

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072919\
 Data File : VX011157.D
 Acq On : 29 Jul 2019 19:42
 Operator : JC/SP
 Sample : K4026-12MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0681MS

Manual Integrations
 APPROVED

MMDadoda
 7/30/2019 11:09:11 AM

Quant Time: Jul 30 06:39:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	176910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	266117	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137896	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	91524	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	5.50	113	82853	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
50) Toluene-d8	8.71	98	303815	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
62) 4-Bromofluorobenzene	11.13	95	116365	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	86076	45.677	ug/l 97
3) Chloromethane	1.32	50	73703	45.304	ug/l 100
4) Vinyl Chloride	1.41	62	100250	60.414	ug/l 99
5) Bromomethane	1.64	94	37069	39.642	ug/l 98
6) Chloroethane	1.71	64	59377	56.307	ug/l 95
7) Trichlorofluoromethane	1.92	101	144560	51.464	ug/l 98
8) Diethyl Ether	2.19	74	49397	51.040	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	79988	49.873	ug/l 98
10) Methyl Iodide	2.51	142	73614	34.976	ug/l 99
11) Tert butyl alcohol	3.05	59	92356	210.708	ug/l 100
12) 1,1-Dichloroethene	2.37	96	77424	49.134	ug/l 97
13) Acrolein	2.29	56	53798	212.437	ug/l 99
14) Allyl chloride	2.73	41	113908	49.766	ug/l 99
15) Acrylonitrile	3.14	53	233138	263.226	ug/l 99
16) Acetone	2.45	43	187439	220.510	ug/l 99
17) Carbon Disulfide	2.57	76	173095	42.823	ug/l 100
18) Methyl Acetate	2.78	43	104843	54.168	ug/l 99
19) Methyl tert-butyl Ether	3.20	73	264926	52.225	ug/l 97
20) Methylene Chloride	2.85	84	88807	49.299	ug/l 100
21) trans-1,2-Dichloroethene	3.17	96	84161	50.336	ug/l 96
22) Diisopropyl ether	3.85	45	252327	52.270	ug/l 97
23) Vinyl Acetate	3.81	43	1032490	252.428	ug/l 99
24) 1,1-Dichloroethane	3.70	63	143522	51.193	ug/l 99
25) 2-Butanone	4.67	43	310422	254.402	ug/l 99
26) 2,2-Dichloropropane	4.58	77	105630	45.887	ug/l 100
27) cis-1,2-Dichloroethene	4.60	96	108852	56.253	ug/l 97
28) Bromochloromethane	5.01	49	66734	50.513	ug/l 97
29) Tetrahydrofuran	5.13	42	200600	259.534	ug/l 99
30) Chloroform	5.21	83	155703	51.382	ug/l 98
31) Cyclohexane	5.58	56	121871	47.692	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	135180	51.562	ug/l 98
36) 1,1-Dichloropropene	5.80	75	109459	50.075	ug/l 98
37) Ethyl Acetate	4.84	43	114346	51.086	ug/l 99
38) Carbon Tetrachloride	5.79	117	118046	51.824	ug/l 96

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 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	134159	47.327	ug/l	98
40) Benzene	6.14	78	338721	50.586	ug/l	100
41) Methacrylonitrile	5.04	41	64730	50.943	ug/l	98
42) 1,2-Dichloroethane	6.19	62	121081	52.008	ug/l	99
43) Isopropyl Acetate	6.45	43	185719	50.461	ug/l	99
44) Trichloroethene	7.21	130	98195	49.543	ug/l	93
45) 1,2-Dichloropropane	7.51	63	87357	51.259	ug/l	98
46) Dibromomethane	7.66	93	62643	51.440	ug/l	99
47) Bromodichloromethane	7.90	83	118517	54.673	ug/l	98
48) Methyl methacrylate	7.77	41	95235	53.117	ug/l	96
49) 1,4-Dioxane	7.74	88	44160	880.513	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	652608	273.537	ug/l	100
52) Toluene	8.78	92	221957	50.459	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	122242	52.444	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	133946	51.643	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	95837	52.915	ug/l	98
56) Ethyl methacrylate	9.18	69	143501	54.166	ug/l	99
57) 1,3-Dichloropropane	9.37	76	150430	52.357	ug/l	98
59) 2-Hexanone	9.49	43	508801	274.957	ug/l	99
60) Dibromochloromethane	9.58	129	103949	49.876	ug/l	99
61) 1,2-Dibromoethane	9.67	107	101691	52.906	ug/l	99
64) Tetrachloroethene	9.34	164	85872	43.787	ug/l	98
65) Chlorobenzene	10.13	112	254753	49.754	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	95111	52.853	ug/l	98
67) Ethyl Benzene	10.25	91	442292	50.749	ug/l	99
68) m/p-Xylenes	10.36	106	339934	101.682	ug/l	100
69) o-Xylene	10.69	106	165611	50.759	ug/l	99
70) Stvrene	10.71	104	286098	52.602	ug/l	99
71) Bromoform	10.85	173	79577	48.640	ug/l #	98
73) Isopropylbenzene	11.02	105	454433	48.771	ug/l	100
74) N-amyl acetate	10.90	43	171729	48.236	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	155296	50.929	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	128677m	51.711	ug/l	
77) Bromobenzene	11.26	156	124464	48.427	ug/l	99
78) n-propylbenzene	11.36	91	509487	49.488	ug/l	100
79) 2-Chlorotoluene	11.42	91	302649	48.936	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	387554	49.777	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	41079	42.475	ug/l	98
82) 4-Chlorotoluene	11.51	91	355046	49.324	ug/l	100
83) tert-Butylbenzene	11.77	119	393110	51.403	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	389007	49.572	ug/l	99
85) sec-Butylbenzene	11.94	105	451867	50.426	ug/l	99
86) p-Isopropyltoluene	12.06	119	420084	50.708	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	219835	49.288	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	222518	48.644	ug/l	99
89) n-Butylbenzene	12.38	91	359582	50.734	ug/l	100
90) Hexachloroethane	12.60	117	65971	50.488	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	221677	50.148	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	32239	50.580	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	150305	50.173	ug/l	99

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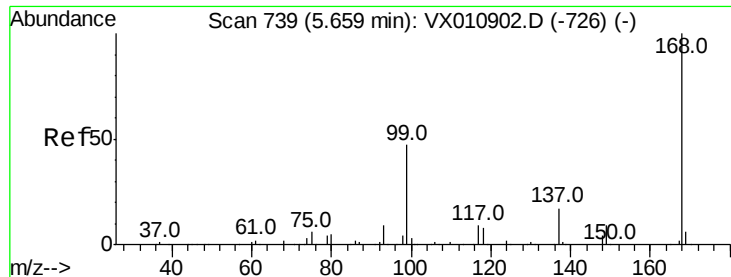
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	75540	50.884	ug/l	98
95) Naphthalene	13.83	128	477941	54.027	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	153797	51.597	ug/l	98

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



#1

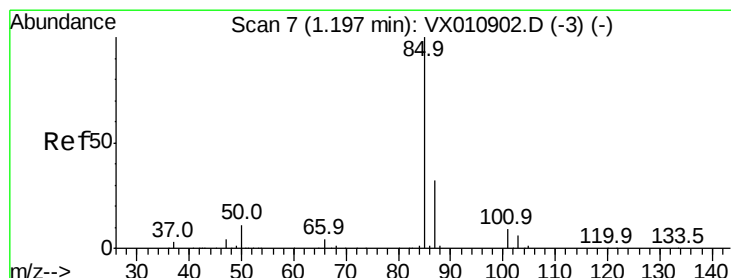
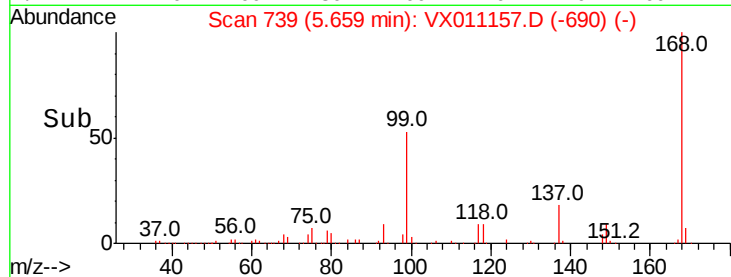
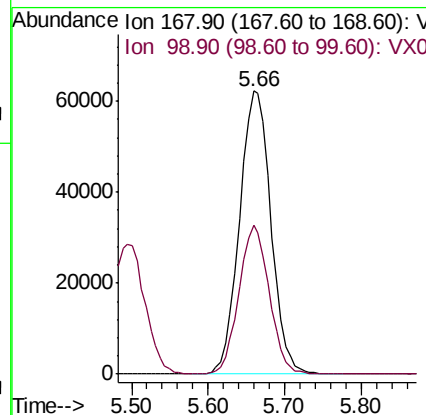
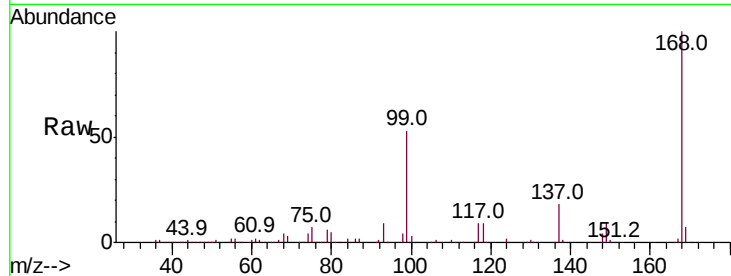
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VX011157.D
 Acq: 29 Jul 2019 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0681MS

Tot Ion	Ratio	Lower	Upper
168	100		
99	52.4	37.6	56.4

Manual Integrations
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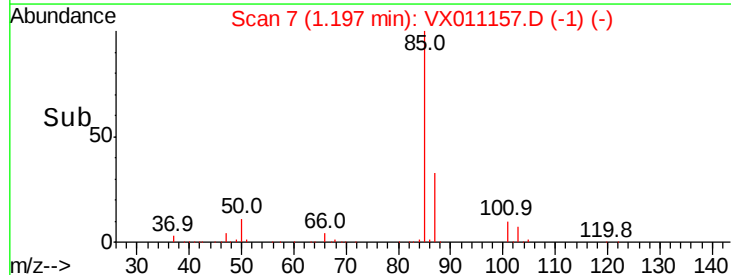
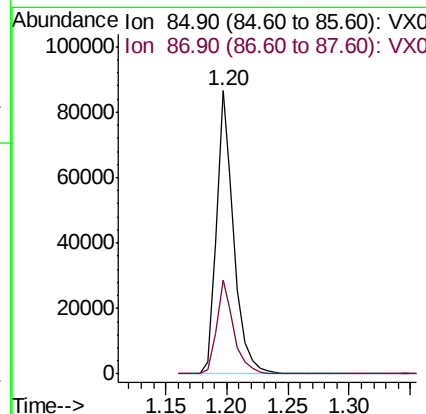
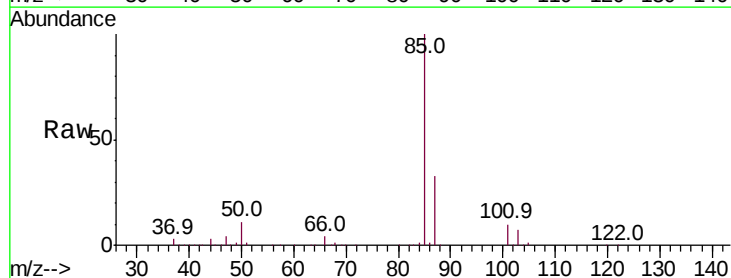
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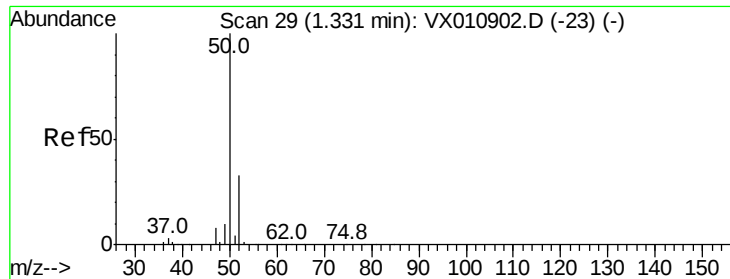


#2

Dichlorodifluoromethane
 Concen: 45.677 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. 0.00 min
 Lab File: VX011157.D
 Acq: 29 Jul 2019 19:42

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.3	15.9	47.7





#3

Chloromethane

Concen: 45.304 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0681MS

Tot Ion: 50 Resp: 73703

Ion Ratio Lower Upper

50 100

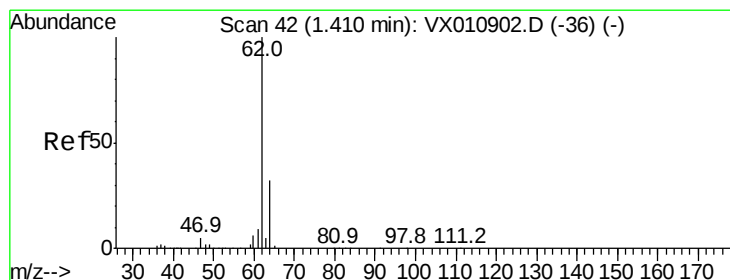
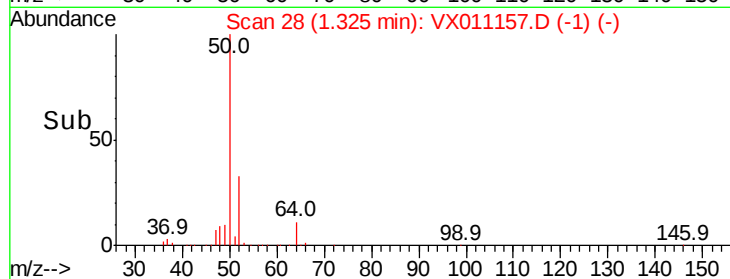
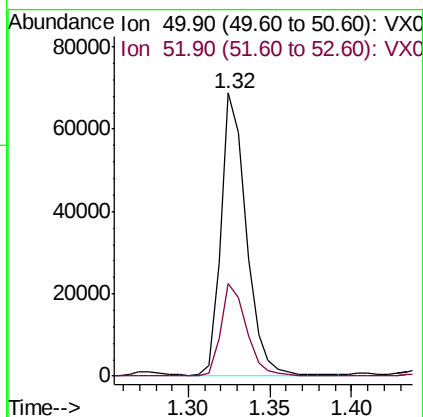
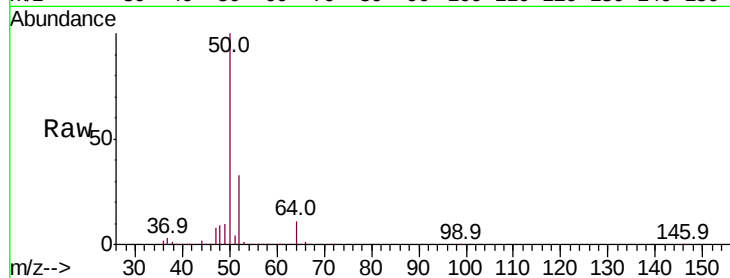
52 32.7 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 60.414 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX011157.D

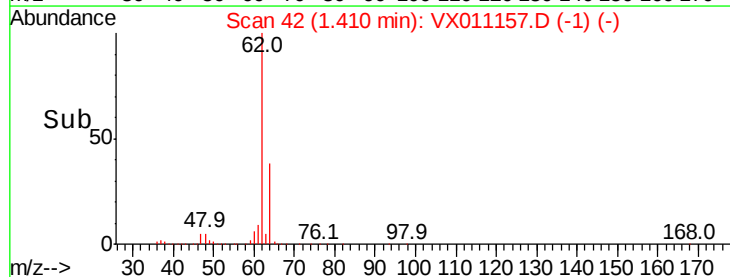
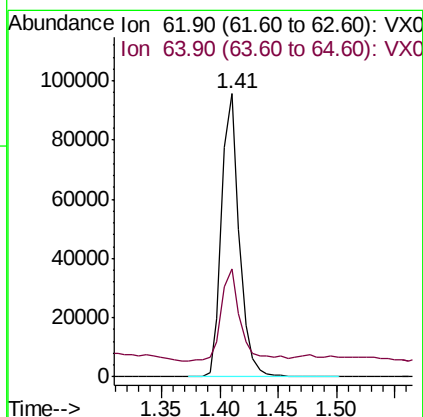
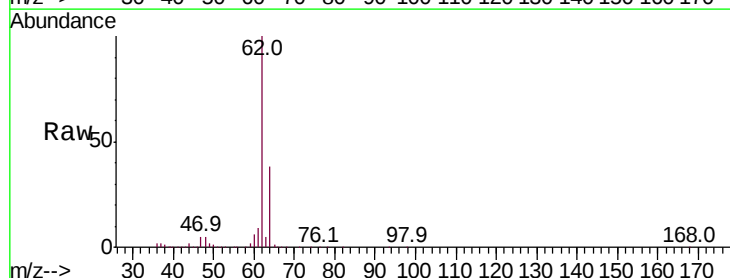
Acq: 29 Jul 2019 19:42

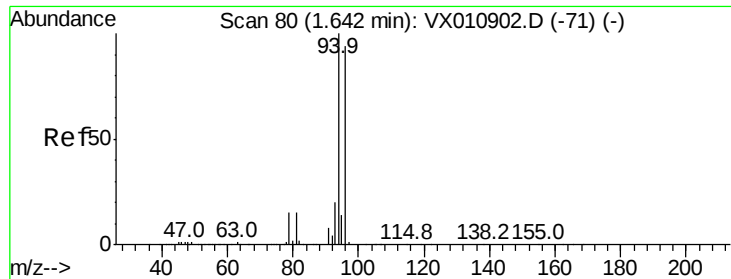
Tgt Ion: 62 Resp: 100250

Ion Ratio Lower Upper

62 100

64 32.7 25.7 38.5





#5

Bromomethane

Concen: 39.642 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0681MS

Tot Ion: 94 Resp: 37069

Ion Ratio Lower Upper

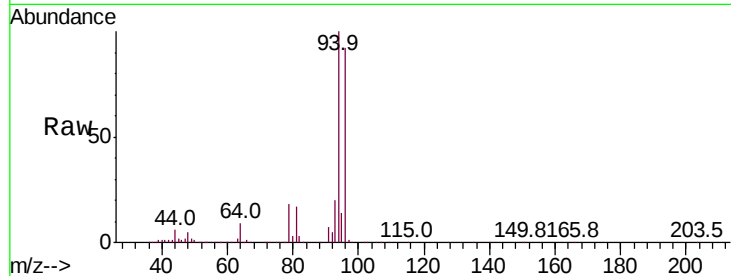
94 100

96 92.3 75.6 113.4

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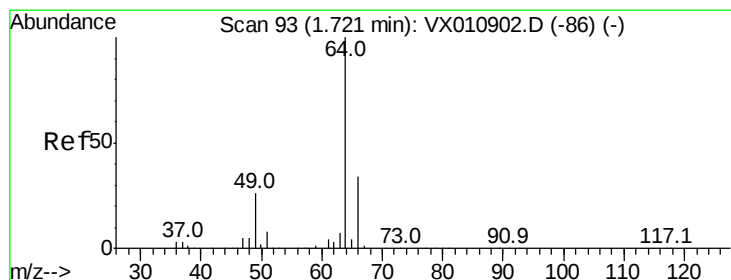
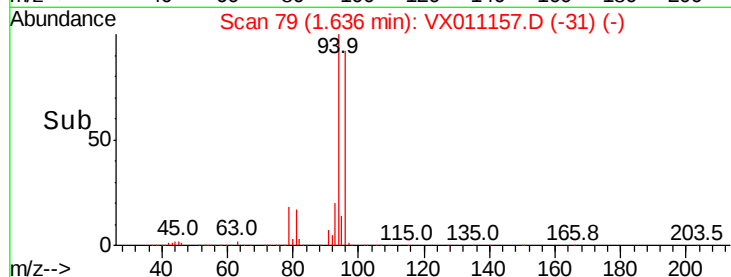
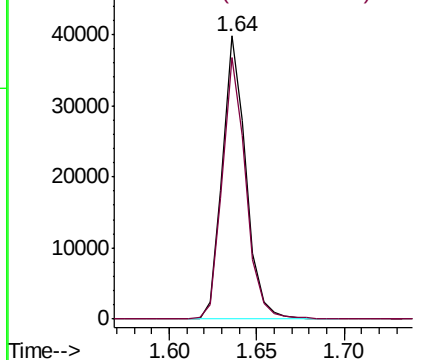
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 56.307 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX011157.D

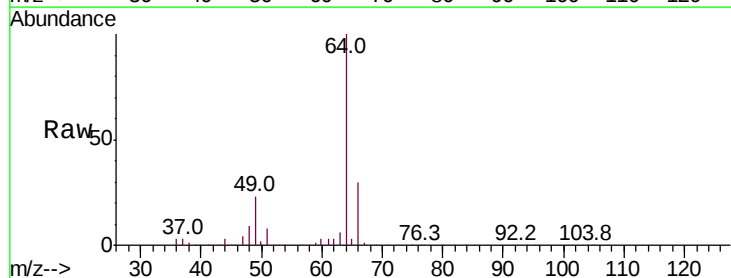
Acq: 29 Jul 2019 19:42

Tgt Ion: 64 Resp: 59377

Ion Ratio Lower Upper

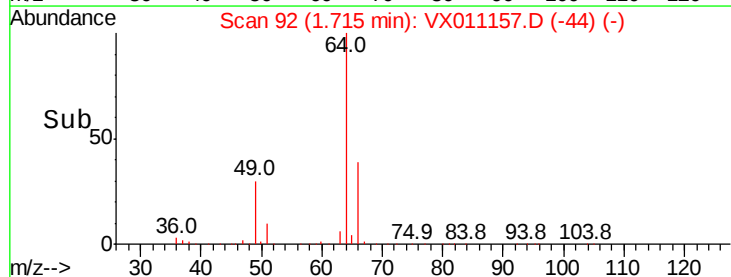
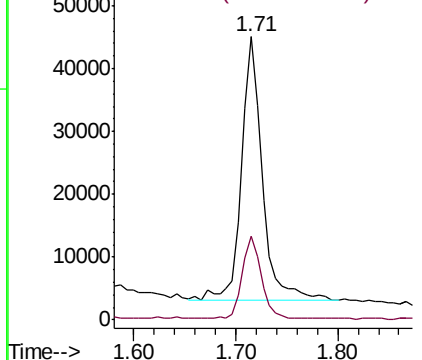
64 100

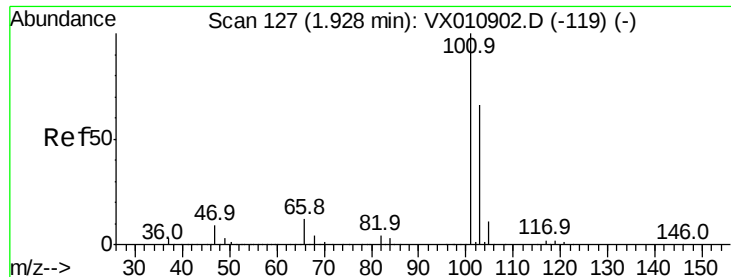
66 31.1 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

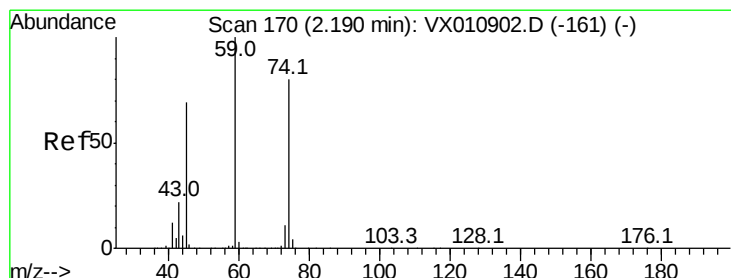
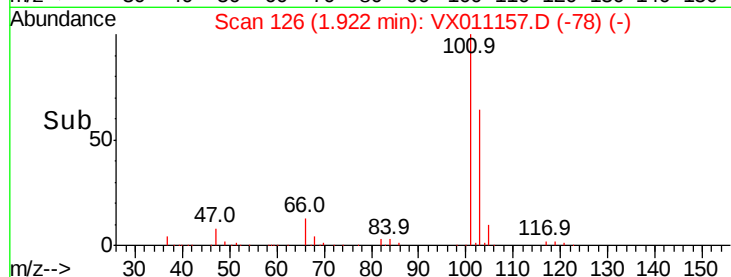
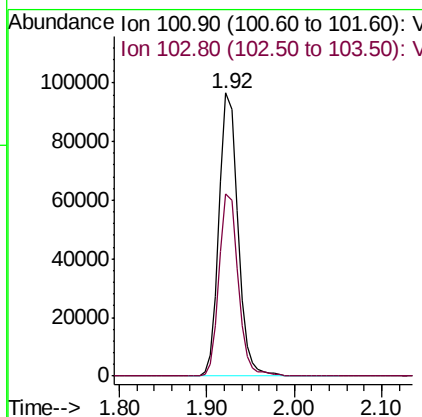
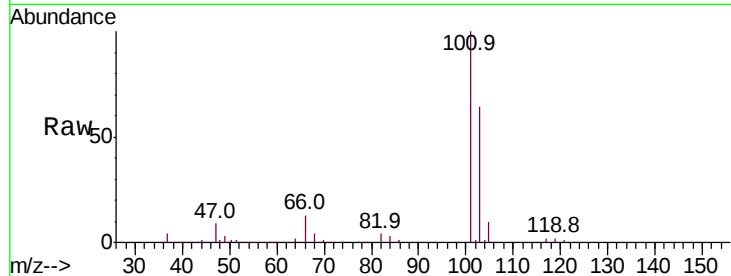
Trichlorofluoromethane
Concen: 51.464 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Instrument :
MSVOA_X
ClientSampled :
Z3-0681MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.6	78.8

Manual Integrations
APPROVED

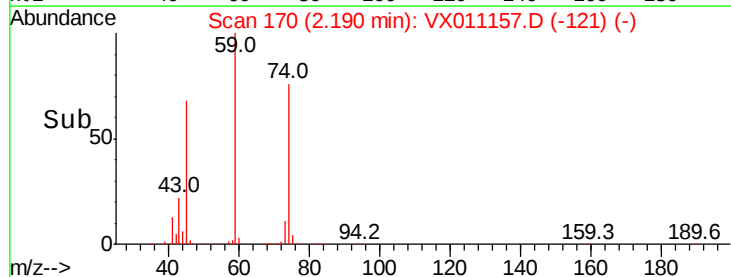
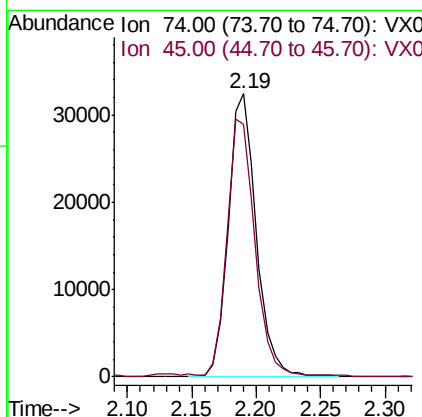
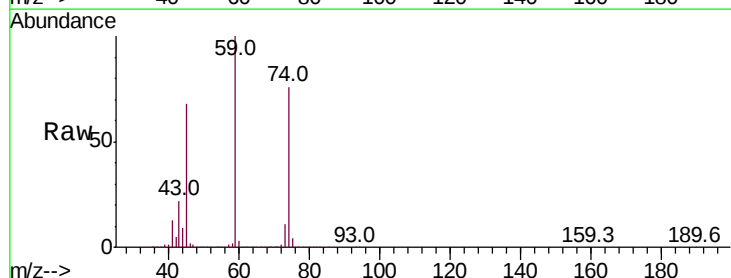
MMDadoda
7/30/2019 11:09:11 AM

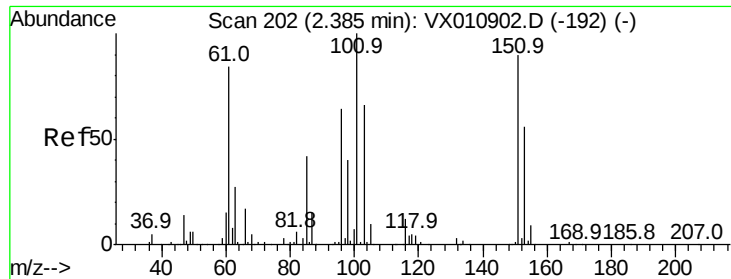


#8

Diethyl Ether
Concen: 51.040 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.873 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

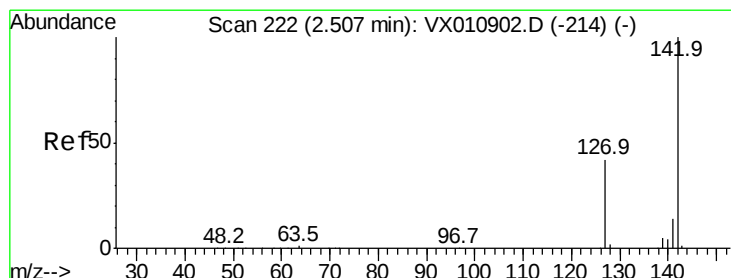
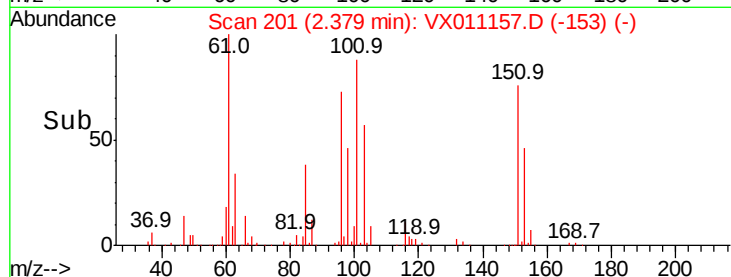
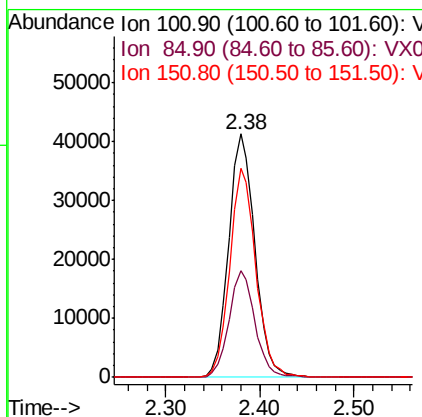
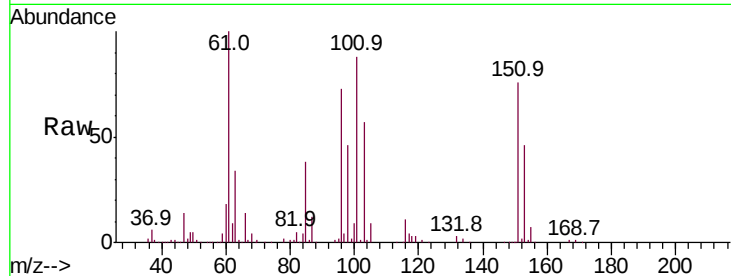
ClientSampled :

Z3-0681MS

Tot Ion:	101	Resp:	79988
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.6	52.0
151	85.1	69.6	104.4

Manual Integrations
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#10

Methyl Iodide

Concen: 34.976 ug/l

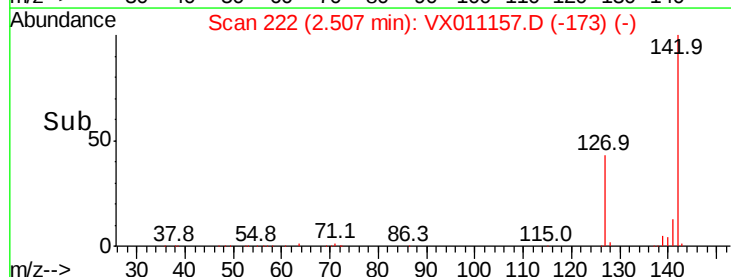
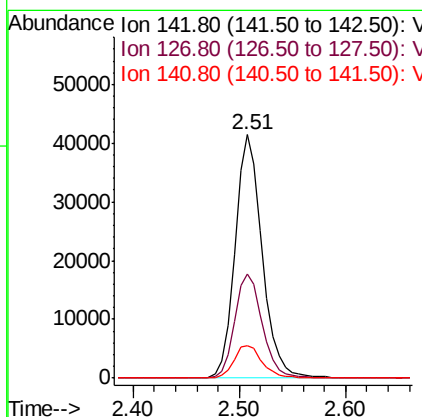
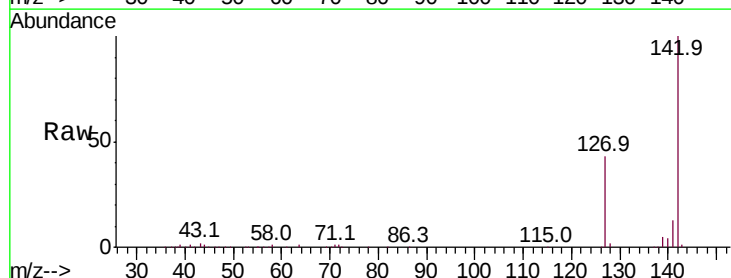
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Tgt Ion:	142	Resp:	73614
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.2	51.4
141	14.2	11.7	17.5





#11

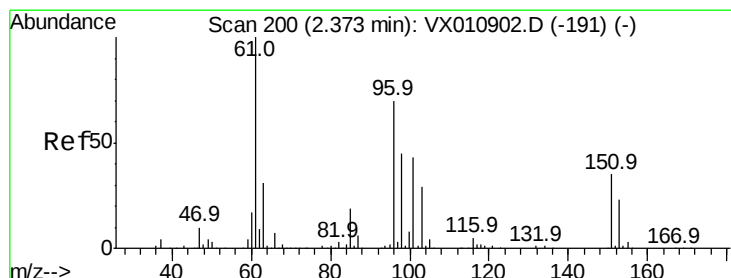
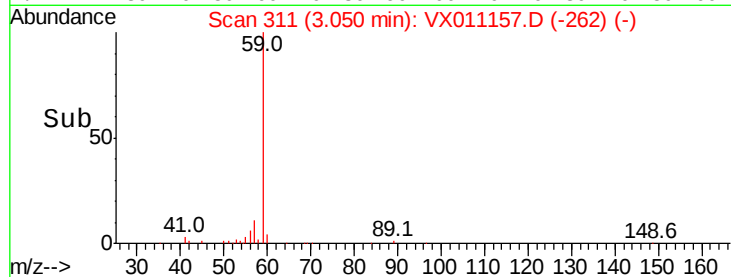
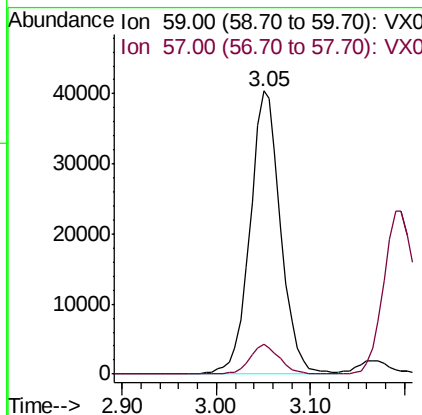
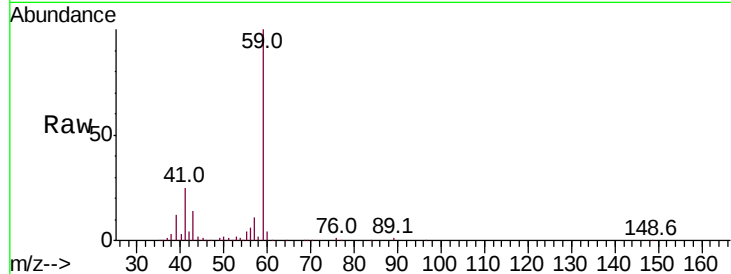
Tert butyl alcohol
Concen: 210.708 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
Z3-0681MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.9	11.9

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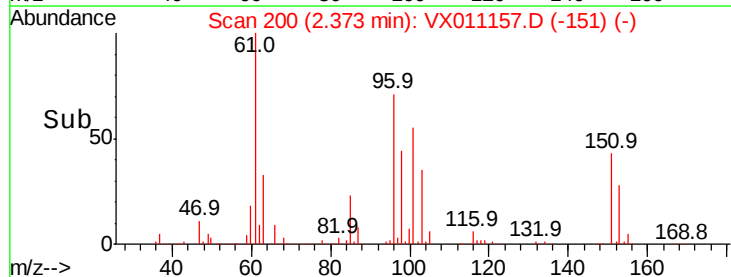
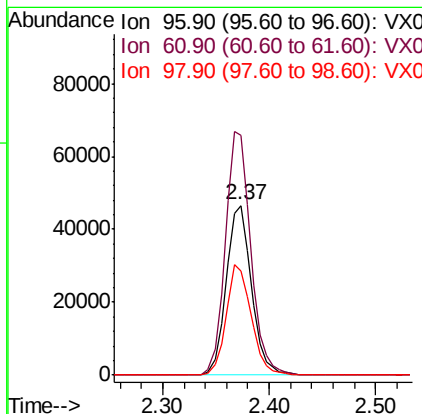
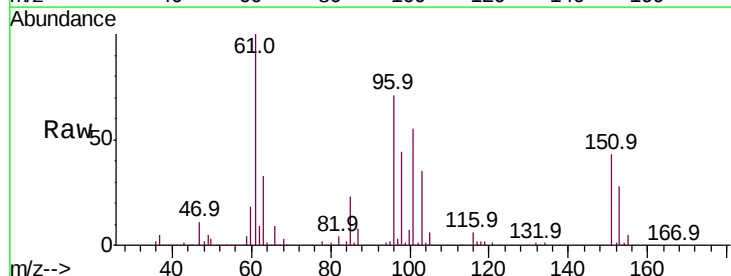
MMDadoda
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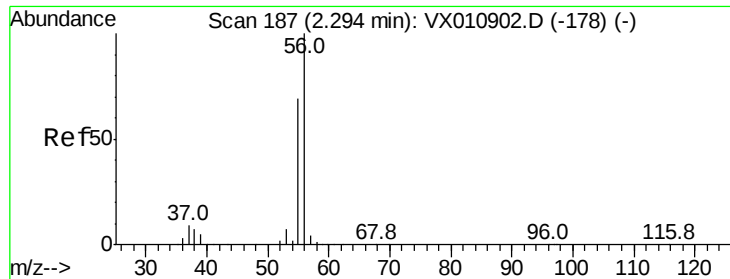


#12

1,1-Dichloroethene
Concen: 49.134 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.3	115.0	172.4
98	61.7	52.2	78.2





#13

Acrolein

Concen: 212.437 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0681MS

Tot Ion: 56 Resp: 53798

Ion Ratio Lower Upper

56 100

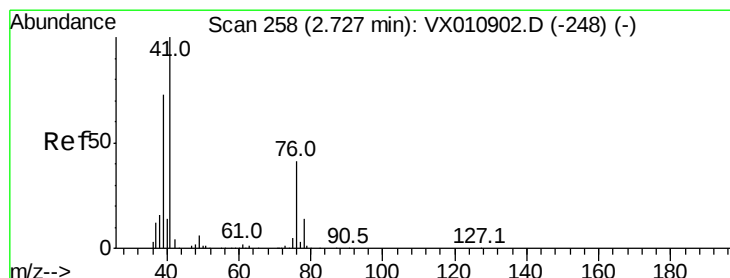
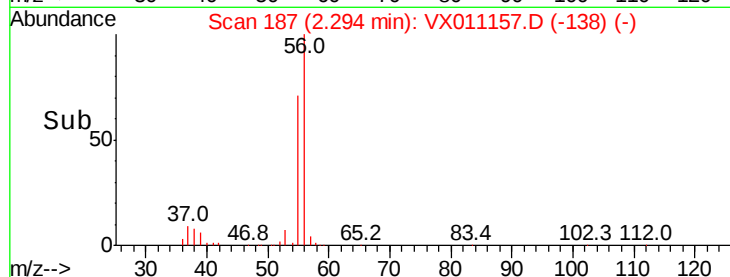
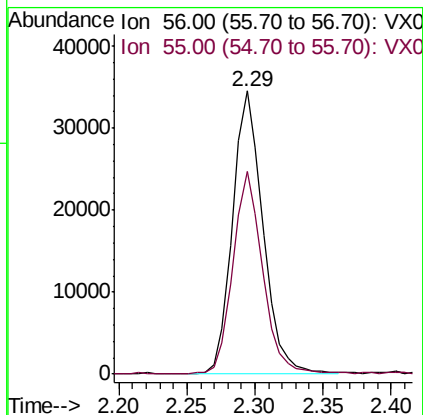
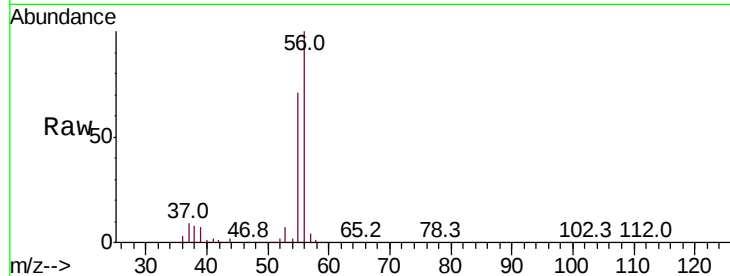
55 69.3 55.9 83.9

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#14

Allyl chloride

Concen: 49.766 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

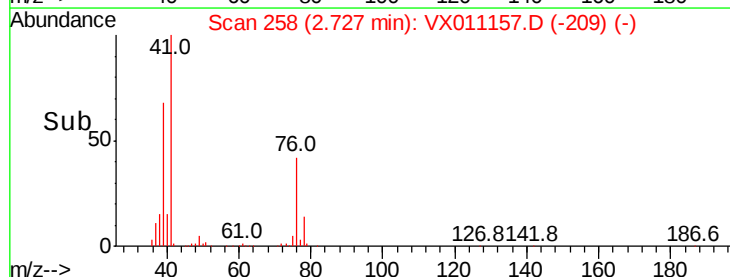
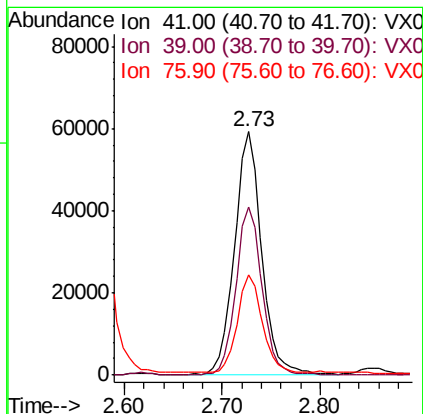
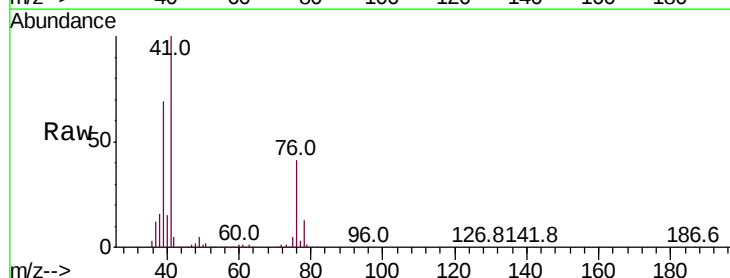
Tgt Ion: 41 Resp: 113908

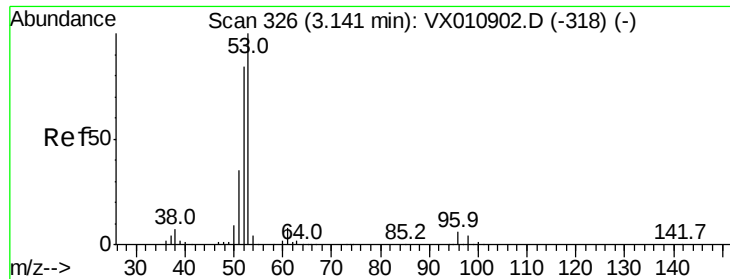
Ion Ratio Lower Upper

41 100

39 66.1 53.6 80.4

76 36.5 29.7 44.5





#15

Acrylonitrile

Concen: 263.226 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

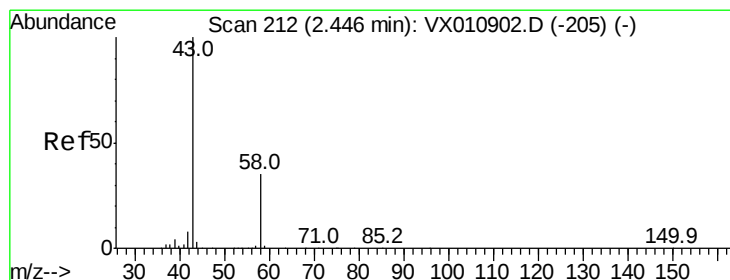
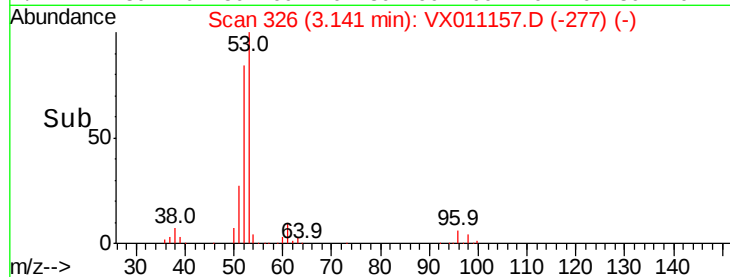
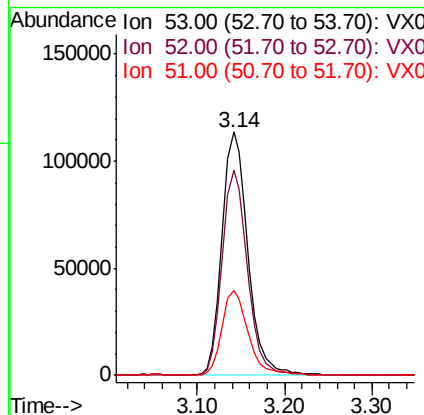
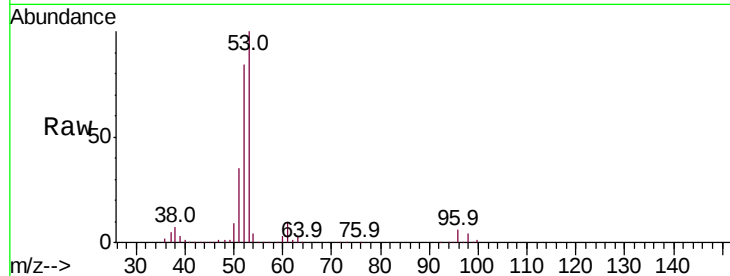
ClientSampleId :

Z3-0681MS

Tot Ion:	53	Resp:	233138
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.5	99.7
51	35.9	28.2	42.4

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#16

Acetone

Concen: 220.510 ug/l

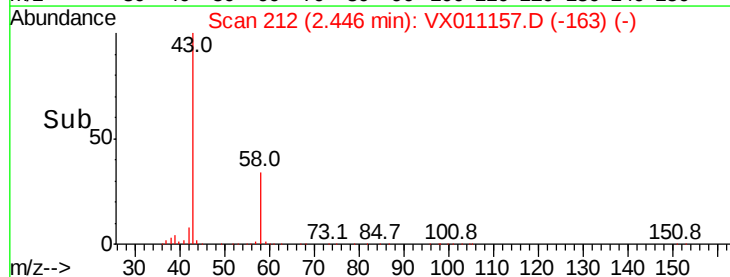
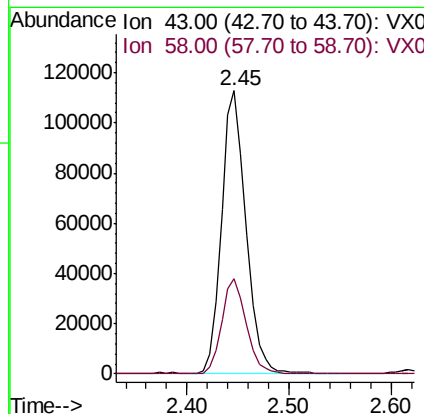
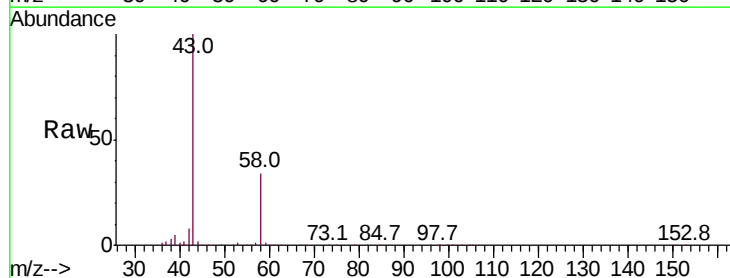
RT: 2.45 min Scan# 212

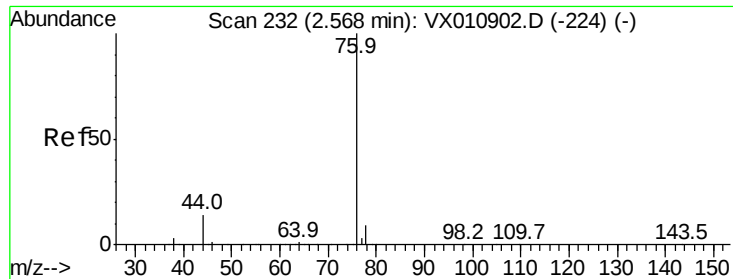
Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Tgt Ion:	43	Resp:	187439
Ion Ratio	Lower	Upper	
43	100		
58	33.8	27.7	41.5





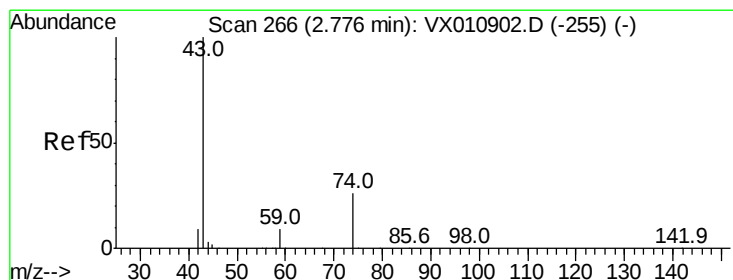
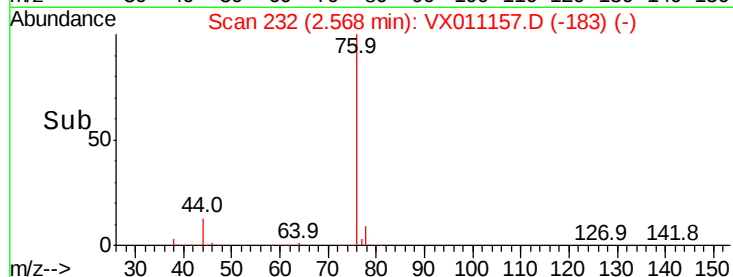
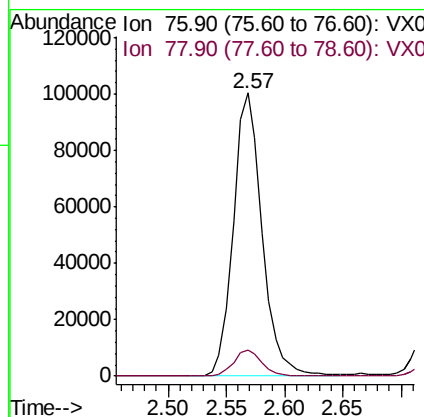
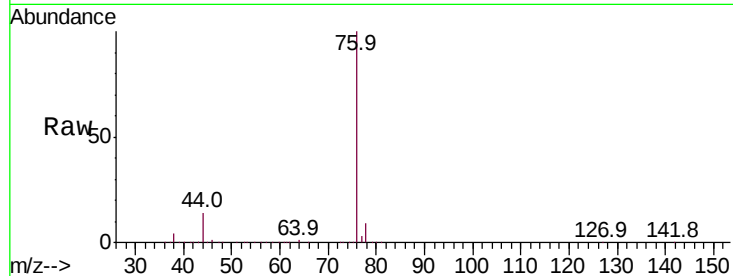
#17
Carbon Disulfide
Concen: 42.823 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
Z3-0681MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

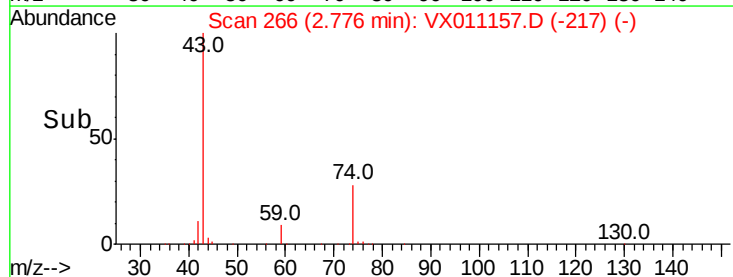
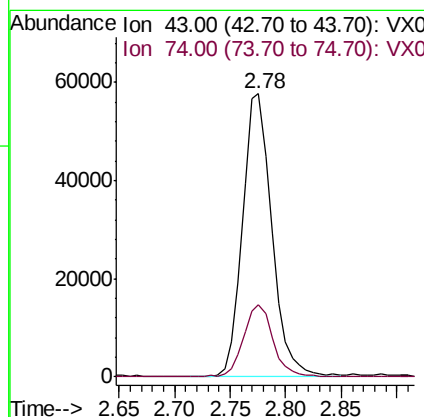
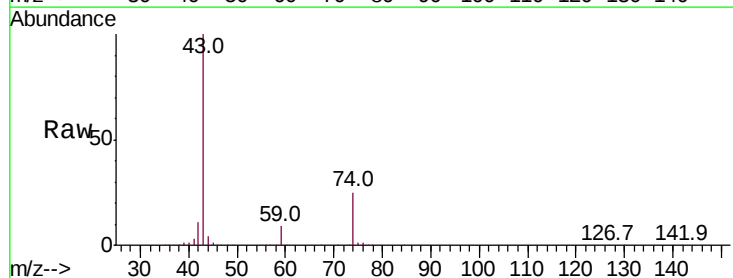
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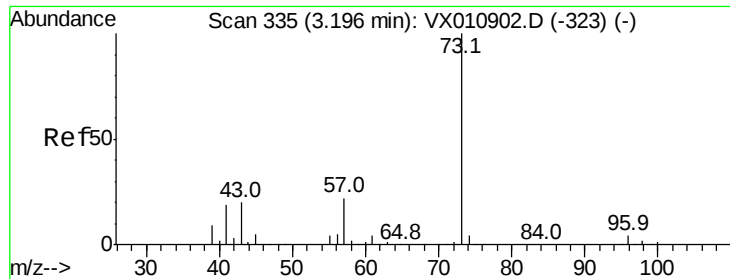
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#18
Methyl Acetate
Concen: 54.168 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.2	21.5	32.3





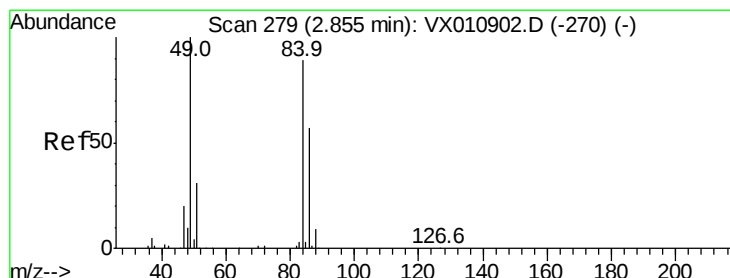
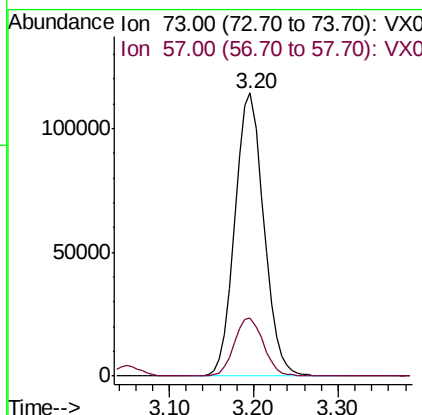
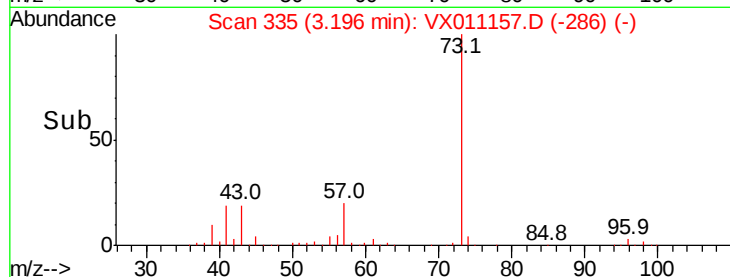
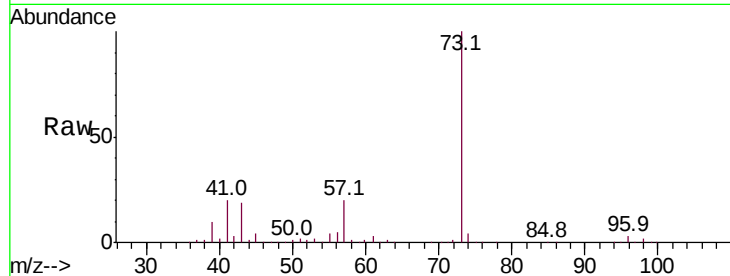
#19
Methyl tert-butyl Ether
Concen: 52.225 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Instrument :
MSVOA_X
ClientSampled :
Z3-0681MS

Tot Ion: 73 Resp: 264926
Ion Ratio Lower Upper
73 100
57 20.3 17.3 25.9

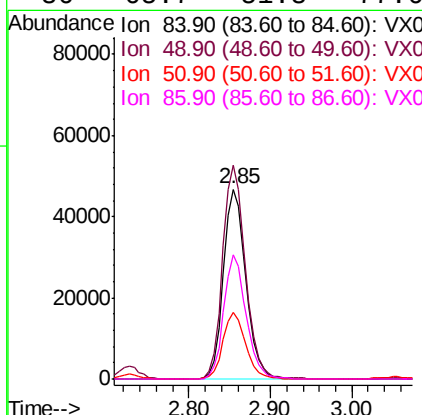
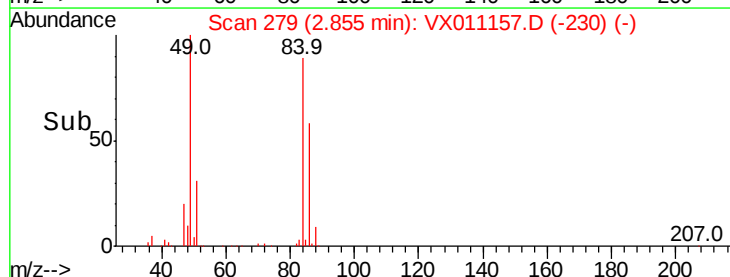
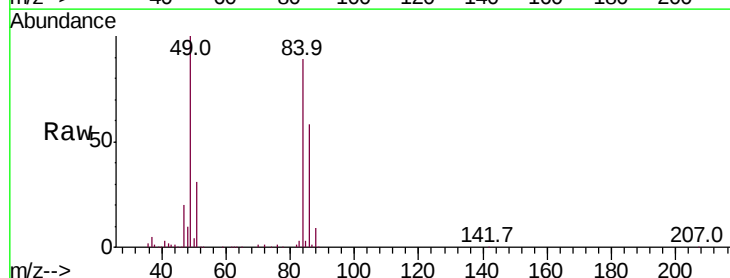
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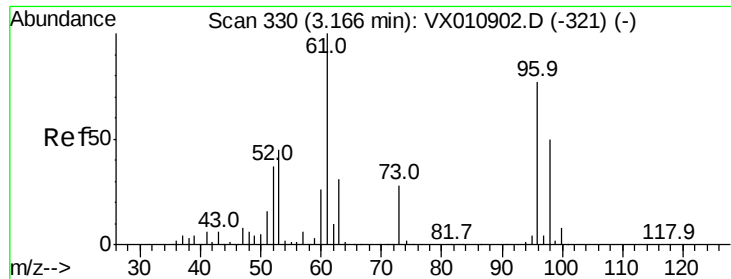
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#20
Methylene Chloride
Concen: 49.299 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Tgt Ion: 84 Resp: 88807
Ion Ratio Lower Upper
84 100
49 112.3 89.9 134.9
51 34.7 27.8 41.6
86 65.7 51.8 77.6





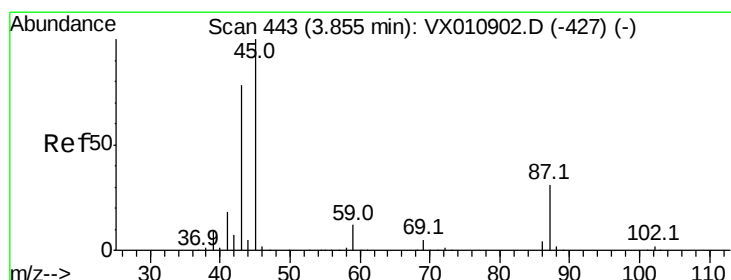
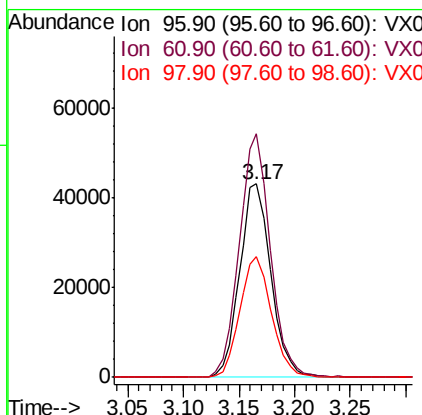
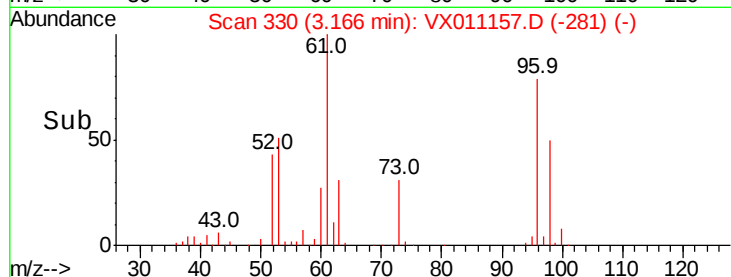
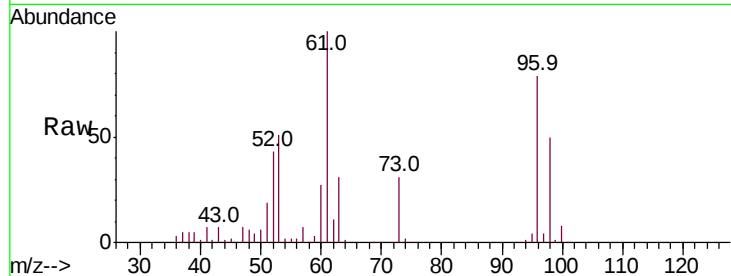
#21
trans-1,2-Dichloroethene
Concen: 50.336 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Instrument :
MSVOA_X
ClientSampled :
Z3-0681MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.0	104.2	156.2
98	62.5	52.2	78.4

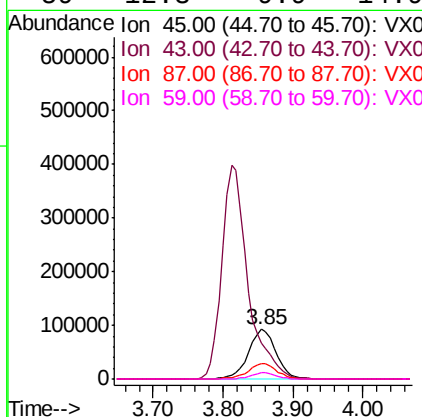
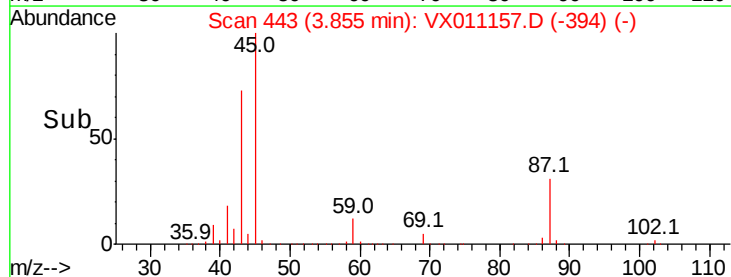
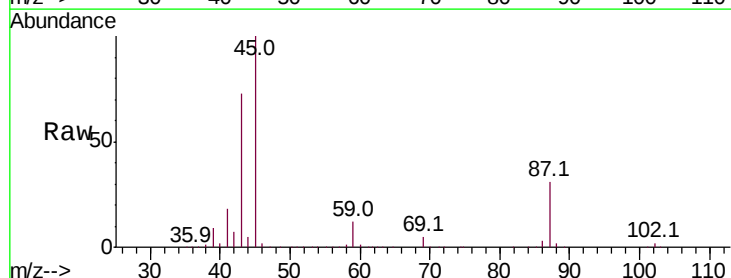
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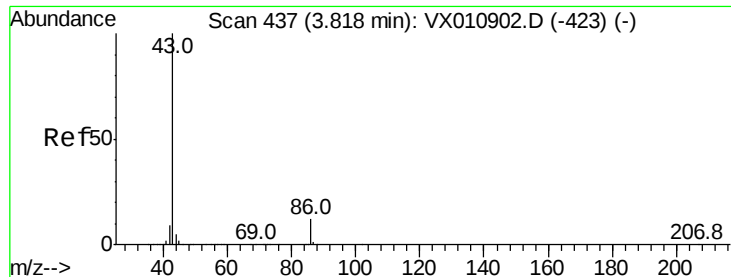
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#22
Diisopropyl ether
Concen: 52.270 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	73.4	62.3	93.5
87	31.4	25.0	37.4
59	12.3	9.9	14.9





#23

Vinyl Acetate

Concen: 252.428 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

ClientSampled :

Z3-0681MS

Tot Ion: 43 Resp: 1032490

Ion Ratio Lower Upper

43 100

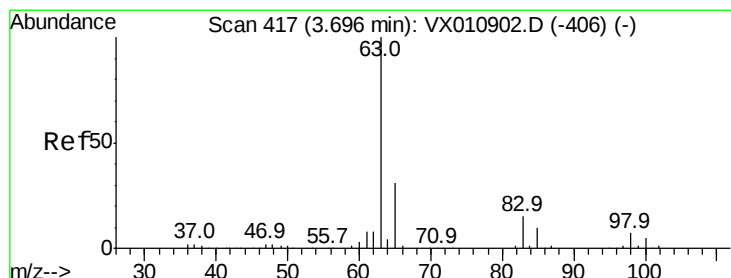
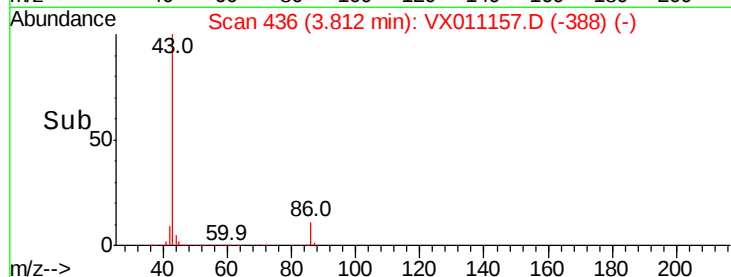
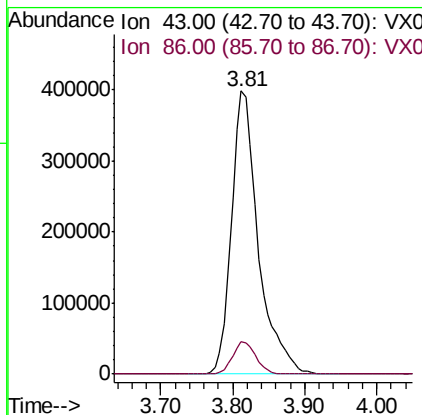
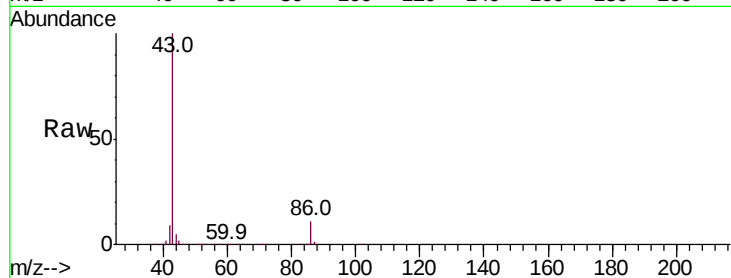
86 11.3 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 51.193 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

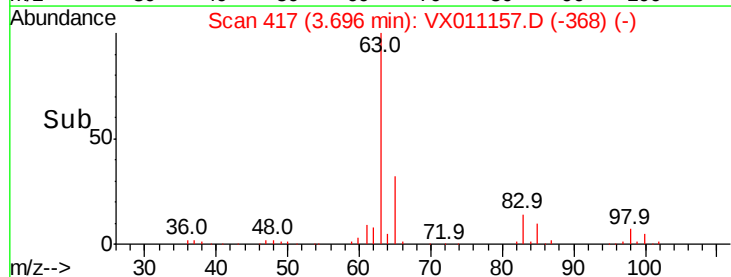
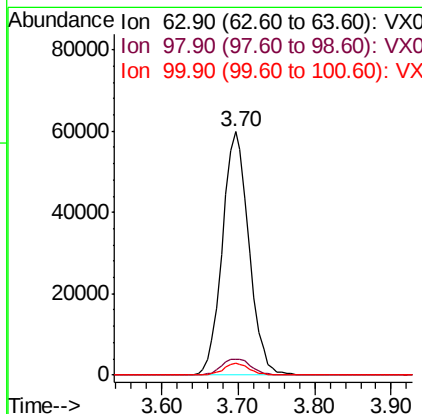
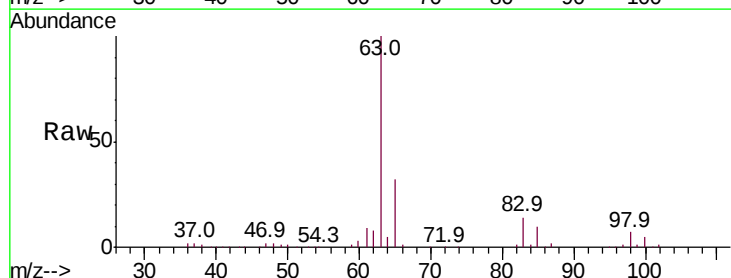
Tgt Ion: 63 Resp: 143522

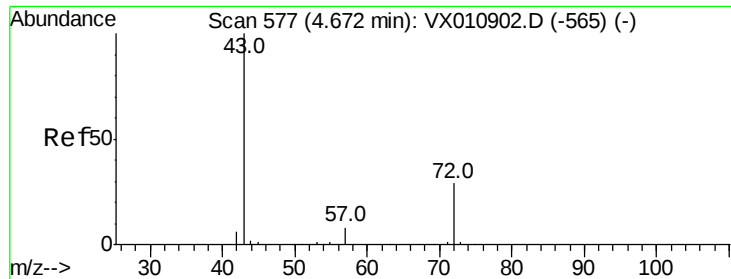
Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.9

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 254.402 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0681MS

Tot Ion: 43 Resp: 310422

Ion Ratio Lower Upper

43 100

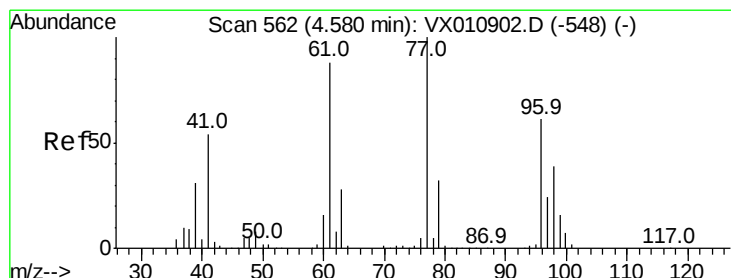
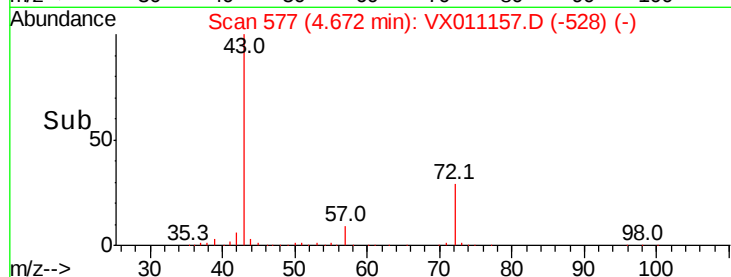
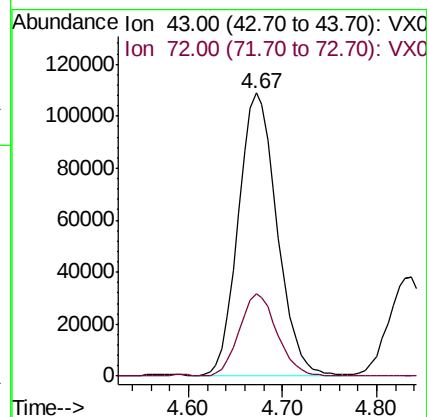
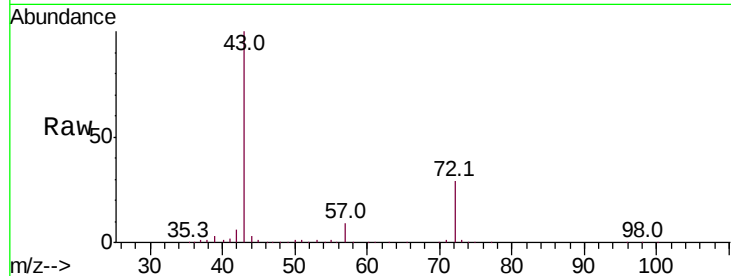
72 29.2 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.887 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX011157.D

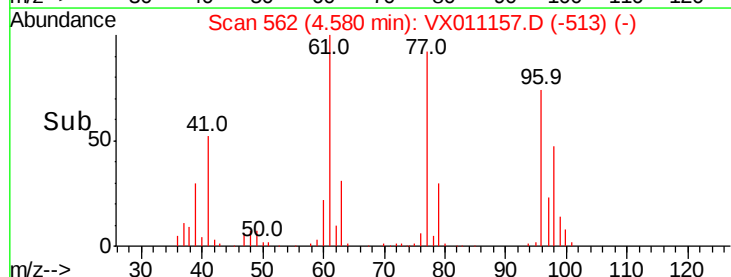
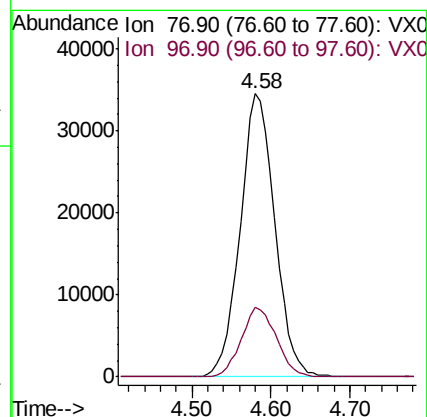
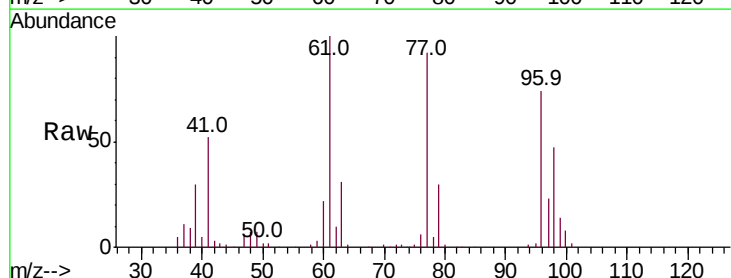
Acq: 29 Jul 2019 19:42

Tgt Ion: 77 Resp: 105630

Ion Ratio Lower Upper

77 100

97 24.9 12.6 37.6





#27

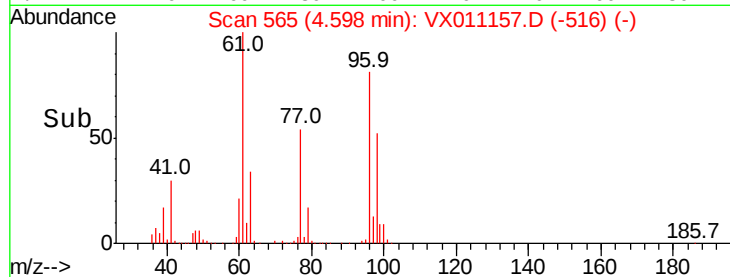
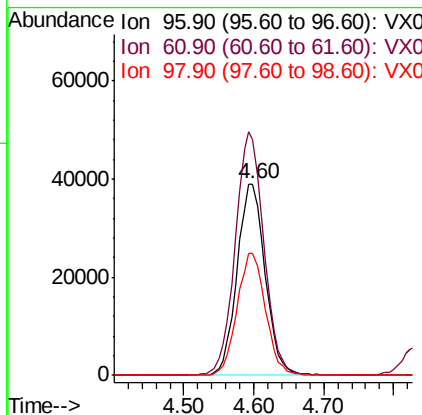
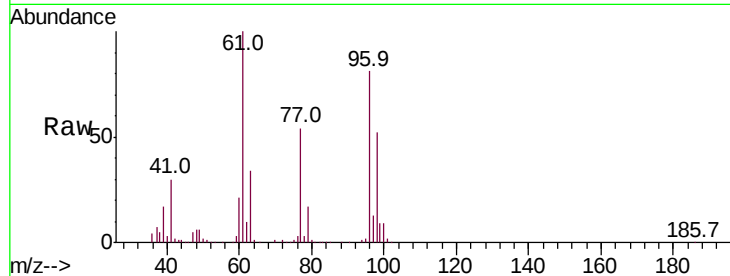
cis-1,2-Dichloroethene
Concen: 56.253 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
Z3-0681MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	129.8	0.0	269.0	
98	64.4	0.0	131.4	

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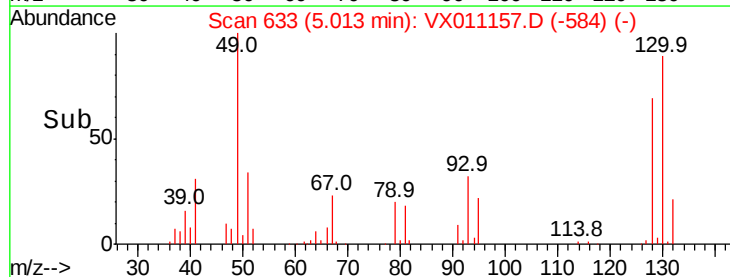
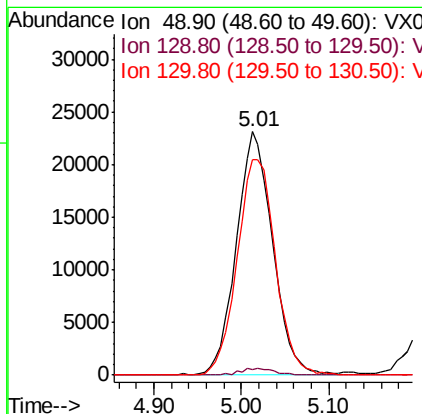
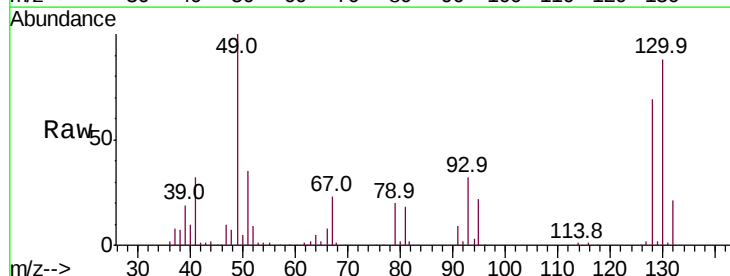
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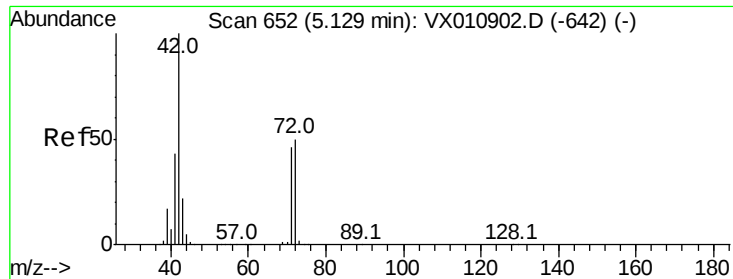


#28

Bromochloromethane
Concen: 50.513 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	5.2	
130	93.3	76.9	115.3	





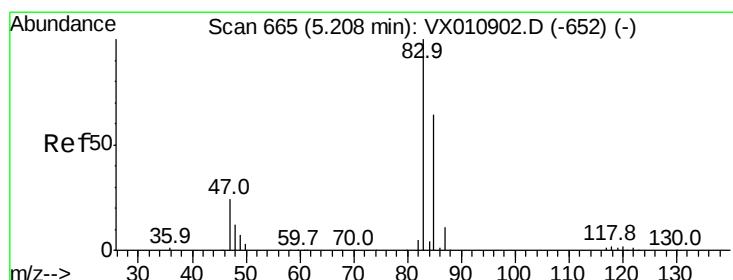
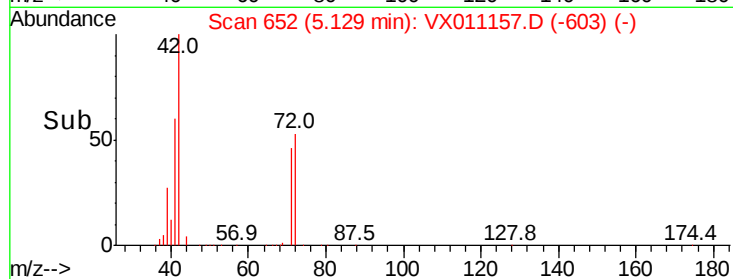
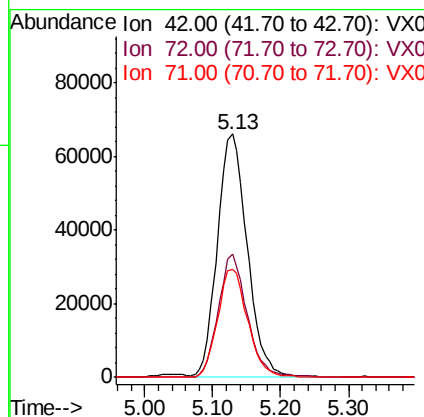
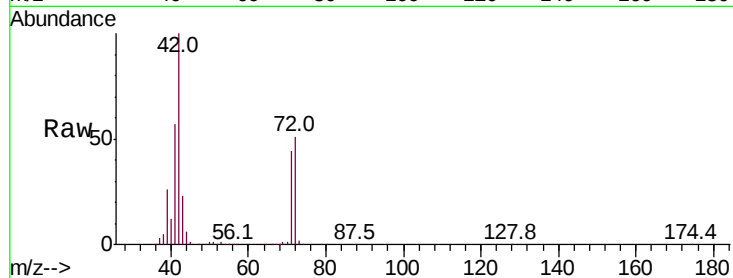
#29
Tetrahydrofuran
Concen: 259.534 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Instrument :
MSVOA_X
ClientSampled :
Z3-0681MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.2	39.8	59.8
71	44.8	37.0	55.4

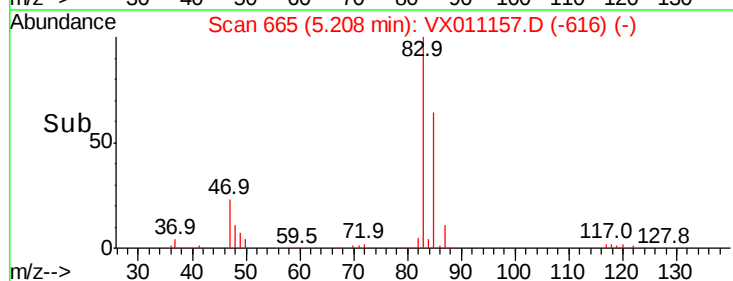
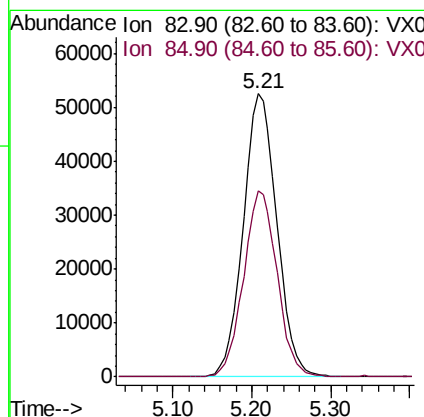
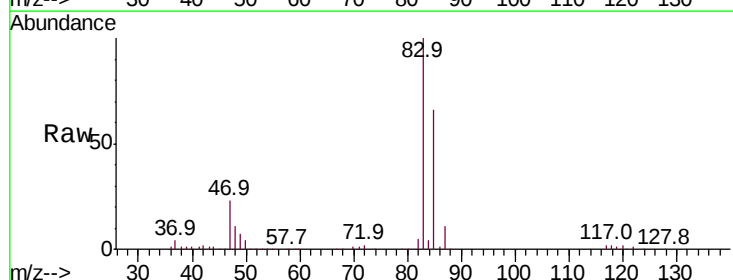
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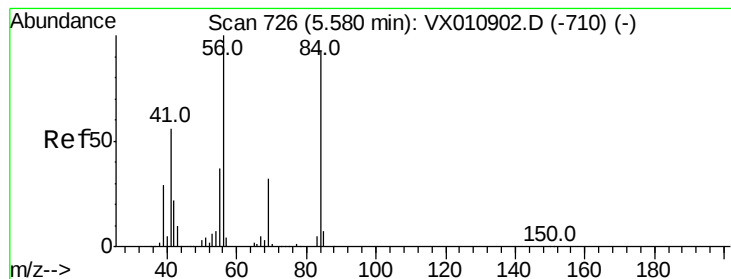
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#30
Chloroform
Concen: 51.382 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.4	77.0





#31

Cyclohexane

Concen: 47.692 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

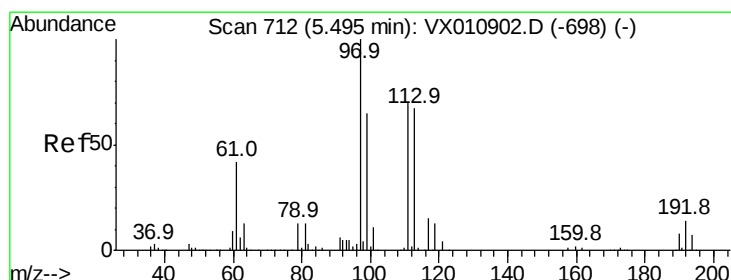
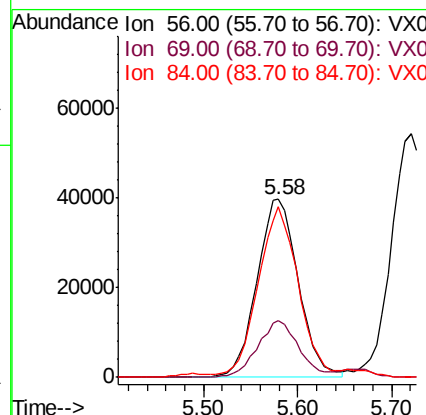
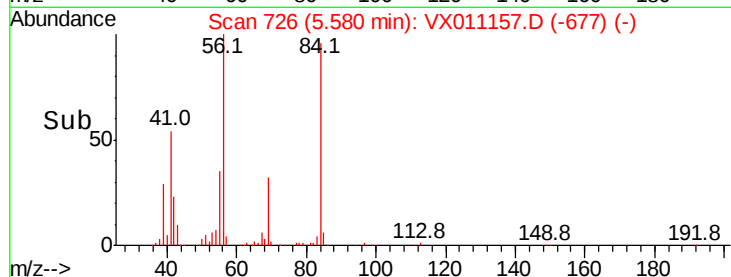
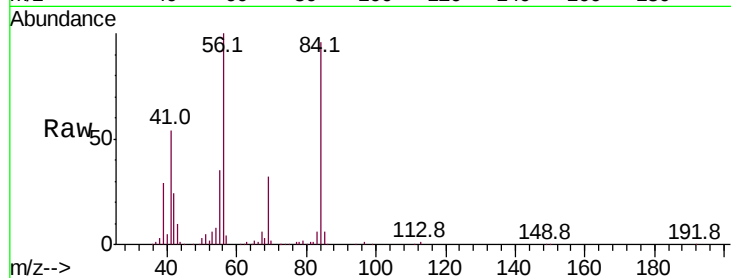
ClientSampleId :

Z3-0681MS

Tot Ion	56	Resp	121871
Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.8	38.8
84	93.2	73.8	110.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.562 ug/l

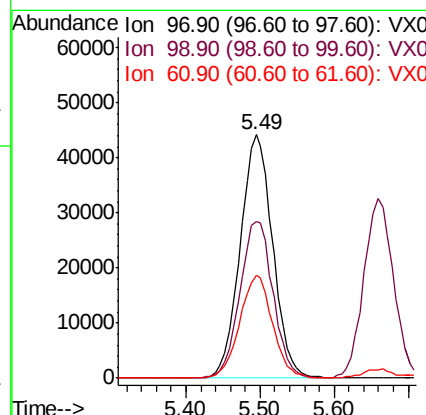
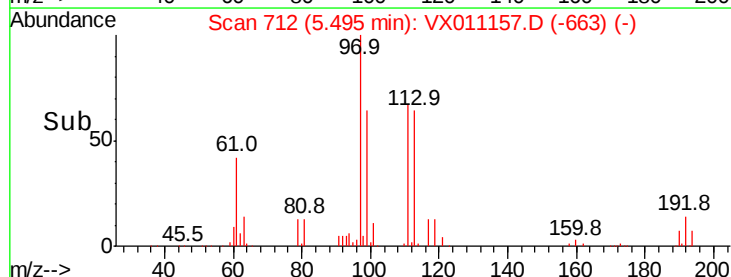
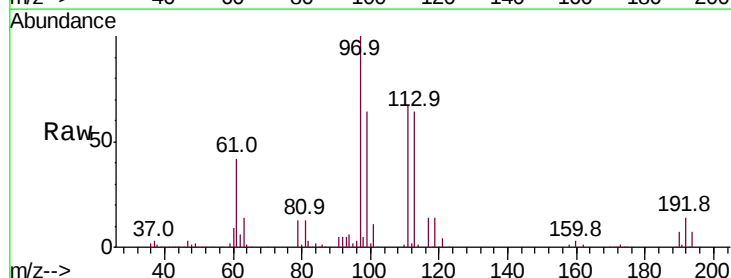
RT: 5.49 min Scan# 712

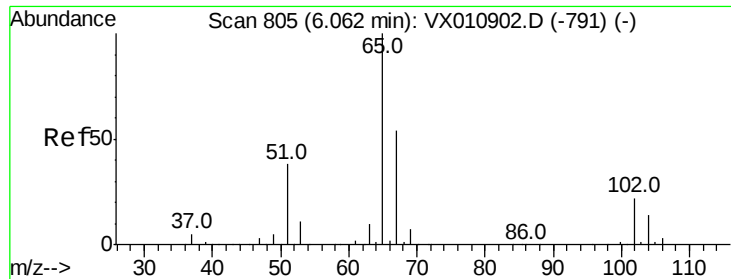
Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Tgt Ion	97	Resp	135180
Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.4	77.0
61	42.6	33.0	49.6





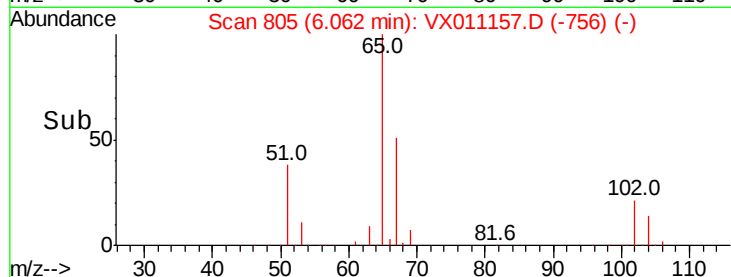
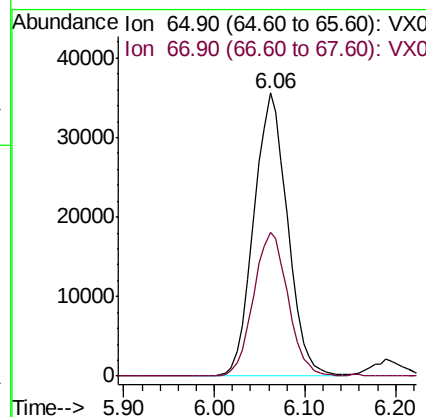
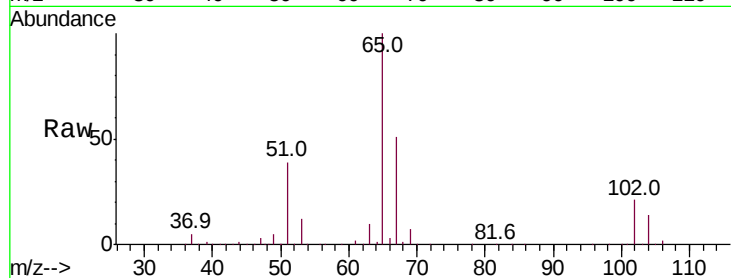
#33
 1,2-Dichloroethane-d4
 Concen: 48.630 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX011157.D
 Acq: 29 Jul 2019 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0681MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	107.8

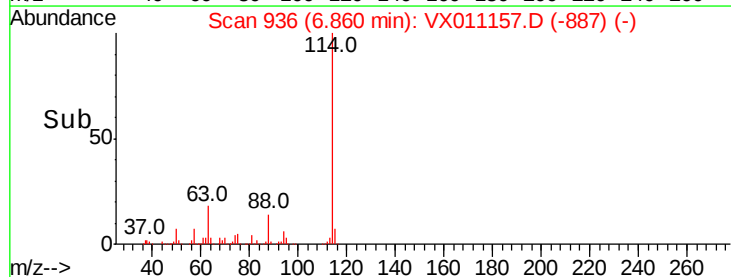
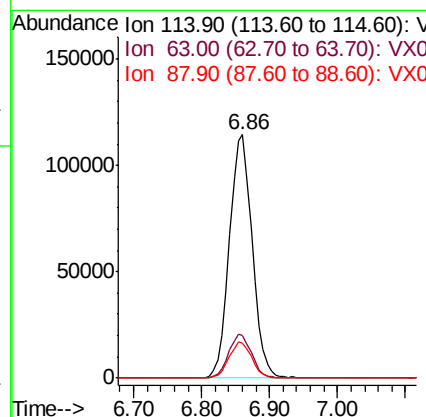
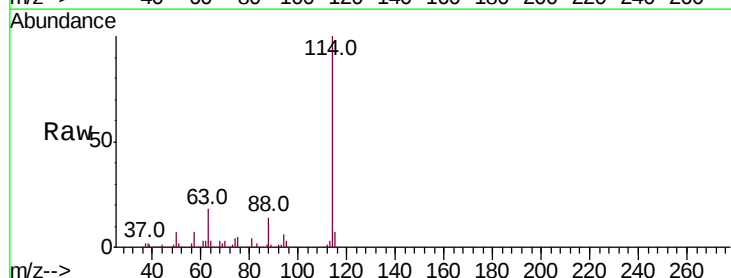
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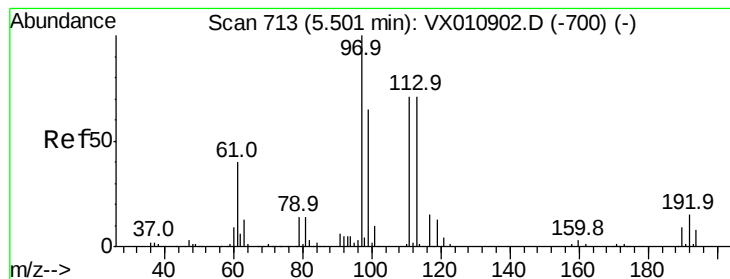
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX011157.D
 Acq: 29 Jul 2019 19:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	35.6
88	14.5	0.0	29.8





#35

Dibromofluoromethane

Concen: 49.052 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

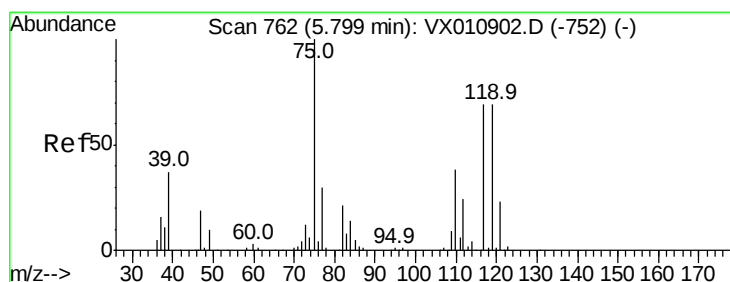
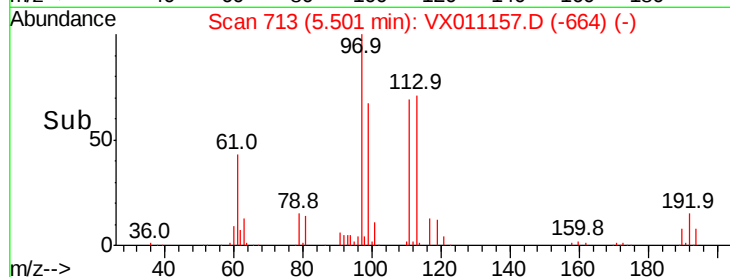
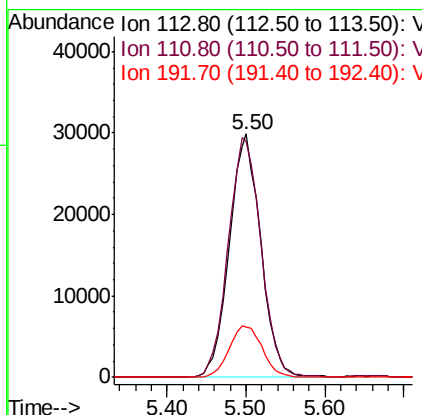
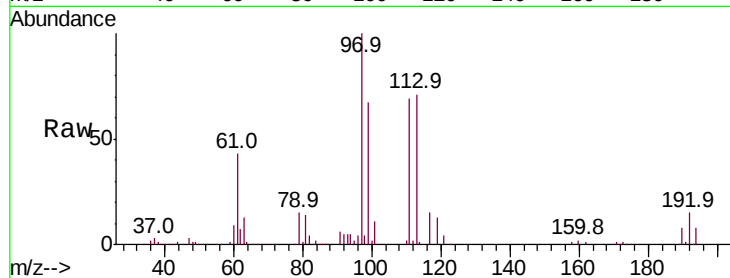
ClientSampleId :

Z3-0681MS

Tot Ion:	113	Resp:	82853
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.3	123.5
192	22.4	17.4	26.2

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#36

1,1-Dichloropropene

Concen: 50.075 ug/l

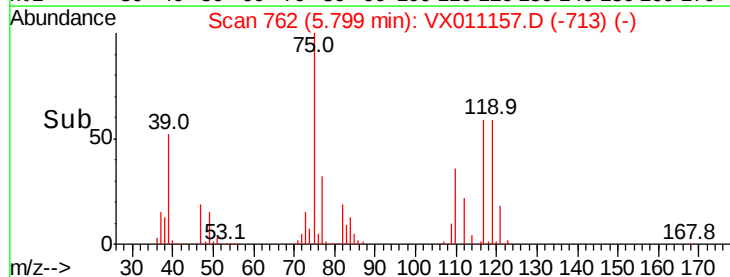
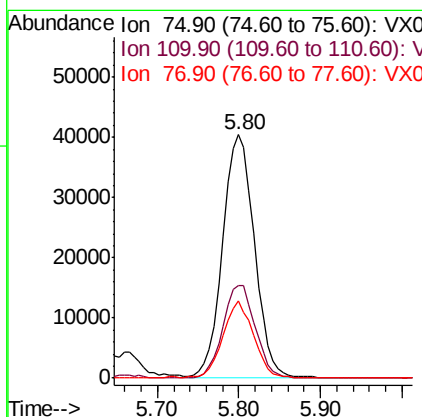
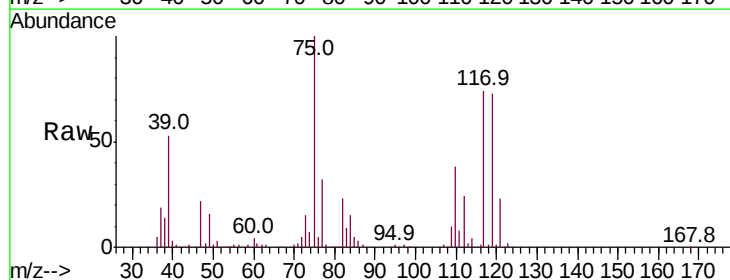
RT: 5.80 min Scan# 762

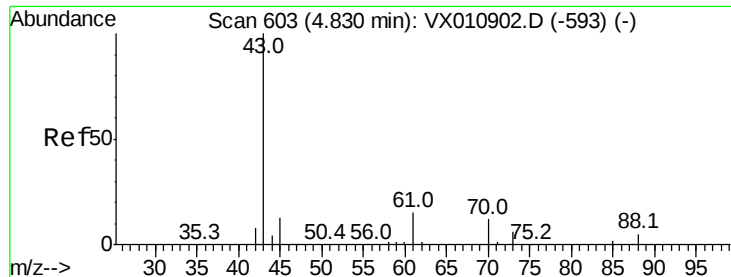
Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Tgt Ion:	75	Resp:	109459
Ion Ratio	Lower	Upper	
75	100		
110	38.8	19.9	59.7
77	29.9	25.0	37.4





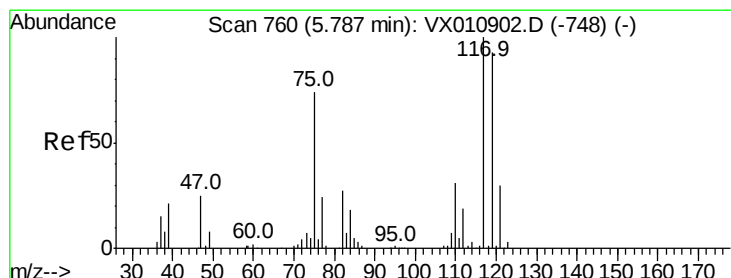
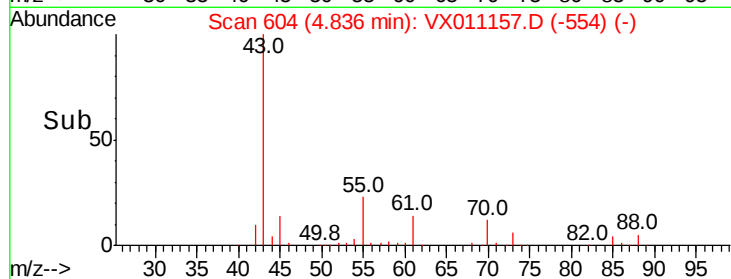
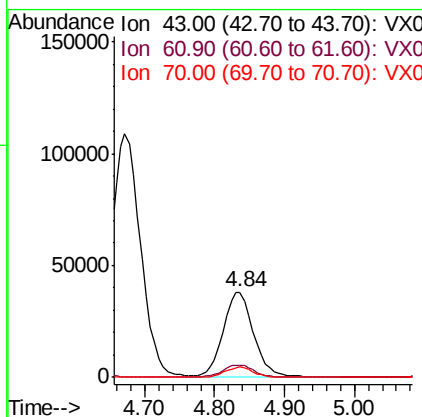
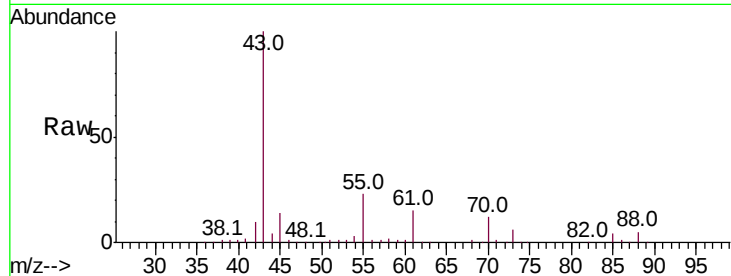
#37
Ethyl Acetate
Concen: 51.086 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Instrument :
MSVOA_X
ClientSampleID :
Z3-0681MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.6	17.4
70	11.4	9.1	13.7

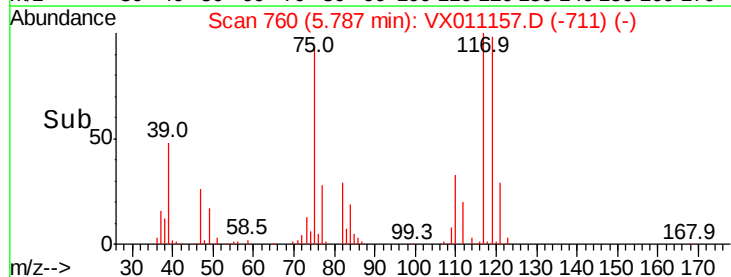
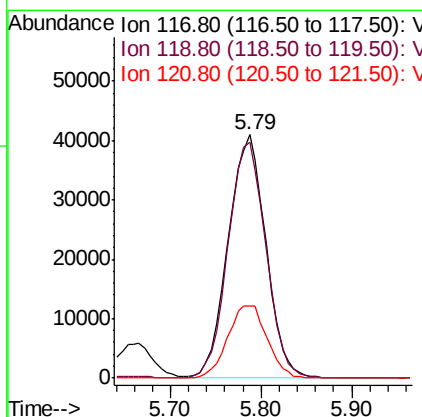
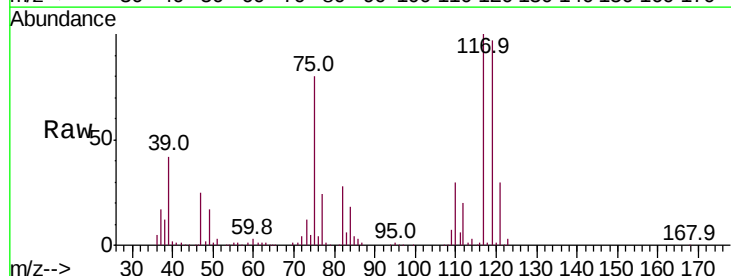
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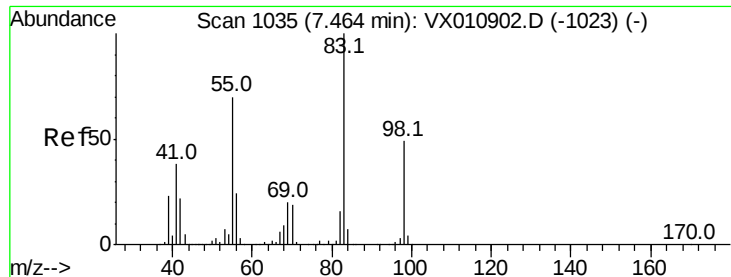
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#38
Carbon Tetrachloride
Concen: 51.824 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	74.2	111.2
121	29.7	24.2	36.2





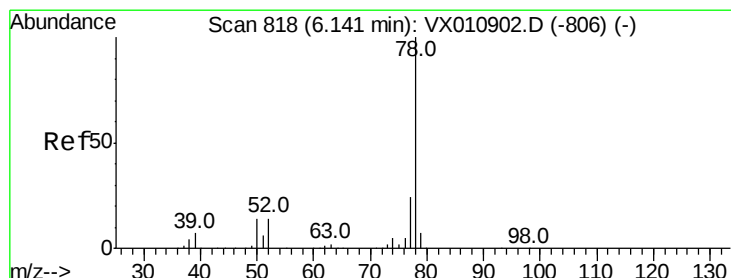
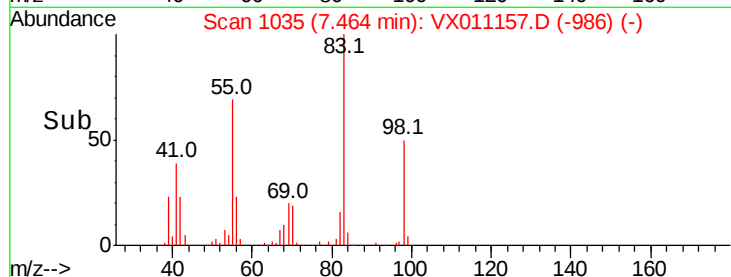
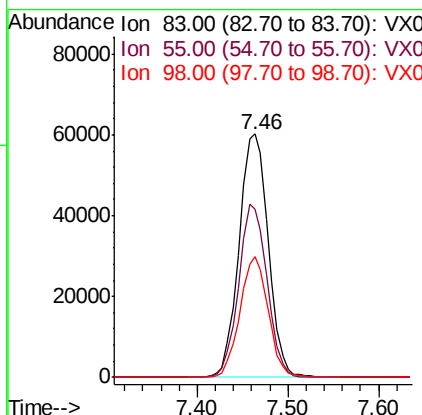
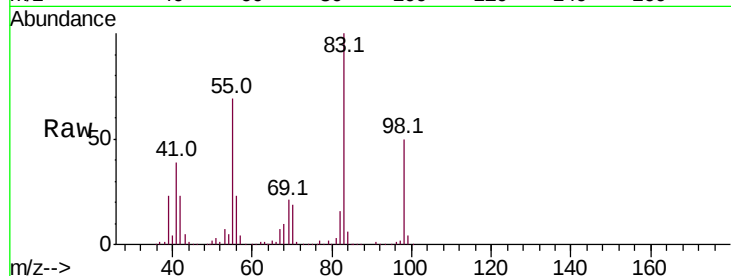
#39
Methvlcvclohexane
Concen: 47.327 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
Z3-0681MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	69.1	56.2	84.4	
98	49.7	39.0	58.4	

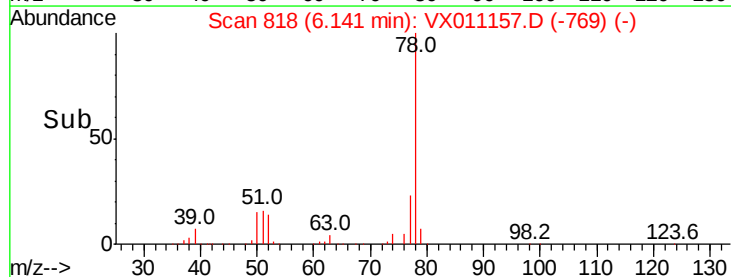
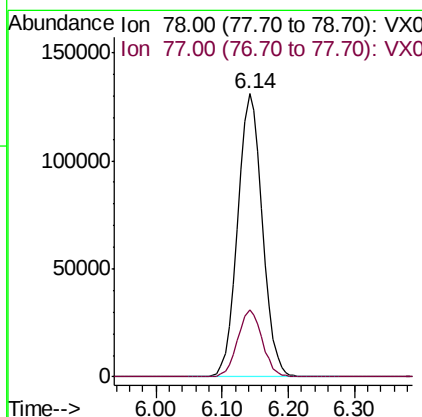
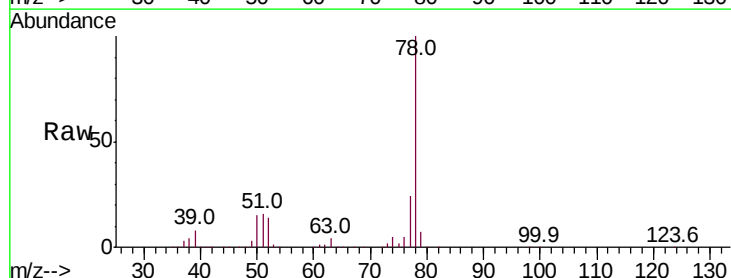
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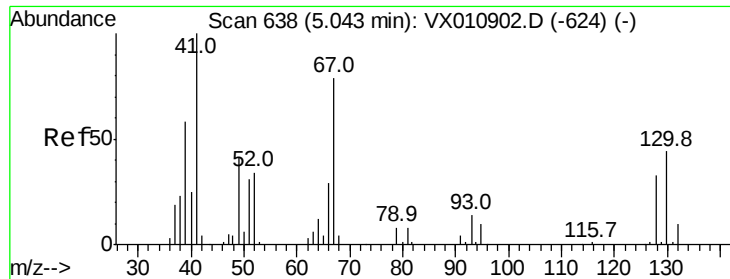
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#40
Benzene
Concen: 50.586 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	19.0	28.6	





#41

Methacrylonitrile

Concen: 50.943 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

ClientSampled :

Z3-0681MS

Tot Ion: 41 Resp: 64730

Ion Ratio Lower Upper

41 100

39 56.7 45.4 68.2

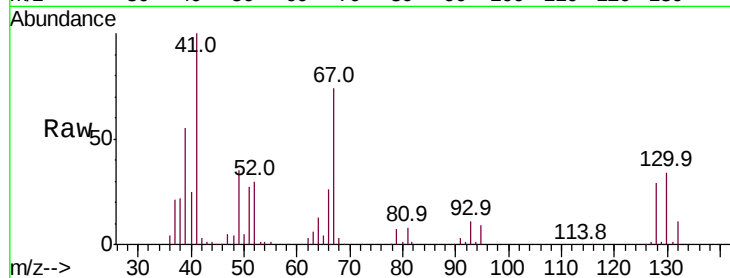
67 79.9 65.9 98.9

52 31.9 26.2 39.2

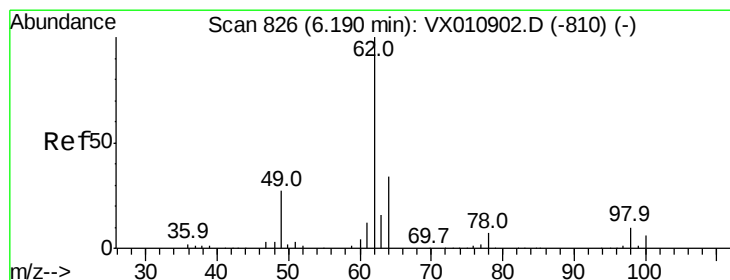
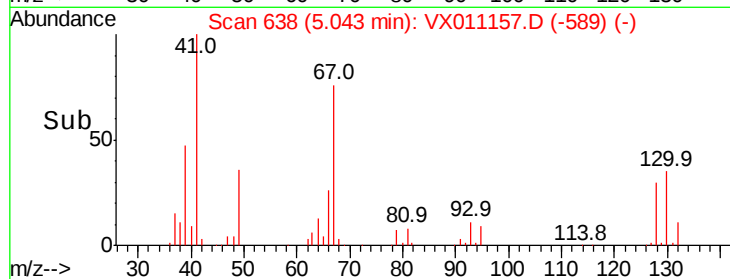
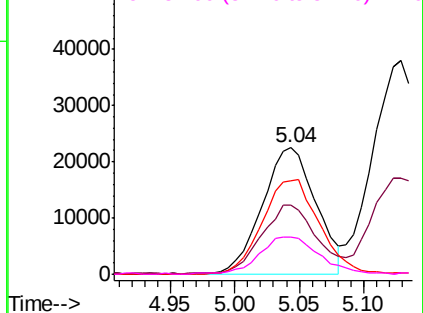
Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 52.008 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX011157.D

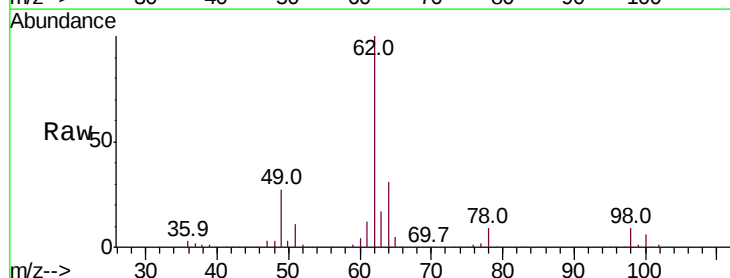
Acq: 29 Jul 2019 19:42

Tgt Ion: 62 Resp: 121081

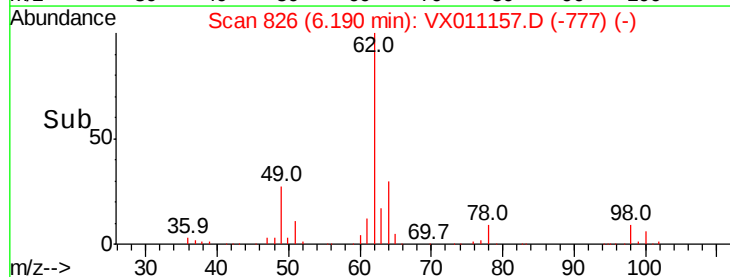
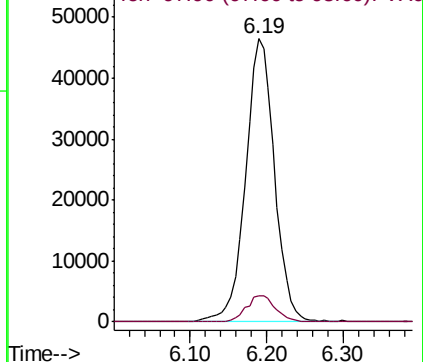
Ion Ratio Lower Upper

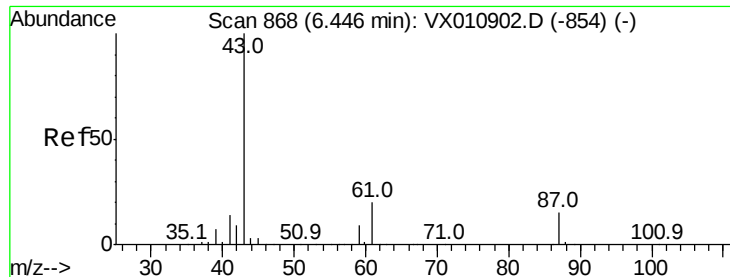
62 100

98 9.6 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

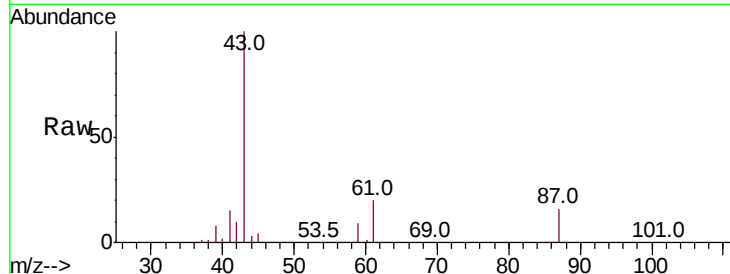
Isopropyl Acetate
 Concen: 50.461 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX011157.D
 Acq: 29 Jul 2019 19:42

Instrument :
 MSVOA_X
 ClientSampleID :
 Z3-0681MS

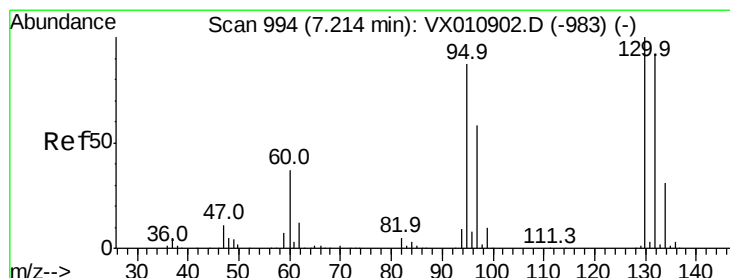
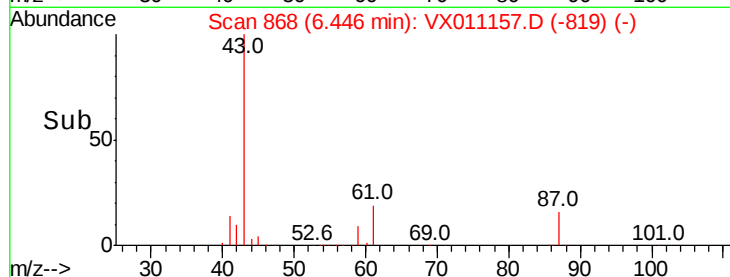
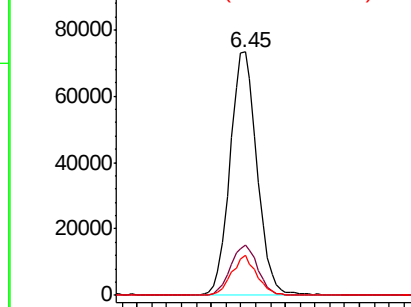
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	17.1	25.7
87	15.2	12.0	18.0

Manual Integrations
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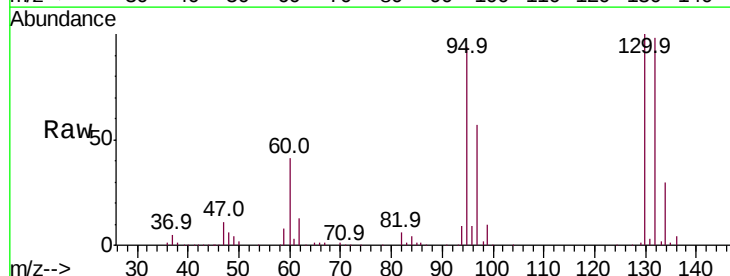
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



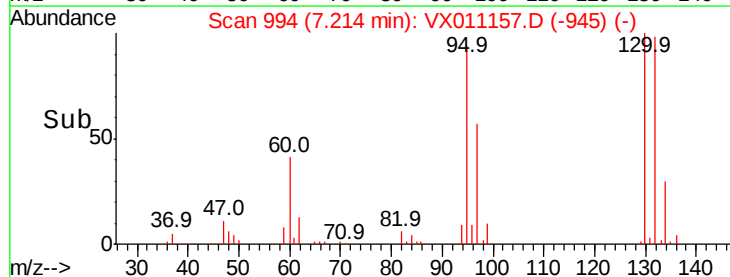
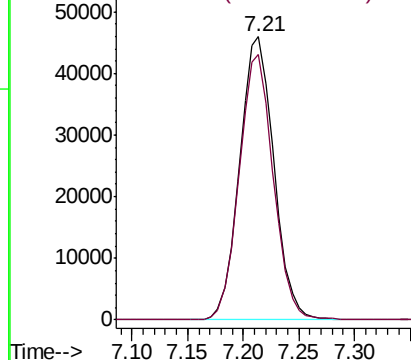
#44

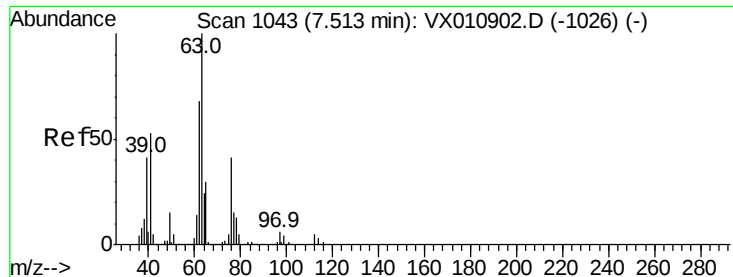
Trichloroethene
 Concen: 49.543 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX011157.D
 Acq: 29 Jul 2019 19:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	174.8



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 51.259 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0681MS

Tot Ion: 63 Resp: 87357

Ion Ratio Lower Upper

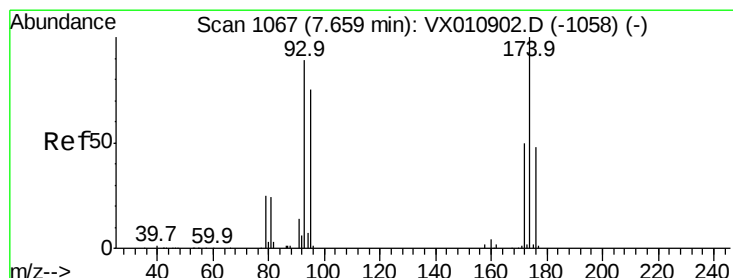
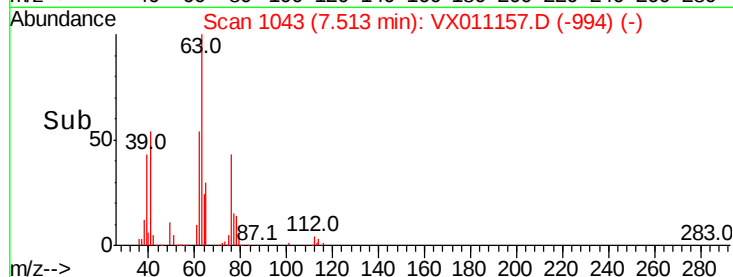
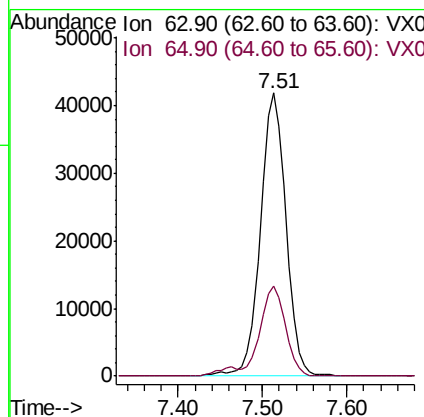
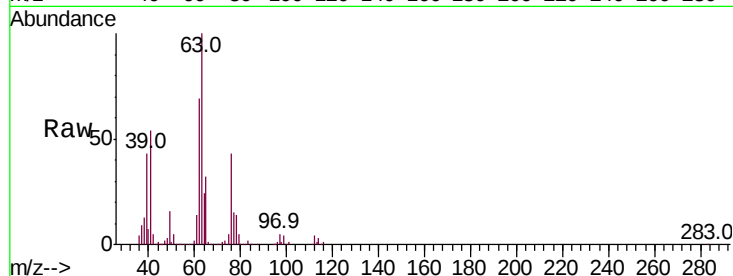
63 100

65 31.6 24.4 36.6

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#46

Dibromomethane

Concen: 51.440 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

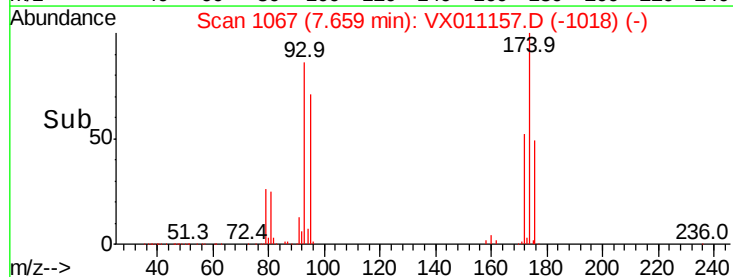
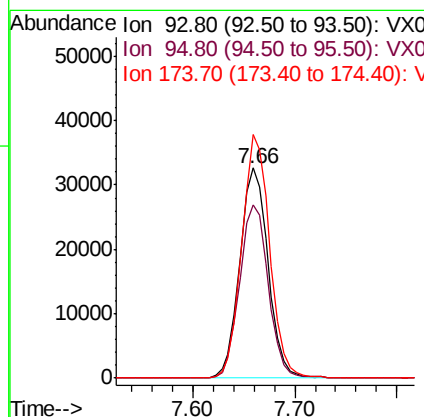
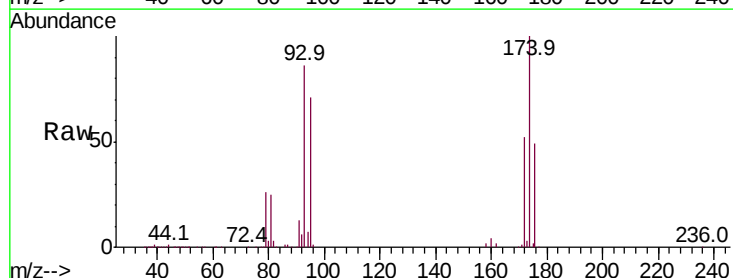
Tgt Ion: 93 Resp: 62643

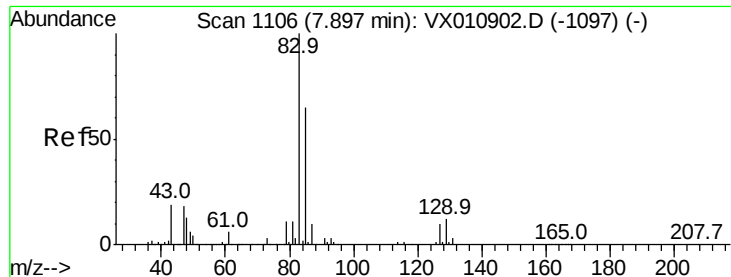
Ion Ratio Lower Upper

93 100

95 83.7 67.2 100.8

174 114.8 90.6 135.8





#47

Bromodichloromethane

Concen: 54.673 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

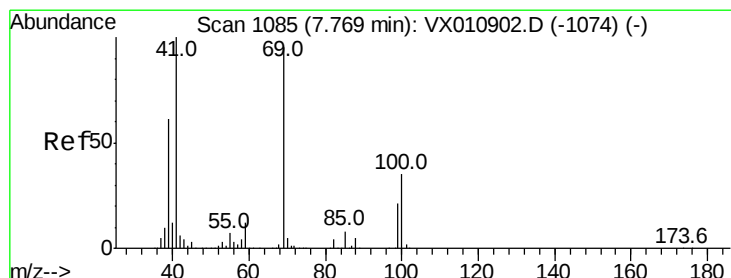
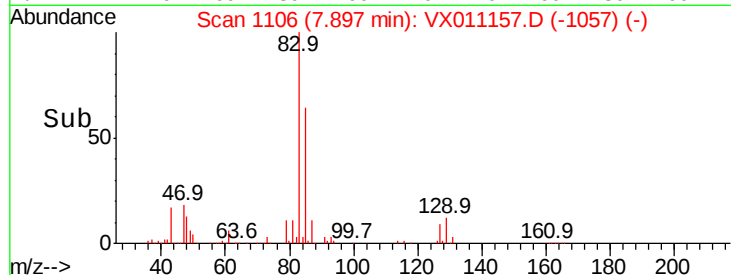
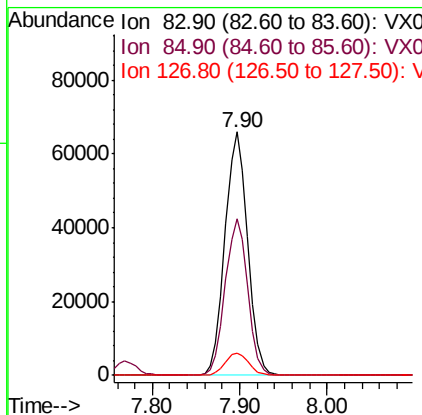
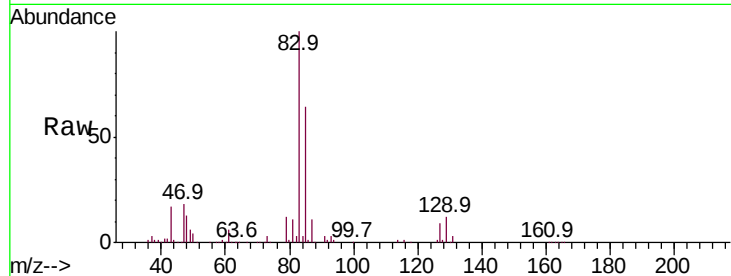
ClientSampleId :

Z3-0681MS

Tot Ion:	83	Resp:	118517
Ion Ratio	Lower	Upper	
83	100		
85	64.3	52.5	78.7
127	9.3	7.8	11.8

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#48

Methyl methacrylate

Concen: 53.117 ug/l

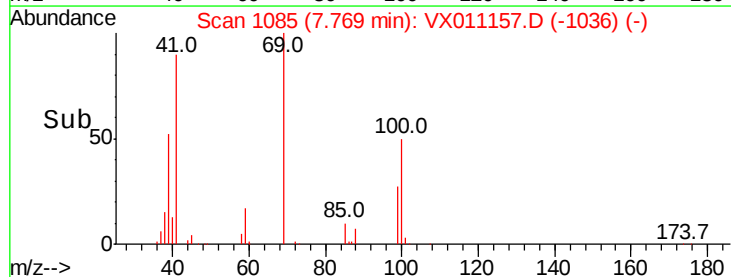
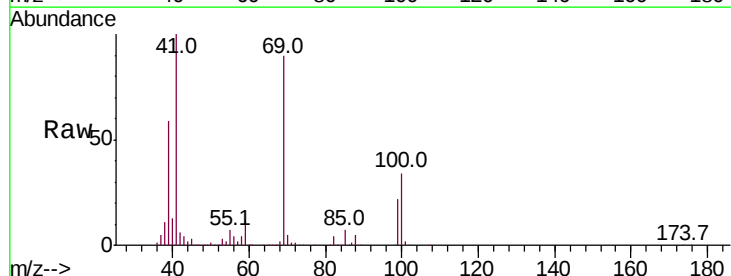
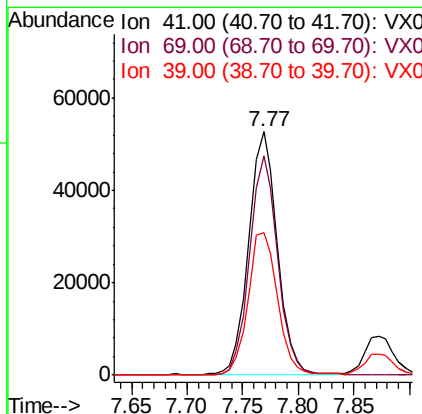
RT: 7.77 min Scan# 1085

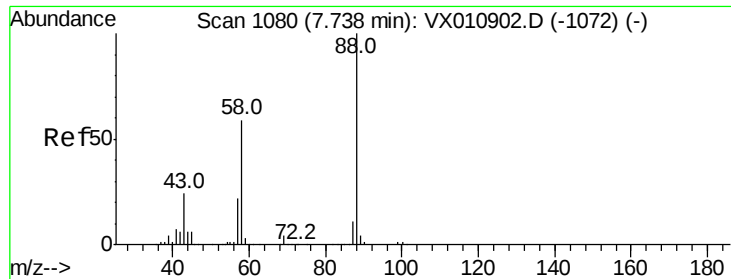
Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Tgt Ion:	41	Resp:	95235
Ion Ratio	Lower	Upper	
41	100		
69	88.6	74.4	111.6
39	59.4	48.9	73.3





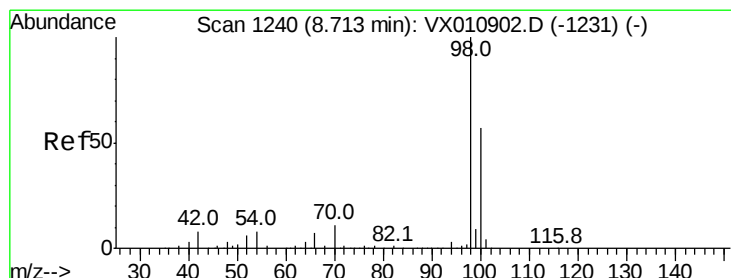
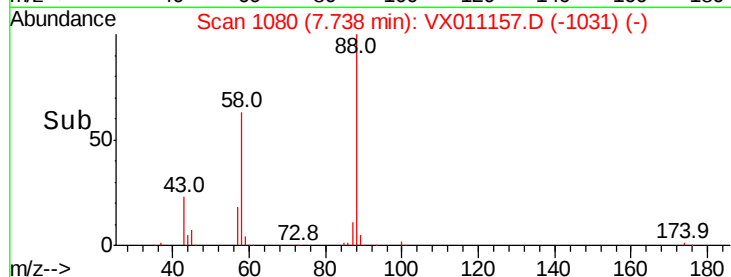
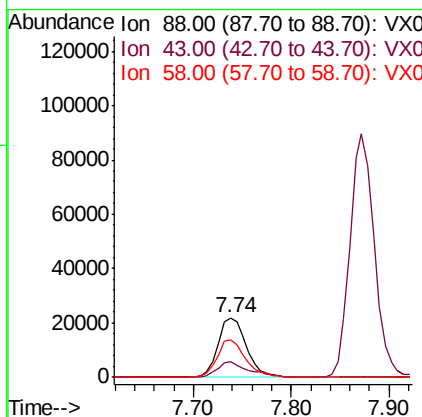
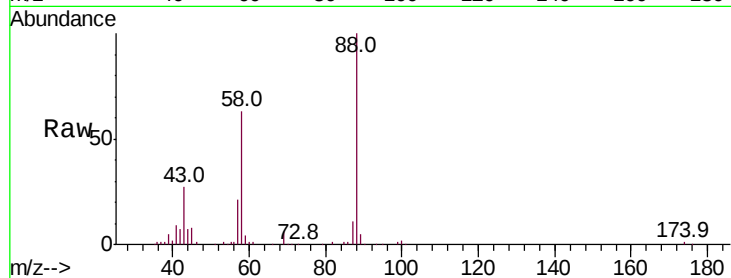
#49
1,4-Dioxane
Concen: 880.513 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
Z3-0681MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.4	22.9	34.3
58	63.9	49.8	74.8

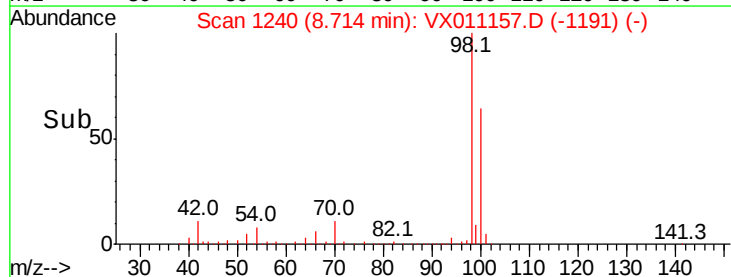
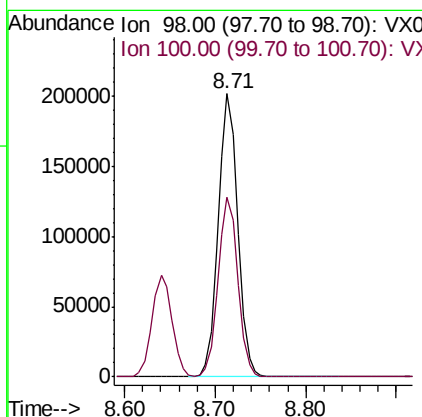
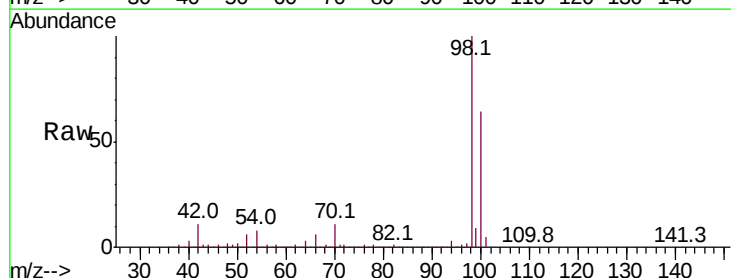
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#50
Toluene-d8
Concen: 47.957 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 273.537 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0681MS

Tot Ion: 43 Resp: 652608

Ion Ratio Lower Upper

43 100

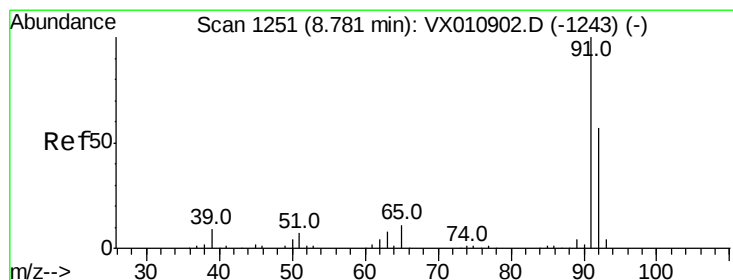
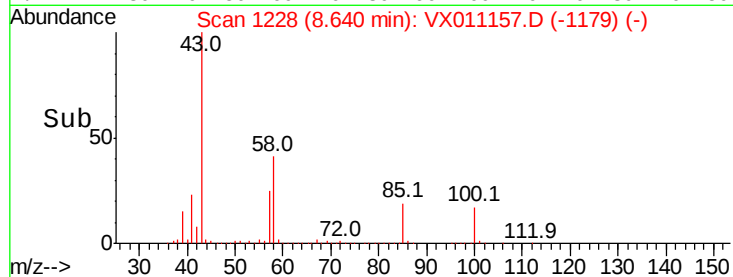
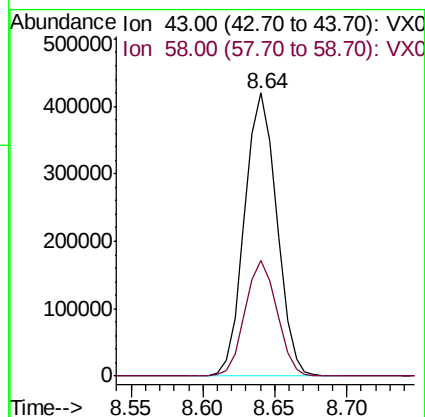
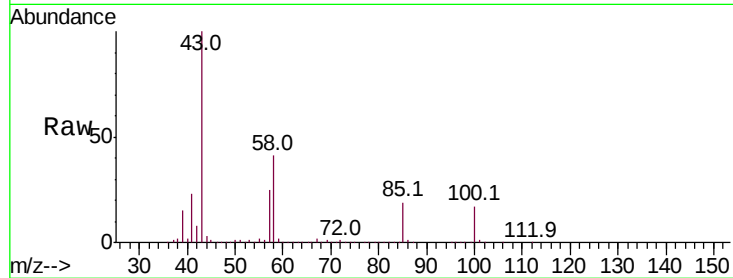
58 40.3 32.2 48.4

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#52

Toluene

Concen: 50.459 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011157.D

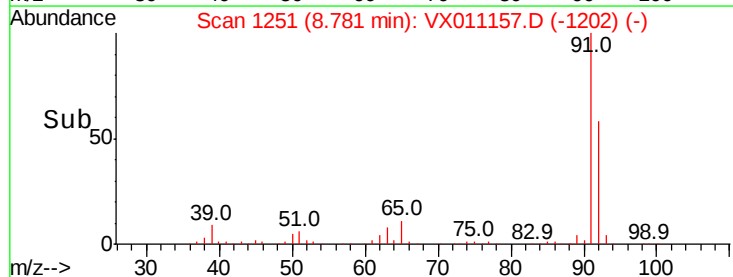
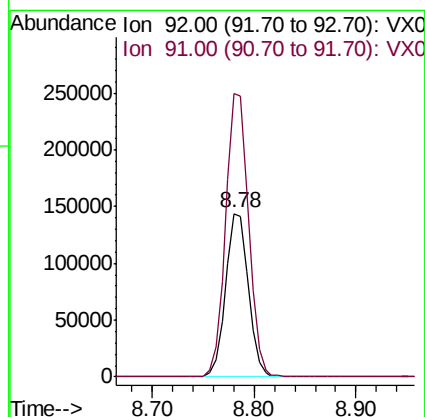
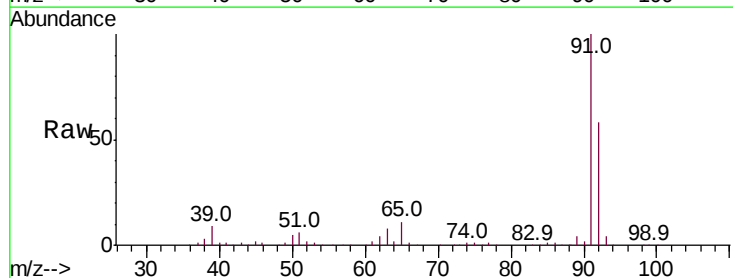
Acq: 29 Jul 2019 19:42

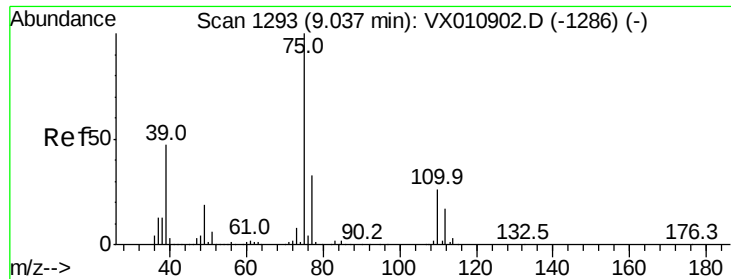
Tgt Ion: 92 Resp: 221957

Ion Ratio Lower Upper

92 100

91 175.6 139.4 209.0





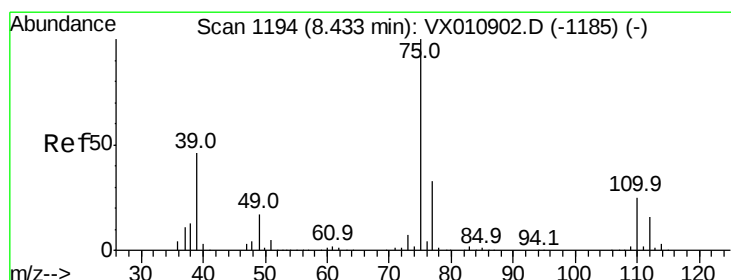
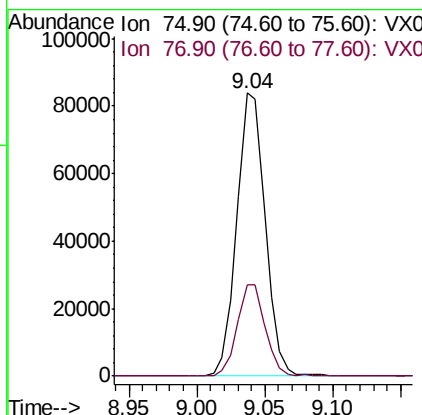
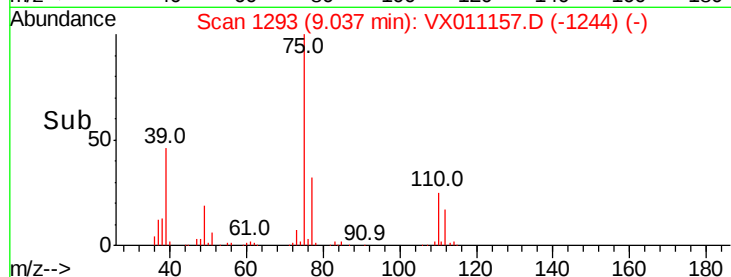
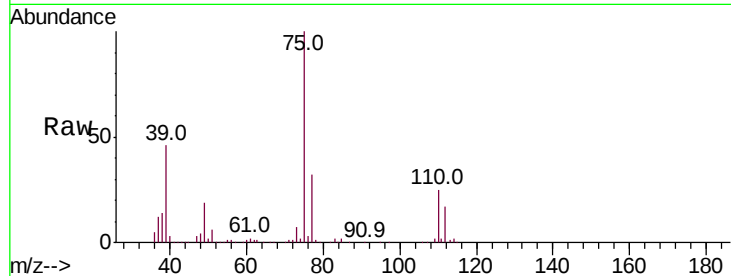
#53
t-1,3-Dichloropropene
Concen: 52.444 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
Z3-0681MS

Tot Ion: 75 Resp: 122242
Ion Ratio Lower Upper
75 100
77 32.4 26.2 39.2

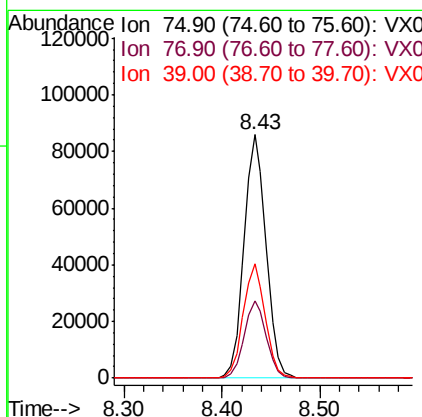
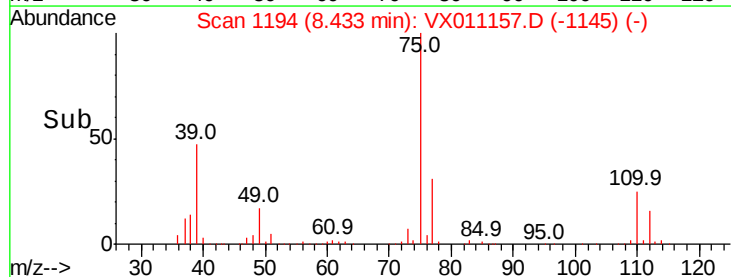
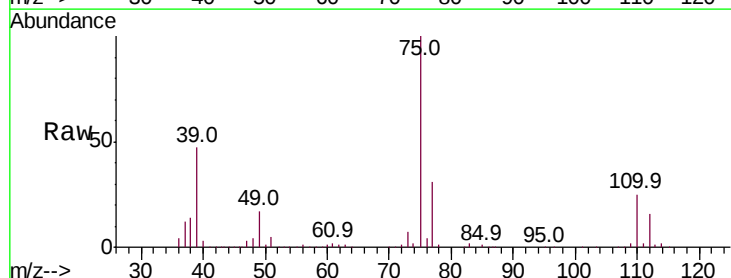
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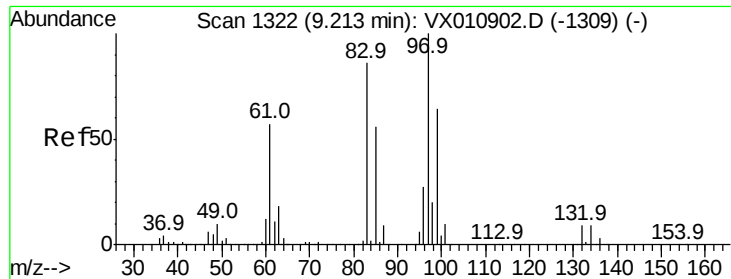
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#54
cis-1,3-Dichloropropene
Concen: 51.643 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Tgt Ion: 75 Resp: 133946
Ion Ratio Lower Upper
75 100
77 31.5 26.1 39.1
39 47.0 36.6 54.8





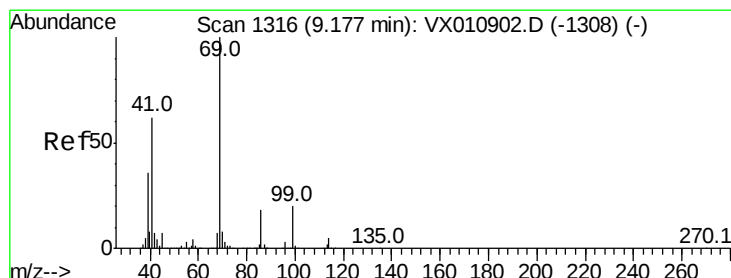
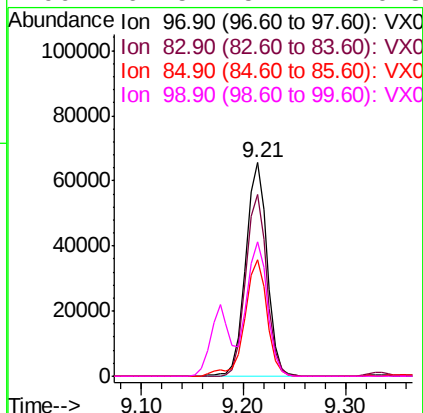
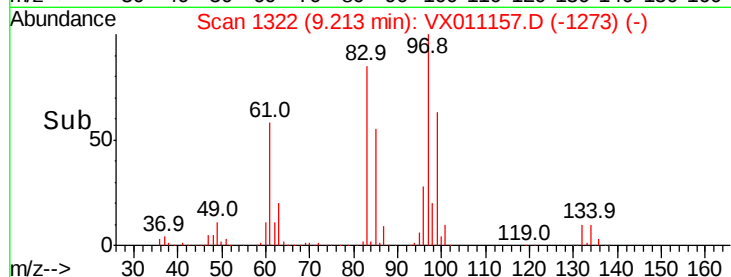
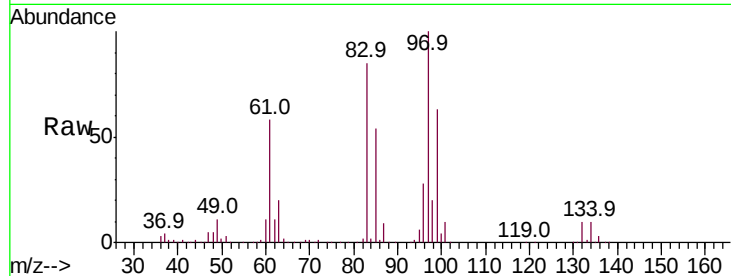
#55
 1,1,2-Trichloroethane
 Concen: 52.915 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011157.D
 Acq: 29 Jul 2019 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0681MS

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.2	103.8
85	54.5	44.6	66.8
99	62.5	51.2	76.8

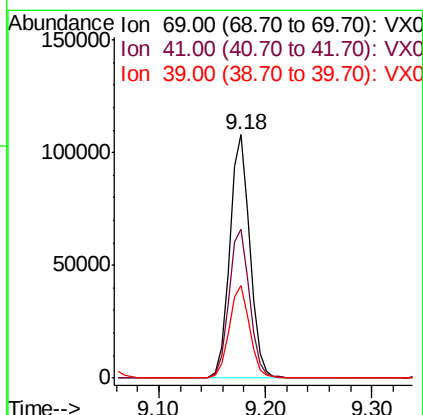
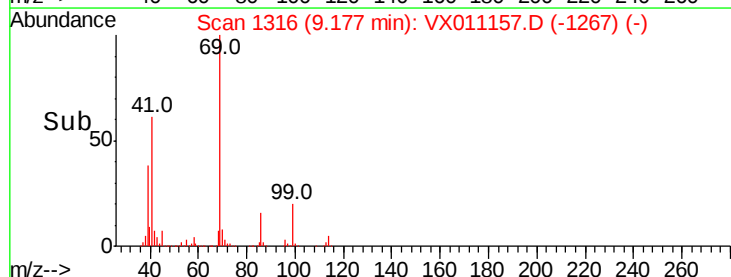
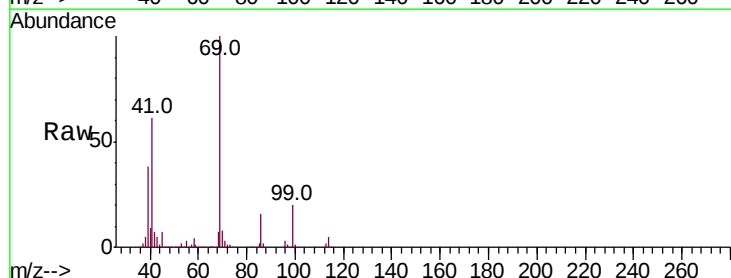
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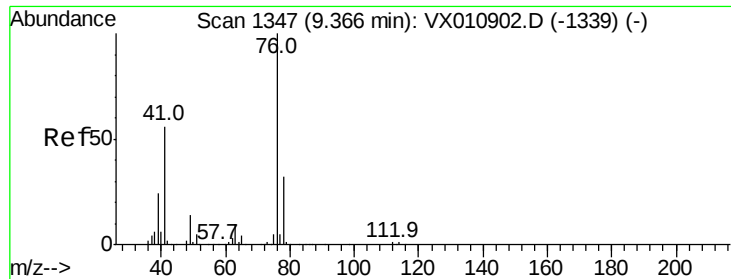
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#56
 Ethyl methacrylate
 Concen: 54.166 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011157.D
 Acq: 29 Jul 2019 19:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.6	49.7	74.5
39	38.2	29.6	44.4





#57

1,3-Dichloropropane

Concen: 52.357 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0681MS

Tot Ion: 76 Resp: 150430

Ion Ratio Lower Upper

76 100

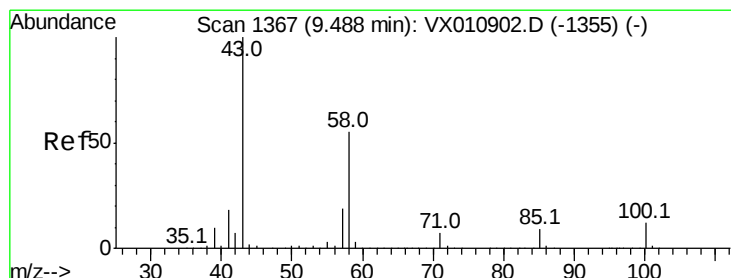
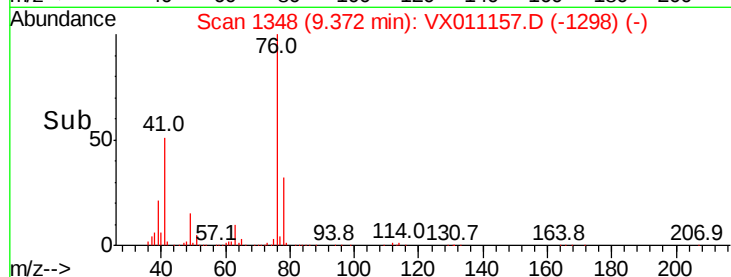
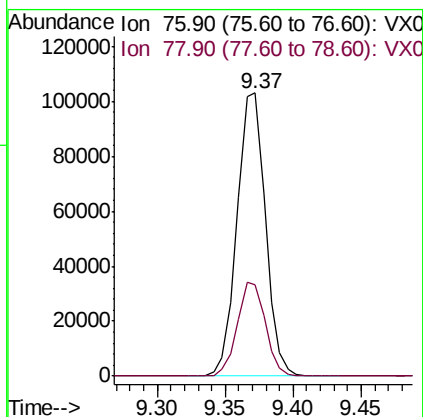
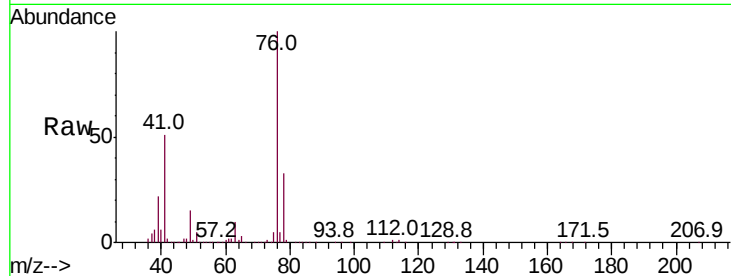
78 32.9 25.6 38.4

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#59

2-Hexanone

Concen: 274.957 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VX011157.D

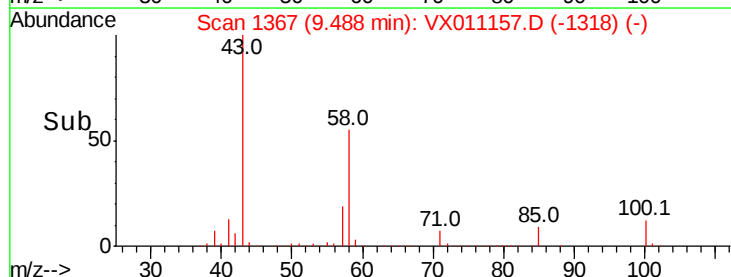
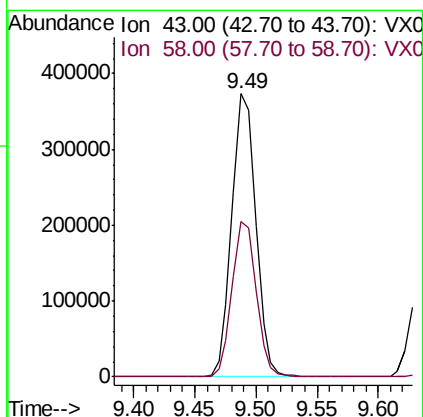
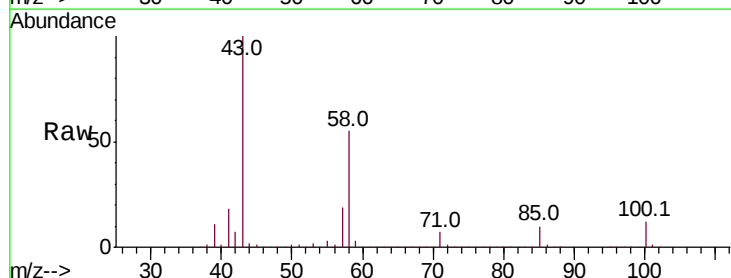
Acq: 29 Jul 2019 19:42

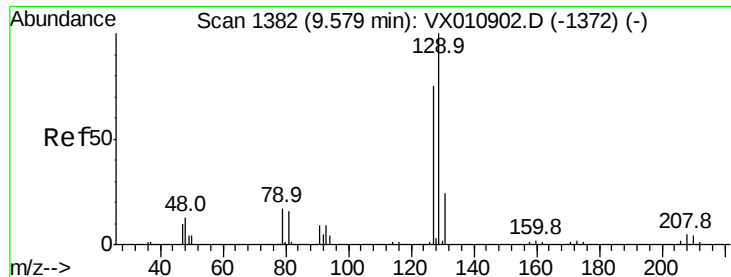
Tgt Ion: 43 Resp: 508801

Ion Ratio Lower Upper

43 100

58 55.3 28.0 83.9





#60

Dibromochloromethane

Concen: 49.876 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0681MS

Tot Ion:129 Resp: 103949

Ion Ratio Lower Upper

129 100

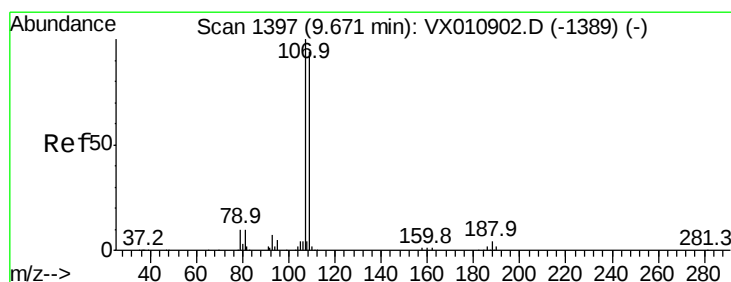
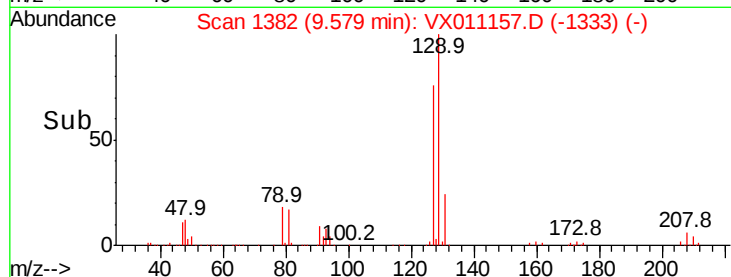
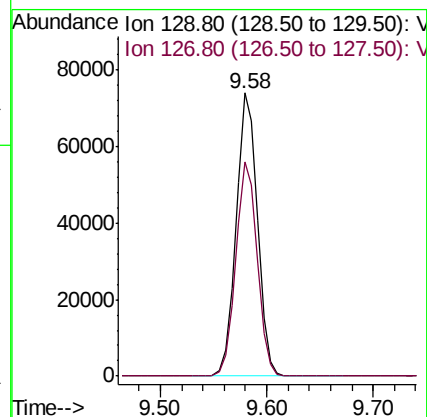
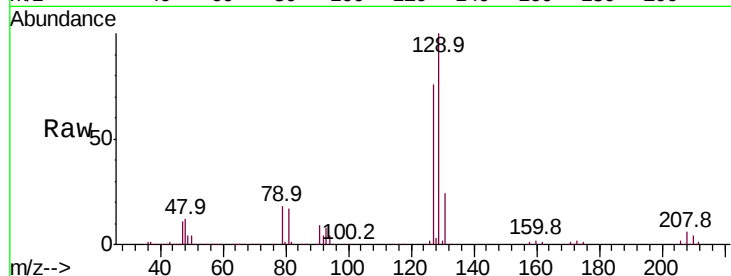
127 76.2 38.6 115.8

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#61

1,2-Dibromoethane

Concen: 52.906 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011157.D

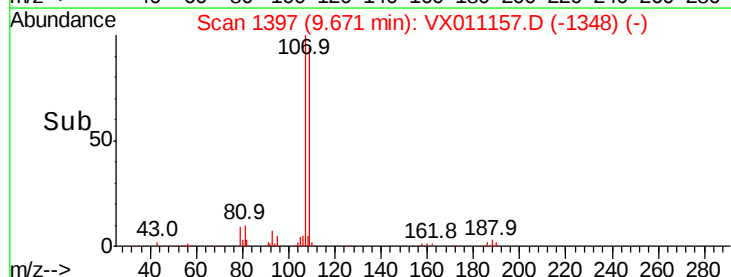
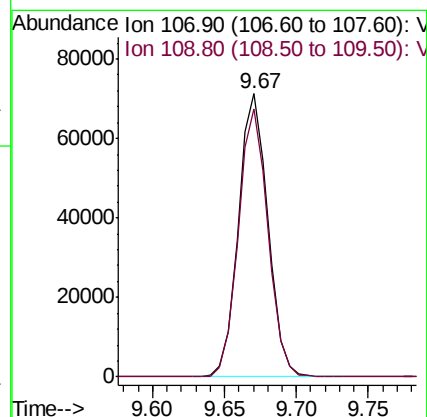
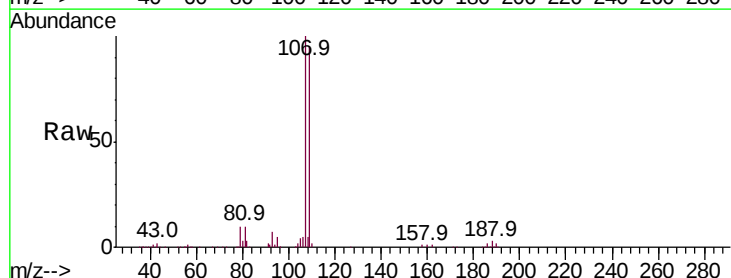
Acq: 29 Jul 2019 19:42

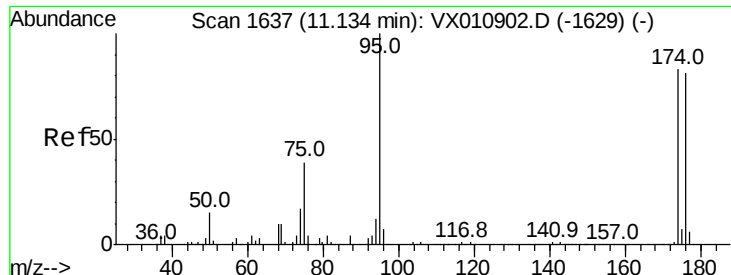
Tgt Ion:107 Resp: 101691

Ion Ratio Lower Upper

107 100

109 95.0 75.4 113.0





#62

4-Bromofluorobenzene

Concen: 49.971 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0681MS

Tot Ion: 95 Resp: 116365

Ion Ratio Lower Upper

95 100

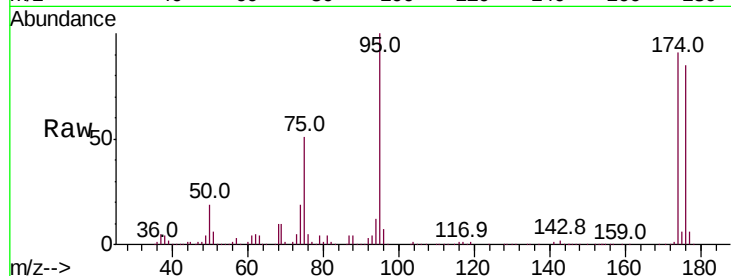
174 92.4 0.0 180.6

176 89.2 0.0 173.8

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Abundance Ion 94.90 (94.60 to 95.60): VX010902.D (-1629) (-)

Ion 173.80 (173.50 to 174.50): VX010902.D (-1629) (-)

Ion 175.80 (175.50 to 176.50): VX010902.D (-1629) (-)

11.13

80000

60000

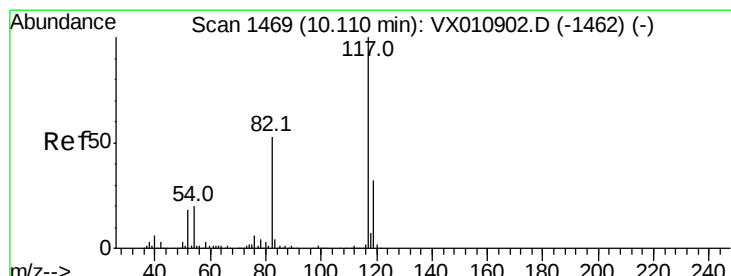
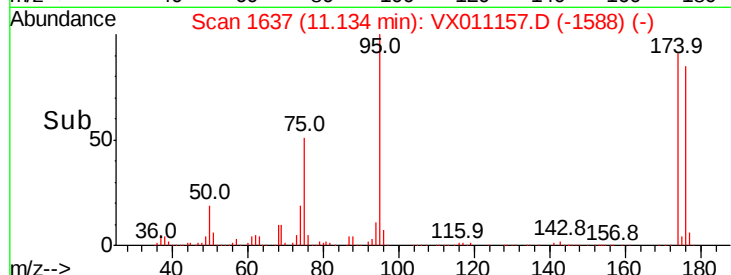
40000

20000

0

11.10 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

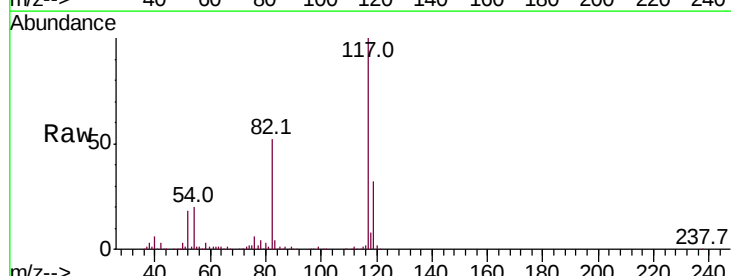
Tgt Ion: 117 Resp: 249291

Ion Ratio Lower Upper

117 100

82 51.7 42.6 63.8

119 32.3 25.9 38.9



Abundance Ion 116.90 (116.60 to 117.60): VX010902.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010902.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010902.D (-1462) (-)

10.11

200000

150000

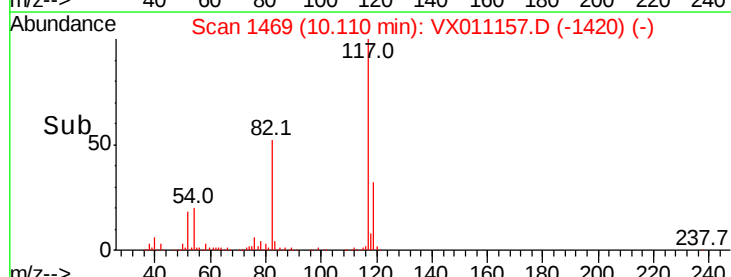
100000

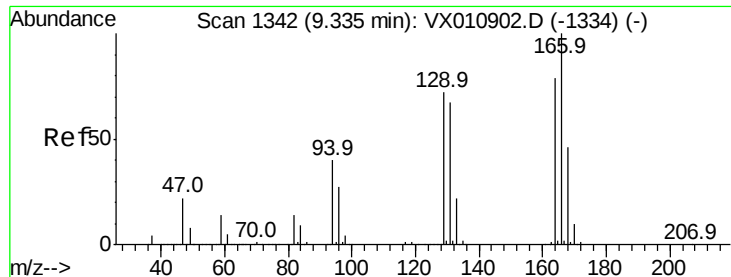
50000

0

10.10 10.20

Time-->





#64

Tetrachloroethene

Concen: 43.787 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0681MS

Tot Ion:164 Resp: 85872

Ion Ratio Lower Upper

164 100

166 128.0 100.8 151.2

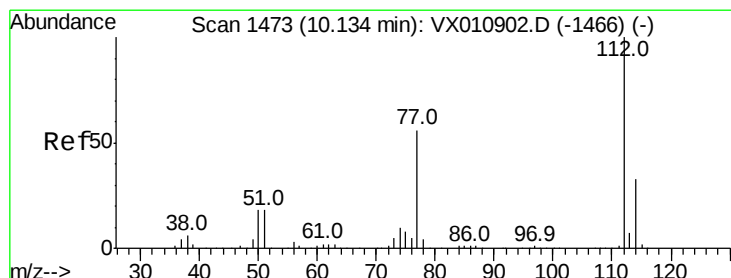
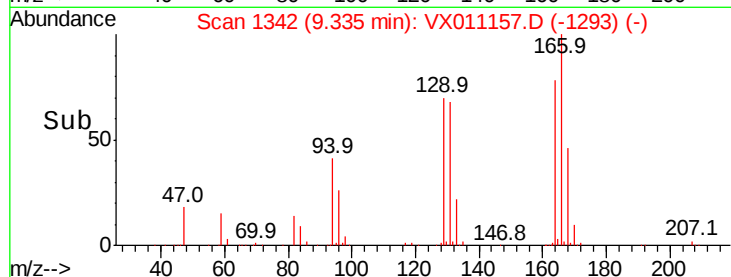
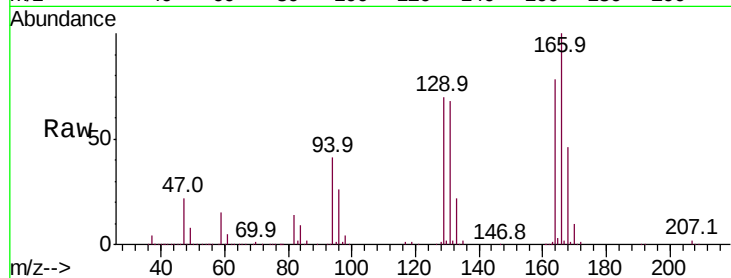
129 89.1 72.6 109.0

131 86.5 67.7 101.5

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#65

Chlorobenzene

Concen: 49.754 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011157.D

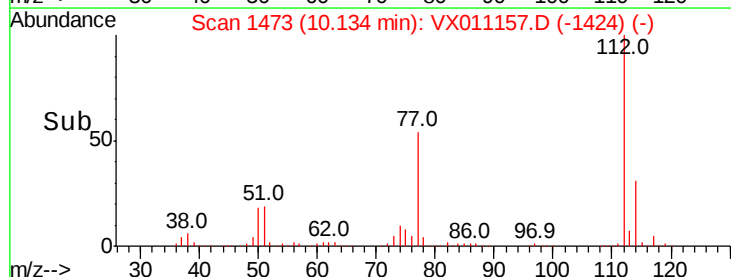
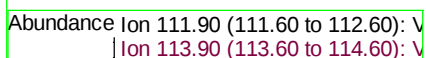
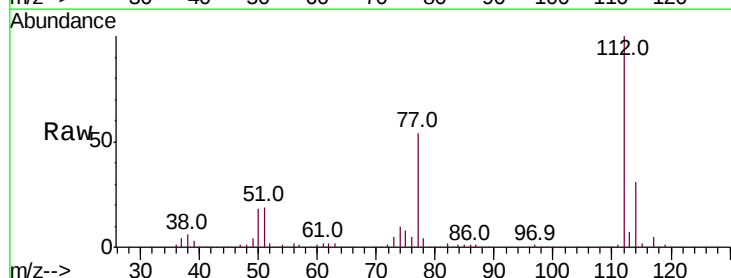
Acq: 29 Jul 2019 19:42

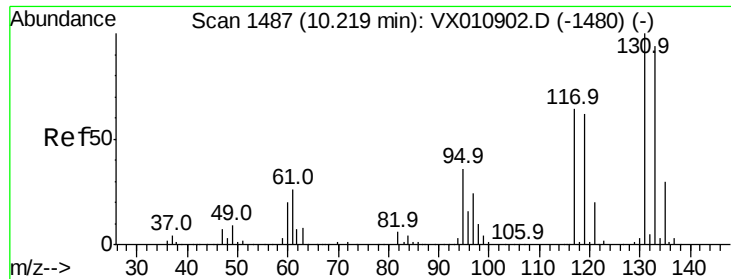
Tgt Ion:112 Resp: 254753

Ion Ratio Lower Upper

112 100

114 31.3 26.2 39.4





#66

1,1,1,2-Tetrachloroethane

Concen: 52.853 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0681MS

Tot Ion:131 Resp: 95111

Ion Ratio Lower Upper

131 100

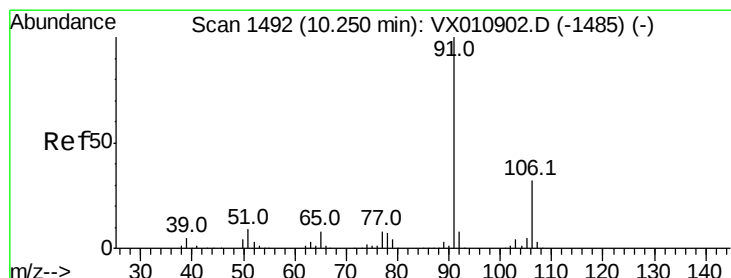
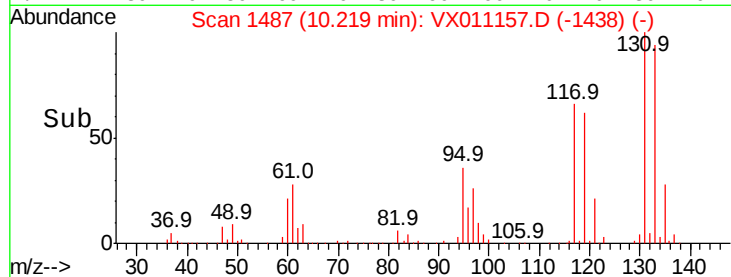
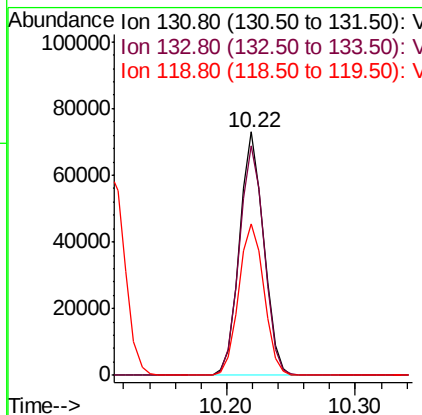
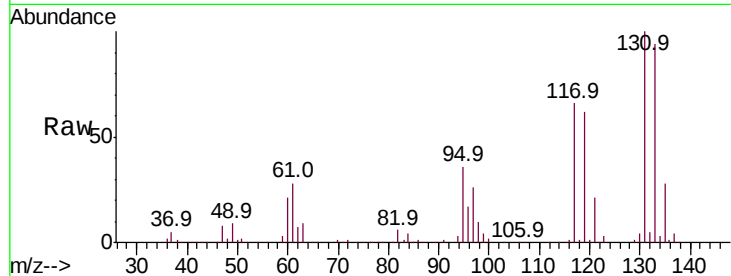
133 96.5 47.1 141.4

119 65.1 31.9 95.7

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#67

Ethyl Benzene

Concen: 50.749 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011157.D

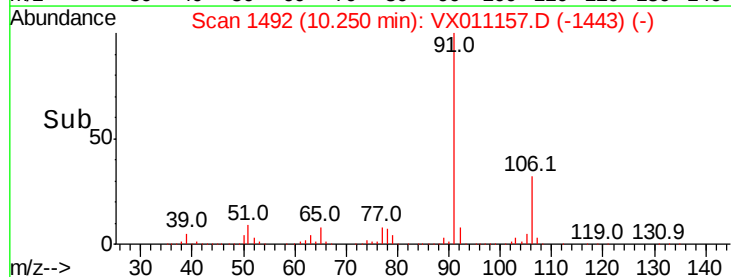
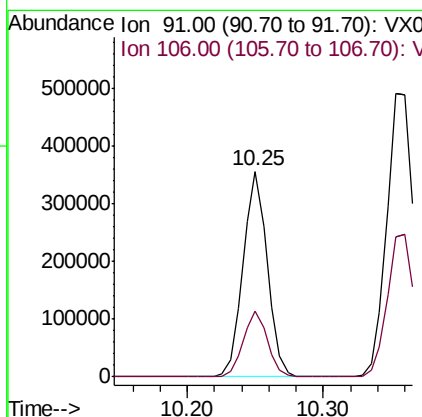
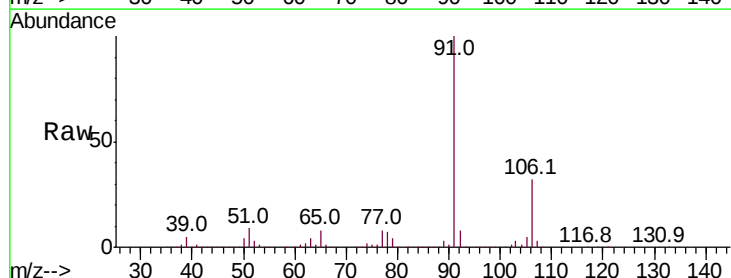
Acq: 29 Jul 2019 19:42

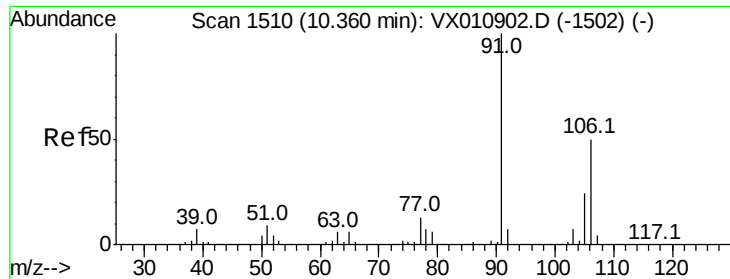
Tgt Ion: 91 Resp: 442292

Ion Ratio Lower Upper

91 100

106 32.1 25.4 38.2





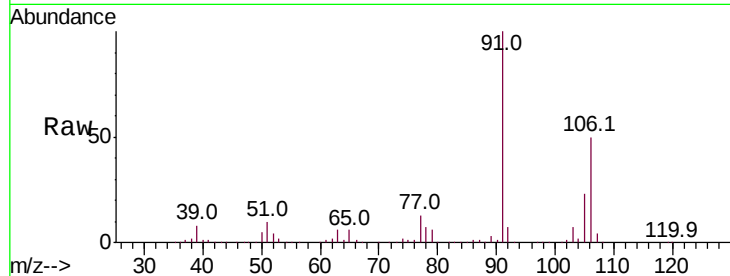
#68
m/p-Xylenes
Concen: 101.682 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Instrument :
MSVOA_X
ClientSampled :
Z3-0681MS

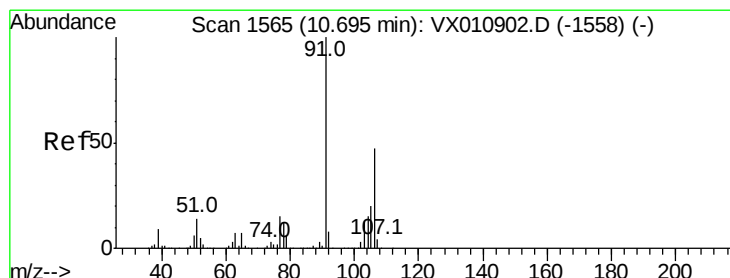
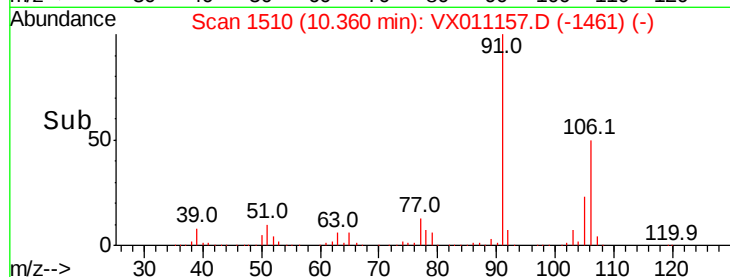
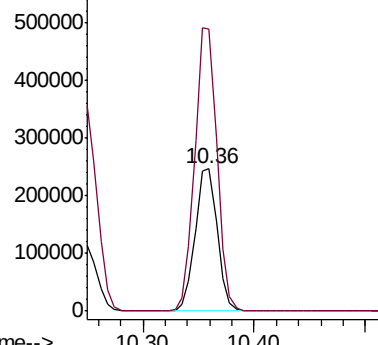
Tot Ion:106 Resp: 339934
Ion Ratio Lower Upper
106 100
91 200.2 160.1 240.1

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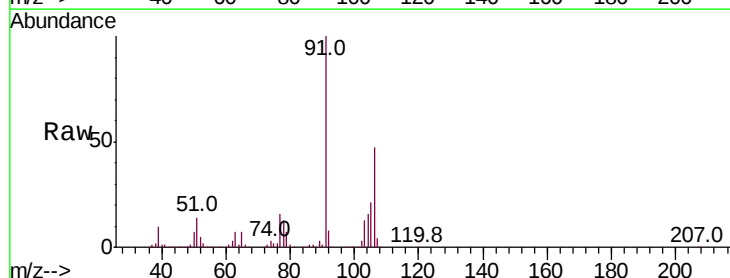


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

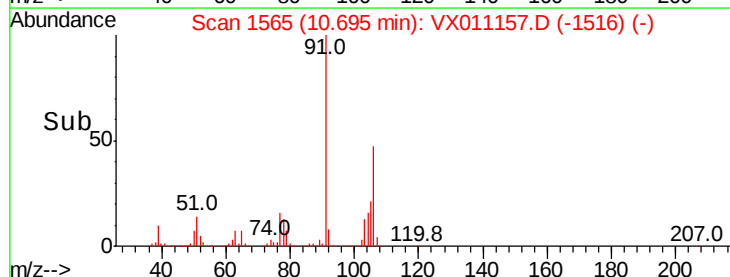
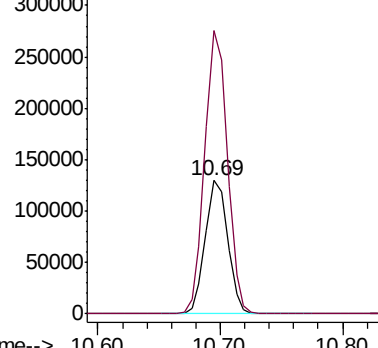


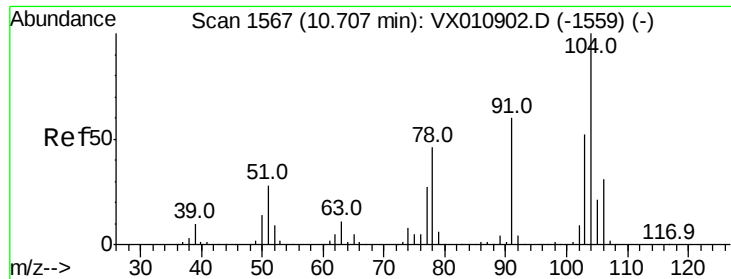
#69
o-Xylene
Concen: 50.759 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Tgt Ion:106 Resp: 165611
Ion Ratio Lower Upper
106 100
91 211.6 105.1 315.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





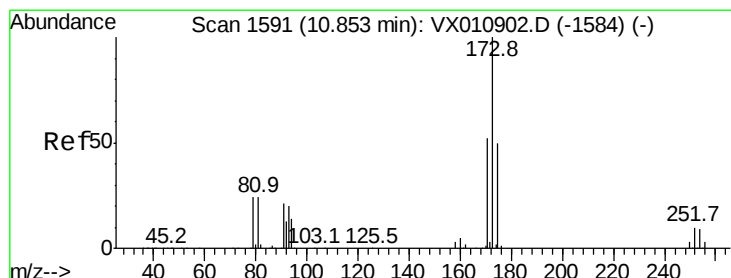
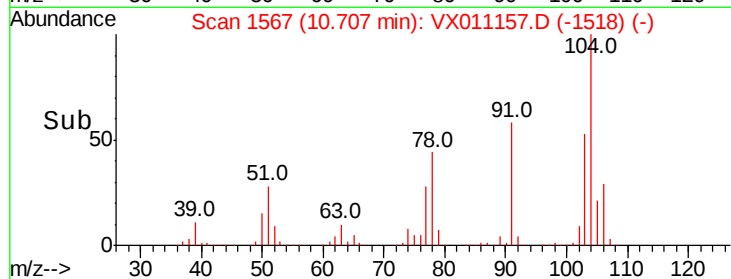
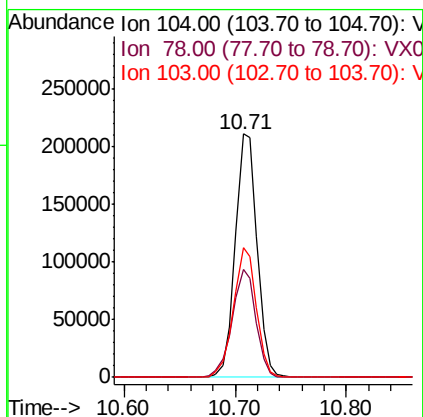
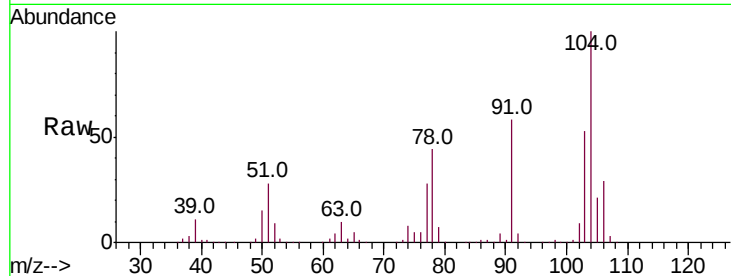
#70
Stvrene
Concen: 52.602 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Instrument :
MSVOA_X
ClientSampled :
Z3-0681MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.8	58.2
103	55.9	44.2	66.4

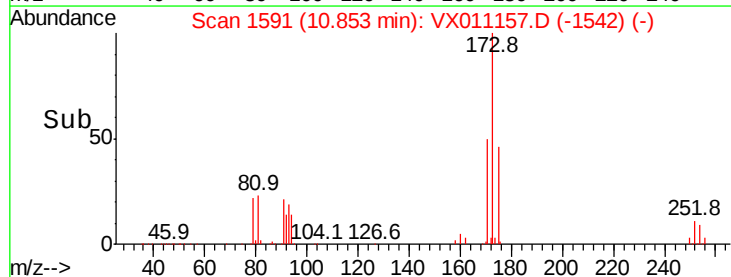
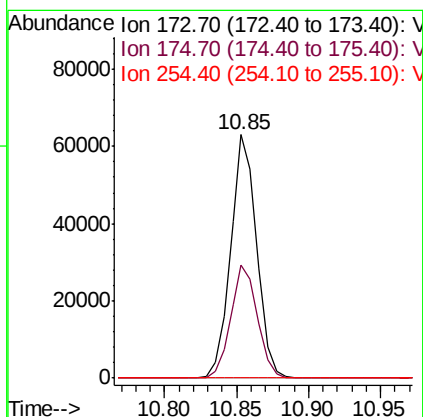
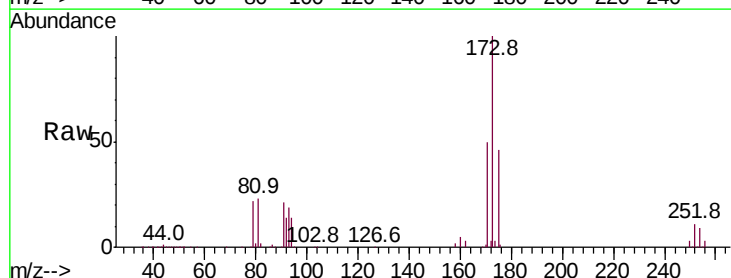
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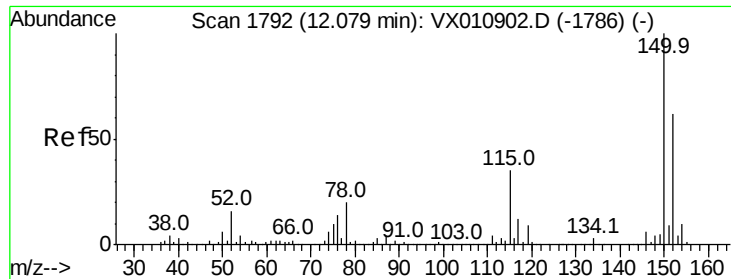
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#71
Bromoform
Concen: 48.640 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.6	73.6
254	0.1	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0681MS

Tot Ion:152 Resp: 137896

Ion Ratio Lower Upper

152 100

115 79.1 39.7 119.1

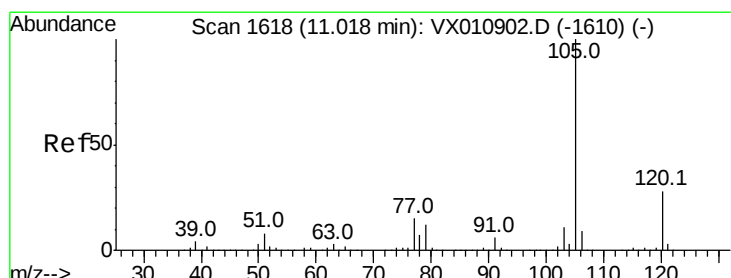
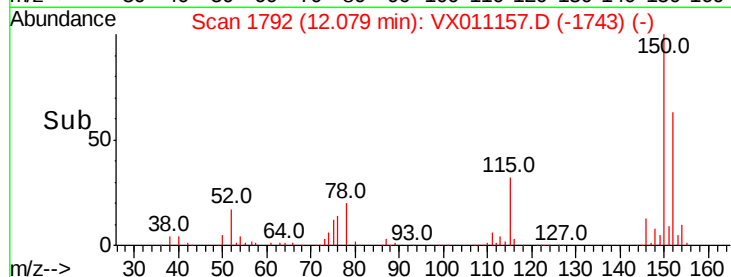
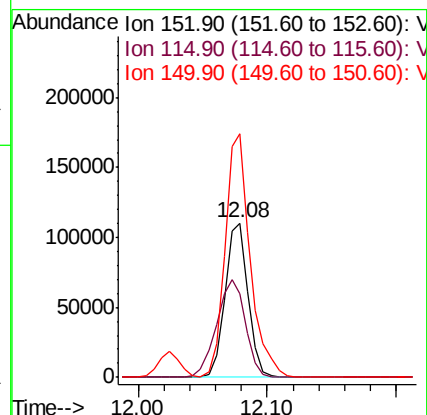
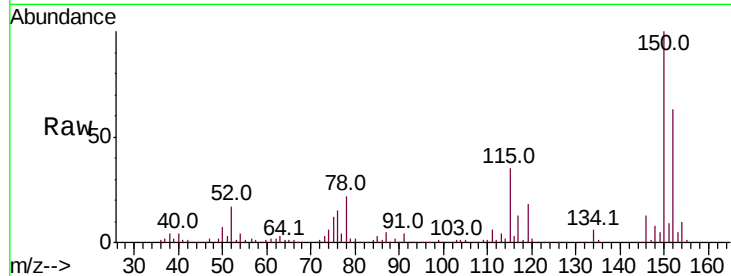
150 171.5 0.0 345.6

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#73

Isopropylbenzene

Concen: 48.771 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011157.D

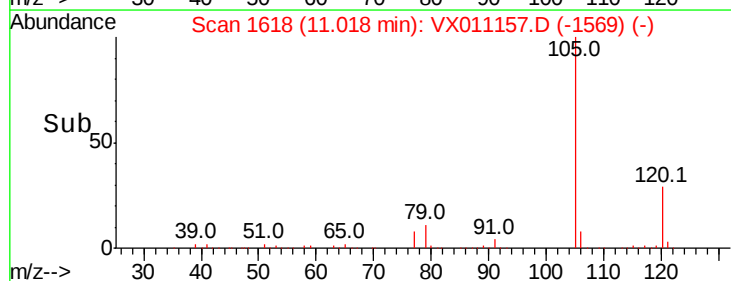
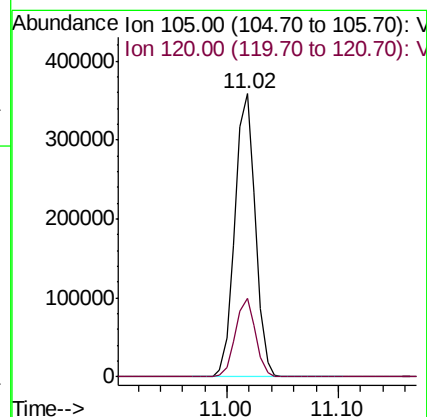
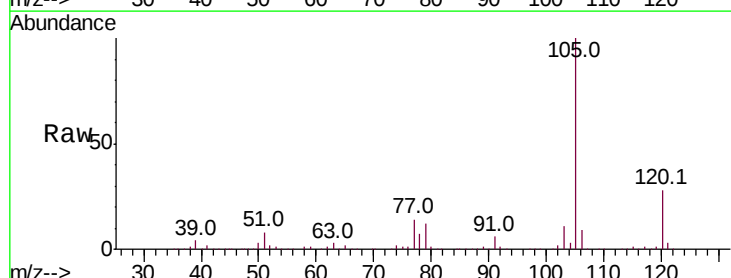
Acq: 29 Jul 2019 19:42

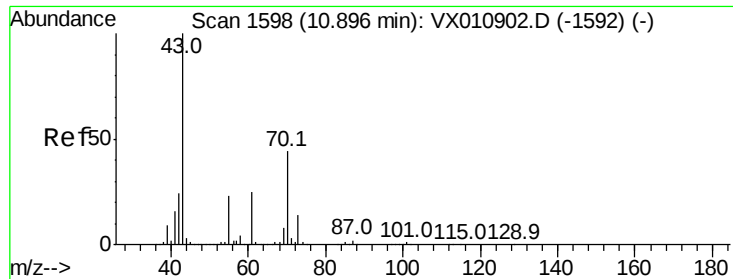
Tgt Ion:105 Resp: 454433

Ion Ratio Lower Upper

105 100

120 27.2 13.7 41.1





#74

N-amvl acetate

Concen: 48.236 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011157.D

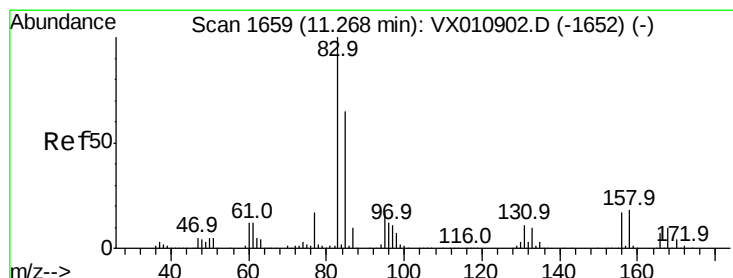
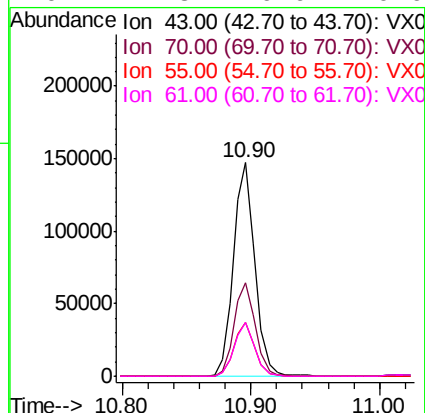
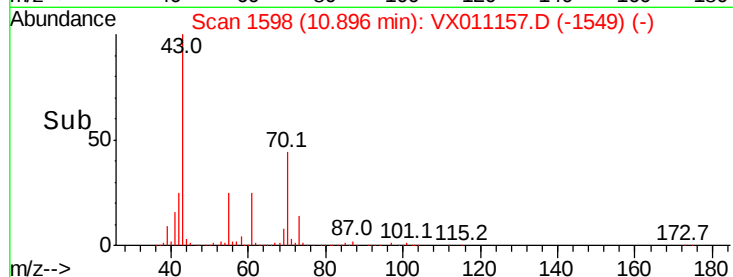
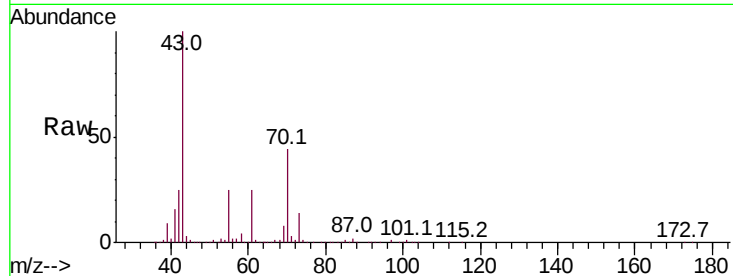
Acq: 29 Jul 2019 19:42

Instrument :
MSVOA_X
ClientSampled :
Z3-0681MS

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
70	43.6		34.7	52.1
55	24.6		19.1	28.7
61	24.3		19.9	29.9

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#75

1,1,2,2-Tetrachloroethane

Concen: 50.929 ug/l

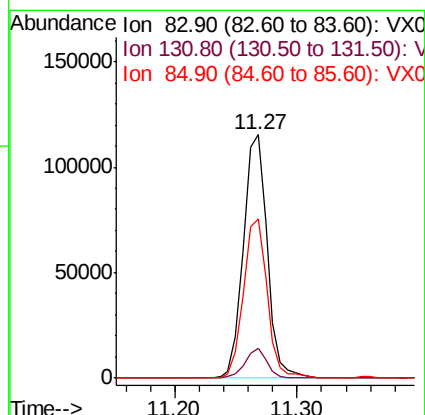
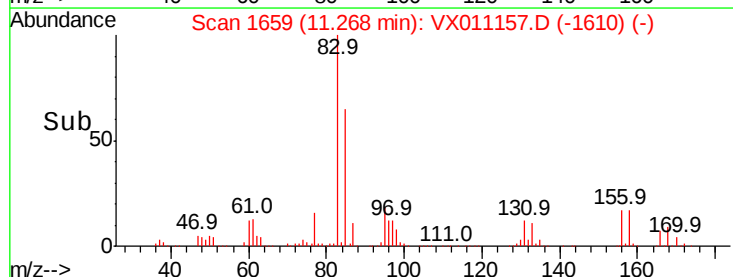
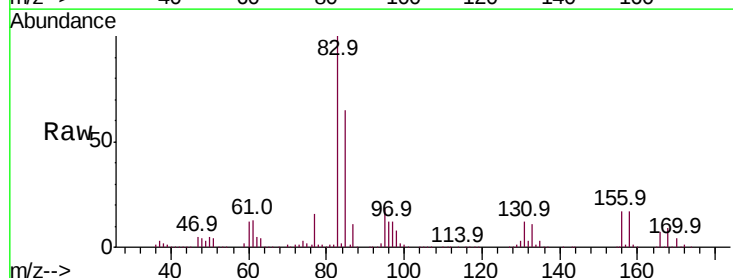
RT: 11.27 min Scan# 1659

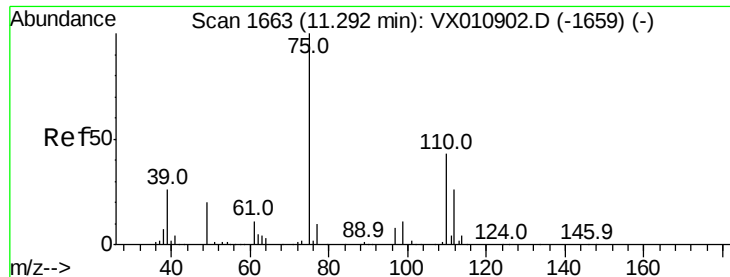
Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
131	11.3		5.5	16.4
85	65.1		32.3	96.9





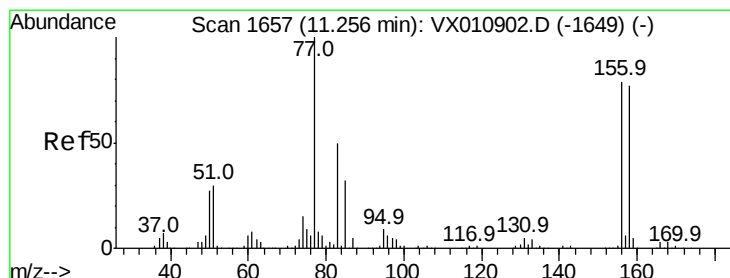
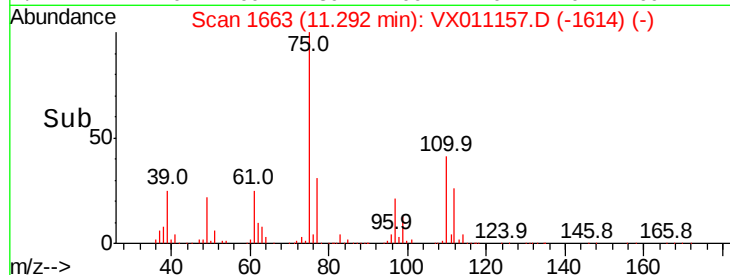
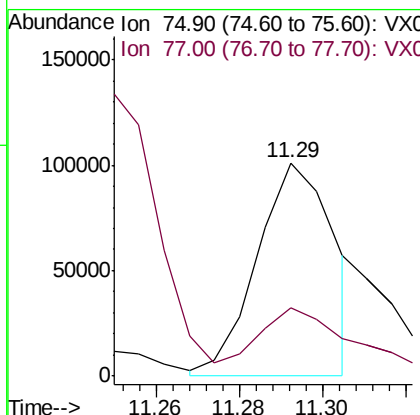
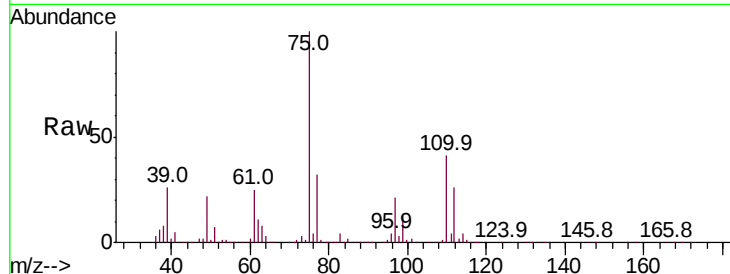
#76
 1,2,3-Trichloropropane
 Concen: 51.711 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX011157.D
 Acq: 29 Jul 2019 19:42

Instrument :
 MSVOA_X
 ClientSampled :
 Z3-0681MS

Tot Ion: 75 Resp: 128677
 Ion Ratio Lower Upper
 75 100
 77 40.8 21.3 64.0

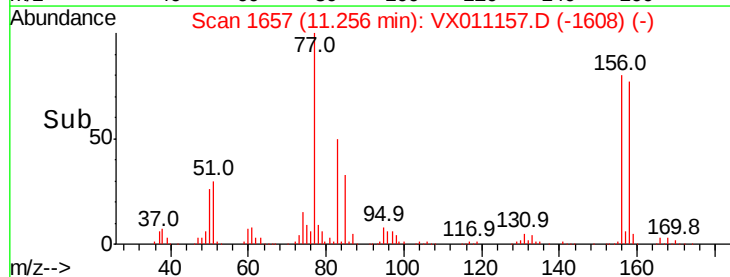
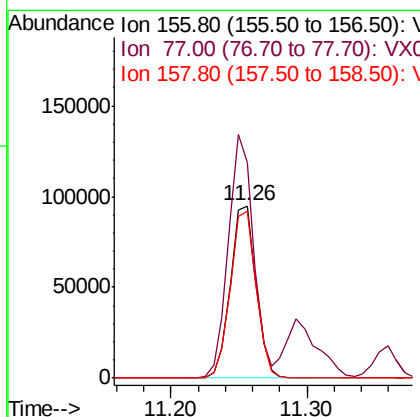
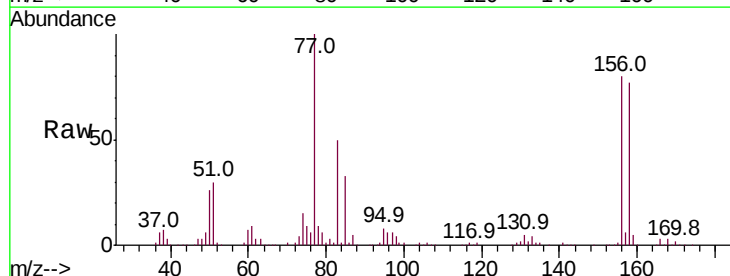
Manual Integrations
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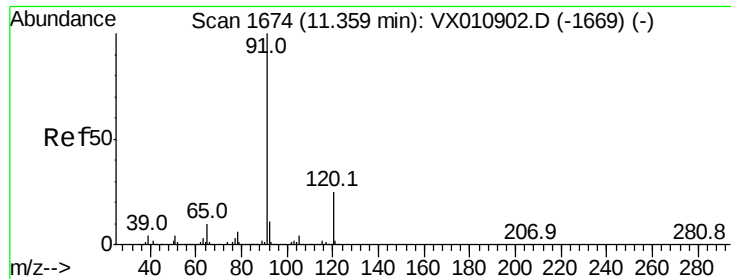
MMDadoda
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#77
 Bromobenzene
 Concen: 48.427 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX011157.D
 Acq: 29 Jul 2019 19:42

Tgt Ion: 156 Resp: 124464
 Ion Ratio Lower Upper
 156 100
 77 138.3 68.7 206.1
 158 97.6 47.9 143.7





#78

n-propylbenzene

Concen: 49.488 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

ClientSampled :

Z3-0681MS

Tot Ion: 91 Resp: 509487

Ion Ratio Lower Upper

91 100

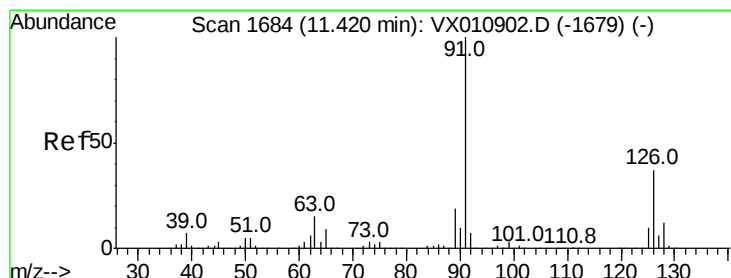
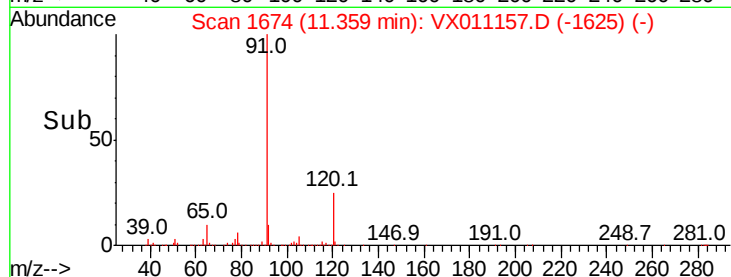
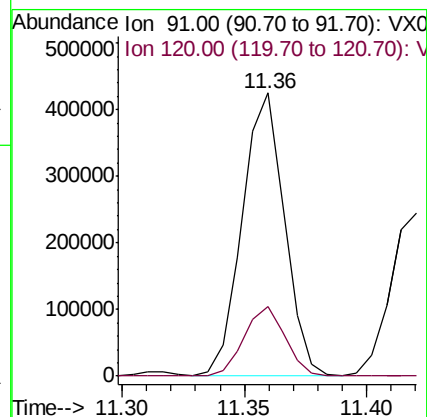
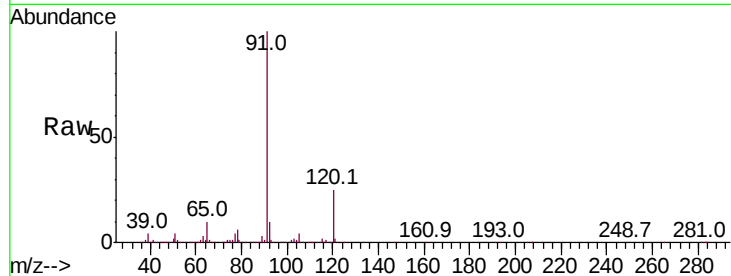
120 24.3 12.3 36.8

Manual Integrations

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#79

2-Chlorotoluene

Concen: 48.936 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011157.D

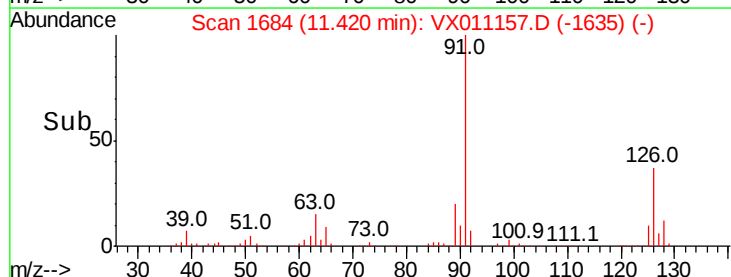
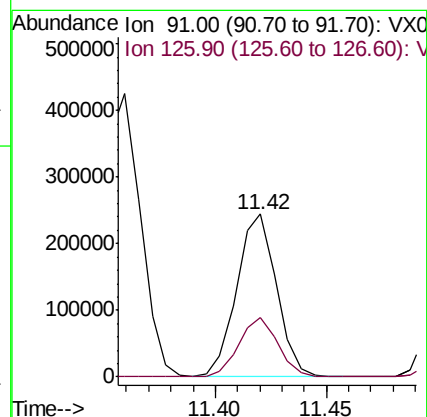
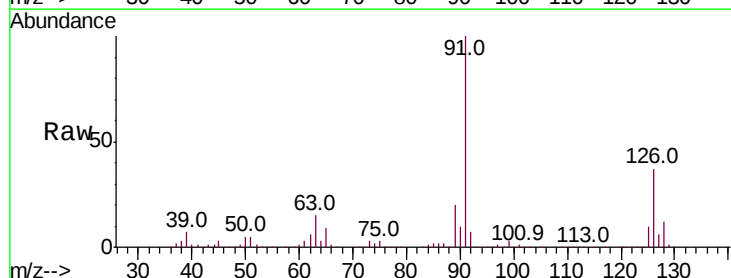
Acq: 29 Jul 2019 19:42

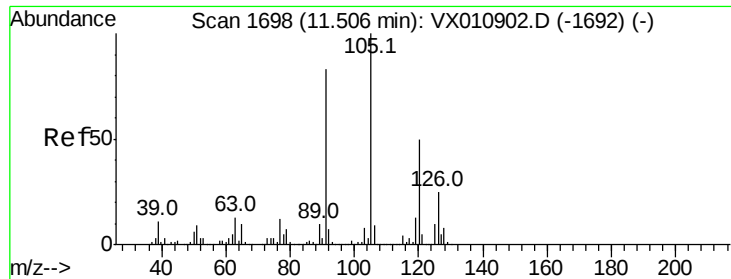
Tgt Ion: 91 Resp: 302649

Ion Ratio Lower Upper

91 100

126 36.3 18.0 54.0





#80

1,3,5-Trimethylbenzene

Concen: 49.777 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0681MS

Tot Ion:105 Resp: 387554

Ion Ratio Lower Upper

105 100

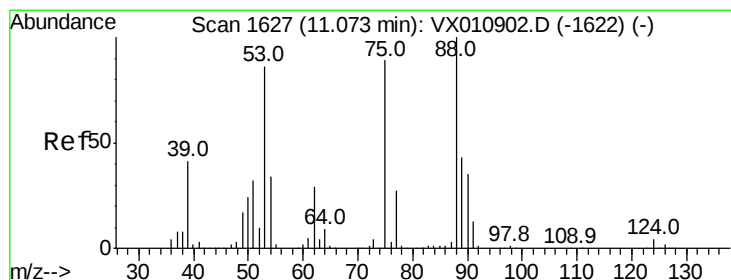
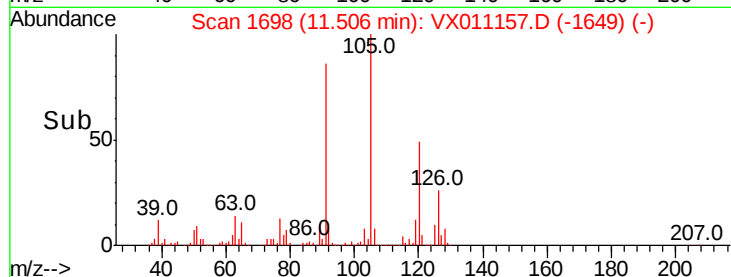
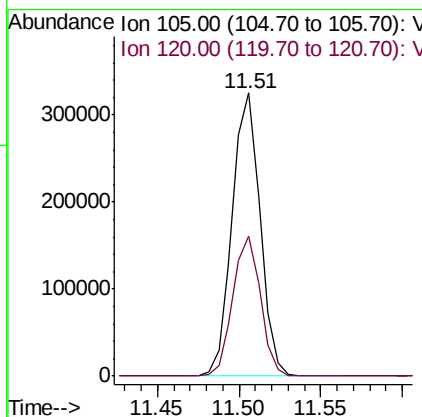
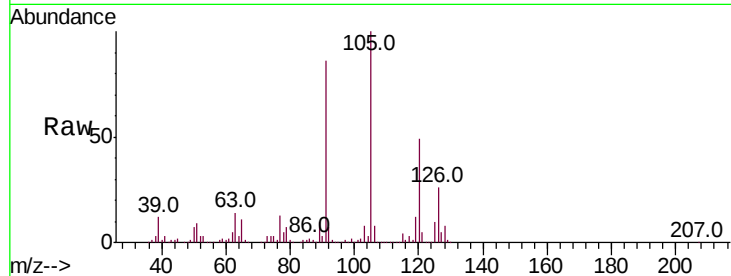
120 49.1 24.6 73.8

Manual Integrations

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#81

trans-1,4-Dichloro-2-butene

Concen: 42.475 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

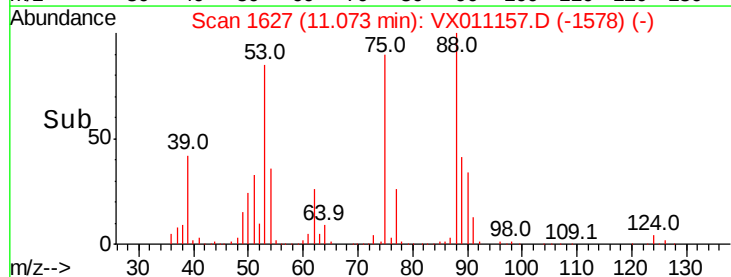
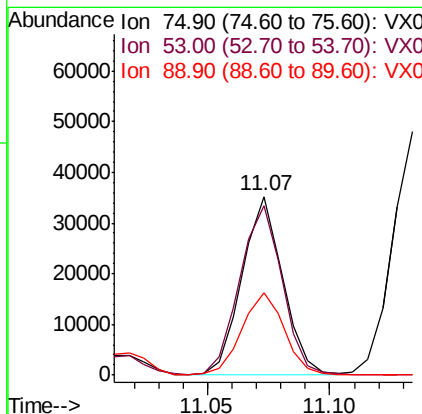
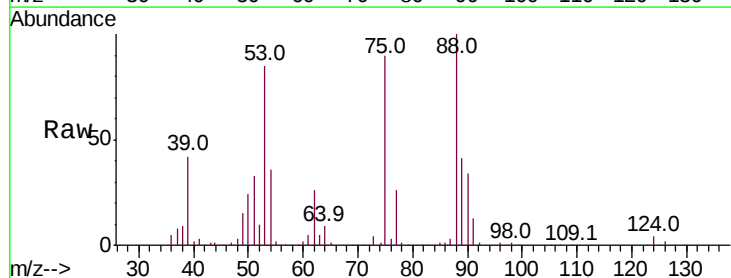
Tgt Ion: 75 Resp: 41079

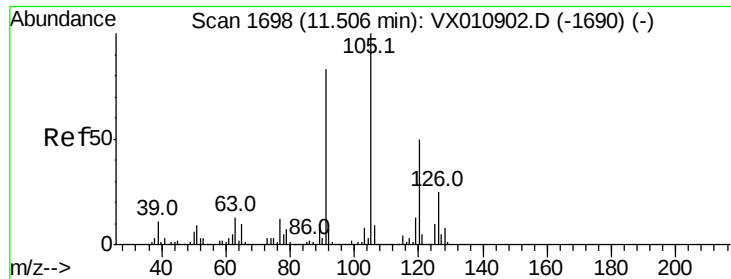
Ion Ratio Lower Upper

75 100

53 98.8 76.7 115.1

89 47.9 38.5 57.7





#82

4-Chlorotoluene

Concen: 49.324 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0681MS

Tot Ion: 91 Resp: 355046

Ion Ratio Lower Upper

91 100

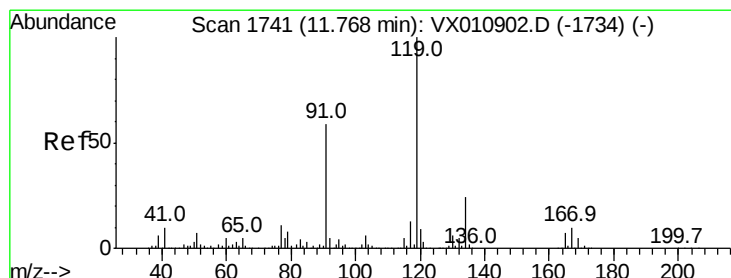
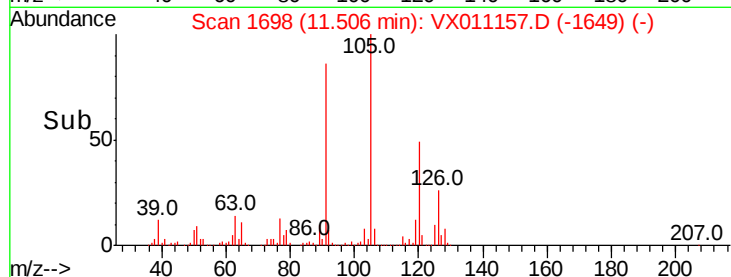
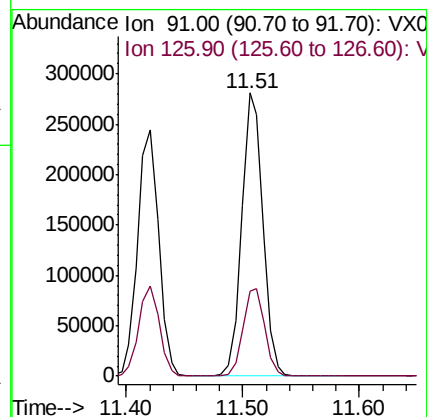
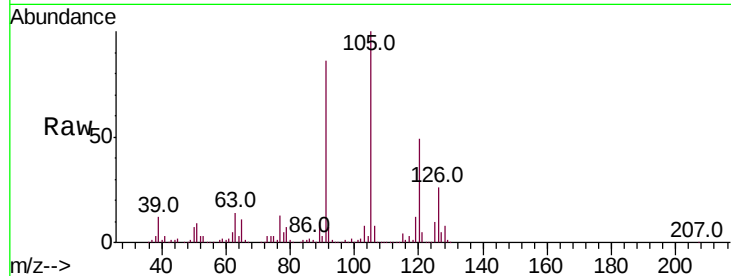
126 31.8 15.9 47.7

Manual Integrations

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#83

tert-Butylbenzene

Concen: 51.403 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

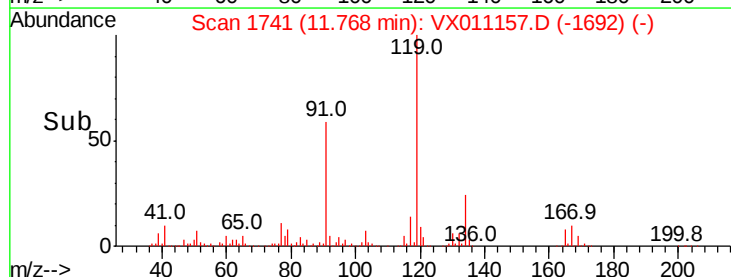
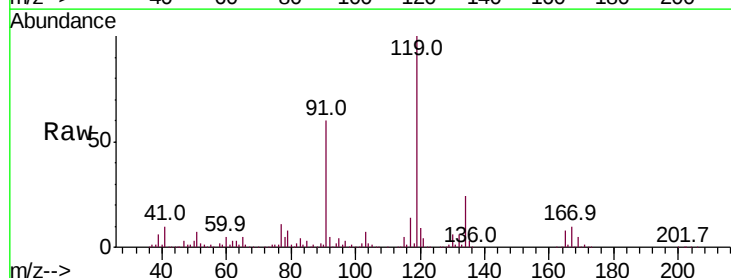
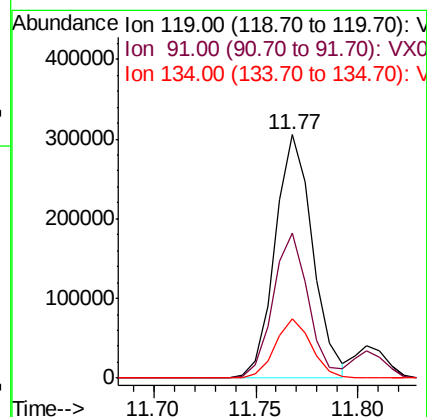
Tgt Ion: 119 Resp: 393110

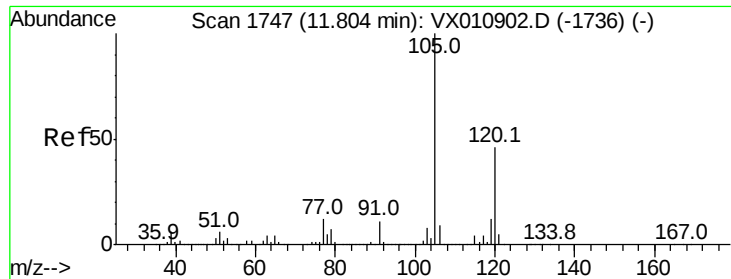
Ion Ratio Lower Upper

119 100

91 56.1 28.6 85.8

134 23.2 11.6 34.8





#84

1,2,4-Trimethylbenzene

Concen: 49.572 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

ClientSampled :

Z3-0681MS

Tot Ion:105 Resp: 389007

Ion Ratio Lower Upper

105 100

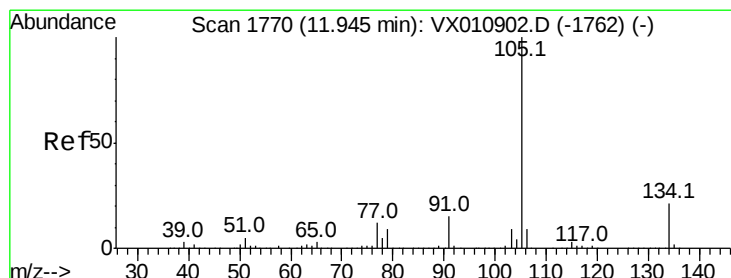
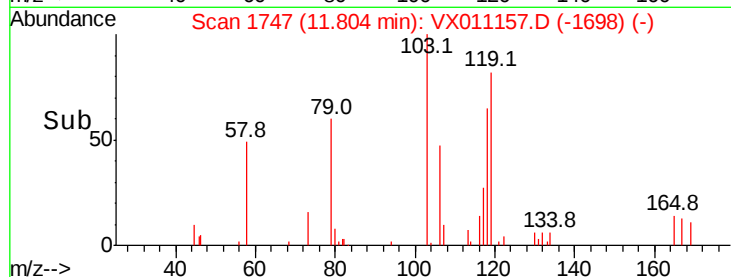
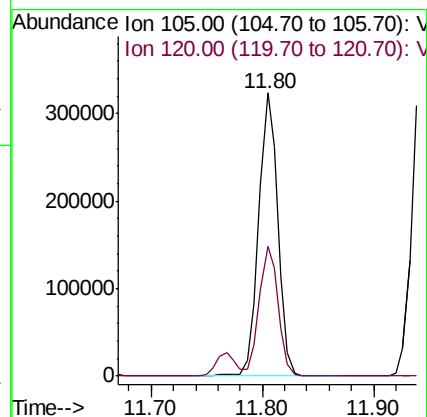
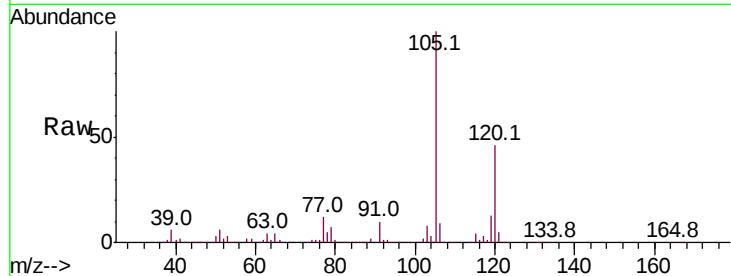
120 44.9 22.9 68.5

Manual Integrations

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#85

sec-Butylbenzene

Concen: 50.426 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011157.D

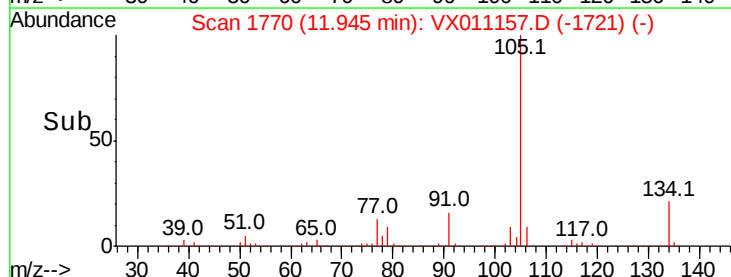
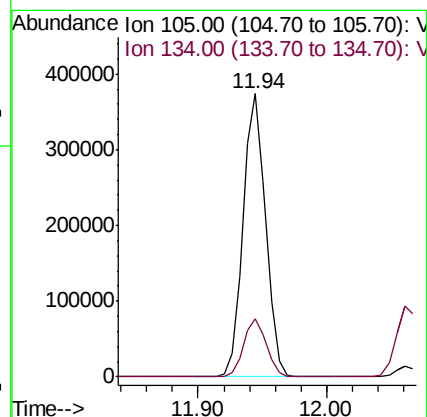
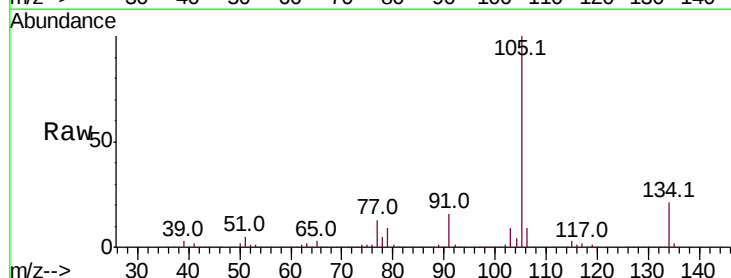
Acq: 29 Jul 2019 19:42

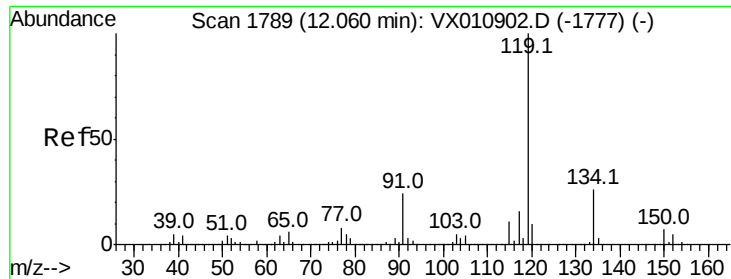
Tgt Ion:105 Resp: 451867

Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.4





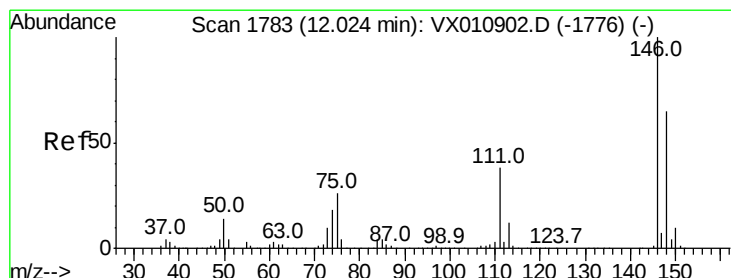
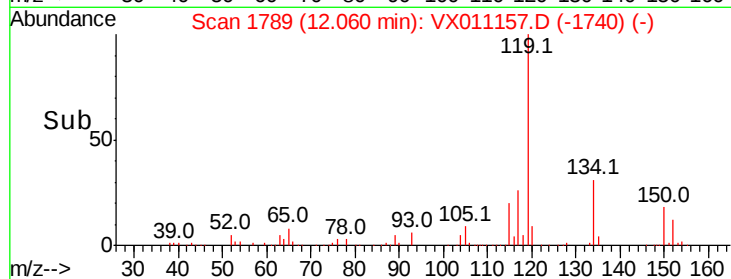
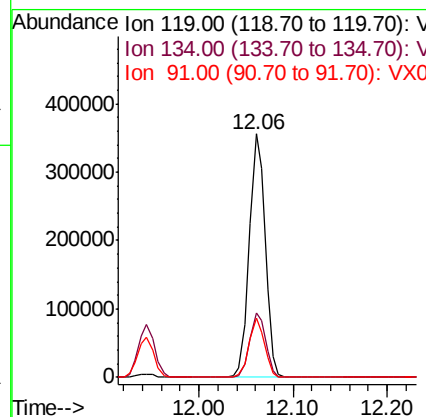
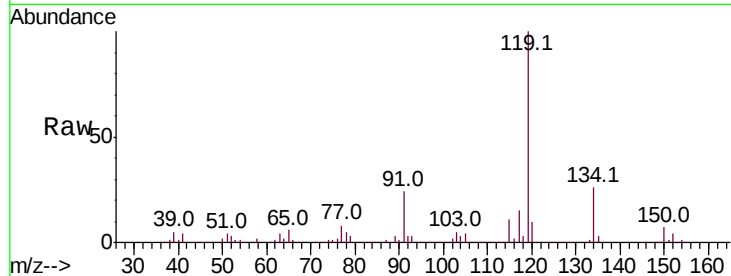
#86
p-Isopropyltoluene
Concen: 50.708 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
Z3-0681MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	420084		
134	26.8		13.4	40.1
91	23.4		11.8	35.4

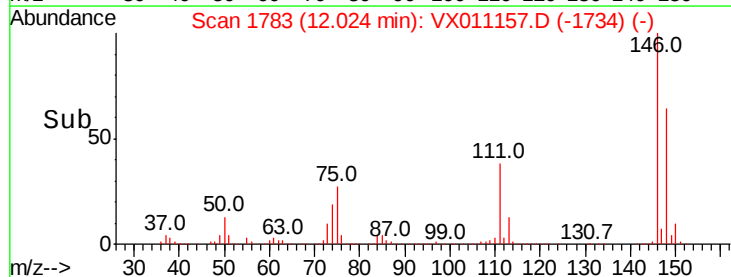
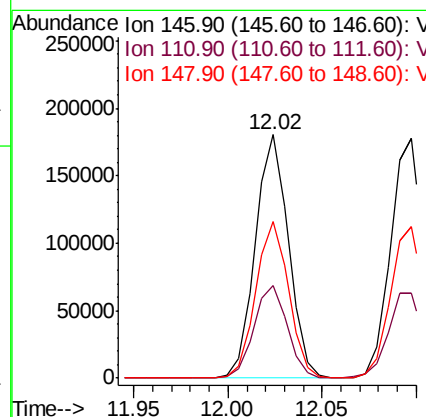
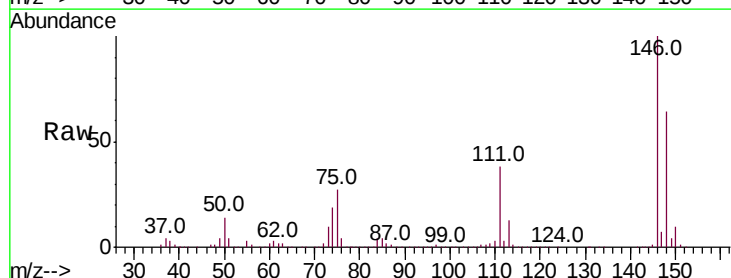
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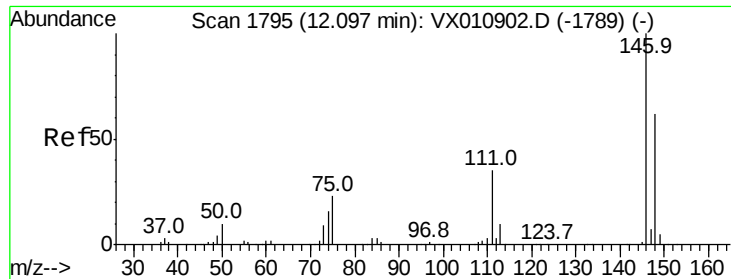
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#87
1,3-Dichlorobenzene
Concen: 49.288 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	219835		
111	38.4		18.9	56.9
148	64.2		32.2	96.6





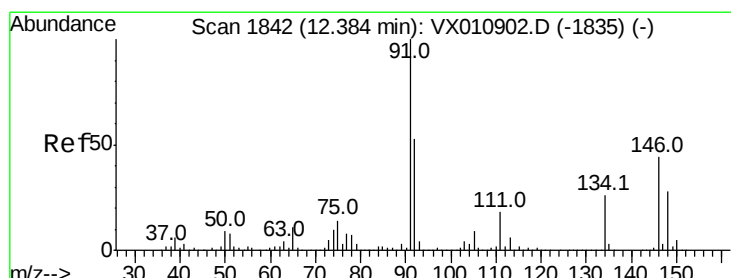
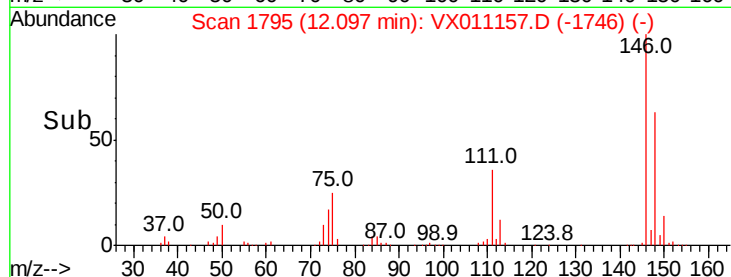
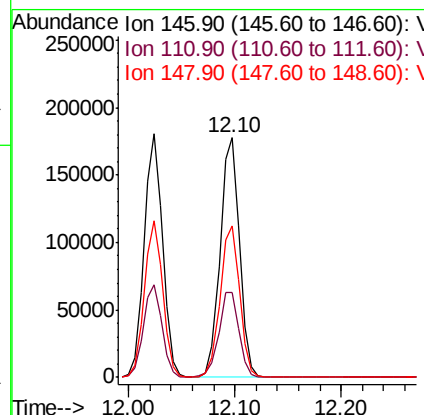
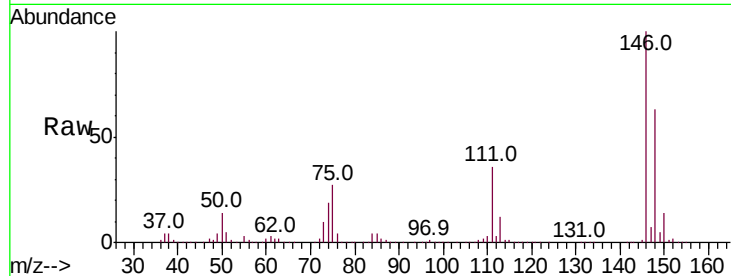
#88
 1,4-Dichlorobenzene
 Concen: 48.644 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011157.D
 Acq: 29 Jul 2019 19:42

Instrument :
 MSVOA_X
 ClientSampled :
 Z3-0681MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	64.0	31.6	94.7

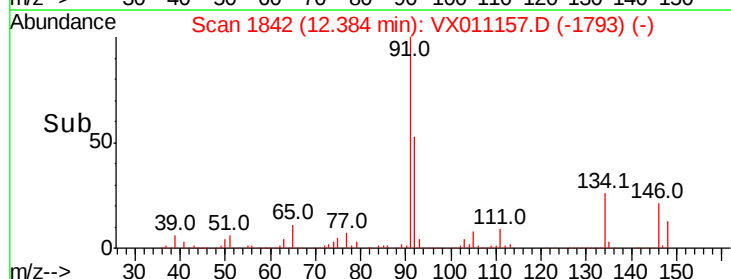
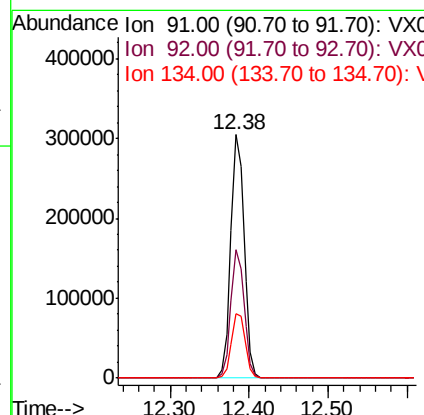
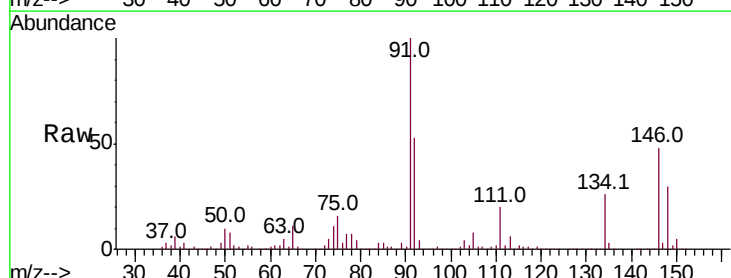
Manual Integrations
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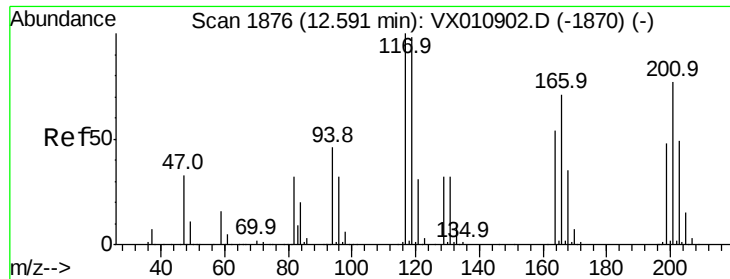
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#89
 n-Butylbenzene
 Concen: 50.734 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX011157.D
 Acq: 29 Jul 2019 19:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.5
134	27.4	13.8	41.3





#90

Hexachloroethane

Concen: 50.488 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

ClientSampleId :

Z3-0681MS

Tot Ion:117 Resp: 65971

Ion Ratio Lower Upper

117 100

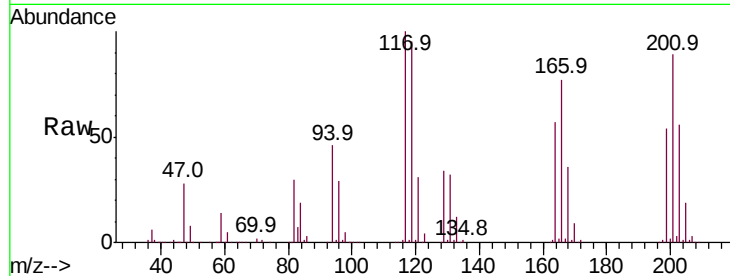
201 84.0 43.3 129.8

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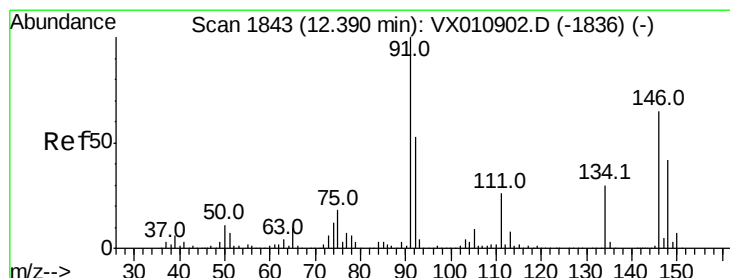
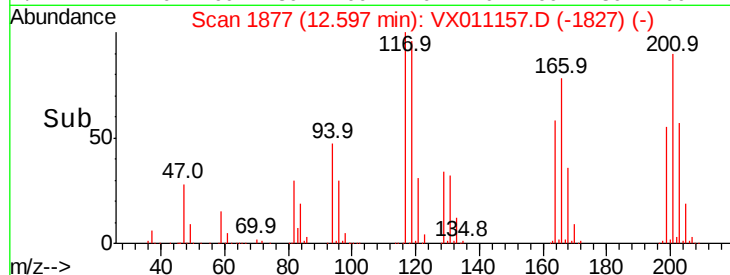
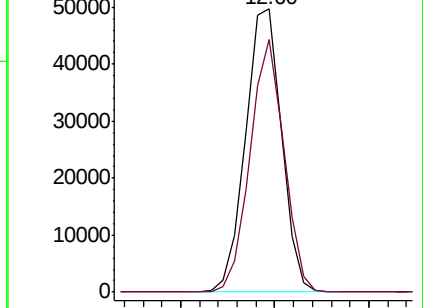
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 50.148 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

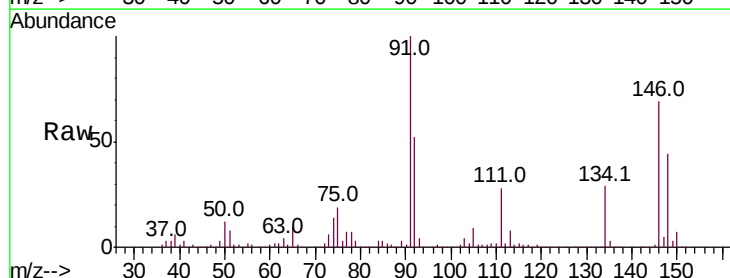
Tgt Ion:146 Resp: 221677

Ion Ratio Lower Upper

146 100

111 39.7 19.9 59.7

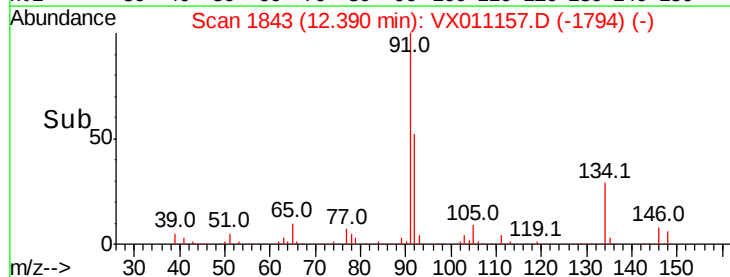
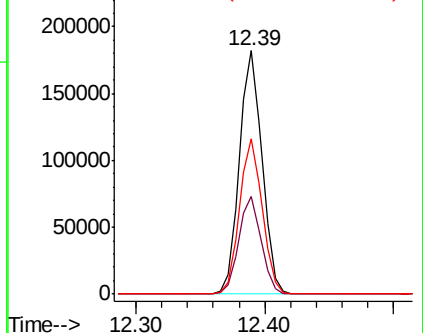
148 64.0 32.0 96.2

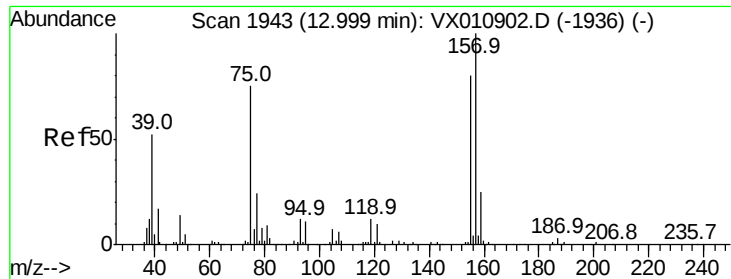


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





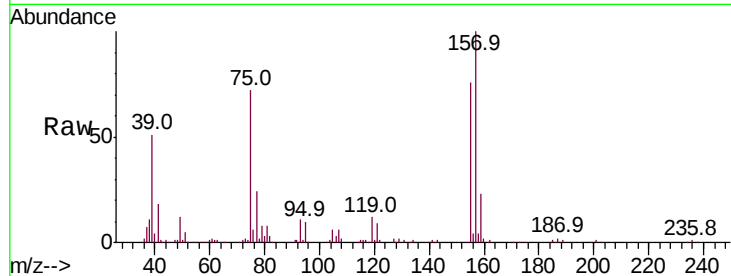
#92
1,2-Dibromo-3-Chloropropane
Concen: 50.580 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Instrument :
MSVOA_X
ClientSampleId :
Z3-0681MS

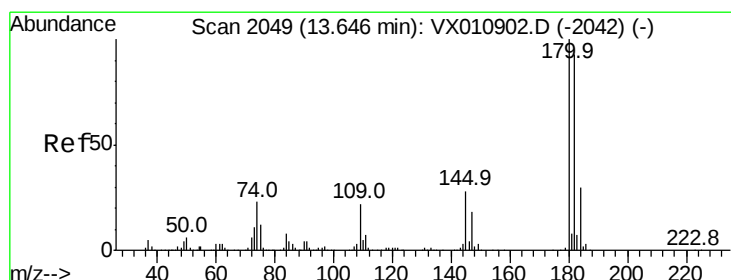
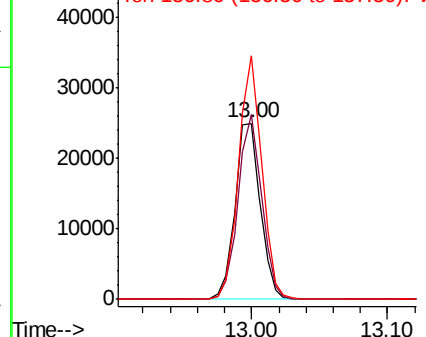
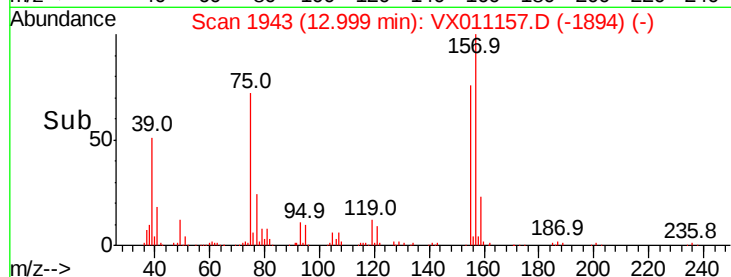
Tot Ion: 75 Resp: 32239
Ion Ratio Lower Upper
75 100
155 98.6 48.7 146.1
157 127.1 62.5 187.6

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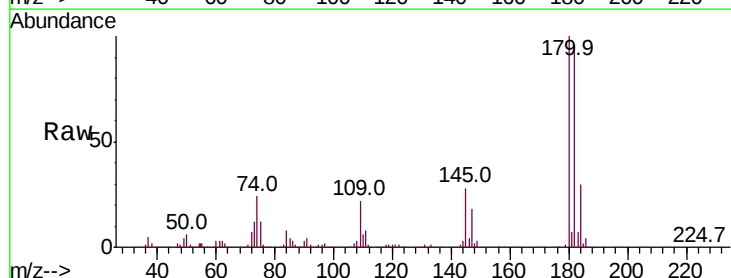


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

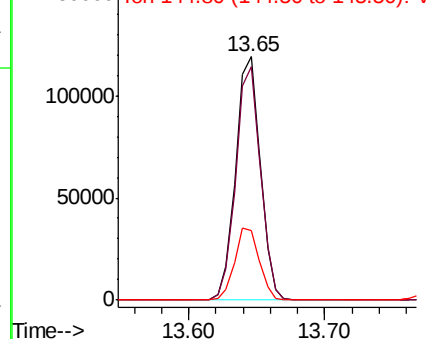
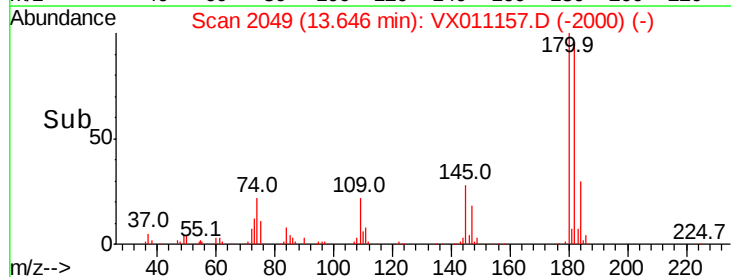


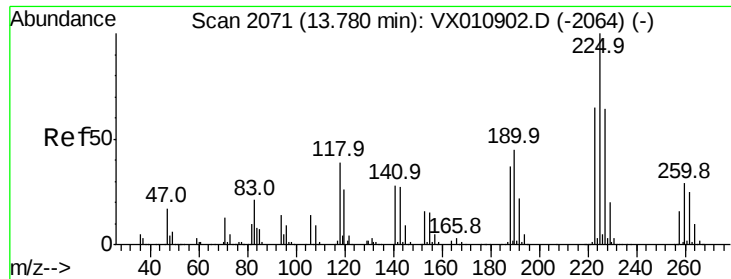
#93
1,2,4-Trichlorobenzene
Concen: 50.173 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX011157.D
Acq: 29 Jul 2019 19:42

Tgt Ion:180 Resp: 150305
Ion Ratio Lower Upper
180 100
182 95.7 47.1 141.3
145 29.7 14.8 44.4



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





#94

Hexachlorobutadiene

Concen: 50.884 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX011157.D

Acq: 29 Jul 2019 19:42

Instrument :

MSVOA_X

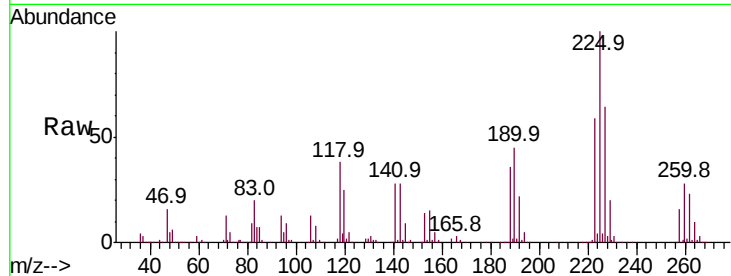
ClientSampled :

Z3-0681MS

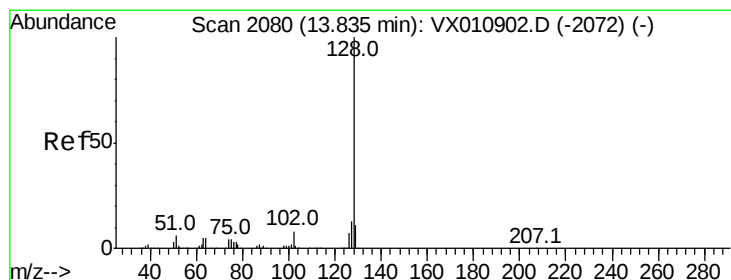
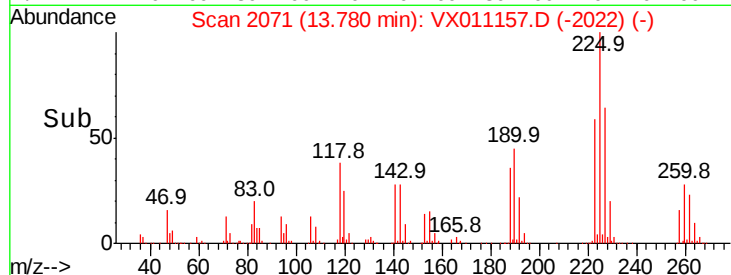
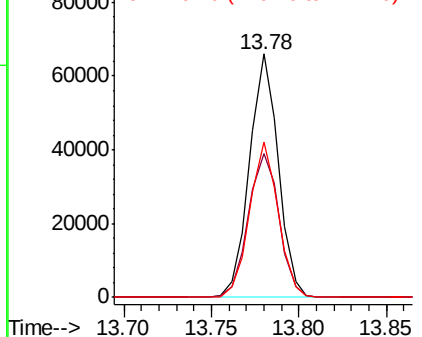
Tot Ion:	225	Resp:	75540
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.9	95.9
227	63.3	32.5	97.4

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



#95

Naphthalene

Concen: 54.027 ug/l

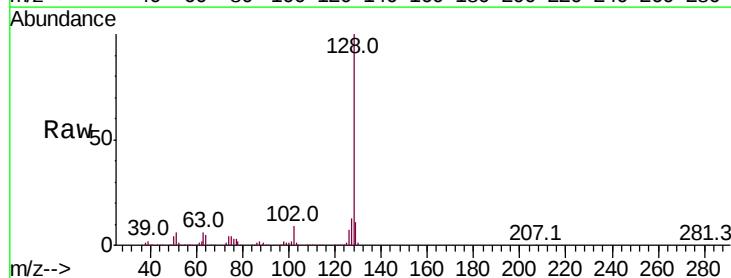
RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

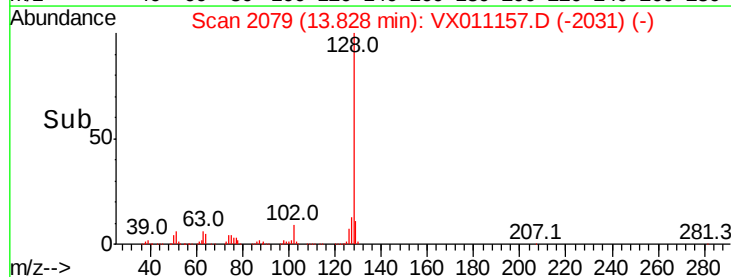
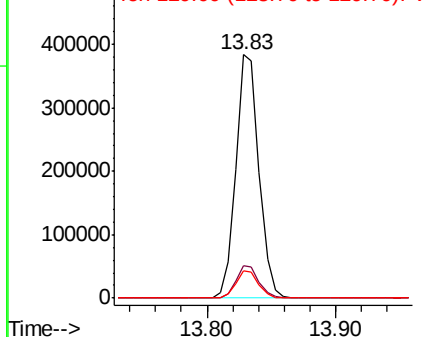
Lab File: VX011157.D

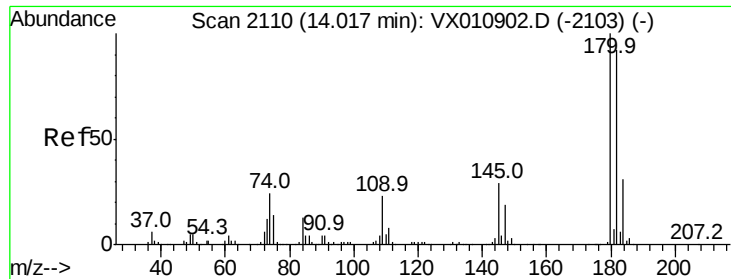
Acq: 29 Jul 2019 19:42

Tgt Ion:	128	Resp:	477941
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.0	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





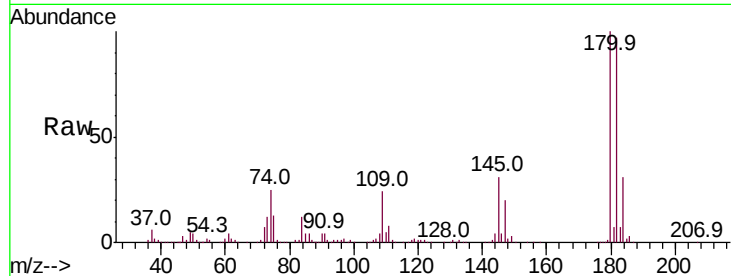
#96
 1,2,3-Trichlorobenzene
 Concen: 51.597 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX011157.D
 Acq: 29 Jul 2019 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0681MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.3	47.4	142.3
145	31.4	15.1	45.3

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

