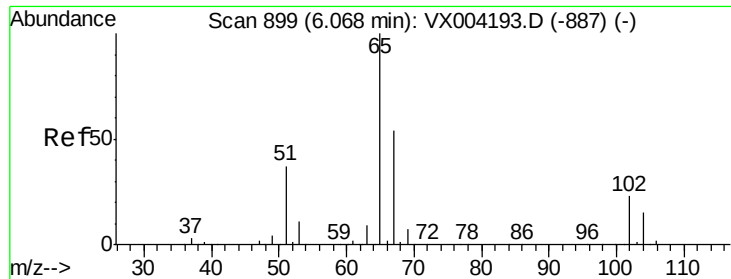
Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Tgt Ion:	97	Resp:	112192
Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	44.1	34.9	52.3





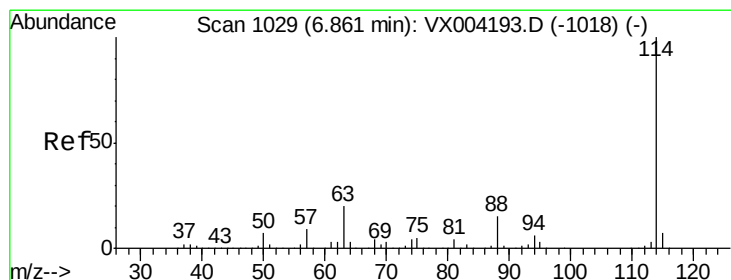
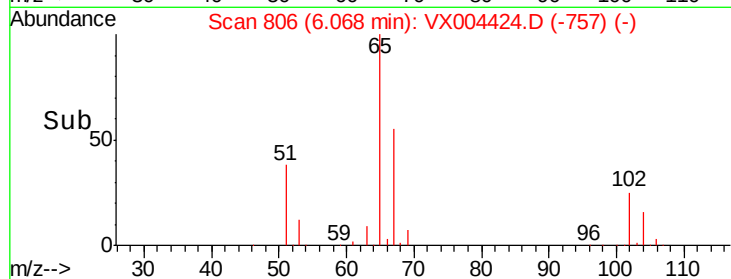
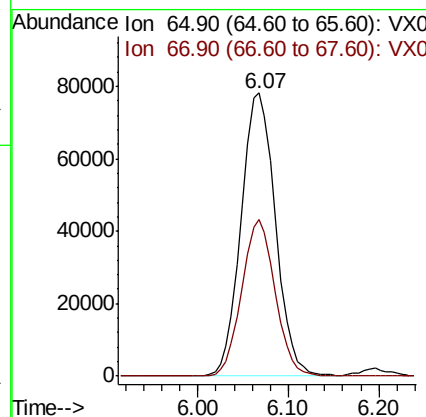
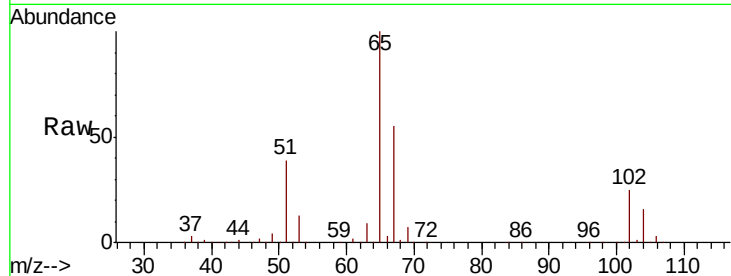
#33
 1,2-Dichloroethane-d4
 Concen: 49.16 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	205423		
67	53.7		0.0	106.8

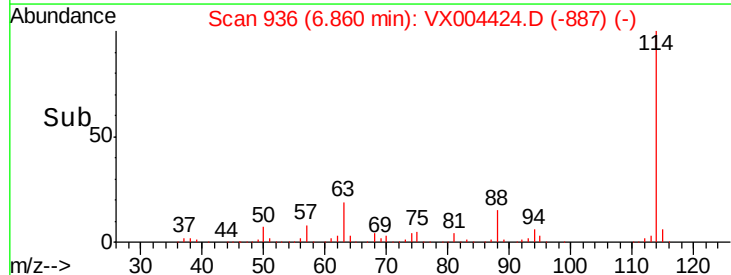
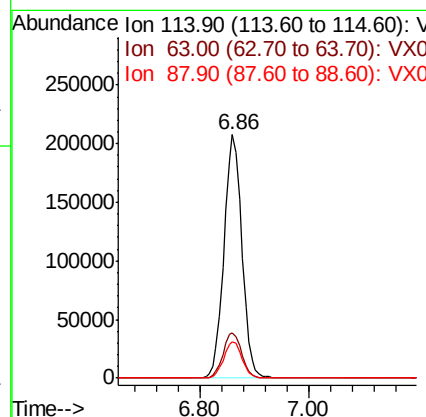
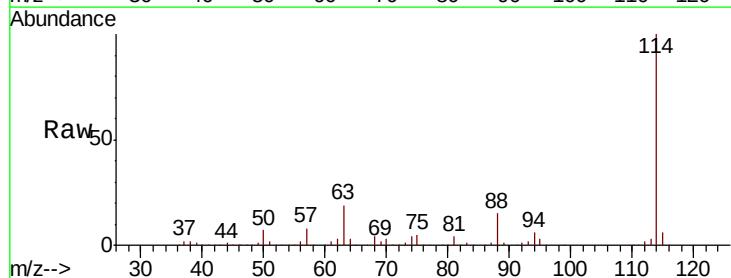
Manual Integrations
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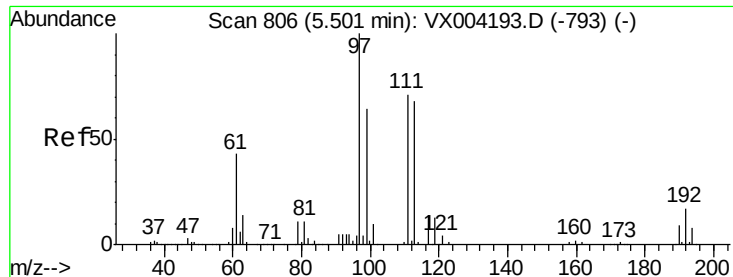
MMDadoda
 9/10/2018 11:15:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	475373		
63	18.7		0.0	39.0
88	15.1		0.0	30.4





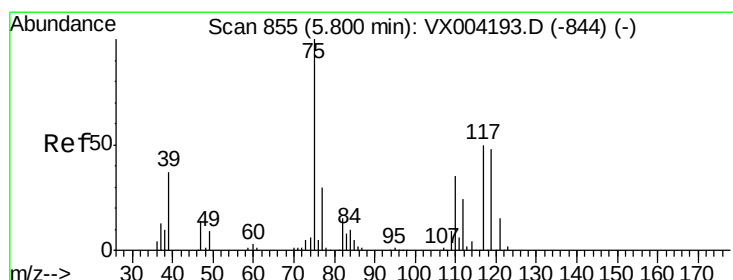
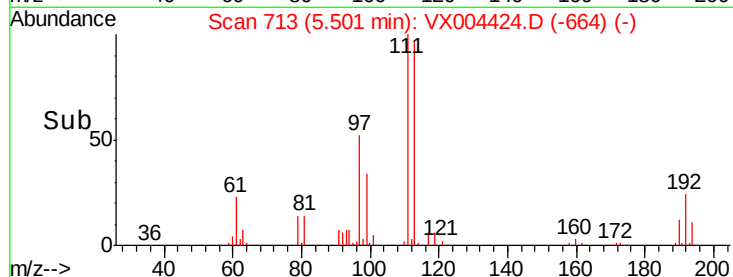
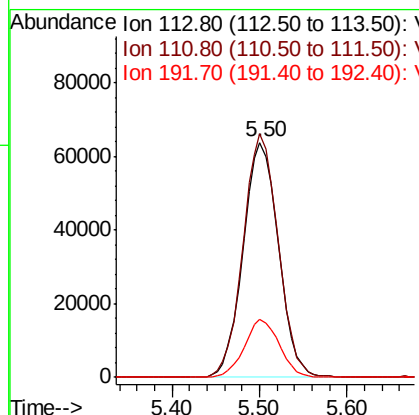
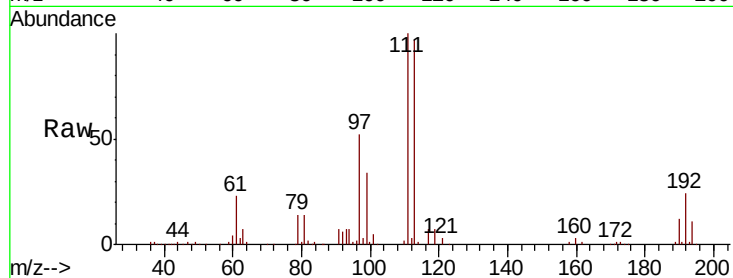
#35
 Dibromofluoromethane
 Concen: 50.79 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	179635		
111	102.6	82.4	123.6	
192	24.3	19.4	29.2	

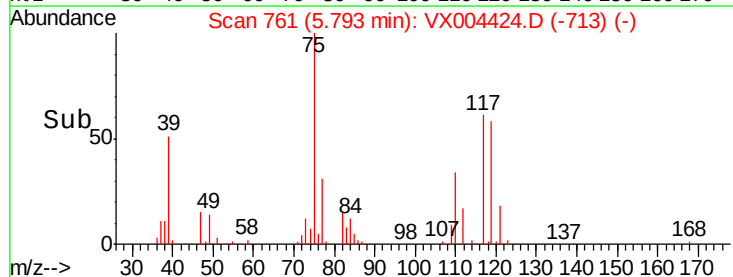
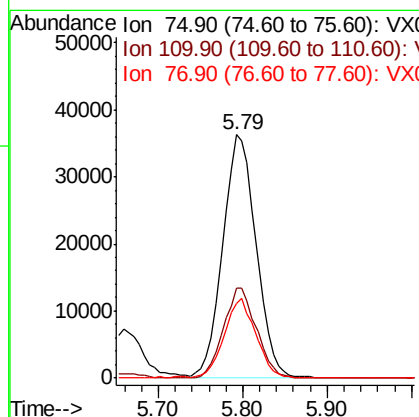
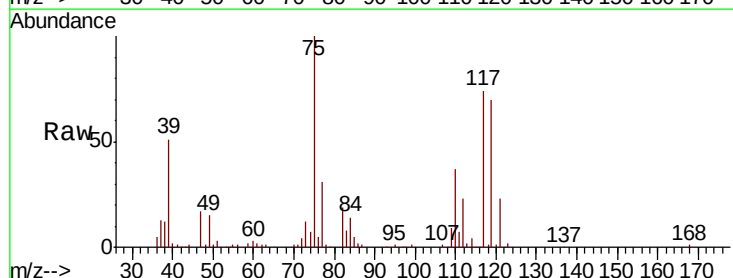
Manual Integrations
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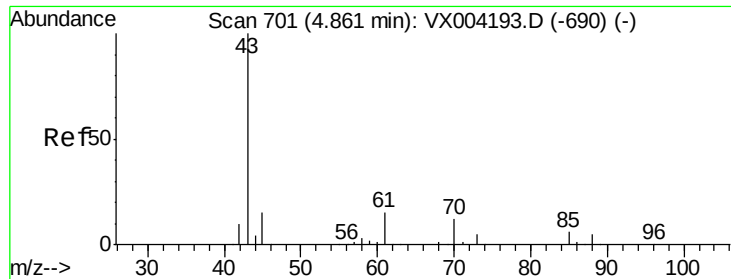
MMDadoda
 9/10/2018 11:15:34 AM



#36
 1,1-Dichloropropene
 Concen: 18.29 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	97751		
110	36.6	18.0	54.0	
77	31.1	24.6	36.8	





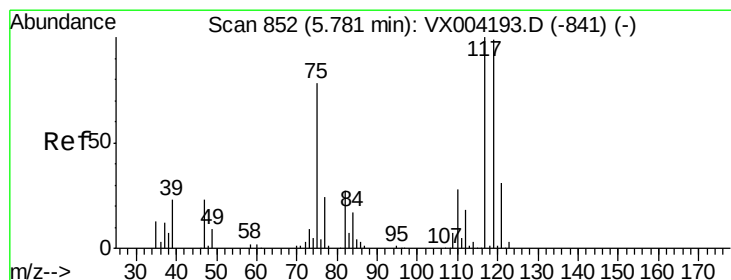
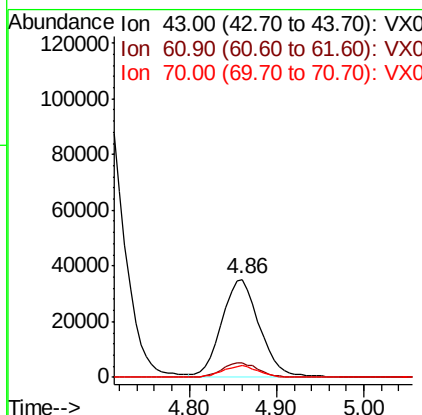
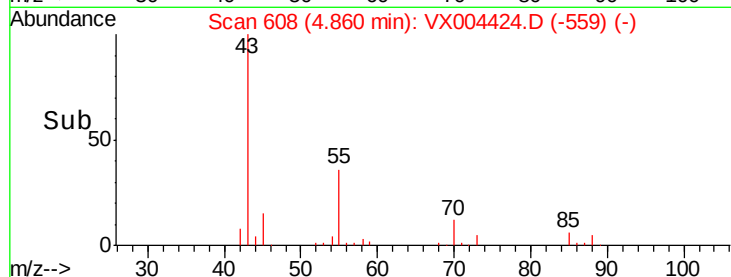
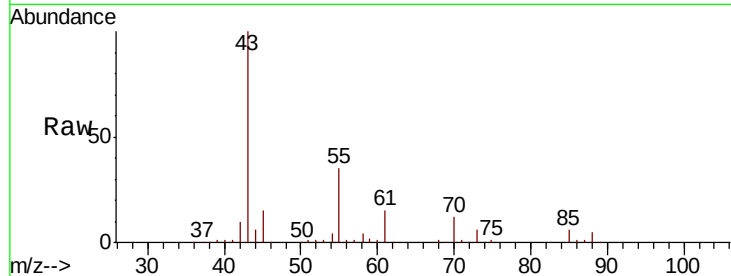
#37
Ethyl Acetate
Concen: 19.90 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	11.4	9.0	13.6

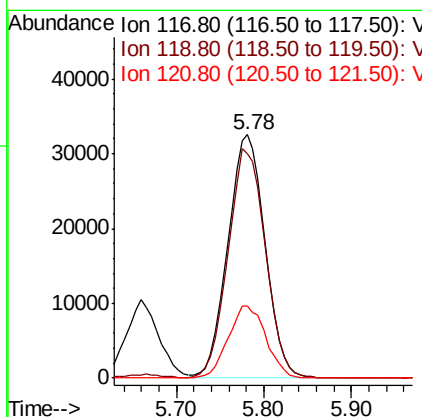
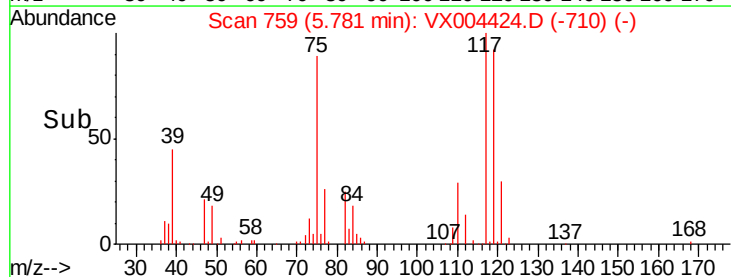
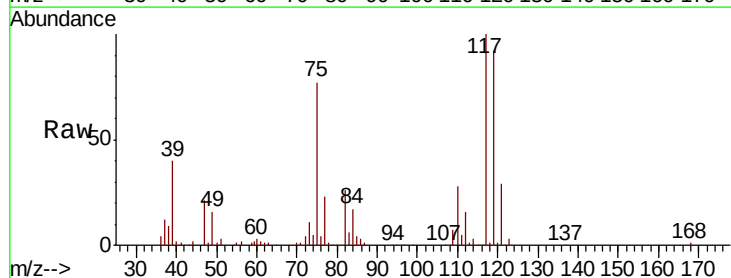
Manual Integrations
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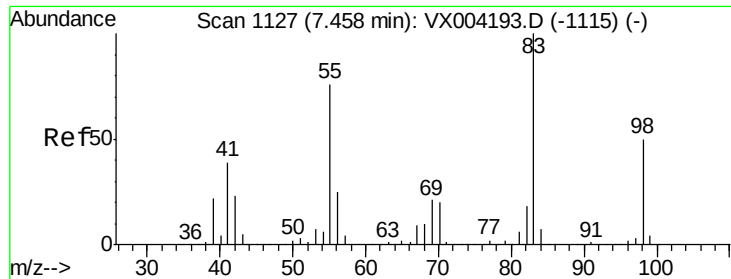
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.13 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	78.8	118.2
121	29.4	24.9	37.3





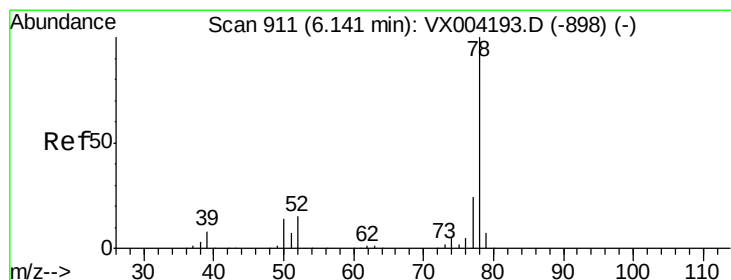
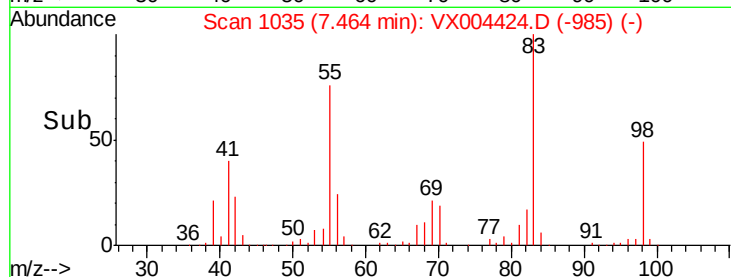
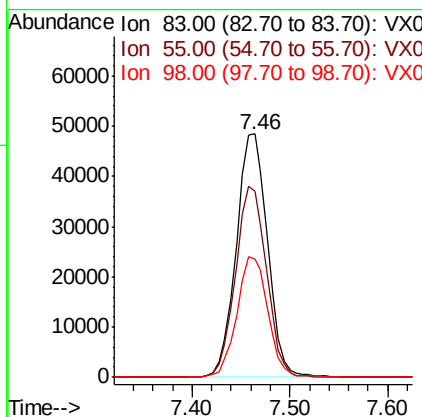
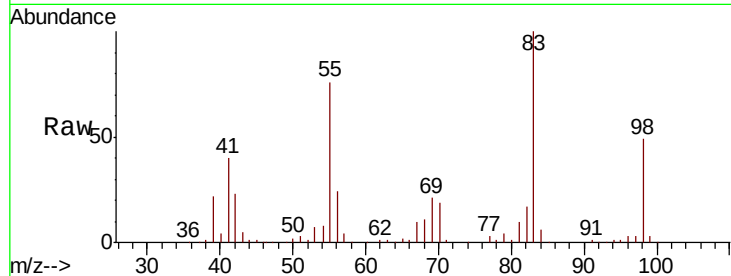
#39
Methylvlcyclohexane
Concen: 17.63 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	61.0	91.4
98	48.7	39.6	59.4

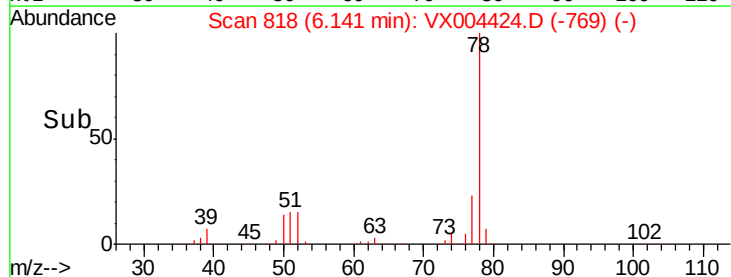
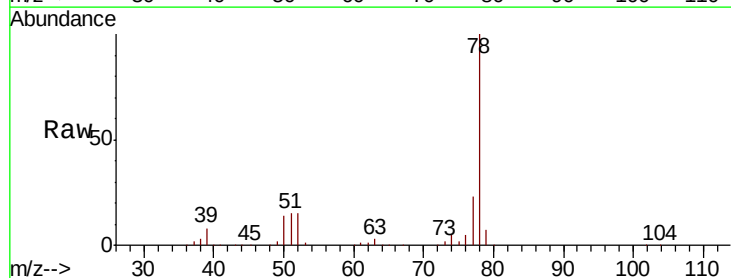
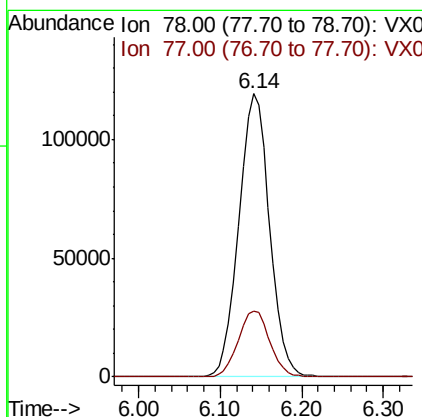
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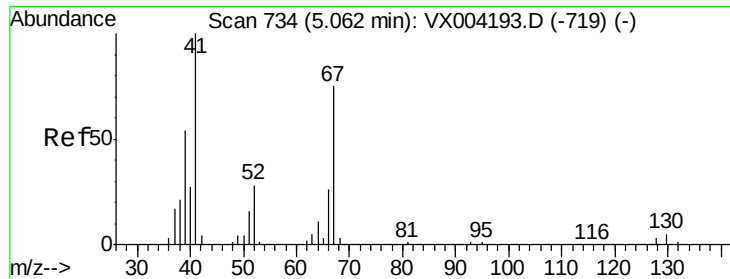
MMDadoda
9/10/2018 11:15:34 AM



#40
Benzene
Concen: 19.50 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





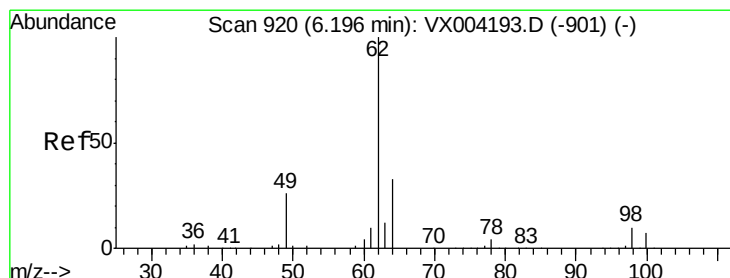
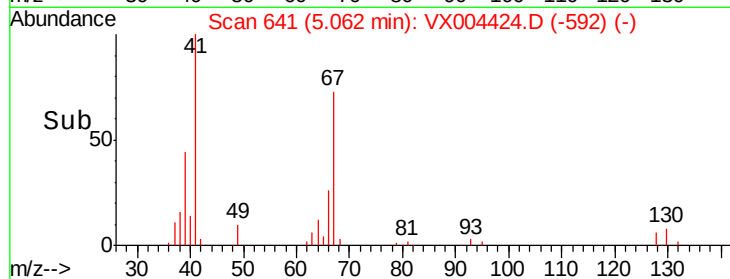
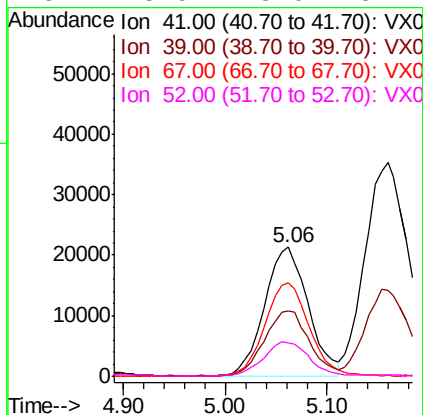
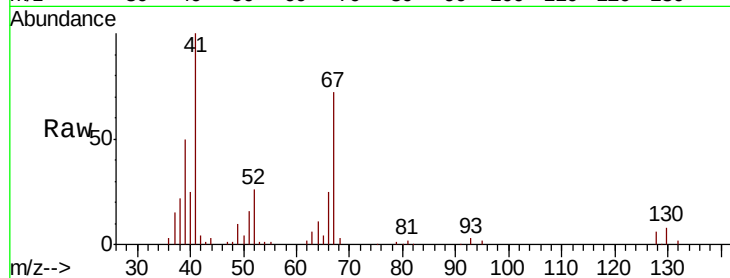
#41
Methacrylonitrile
Concen: 20.83 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	42.4	63.6	
67	73.6	59.2	88.8	
52	28.0	23.0	34.4	

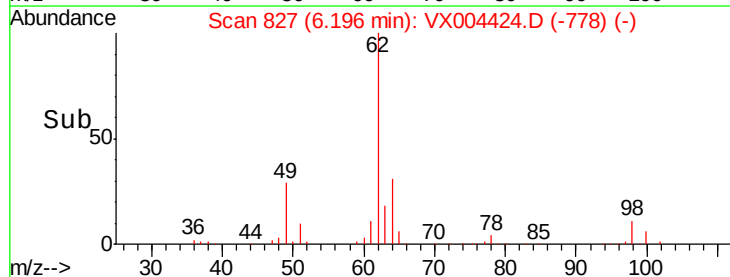
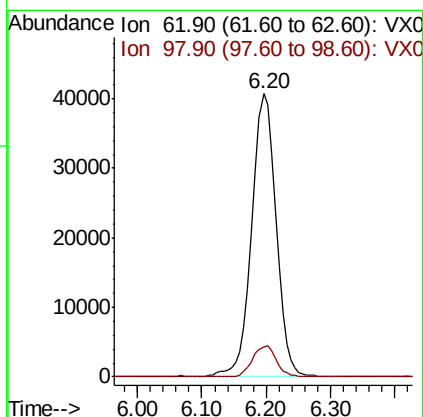
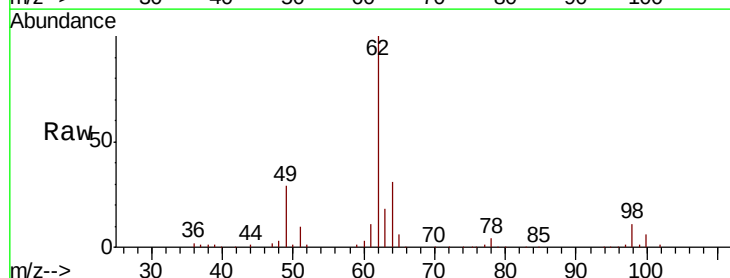
Manual Integrations
APPROVED

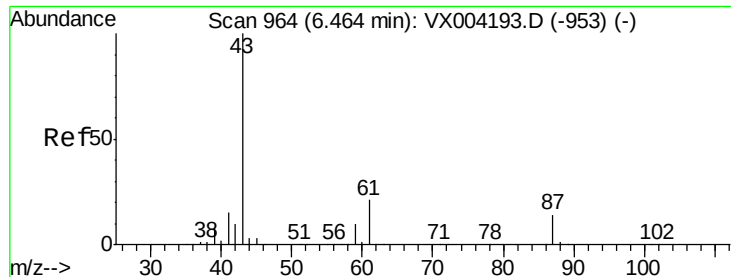
MMDadoda
9/10/2018 11:15:34 AM



#42
1,2-Dichloroethane
Concen: 19.46 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	0.0	20.6	





#43

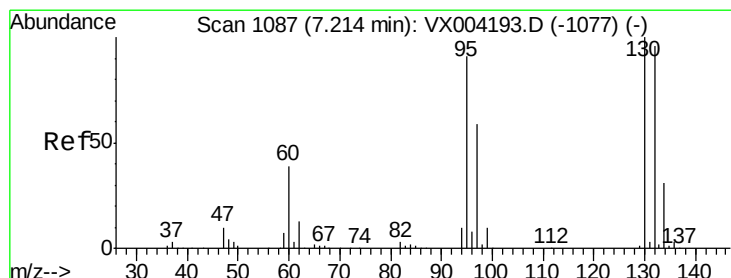
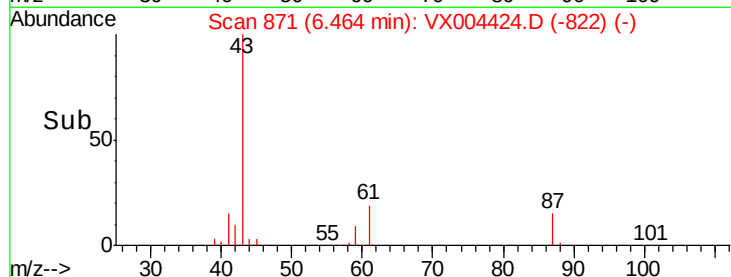
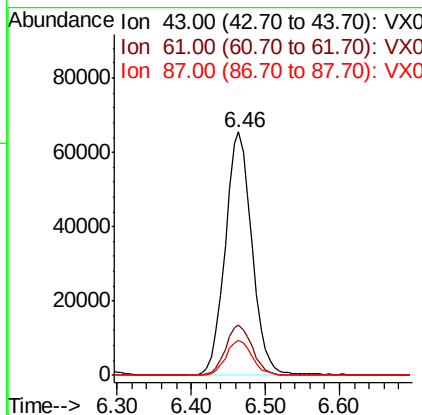
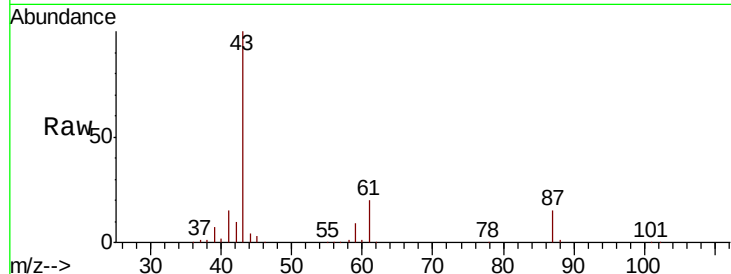
Isopropyl Acetate
 Concen: 20.28 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

Tot Ion	43	61	87
Resp	163810		
Ratio	100	20.8	14.2
Lower		17.0	11.4
Upper		25.4	17.2

Manual Integrations
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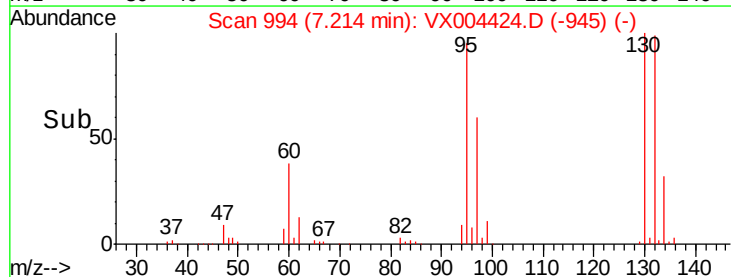
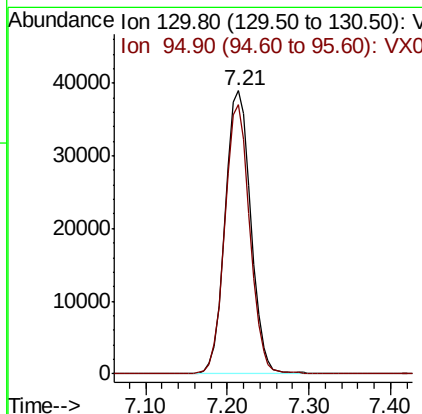
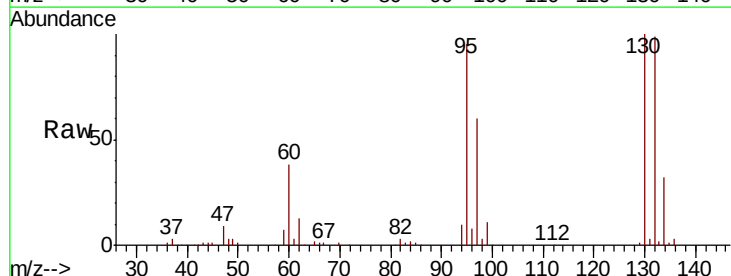
MMDadoda
 9/10/2018 11:15:34 AM

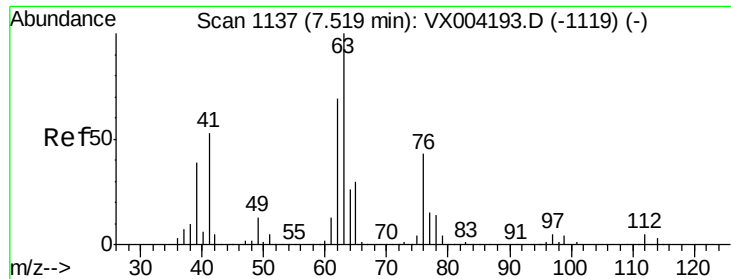


#44

Trichloroethene
 Concen: 19.08 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion	130	95
Resp	84358	
Ratio	100	95.2
Lower		0.0
Upper		181.6





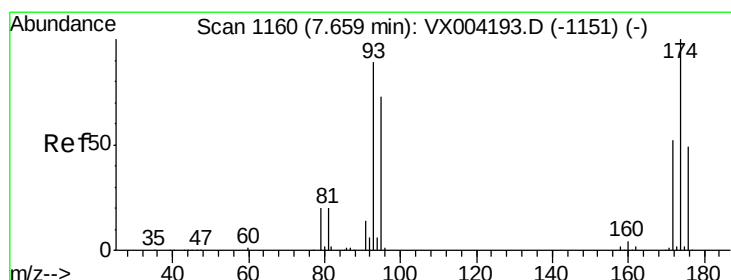
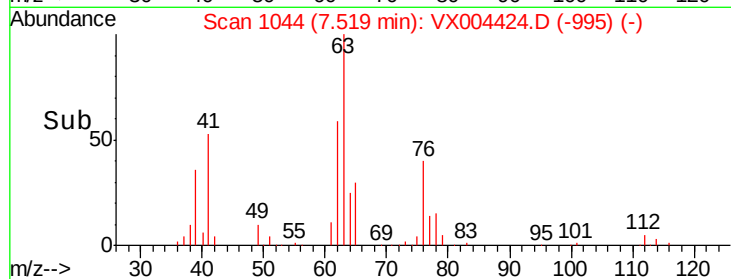
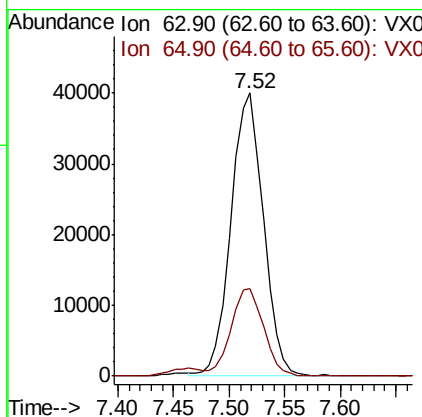
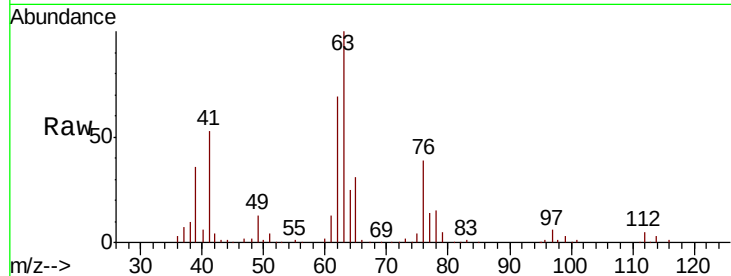
#45
 1,2-Dichloropropane
 Concen: 20.11 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

Tot Ion: 63 Resp: 80356
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.3 36.5

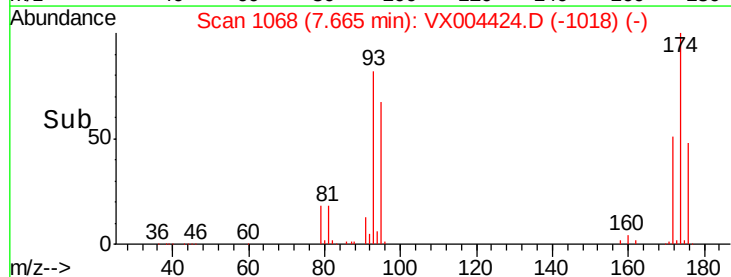
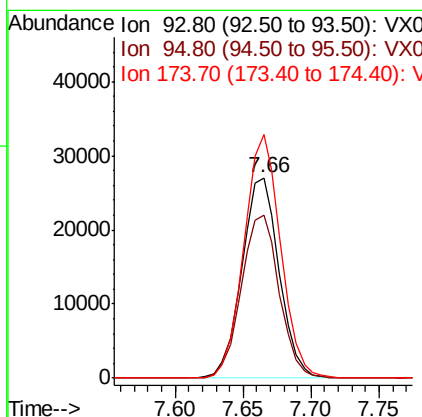
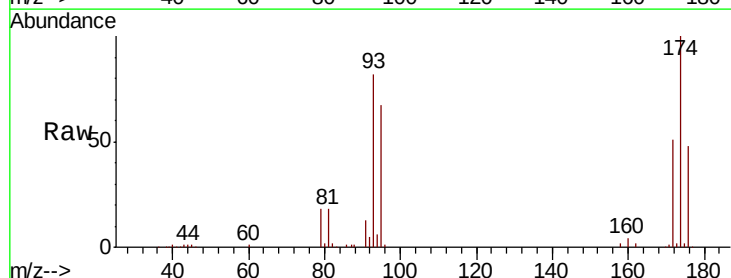
Manual Integrations
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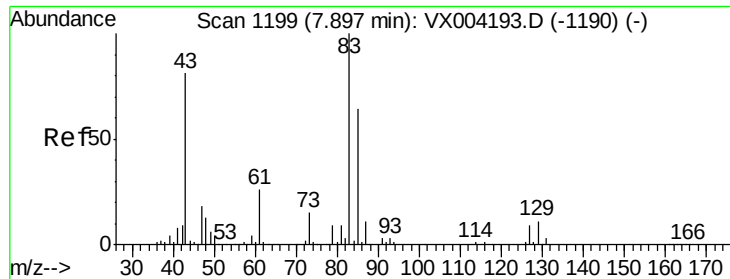
MMDadoda
 9/10/2018 11:15:34 AM



#46
 Dibromomethane
 Concen: 19.51 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion: 93 Resp: 51929
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.5 98.3
 174 119.5 94.2 141.4





#47

Bromodichloromethane

Concen: 19.94 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

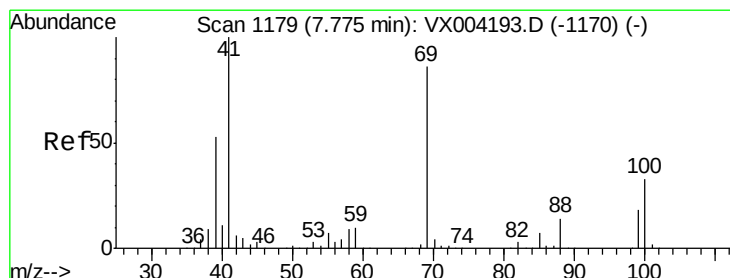
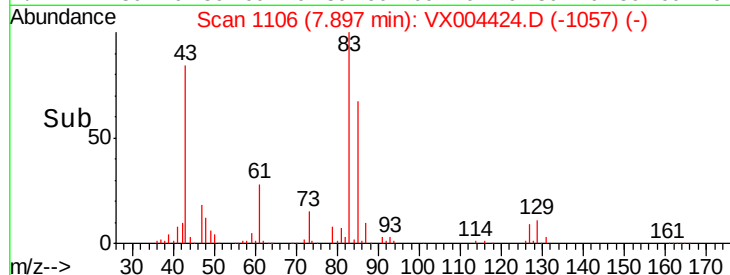
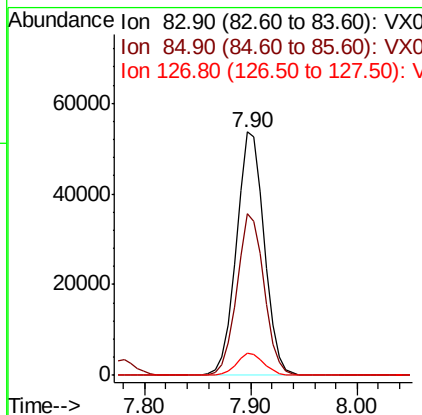
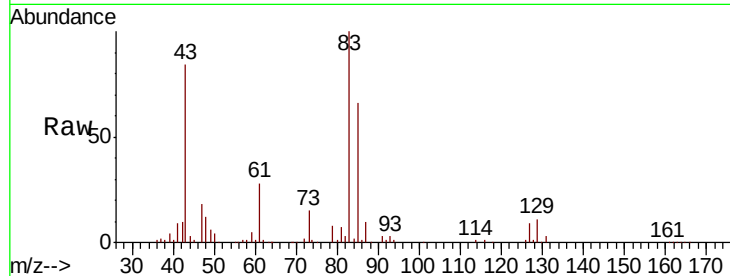
ClientSampleId :

VX0907WBS02

Tot Ion:	83	Resp:	98720
Ion	Ratio	Lower	Upper
83	100		
85	66.5	50.9	76.3
127	9.2	7.3	10.9

Manual Integrations
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MMDadoda
9/10/2018 11:15:34 AM



#48

Methyl methacrylate

Concen: 20.46 ug/l

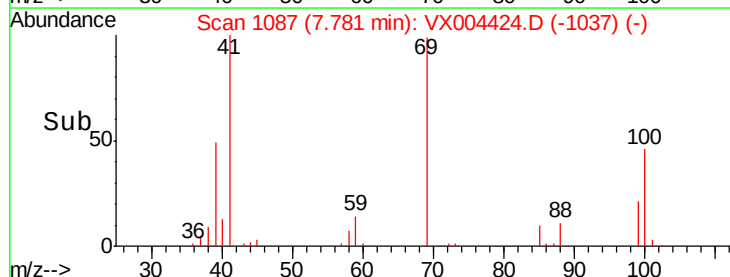
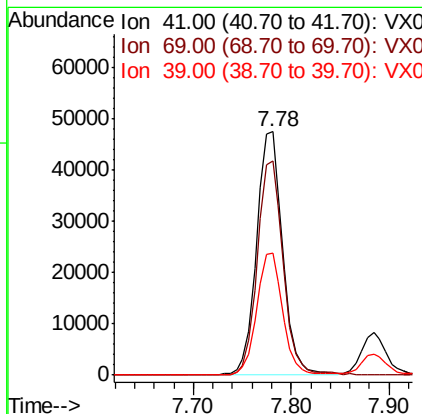
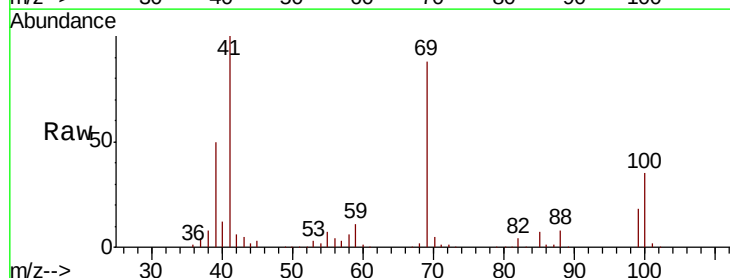
RT: 7.78 min Scan# 1087

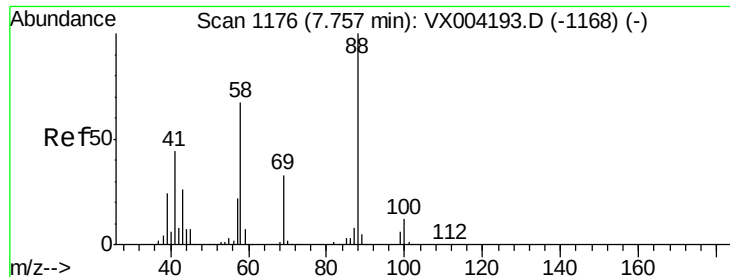
Delta R.T. 0.01 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Tgt Ion:	41	Resp:	88416
Ion	Ratio	Lower	Upper
41	100		
69	87.9	70.2	105.4
39	49.9	42.7	64.1





#49

1,4-Dioxane

Concen: 454.51 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

Tot Ion: 88 Resp: 44595

Ion Ratio Lower Upper

88 100

43 29.3 24.7 37.1

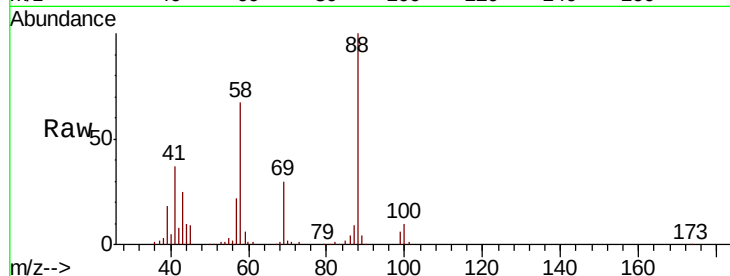
58 71.5 55.3 82.9

Manual Integrations

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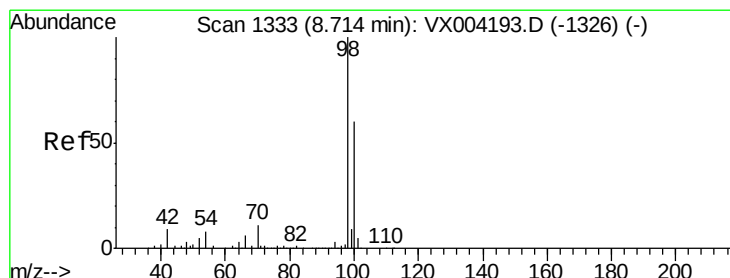
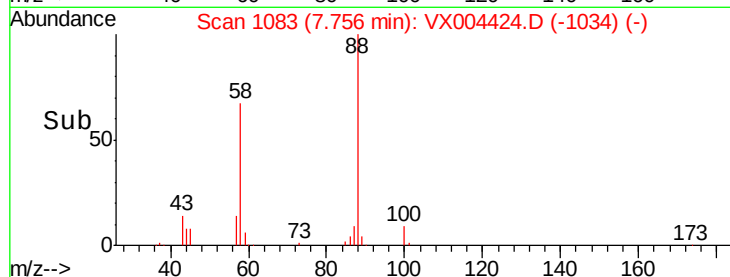
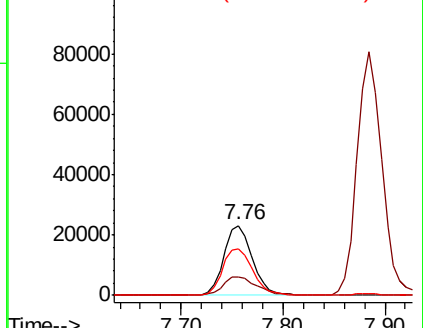
9/10/2018 11:15:34 AM



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.66 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX004424.D

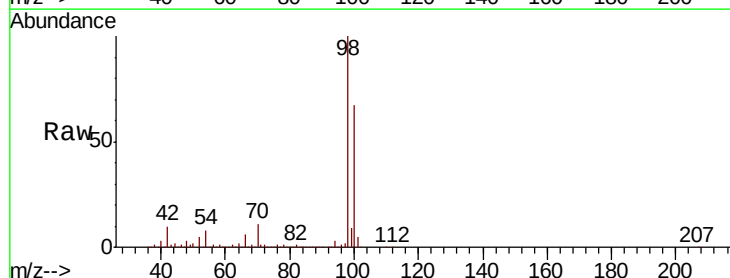
Acq: 07 Sep 2018 23:39

Tgt Ion: 98 Resp: 662937

Ion Ratio Lower Upper

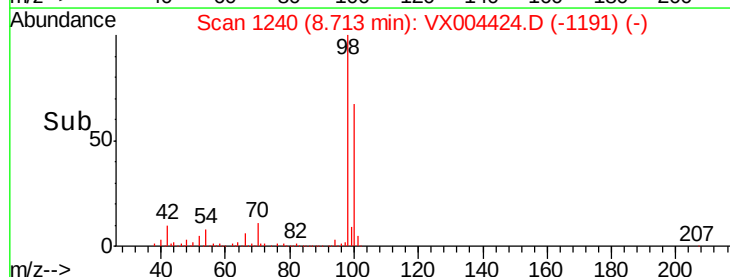
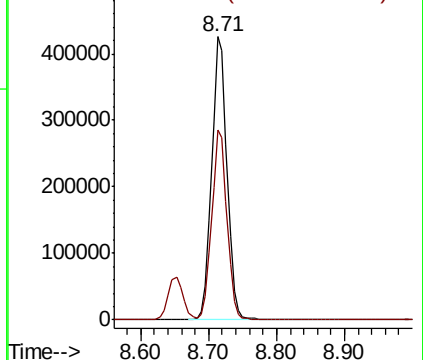
98 100

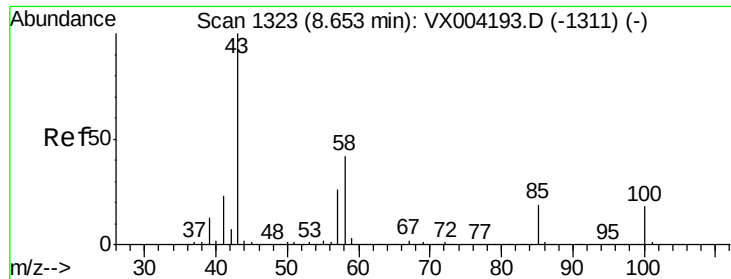
100 67.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 100.42 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

Tot Ion: 43 Resp: 589250

Ion Ratio Lower Upper

43 100

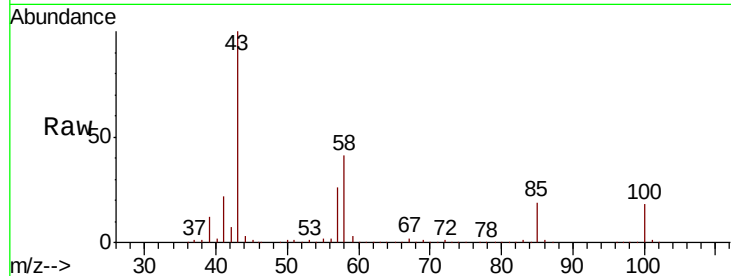
58 40.9 33.1 49.7

Manual Integrations

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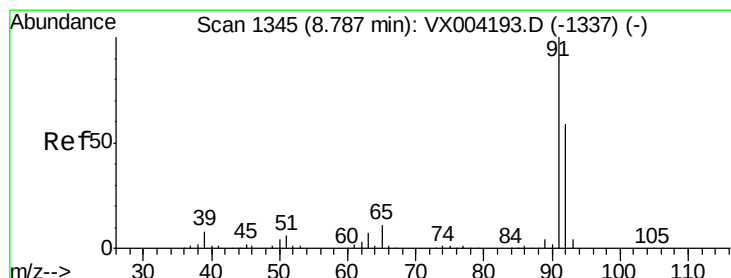
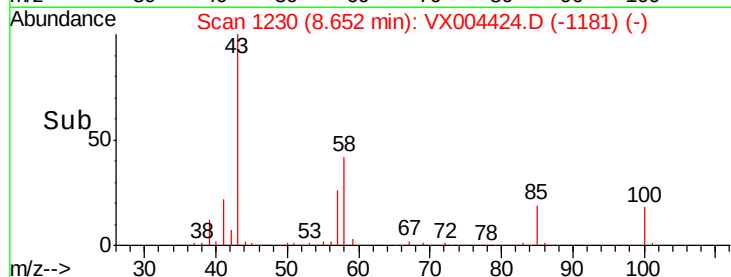
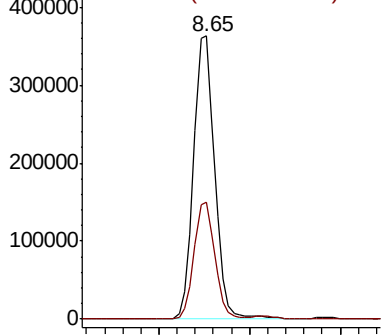
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.94 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004424.D

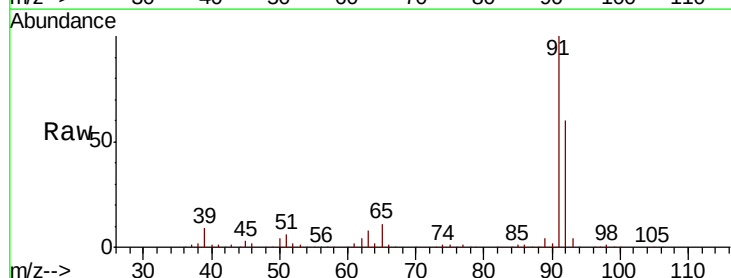
Acq: 07 Sep 2018 23:39

Tgt Ion: 92 Resp: 199336

Ion Ratio Lower Upper

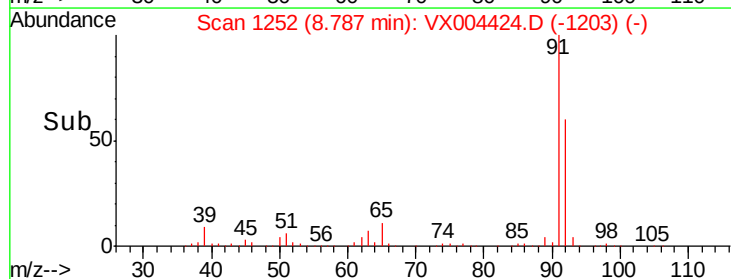
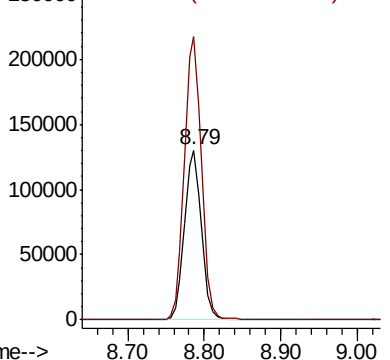
92 100

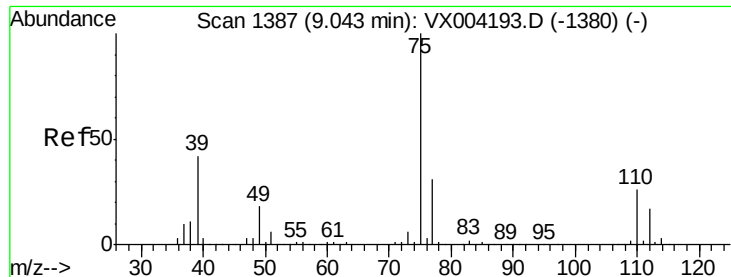
91 169.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 18.54 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

Tot Ion: 75 Resp: 101415

Ion Ratio Lower Upper

75 100

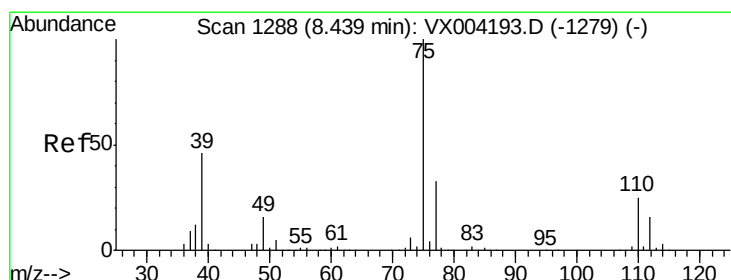
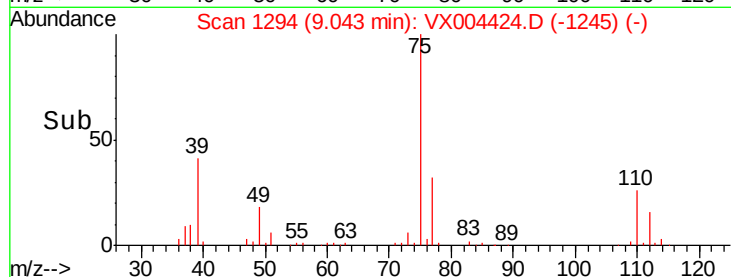
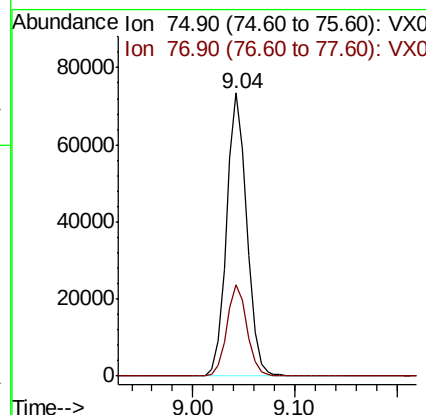
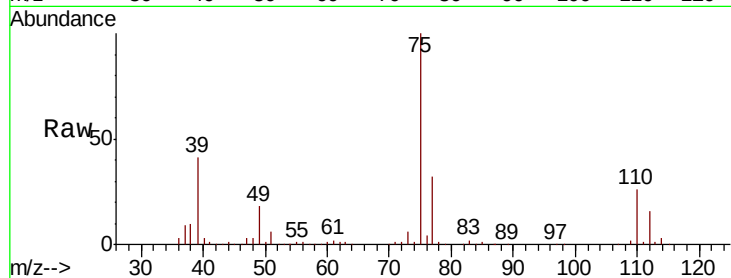
77 32.1 24.6 37.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.43 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

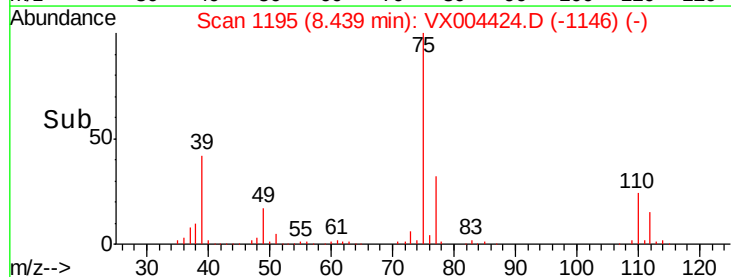
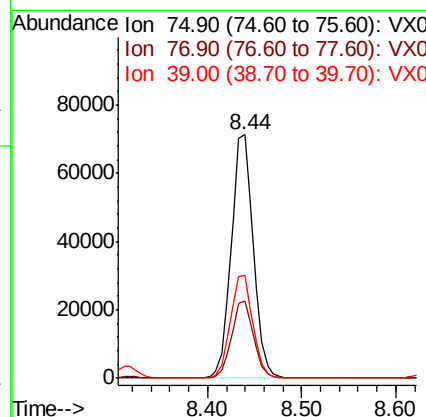
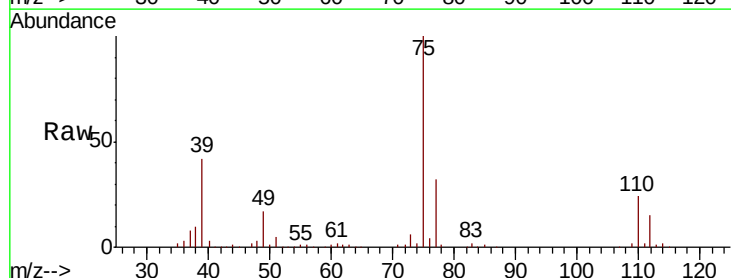
Tgt Ion: 75 Resp: 115730

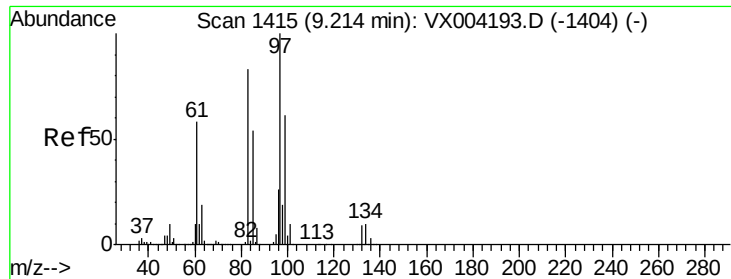
Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2

39 42.1 36.4 54.6





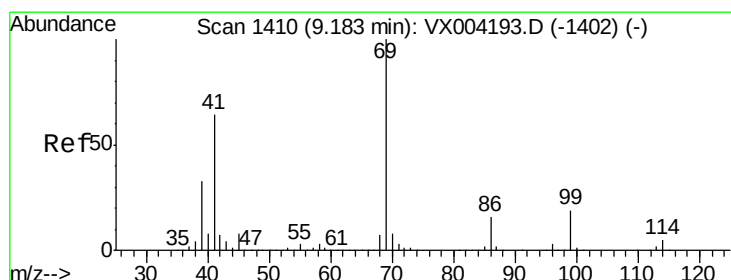
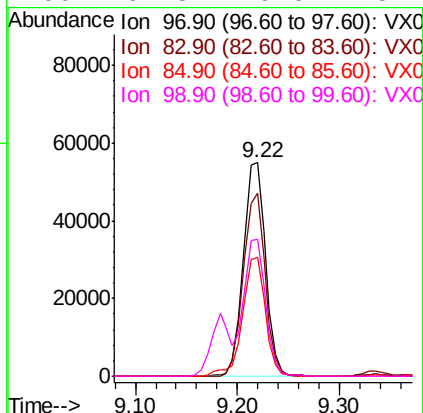
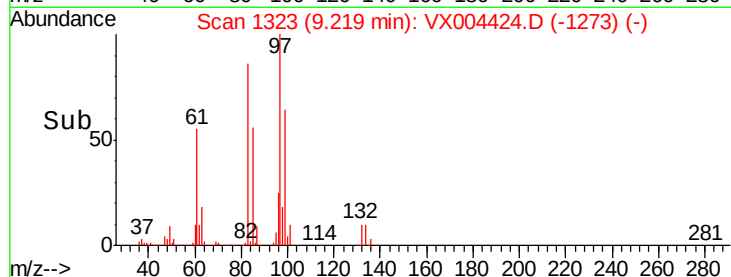
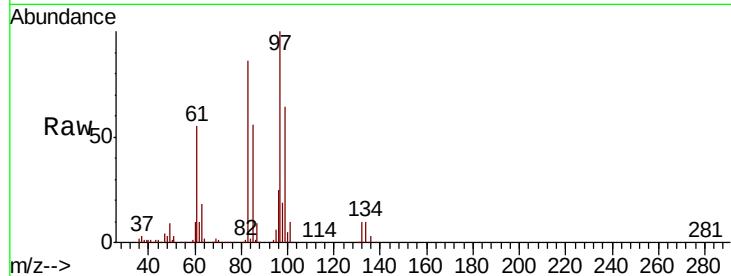
#55
 1,1,2-Trichloroethane
 Concen: 20.67 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

Tot Ion:	97	Resp:	83398
Ion	Ratio	Lower	Upper
97	100		
83	85.6	66.4	99.6
85	55.6	43.3	64.9
99	64.3	49.0	73.4

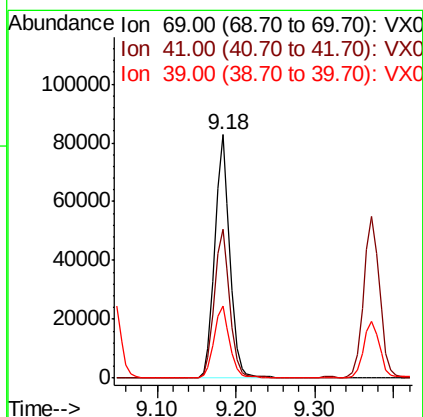
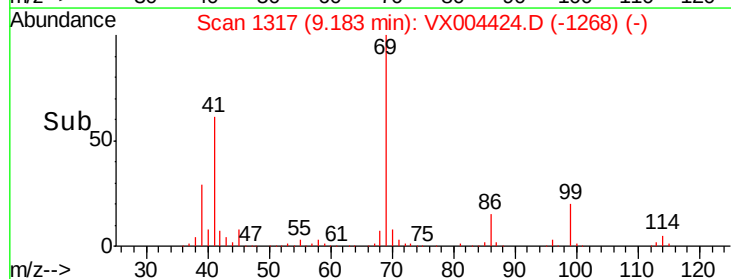
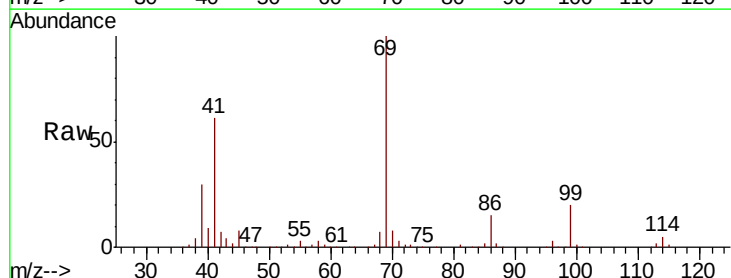
Manual Integrations
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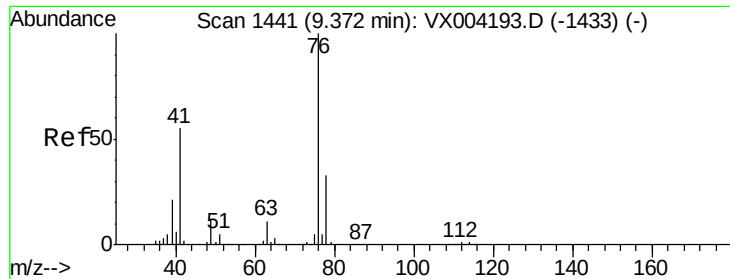
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#56
 Ethyl methacrylate
 Concen: 20.15 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion:	69	Resp:	110674
Ion	Ratio	Lower	Upper
69	100		
41	62.5	51.0	76.4
39	30.3	26.1	39.1





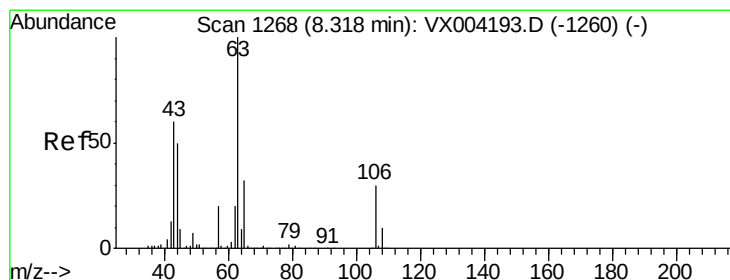
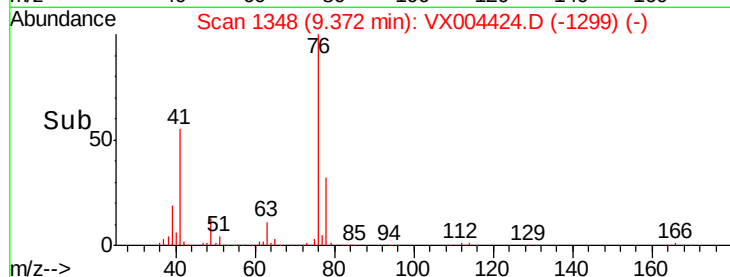
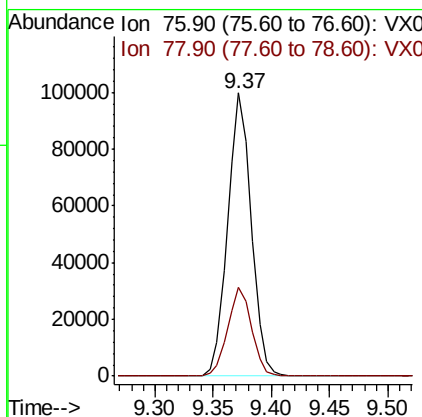
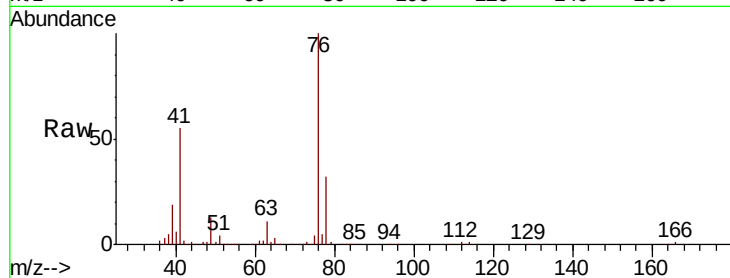
#57
 1,3-Dichloropropane
 Concen: 20.68 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

Tot Ion: 76 Resp: 140634
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.5 38.3

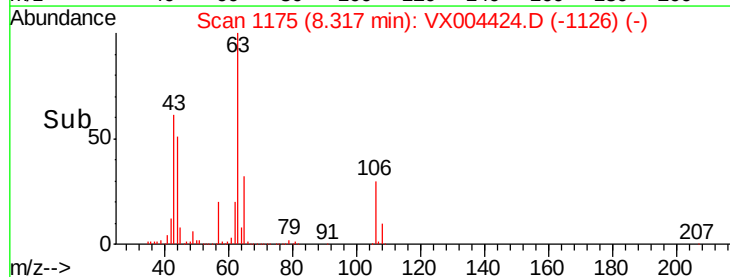
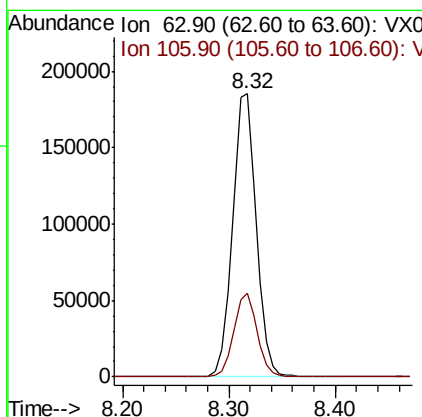
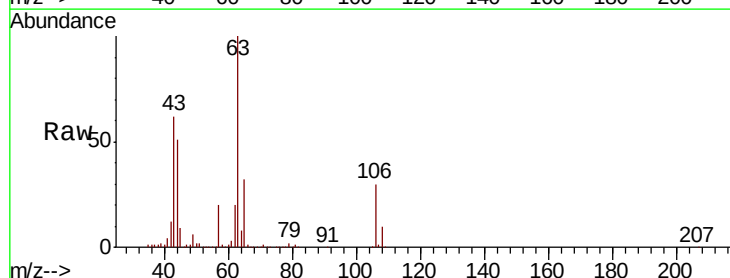
Manual Integrations
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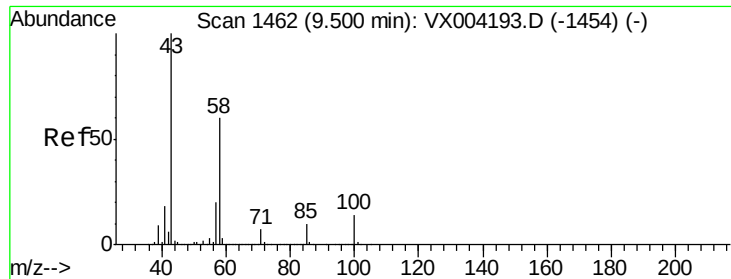
MMDadoda
 9/10/2018 11:15:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.84 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion: 63 Resp: 289463
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.9 35.9





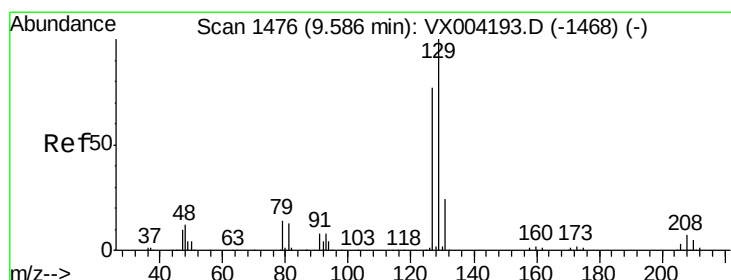
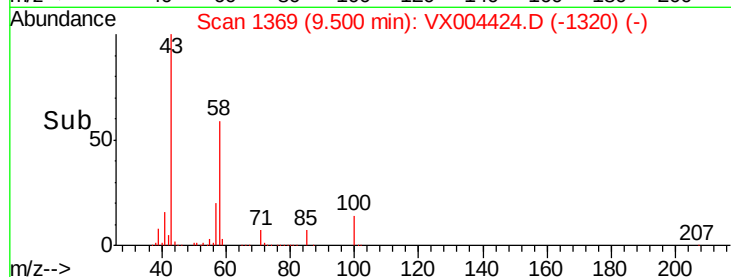
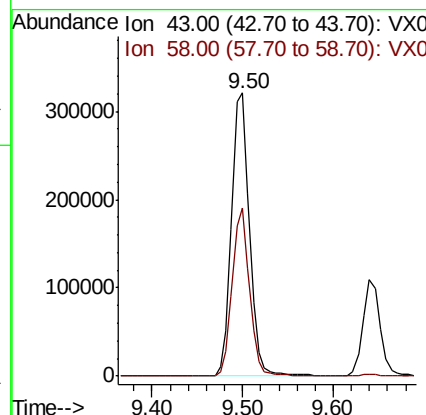
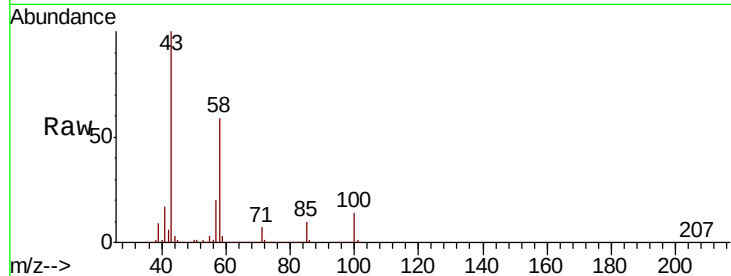
#59
2-Hexanone
Concen: 98.97 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

Tot Ion: 43 Resp: 443081
Ion Ratio Lower Upper
43 100
58 57.4 29.0 87.0

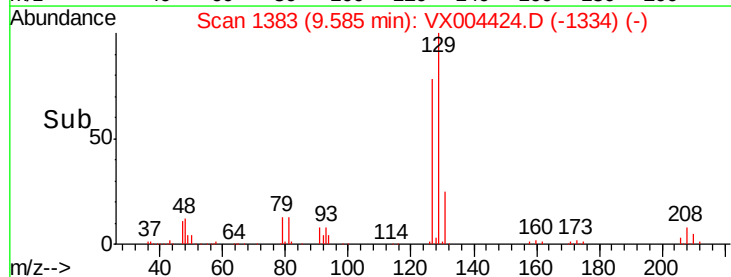
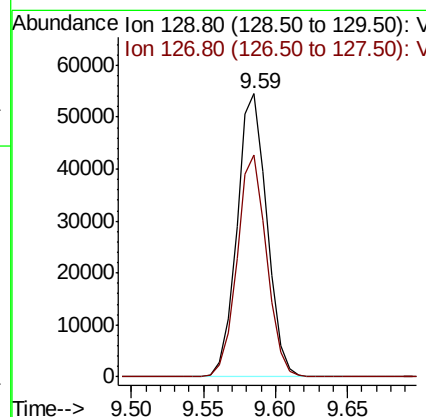
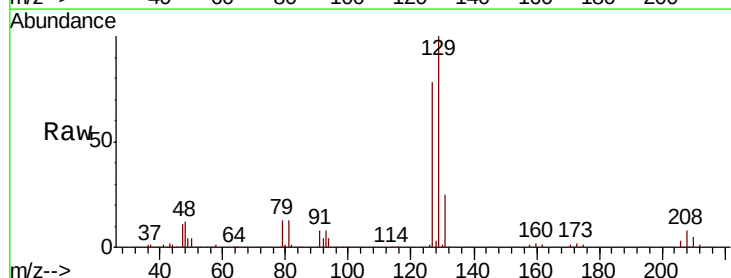
Manual Integrations
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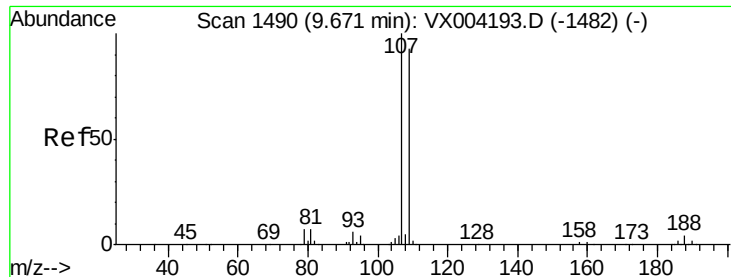
MMDadoda
9/10/2018 11:15:34 AM



#60
Dibromochloromethane
Concen: 20.07 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion: 129 Resp: 78906
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.14 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

Tot Ion:107 Resp: 84108

Ion Ratio Lower Upper

107 100

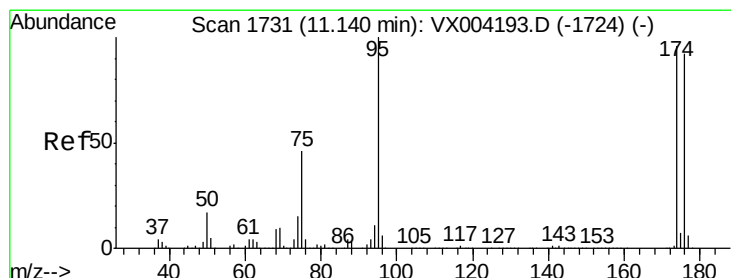
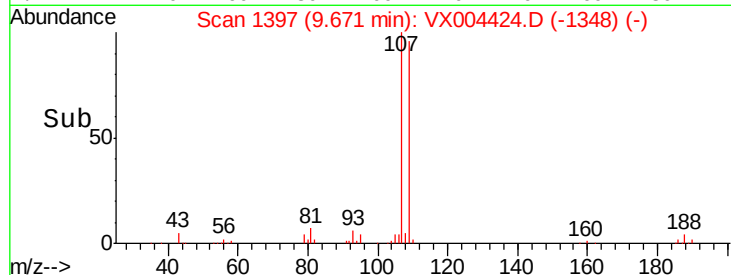
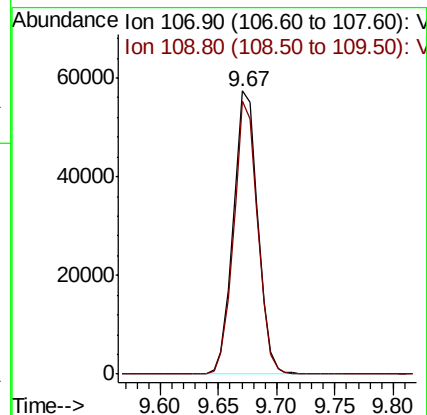
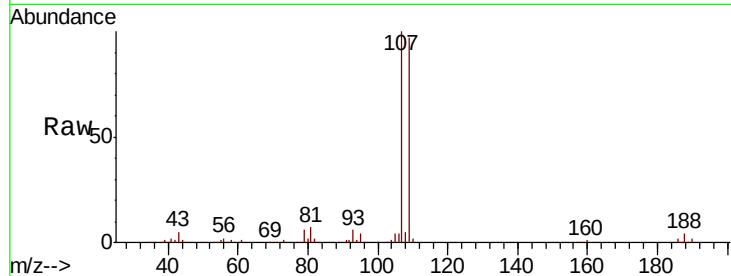
109 94.2 76.0 114.0

Manual Integrations

APPROVED

MMDadoda

9/10/2018 11:15:34 AM



#62

4-Bromofluorobenzene

Concen: 51.32 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

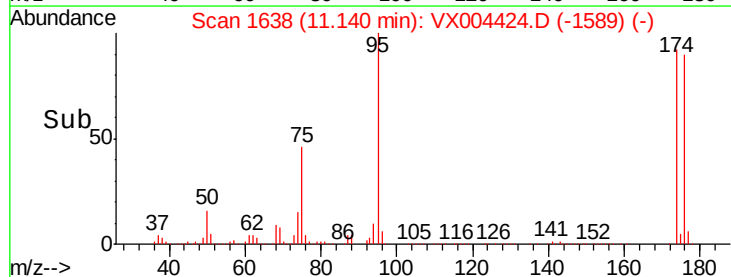
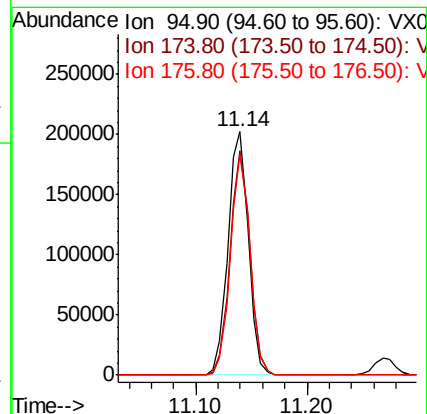
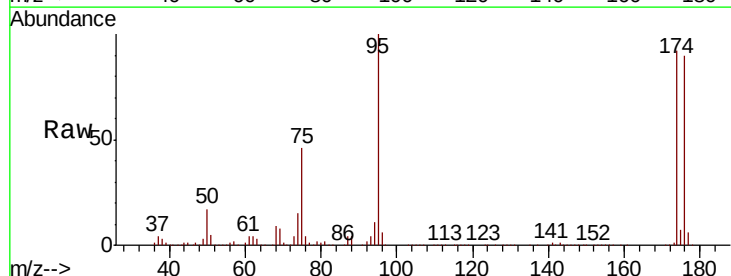
Tgt Ion: 95 Resp: 255621

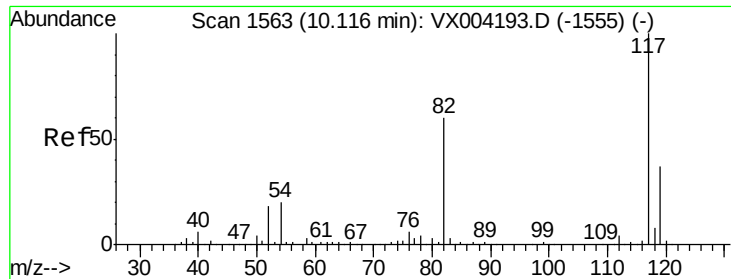
Ion Ratio Lower Upper

95 100

174 90.2 0.0 185.2

176 87.5 0.0 178.6





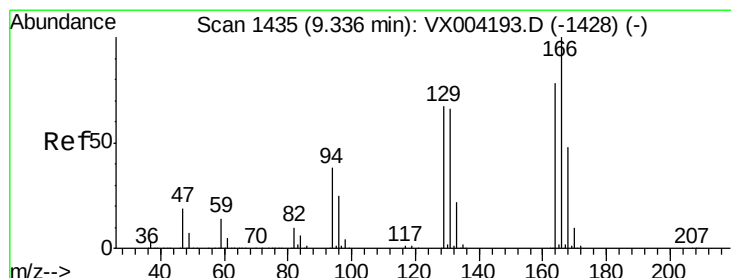
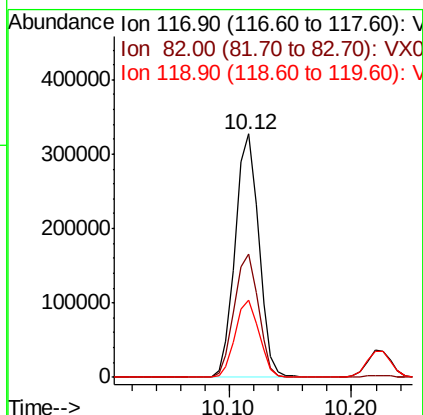
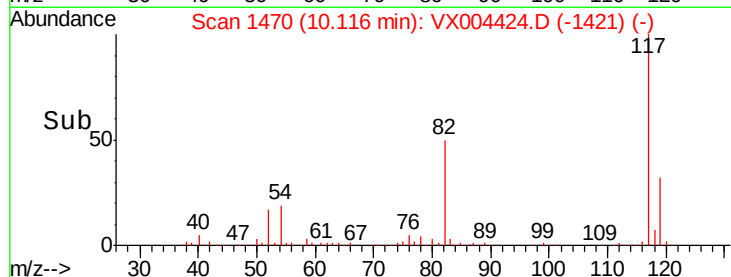
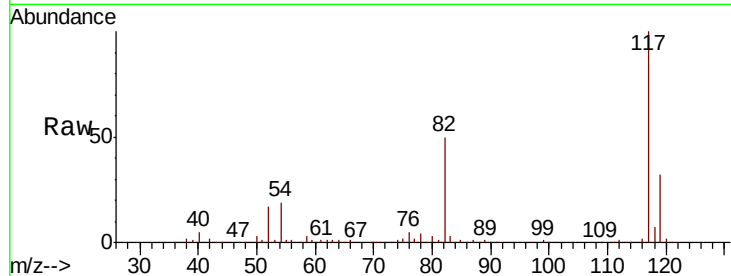
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	47.8	71.6
119	31.6	29.3	43.9

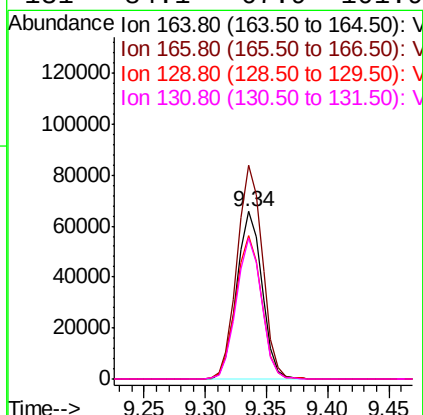
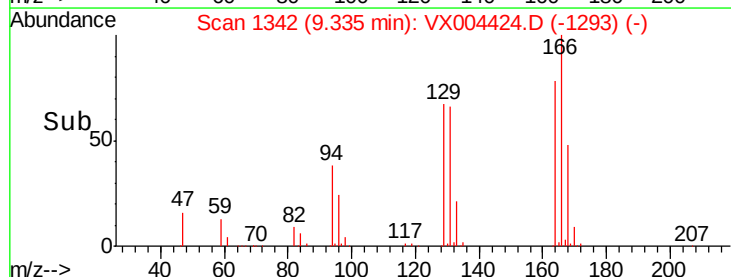
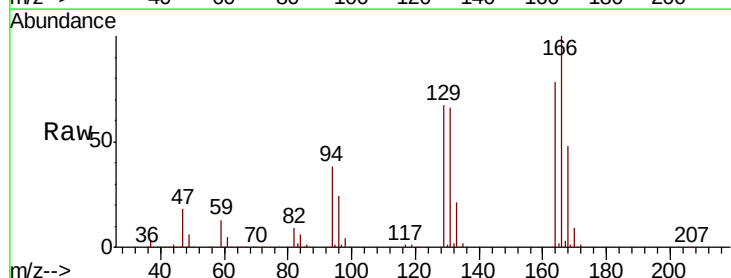
Manual Integrations
APPROVED

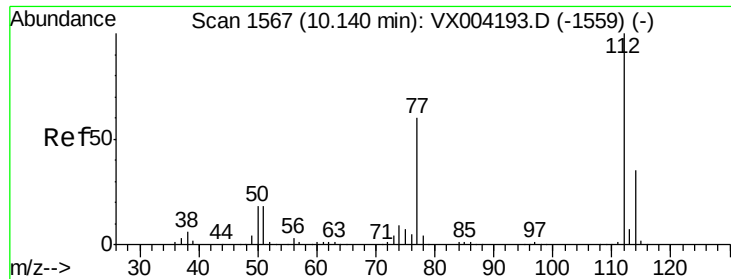
MMDadoda
9/10/2018 11:15:34 AM



#64
Tetrachloroethene
Concen: 21.71 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	102.8	154.2
129	85.9	69.4	104.0
131	84.1	67.9	101.9





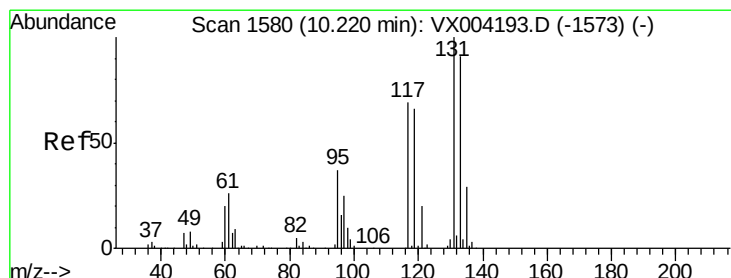
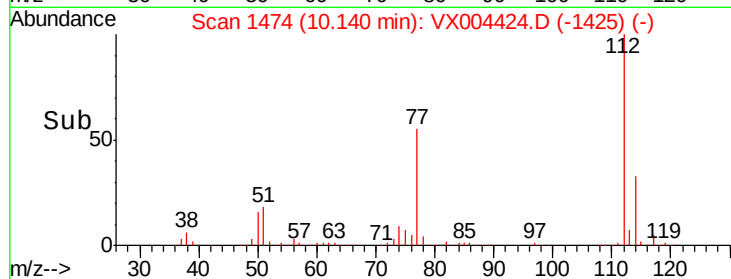
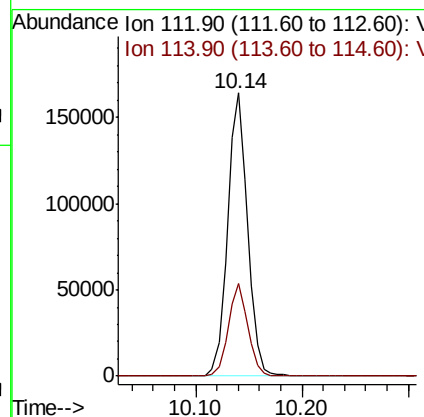
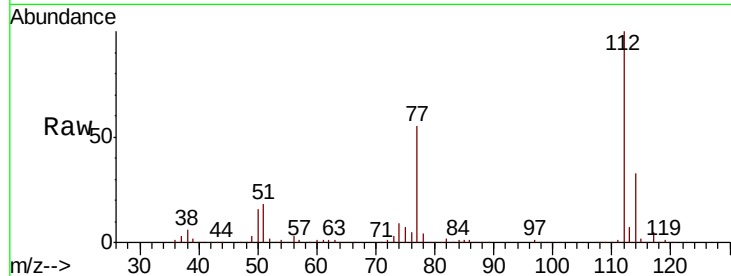
#65
Chlorobenzene
Concen: 19.51 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	27.8	41.8

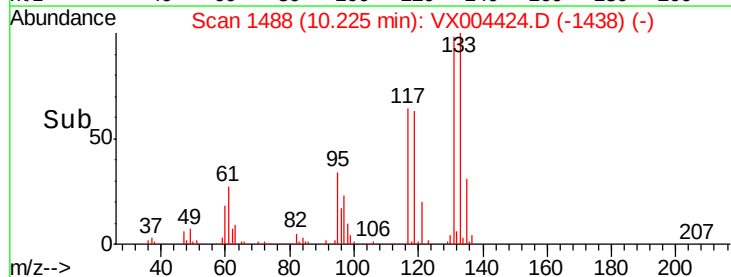
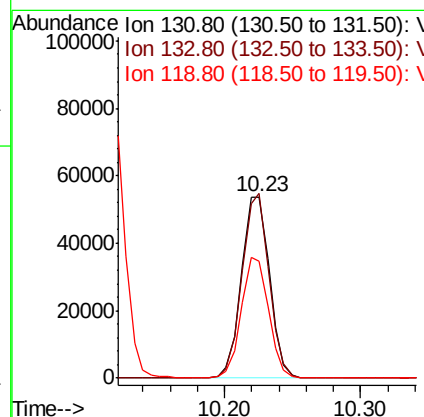
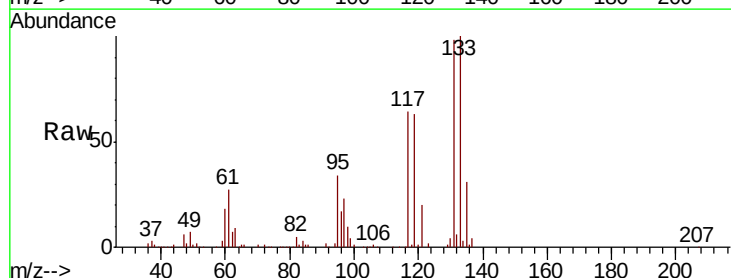
Manual Integrations
APPROVED

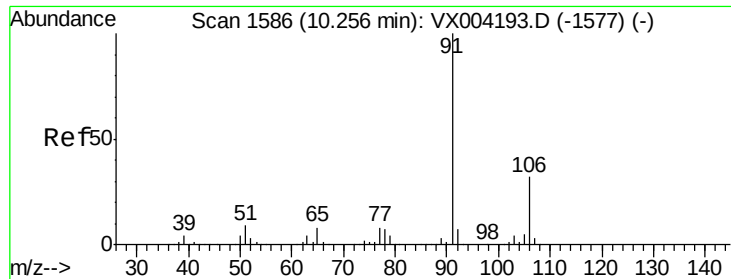
MMDadoda
9/10/2018 11:15:34 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.56 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	48.1	144.4
119	64.6	32.9	98.6





#67

Ethyl Benzene

Concen: 20.03 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

Tot Ion: 91 Resp: 357406

Ion Ratio Lower Upper

91 100

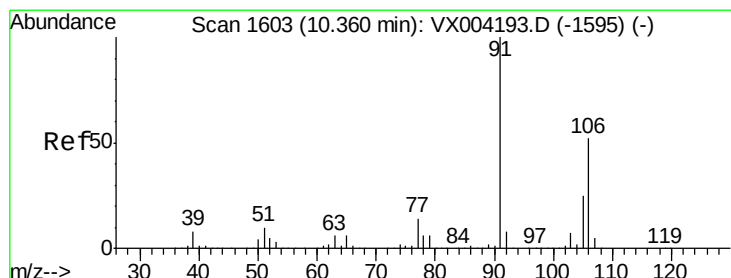
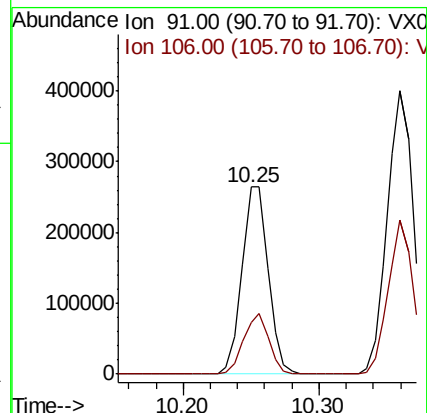
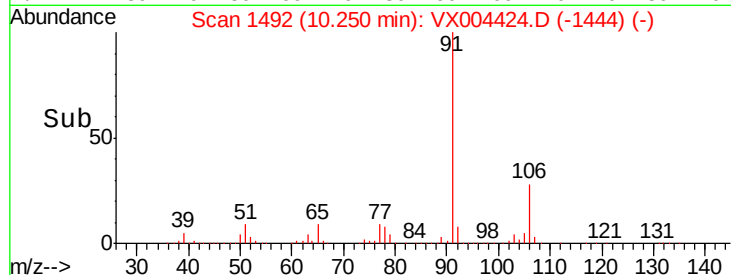
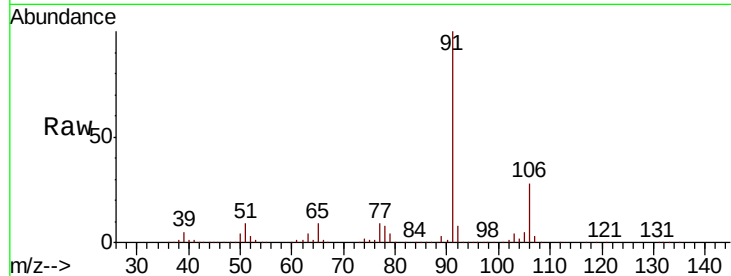
106 27.7 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

9/10/2018 11:15:34 AM



#68

m/p-Xylenes

Concen: 40.15 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004424.D

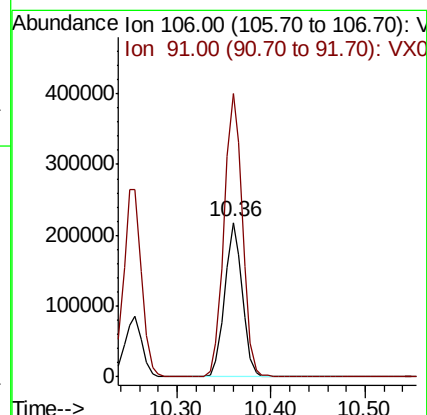
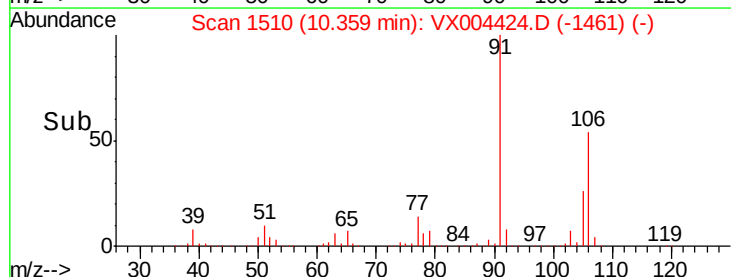
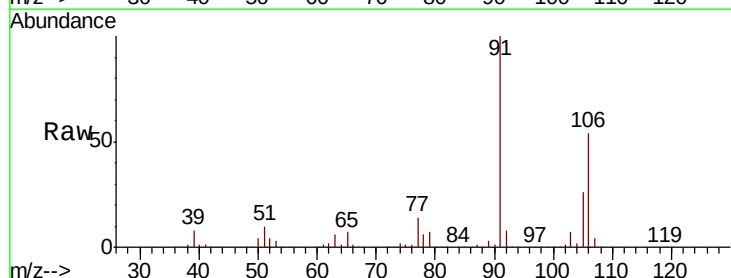
Acq: 07 Sep 2018 23:39

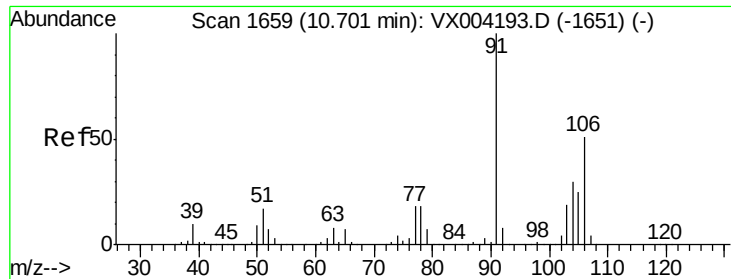
Tgt Ion: 106 Resp: 280061

Ion Ratio Lower Upper

106 100

91 192.9 157.1 235.7





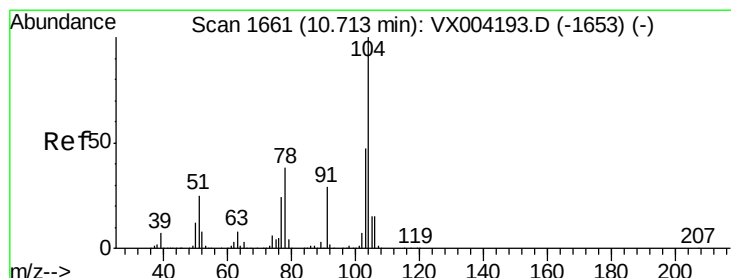
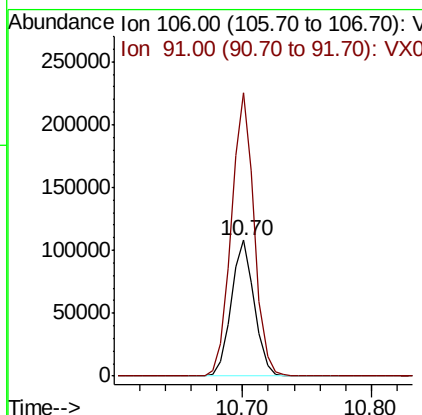
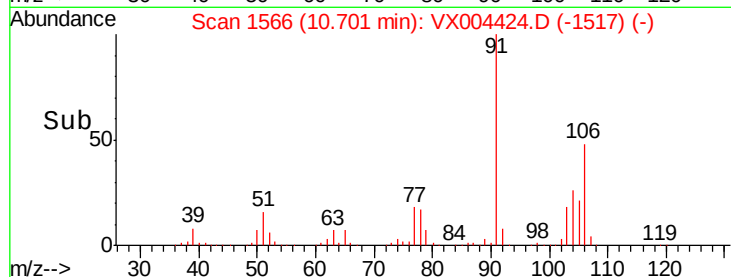
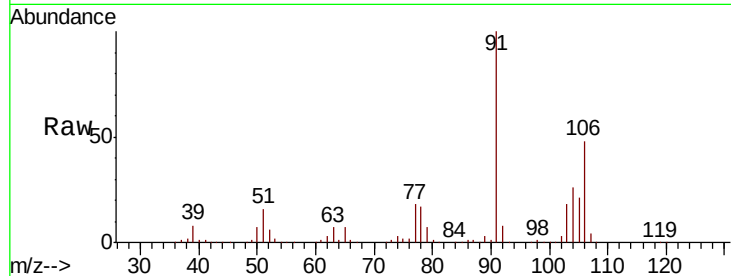
#69
o-Xylene
Concen: 20.43 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		134778		
91	207.0	105.1	315.1		

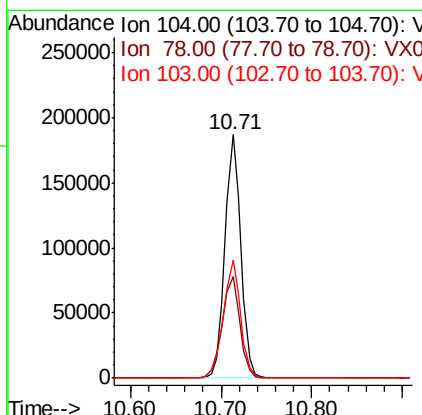
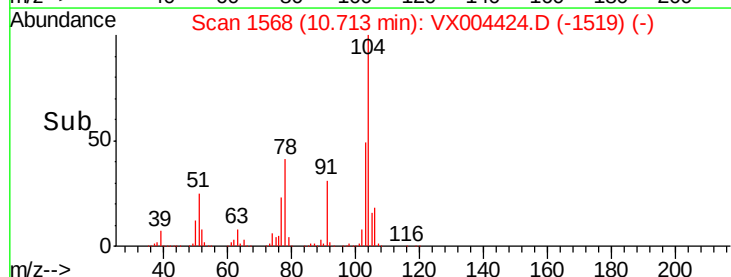
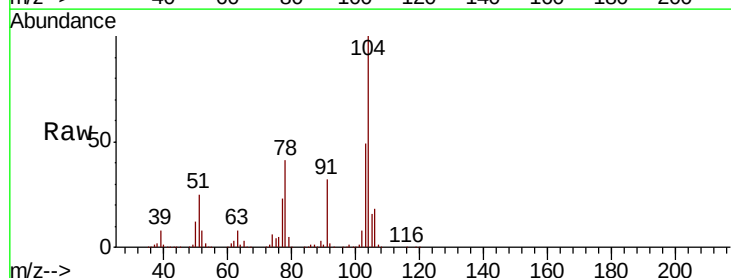
Manual Integrations
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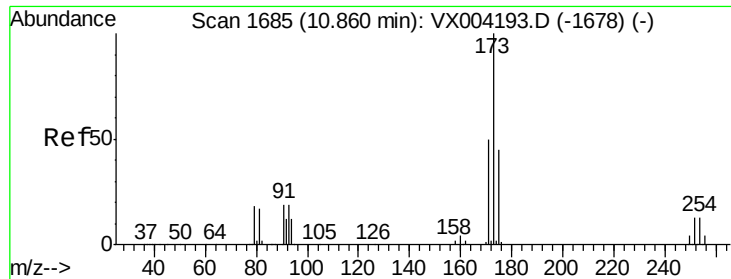
MMDadoda
9/10/2018 11:15:34 AM



#70
Styrene
Concen: 21.44 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		229029		
78	46.7	37.4	56.0		
103	52.6	43.8	65.6		





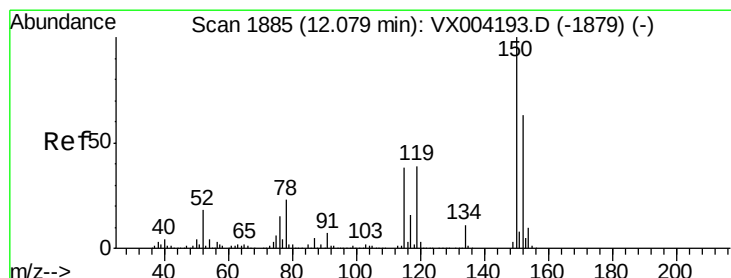
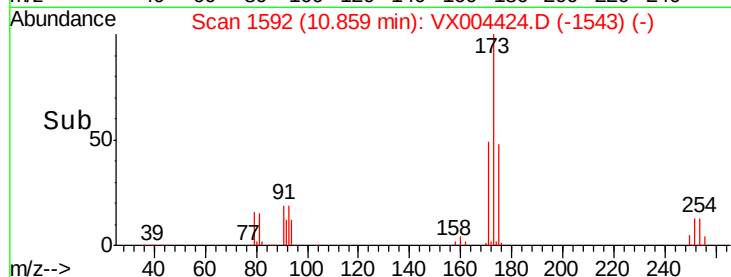
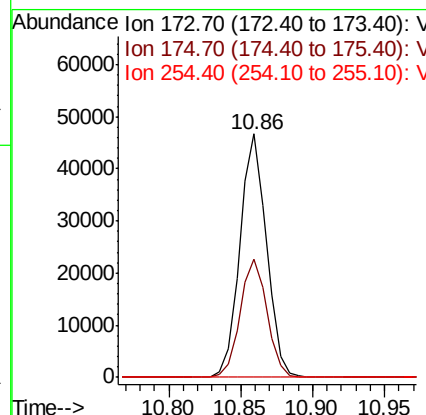
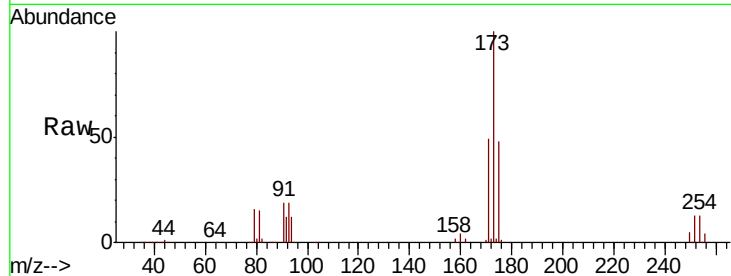
#71
Bromoform
Concen: 19.69 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.1	0.2	0.2

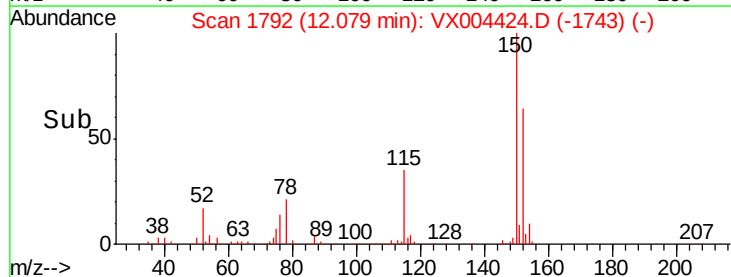
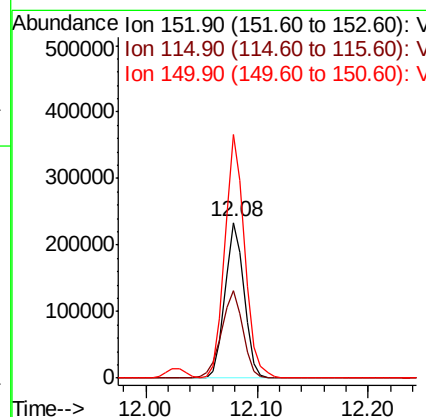
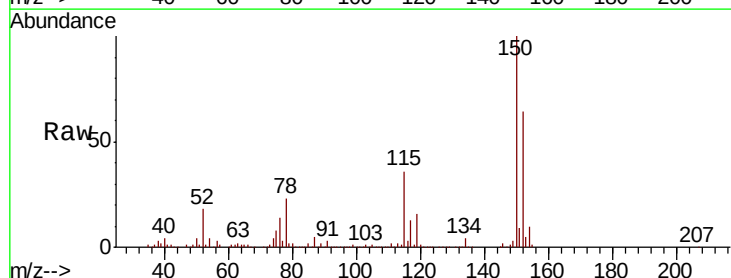
Manual Integrations
APPROVED

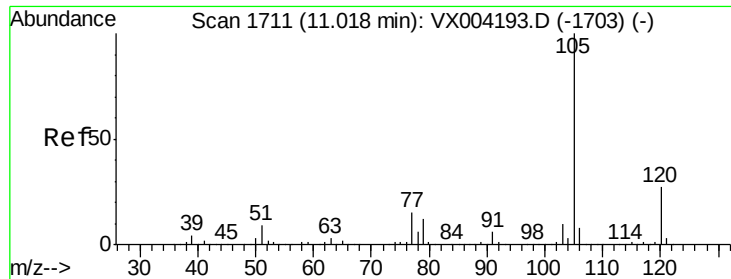
MMDadoda
9/10/2018 11:15:34 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	39.0	117.0
150	162.6	0.0	351.0





#73

Isopropylbenzene

Concen: 20.56 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

Tot Ion:105 Resp: 374759

Ion Ratio Lower Upper

105 100

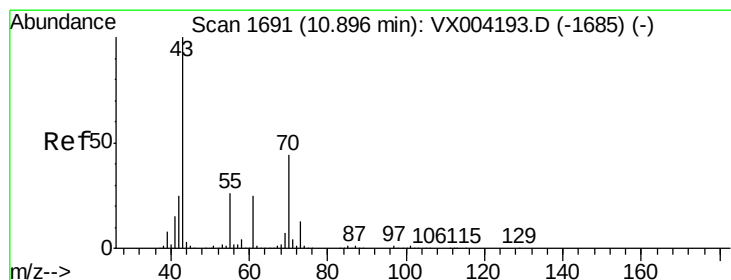
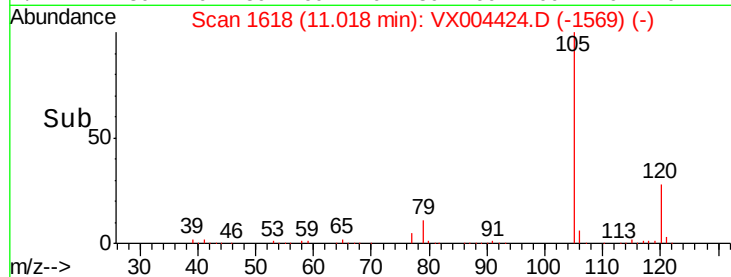
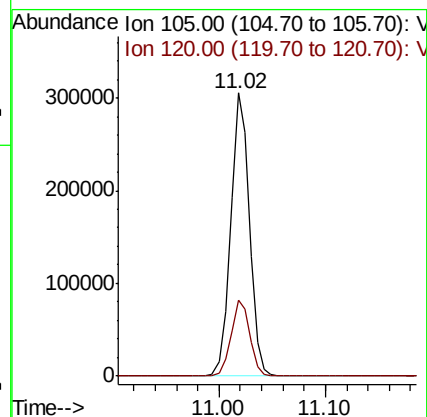
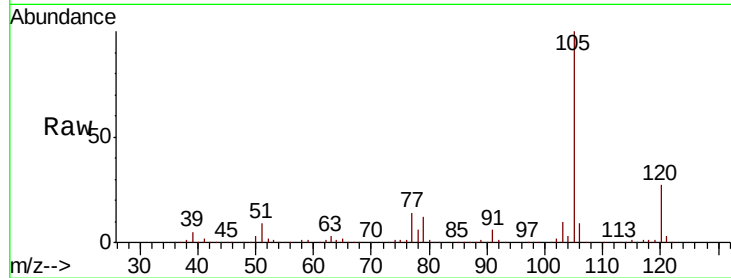
120 27.0 13.5 40.4

Manual Integrations

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MMDadoda

9/10/2018 11:15:34 AM



#74

N-ethyl acetate

Concen: 19.58 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Tgt Ion: 43 Resp: 137423

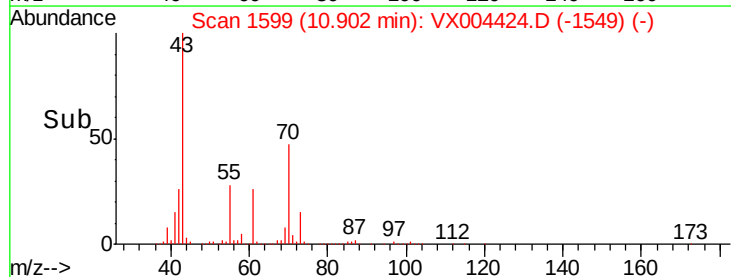
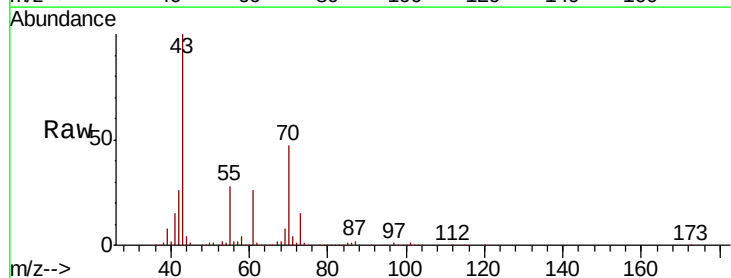
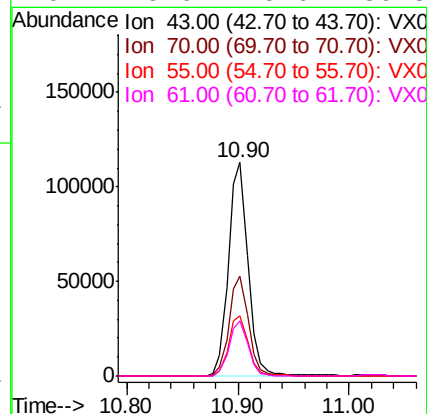
Ion Ratio Lower Upper

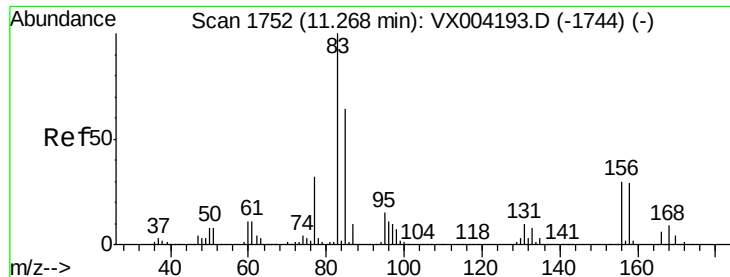
43 100

70 46.5 37.4 56.0

55 28.7 21.8 32.8

61 25.6 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.70 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

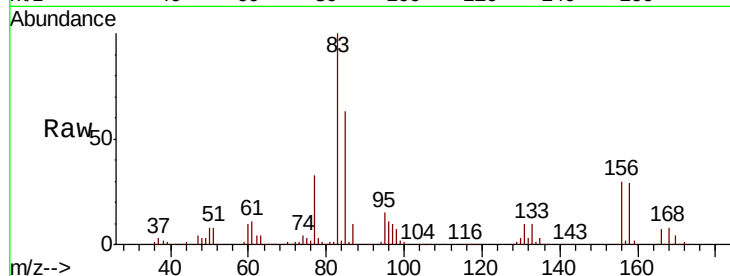
ClientSampleId :

VX0907WBS02

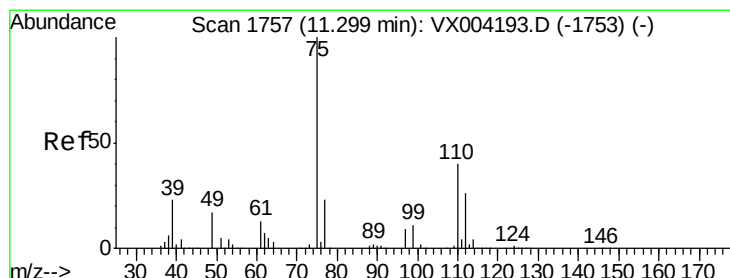
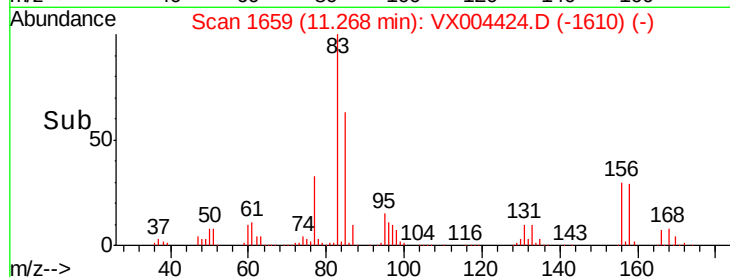
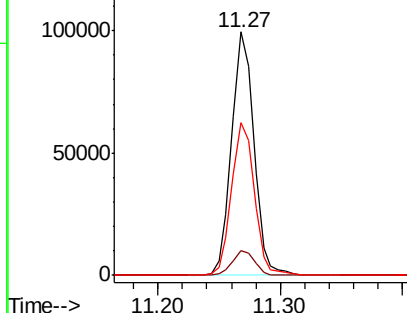
Tot Ion:	83	Resp:	125615
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.1	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.11 ug/l m

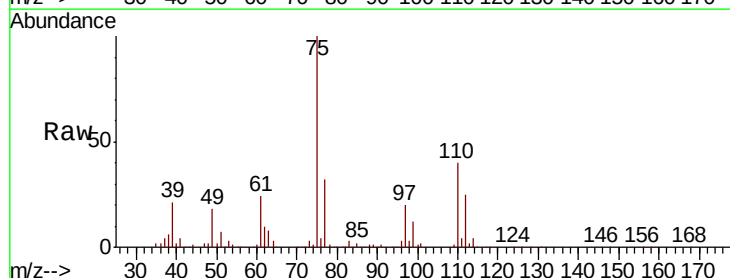
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

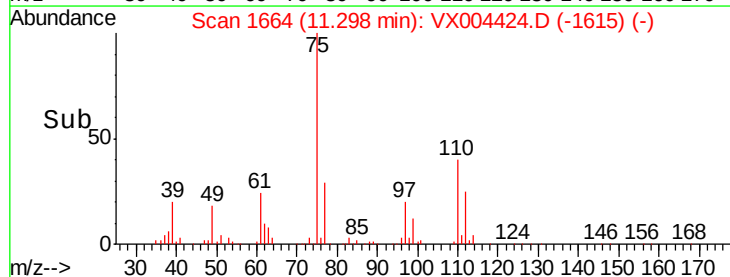
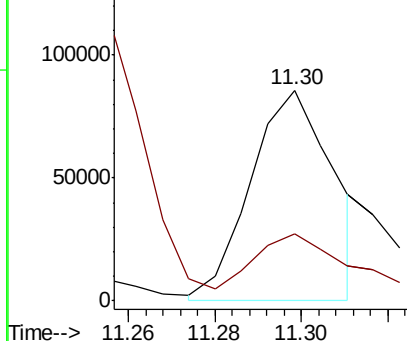
Lab File: VX004424.D

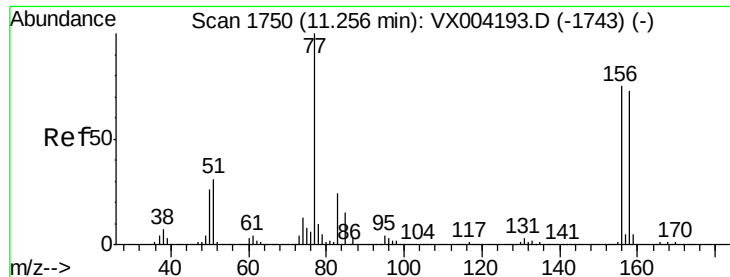
Acq: 07 Sep 2018 23:39

Tgt Ion:	75	Resp:	113477
Ion Ratio	Lower	Upper	
75	100		
77	38.8	20.2	60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.80 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

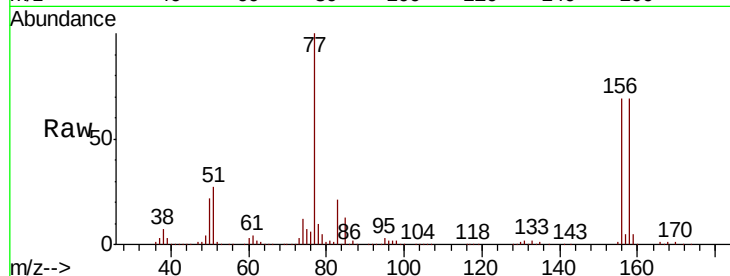
ClientSampleId :

VX0907WBS02

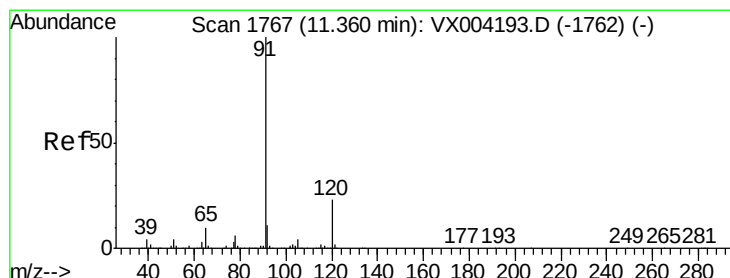
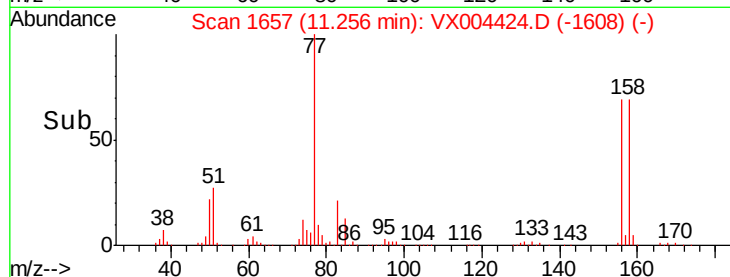
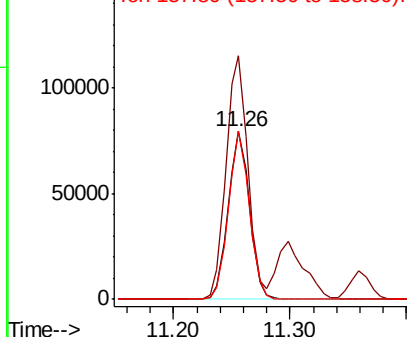
Tot Ion:	156	Resp:	101213
Ion Ratio	Lower	Upper	
156	100		
77	148.0	71.5	214.3
158	97.7	48.9	146.8

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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: 20.31 ug/l

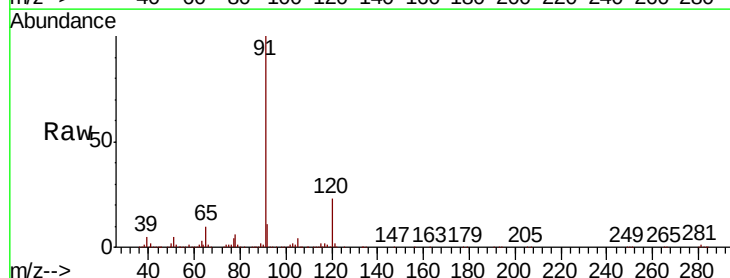
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

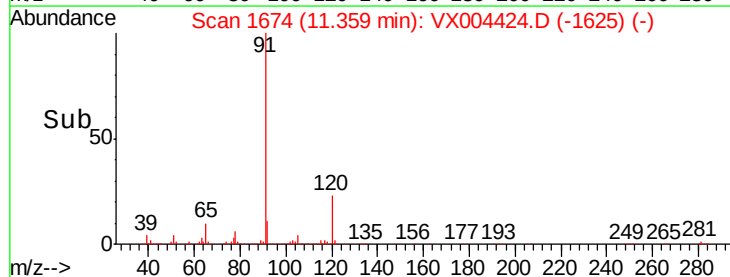
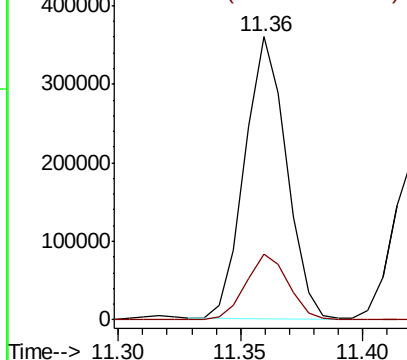
Lab File: VX004424.D

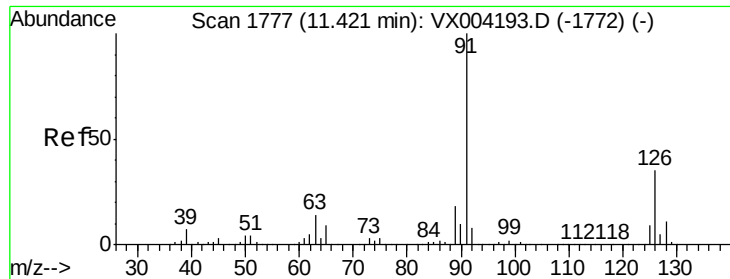
Acq: 07 Sep 2018 23:39

Tgt Ion:	91	Resp:	425769
Ion Ratio	Lower	Upper	
91	100		
120	23.6	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: 20.05 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

Tot Ion: 91 Resp: 258725

Ion Ratio Lower Upper

91 100

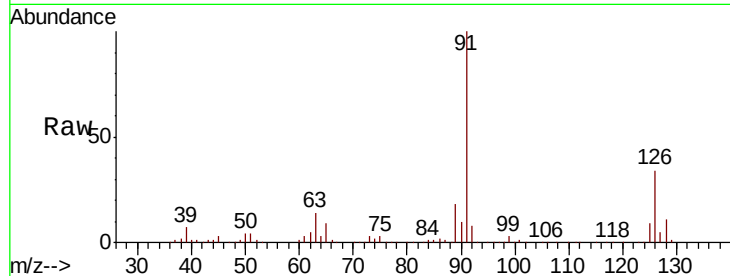
126 35.0 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX004193.D (-1772) (-)

400000

300000

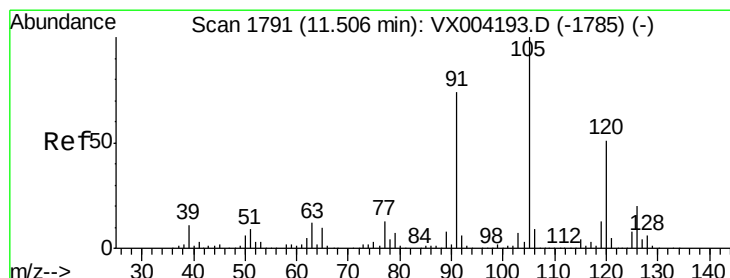
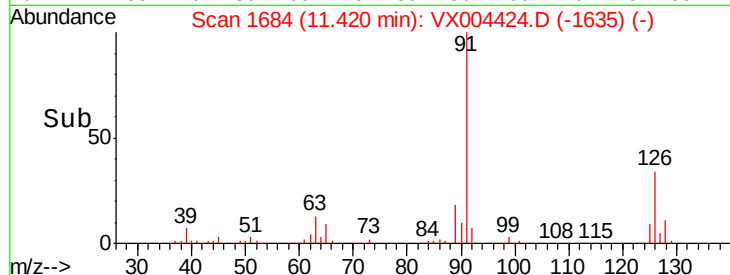
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.57 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004424.D

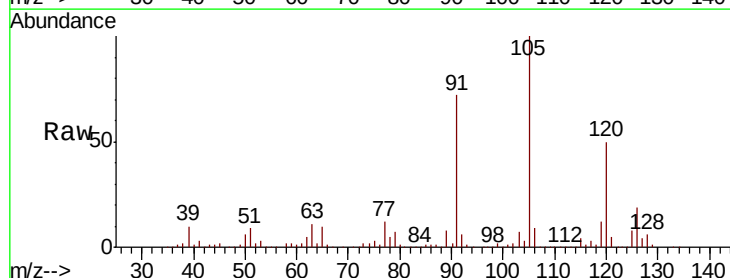
Acq: 07 Sep 2018 23:39

Tgt Ion: 105 Resp: 310523

Ion Ratio Lower Upper

105 100

120 50.8 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004193.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX004193.D (-1785) (-)

300000

250000

200000

150000

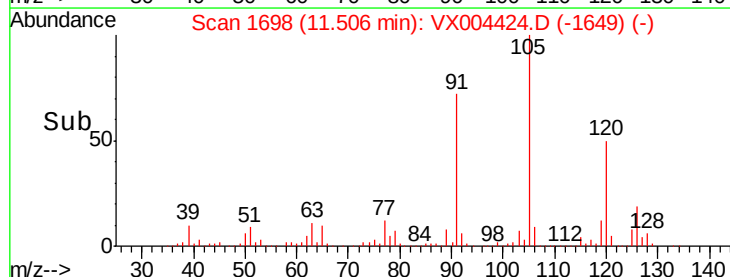
100000

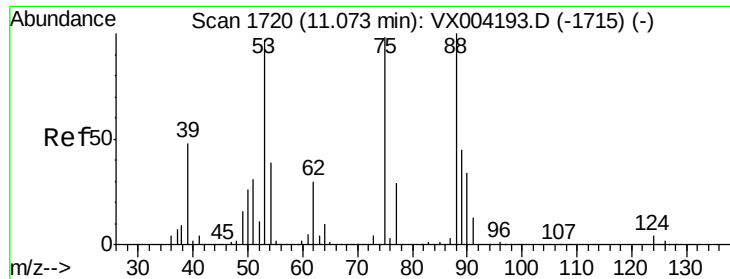
50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.94 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

Tot Ion: 75 Resp: 29469

Ion Ratio Lower Upper

75 100

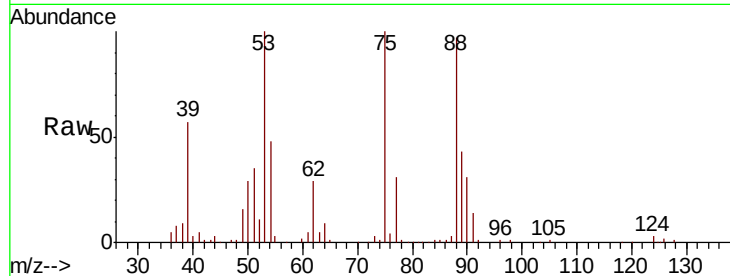
53 101.8 80.1 120.1

89 45.0 37.2 55.8

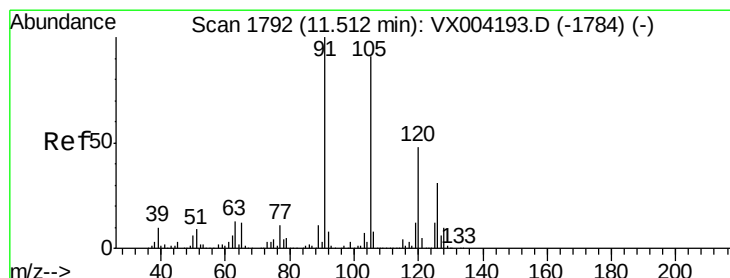
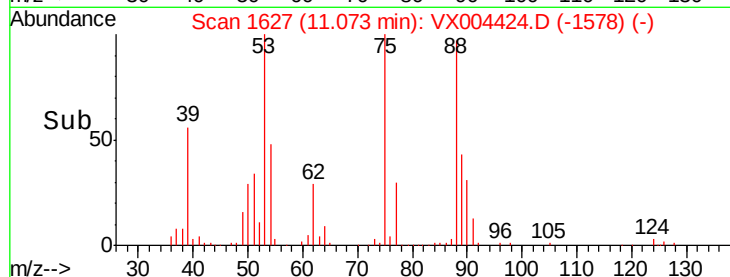
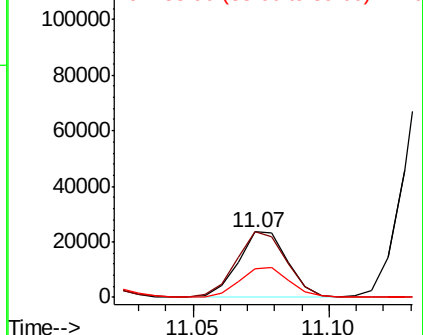
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.62 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004424.D

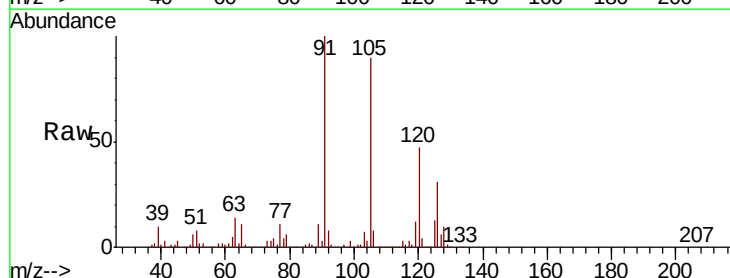
Acq: 07 Sep 2018 23:39

Tgt Ion: 91 Resp: 297844

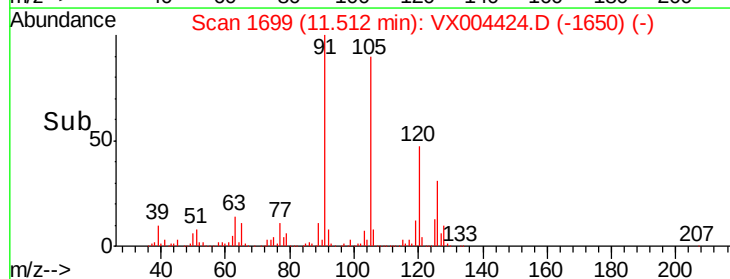
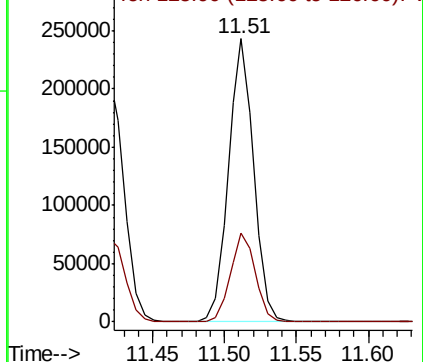
Ion Ratio Lower Upper

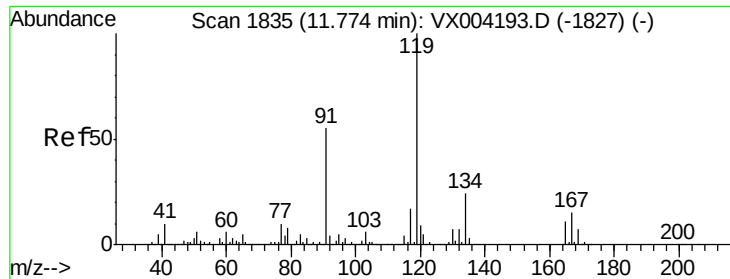
91 100

126 31.1 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





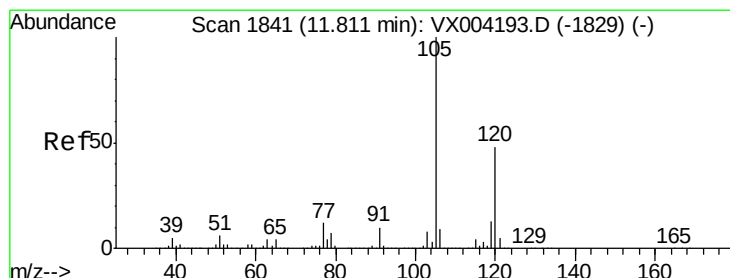
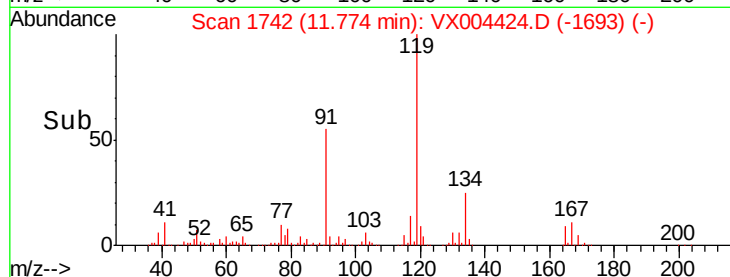
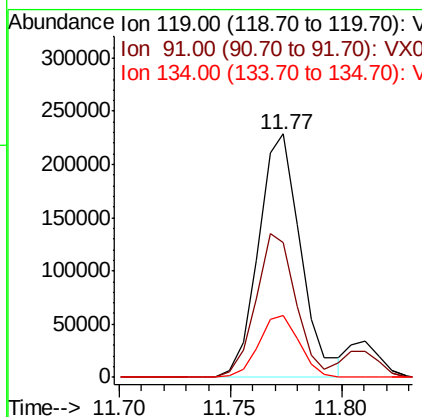
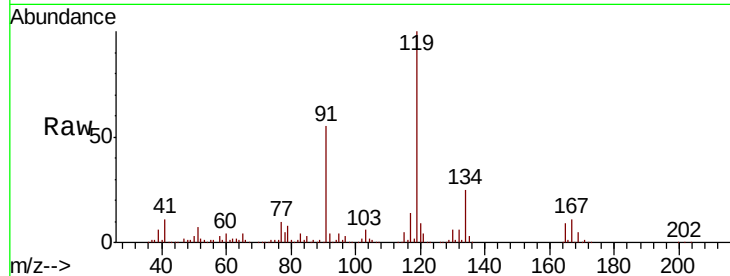
#83
 tert-Butylbenzene
 Concen: 19.86 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	301579		
91	55.9	27.0	81.0	
134	24.7	11.7	35.1	

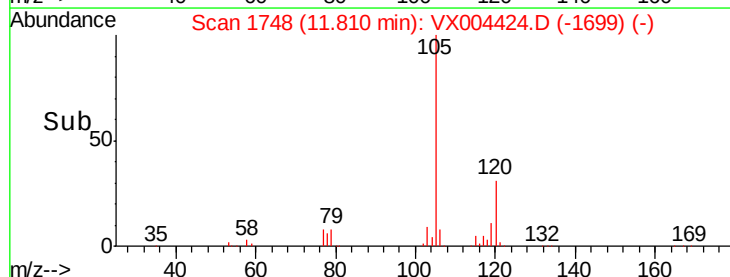
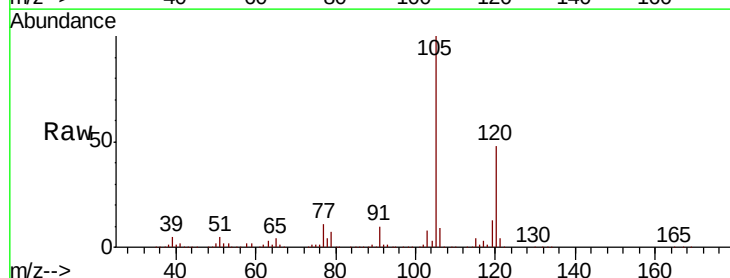
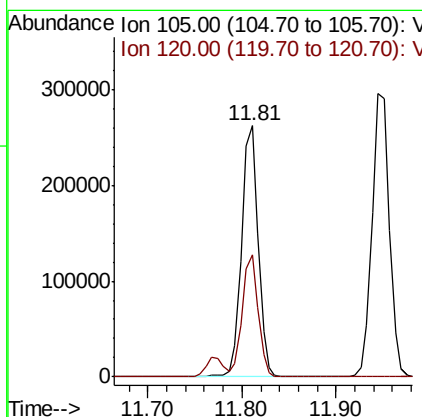
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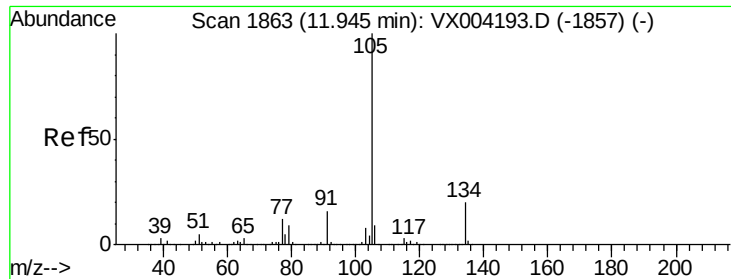
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.74 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	321386		
120	46.6	23.2	69.6	





#85

sec-Butylbenzene

Concen: 20.93 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampled :

VX0907WBS02

Tot Ion:105 Resp: 377301

Ion Ratio Lower Upper

105 100

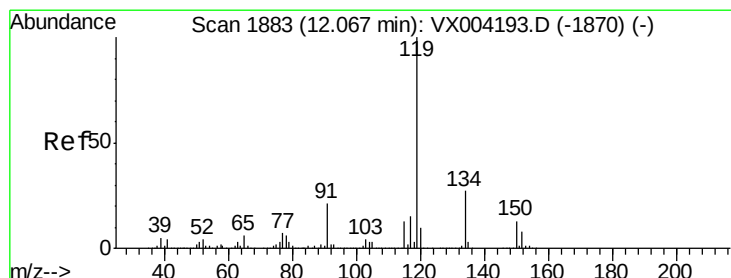
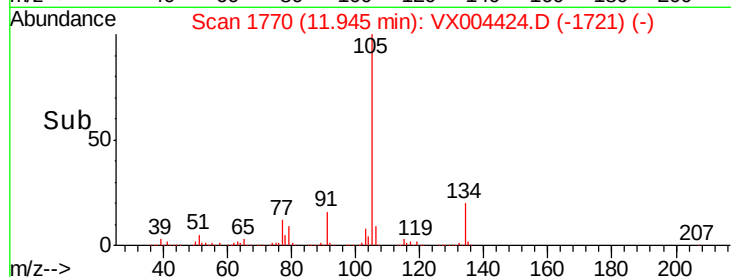
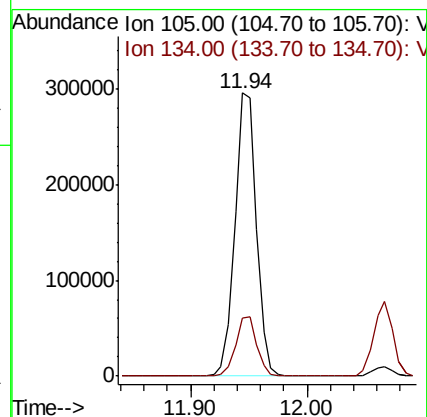
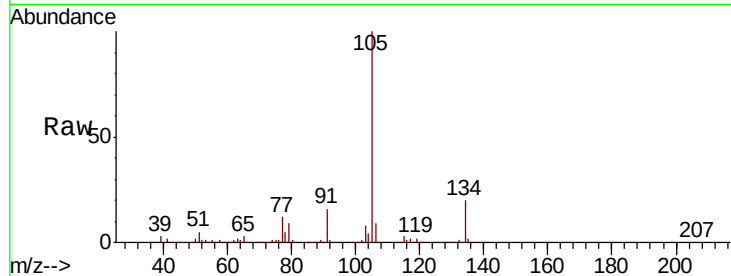
134 20.5 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 20.88 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

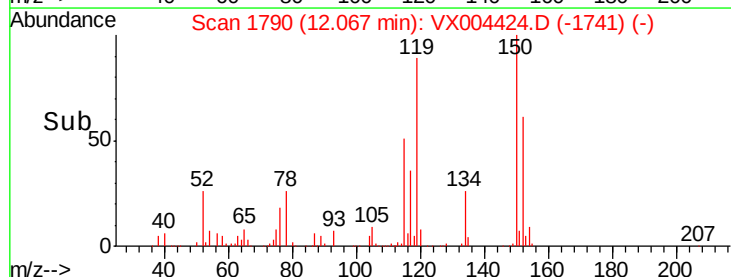
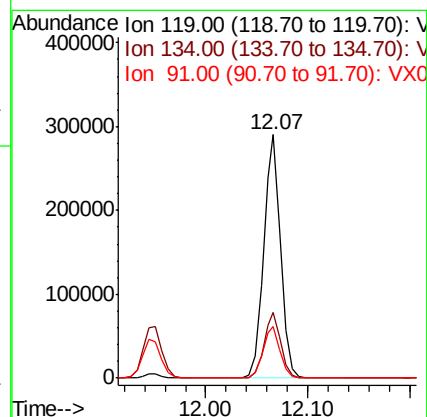
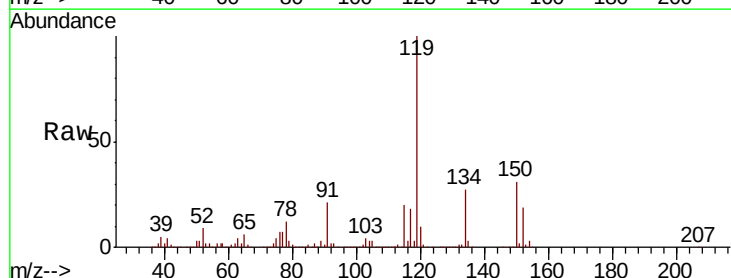
Tgt Ion:119 Resp: 337358

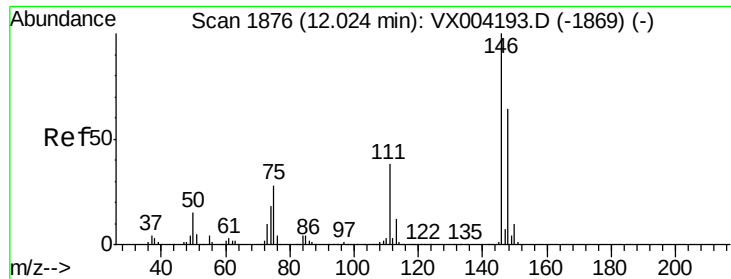
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 21.5 10.9 32.7





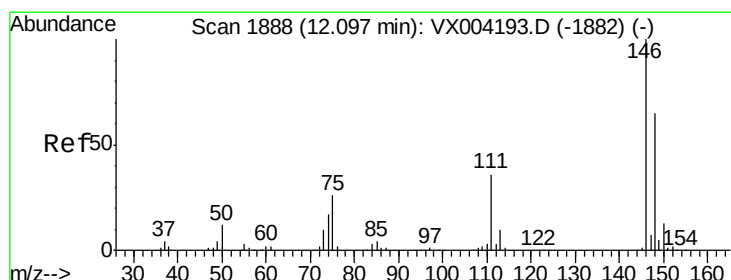
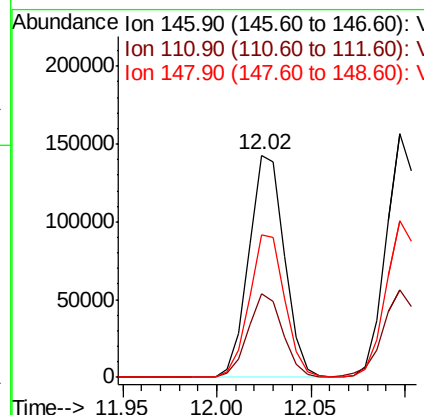
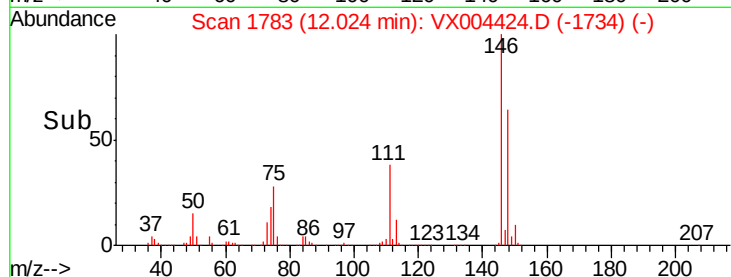
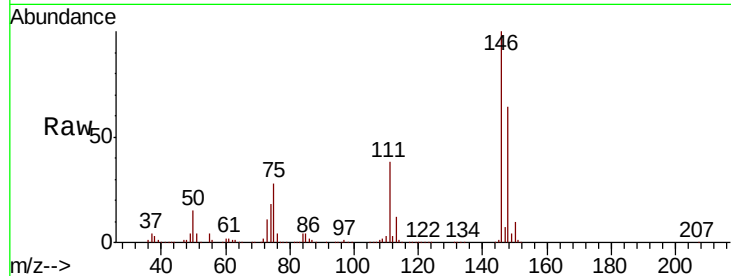
#87
 1,3-Dichlorobenzene
 Concen: 19.44 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.7	56.1
148	63.9	32.1	96.5

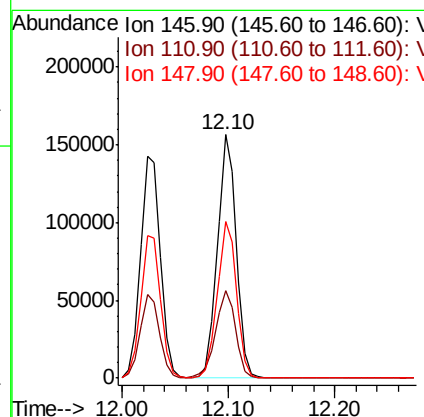
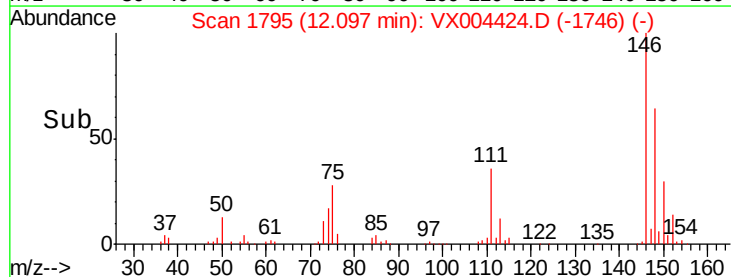
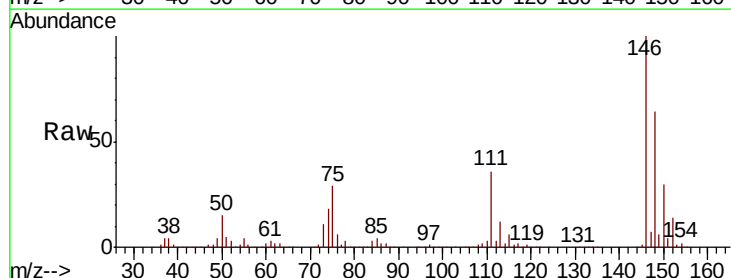
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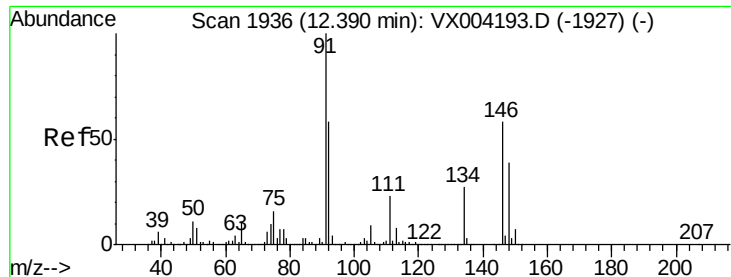
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#88
 1,4-Dichlorobenzene
 Concen: 18.66 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.1	54.1
148	65.5	32.0	96.0





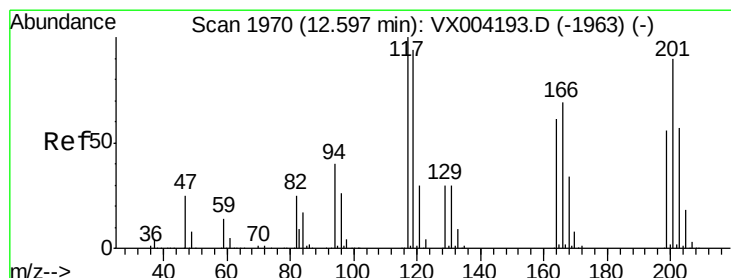
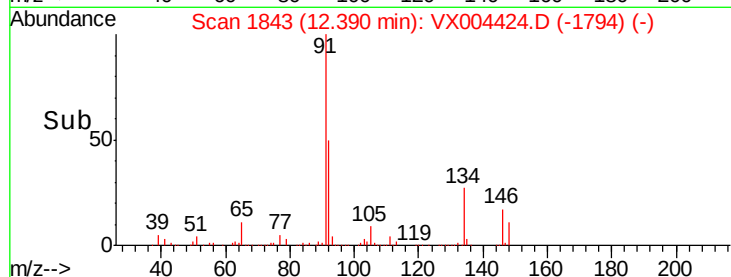
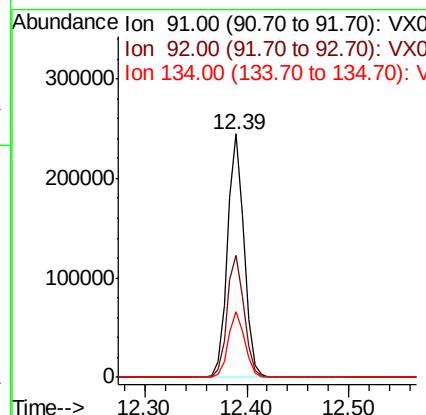
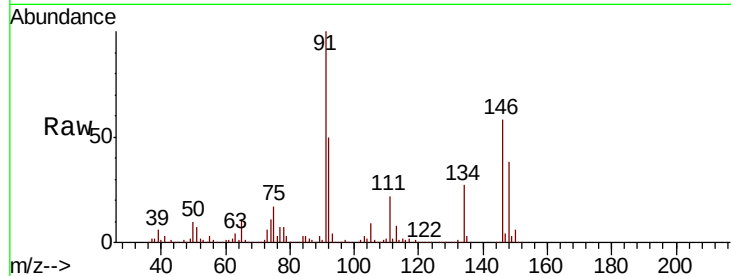
#89
n-Butylbenzene
Concen: 20.99 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.5	27.3	81.9	
134	26.9	13.6	40.7	

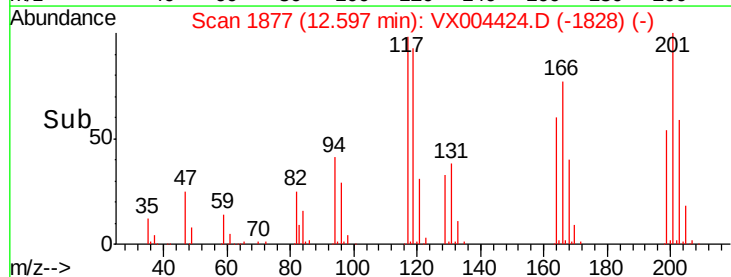
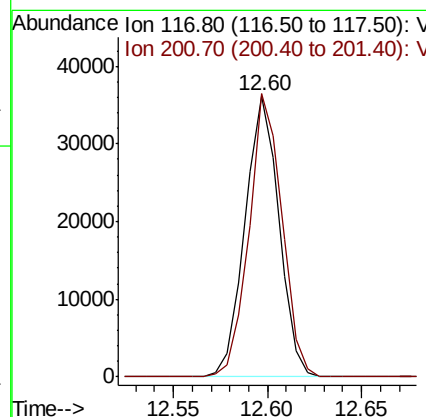
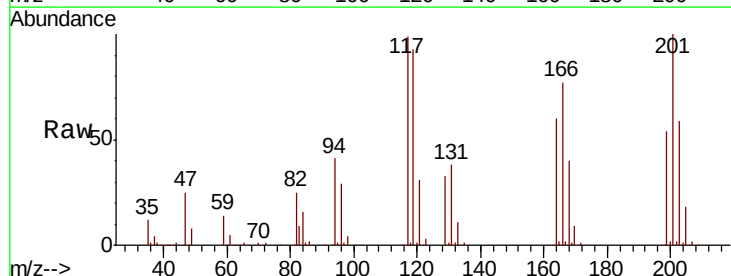
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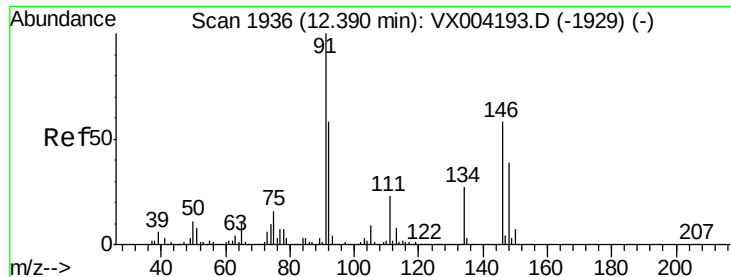
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#90
Hexachloroethane
Concen: 19.98 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	97.8	46.9	140.6	





#91

1,2-Dichlorobenzene

Concen: 20.89 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

Instrument :

MSVOA_X

ClientSampleId :

VX0907WBS02

Tot Ion:146 Resp: 183767

Ion Ratio Lower Upper

146 100

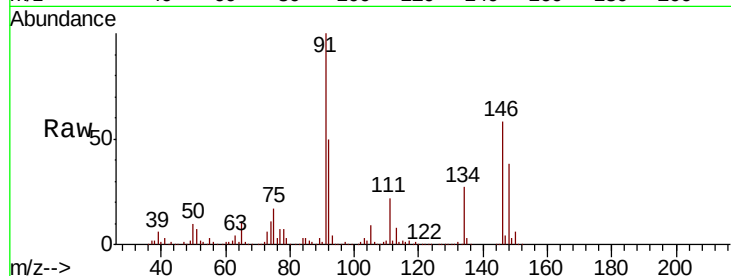
111 38.4 19.4 58.1

148 65.0 32.8 98.3

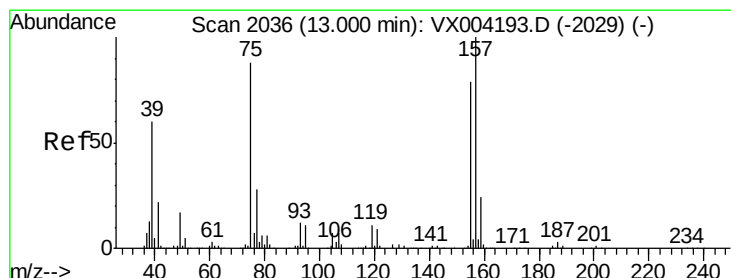
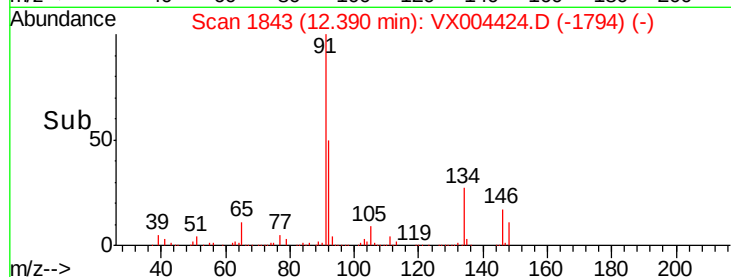
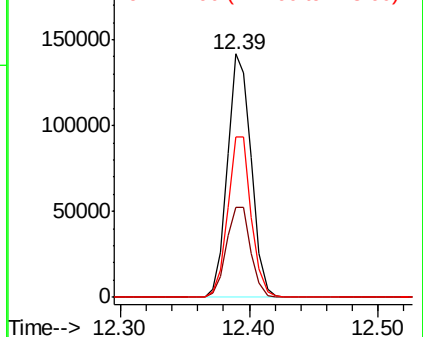
Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.54 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX004424.D

Acq: 07 Sep 2018 23:39

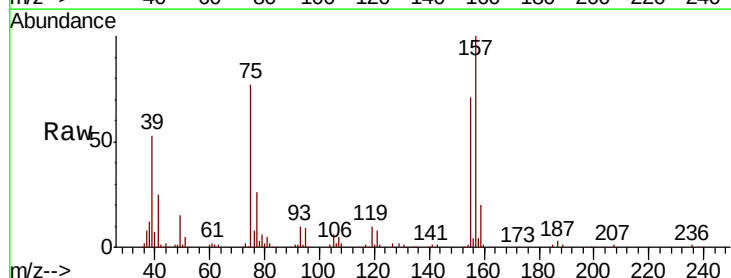
Tgt Ion: 75 Resp: 21949

Ion Ratio Lower Upper

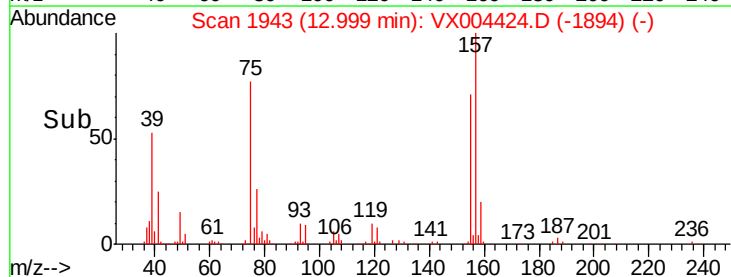
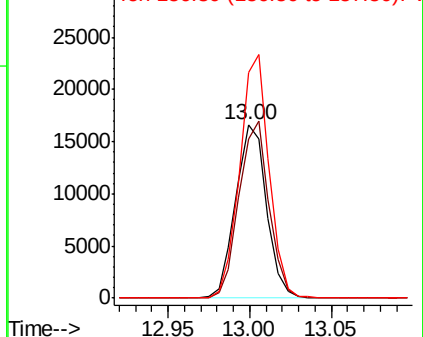
75 100

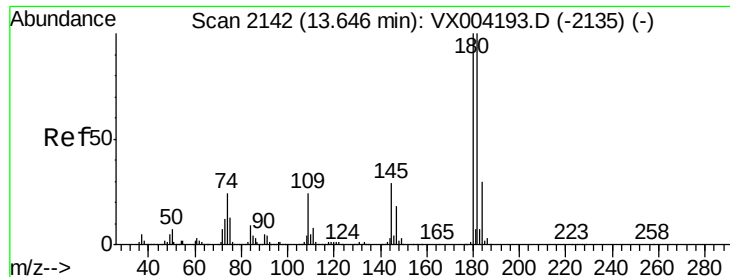
155 98.9 48.0 144.2

157 132.8 61.4 184.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





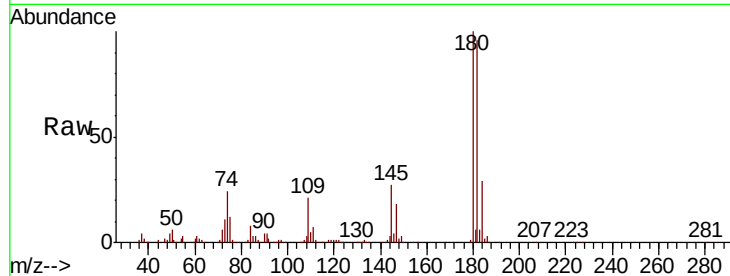
#93
 1,2,4-Trichlorobenzene
 Concen: 19.96 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907WBS02

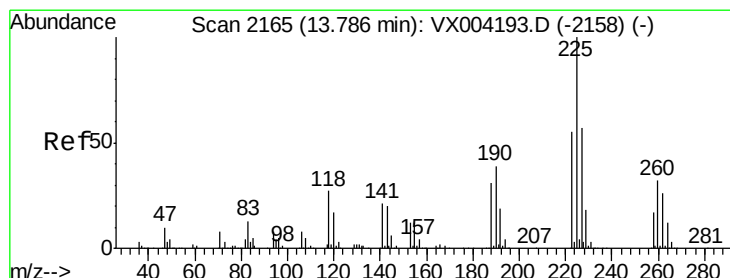
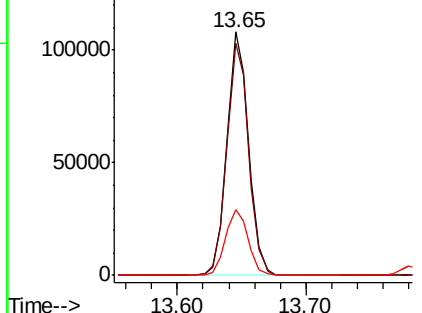
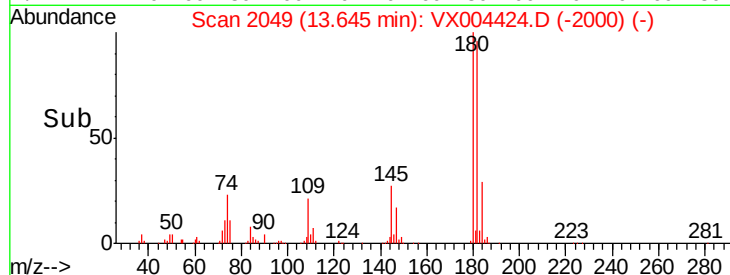
Tot Ion:	180	Resp:	127740
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.4	145.0
145	28.3	14.3	42.9

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:15:34 AM

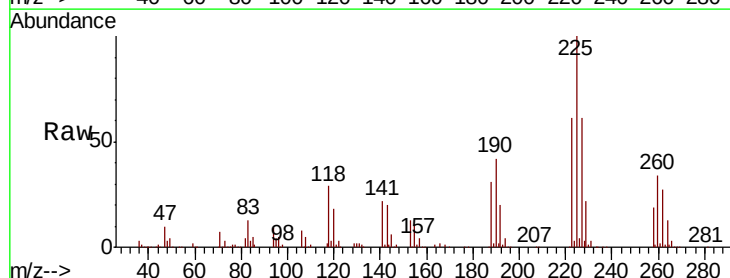


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

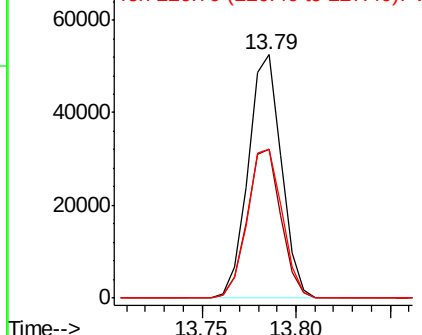
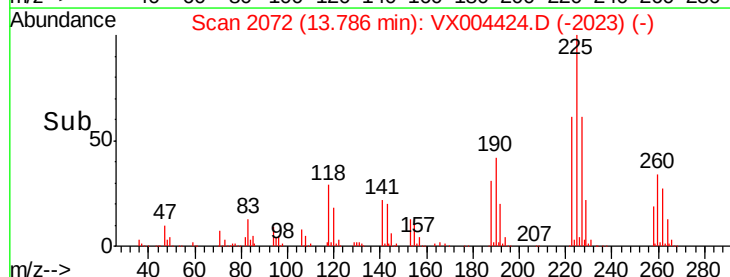


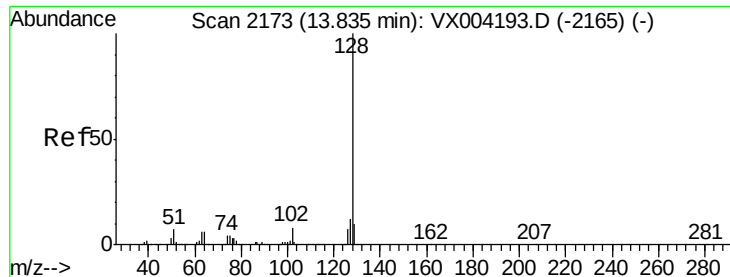
#94
 Hexachlorobutadiene
 Concen: 21.42 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004424.D
 Acq: 07 Sep 2018 23:39

Tgt Ion:	225	Resp:	64012
Ion Ratio	Lower	Upper	
225	100		
223	62.5	30.1	90.5
227	64.3	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





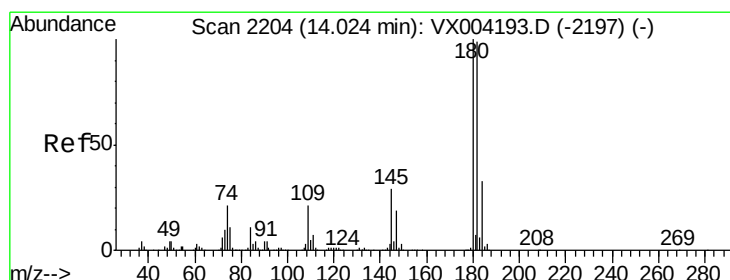
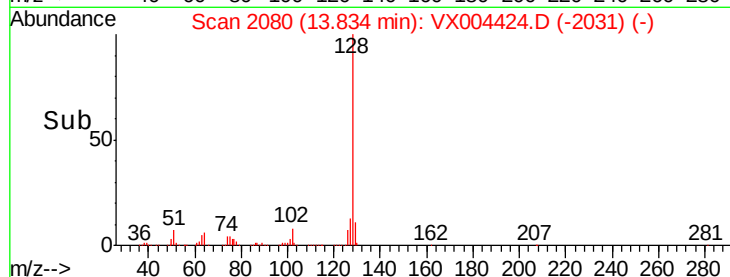
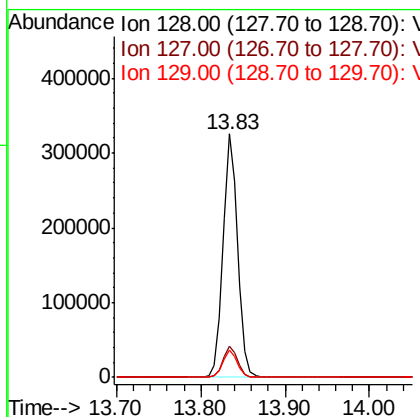
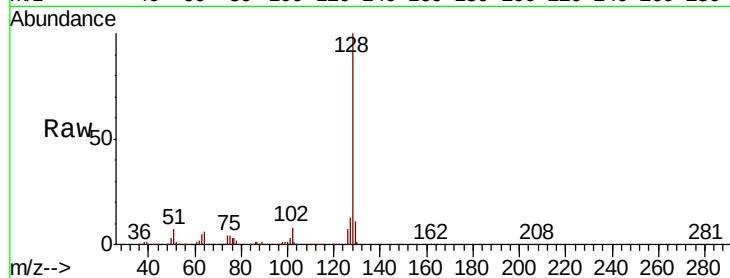
#95
Naphthalene
Concen: 21.58 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Instrument :
MSVOA_X
ClientSampleId :
VX0907WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	390593		
127	12.6		10.2	15.2
129	11.0		8.6	12.8

Manual Integrations
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9/10/2018 11:15:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.81 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004424.D
Acq: 07 Sep 2018 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	140985		
182	94.5		48.5	145.6
145	28.9		14.9	44.9

