

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102918\
 Data File : VX005679.D
 Acq On : 30 Oct 2018 00:30
 Operator : JC/MD
 Sample : VX1029WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/30/2018 11:11:29 AM

Quant Time: Oct 30 05:04:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	248346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	360664	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	322275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	213002	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	138897	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
35) Dibromofluoromethane	5.49	113	116887	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
50) Toluene-d8	8.71	98	413665	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
62) 4-Bromofluorobenzene	11.14	95	153062	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	60230	24.571	ug/l	90
3) Chloromethane	1.33	50	62265	19.946	ug/l	98
4) Vinyl Chloride	1.41	62	64693	21.076	ug/l	91
5) Bromomethane	1.64	94	34003	17.803	ug/l	96
6) Chloroethane	1.72	64	38056	19.407	ug/l	94
7) Trichlorofluoromethane	1.93	101	80632	18.905	ug/l	96
8) Diethyl Ether	2.19	74	33750	19.828	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	45889	18.752	ug/l	98
10) Methyl Iodide	2.51	142	46485	19.922	ug/l	97
11) Tert butyl alcohol	3.06	59	83721	102.627	ug/l	100
12) 1,1-Dichloroethene	2.37	96	44122	18.927	ug/l	95
13) Acrolein	2.29	56	36908	88.692	ug/l	99
14) Allyl chloride	2.73	41	94976	18.255	ug/l	96
15) Acrylonitrile	3.15	53	174273	95.268	ug/l	99
16) Acetone	2.45	43	156742	97.847	ug/l	98
17) Carbon Disulfide	2.57	76	130340	18.341	ug/l	98
18) Methyl Acetate	2.78	43	82758	20.037	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	162439	19.534	ug/l	99
20) Methylene Chloride	2.86	84	50386	18.780	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	47406	18.625	ug/l	99
22) Diisopropyl ether	3.87	45	177355	19.520	ug/l	98
23) Vinyl Acetate	3.82	43	750426	93.782	ug/l #	94
24) 1,1-Dichloroethane	3.70	63	94106	19.051	ug/l	99
25) 2-Butanone	4.70	43	241383	98.953	ug/l	96
26) 2,2-Dichloropropane	4.59	77	58283	15.283	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	53710	19.573	ug/l	99
28) Bromochloromethane	5.01	49	46873	19.619	ug/l	99
29) Tetrahydrofuran	5.15	42	154102	97.072	ug/l	99
30) Chloroform	5.21	83	86875	18.802	ug/l	92
31) Cyclohexane	5.58	56	79584	19.472	ug/l	85
32) 1,1,1-Trichloroethane	5.49	97	73788	18.093	ug/l	99
36) 1,1-Dichloropropene	5.80	75	66494	18.998	ug/l	98
37) Ethyl Acetate	4.85	43	87944	19.690	ug/l	99
38) Carbon Tetrachloride	5.78	117	65154	17.674	ug/l	98

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Manual Integrations
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 10/30/2018 11:11:29 AM

Quant Time: Oct 30 05:04:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	69994	18.110	ug/l	98
40) Benzene	6.14	78	201705	20.103	ug/l	100
41) Methacrylonitrile	5.06	41	49196	19.774	ug/l	98
42) 1,2-Dichloroethane	6.20	62	75454	19.796	ug/l	99
43) Isopropyl Acetate	6.47	43	130949	19.565	ug/l	99
44) Trichloroethene	7.21	130	51218	18.738	ug/l	98
45) 1,2-Dichloropropane	7.52	63	49053	18.185	ug/l	99
46) Dibromomethane	7.66	93	31952	18.340	ug/l	97
47) Bromodichloromethane	7.90	83	62682	18.537	ug/l	99
48) Methyl methacrylate	7.77	41	62999	19.322	ug/l	98
49) 1,4-Dioxane	7.75	88	28699	402.769	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	429230	95.425	ug/l	99
52) Toluene	8.79	92	115495	18.940	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	65322	17.874	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	71944	18.285	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	48441	18.842	ug/l	97
56) Ethyl methacrylate	9.18	69	73020	19.042	ug/l	98
57) 1,3-Dichloropropane	9.37	76	80333	18.467	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	204247	95.367	ug/l	99
59) 2-Hexanone	9.49	43	334181	94.228	ug/l	99
60) Dibromochloromethane	9.58	129	49998	18.640	ug/l	99
61) 1,2-Dibromoethane	9.67	107	50709	19.066	ug/l	100
64) Tetrachloroethene	9.33	164	52726	19.708	ug/l	98
65) Chlorobenzene	10.14	112	130349	18.994	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	47216	18.869	ug/l	99
67) Ethyl Benzene	10.25	91	219687	19.457	ug/l	99
68) m/p-Xylenes	10.36	106	168737	38.519	ug/l	99
69) o-Xylene	10.70	106	80698	19.581	ug/l	100
70) Styrene	10.71	104	135321	19.614	ug/l	100
71) Bromoform	10.86	173	39829	17.837	ug/l #	99
73) Isopropylbenzene	11.02	105	225102	17.288	ug/l	99
74) N-amyl acetate	10.90	43	104874	16.255	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	81762	17.021	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	64217m	14.229	ug/l	
77) Bromobenzene	11.26	156	61694	17.002	ug/l	98
78) n-propylbenzene	11.36	91	259307	17.417	ug/l	100
79) 2-Chlorotoluene	11.42	91	155013	16.792	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	188788	16.949	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	21472	15.546	ug/l	96
82) 4-Chlorotoluene	11.51	91	182820	16.795	ug/l	100
83) tert-Butylbenzene	11.77	119	209449	18.865	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	221431	19.615	ug/l	99
85) sec-Butylbenzene	11.94	105	262229	19.793	ug/l	100
86) p-Isopropyltoluene	12.07	119	236783	19.993	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	137664	20.175	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	137713	19.334	ug/l	98
89) n-Butylbenzene	12.39	91	208654	19.515	ug/l	98
90) Hexachloroethane	12.60	117	36447	17.843	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	136423	19.761	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20468	17.622	ug/l	93

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ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD02

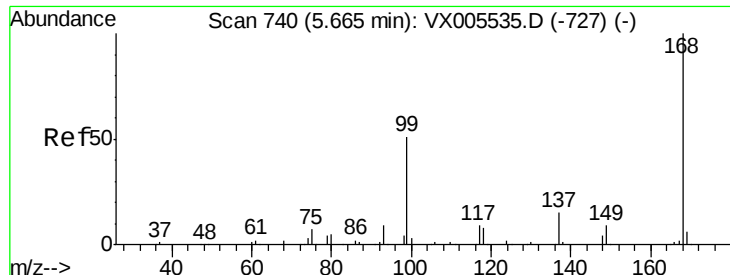
Manual Integrations
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Quant Time: Oct 30 05:04:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	102561	20.494	ug/l	100
94) Hexachlorobutadiene	13.79	225	50114	19.323	ug/l	98
95) Naphthalene	13.83	128	315908	21.717	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	105068	20.711	ug/l	98

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



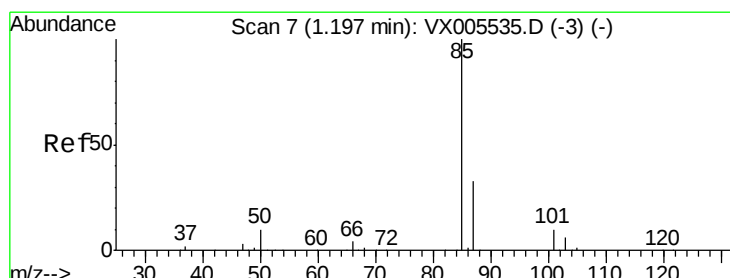
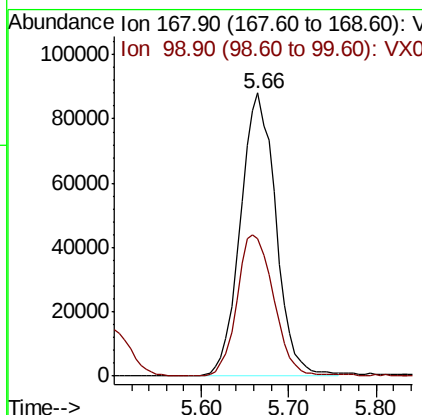
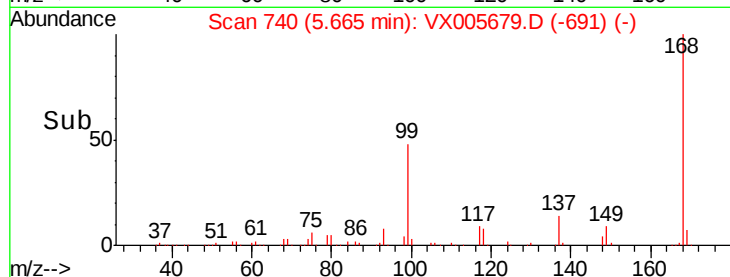
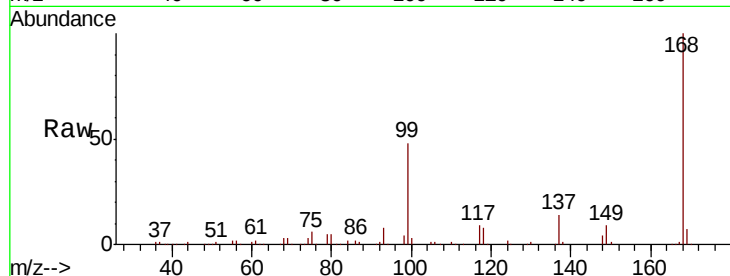
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD02

Tot Ion:168 Resp: 248346
Ion Ratio Lower Upper
168 100
99 48.3 40.7 61.1

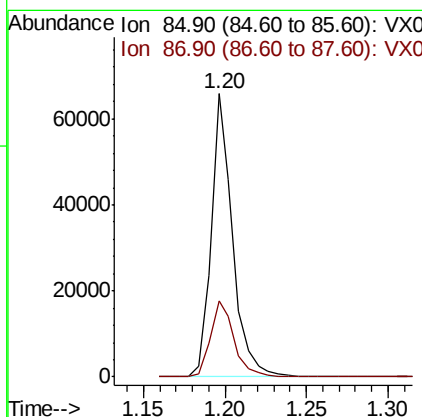
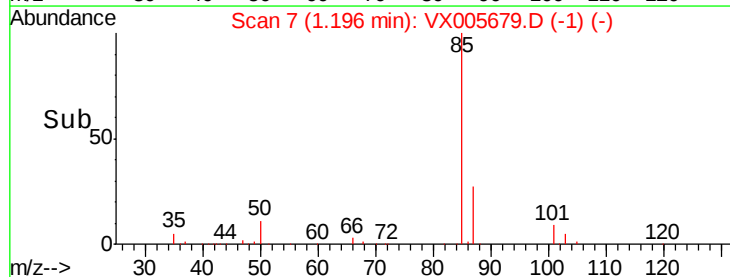
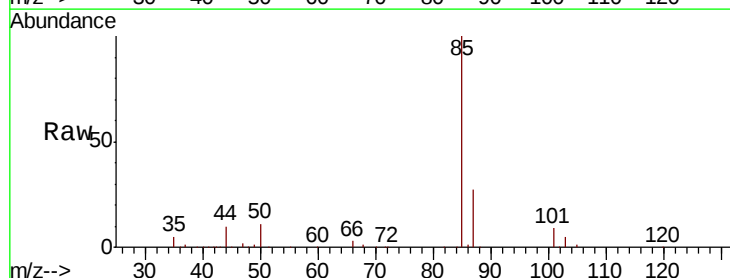
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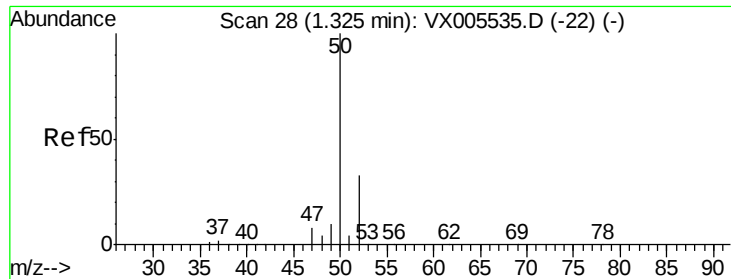
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#2
Dichlorodifluoromethane
Concen: 24.571 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Tgt Ion: 85 Resp: 60230
Ion Ratio Lower Upper
85 100
87 27.0 16.3 48.9





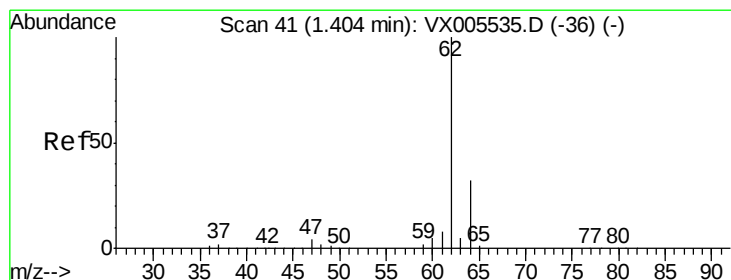
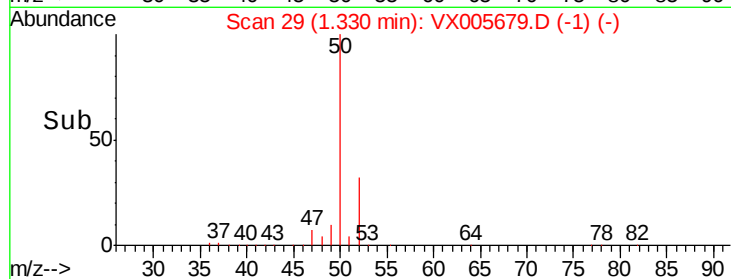
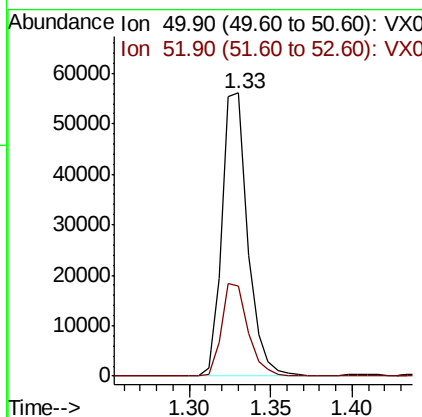
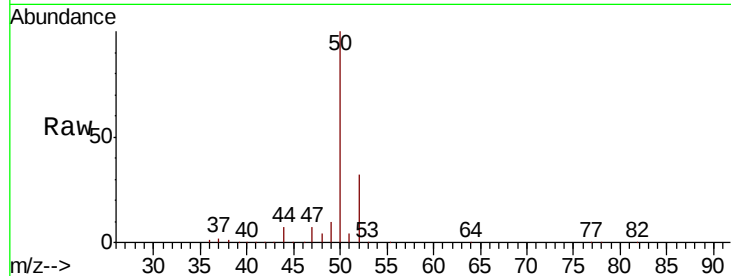
#3
Chloromethane
Concen: 19.946 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD02

Tot Ion: 50 Resp: 62265
Ion Ratio Lower Upper
50 100
52 31.6 26.2 39.2

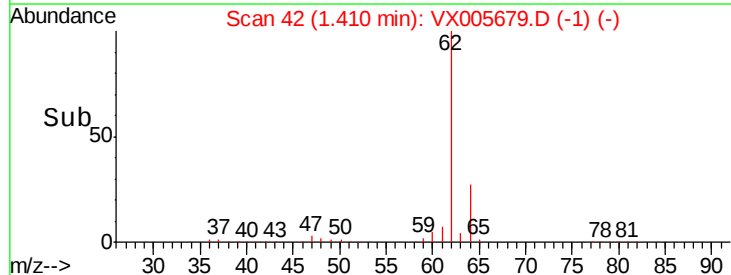
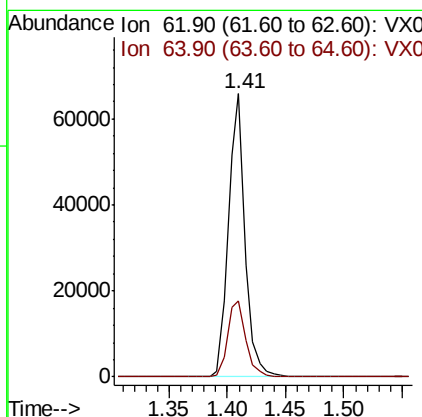
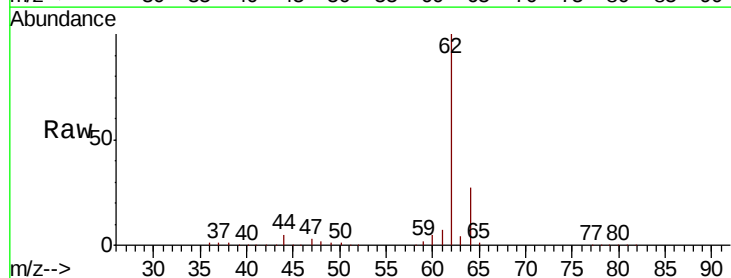
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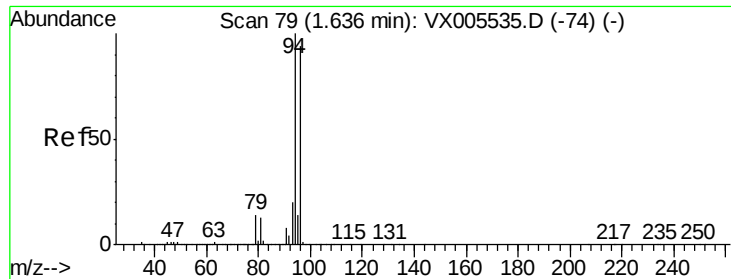
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#4
Vinyl Chloride
Concen: 21.076 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.01 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Tgt Ion: 62 Resp: 64693
Ion Ratio Lower Upper
62 100
64 26.6 25.3 37.9





#5

Bromomethane

Concen: 17.803 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD02

Tot Ion: 94 Resp: 34003

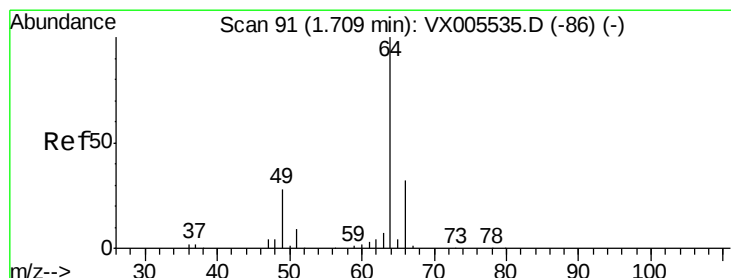
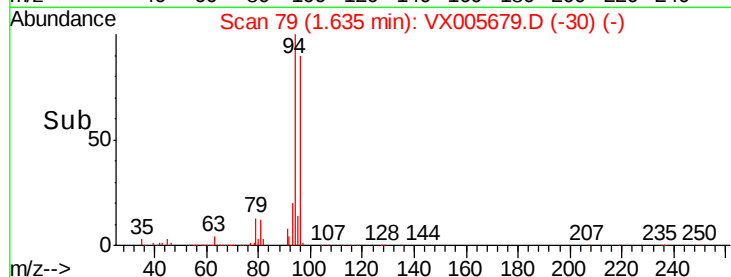
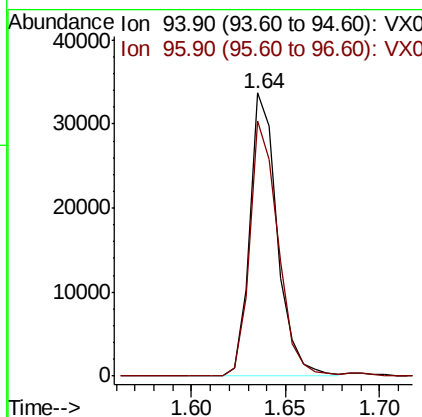
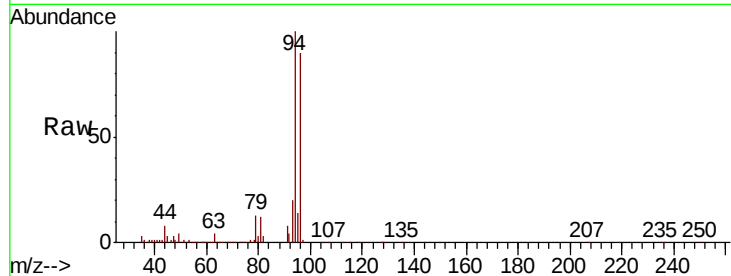
Ion Ratio Lower Upper

94 100

96 90.2 75.2 112.8

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#6

Chloroethane

Concen: 19.407 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005679.D

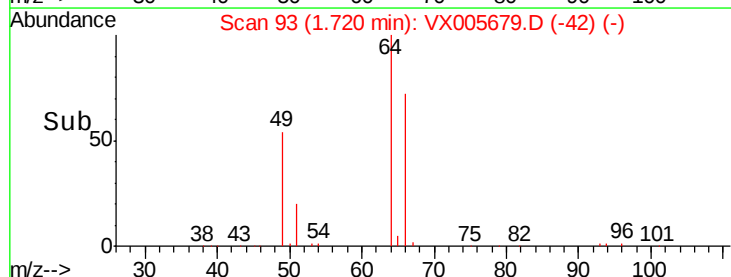
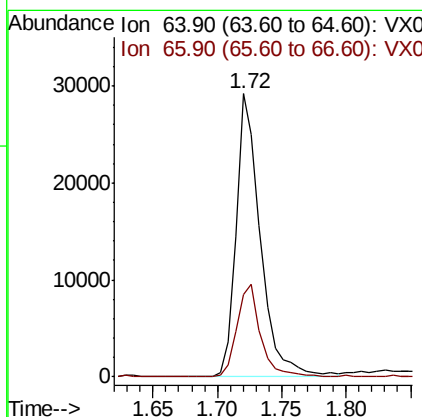
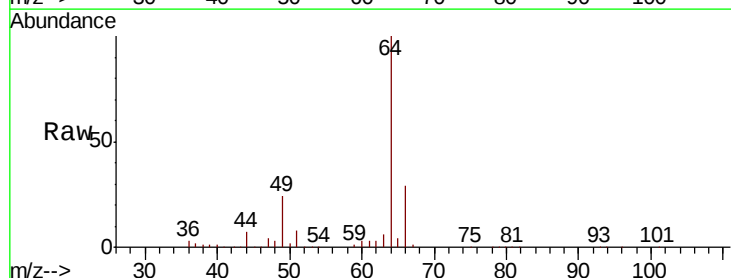
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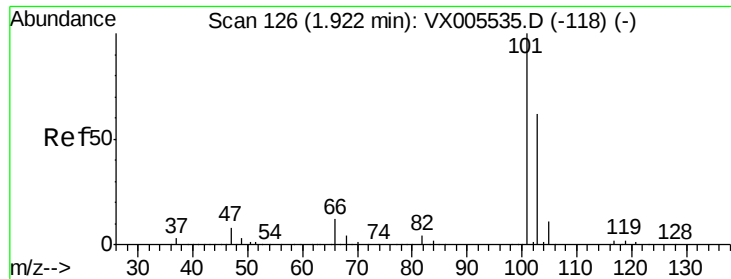
Tgt Ion: 64 Resp: 38056

Ion Ratio Lower Upper

64 100

66 29.0 25.8 38.6





#7

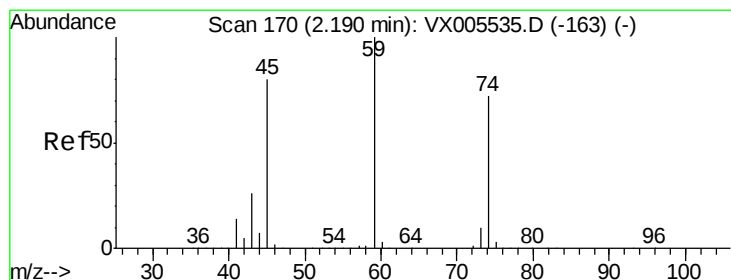
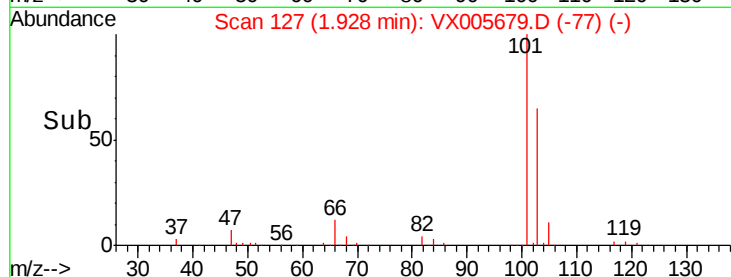
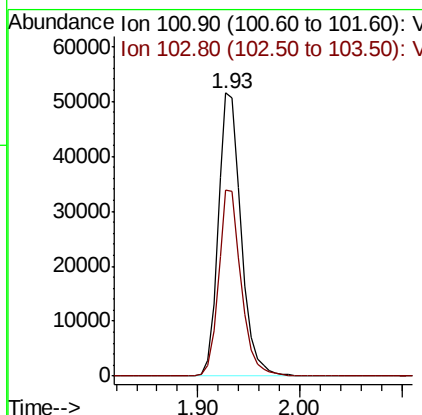
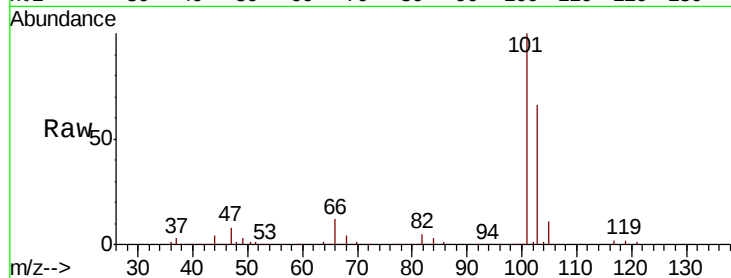
Trichlorofluoromethane
Concen: 18.905 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Instrument :
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ClientSampleId :
VX1029WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.0	75.0

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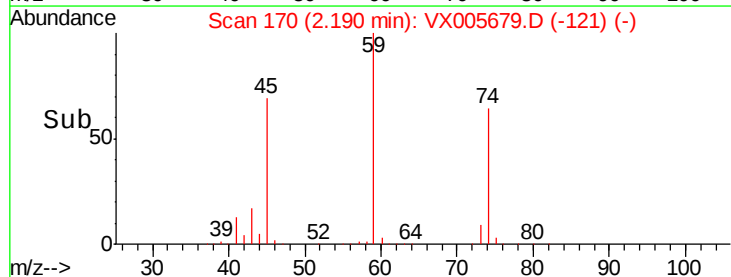
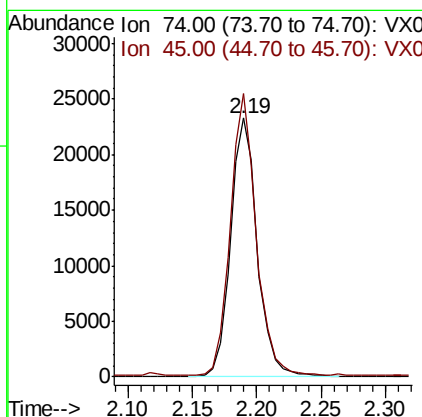
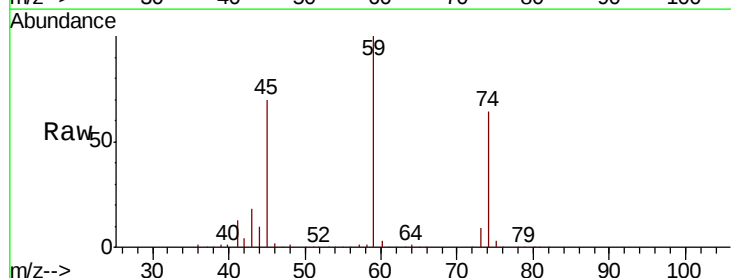
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#8

Diethyl Ether
Concen: 19.828 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.3	54.1	162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.752 ug/l

RT: 2.38 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

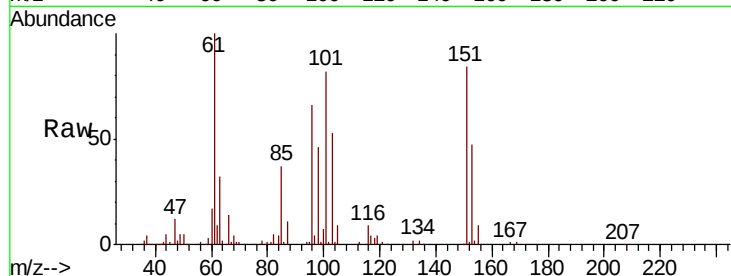
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VX1029WBSD02

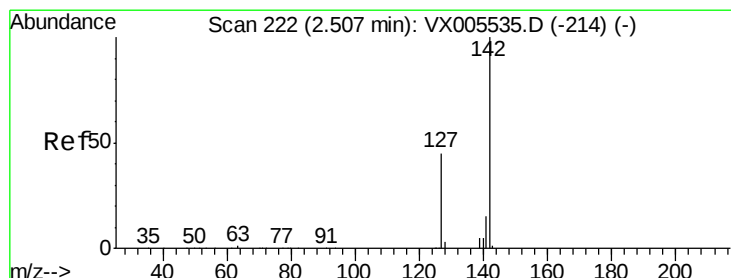
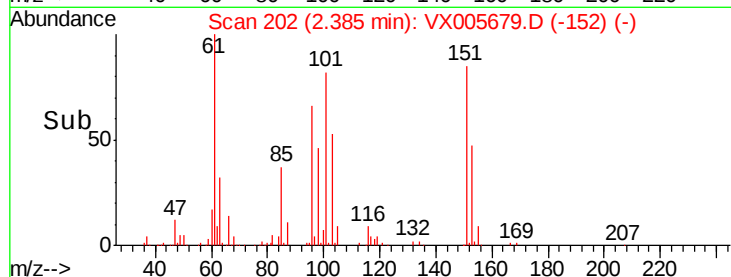
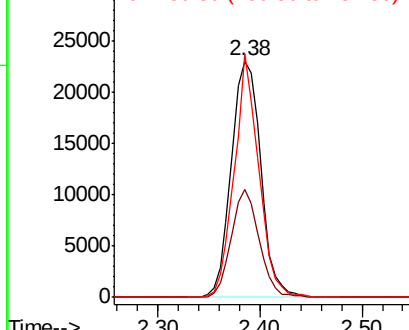
Tot Ion:	101	Resp:	45889
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.0	52.4
151	85.5	66.2	99.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.922 ug/l

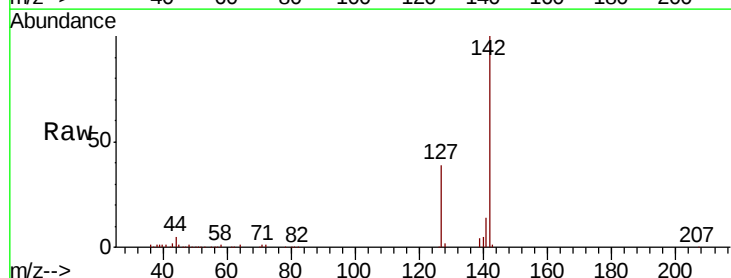
RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

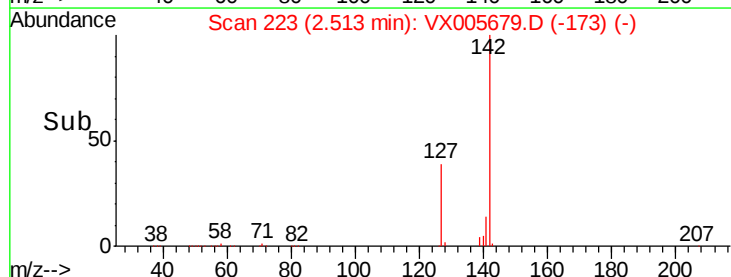
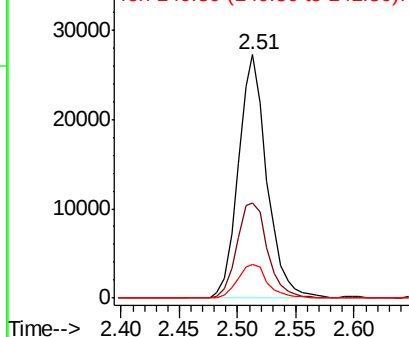
Lab File: VX005679.D

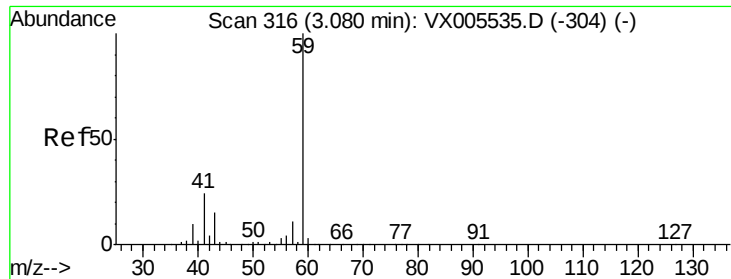
Acq: 30 Oct 2018 00:30

Tgt Ion:	142	Resp:	46485
Ion Ratio	Lower	Upper	
142	100		
127	42.6	36.0	54.0
141	14.6	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





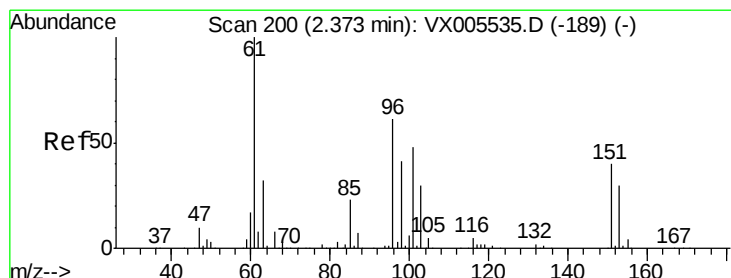
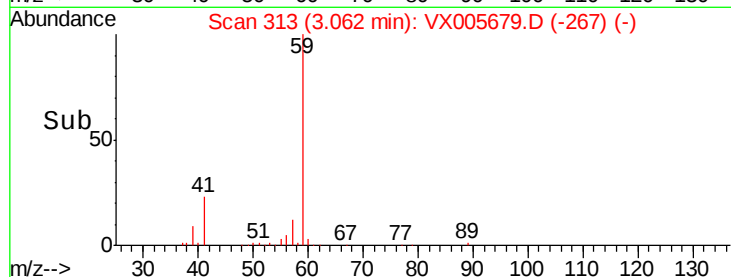
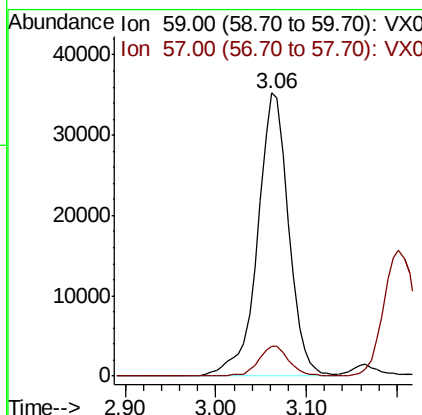
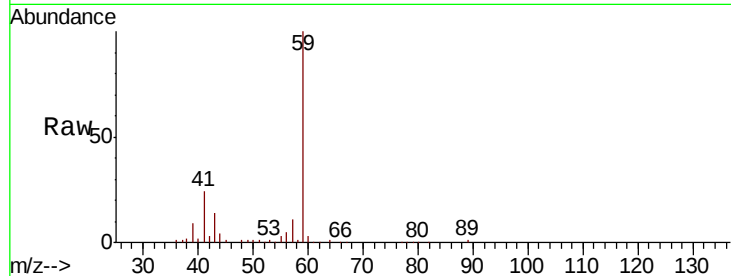
#11
Tert butyl alcohol
Concen: 102.627 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD02

Tot Ion: 59 Resp: 83721
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7

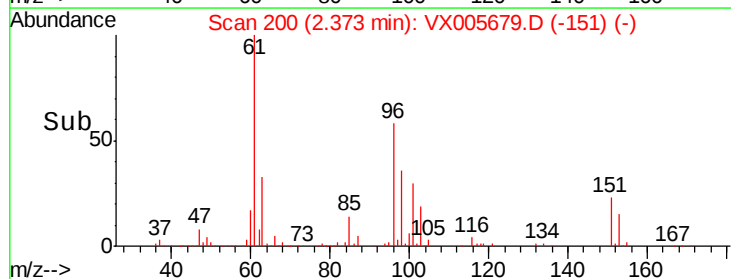
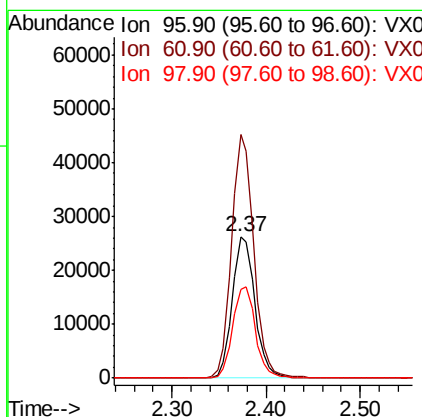
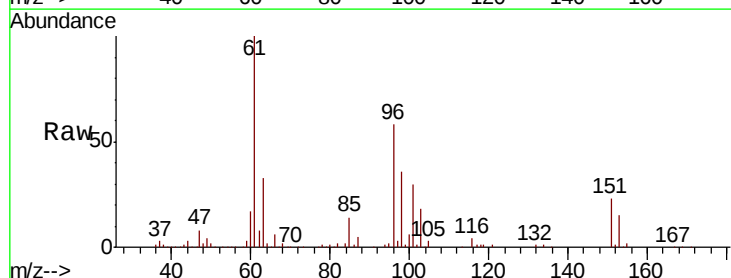
Manual Integrations
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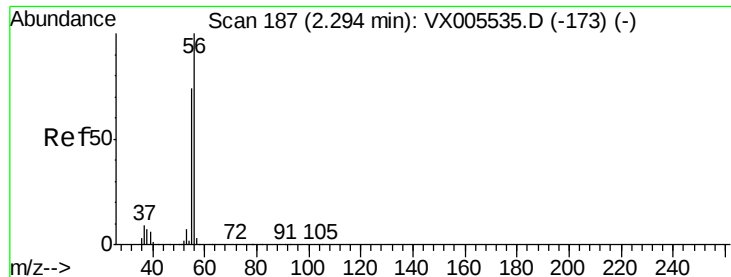
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.927 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Tgt Ion: 96 Resp: 44122
Ion Ratio Lower Upper
96 100
61 172.3 131.8 197.8
98 62.7 53.4 80.2





#13

Acrolein

Concen: 88.692 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD02

Tot Ion: 56 Resp: 36908

Ion Ratio Lower Upper

56 100

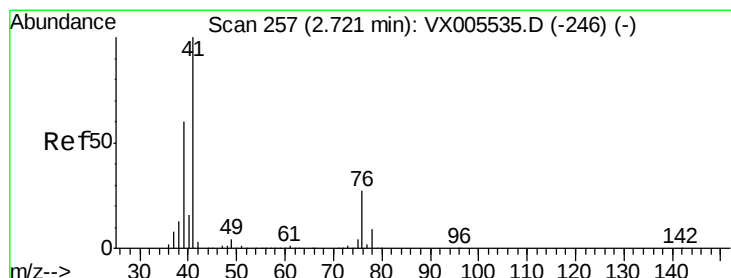
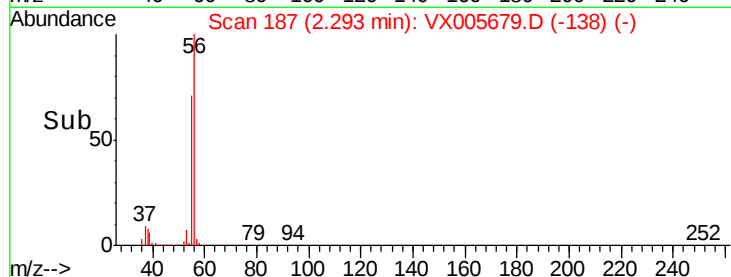
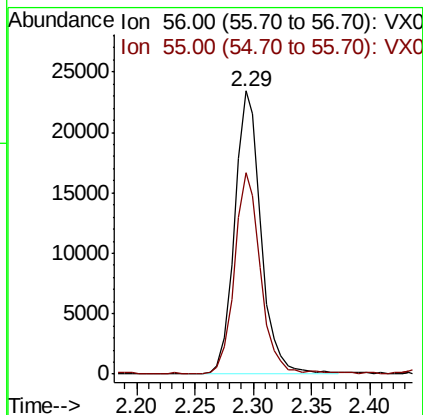
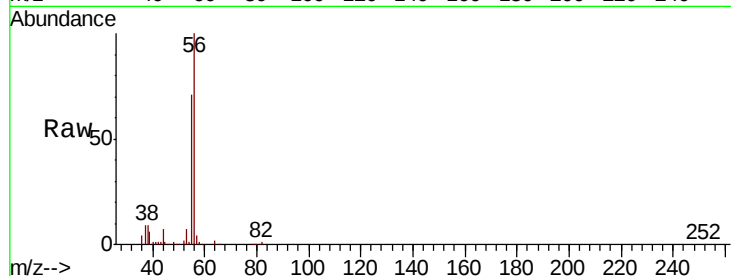
55 71.1 57.3 85.9

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#14

Allyl chloride

Concen: 18.255 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

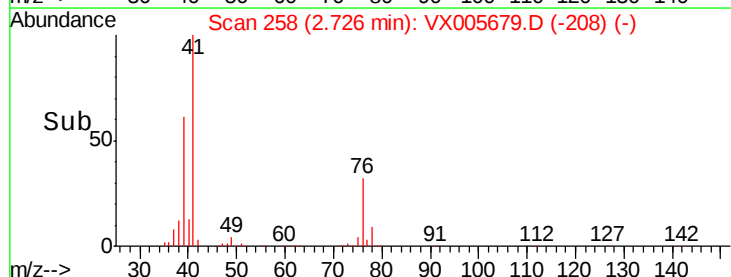
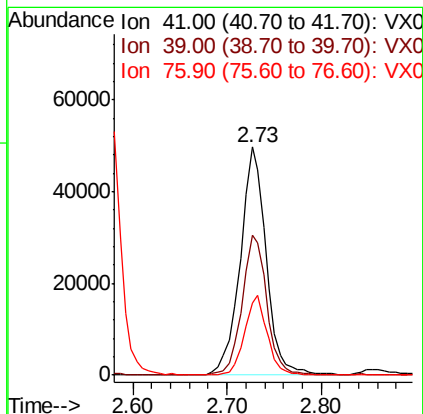
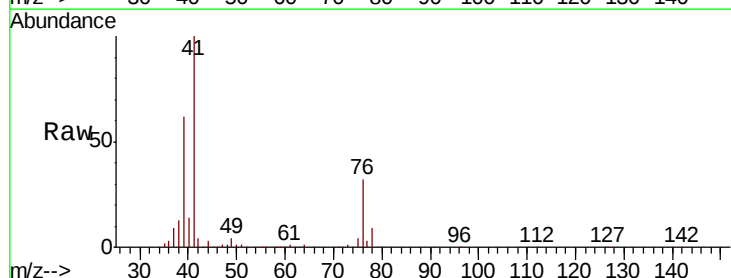
Tgt Ion: 41 Resp: 94976

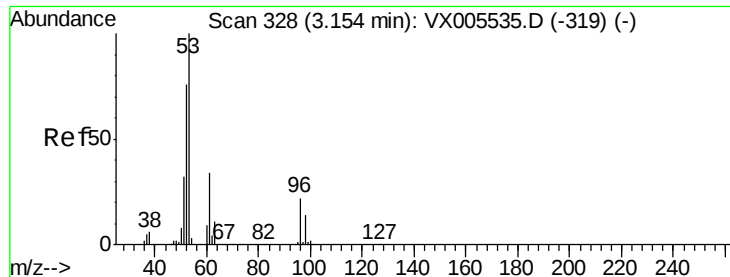
Ion Ratio Lower Upper

41 100

39 58.3 48.2 72.4

76 31.0 21.9 32.9





#15

Acrylonitrile

Concen: 95.268 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

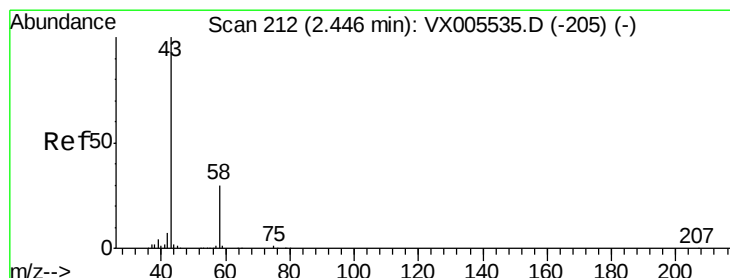
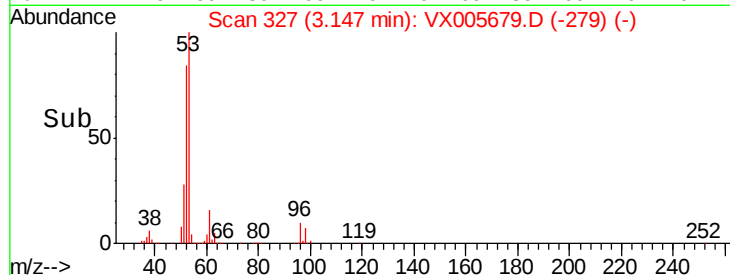
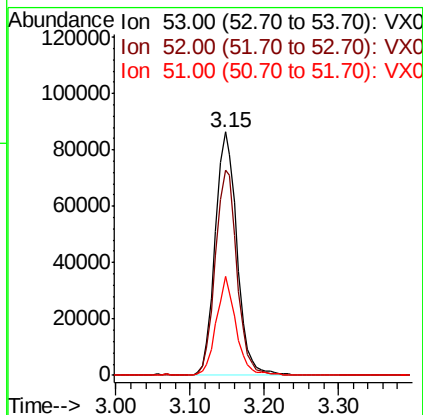
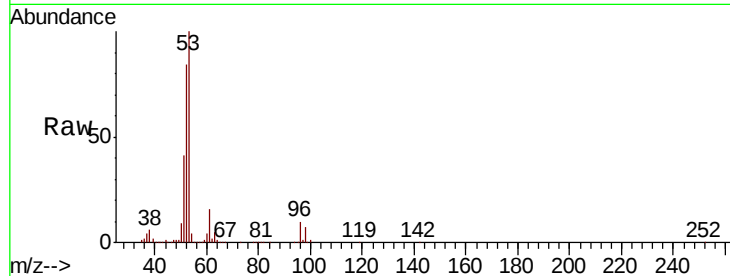
ClientSampleId :

VX1029WBSD02

Tot Ion:	53	Resp:	174273
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.6	99.8
51	36.5	28.4	42.6

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#16

Acetone

Concen: 97.847 ug/l

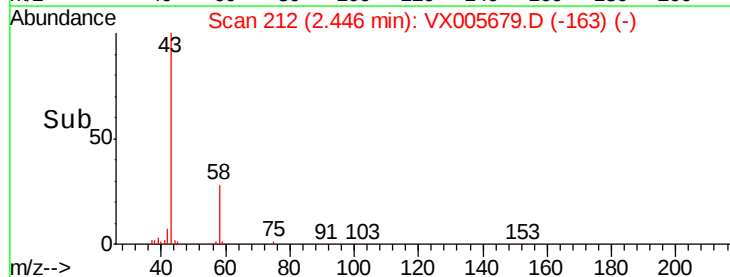
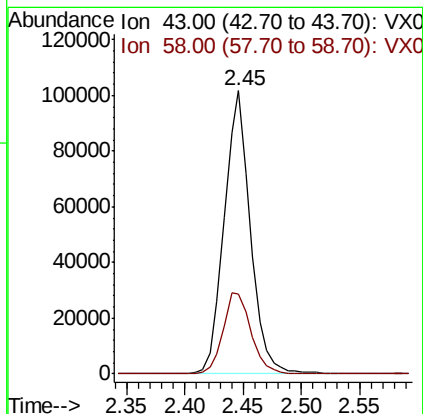
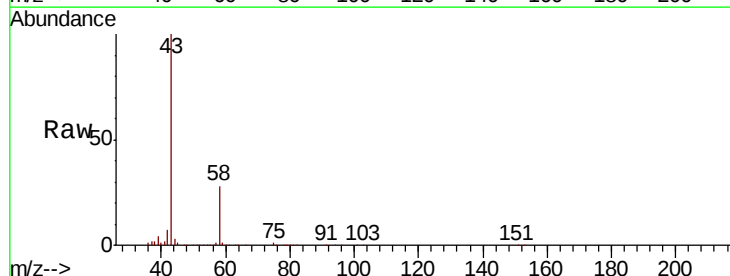
RT: 2.45 min Scan# 212

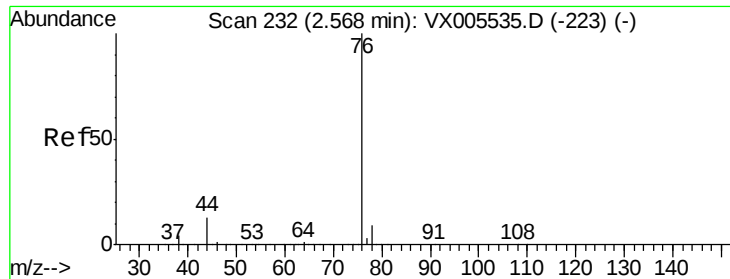
Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Tgt Ion:	43	Resp:	156742
Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.8	35.6





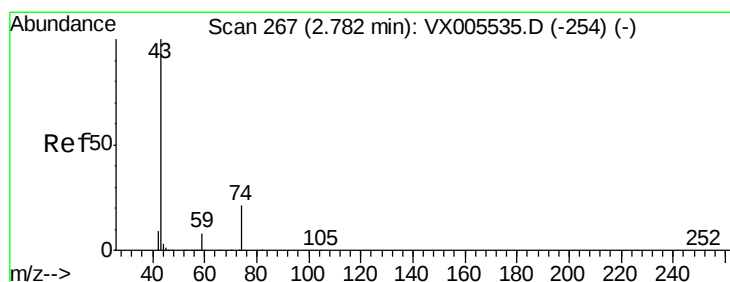
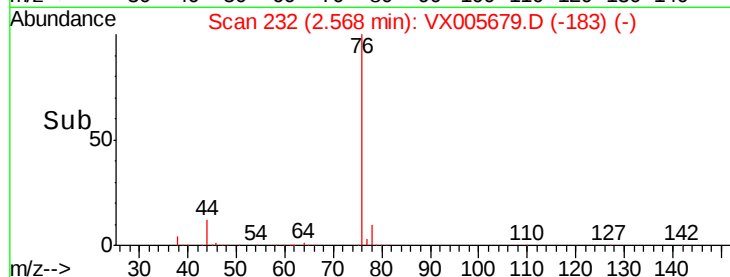
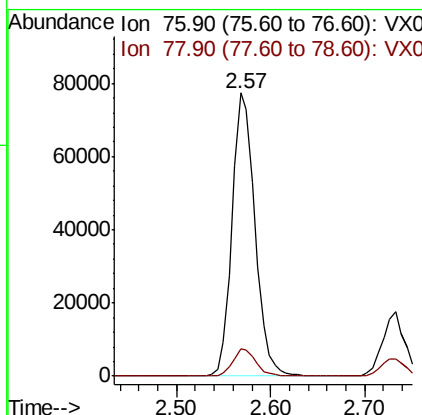
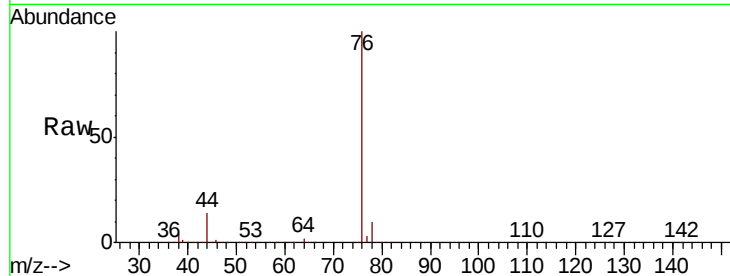
#17
Carbon Disulfide
Concen: 18.341 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9

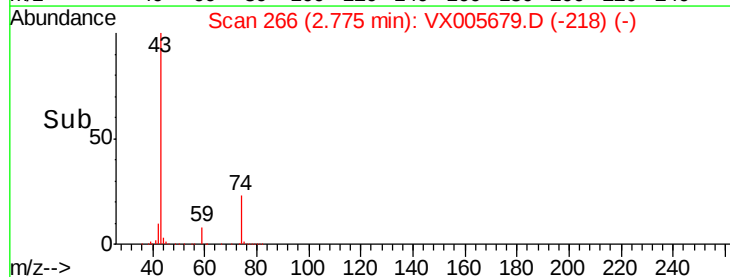
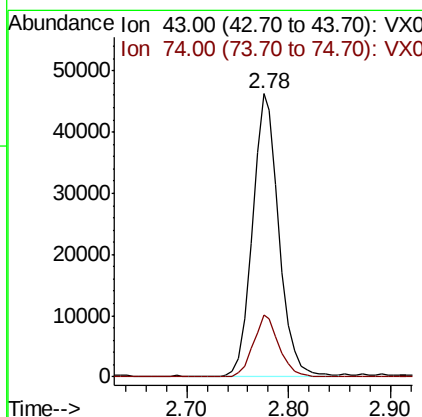
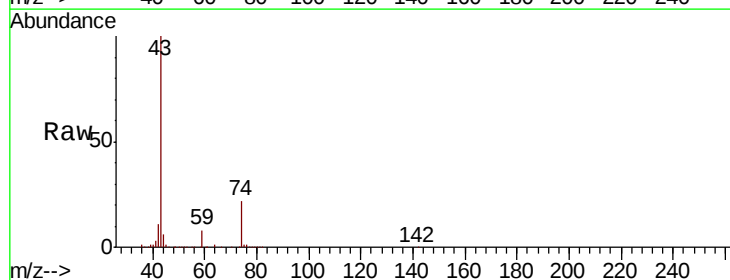
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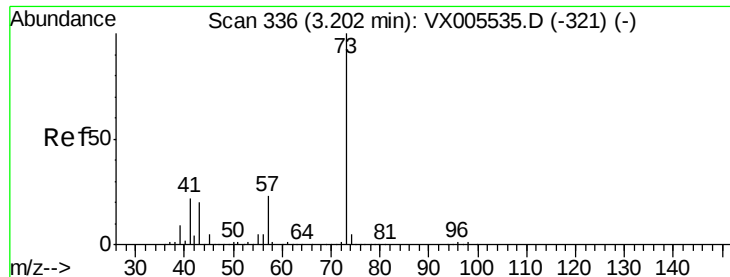
MMDadoda
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#18
Methyl Acetate
Concen: 20.037 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	16.8	25.2





#19

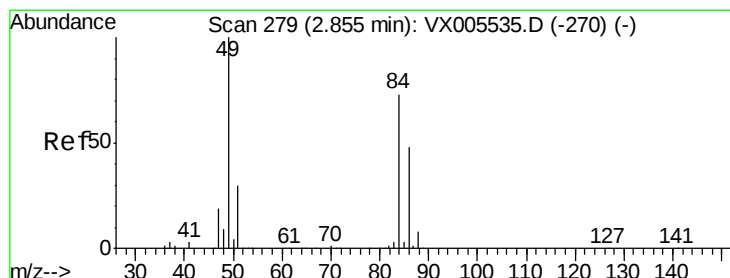
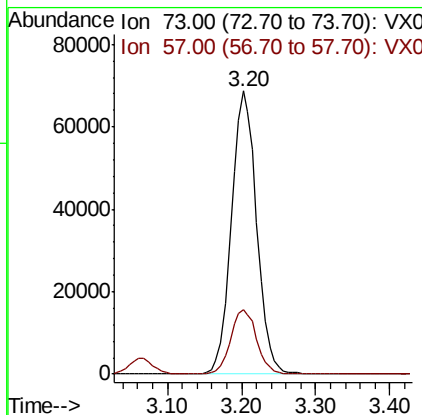
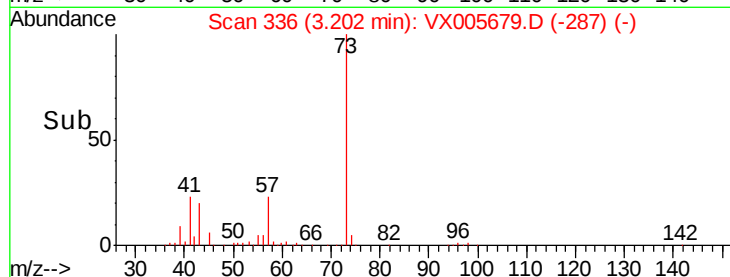
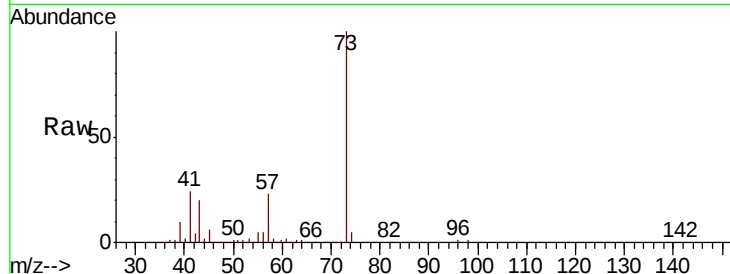
Methyl tert-butyl Ether
 Concen: 19.534 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX005679.D
 Acq: 30 Oct 2018 00:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.8	28.2

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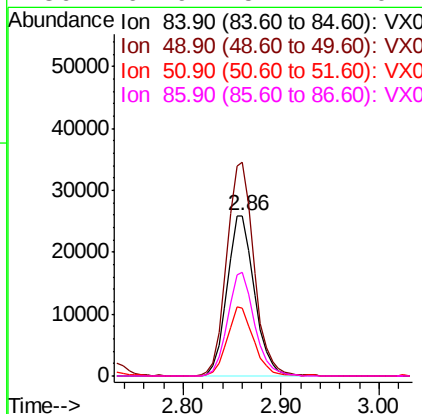
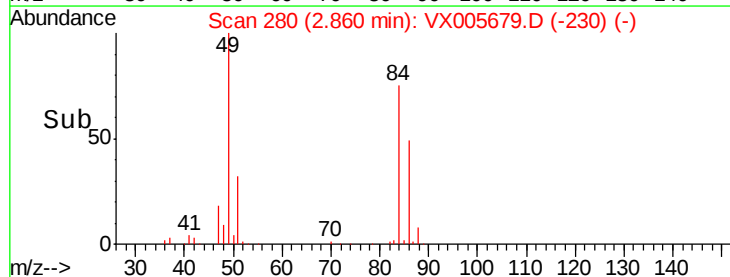
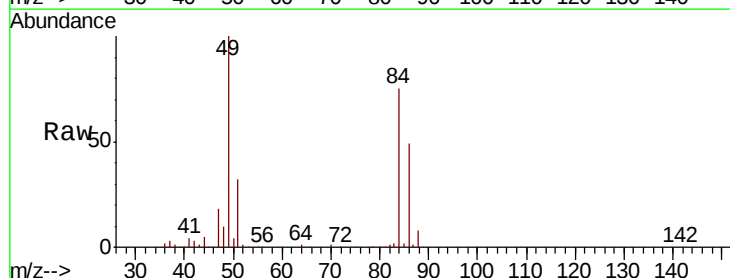
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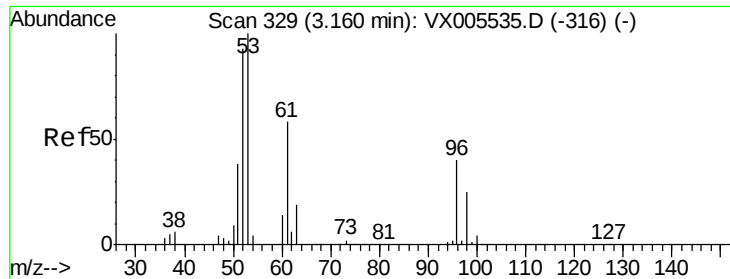


#20

Methylene Chloride
 Concen: 18.780 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX005679.D
 Acq: 30 Oct 2018 00:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.3	109.5	164.3
51	42.2	33.3	49.9
86	64.9	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 18.625 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD02

Tot Ion: 96 Resp: 47406

Ion Ratio Lower Upper

96 100

61 145.9 115.6 173.4

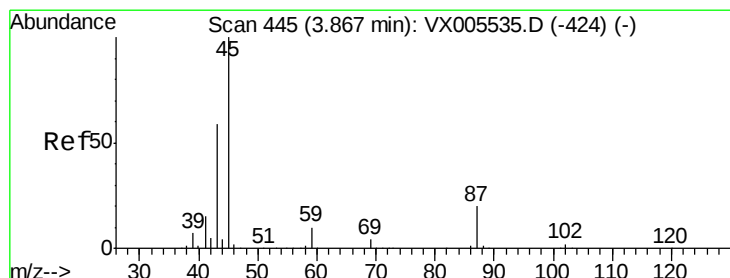
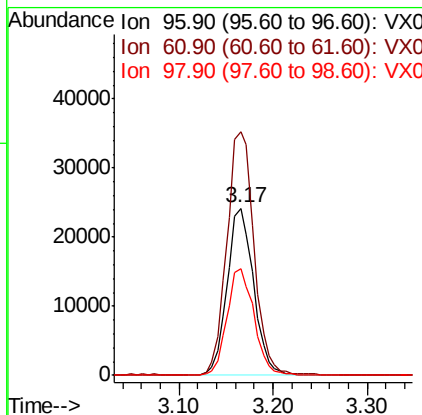
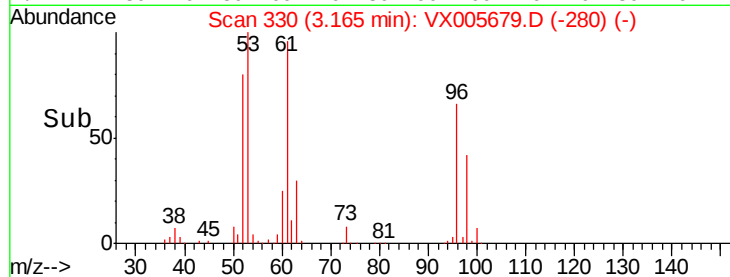
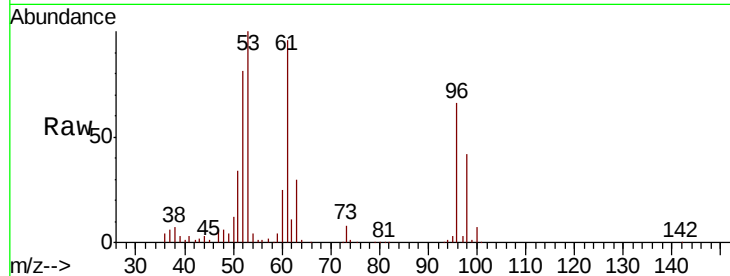
98 63.5 50.2 75.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.520 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Tgt Ion: 45 Resp: 177355

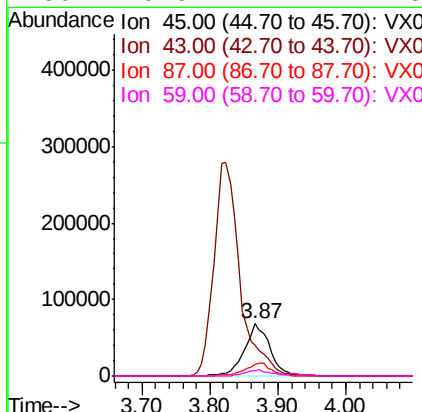
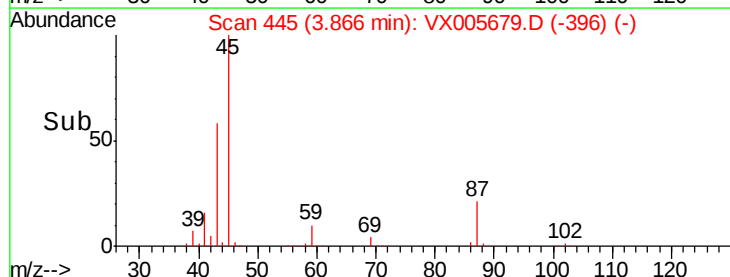
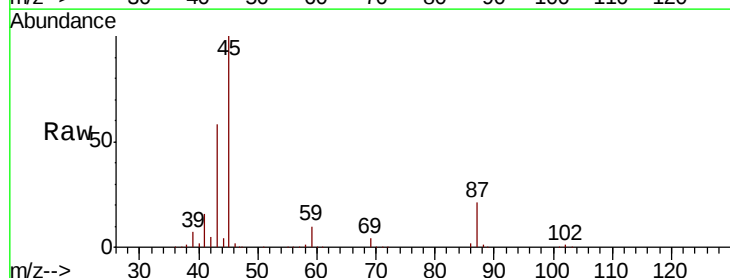
Ion Ratio Lower Upper

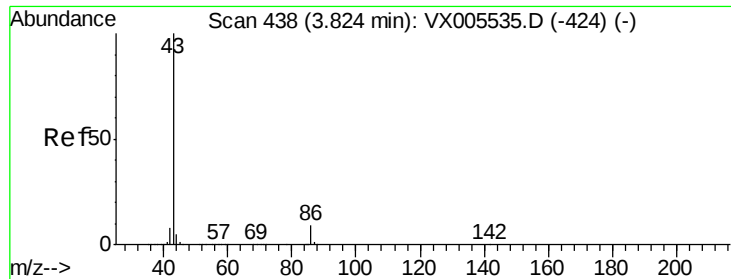
45 100

43 57.6 47.4 71.2

87 21.3 15.9 23.9

59 9.9 7.7 11.5





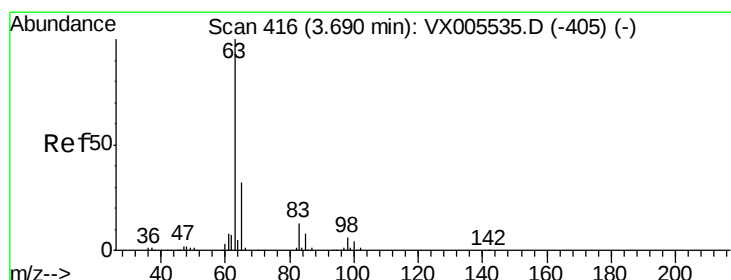
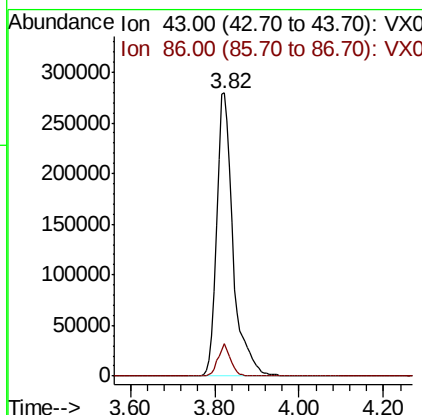
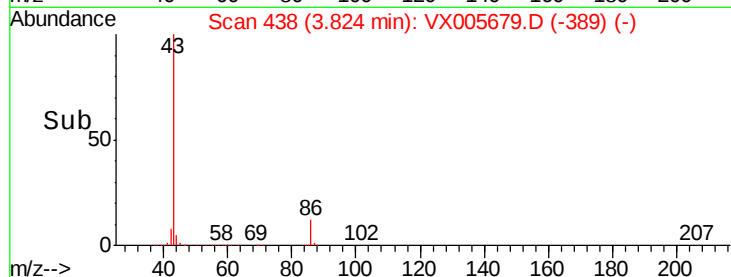
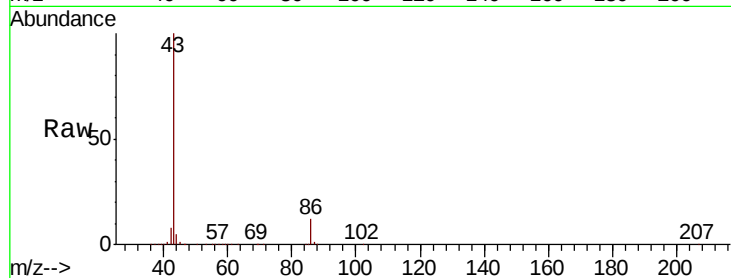
#23
 Vinyl Acetate
 Concen: 93.782 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: VX005679.D
 Acq: 30 Oct 2018 00:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD02

Tot Ion: 43 Resp: 750426
 Ion Ratio Lower Upper
 43 100
 86 11.5 7.4 11.2#

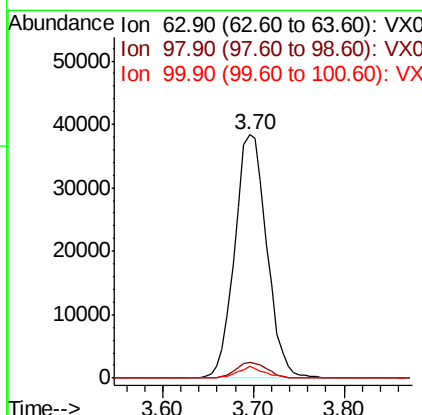
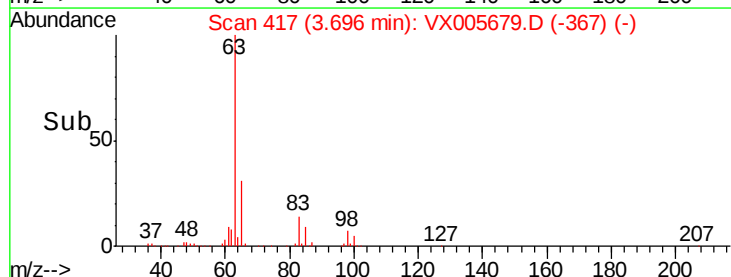
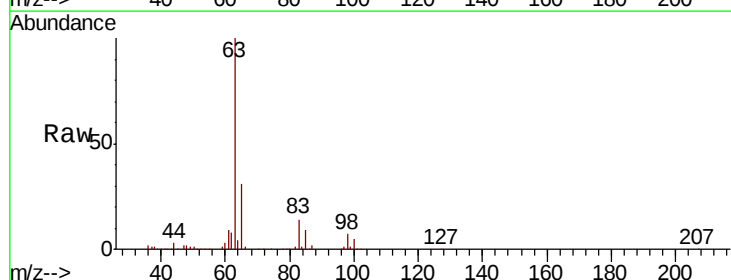
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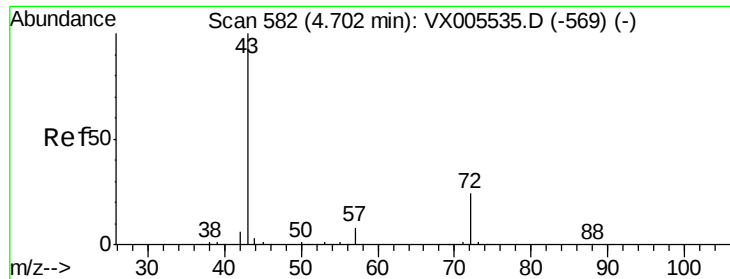
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#24
 1,1-Dichloroethane
 Concen: 19.051 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.01 min
 Lab File: VX005679.D
 Acq: 30 Oct 2018 00:30

Tgt Ion: 63 Resp: 94106
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.2 9.6
 100 4.8 2.1 6.2





#25

2-Butanone

Concen: 98.953 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD02

Tot Ion: 43 Resp: 241383

Ion Ratio Lower Upper

43 100

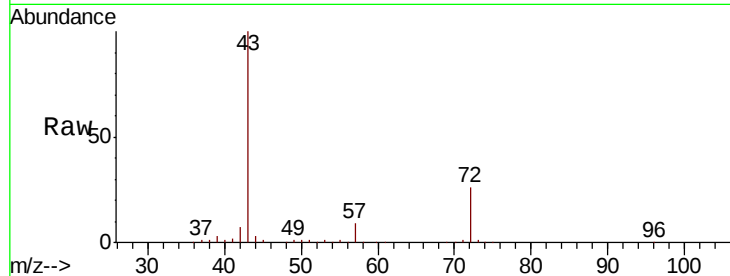
72 26.0 19.2 28.8

Manual Integrations

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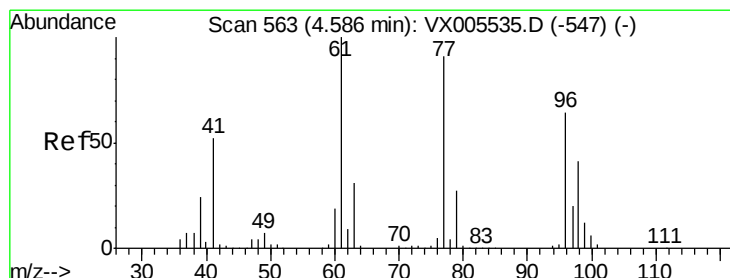
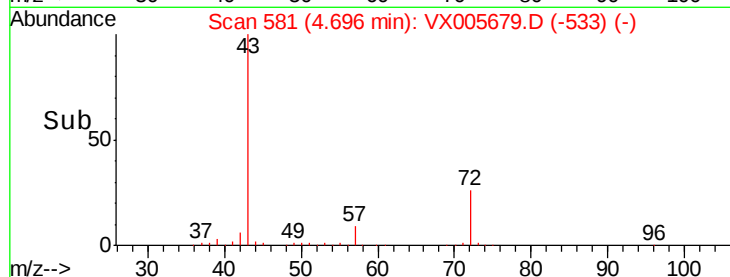
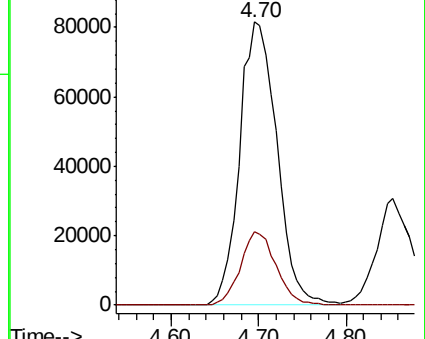
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 15.283 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX005679.D

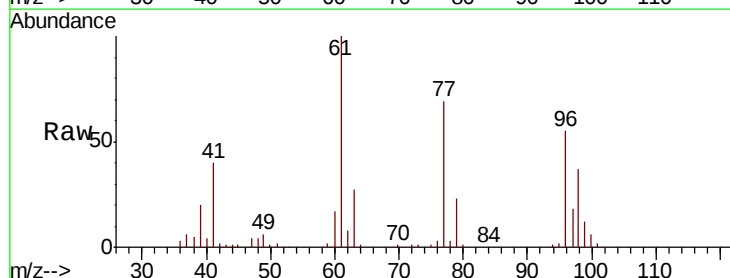
Acq: 30 Oct 2018 00:30

Tgt Ion: 77 Resp: 58283

Ion Ratio Lower Upper

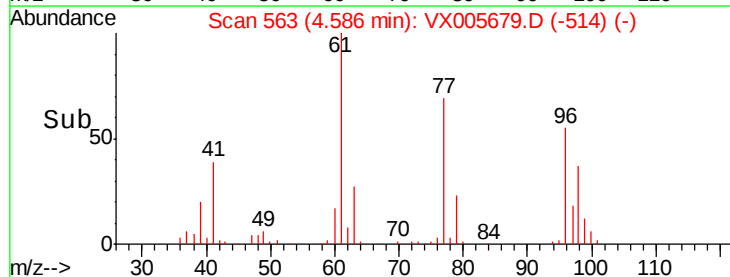
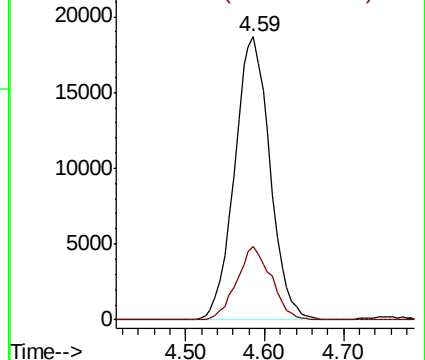
77 100

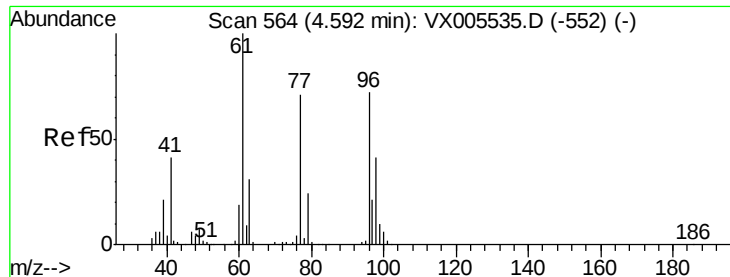
97 25.4 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

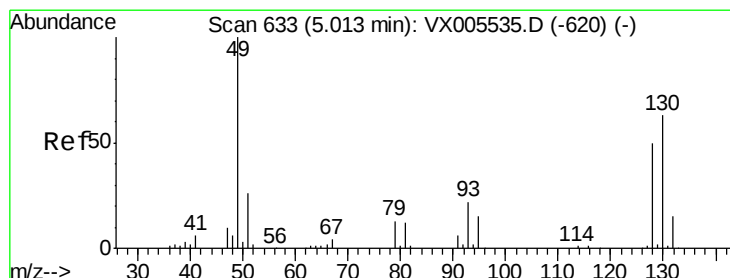
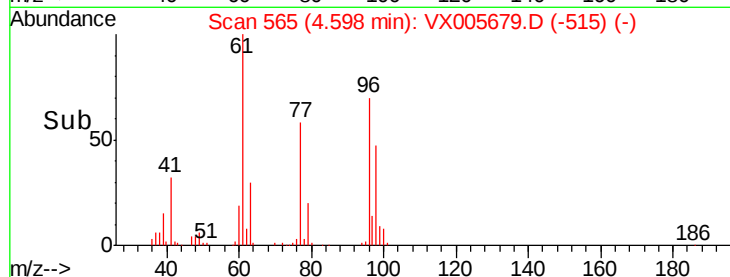
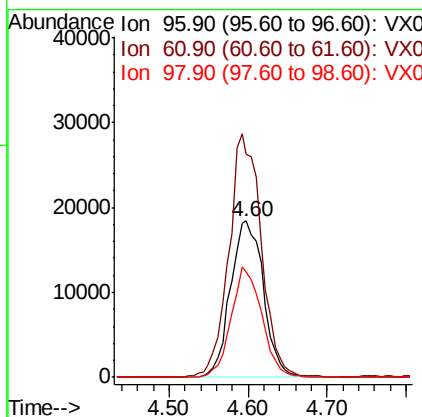
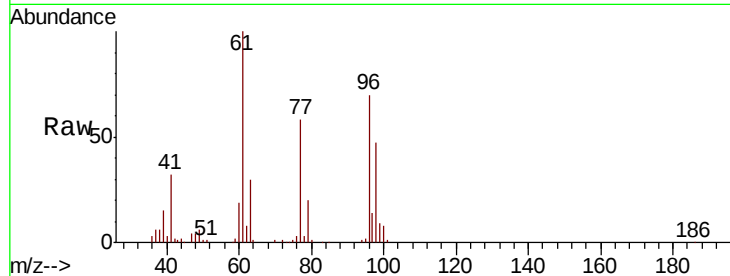
cis-1,2-Dichloroethene
 Concen: 19.573 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX005679.D
 Acq: 30 Oct 2018 00:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	53710		
61	152.6		0.0	304.6
98	65.3		0.0	127.4

Manual Integrations
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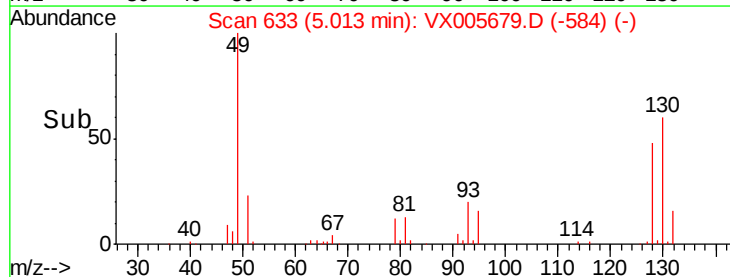
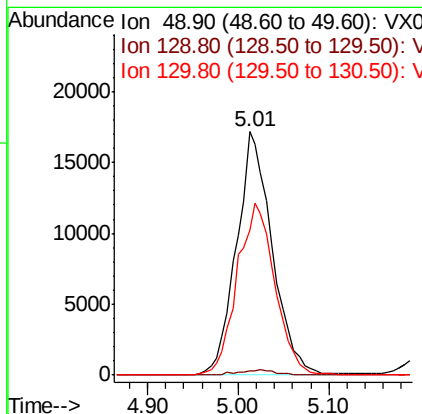
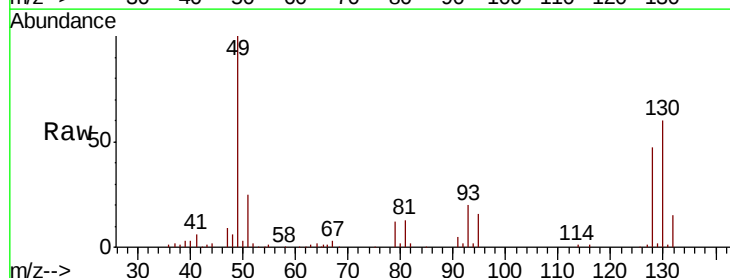
MMDadoda
 10/30/2018 11:11:29 AM

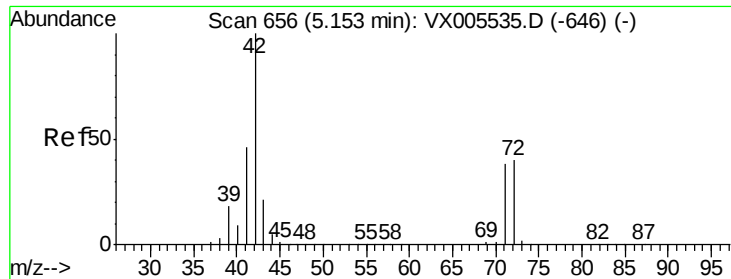


#28

Bromochloromethane
 Concen: 19.619 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX005679.D
 Acq: 30 Oct 2018 00:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	46873		
129	2.1		0.0	4.0
130	74.6		58.9	88.3





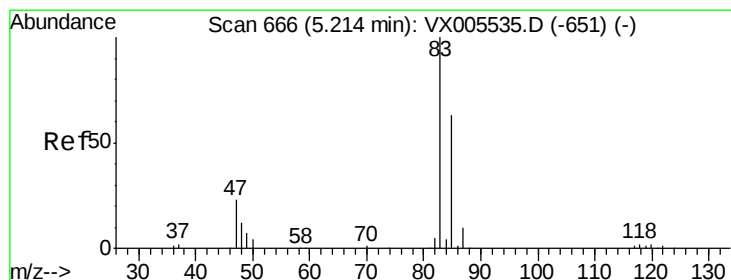
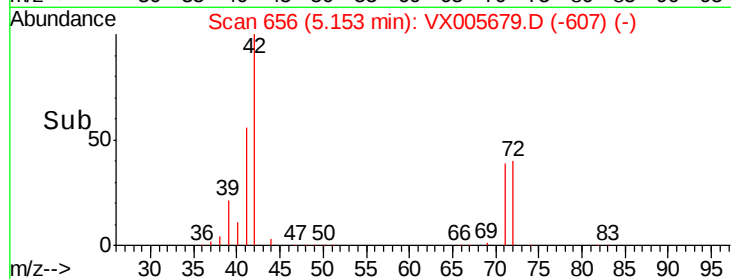
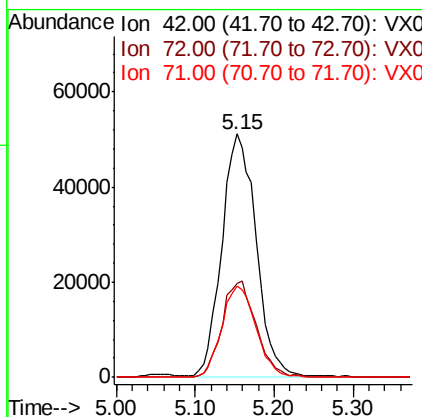
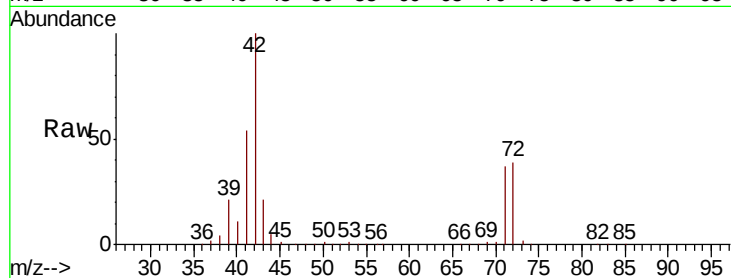
#29
Tetrahydrofuran
Concen: 97.072 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.0	48.0
71	37.9	29.8	44.8

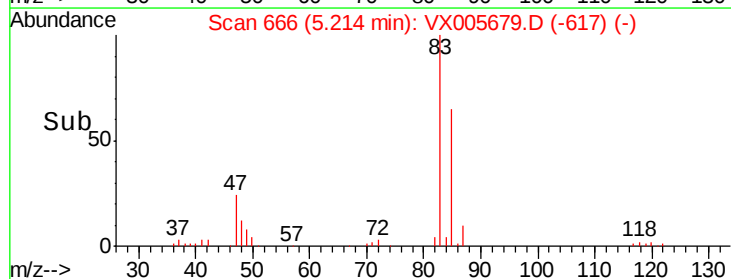
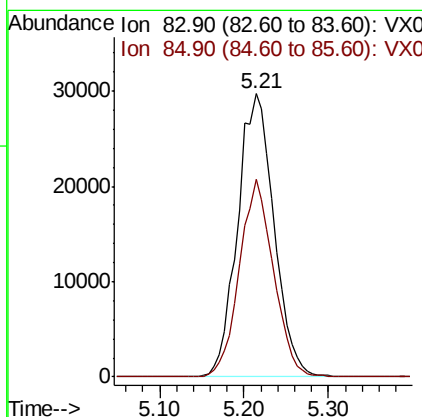
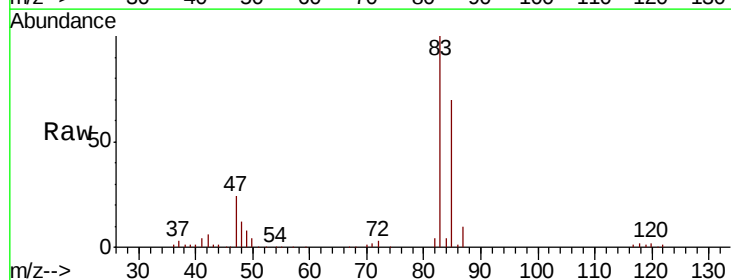
Manual Integrations
APPROVED

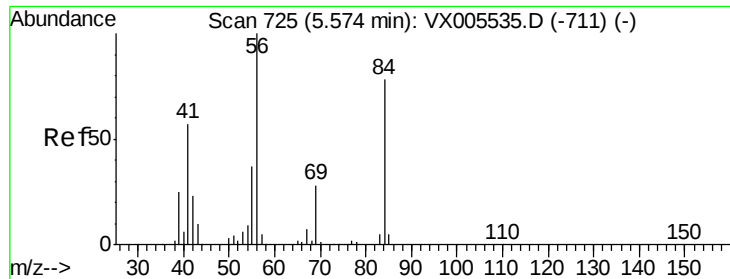
MMDadoda
10/30/2018 11:11:29 AM



#30
Chloroform
Concen: 18.802 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.7	50.6	76.0





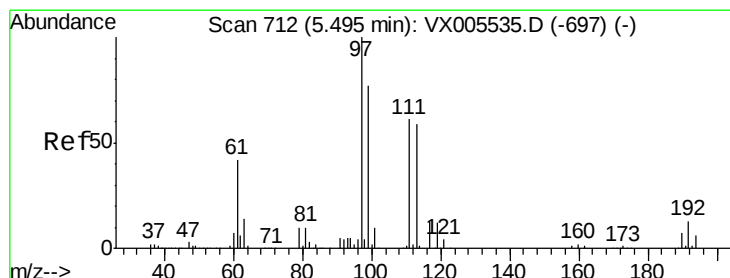
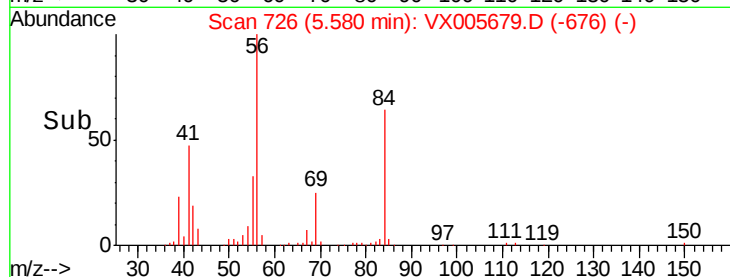
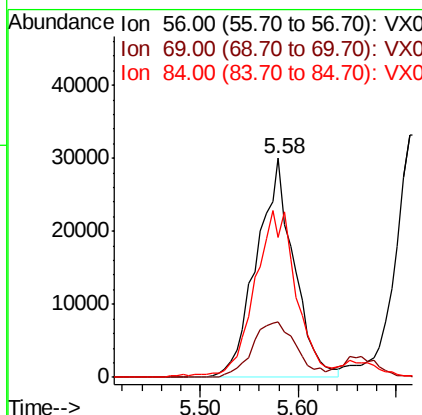
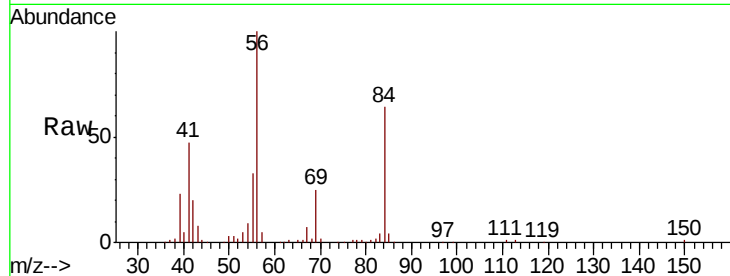
#31
Cyclohexane
Concen: 19.472 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	25.1	22.6	34.0
84	62.9	62.7	94.1

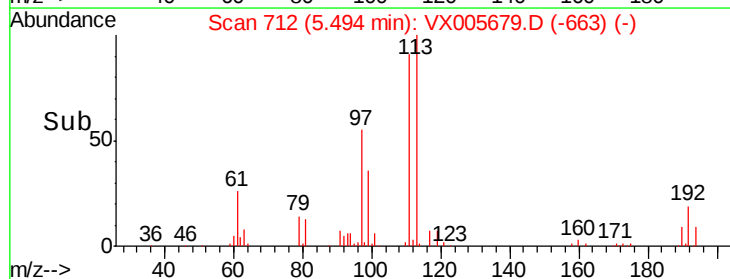
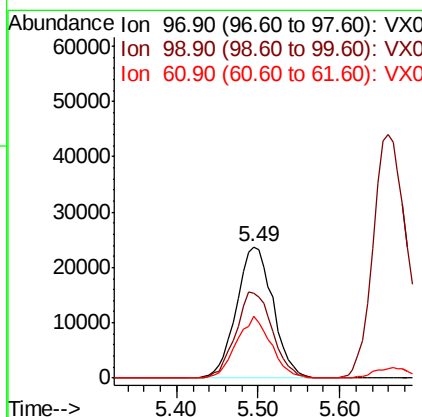
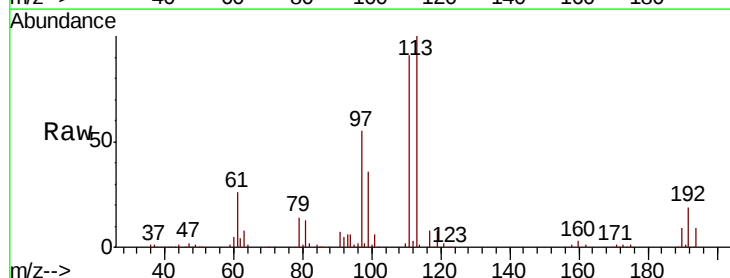
Manual Integrations
APPROVED

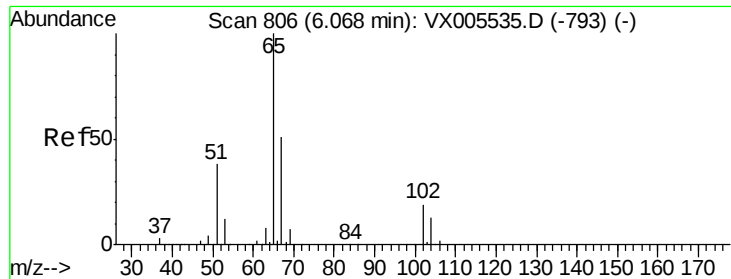
MMDadoda
10/30/2018 11:11:29 AM



#32
1,1,1-Trichloroethane
Concen: 18.093 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.3	78.5
61	44.9	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 45.817 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Tot Ion: 65 Resp: 138897

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.0

Instrument :

MSVOA_X

ClientSampleId :

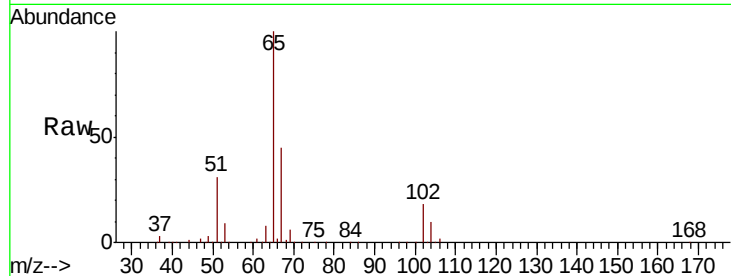
VX1029WBSD02

Manual Integrations

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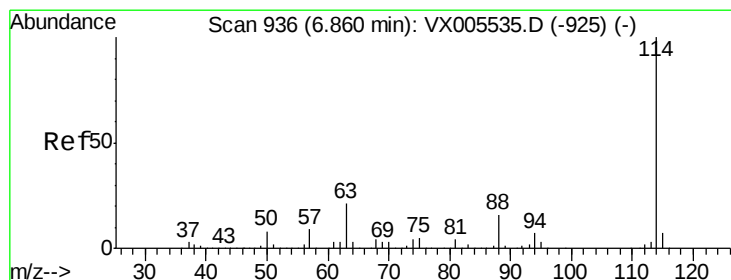
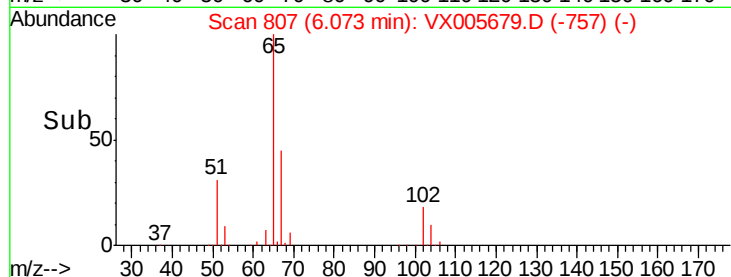
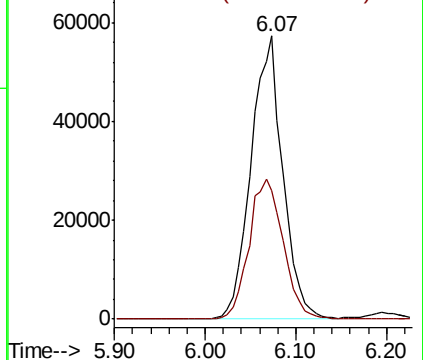
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

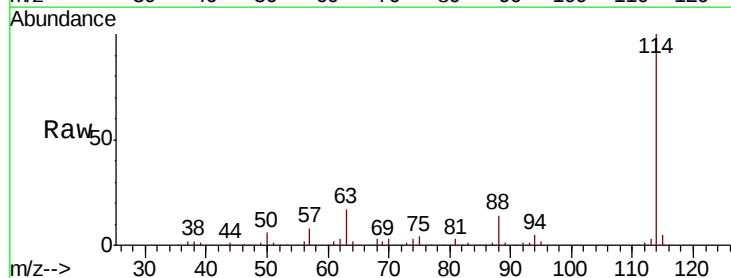
Tgt Ion: 114 Resp: 360664

Ion Ratio Lower Upper

114 100

63 17.4 0.0 42.8

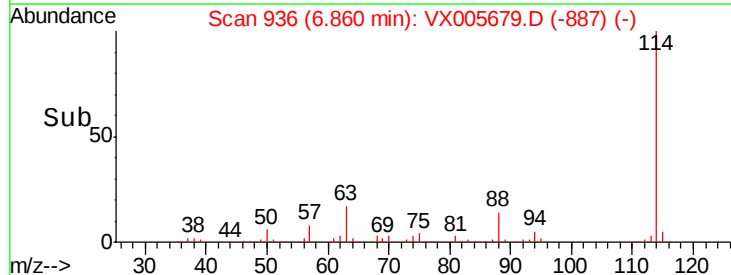
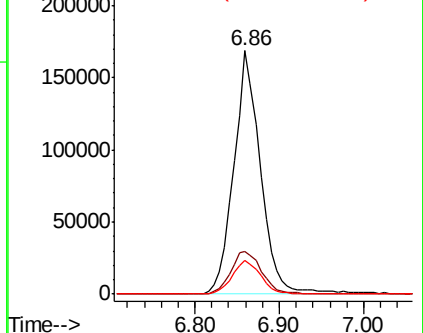
88 13.7 0.0 31.2

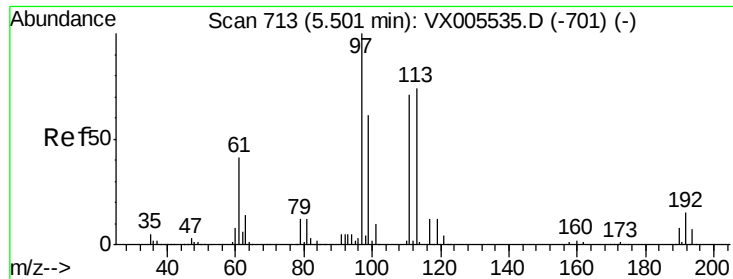


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.863 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

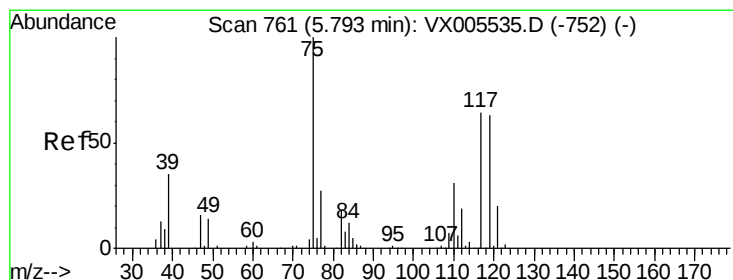
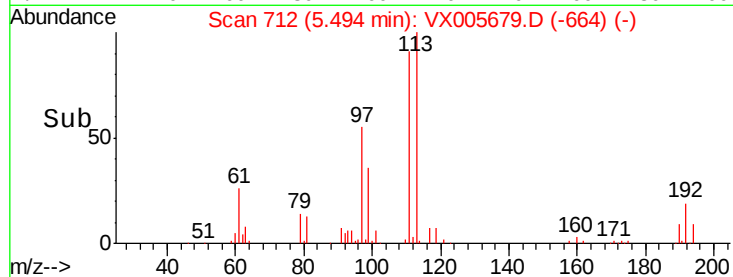
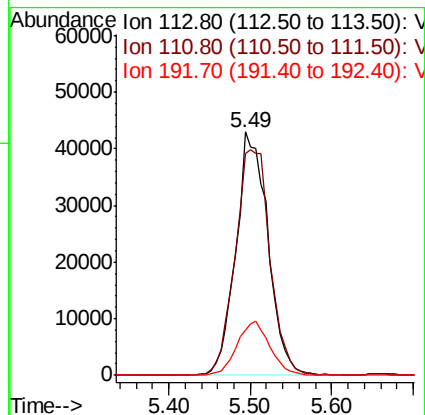
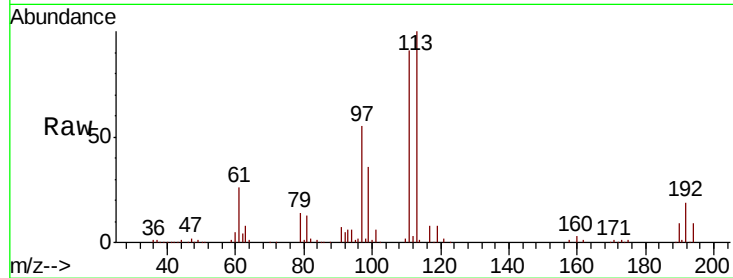
ClientSampleId :

VX1029WBSD02

Tot Ion:	113	Resp:	116887
Ion Ratio	Lower	Upper	
113	100		
111	100.9	82.3	123.5
192	22.6	17.9	26.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.998 ug/l

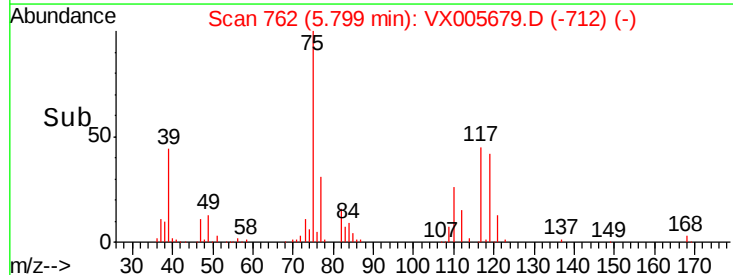
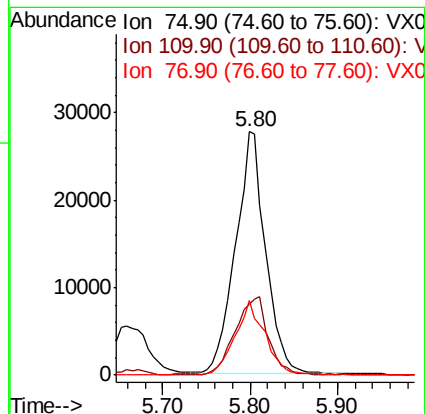
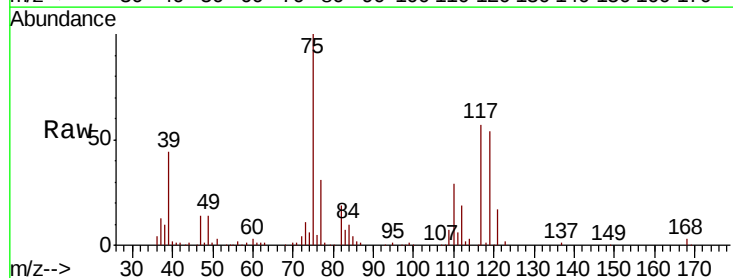
RT: 5.80 min Scan# 762

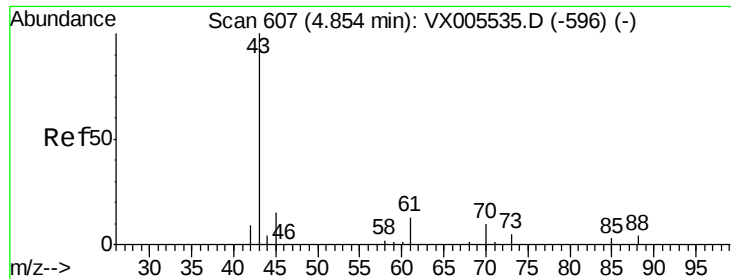
Delta R.T. 0.01 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Tgt Ion:	75	Resp:	66494
Ion Ratio	Lower	Upper	
75	100		
110	35.3	17.4	52.2
77	29.9	25.8	38.6





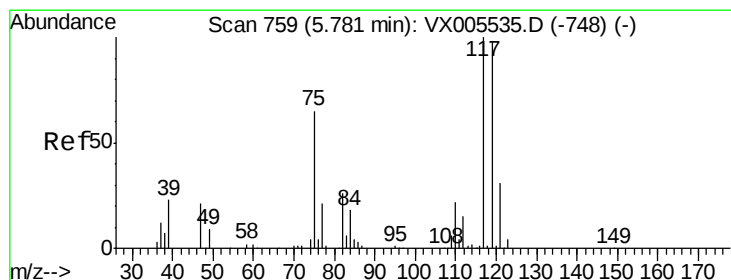
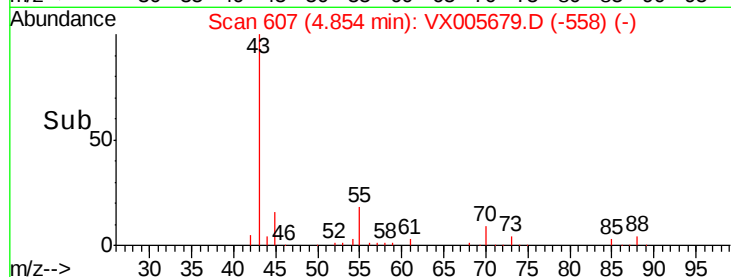
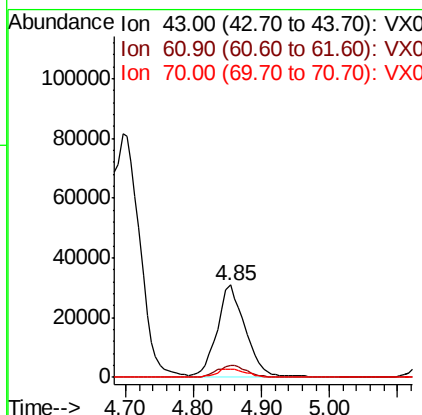
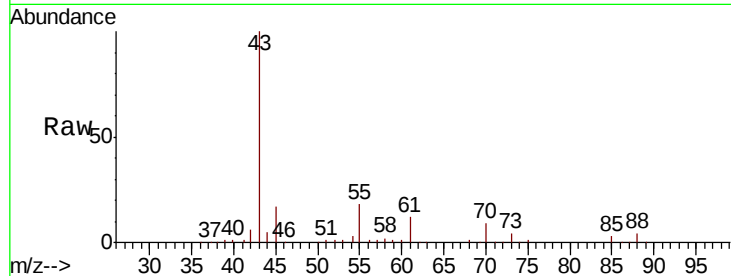
#37
Ethyl Acetate
Concen: 19.690 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Instrument :
MSVOA_X
ClientSampleID :
VX1029WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	10.2	7.8	11.8

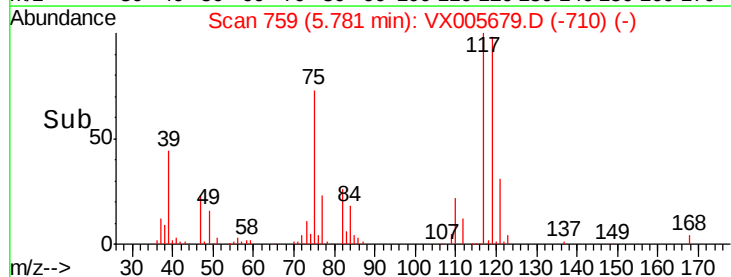
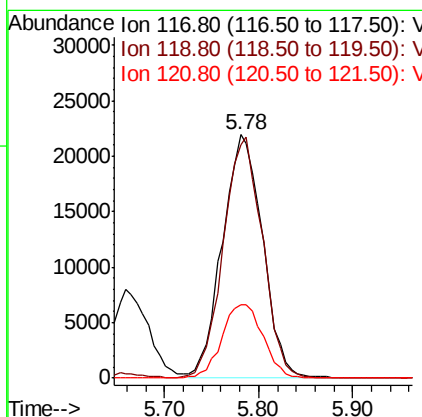
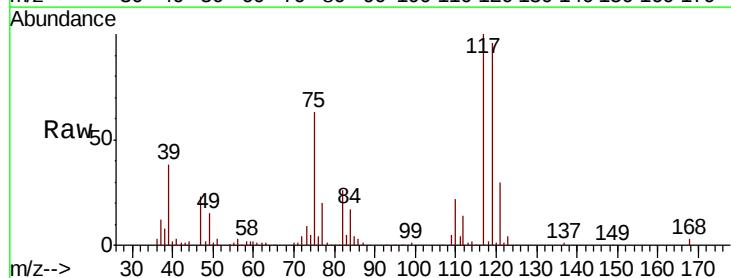
Manual Integrations
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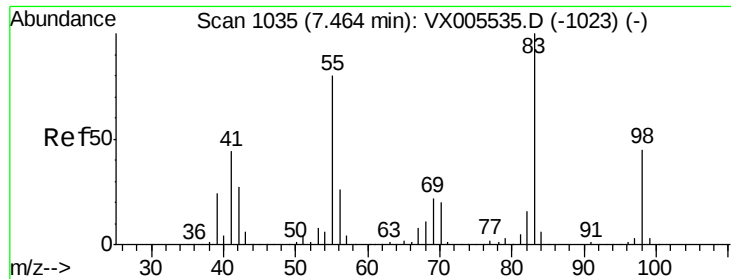
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.674 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.1	117.1
121	30.3	24.6	36.8





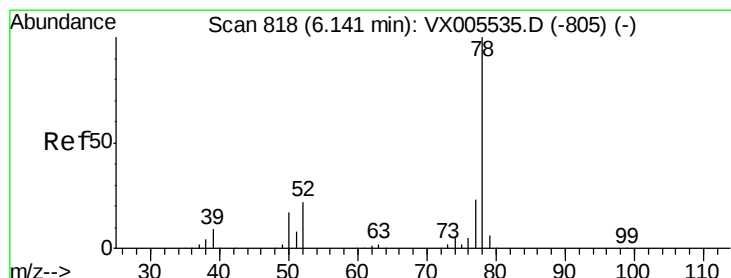
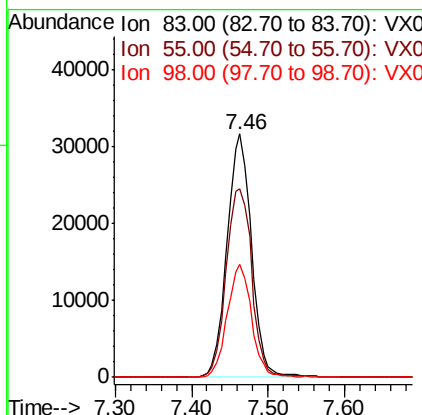
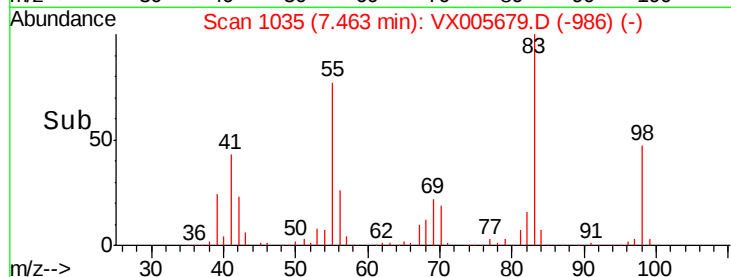
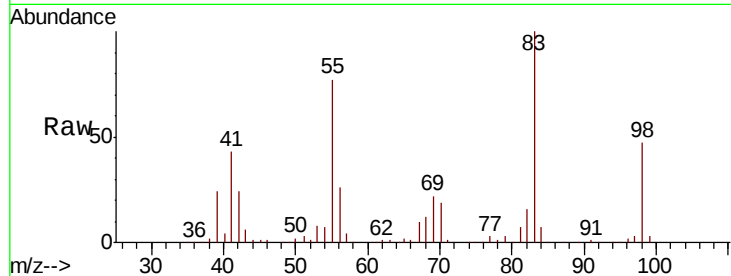
#39
Methvlcvclohexane
Concen: 18.110 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	63.7	95.5
98	46.5	36.2	54.2

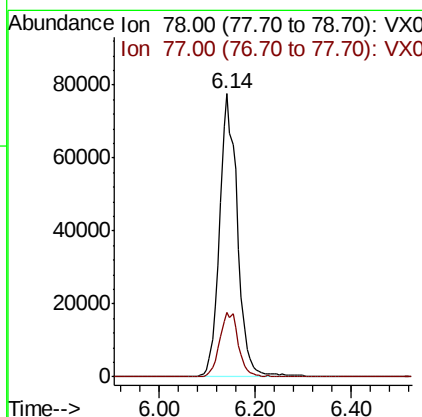
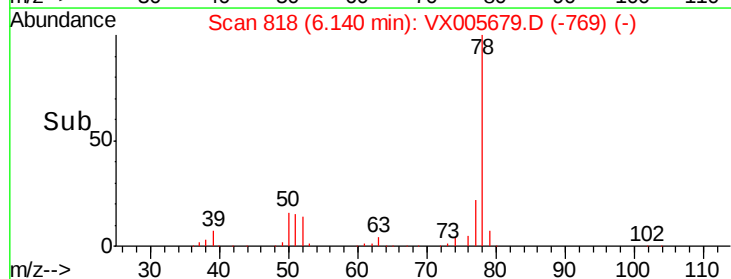
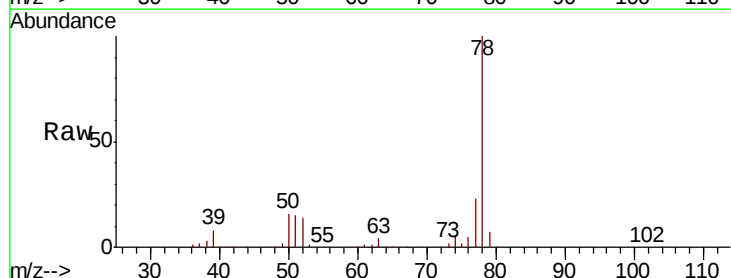
Manual Integrations
APPROVED

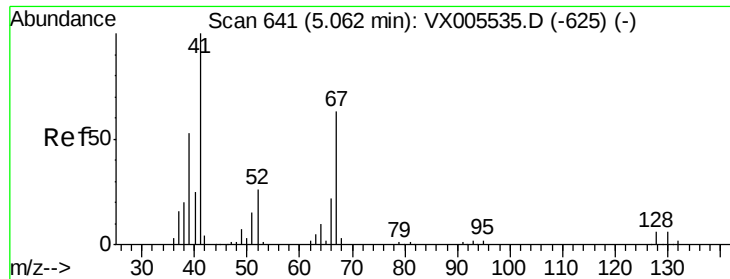
MMDadoda
10/30/2018 11:11:29 AM



#40
Benzene
Concen: 20.103 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.4	27.6





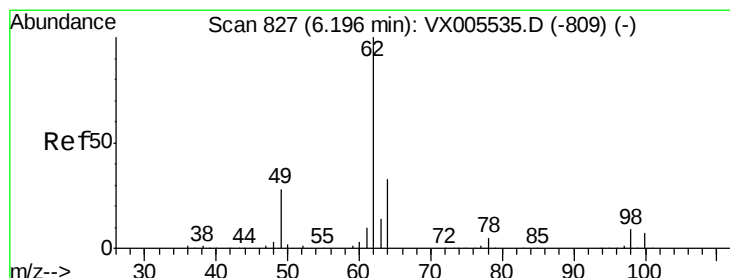
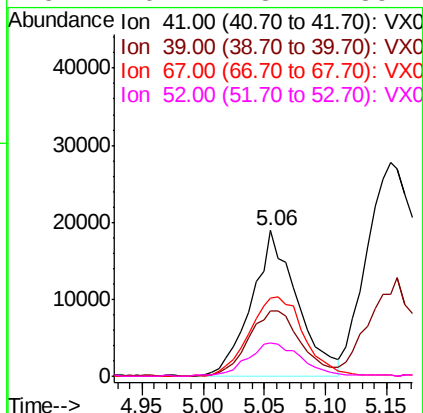
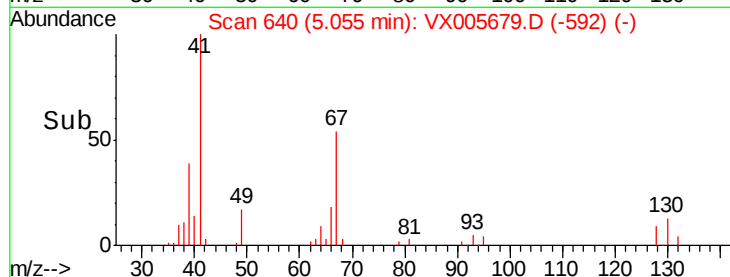
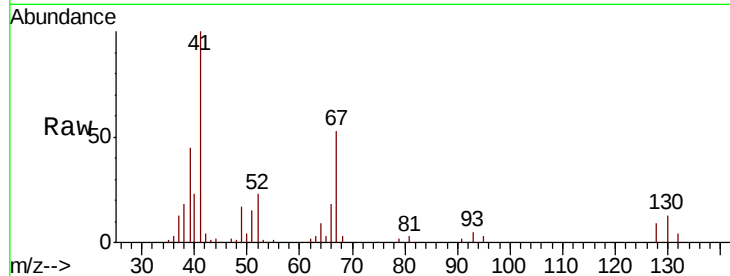
#41
Methacrylonitrile
Concen: 19.774 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	42.2	63.2	
67	65.5	53.4	80.0	
52	26.1	23.4	35.2	

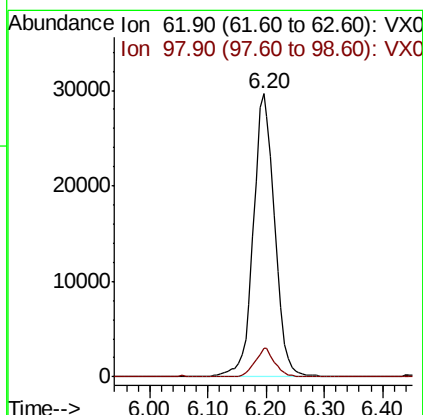
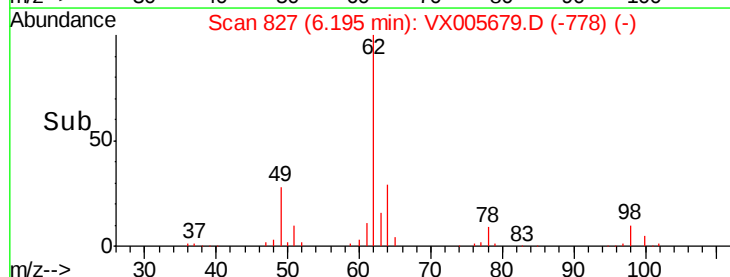
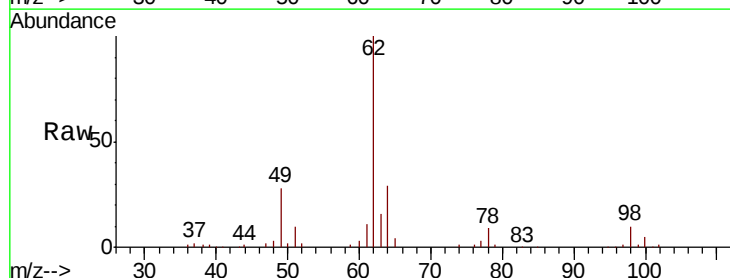
Manual Integrations
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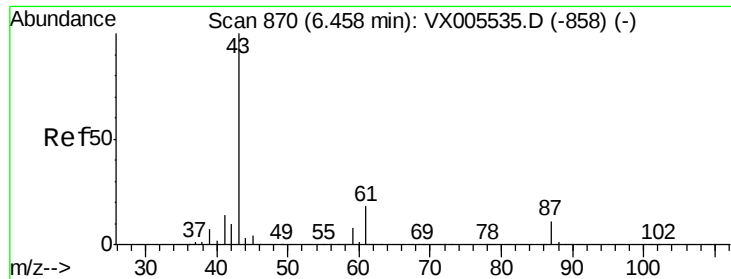
MMDadoda
10/30/2018 11:11:29 AM



#42
1,2-Dichloroethane
Concen: 19.796 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	17.8	





#43

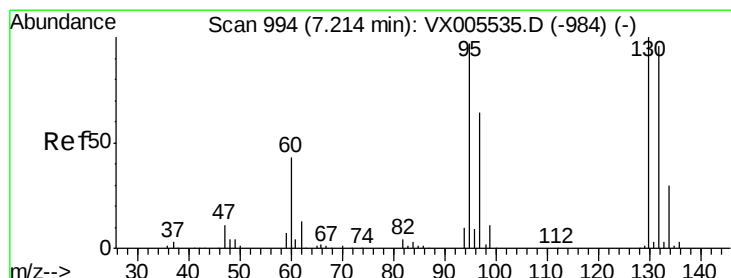
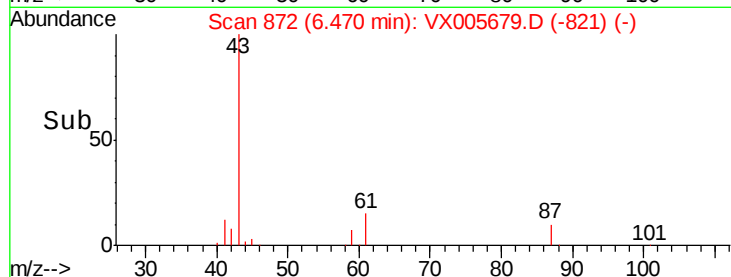
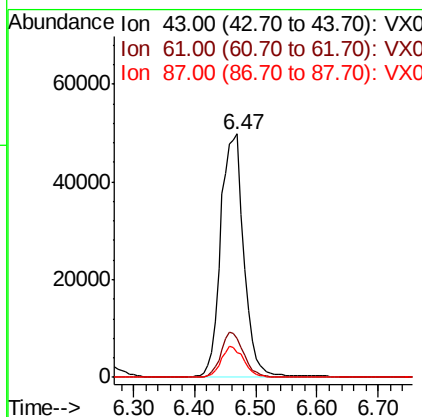
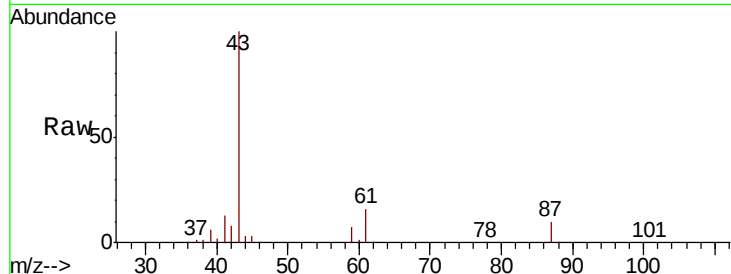
Isopropyl Acetate
 Concen: 19.565 ug/l
 RT: 6.47 min Scan# 872
 Delta R.T. 0.01 min
 Lab File: VX005679.D
 Acq: 30 Oct 2018 00:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.6	22.0
87	12.5	9.6	14.4

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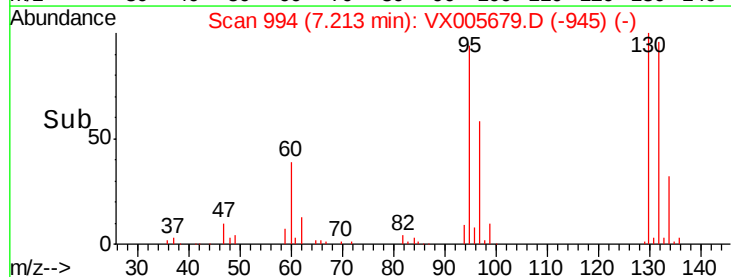
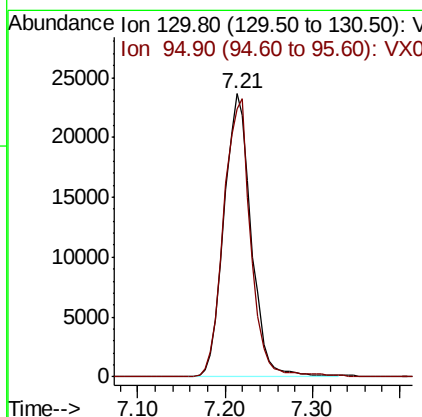
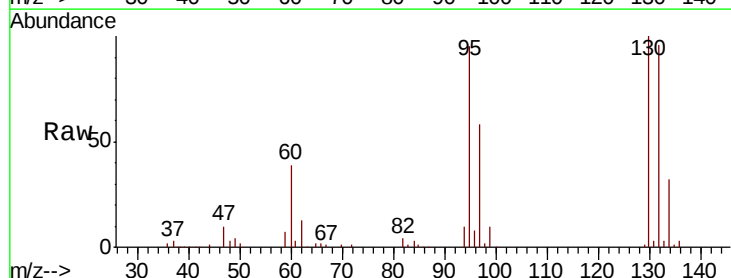
MMDadoda
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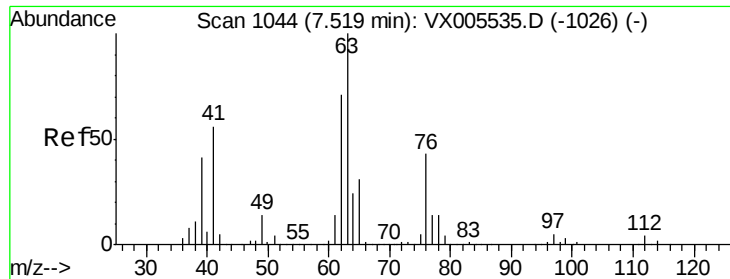


#44

Trichloroethene
 Concen: 18.738 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX005679.D
 Acq: 30 Oct 2018 00:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	194.2





#45

1,2-Dichloropropane

Concen: 18.185 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD02

Tot Ion: 63 Resp: 49053

Ion Ratio Lower Upper

63 100

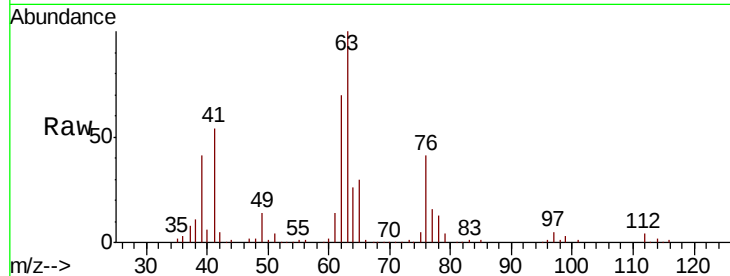
65 30.6 24.8 37.2

Manual Integrations

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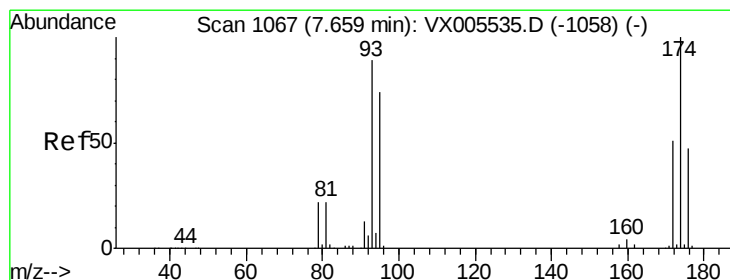
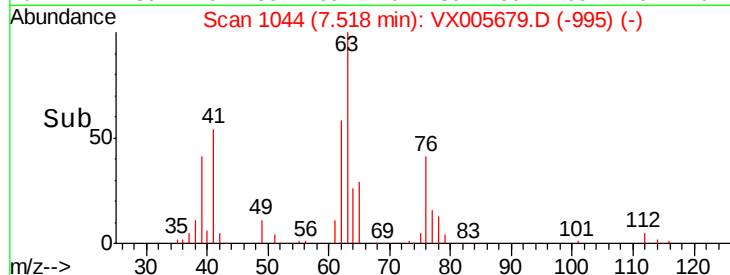
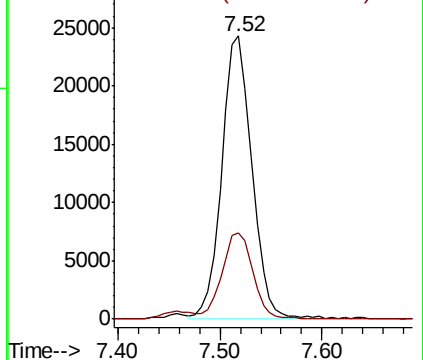
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.340 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

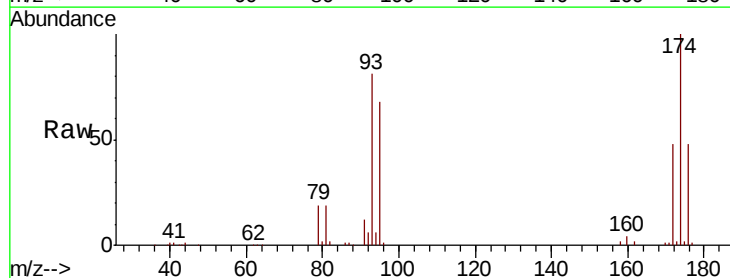
Tgt Ion: 93 Resp: 31952

Ion Ratio Lower Upper

93 100

95 83.0 67.4 101.0

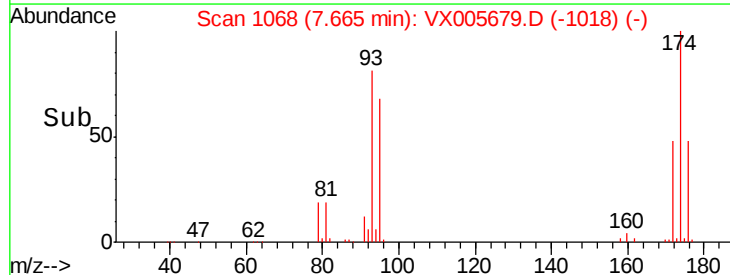
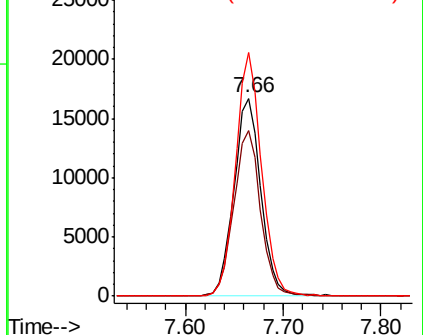
174 118.6 91.5 137.3

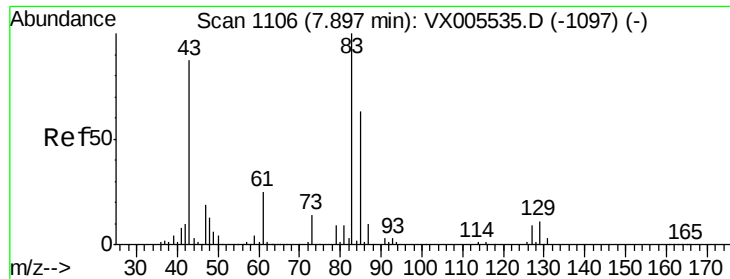


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





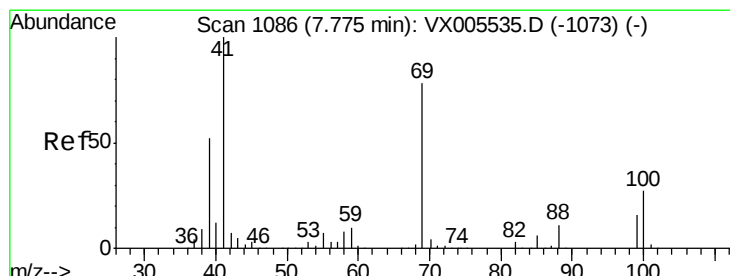
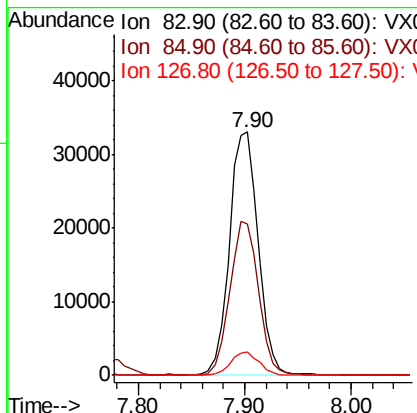
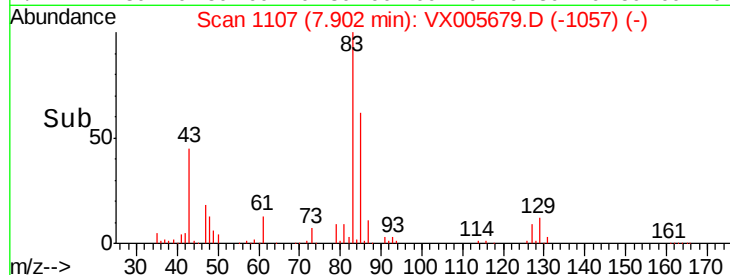
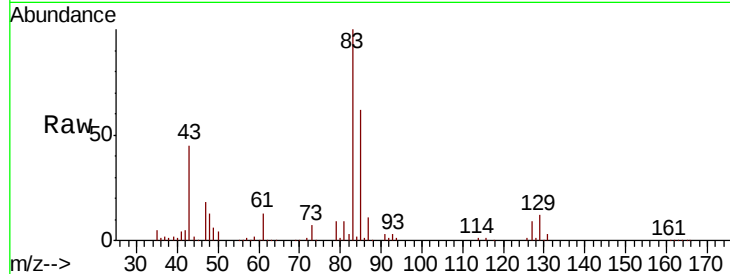
#47
 Bromodichloromethane
 Concen: 18.537 ug/l
 RT: 7.90 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VX005679.D
 Acq: 30 Oct 2018 00:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD02

Tot Ion: 83 Resp: 62682
 Ion Ratio Lower Upper
 83 100
 85 62.5 50.2 75.4
 127 9.5 6.9 10.3

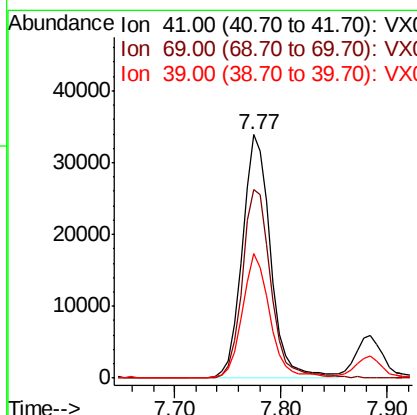
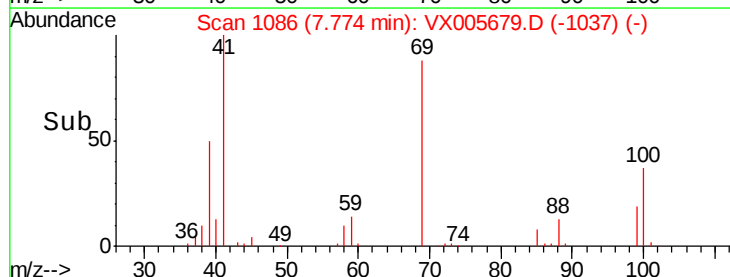
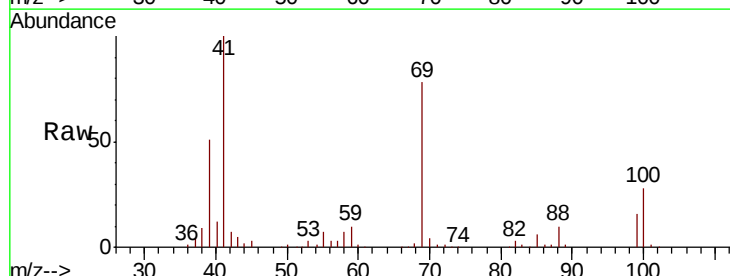
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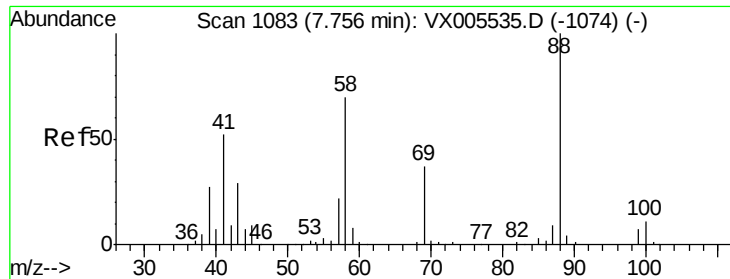
MMDadoda
 10/30/2018 11:11:29 AM



#48
 Methyl methacrylate
 Concen: 19.322 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX005679.D
 Acq: 30 Oct 2018 00:30

Tgt Ion: 41 Resp: 62999
 Ion Ratio Lower Upper
 41 100
 69 79.3 63.2 94.8
 39 49.7 42.2 63.2





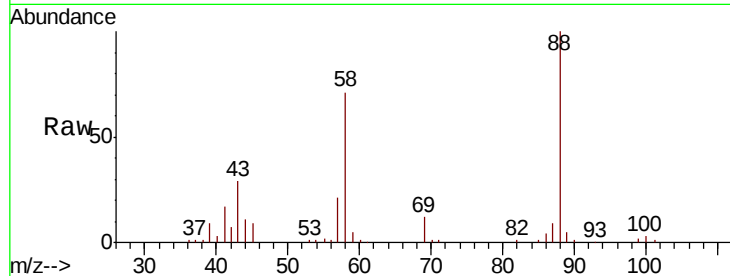
#49
1,4-Dioxane
Concen: 402.769 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	27.4	41.0
58	75.3	59.4	89.2

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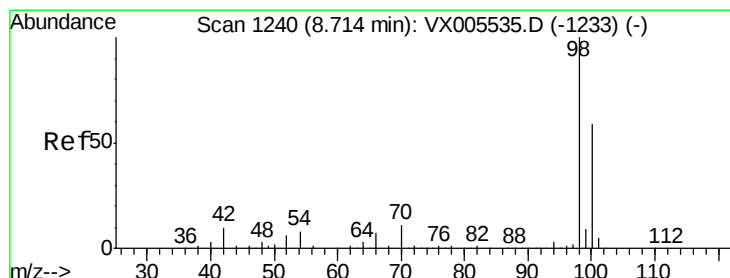
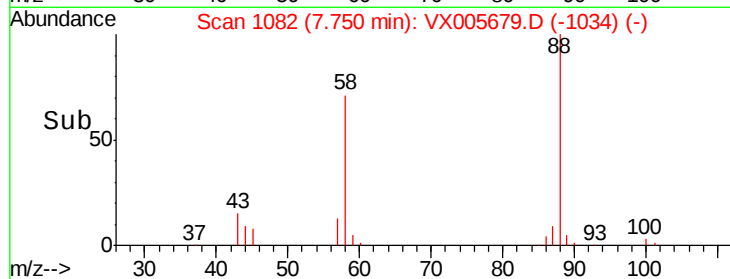
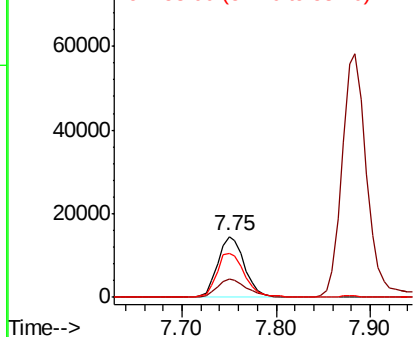


Abundance

Ion 88.00 (87.70 to 88.70): VX0

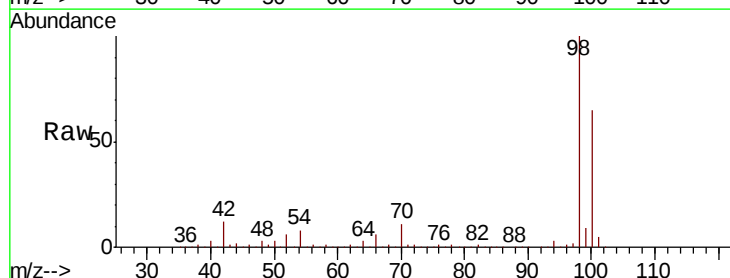
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 47.141 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

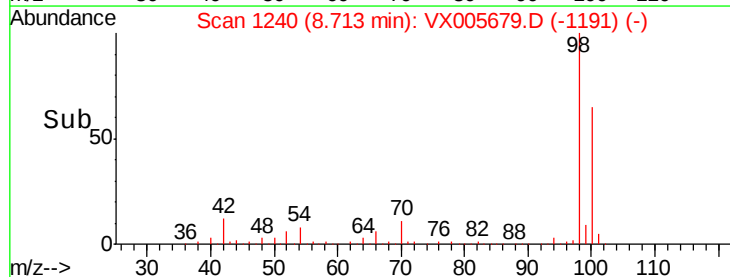
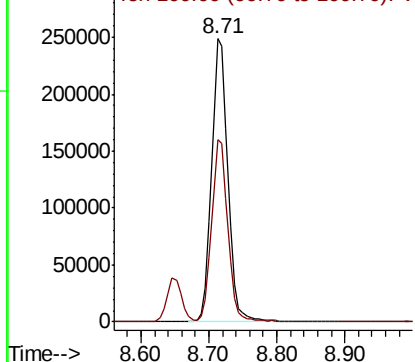
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.3	76.9

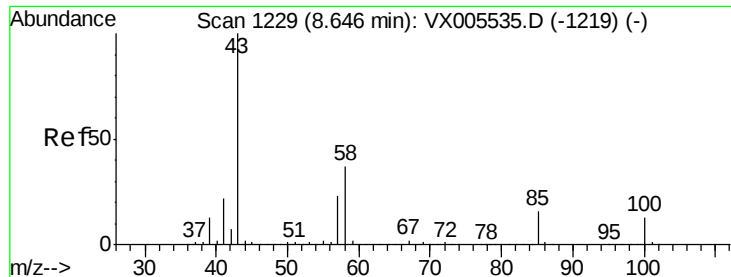


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 95.425 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD02

Tot Ion: 43 Resp: 429230

Ion Ratio Lower Upper

43 100

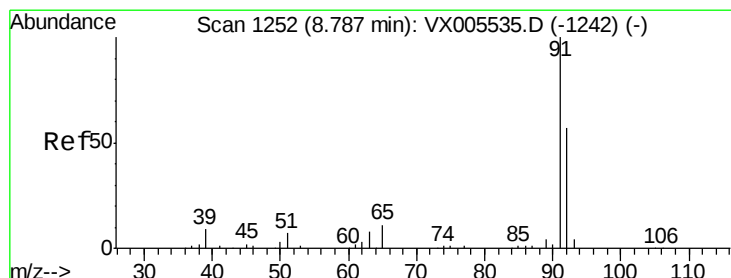
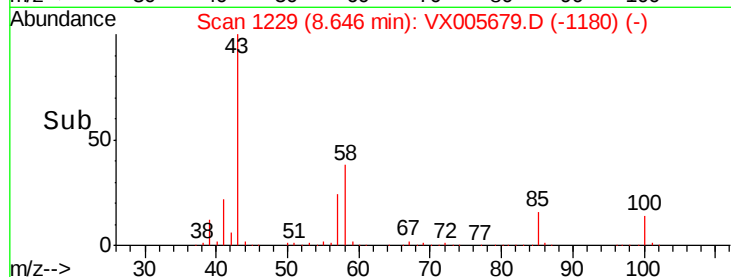
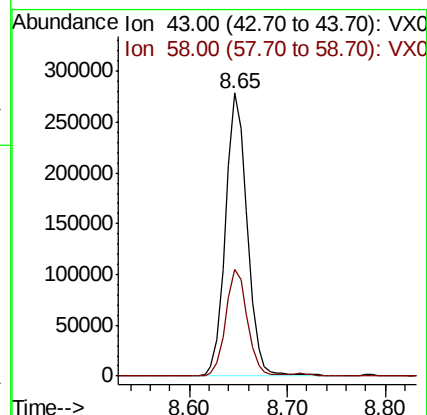
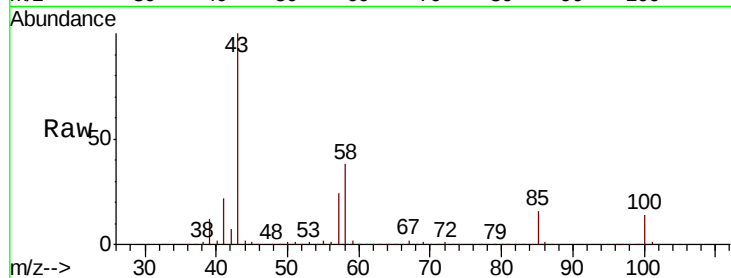
58 37.5 29.7 44.5

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#52

Toluene

Concen: 18.940 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005679.D

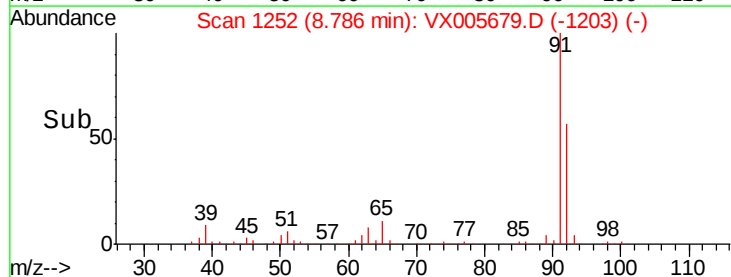
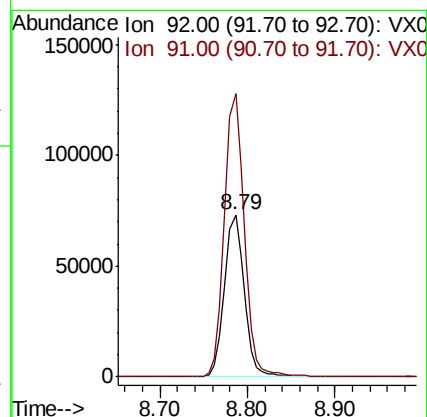
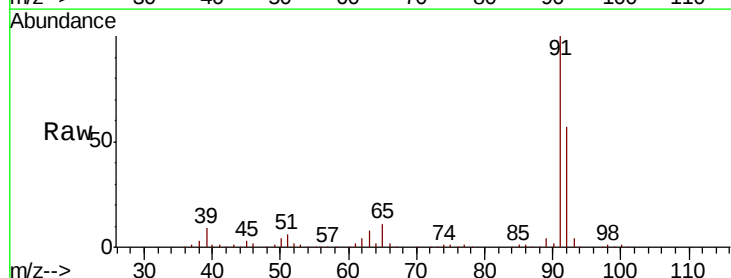
Acq: 30 Oct 2018 00:30

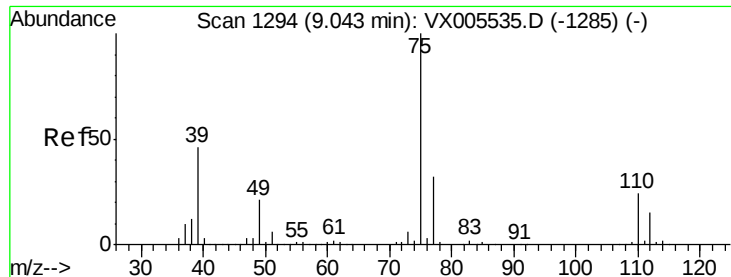
Tgt Ion: 92 Resp: 115495

Ion Ratio Lower Upper

92 100

91 175.7 140.4 210.6





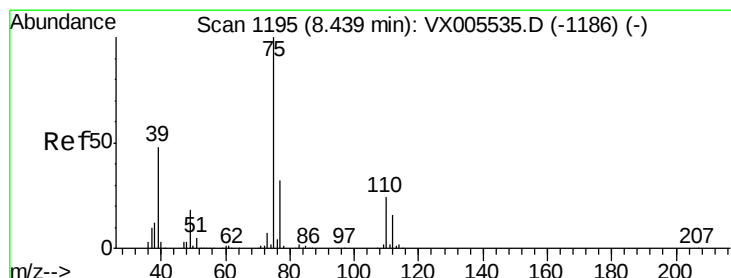
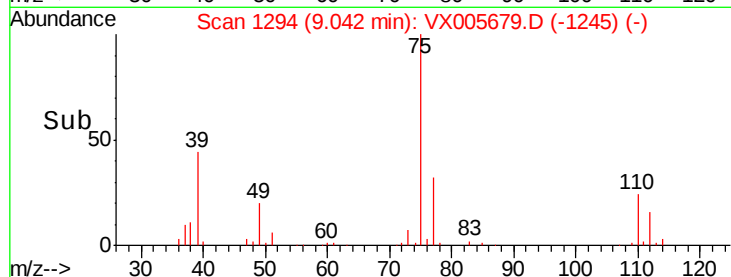
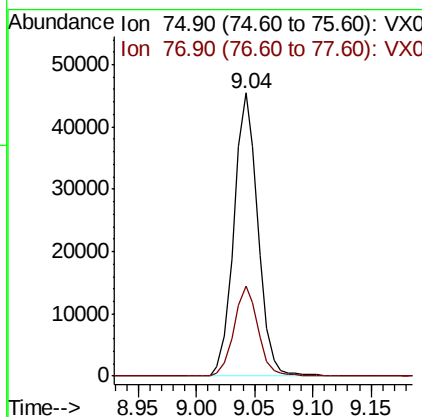
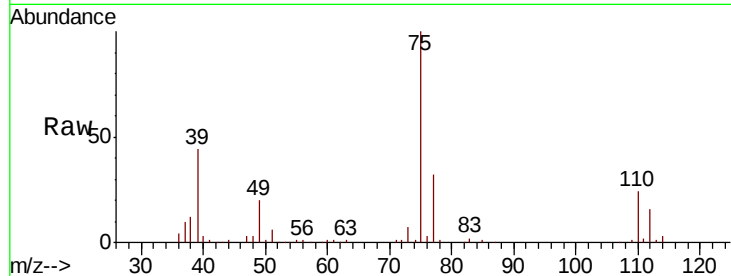
#53
 t-1,3-Dichloropropene
 Concen: 17.874 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005679.D
 Acq: 30 Oct 2018 00:30

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1029WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

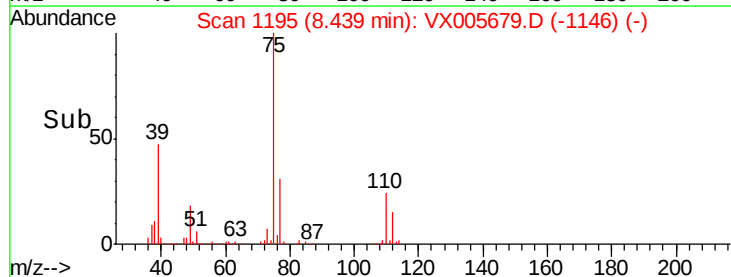
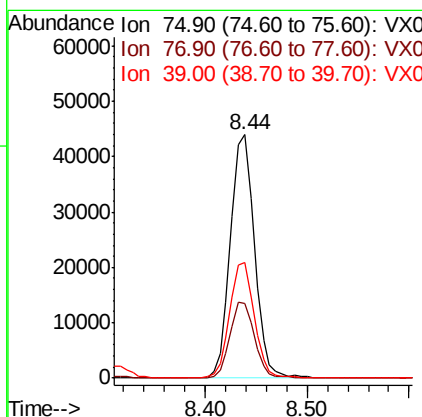
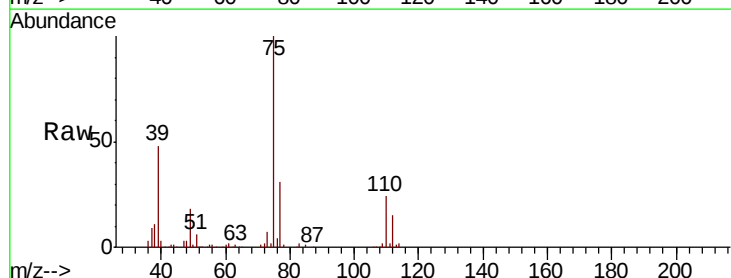
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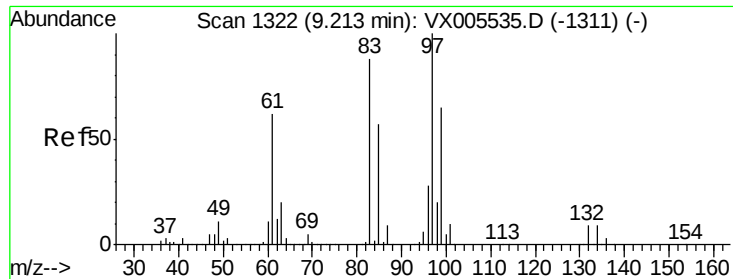
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#54
 cis-1,3-Dichloropropene
 Concen: 18.285 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX005679.D
 Acq: 30 Oct 2018 00:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.2	37.8
39	47.4	38.2	57.2





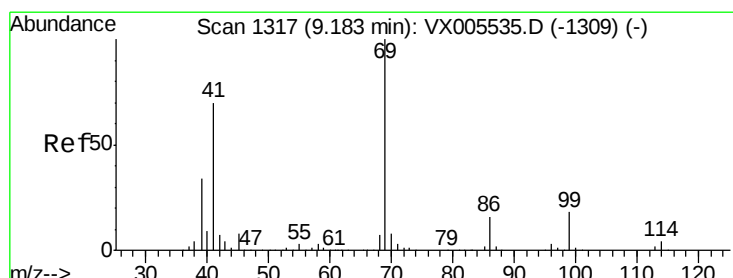
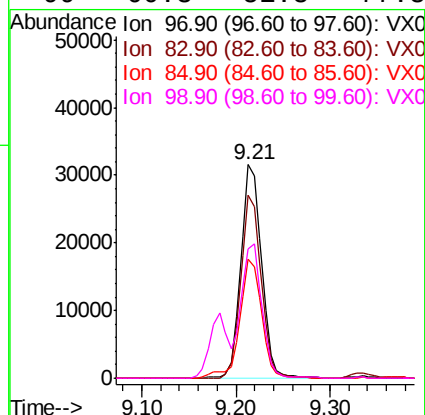
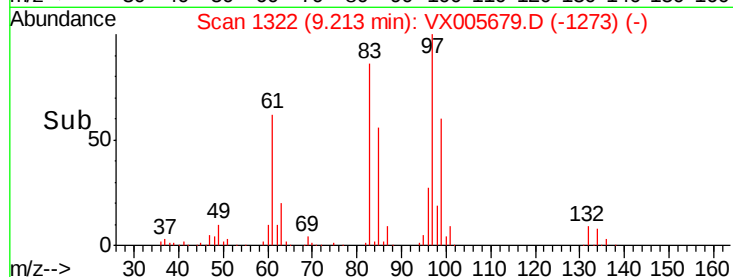
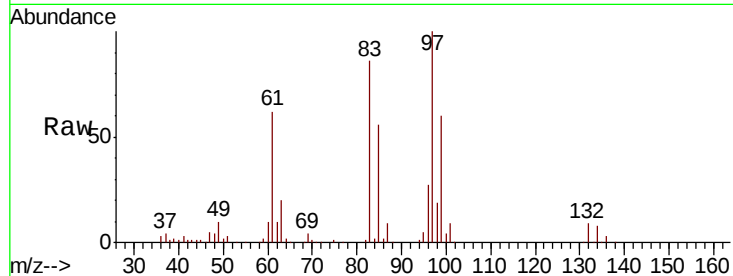
#55
 1,1,2-Trichloroethane
 Concen: 18.842 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005679.D
 Acq: 30 Oct 2018 00:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD02

Tot Ion:	97	Resp:	48441
Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.7	106.1
85	56.0	45.8	68.6
99	60.3	51.8	77.8

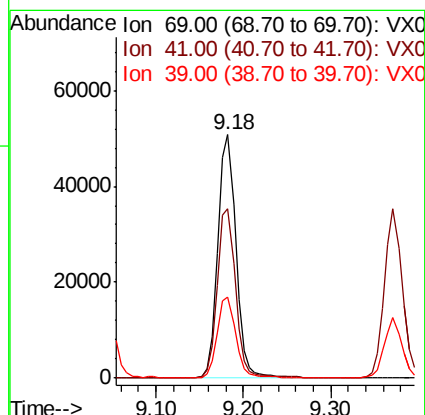
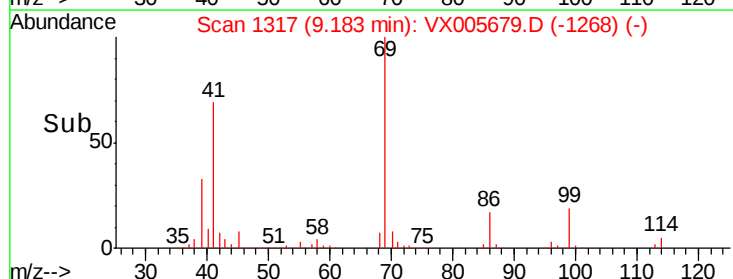
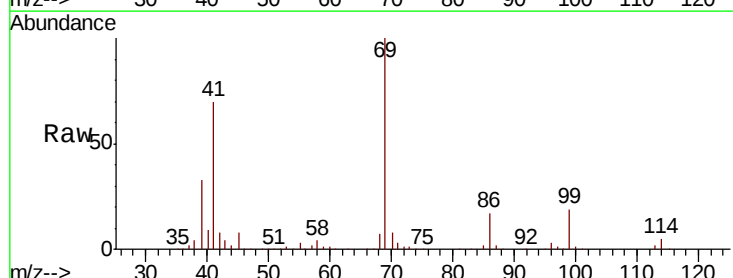
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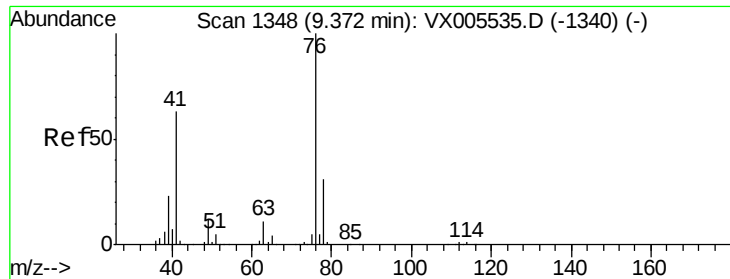
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#56
 Ethyl methacrylate
 Concen: 19.042 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005679.D
 Acq: 30 Oct 2018 00:30

Tgt Ion:	69	Resp:	73020
Ion	Ratio	Lower	Upper
69	100		
41	69.8	57.0	85.6
39	33.5	28.3	42.5





#57

1,3-Dichloropropane

Concen: 18.467 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD02

Tot Ion: 76 Resp: 80333

Ion Ratio Lower Upper

76 100

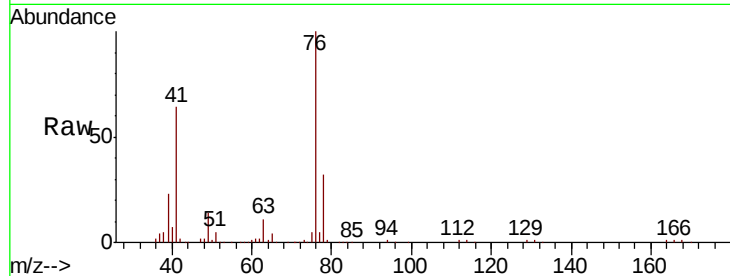
78 32.4 25.3 37.9

Manual Integrations

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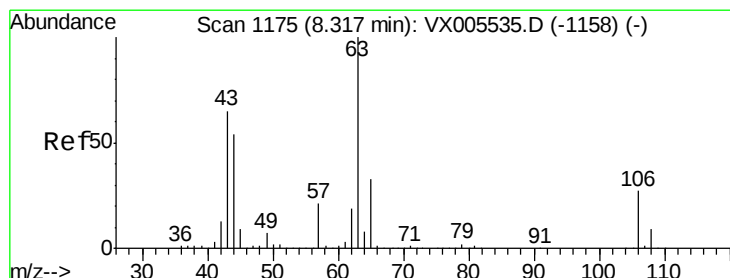
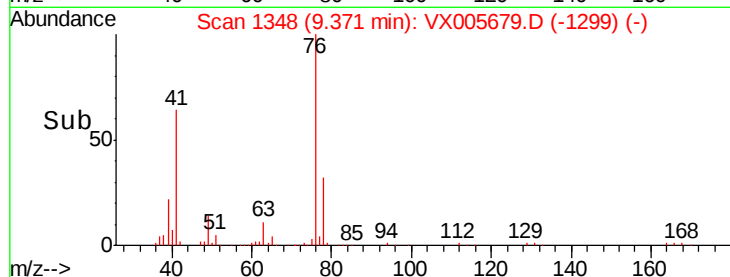
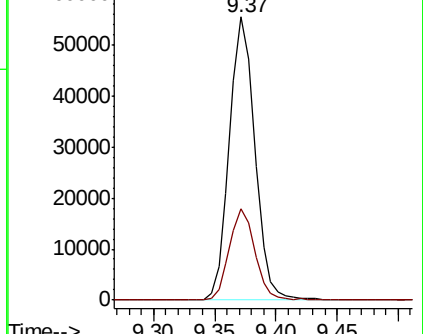
MMDadoda

10/30/2018 11:11:29 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 95.367 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005679.D

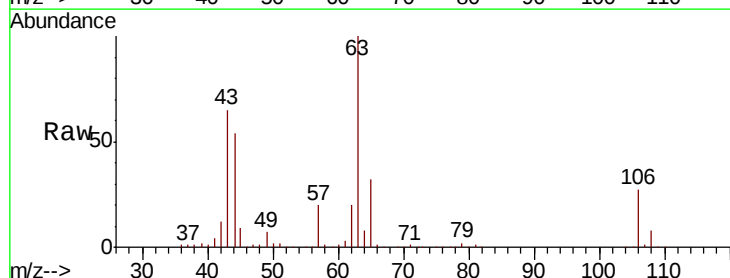
Acq: 30 Oct 2018 00:30

Tgt Ion: 63 Resp: 204247

Ion Ratio Lower Upper

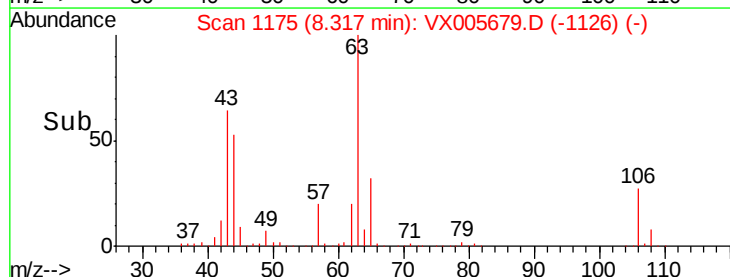
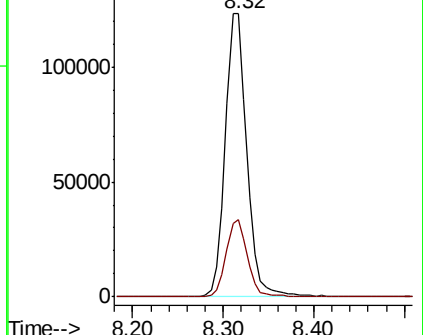
63 100

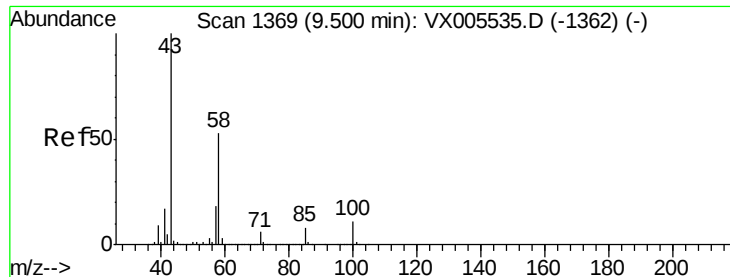
106 27.0 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





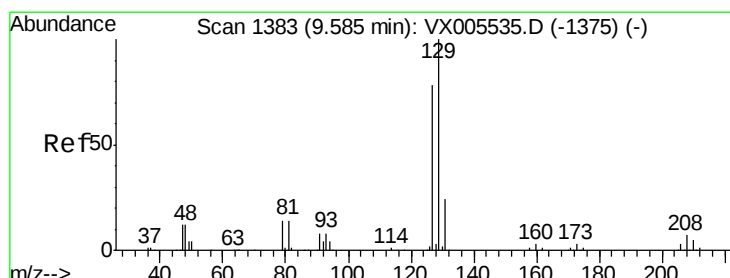
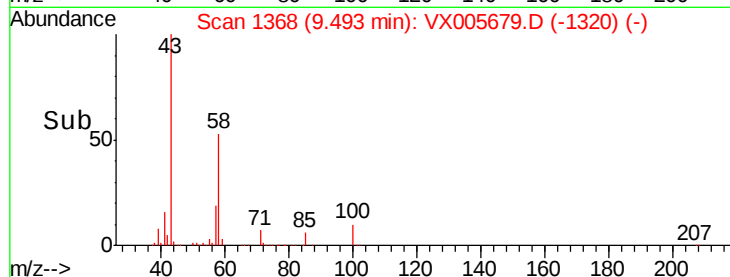
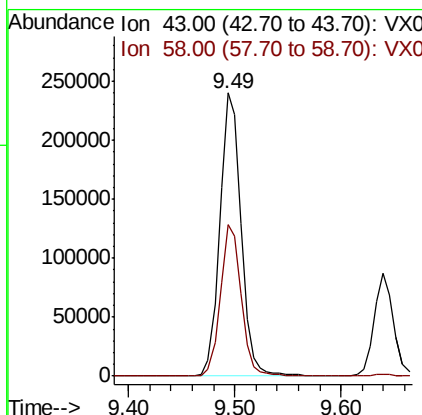
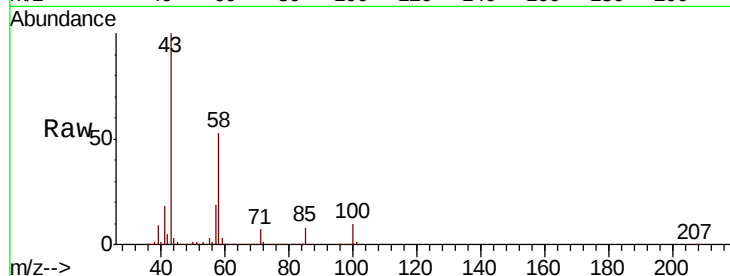
#59
2-Hexanone
Concen: 94.228 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD02

Tot Ion: 43 Resp: 334181
Ion Ratio Lower Upper
43 100
58 52.7 25.9 77.8

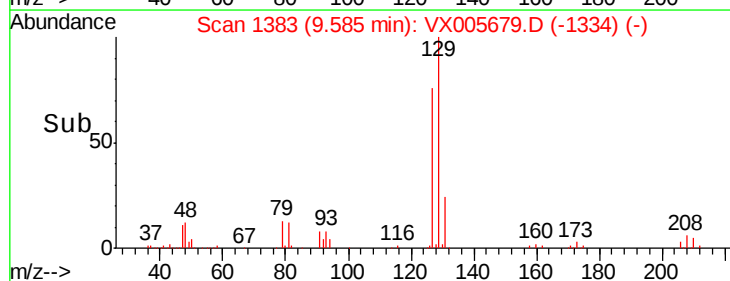
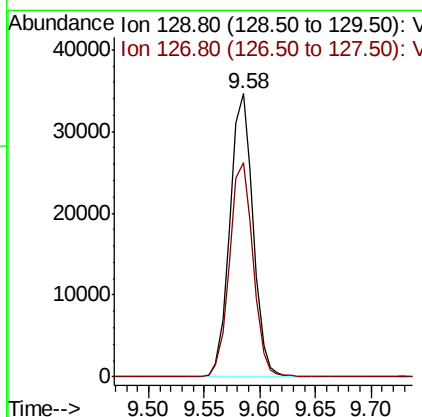
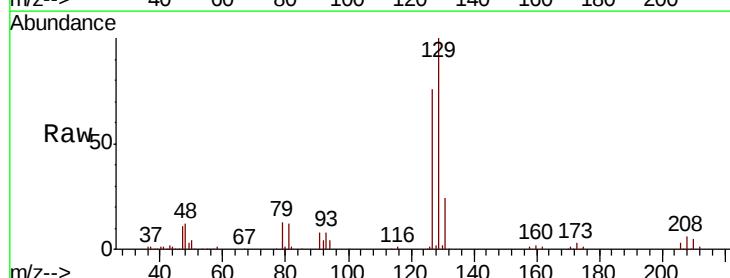
Manual Integrations
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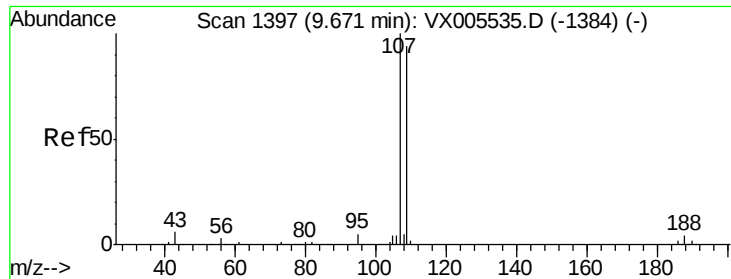
MMDadoda
10/30/2018 11:11:29 AM



#60
Dibromochloromethane
Concen: 18.640 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Tgt Ion: 129 Resp: 49998
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.066 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD02

Tot Ion:107 Resp: 50709

Ion Ratio Lower Upper

107 100

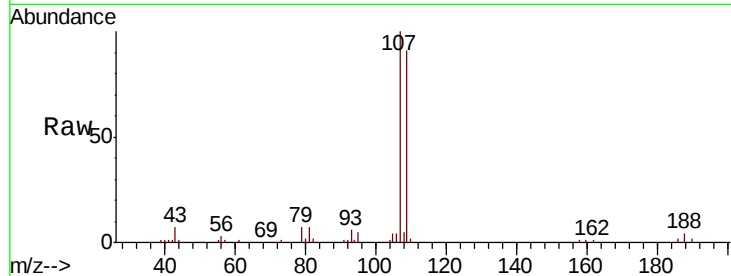
109 94.6 75.7 113.5

Manual Integrations

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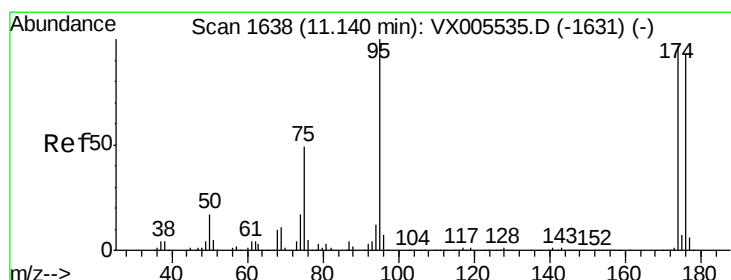
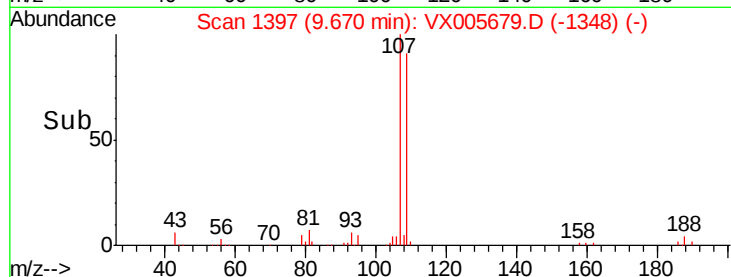
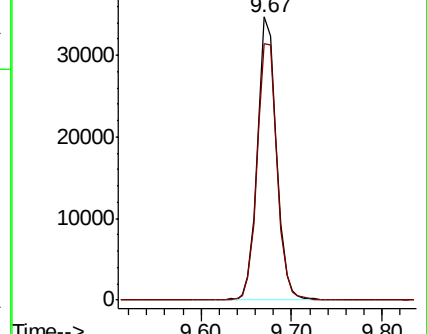
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.189 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

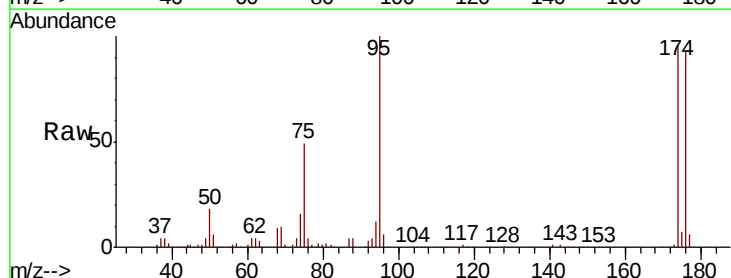
Tgt Ion: 95 Resp: 153062

Ion Ratio Lower Upper

95 100

174 92.8 0.0 184.4

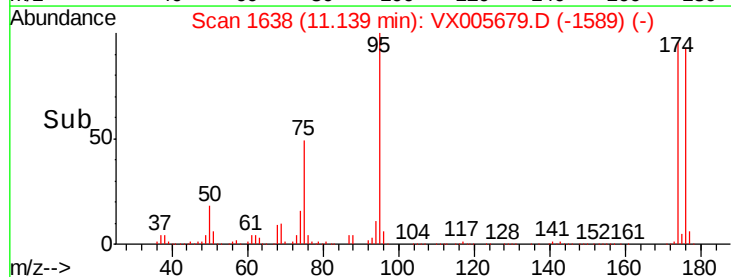
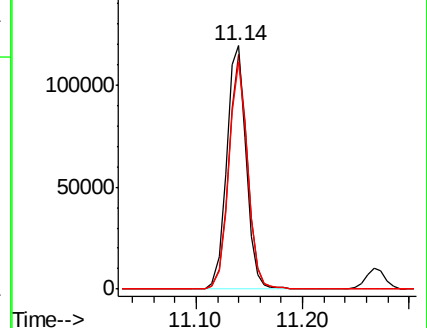
176 90.6 0.0 177.4

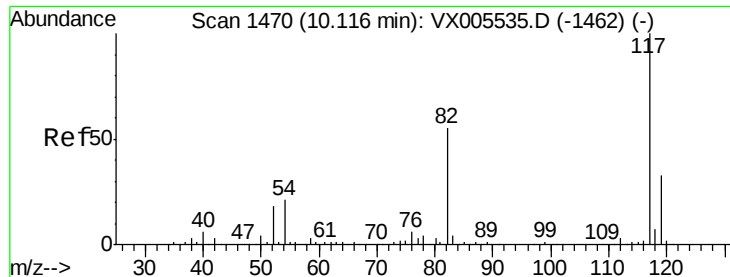


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

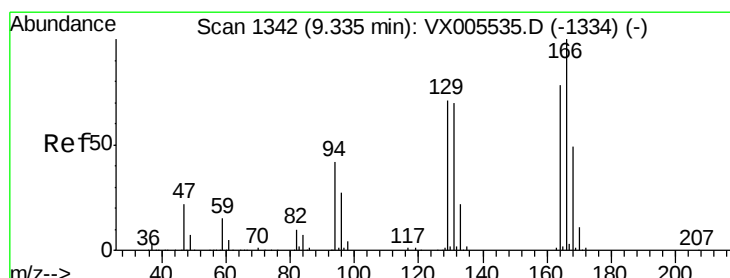
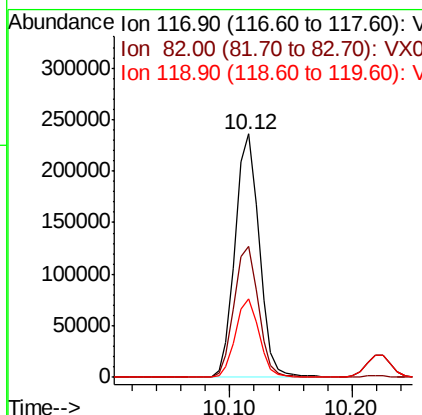
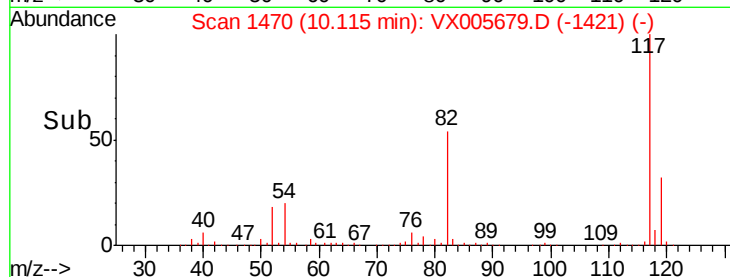
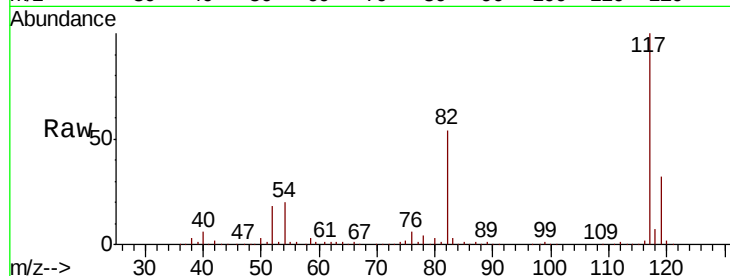
ClientSampleId :

VX1029WBSD02

Tot Ion:	117	Resp:	322275
Ion Ratio	Lower	Upper	
117	100		
82	53.9	44.1	66.1
119	32.1	26.2	39.2

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#64

Tetrachloroethene

Concen: 19.708 ug/l

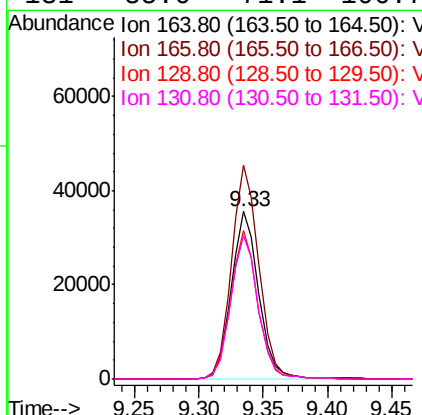
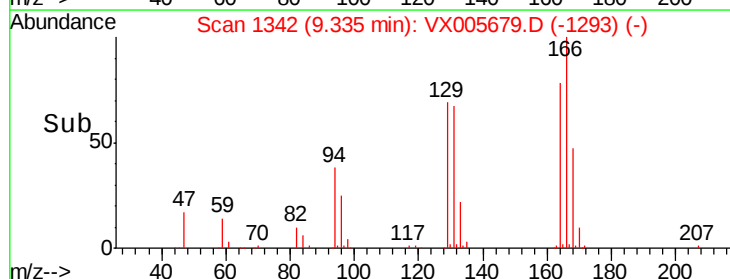
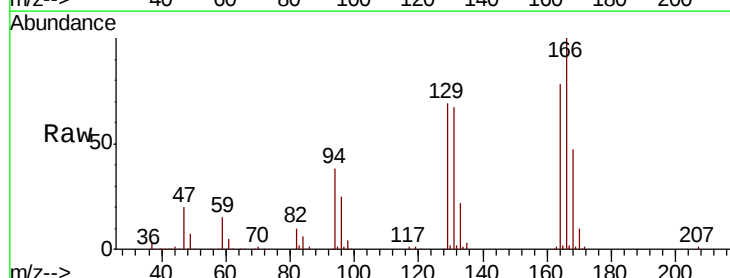
RT: 9.33 min Scan# 1342

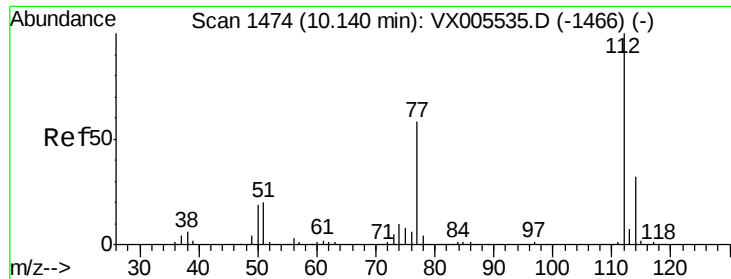
Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Tgt Ion:	164	Resp:	52726
Ion Ratio	Lower	Upper	
164	100		
166	127.7	101.9	152.9
129	88.4	72.6	109.0
131	85.6	71.1	106.7





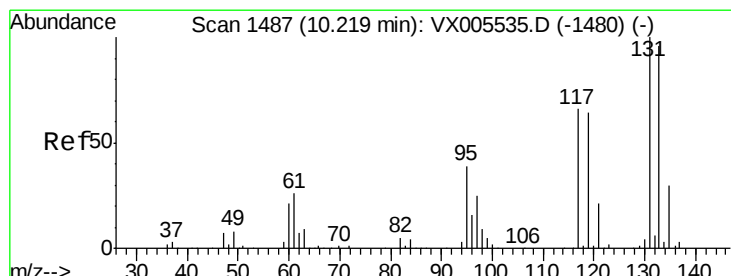
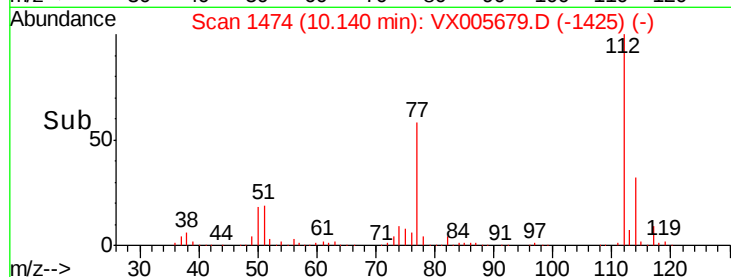
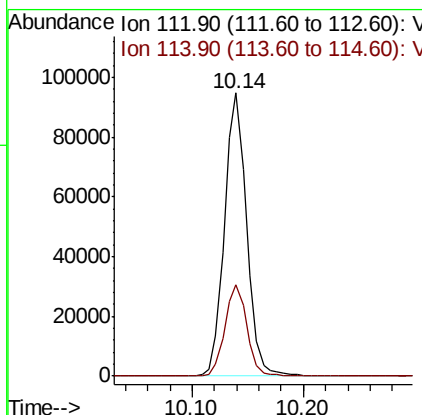
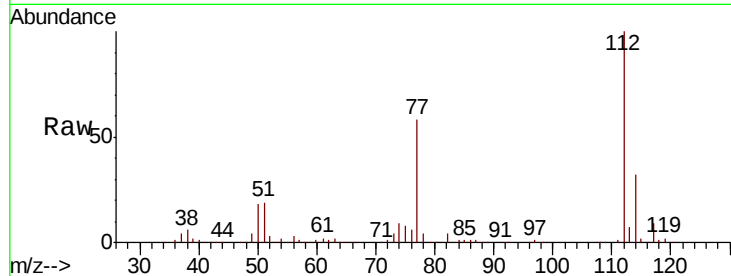
#65
Chlorobenzene
Concen: 18.994 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD02

Tot Ion:112 Resp: 130349
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6

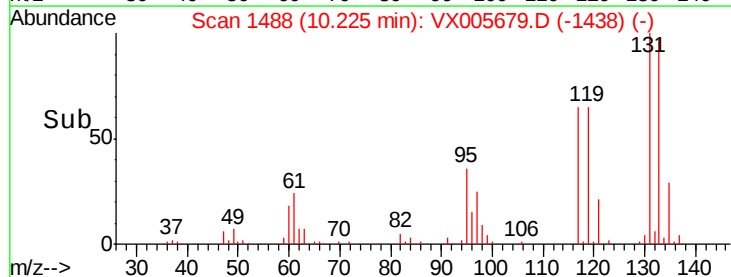
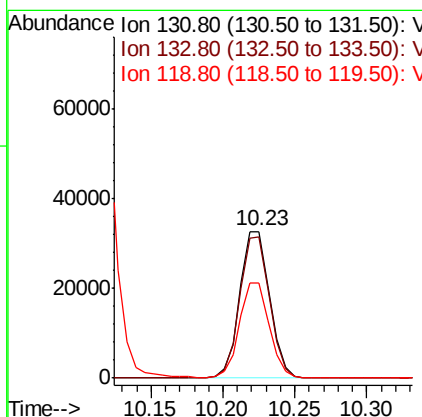
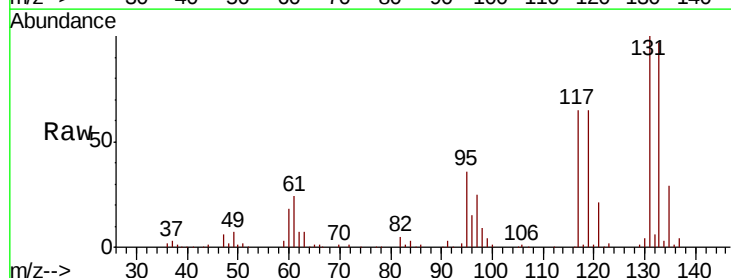
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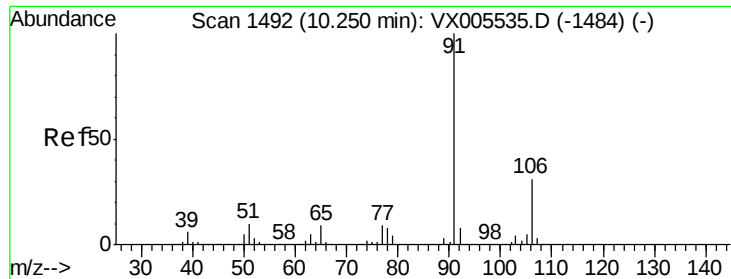
MMDadoda
10/30/2018 11:11:29 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.869 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Tgt Ion:131 Resp: 47216
Ion Ratio Lower Upper
131 100
133 95.9 47.5 142.5
119 65.2 31.8 95.3





#67

Ethyl Benzene

Concen: 19.457 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD02

Tot Ion: 91 Resp: 219687

Ion Ratio Lower Upper

91 100

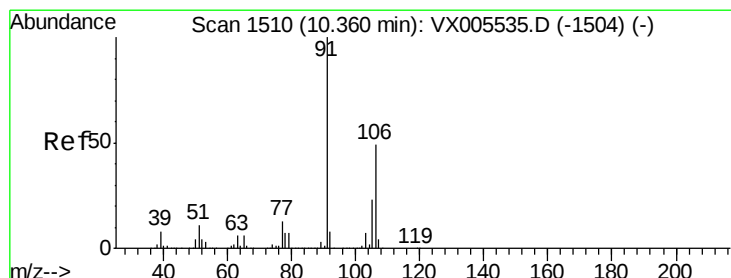
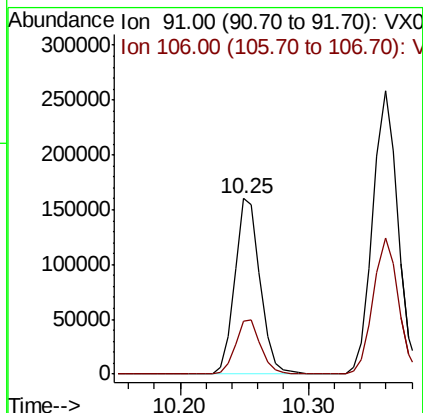
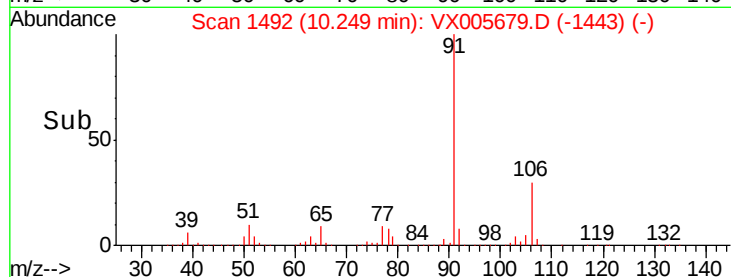
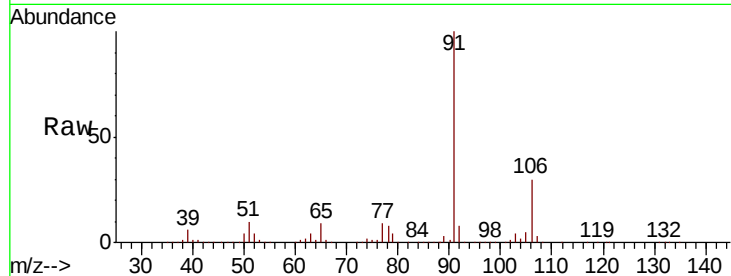
106 30.2 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.519 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005679.D

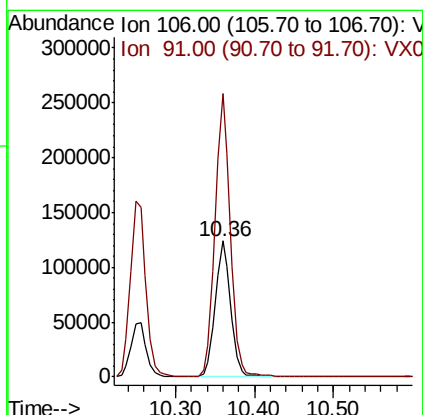
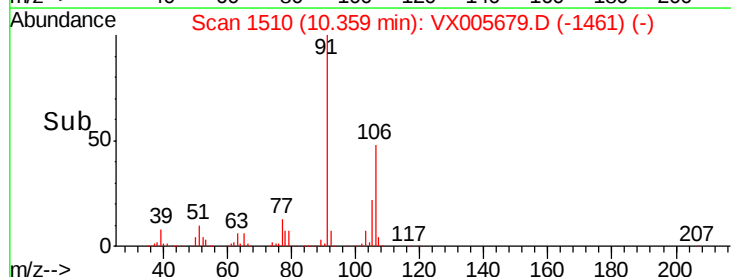
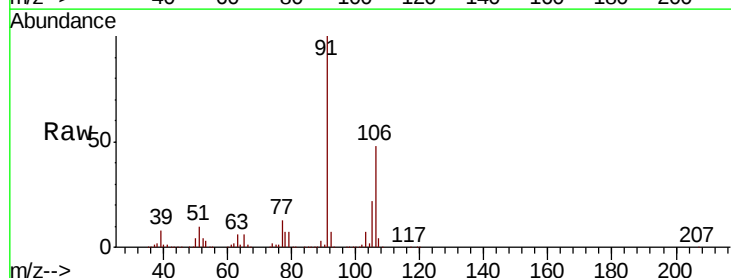
Acq: 30 Oct 2018 00:30

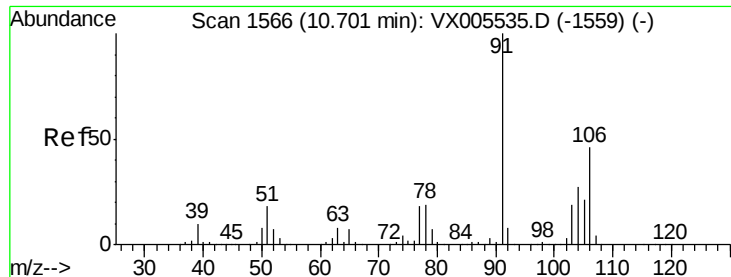
Tgt Ion: 106 Resp: 168737

Ion Ratio Lower Upper

106 100

91 206.7 164.2 246.4





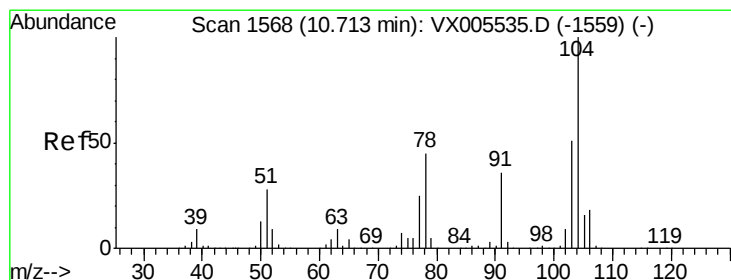
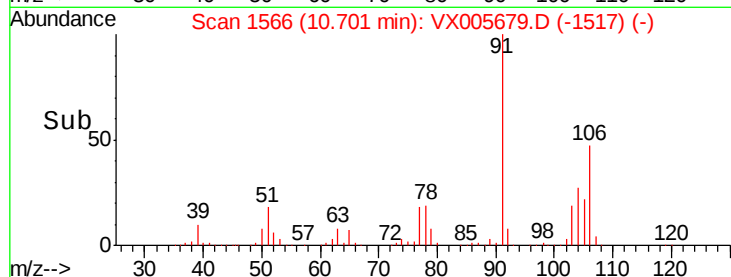
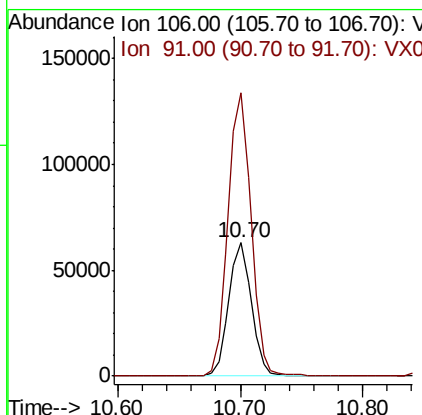
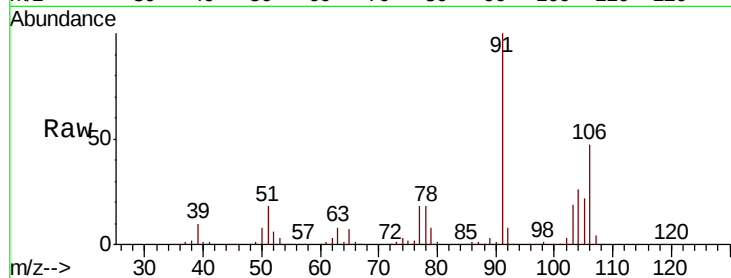
#69
o-Xylene
Concen: 19.581 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD02

Tot Ion:106 Resp: 80698
Ion Ratio Lower Upper
106 100
91 217.1 108.5 325.5

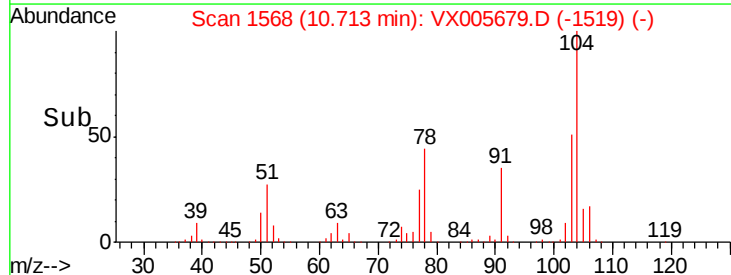
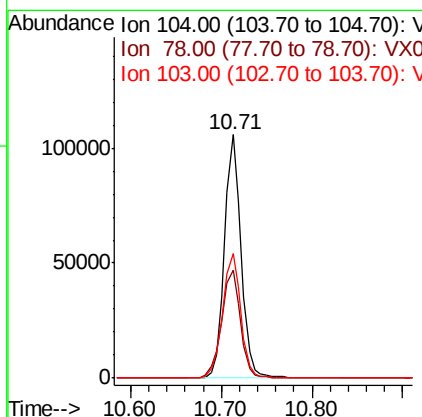
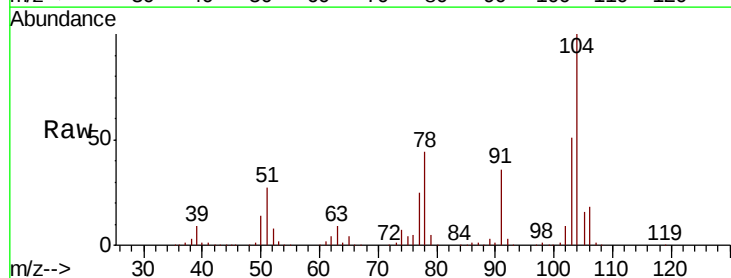
Manual Integrations
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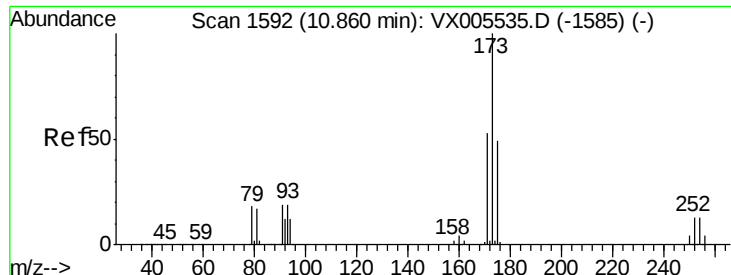
MMDadoda
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#70
Styrene
Concen: 19.614 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Tgt Ion:104 Resp: 135321
Ion Ratio Lower Upper
104 100
78 50.4 40.2 60.4
103 56.5 44.9 67.3





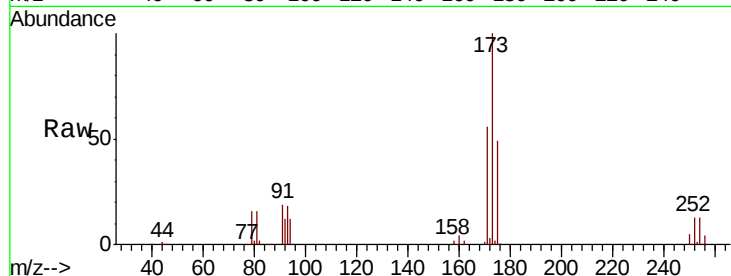
#71
Bromoform
Concen: 17.837 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.8	74.3
254	0.1	0.2	0.2#

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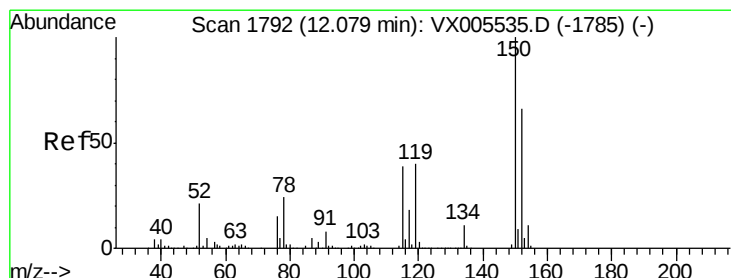
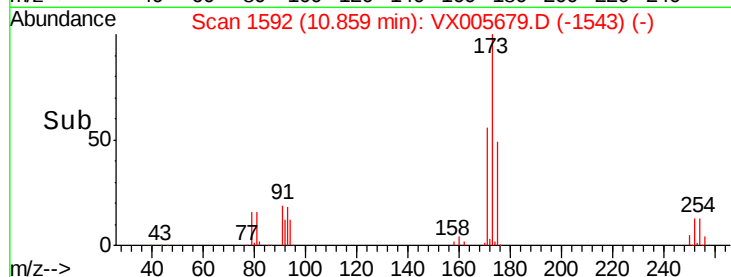
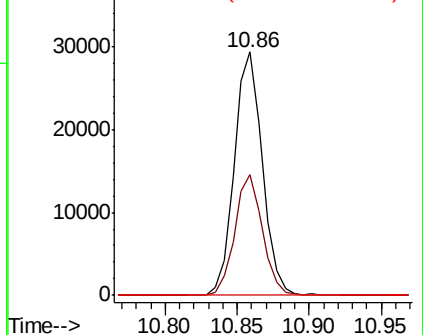


Abundance

Ion 172.70 (172.40 to 173.40): V

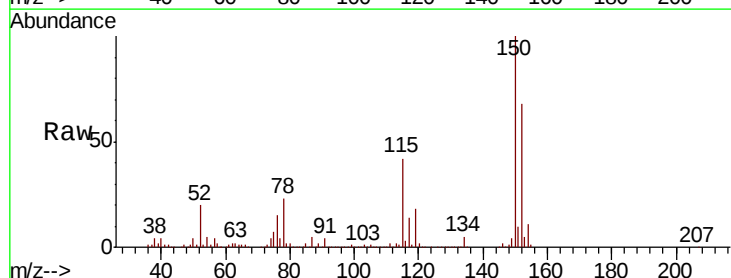
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.6	39.4	118.1
150	155.0	0.0	346.4

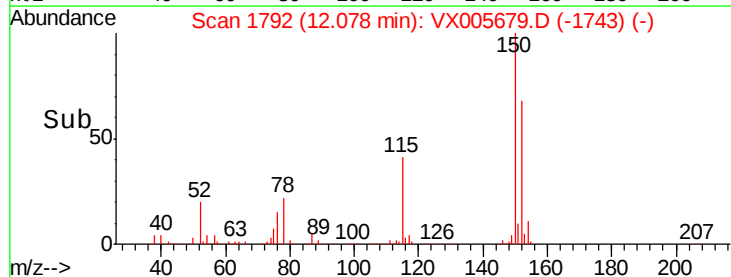
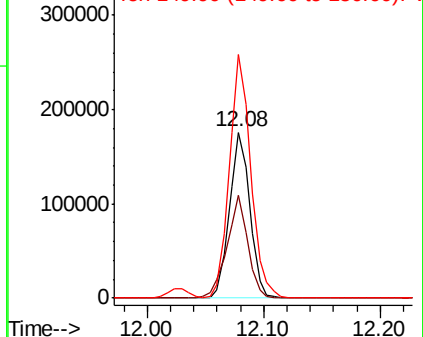


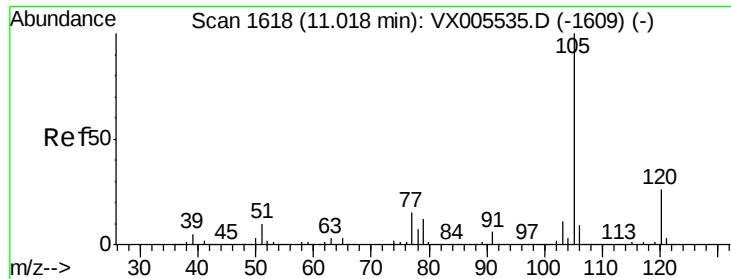
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.288 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD02

Tot Ion: 105 Resp: 225102

Ion Ratio Lower Upper

105 100

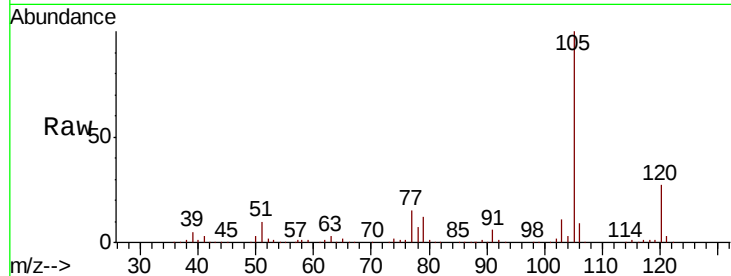
120 26.7 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

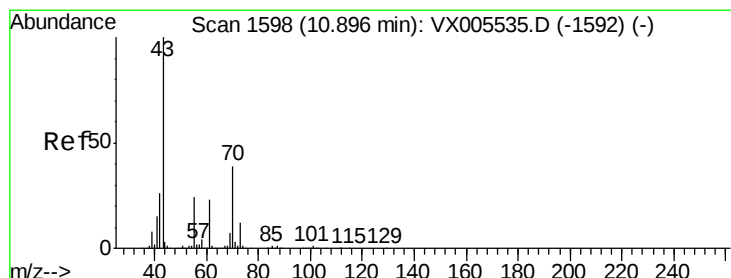
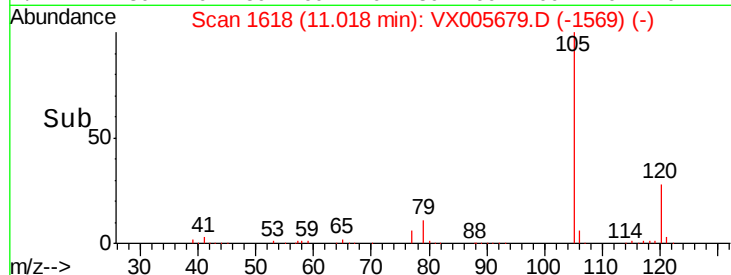
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 16.255 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Tgt Ion: 43 Resp: 104874

Ion Ratio Lower Upper

43 100

70 40.3 31.6 47.4

55 25.2 19.7 29.5

61 23.4 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

120000

100000

80000

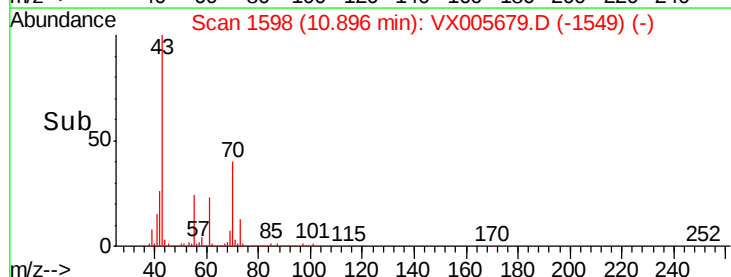
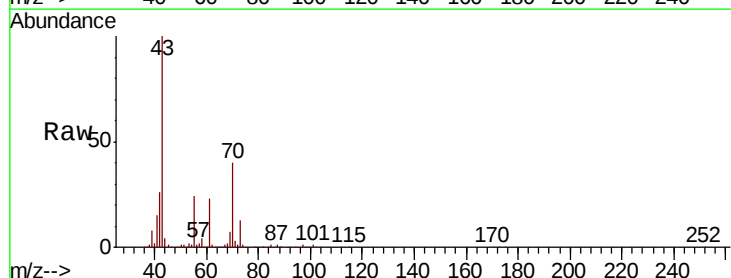
60000

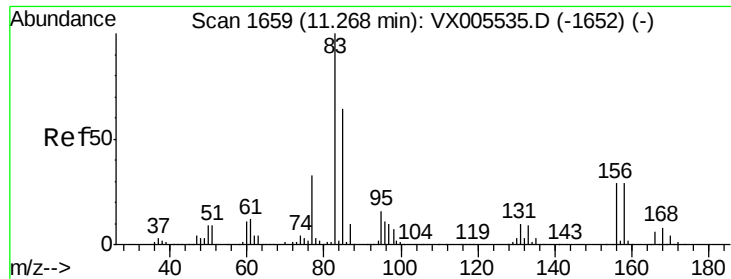
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.021 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

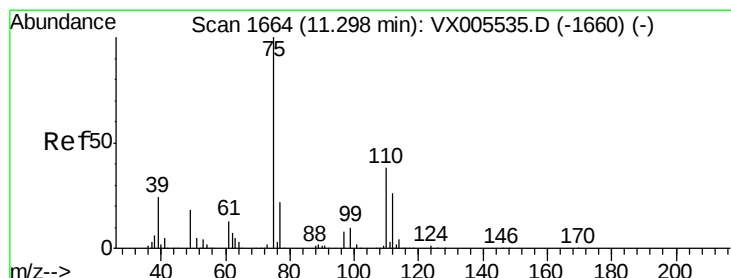
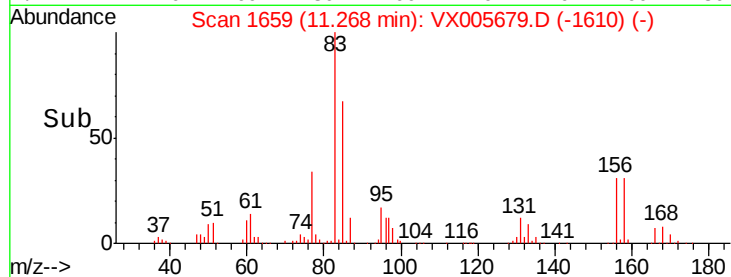
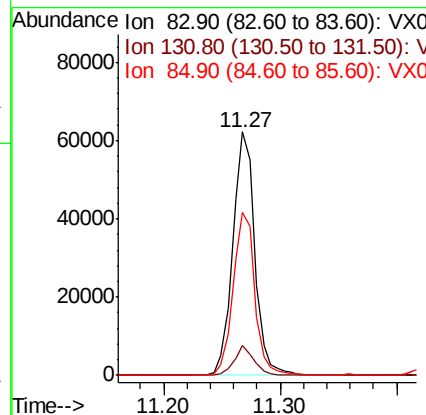
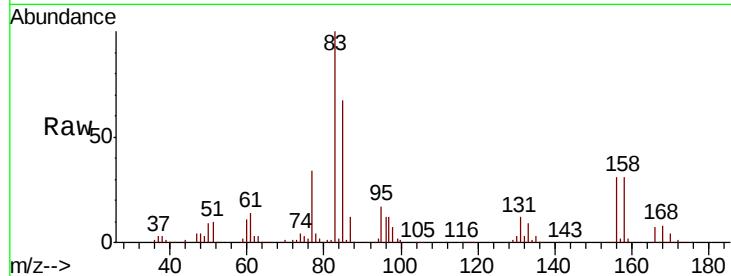
ClientSampleId :

VX1029WBSD02

Tot Ion:	83	Resp:	81762
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.9
85	66.4	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 14.229 ug/l m

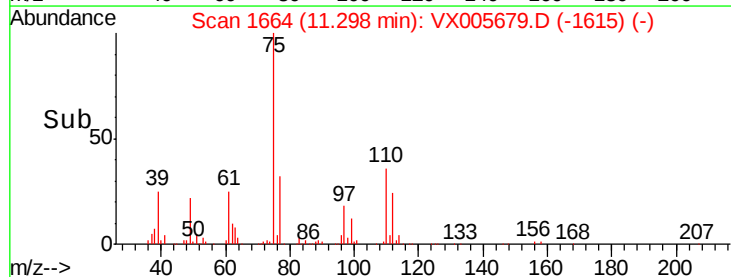
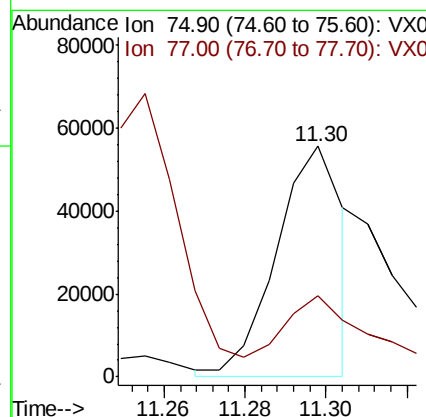
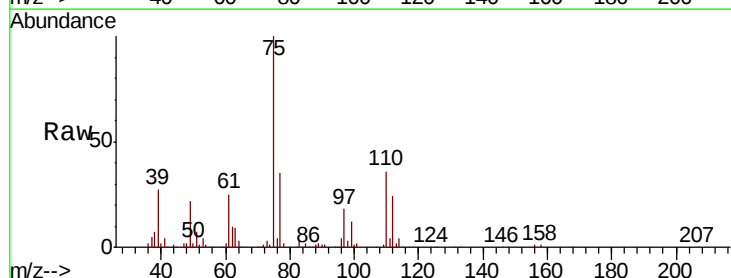
RT: 11.30 min Scan# 1664

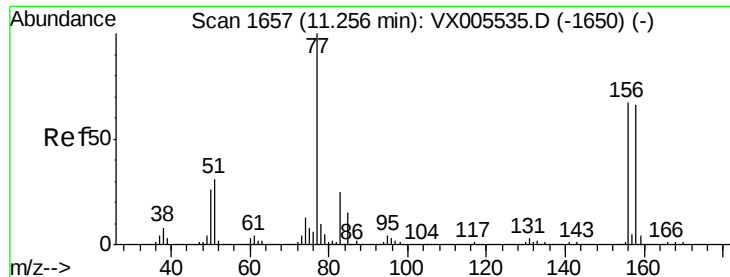
Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Tgt Ion:	75	Resp:	64217
Ion Ratio	Lower	Upper	
75	100		
77	47.1	20.5	61.6





#77

Bromobenzene

Concen: 17.002 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD02

Tot Ion:156 Resp: 61694

Ion Ratio Lower Upper

156 100

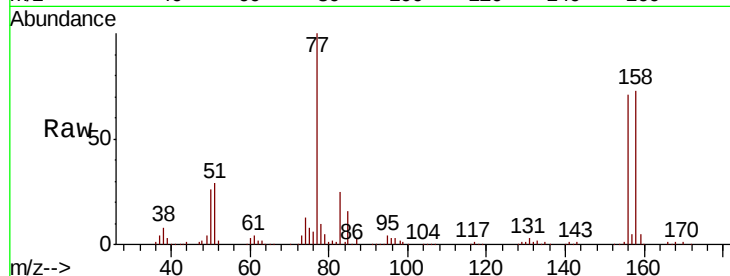
77 145.7 74.8 224.4

158 98.7 49.1 147.3

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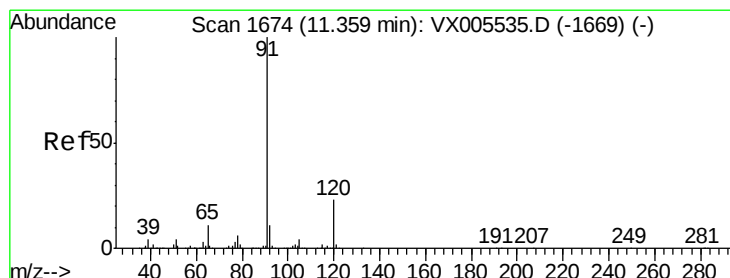
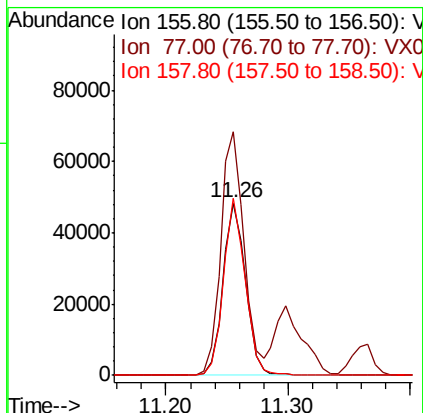
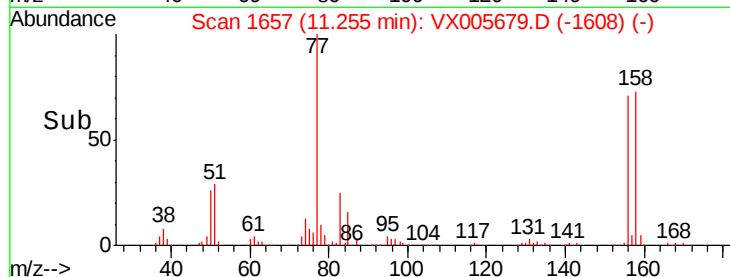
10/30/2018 11:11:29 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.417 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005679.D

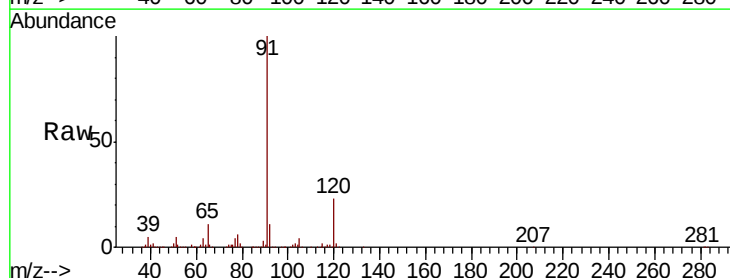
Acq: 30 Oct 2018 00:30

Tgt Ion: 91 Resp: 259307

Ion Ratio Lower Upper

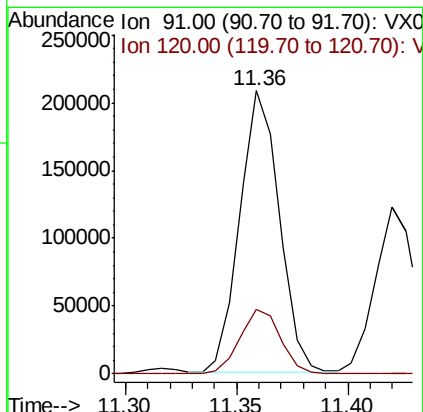
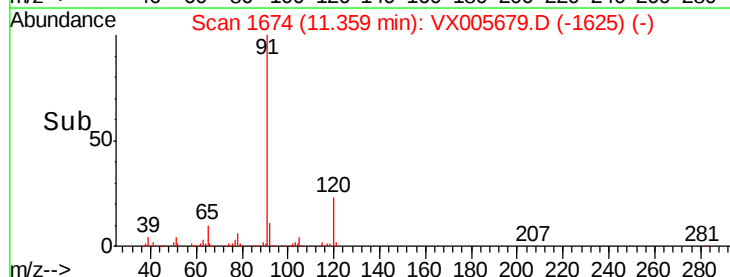
91 100

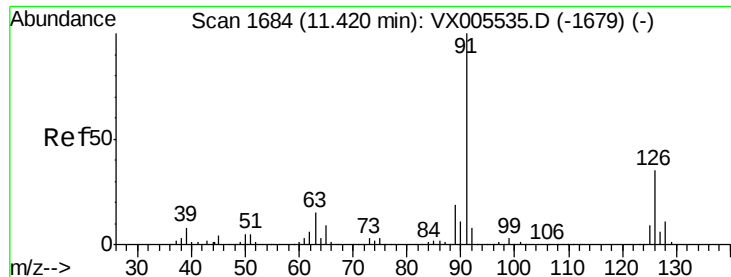
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 16.792 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD02

Tot Ion: 91 Resp: 155013

Ion Ratio Lower Upper

91 100

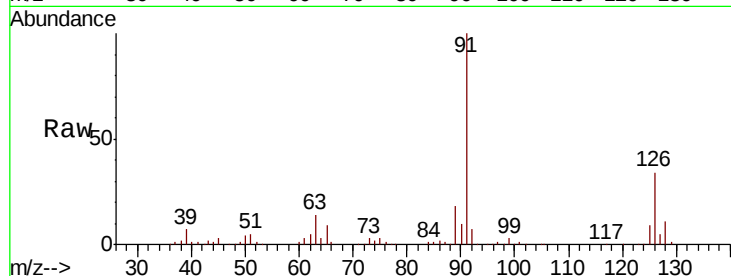
126 34.5 17.3 52.0

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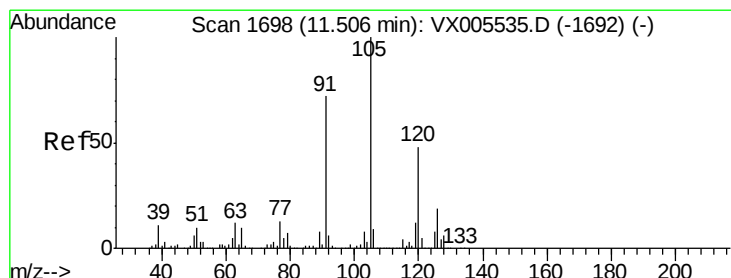
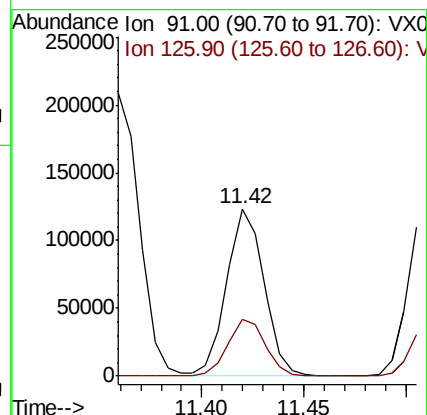
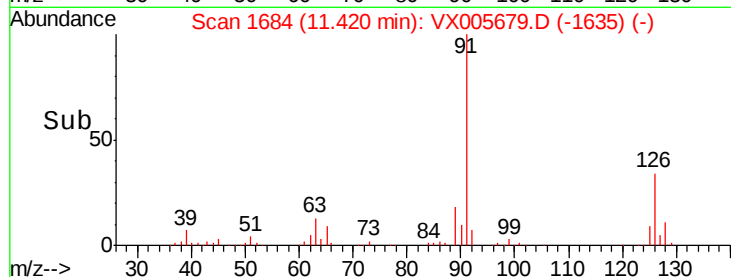
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Abundance Ion 91.00 (90.70 to 91.70): VX005535.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX005535.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 16.949 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005679.D

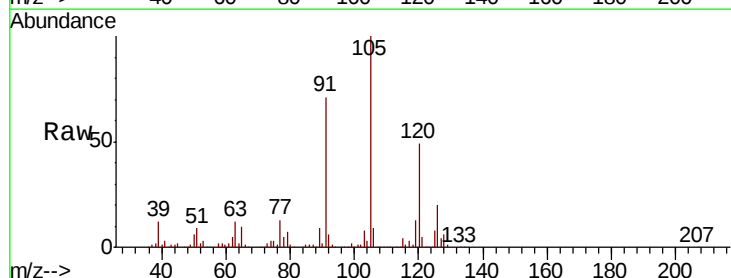
Acq: 30 Oct 2018 00:30

Tgt Ion: 105 Resp: 188788

Ion Ratio Lower Upper

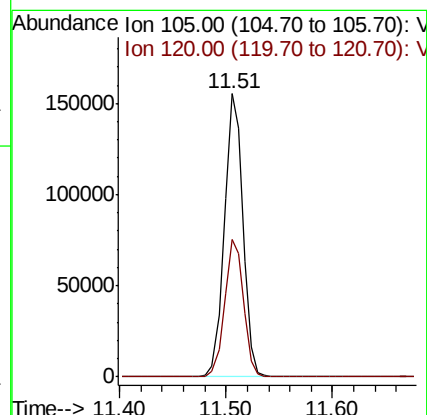
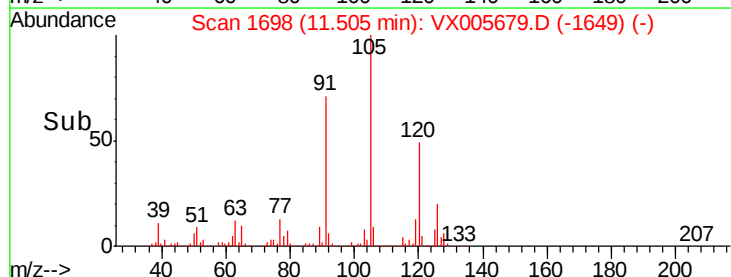
105 100

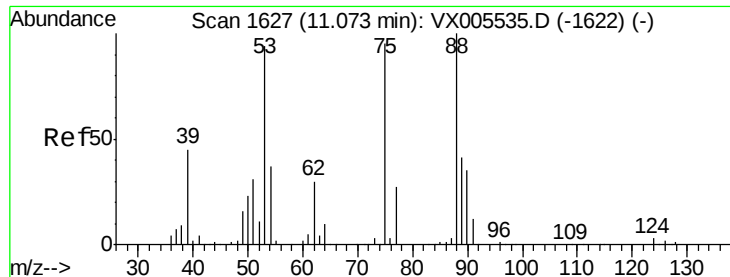
120 49.2 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005535.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005535.D (-1692) (-)





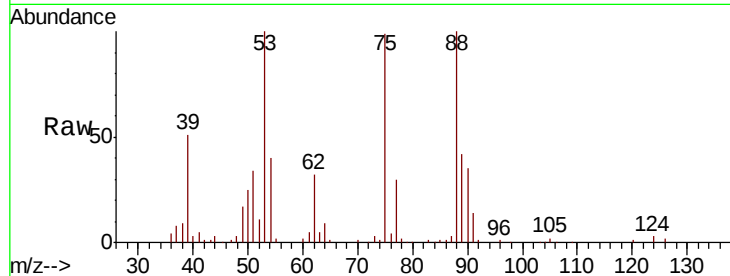
#81
trans-1,4-Dichloro-2-butene
Concen: 15.546 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD02

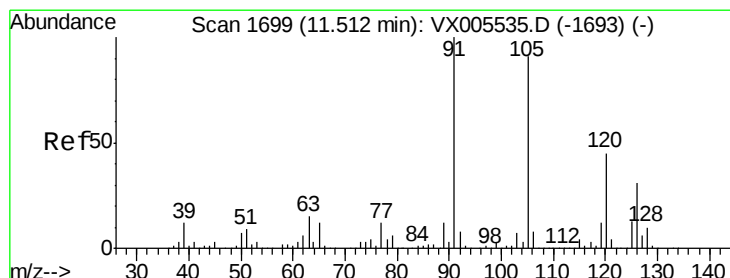
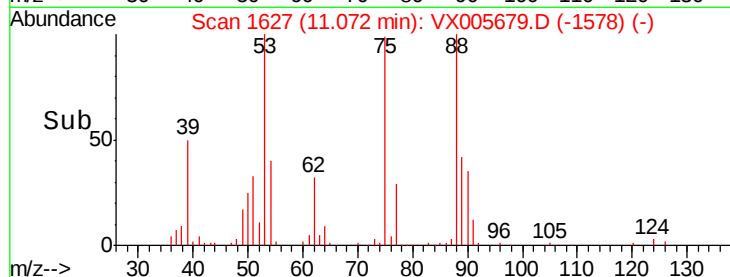
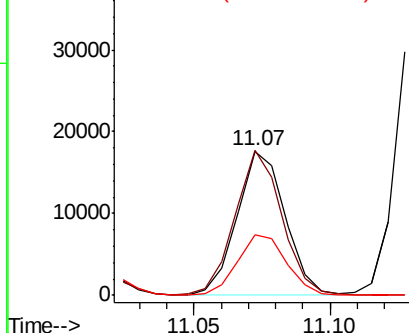
Tot Ion	Ratio	Lower	Upper
75	100		
53	98.8	80.2	120.2
89	43.6	39.8	59.8

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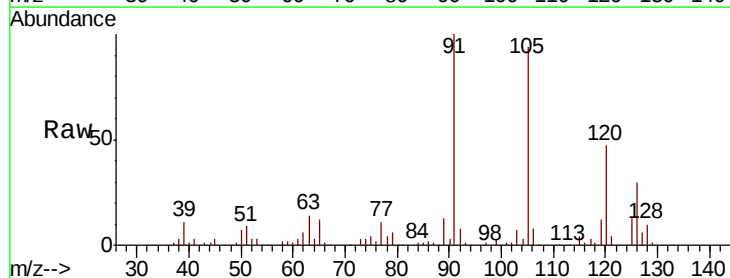


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

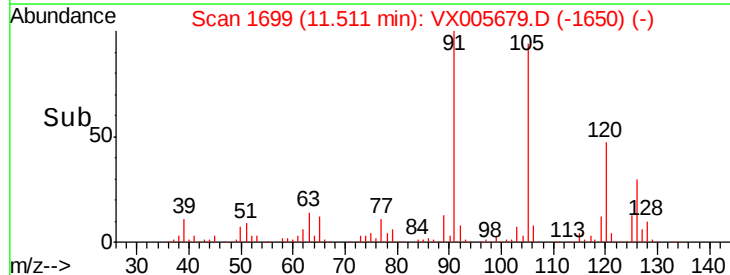
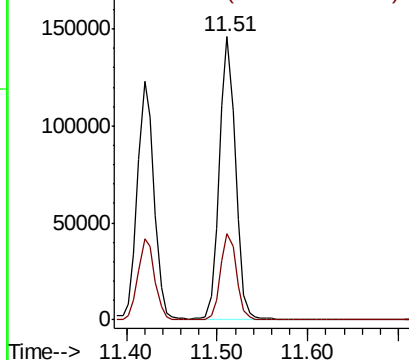


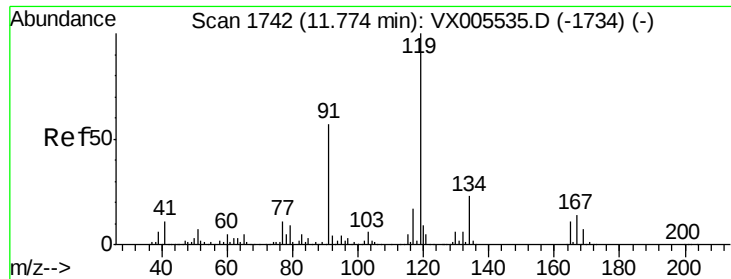
#82
4-Chlorotoluene
Concen: 16.795 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.2	45.6



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





#83

tert-Butylbenzene

Concen: 18.865 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

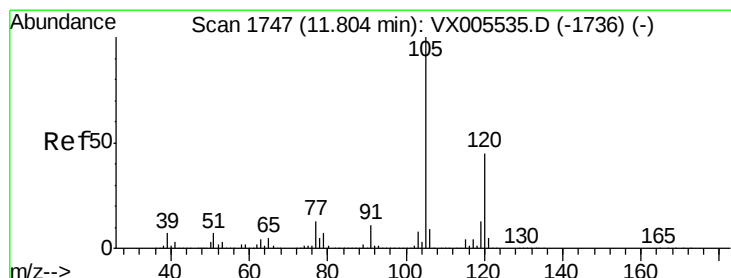
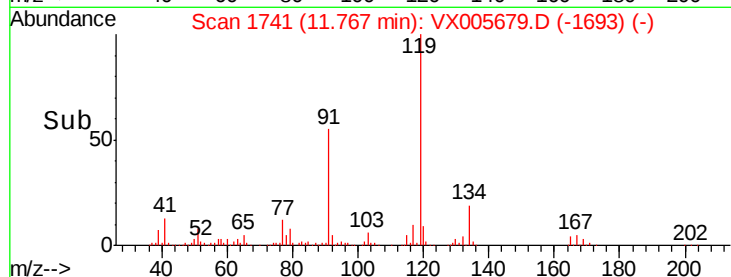
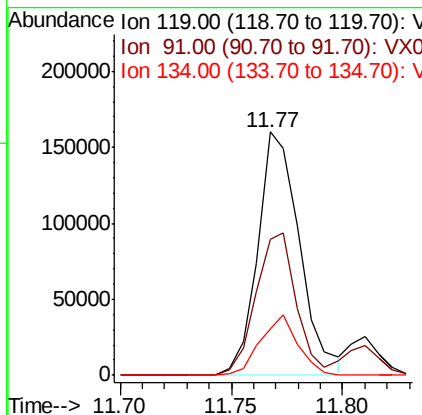
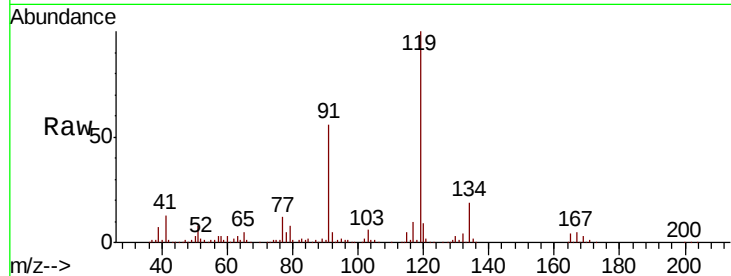
ClientSampleId :

VX1029WBSD02

Tot Ion:	119	Resp:	209449
Ion Ratio	Lower	Upper	
119	100		
91	56.4	28.5	85.5
134	22.5	11.3	33.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.615 ug/l

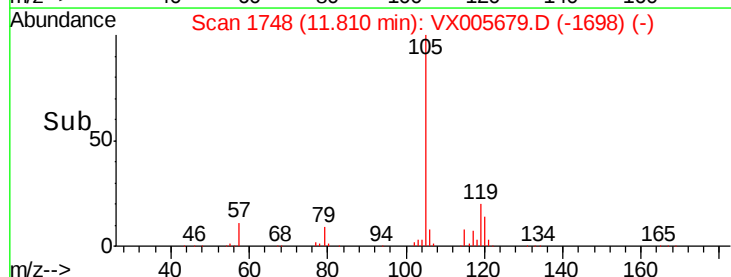
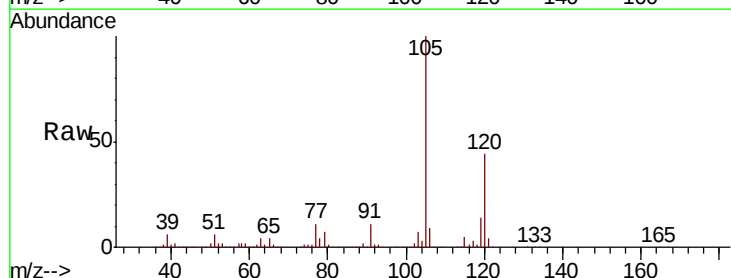
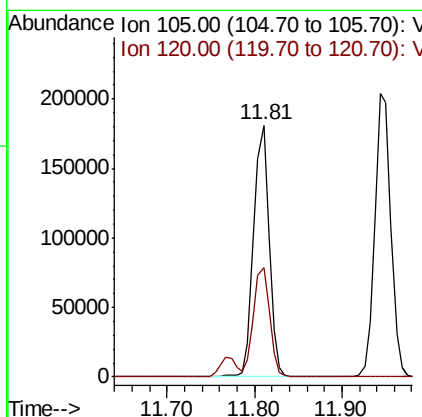
RT: 11.81 min Scan# 1748

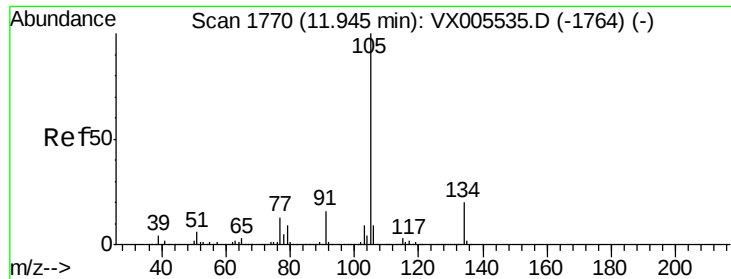
Delta R.T. 0.01 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Tgt Ion:	105	Resp:	221431
Ion Ratio	Lower	Upper	
105	100		
120	45.2	22.4	67.0





#85

sec-Butylbenzene

Concen: 19.793 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBSD02

Tot Ion:105 Resp: 262229

Ion Ratio Lower Upper

105 100

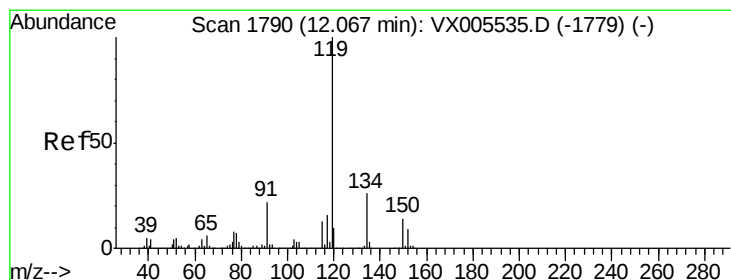
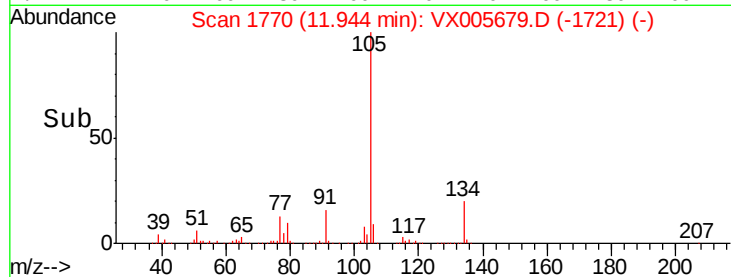
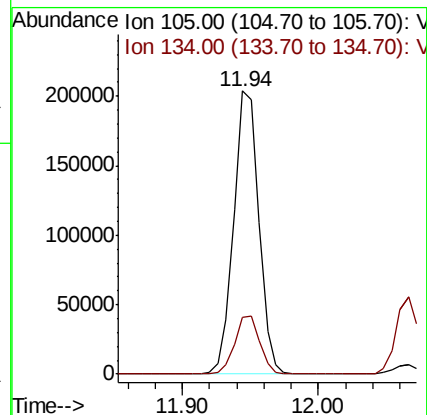
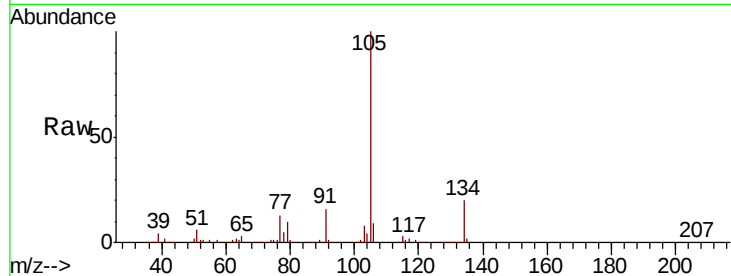
134 20.5 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 19.993 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

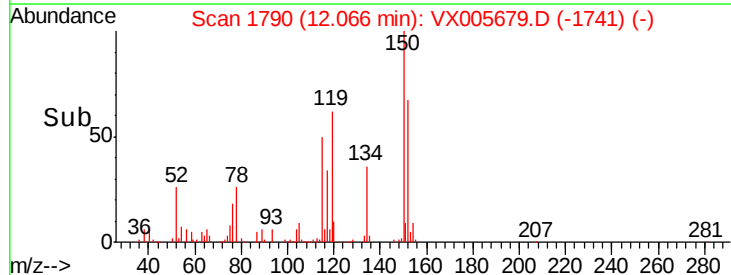
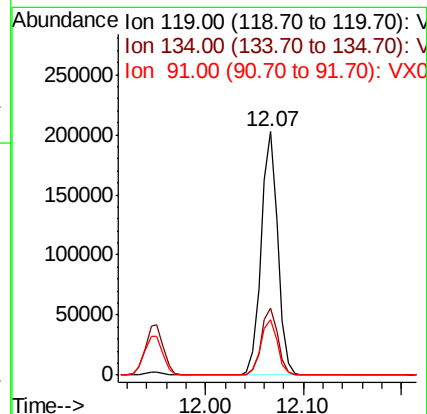
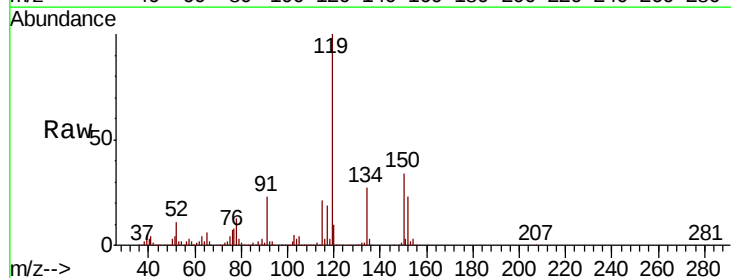
Tgt Ion:119 Resp: 236783

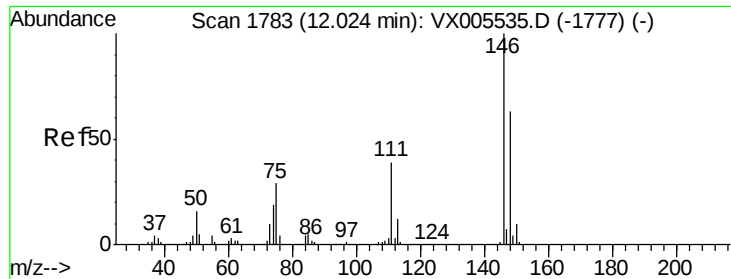
Ion Ratio Lower Upper

119 100

134 27.4 13.0 39.0

91 23.3 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 20.175 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Instrument :

MSVOA_X

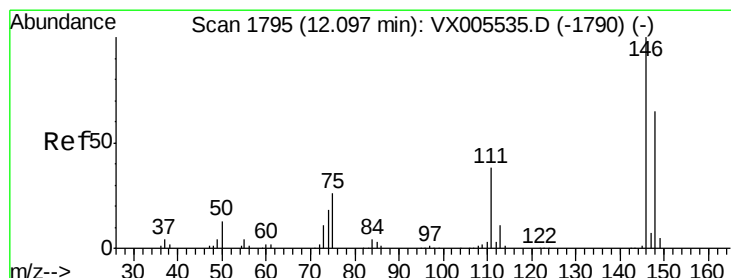
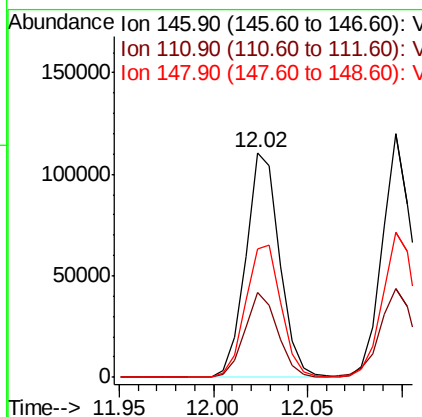
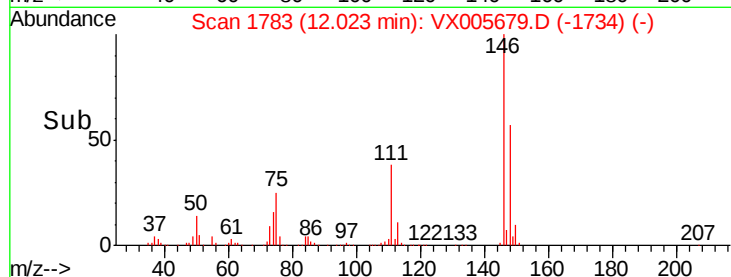
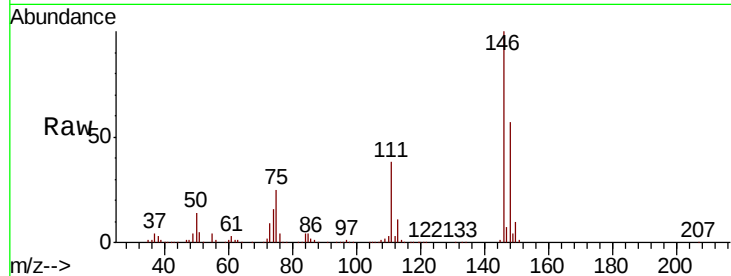
ClientSampleId :

VX1029WBSD02

Tot Ion:	146	Resp:	137664
Ion Ratio	Lower	Upper	
146	100		
111	36.8	19.0	57.0
148	61.8	31.9	95.9

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#88

1,4-Dichlorobenzene

Concen: 19.334 ug/l

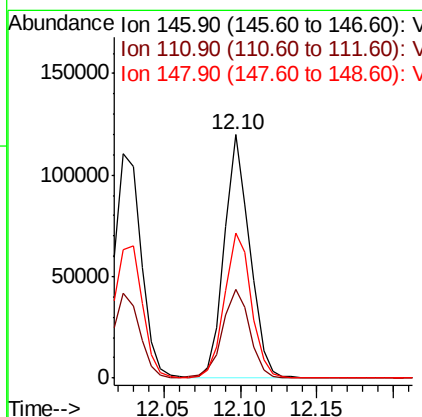
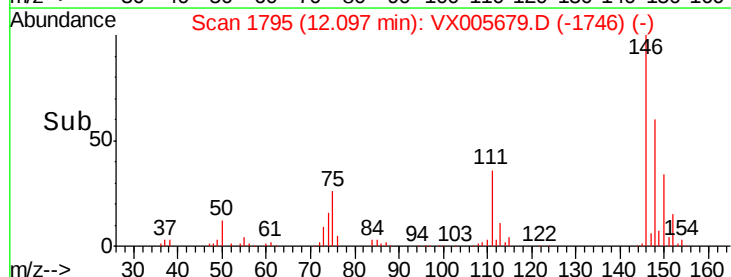
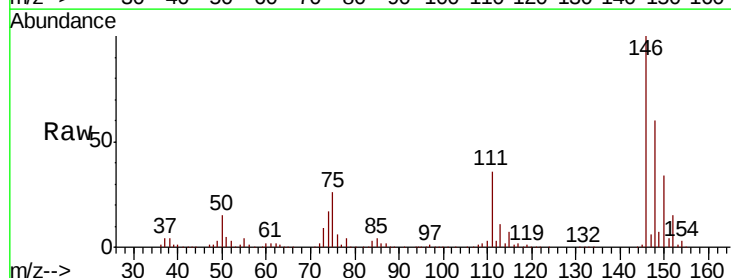
RT: 12.10 min Scan# 1795

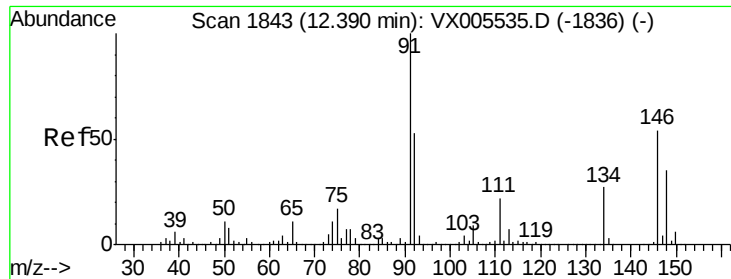
Delta R.T. -0.00 min

Lab File: VX005679.D

Acq: 30 Oct 2018 00:30

Tgt Ion:	146	Resp:	137713
Ion Ratio	Lower	Upper	
146	100		
111	39.5	18.6	55.8
148	63.4	32.1	96.3





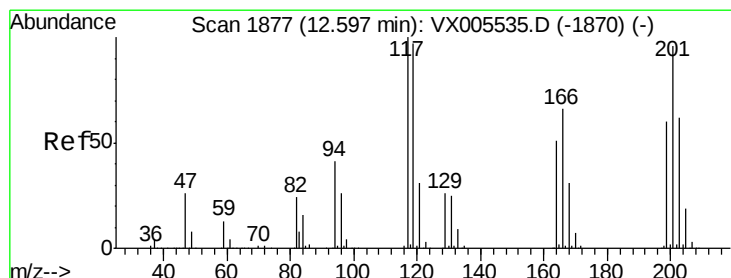
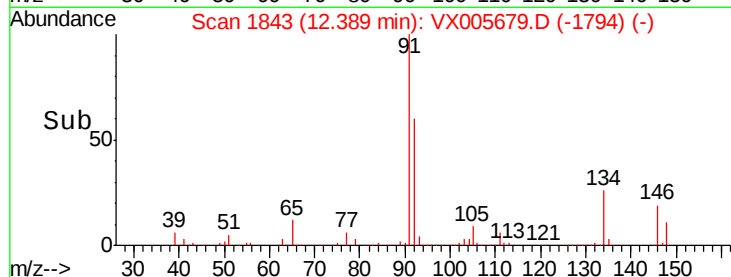
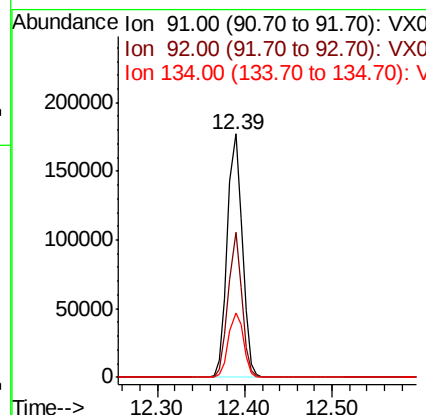
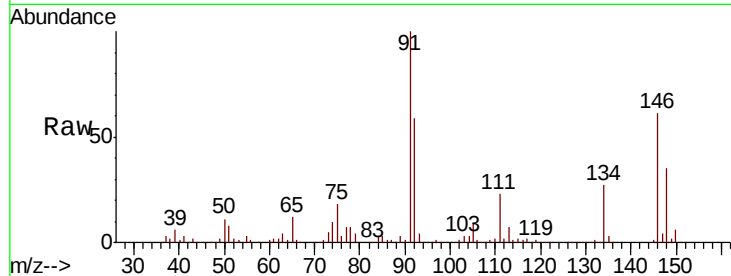
#89
n-Butylbenzene
Concen: 19.515 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.1	78.2
134	26.6	13.1	39.3

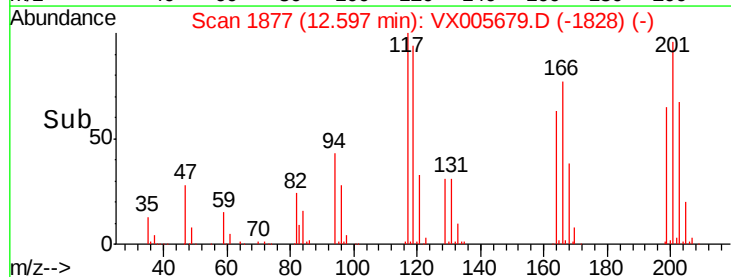
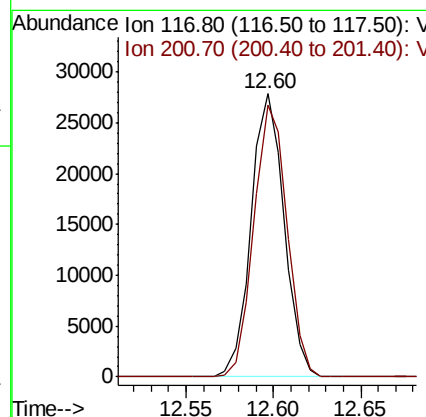
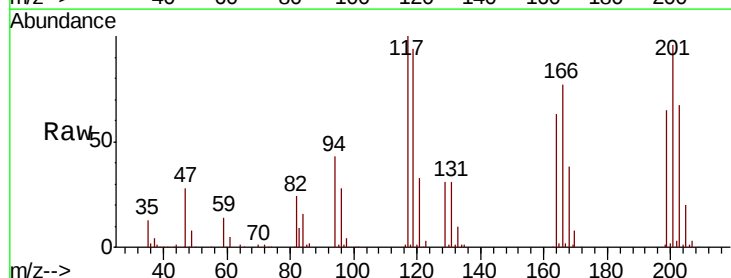
Manual Integrations
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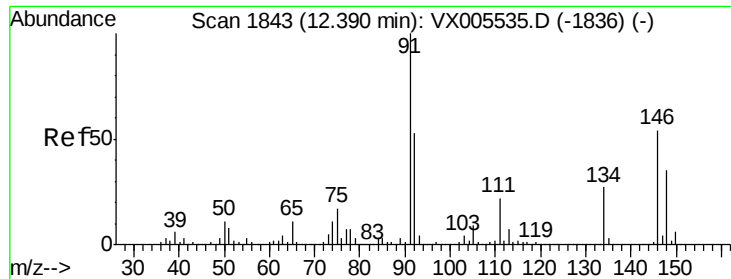
MMDadoda
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#90
Hexachloroethane
Concen: 17.843 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.9	47.9	143.6





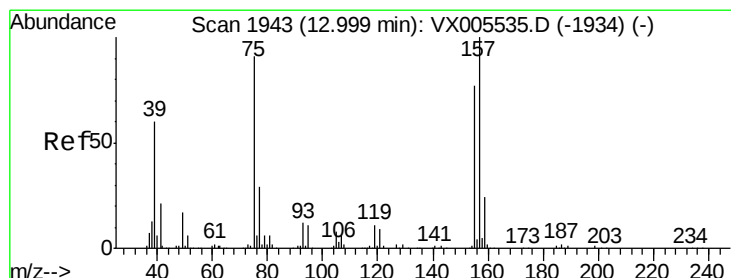
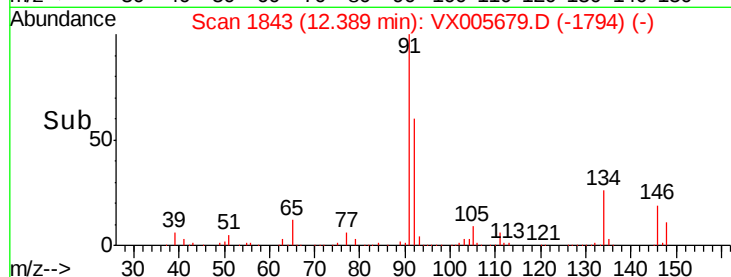
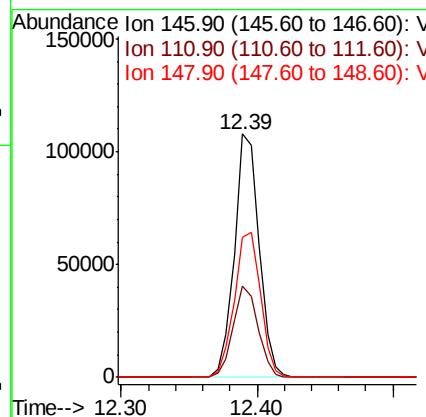
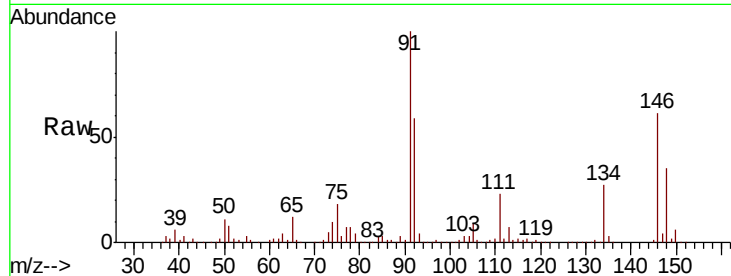
#91
 1,2-Dichlorobenzene
 Concen: 19.761 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005679.D
 Acq: 30 Oct 2018 00:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	20.0	59.9
148	63.4	32.2	96.6

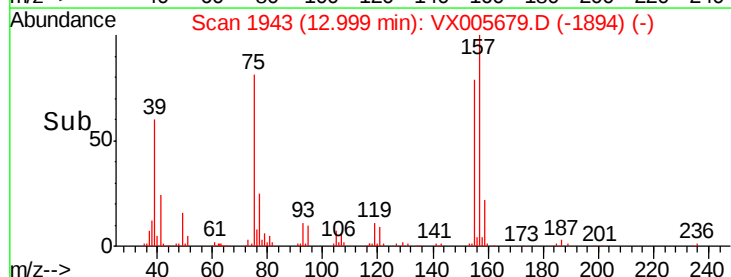
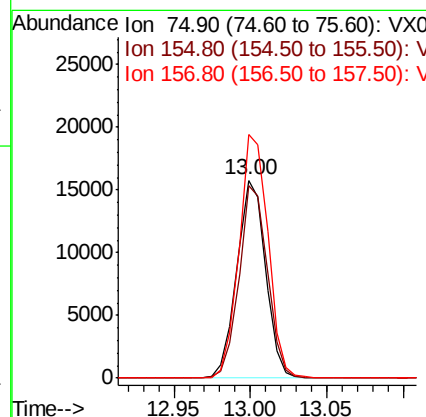
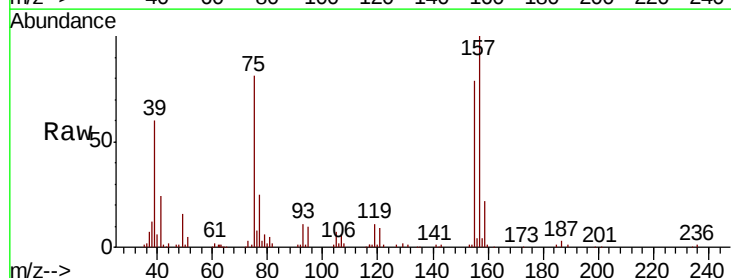
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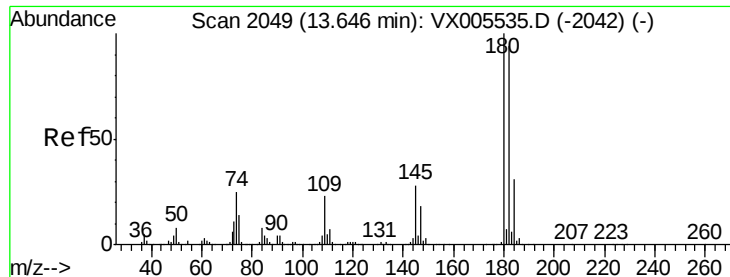
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.622 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005679.D
 Acq: 30 Oct 2018 00:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.8	45.4	136.1
157	123.8	57.4	172.0





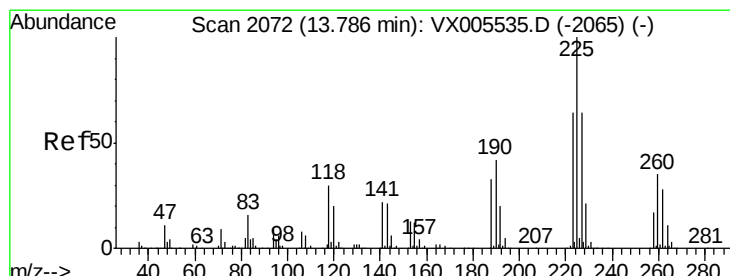
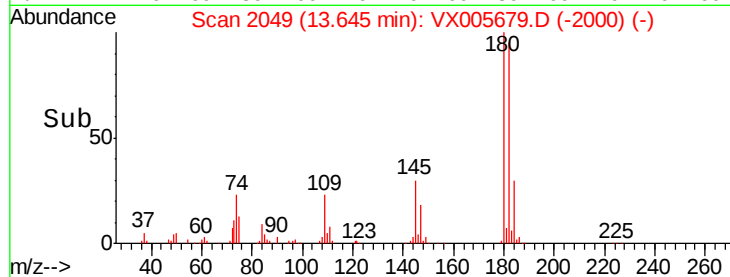
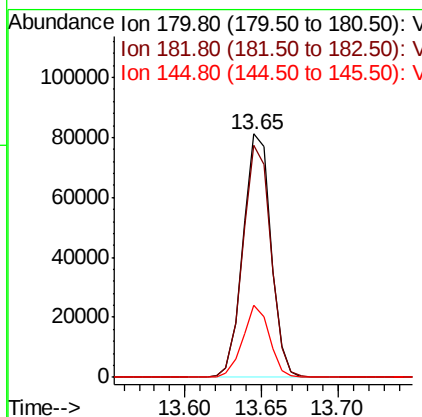
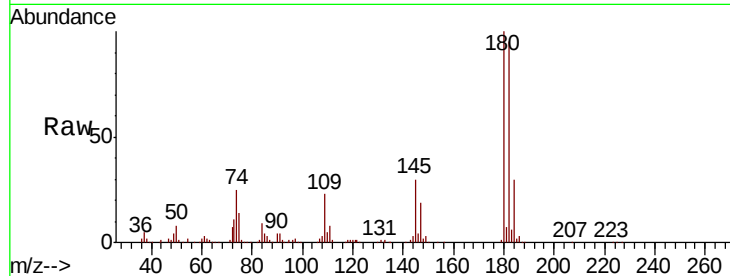
#93
 1,2,4-Trichlorobenzene
 Concen: 20.494 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005679.D
 Acq: 30 Oct 2018 00:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	102561		
182	95.5	47.6	142.8	
145	28.2	14.1	42.2	

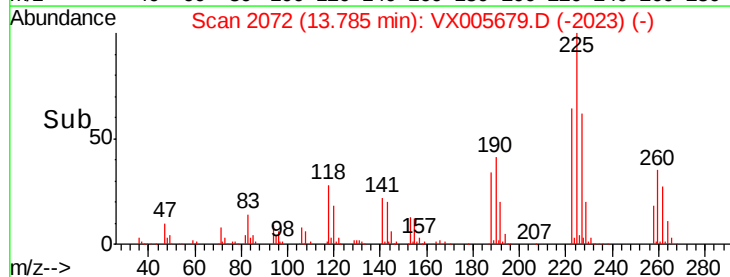
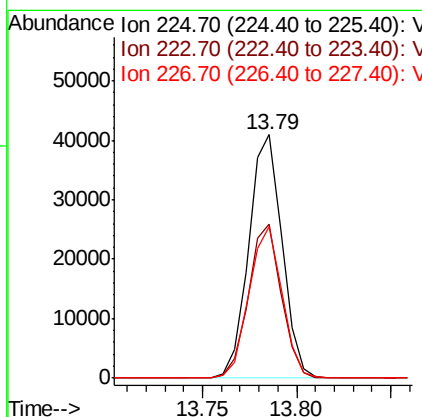
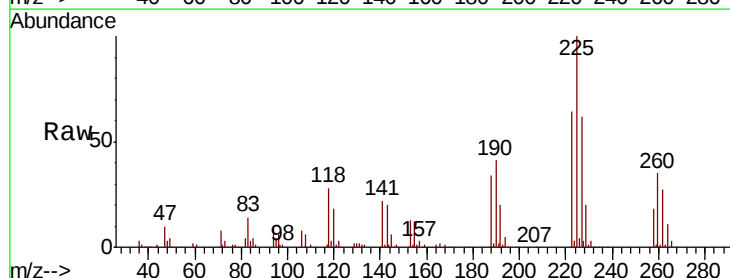
Manual Integrations
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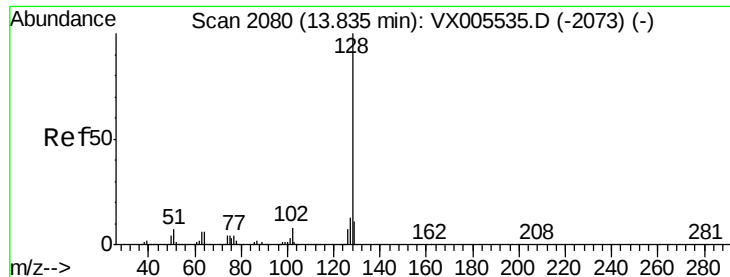
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 10/30/2018 11:11:29 AM



#94
 Hexachlorobutadiene
 Concen: 19.323 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005679.D
 Acq: 30 Oct 2018 00:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50114		
223	62.6	31.7	95.1	
227	61.7	32.3	96.9	





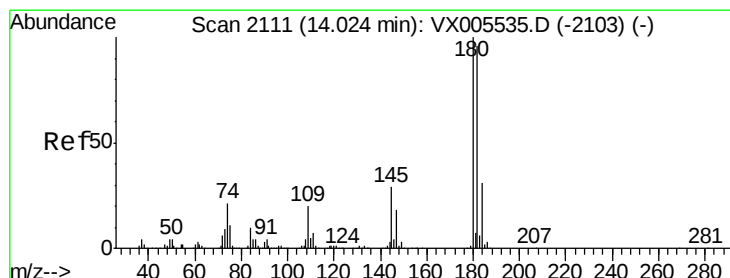
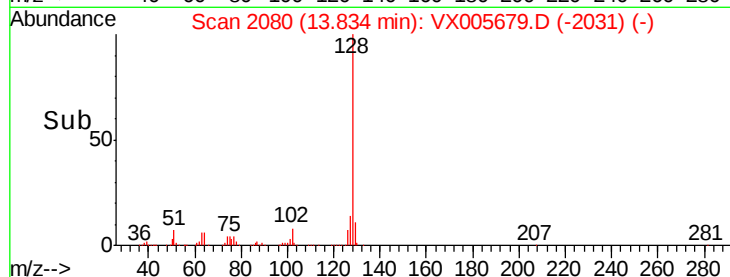
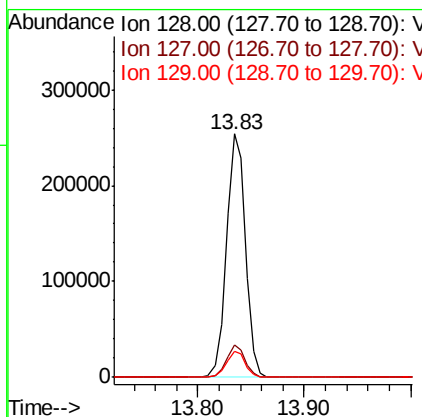
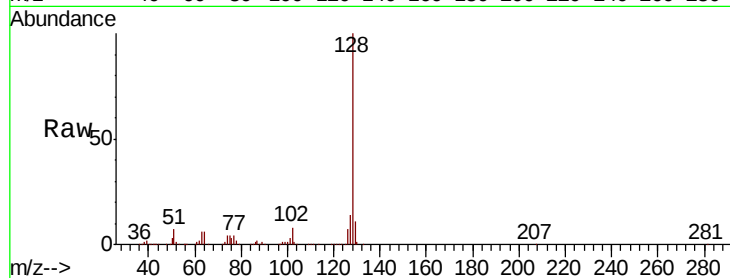
#95
Naphthalene
Concen: 21.717 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.711 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005679.D
Acq: 30 Oct 2018 00:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	48.0	144.2
145	29.6	15.1	45.3

