

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042420\
 Data File : VX015928.D
 Acq On : 24 Apr 2020 12:35
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Apr 24 12:57:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 12:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	138219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	264213	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	247127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	118854	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	207207	107.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	215.04%	
35) Dibromofluoromethane	5.47	113	150857	102.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.24%	
50) Toluene-d8	8.70	98	637963	107.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.72%	
62) 4-Bromofluorobenzene	11.12	95	260826	103.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.18	85	165734	114.119	ug/l	98
3) Chloromethane	1.31	50	172046	115.072	ug/l	99
4) Vinyl Chloride	1.39	62	216791	112.119	ug/l	100
5) Bromomethane	1.62	94	54944	63.566	ug/l	98
6) Chloroethane	1.70	64	126818	106.743	ug/l	97
7) Trichlorofluoromethane	1.91	101	244738	105.640	ug/l	99
8) Diethyl Ether	2.17	74	113592	102.043	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	156477	107.401	ug/l	99
10) Methyl Iodide	2.49	142	182478	131.153	ug/l	99
11) Tert butyl alcohol	3.03	59	228051	571.593	ug/l	99
12) 1,1-Dichloroethene	2.36	96	164805	108.102	ug/l	97
13) Acrolein	2.27	56	130721	495.728	ug/l	99
14) Allyl chloride	2.71	41	291147	107.277	ug/l	99
15) Acrylonitrile	3.12	53	500202	568.058	ug/l	100
16) Acetone	2.42	43	389619	545.077	ug/l	100
17) Carbon Disulfide	2.55	76	436261	89.340	ug/l	100
18) Methyl Acetate	2.75	43	237765	111.045	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	599480	110.281	ug/l	100
20) Methylene Chloride	2.84	84	190889	107.914	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	183941	108.007	ug/l	100
22) Diisopropyl ether	3.83	45	577146	108.109	ug/l	# 87
23) Vinyl Acetate	3.79	43	2416362	557.919	ug/l	99
24) 1,1-Dichloroethane	3.67	63	333065	109.647	ug/l	99
25) 2-Butanone	4.64	43	651879	569.391	ug/l	100
26) 2,2-Dichloropropane	4.55	77	287829	106.175	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	209153	107.932	ug/l	99
28) Bromochloromethane	4.98	49	141031	104.098	ug/l	99
29) Tetrahydrofuran	5.09	42	423462	556.571	ug/l	100
30) Chloroform	5.18	83	329218	109.641	ug/l	100
31) Cyclohexane	5.55	56	301688	109.238	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	291275	106.960	ug/l	100
36) 1,1-Dichloropropene	5.77	75	257933	103.188	ug/l	99
37) Ethyl Acetate	4.80	43	261012	104.311	ug/l	99
38) Carbon Tetrachloride	5.76	117	241776	107.288	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	316265	105.092	ug/l	98
40) Benzene	6.12	78	768044	105.929	ug/l	97
41) Methacrylonitrile	5.01	41	144750	100.849	ug/l	99
42) 1,2-Dichloroethane	6.17	62	269003	105.833	ug/l	99
43) Isopropyl Acetate	6.42	43	440879	109.090	ug/l	100
44) Trichloroethene	7.19	130	232079	102.999	ug/l	99
45) 1,2-Dichloropropane	7.49	63	197126	106.458	ug/l	99
46) Dibromomethane	7.64	93	131630	106.125	ug/l	99
47) Bromodichloromethane	7.88	83	273391	109.958	ug/l	100
48) Methyl methacrylate	7.75	41	214410	107.672	ug/l	100
49) 1,4-Dioxane	7.72	88	99895	2308.175	ug/l	100
51) 4-Methyl-2-Pentanone	8.62	43	1320957	565.578	ug/l	100
52) Toluene	8.77	92	489482	106.534	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	326895	108.724	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	343010	109.138	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	194051	105.468	ug/l	99
56) Ethyl methacrylate	9.16	69	328135	114.424	ug/l	99
57) 1,3-Dichloropropane	9.35	76	337363	108.024	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	807189	566.134	ug/l	99
59) 2-Hexanone	9.48	43	1024087	583.621	ug/l	99
60) Dibromochloromethane	9.57	129	203231	115.491	ug/l	99
61) 1,2-Dibromoethane	9.66	107	203470	107.933	ug/l	100
64) Tetrachloroethene	9.32	164	250071	101.902	ug/l	97
65) Chlorobenzene	10.12	112	515535	107.206	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	185510	110.031	ug/l	99
67) Ethyl Benzene	10.24	91	946409	106.343	ug/l	100
68) m/p-Xylenes	10.34	106	698658	215.723	ug/l	100
69) o-Xylene	10.68	106	342066	108.407	ug/l	100
70) Styrene	10.70	104	608124	114.306	ug/l	100
71) Bromoform	10.84	173	135568	126.307	ug/l #	96
73) Isopropylbenzene	11.01	105	911639	104.820	ug/l	99
74) N-amyl acetate	10.88	43	413066	111.936	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	217298	114.752	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	380321	122.378	ug/l	81
77) Bromobenzene	11.24	156	210060	107.623	ug/l	99
78) n-propylbenzene	11.35	91	1079062	105.515	ug/l	100
79) 2-Chlorotoluene	11.41	91	641811	107.660	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	786574	107.962	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	121049	119.455	ug/l	99
82) 4-Chlorotoluene	11.49	91	769892	108.114	ug/l	99
83) tert-Butylbenzene	11.76	119	664334	107.815	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	805612	107.734	ug/l	100
85) sec-Butylbenzene	11.93	105	918572	109.789	ug/l	100
86) p-Isopropyltoluene	12.05	119	831315	109.021	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	384161	106.973	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	391806	107.504	ug/l	100
89) n-Butylbenzene	12.37	91	792368	110.896	ug/l	99
90) Hexachloroethane	12.58	117	138097	121.931	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	371309	105.966	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	67315	110.199	ug/l	99

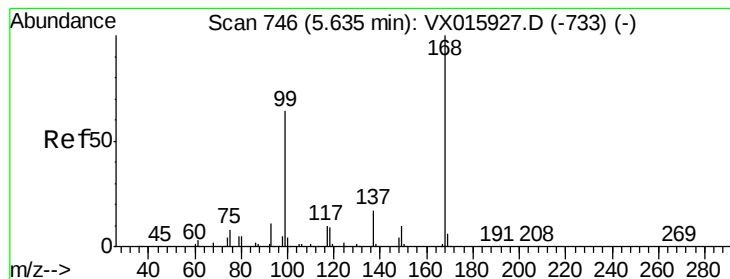
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042420\
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Quant Title : SW846 8260
QLast Update : Fri Apr 24 12:30:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	241368	108.577	ug/l	100
94) Hexachlorobutadiene	13.77	225	83262	105.047	ug/l	95
95) Naphthalene	13.82	128	899890	112.228	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	234921	111.915	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

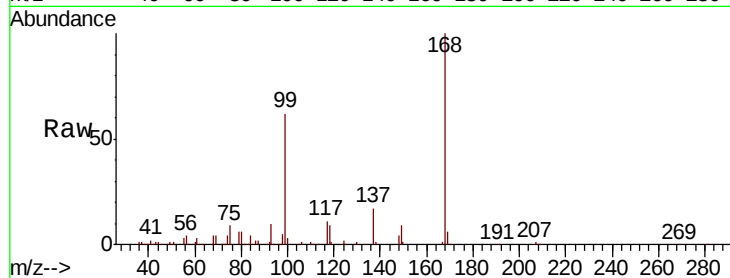
VSTDIC100

Tot Ion:168 Resp: 138219

Ion Ratio Lower Upper

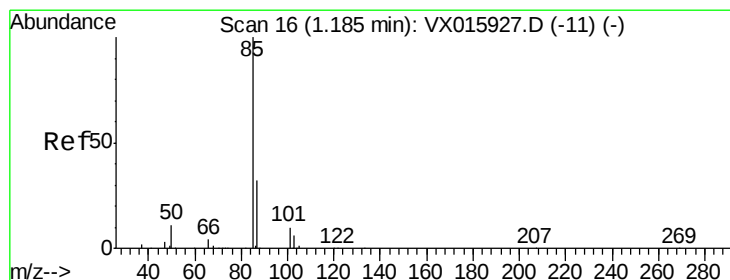
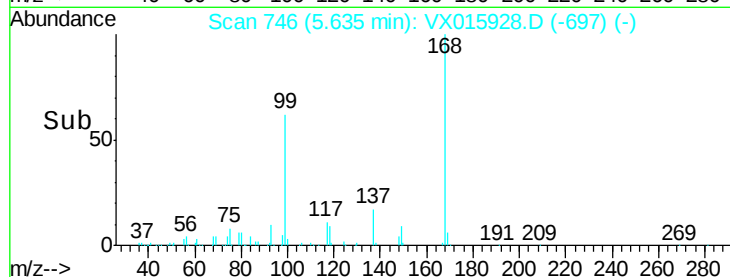
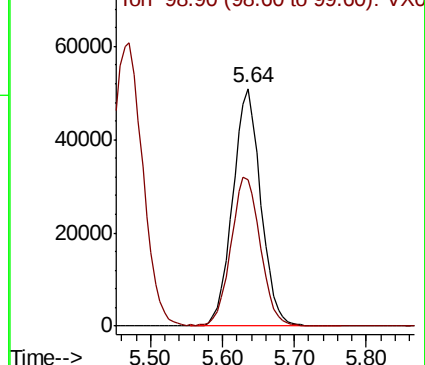
168 100

99 61.5 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 114.119 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX015928.D

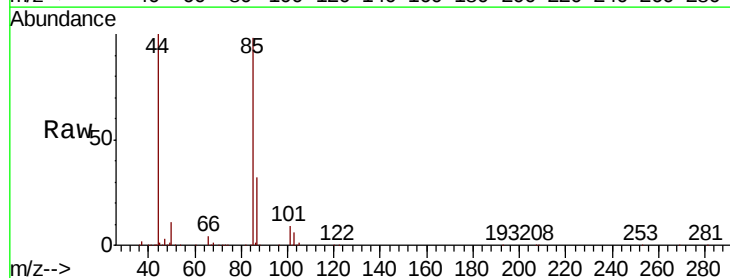
Acq: 24 Apr 2020 12:35

Tgt Ion: 85 Resp: 165734

Ion Ratio Lower Upper

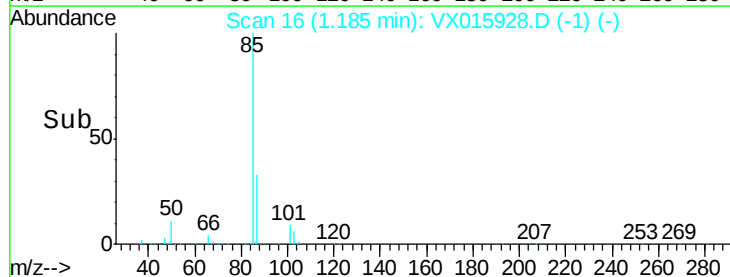
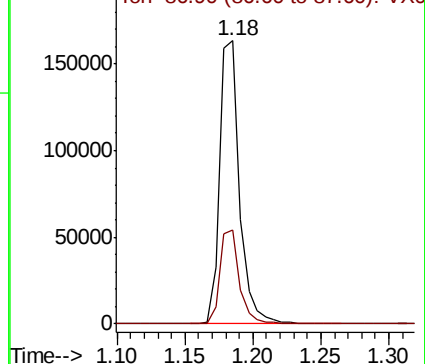
85 100

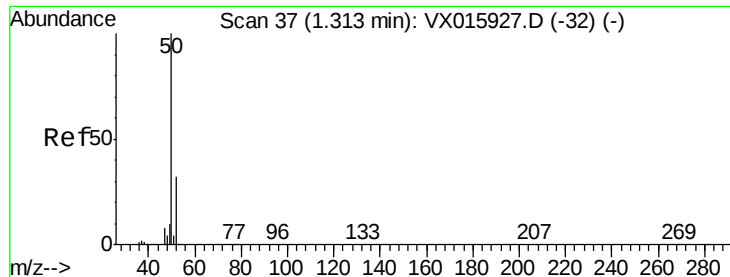
87 33.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 115.072 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

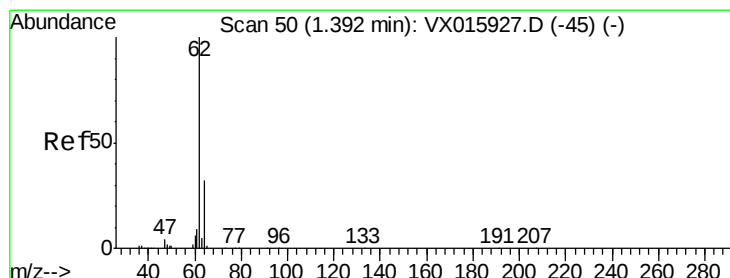
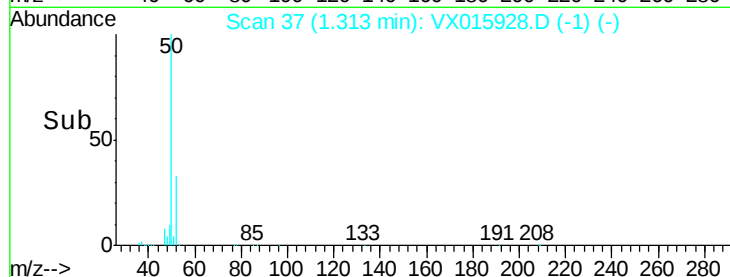
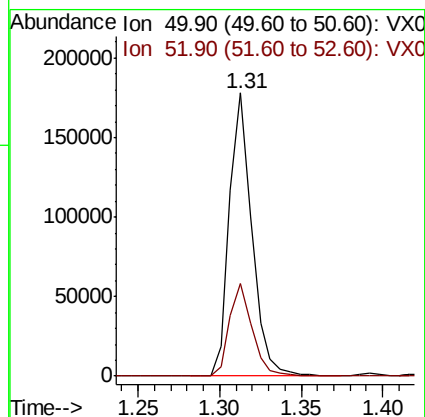
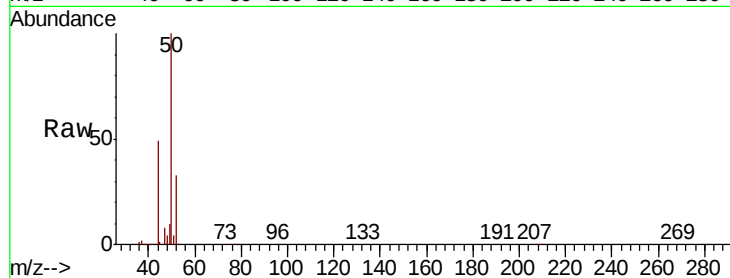
VSTDIC100

Tot Ion: 50 Resp: 172046

Ion Ratio Lower Upper

50 100

52 32.8 25.9 38.9



#4

Vinyl Chloride

Concen: 112.119 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015928.D

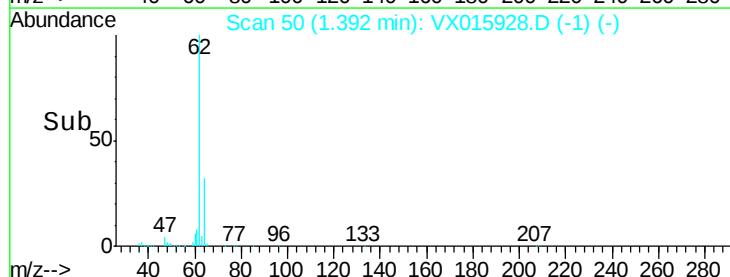
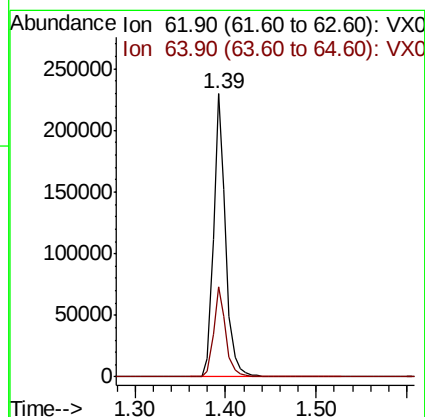
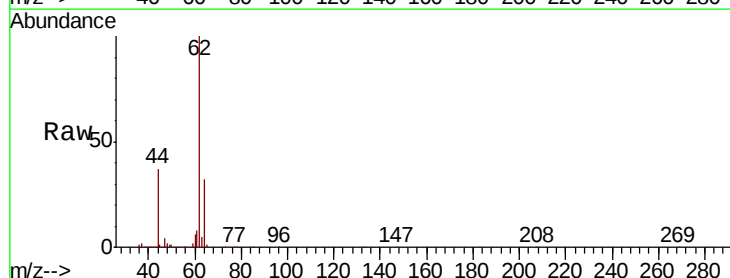
Acq: 24 Apr 2020 12:35

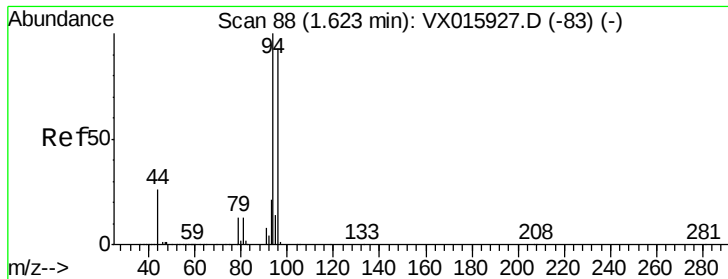
Tgt Ion: 62 Resp: 216791

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 63.566 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

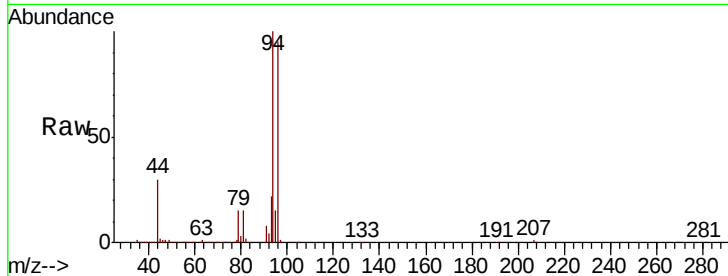
VSTDIC100

Tot Ion: 94 Resp: 54944

Ion Ratio Lower Upper

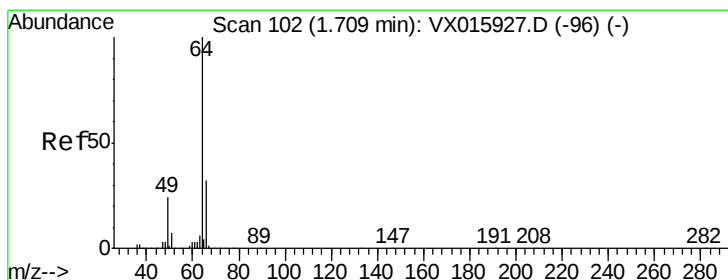
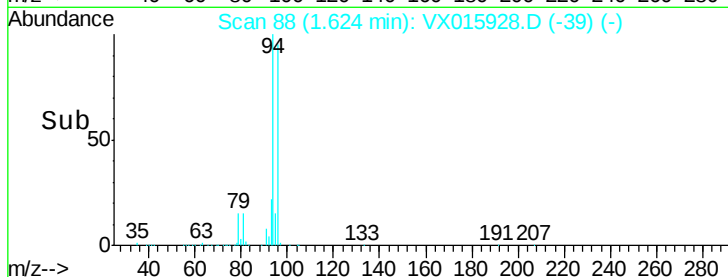
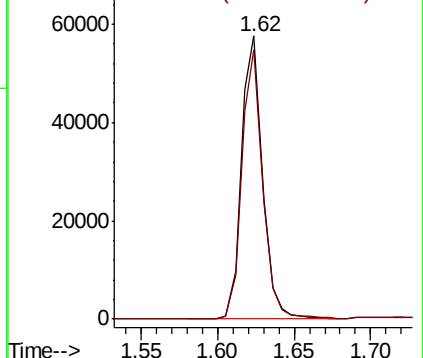
94 100

96 95.1 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 106.743 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX015928.D

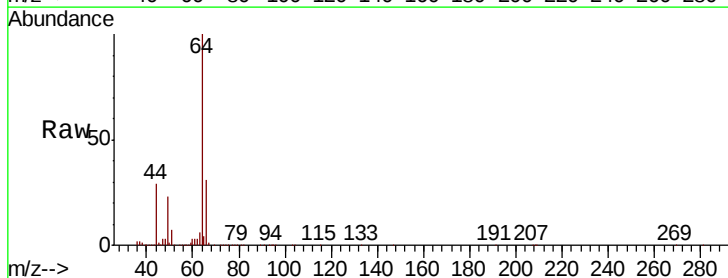
Acq: 24 Apr 2020 12:35

Tgt Ion: 64 Resp: 126818

Ion Ratio Lower Upper

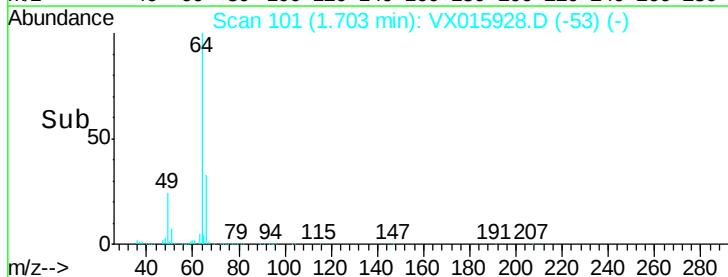
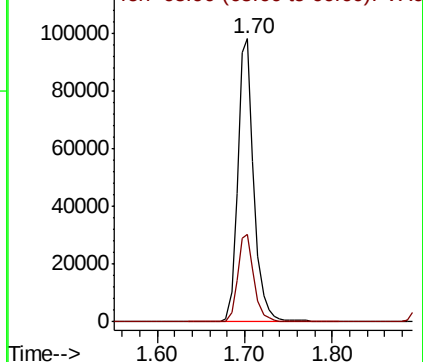
64 100

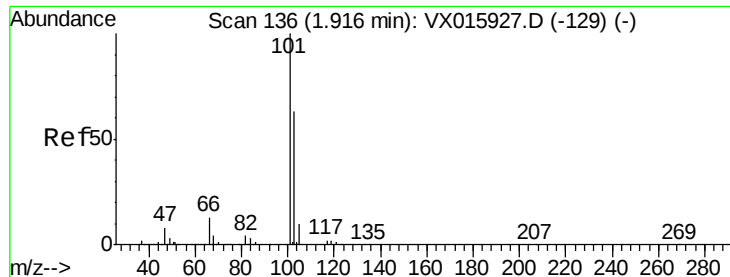
66 30.8 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



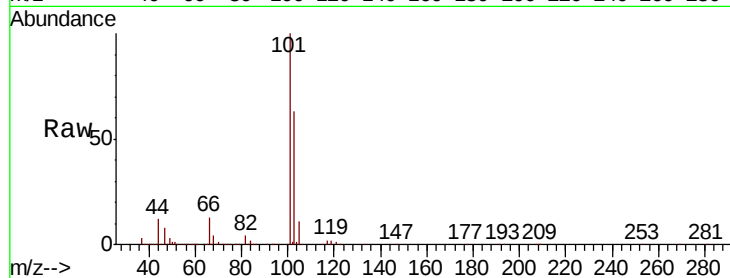


#7

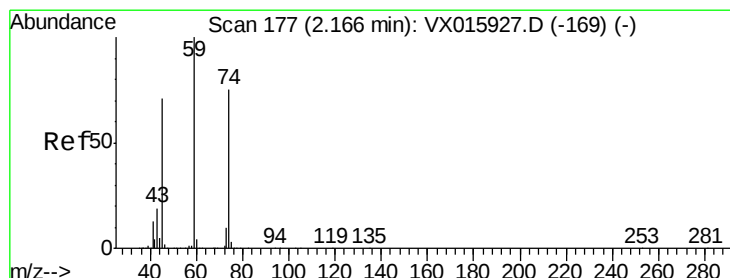
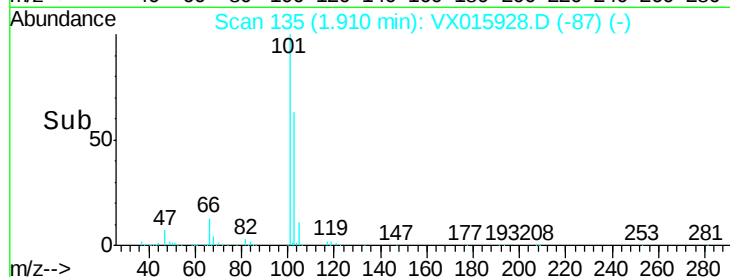
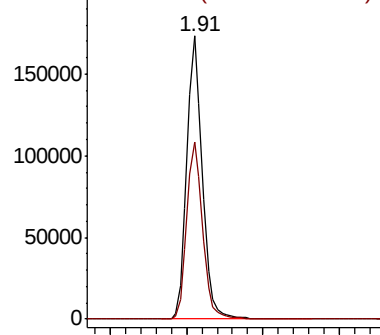
Trichlorofluoromethane
Concen: 105.640 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
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VSTDIC100

Tot Ion:101 Resp: 244738
Ion Ratio Lower Upper
101 100
103 62.6 50.8 76.2



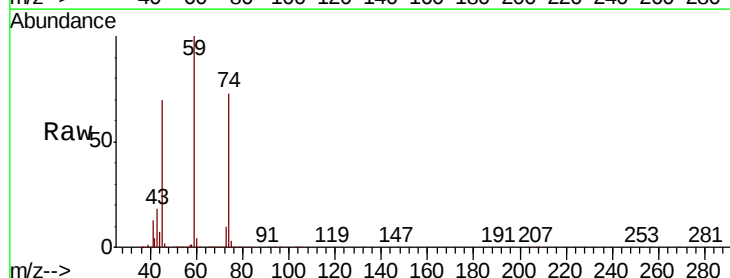
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



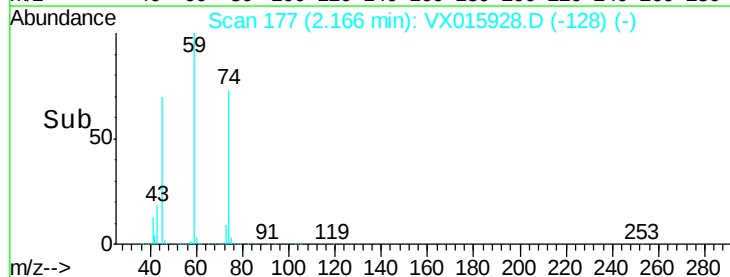
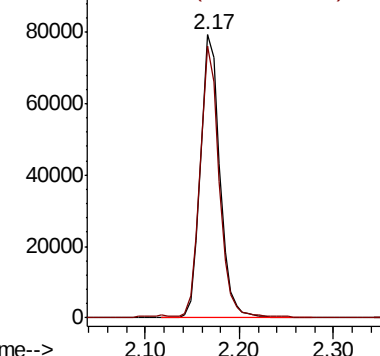
#8

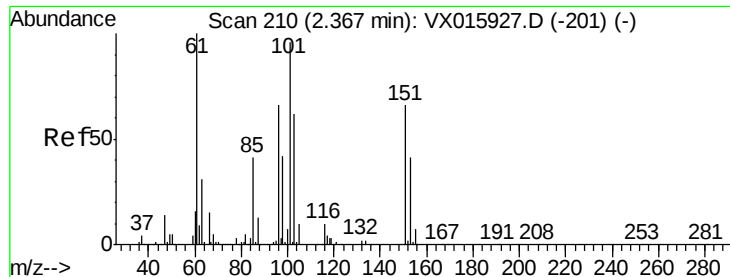
Diethyl Ether
Concen: 102.043 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion: 74 Resp: 113592
Ion Ratio Lower Upper
74 100
45 94.3 46.9 140.7



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 107.401 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

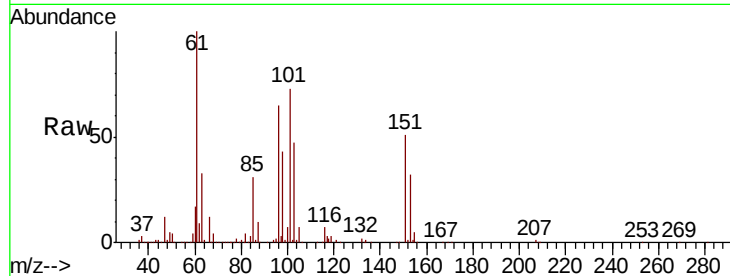
Tot Ion:101 Resp: 156477

Ion Ratio Lower Upper

101 100

85 43.6 34.9 52.3

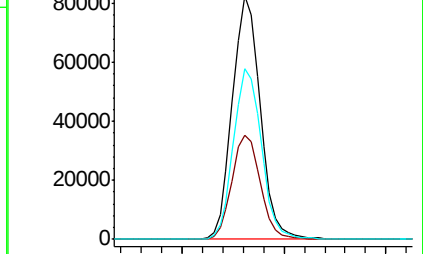
151 70.4 55.8 83.6



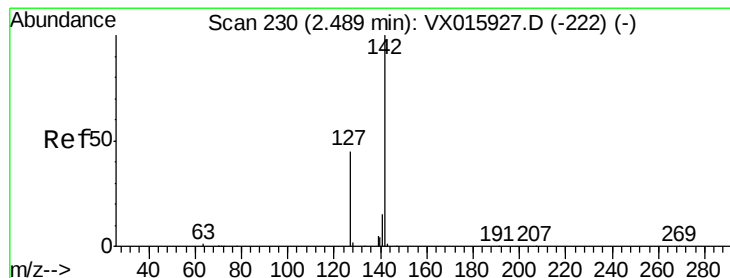
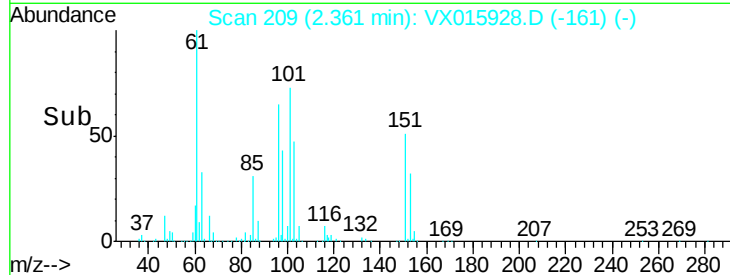
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



Time-->



#10

Methyl Iodide

Concen: 131.153 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

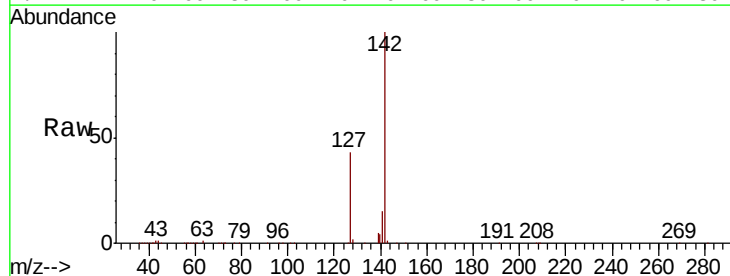
Tgt Ion:142 Resp: 182478

Ion Ratio Lower Upper

142 100

127 42.6 34.4 51.6

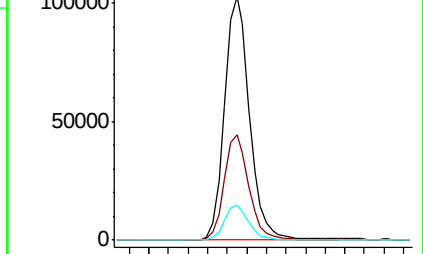
141 14.1 11.5 17.3



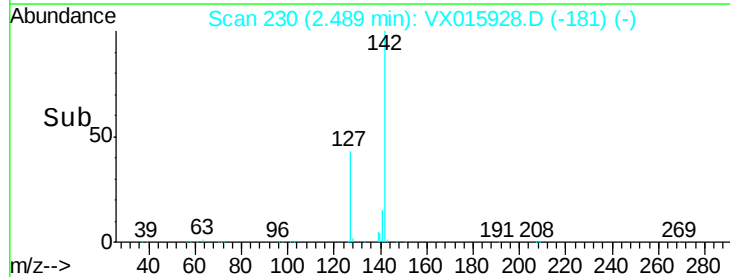
Abundance Ion 141.80 (141.50 to 142.50): V

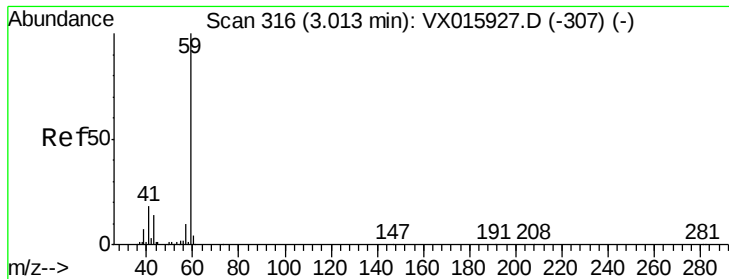
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



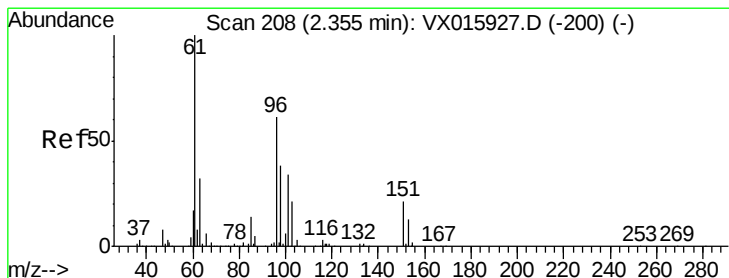
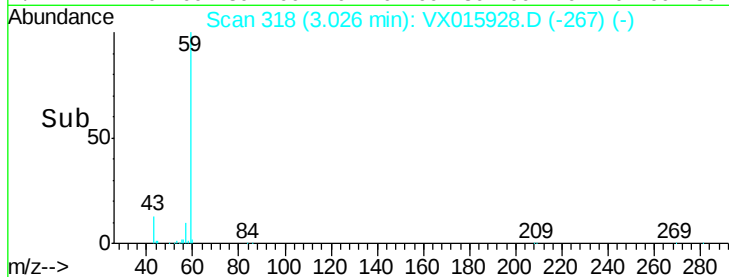
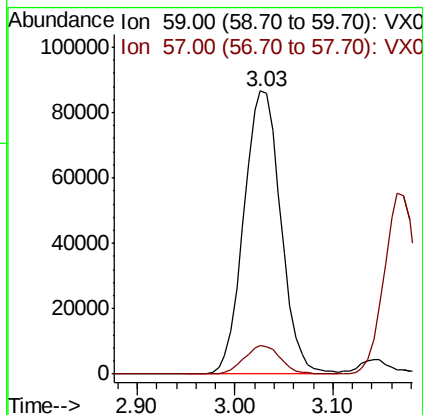
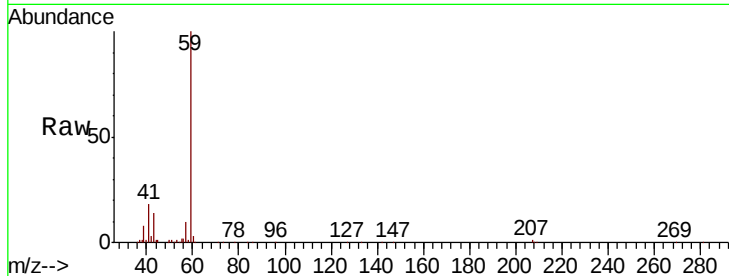


#11

Tert butyl alcohol
Concen: 571.593 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

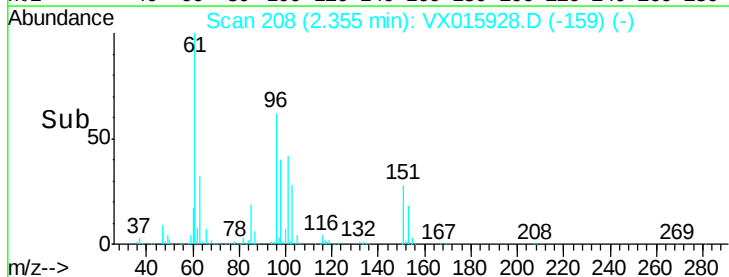
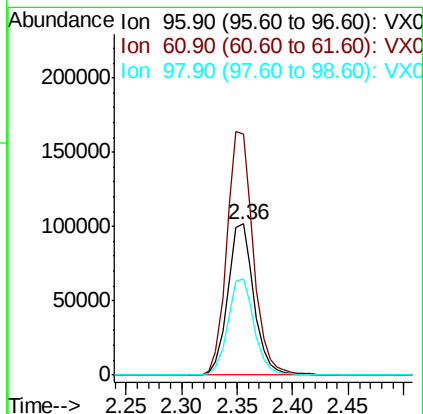
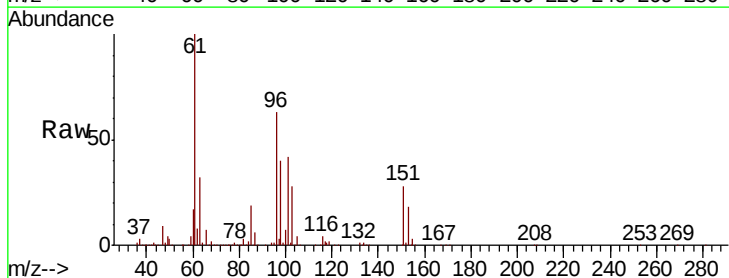
Tot Ion: 59 Resp: 228051
Ion Ratio Lower Upper
59 100
57 10.1 8.4 12.6

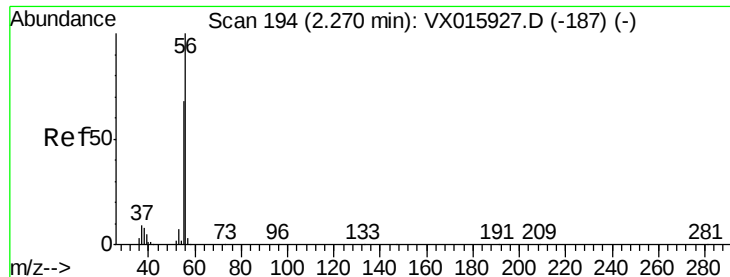


#12

1,1-Dichloroethene
Concen: 108.102 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion: 96 Resp: 164805
Ion Ratio Lower Upper
96 100
61 159.9 131.2 196.8
98 64.2 50.2 75.4

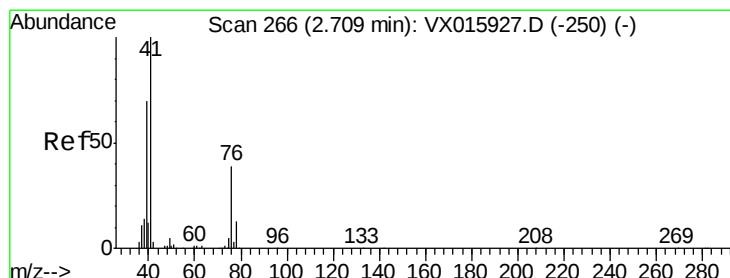
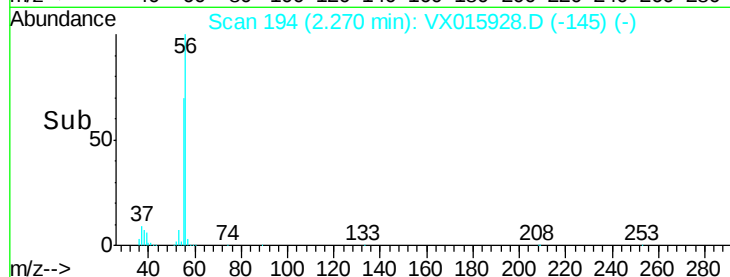
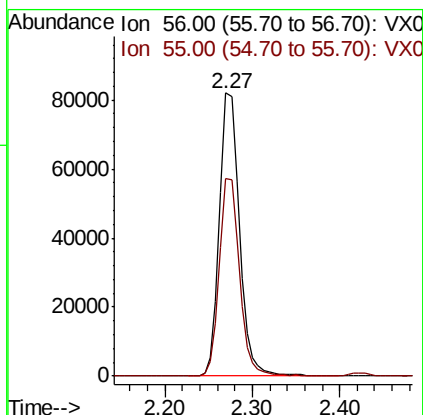
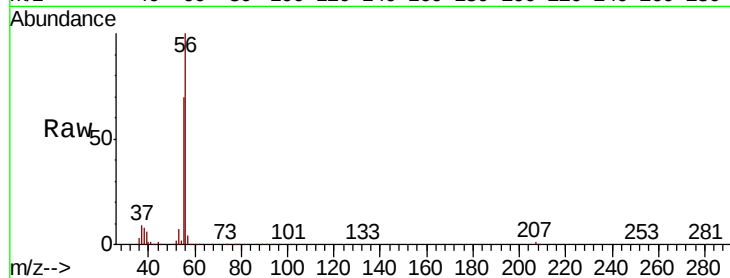




#13
Acrolein
Concen: 495.728 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

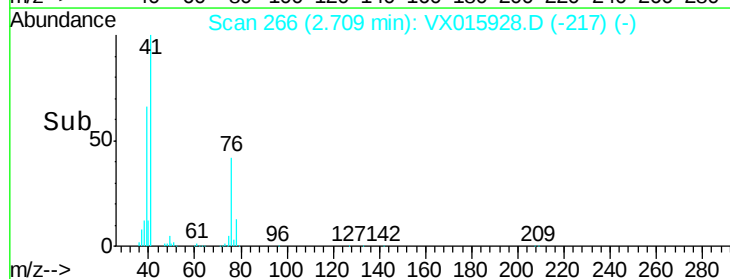
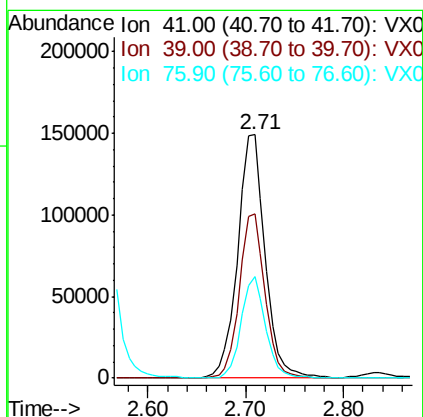
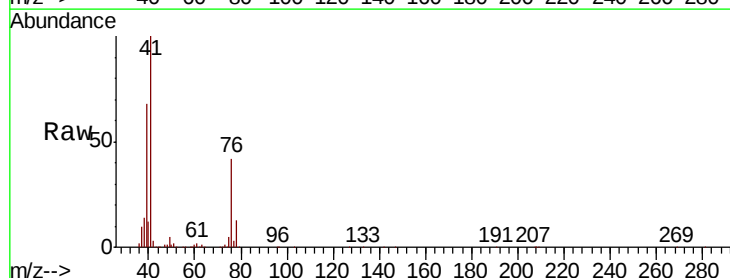
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

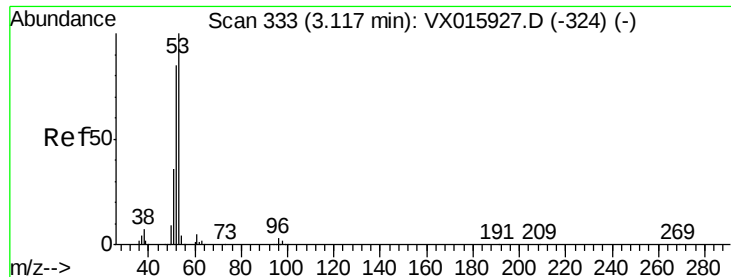
Tot Ion: 56 Resp: 130721
Ion Ratio Lower Upper
56 100
55 69.5 56.0 84.0



#14
Allyl chloride
Concen: 107.277 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion: 41 Resp: 291147
Ion Ratio Lower Upper
41 100
39 63.3 51.6 77.4
76 37.2 29.3 43.9





#15

Acrylonitrile

Concen: 568.058 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

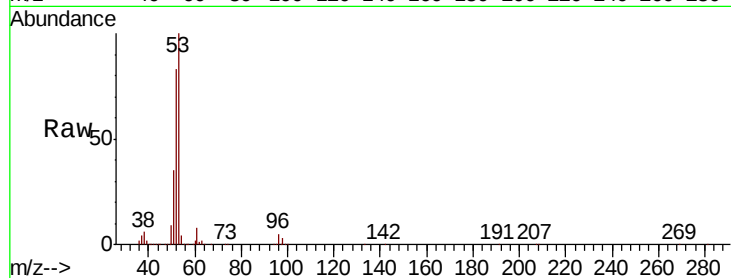
Tot Ion: 53 Resp: 500202

Ion Ratio Lower Upper

53 100

52 82.3 65.5 98.3

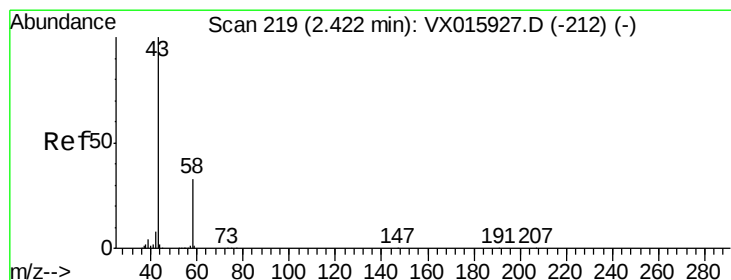
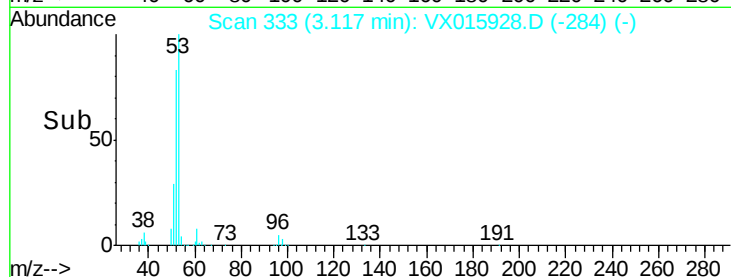
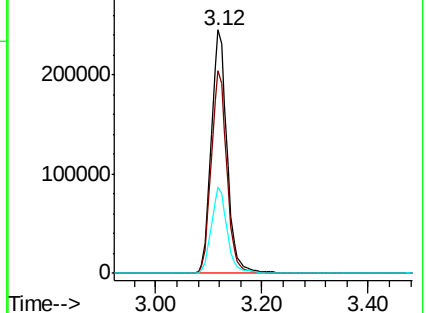
51 35.3 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 545.077 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX015928.D

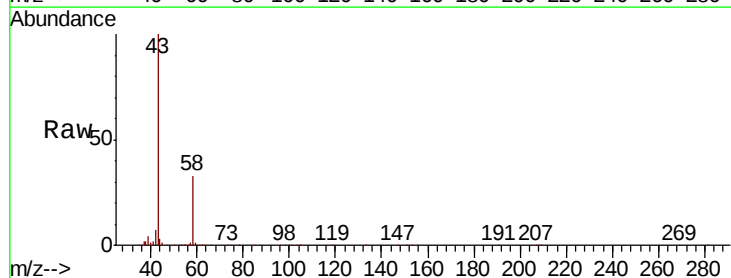
Acq: 24 Apr 2020 12:35

Tgt Ion: 43 Resp: 389619

Ion Ratio Lower Upper

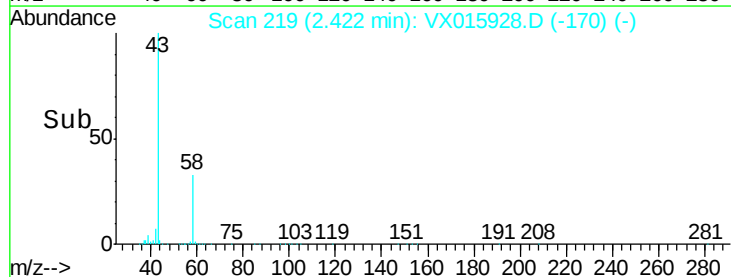
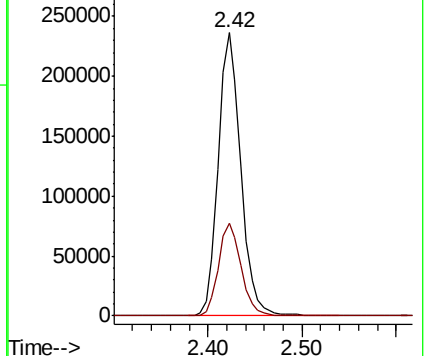
43 100

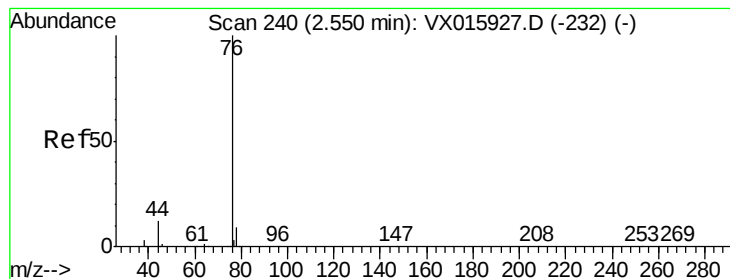
58 33.0 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 89.340 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

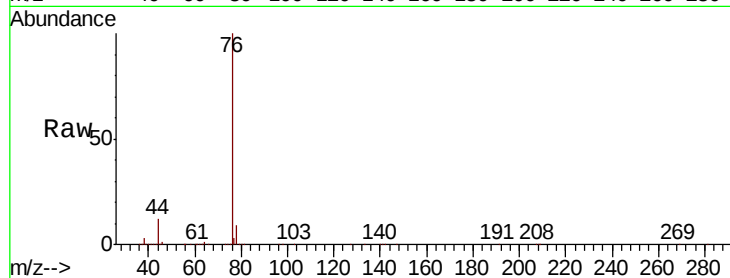
VSTDIC100

Tot Ion: 76 Resp: 436261

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

300000

250000

200000

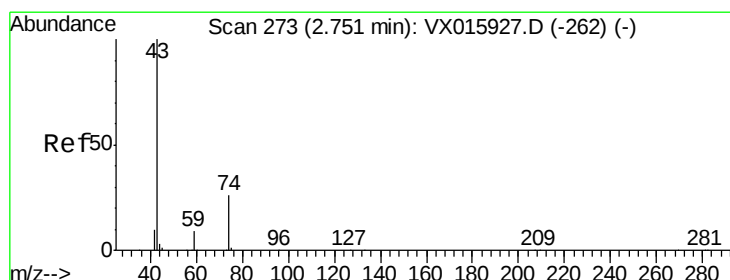
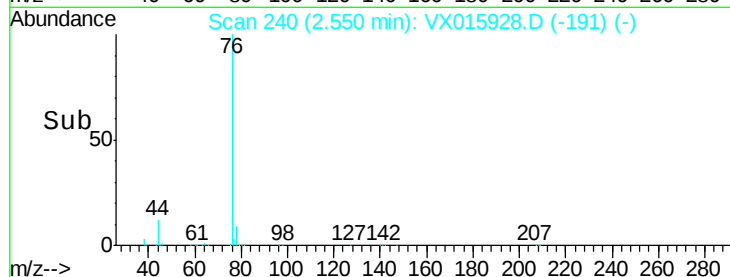
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 111.045 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX015928.D

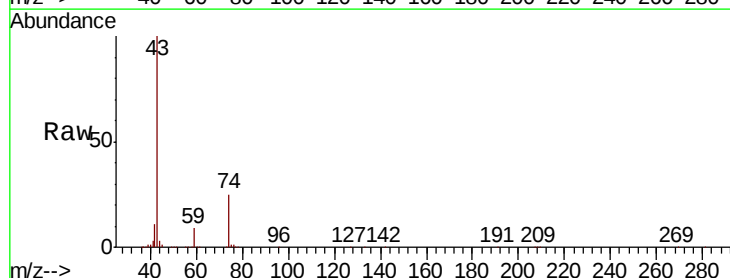
Acq: 24 Apr 2020 12:35

Tgt Ion: 43 Resp: 237765

Ion Ratio Lower Upper

43 100

74 25.7 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

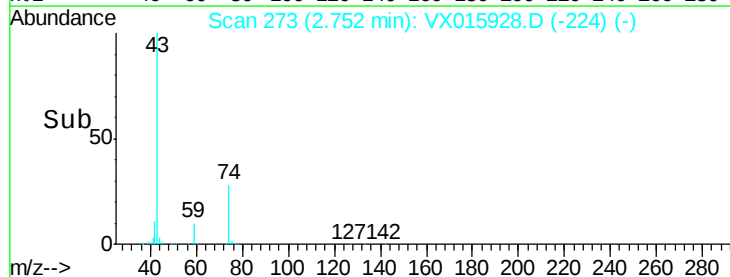
150000

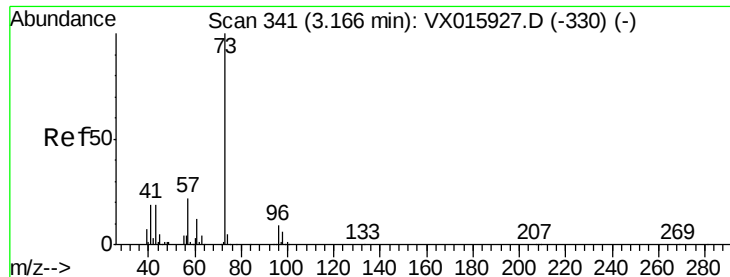
100000

50000

0

Time-->



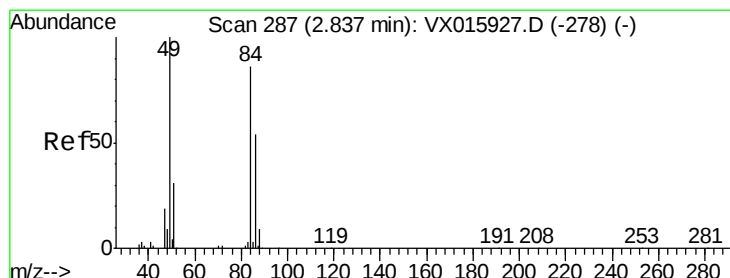
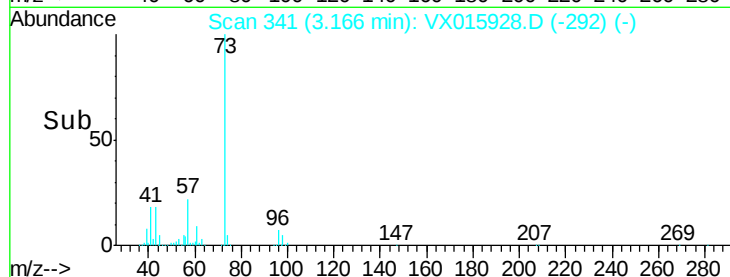
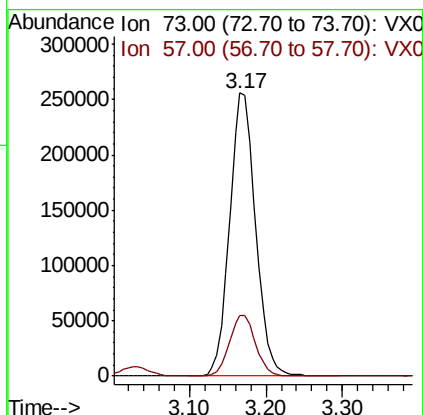
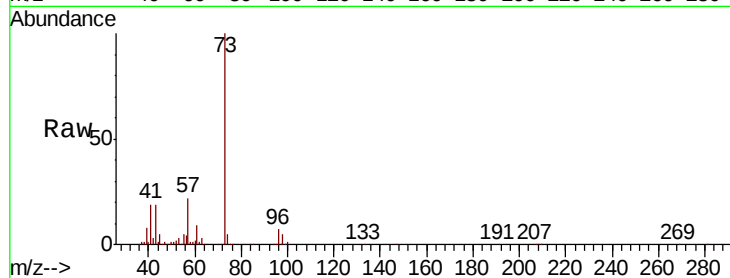


#19

Methyl tert-butyl Ether
 Concen: 110.281 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

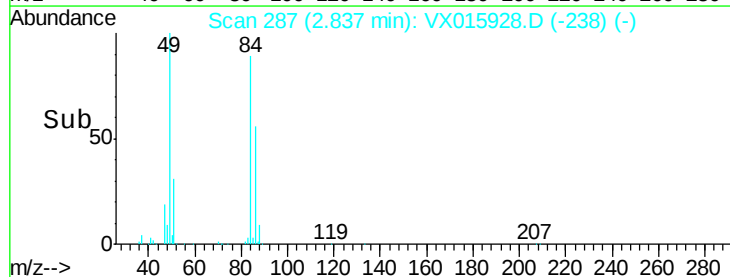
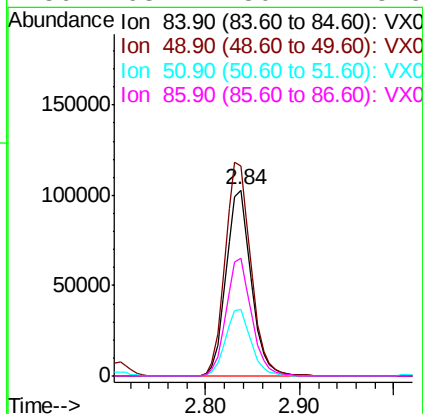
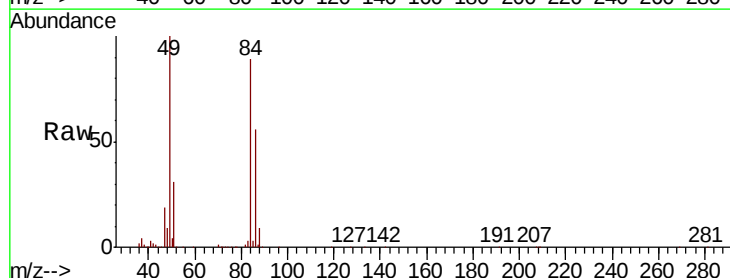
Tot Ion: 73 Resp: 599480
 Ion Ratio Lower Upper
 73 100
 57 21.6 17.3 25.9

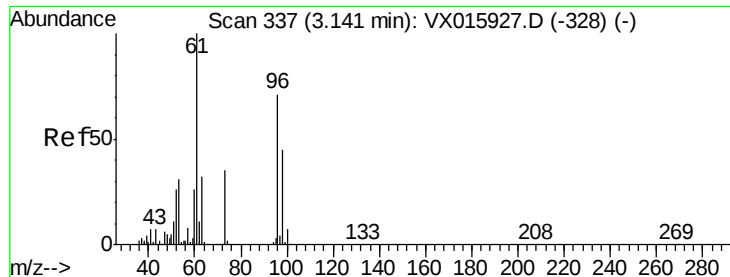


#20

Methylene Chloride
 Concen: 107.914 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Tgt Ion: 84 Resp: 190889
 Ion Ratio Lower Upper
 84 100
 49 112.9 93.0 139.6
 51 35.5 28.6 43.0
 86 63.1 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 108.007 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

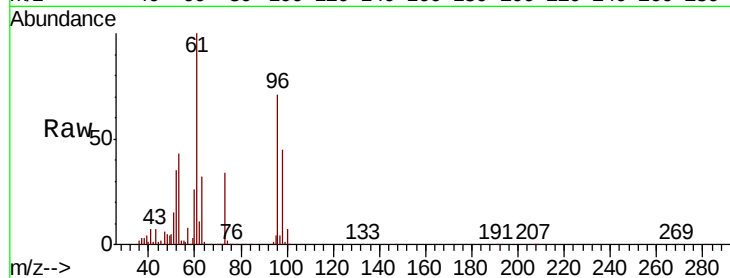
Tot Ion: 96 Resp: 183941

Ion Ratio Lower Upper

96 100

61 141.4 112.7 169.1

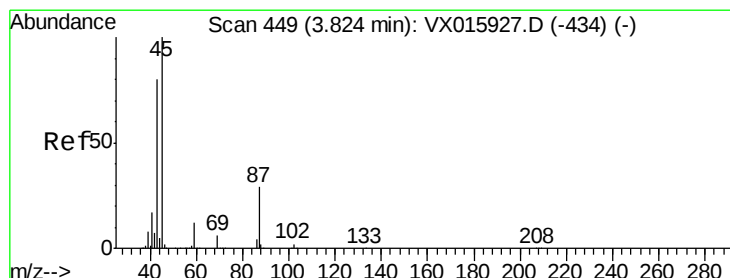
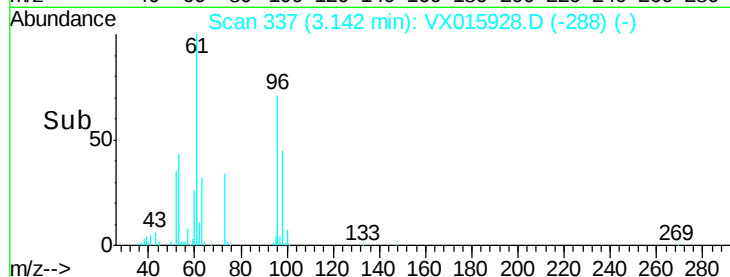
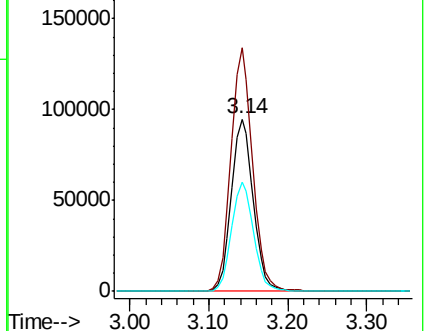
98 63.6 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 108.109 ug/l

RT: 3.83 min Scan# 450

Delta R.T. 0.01 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Tgt Ion: 45 Resp: 577146

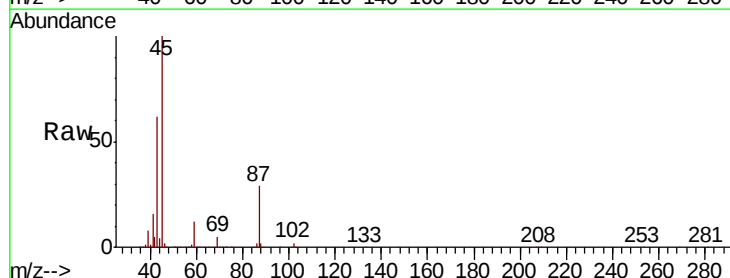
Ion Ratio Lower Upper

45 100

43 62.3 63.8 95.6#

87 28.9 22.9 34.3

59 12.2 9.5 14.3

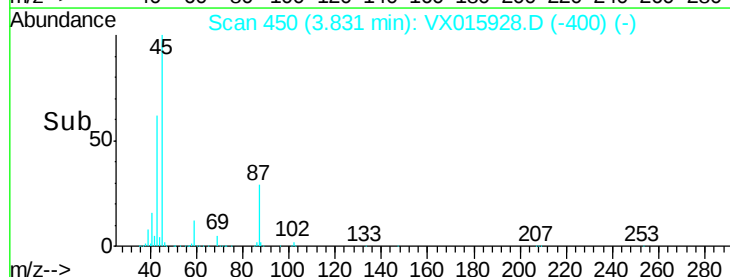
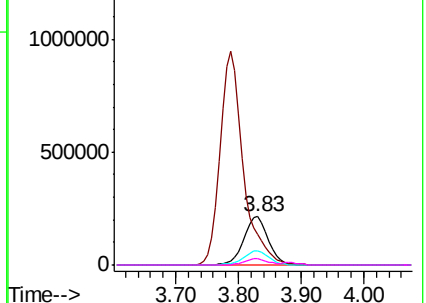


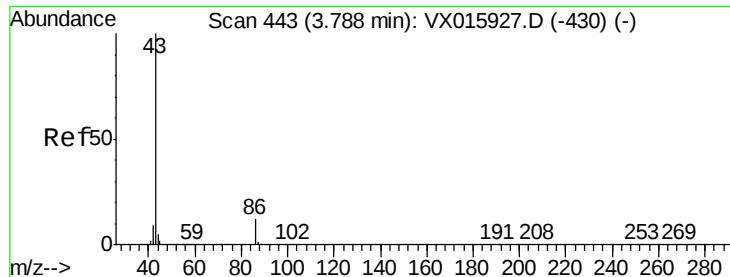
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 557.919 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

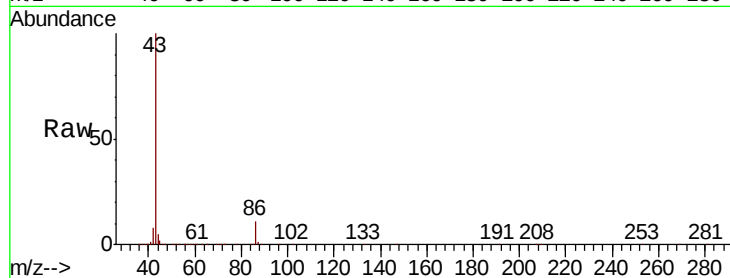
VSTDIC100

Tot Ion: 43 Resp: 2416362

Ion Ratio Lower Upper

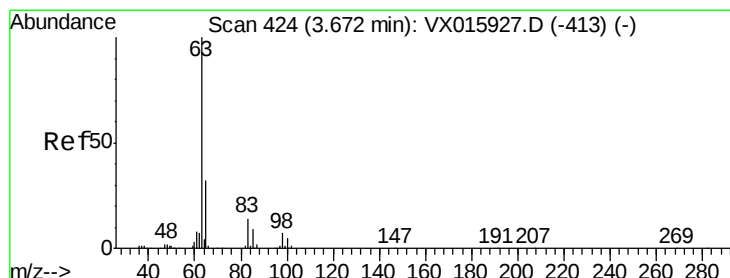
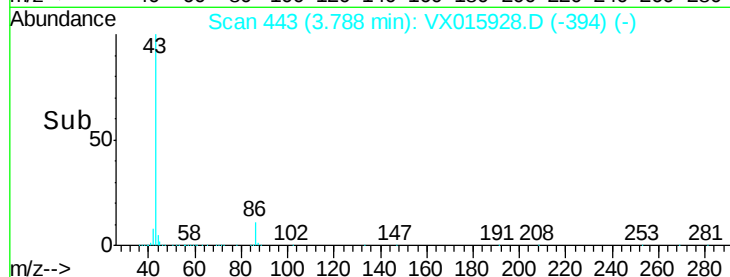
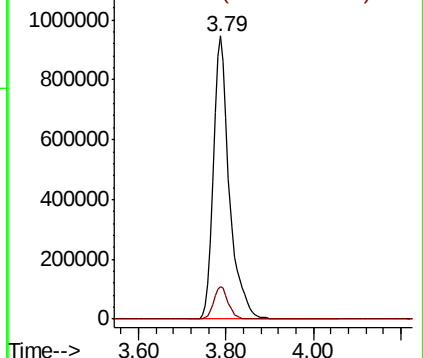
43 100

86 11.5 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 109.647 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

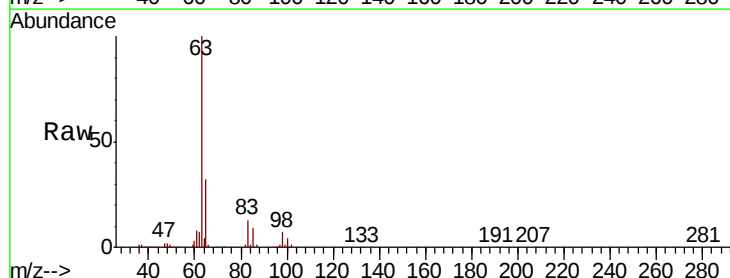
Tgt Ion: 63 Resp: 333065

Ion Ratio Lower Upper

63 100

98 7.2 3.7 11.1

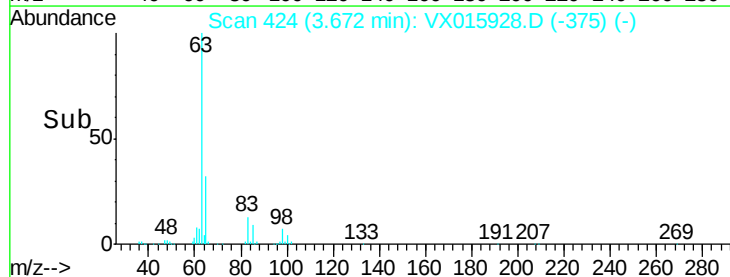
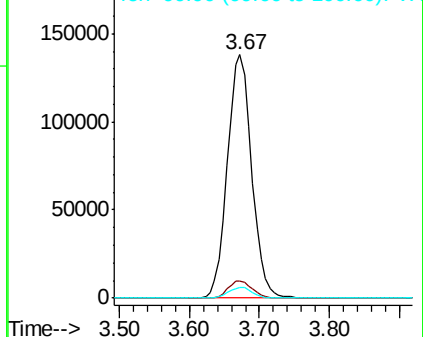
100 4.3 2.3 6.9

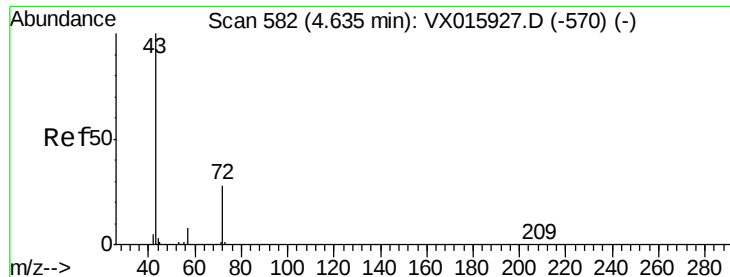


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 569.391 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

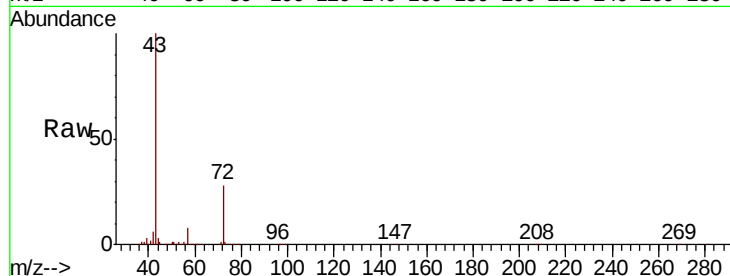
VSTDIC100

Tot Ion: 43 Resp: 651879

Ion Ratio Lower Upper

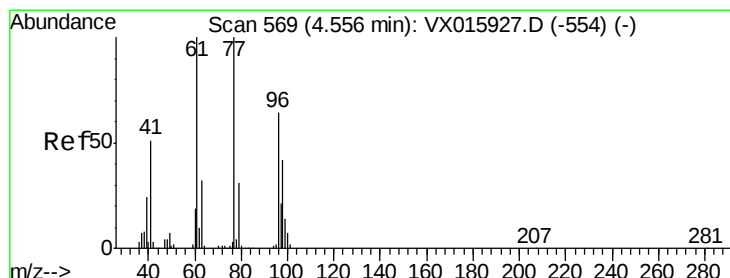
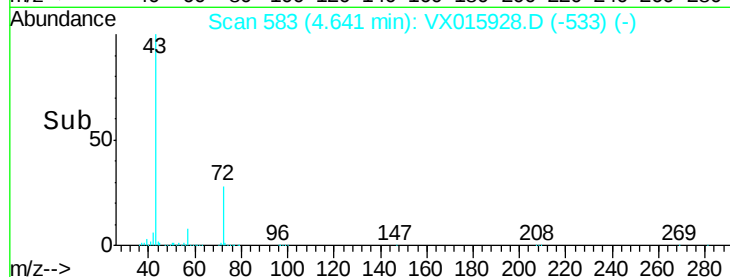
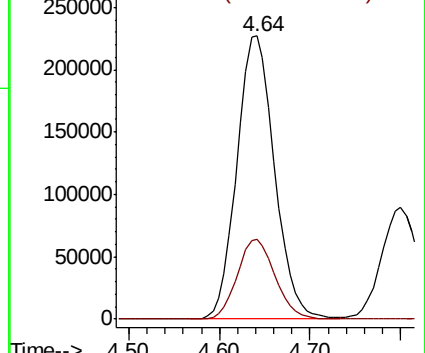
43 100

72 28.0 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 106.175 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX015928.D

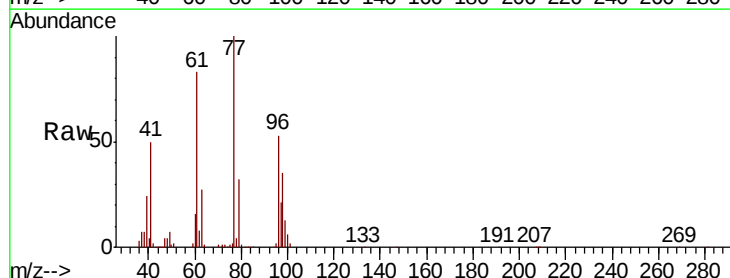
Acq: 24 Apr 2020 12:35

Tgt Ion: 77 Resp: 287829

Ion Ratio Lower Upper

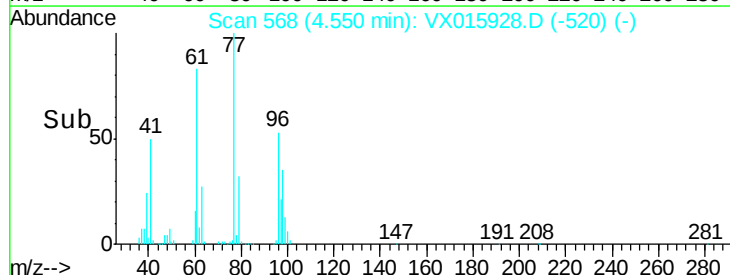
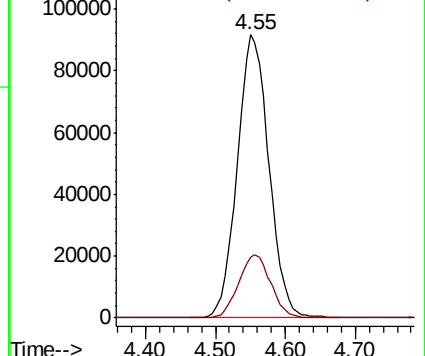
77 100

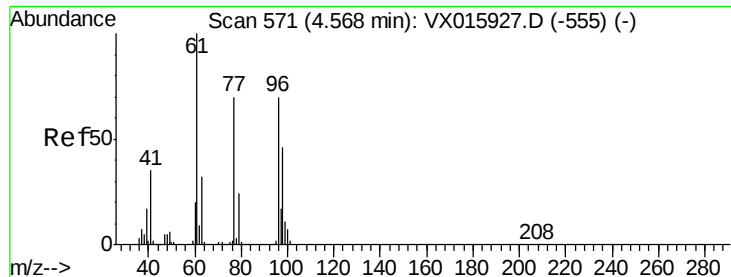
97 22.6 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



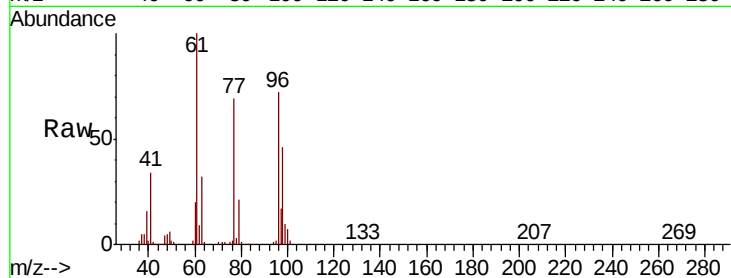


#27

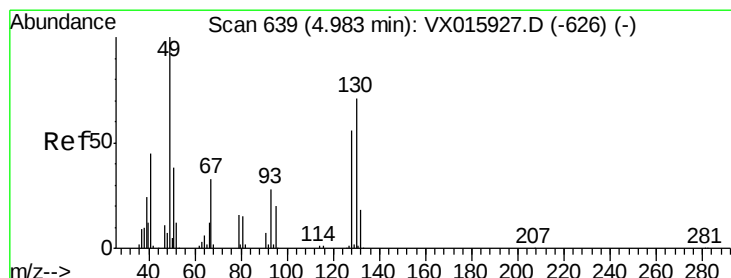
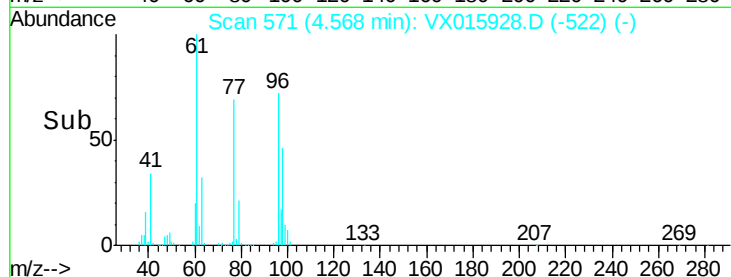
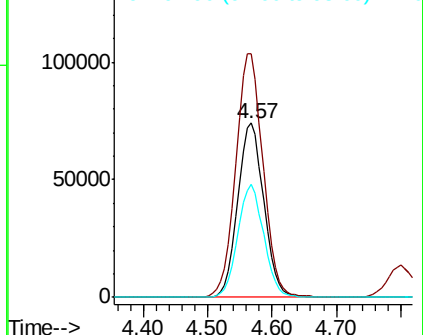
cis-1,2-Dichloroethene
Concen: 107.932 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	293.4
98	64.2	0.0	129.0



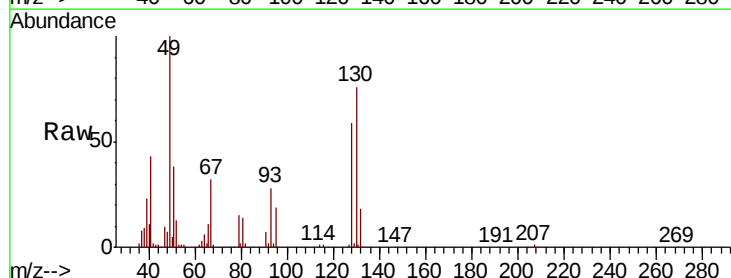
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



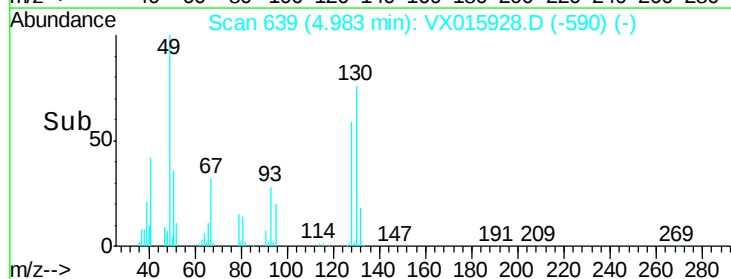
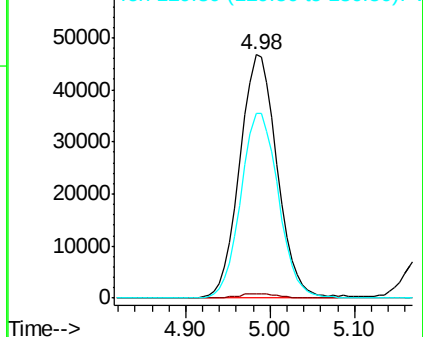
#28

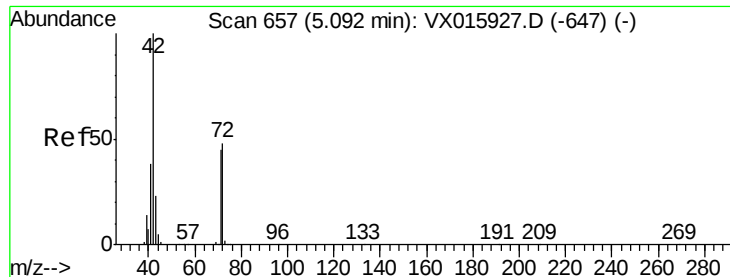
Bromochloromethane
Concen: 104.098 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	76.4	60.7	91.1



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 556.571 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

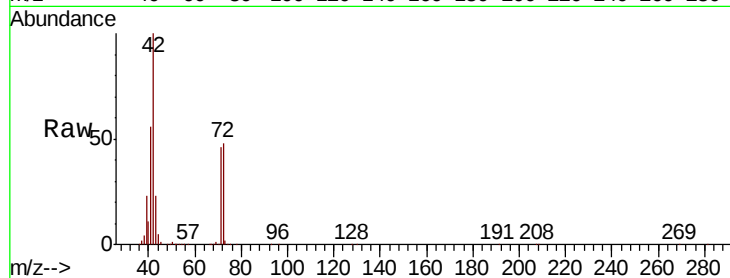
Tot Ion: 42 Resp: 423462

Ion Ratio Lower Upper

42 100

72 49.2 39.5 59.3

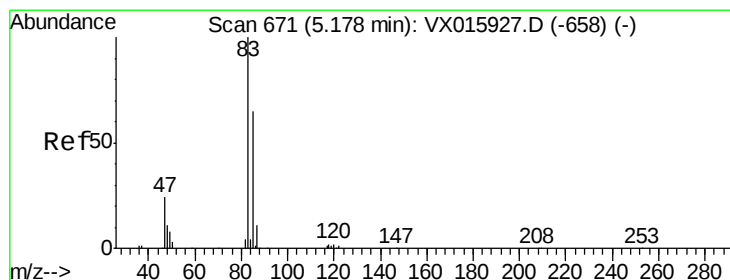
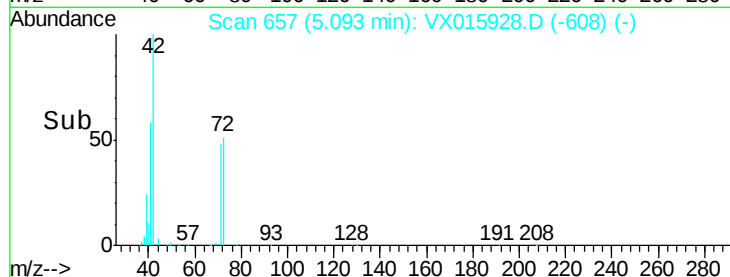
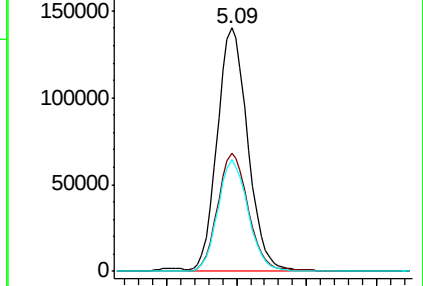
71 45.8 36.4 54.6



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 109.641 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX015928.D

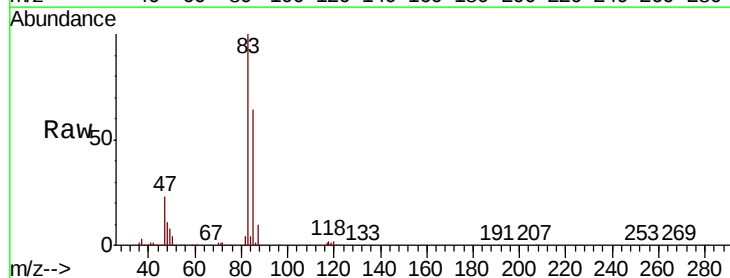
Acq: 24 Apr 2020 12:35

Tgt Ion: 83 Resp: 329218

Ion Ratio Lower Upper

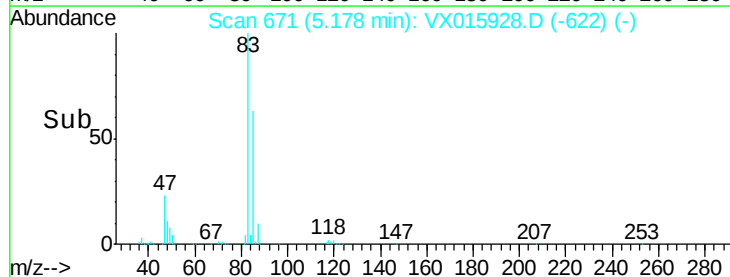
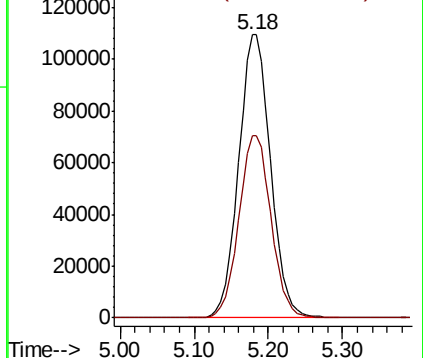
83 100

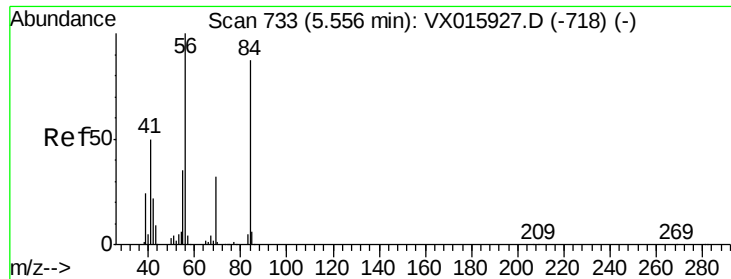
85 64.4 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

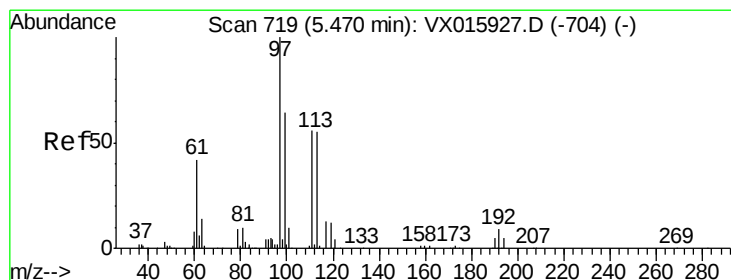
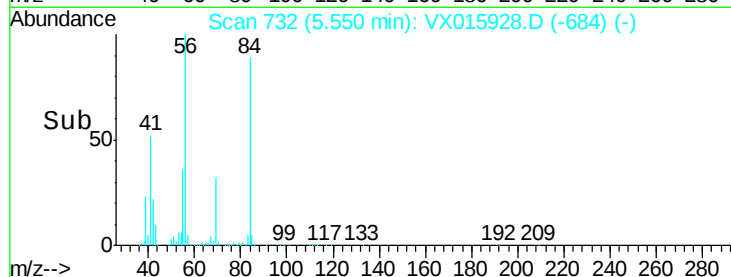
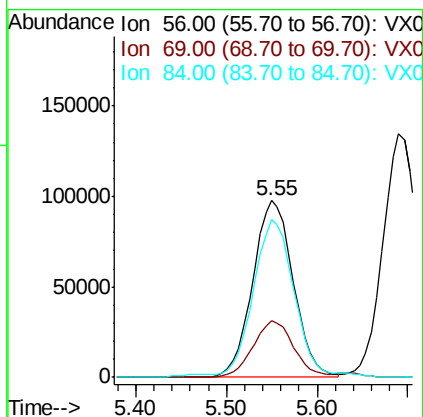
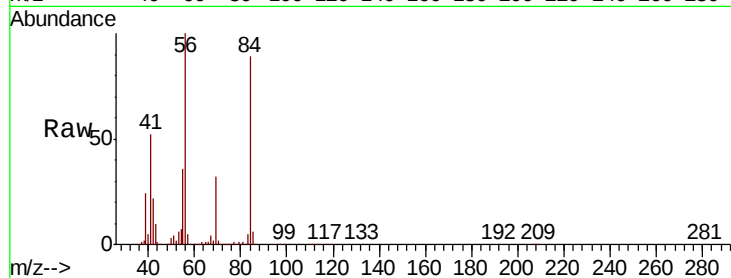




#31
Cyclohexane
Concen: 109.238 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.01 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

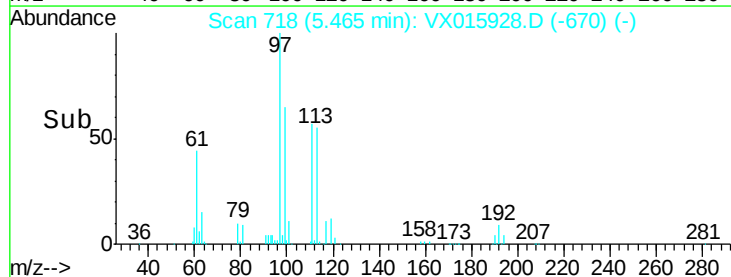
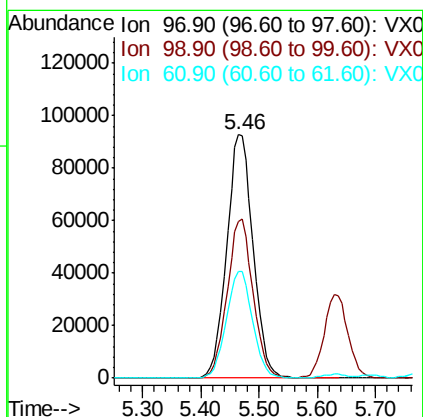
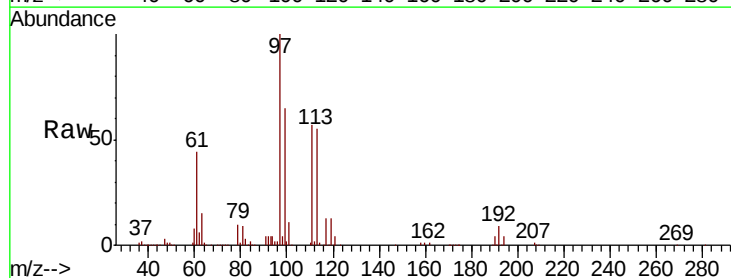
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

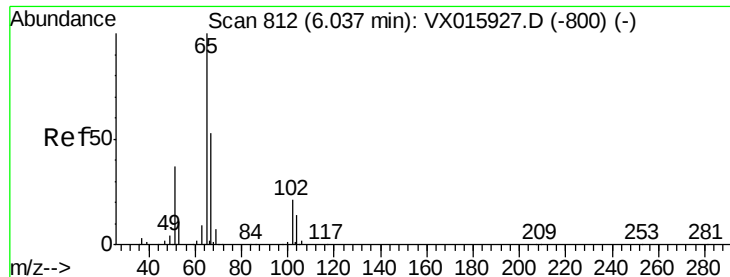
Tot Ion: 56 Resp: 301688
Ion Ratio Lower Upper
56 100
69 32.0 25.4 38.0
84 88.0 69.5 104.3



#32
1,1,1-Trichloroethane
Concen: 106.960 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion: 97 Resp: 291275
Ion Ratio Lower Upper
97 100
99 64.0 51.1 76.7
61 43.8 35.0 52.4





#33

1,2-Dichloroethane-d4

Concen: 107.516 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

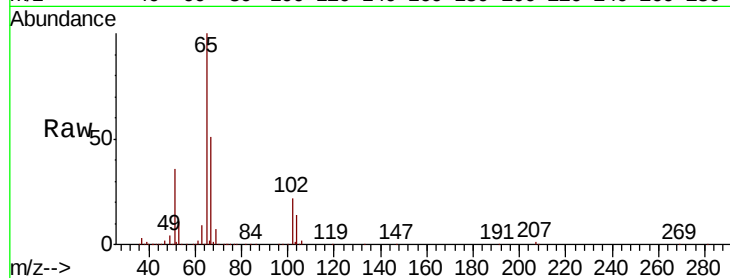
VSTDIC100

Tot Ion: 65 Resp: 207207

Ion Ratio Lower Upper

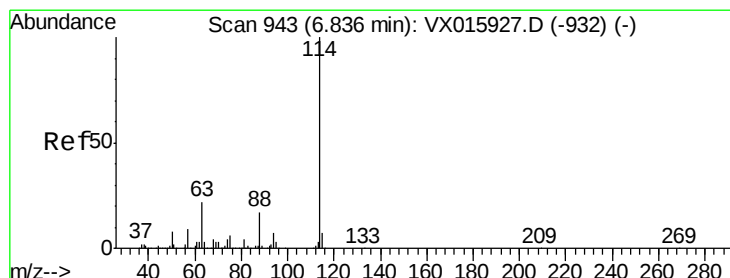
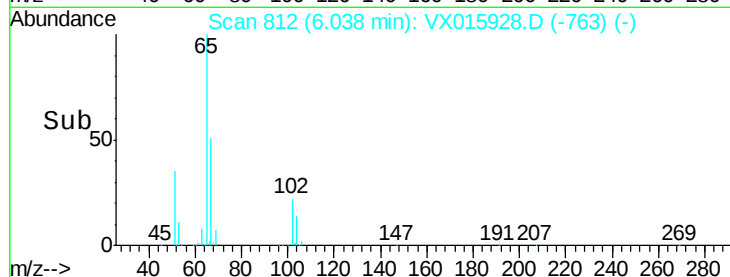
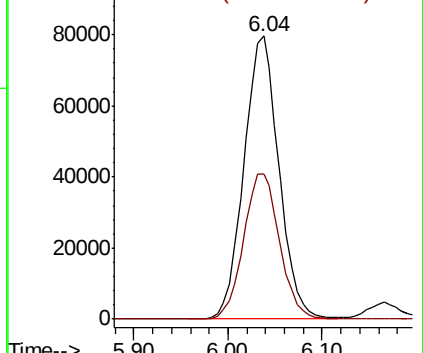
65 100

67 52.8 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

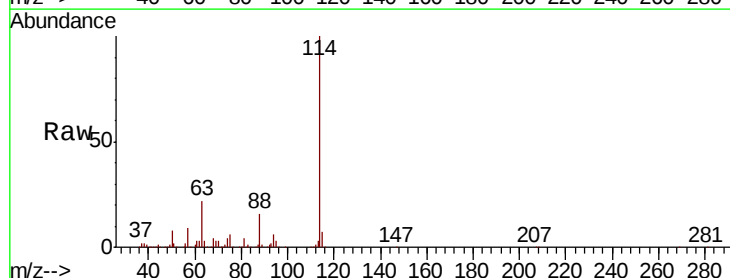
Tgt Ion: 114 Resp: 264213

Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.4

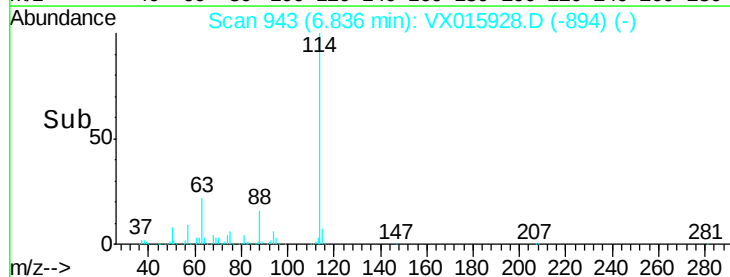
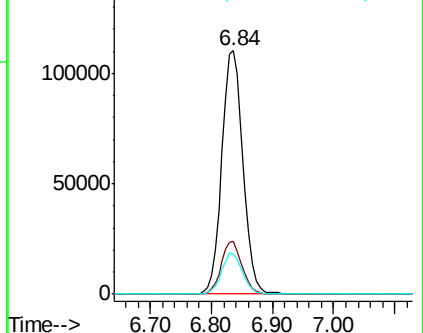
88 16.3 0.0 34.2

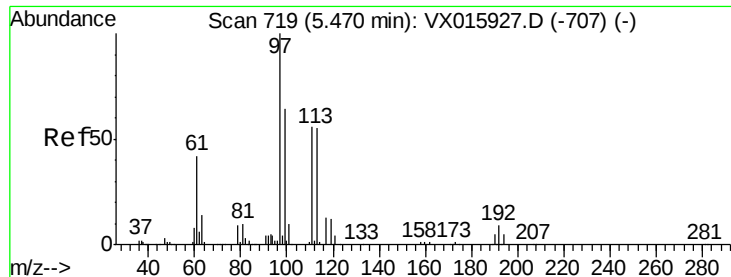


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

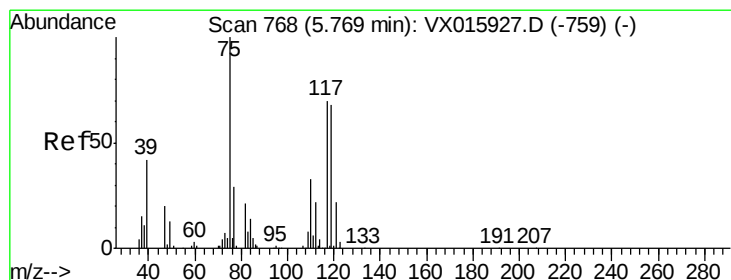
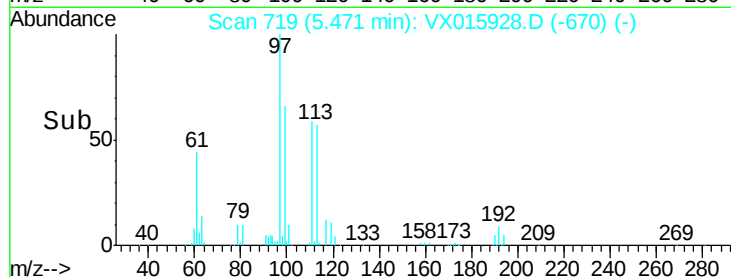
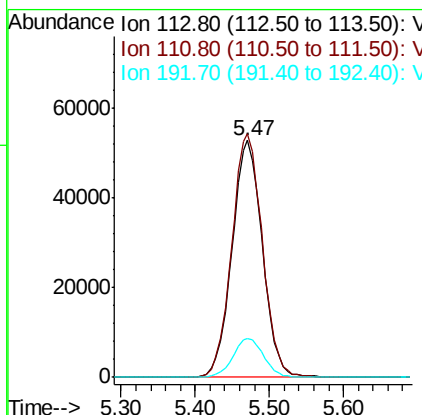
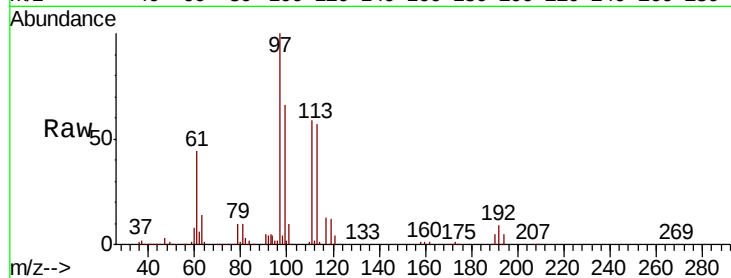




#35
 Dibromofluoromethane
 Concen: 102.615 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

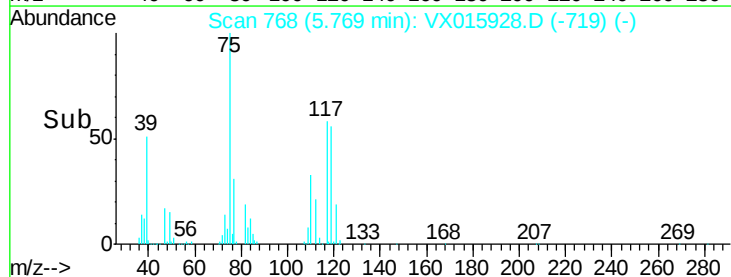
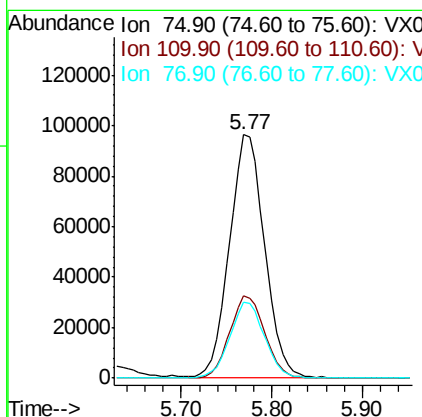
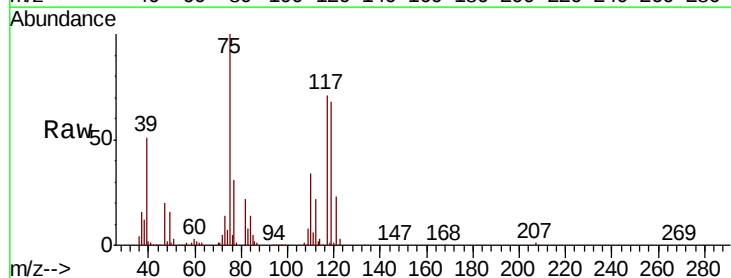
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

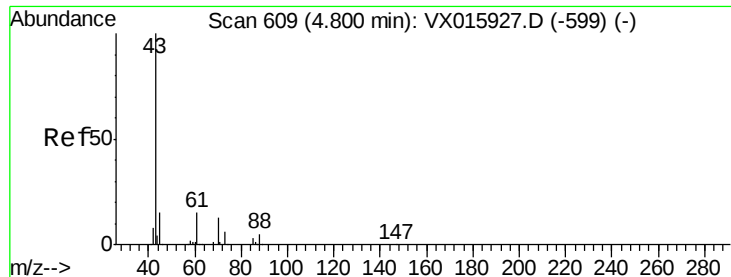
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.2	121.8
192	16.6	13.6	20.4



#36
 1,1-Dichloropropene
 Concen: 103.188 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.1	51.3
77	30.7	25.0	37.4

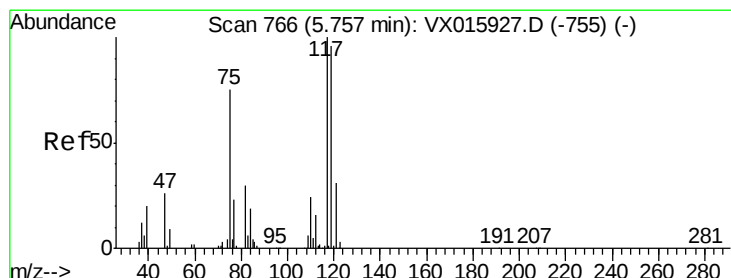
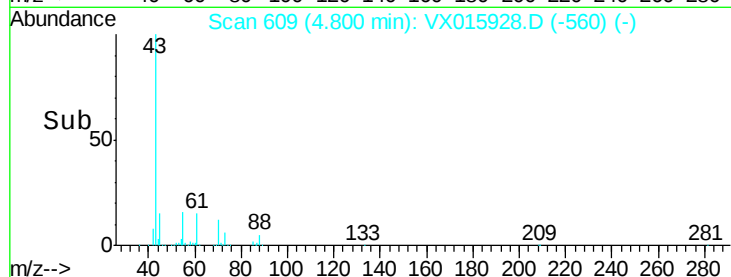
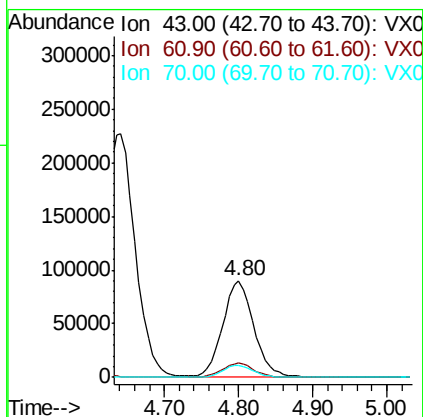
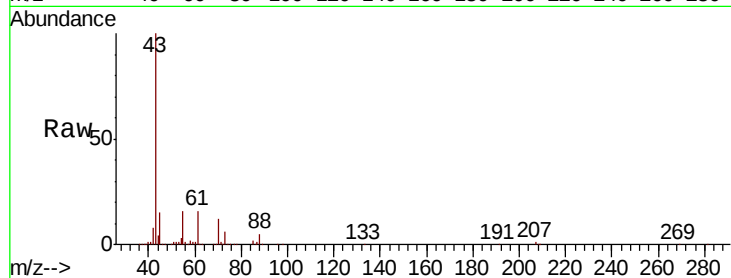




#37
Ethyl Acetate
Concen: 104.311 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

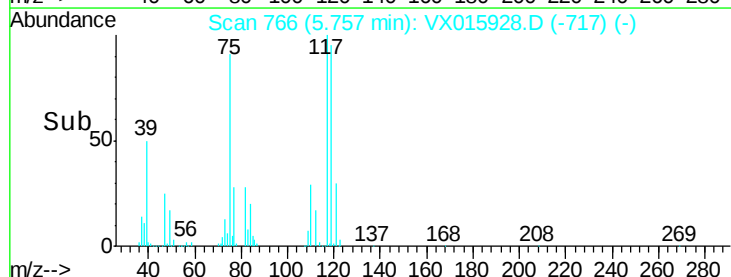
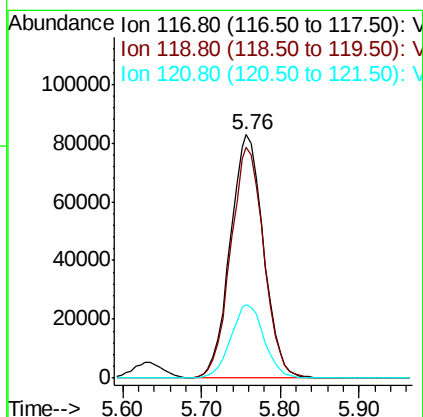
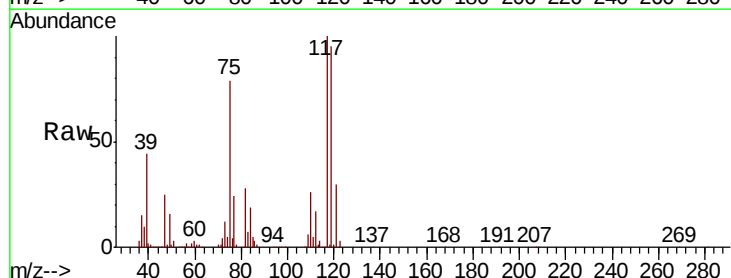
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

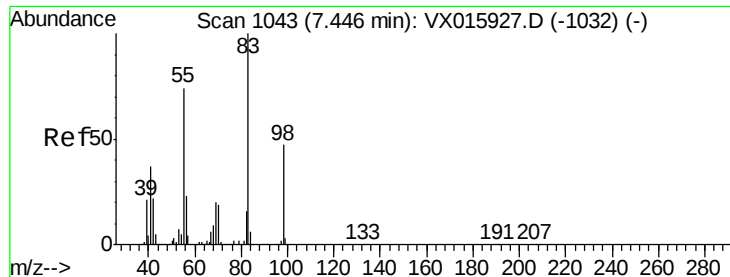
Tot Ion: 43 Resp: 261012
Ion Ratio Lower Upper
43 100
61 14.9 11.6 17.4
70 12.2 9.8 14.6



#38
Carbon Tetrachloride
Concen: 107.288 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion: 117 Resp: 241776
Ion Ratio Lower Upper
117 100
119 94.8 77.0 115.6
121 30.4 25.0 37.4

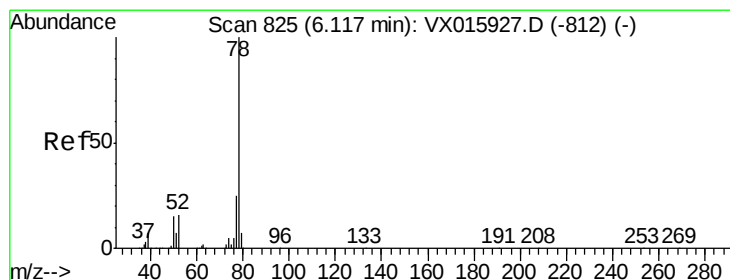
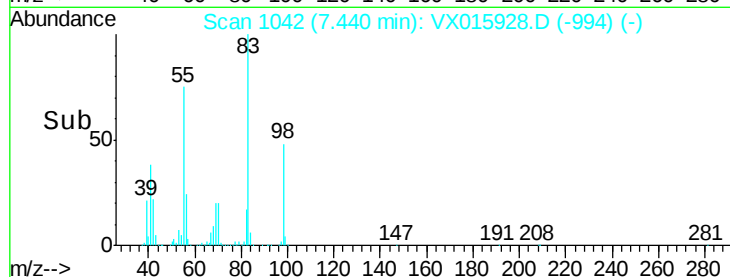
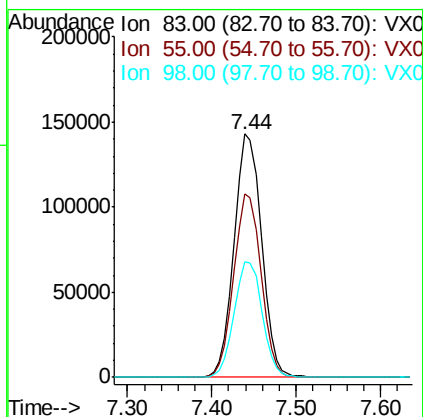
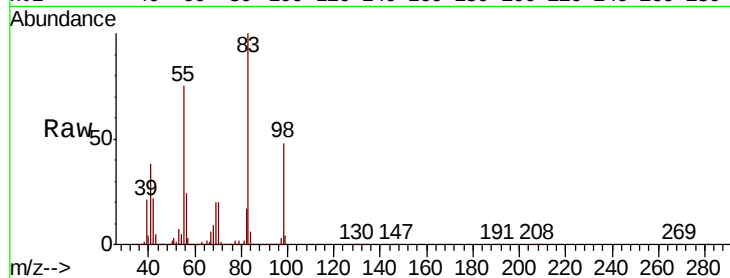




#39
Methvlcvclohexane
Concen: 105.092 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

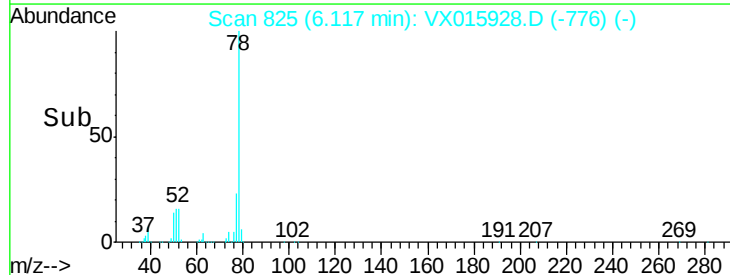
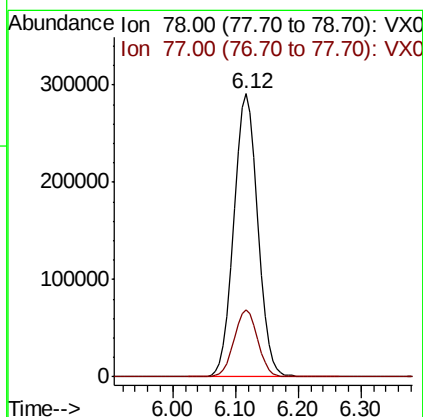
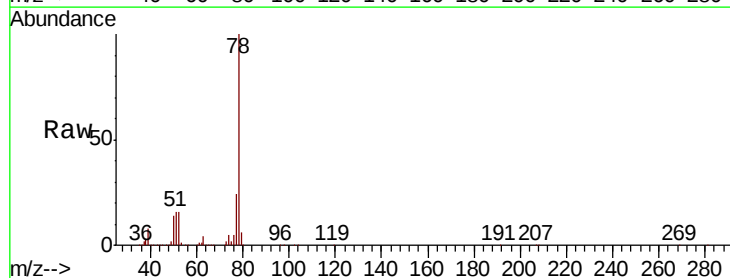
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

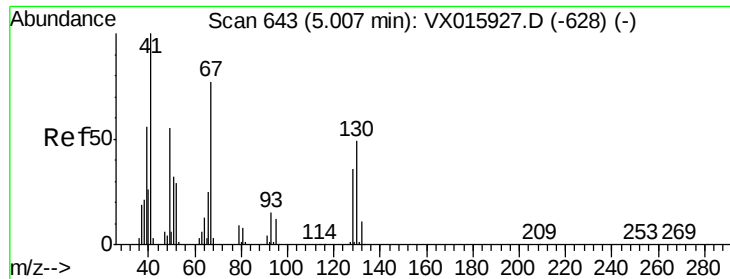
Tot Ion: 83 Resp: 316265
Ion Ratio Lower Upper
83 100
55 75.4 59.0 88.4
98 47.6 37.4 56.0



#40
Benzene
Concen: 105.929 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion: 78 Resp: 768044
Ion Ratio Lower Upper
78 100
77 23.5 19.8 29.8

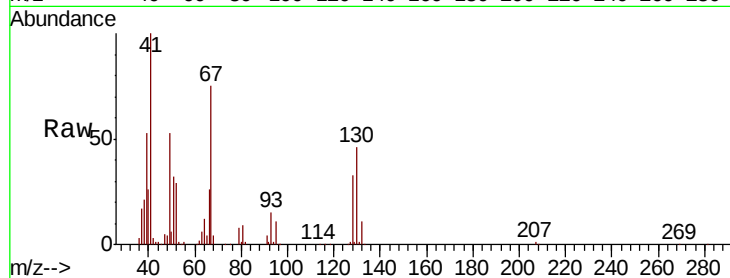




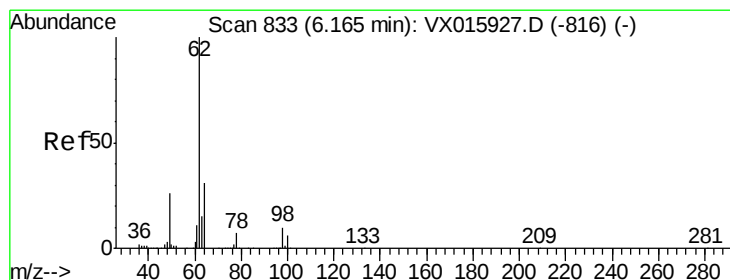
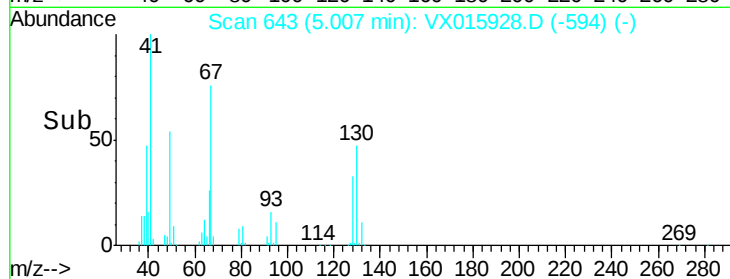
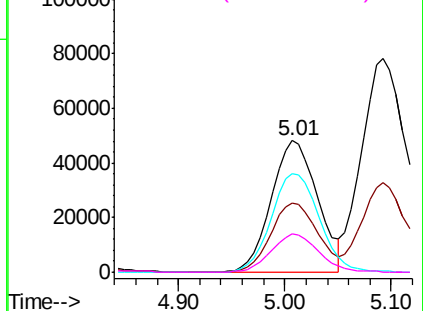
#41
Methacrylonitrile
Concen: 100.849 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	144750
Ion	Ratio	Lower	Upper
41	100		
39	53.4	42.8	64.2
67	78.0	62.0	93.0
52	29.8	24.2	36.4

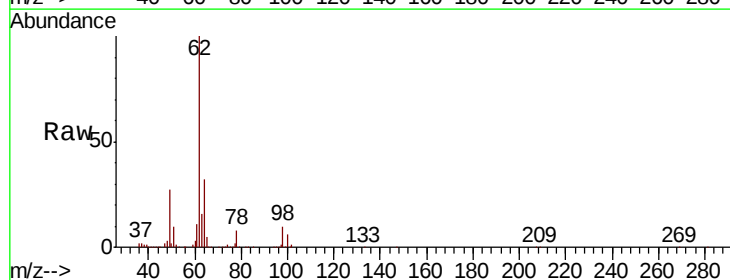


Abundance Ion 41.00 (40.70 to 41.70): VX0
120000 Ion 39.00 (38.70 to 39.70): VX0
100000 Ion 67.00 (66.70 to 67.70): VX0
80000 Ion 52.00 (51.70 to 52.70): VX0

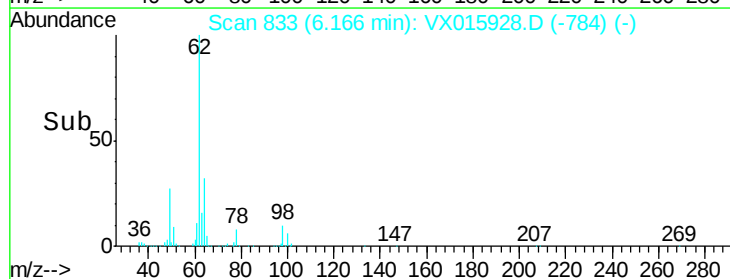
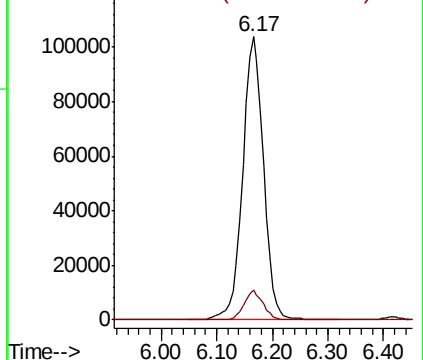


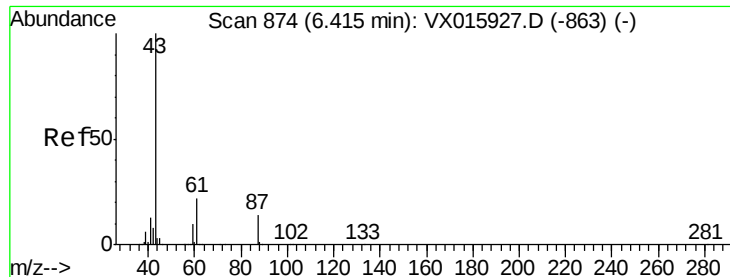
#42
1,2-Dichloroethane
Concen: 105.833 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion:	62	Resp:	269003
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.0



Abundance Ion 61.90 (61.60 to 62.60): VX0
120000 Ion 97.90 (97.60 to 98.60): VX0



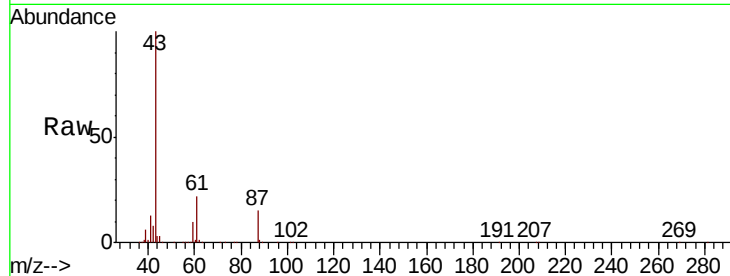


#43

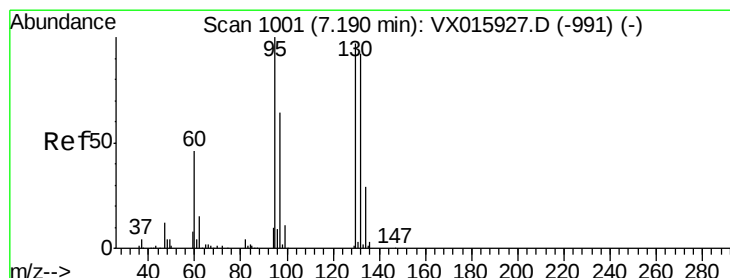
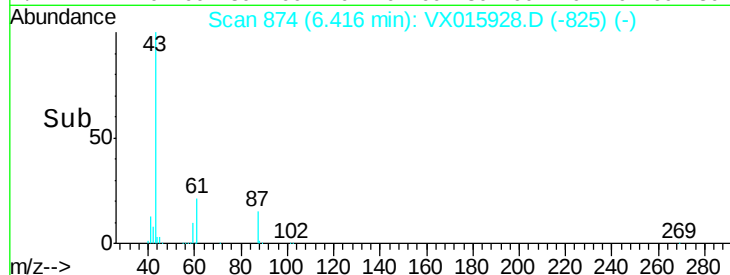
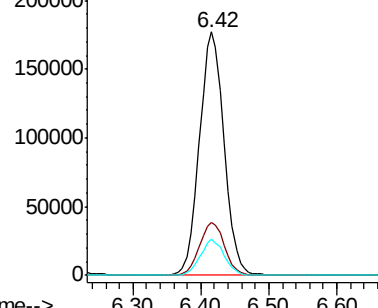
Isopropyl Acetate
 Concen: 109.090 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	43	Resp	440879
Ion Ratio	Lower	Upper	
43	100		
61	22.2	17.6	26.4
87	14.6	11.6	17.4



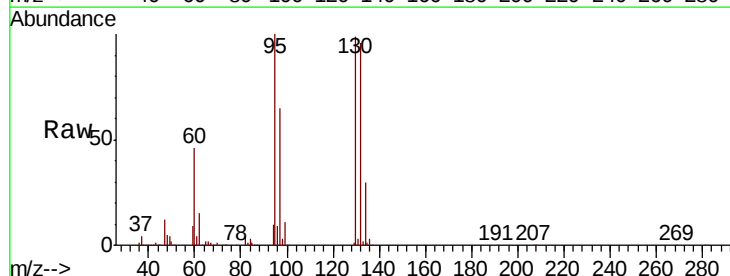
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



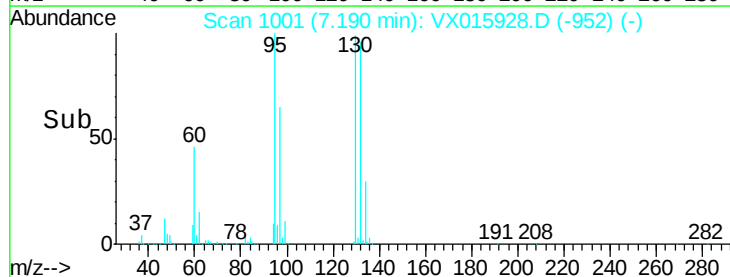
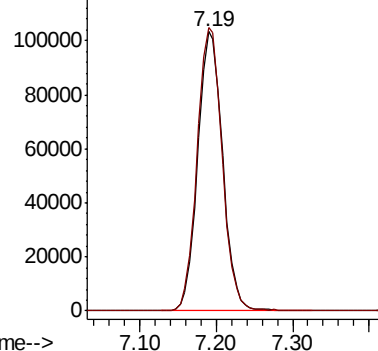
#44

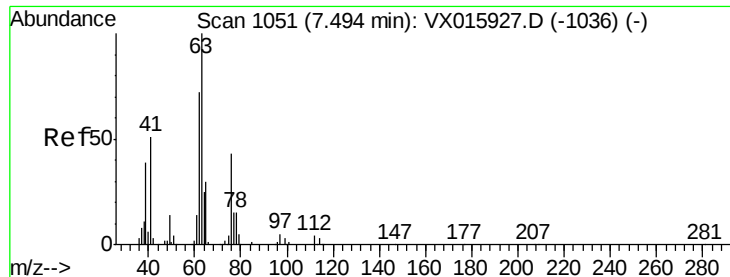
Trichloroethene
 Concen: 102.999 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Tgt Ion	130	Resp	232079
Ion Ratio	Lower	Upper	
130	100		
95	101.4	0.0	205.2



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





#45

1,2-Dichloropropane

Concen: 106.458 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

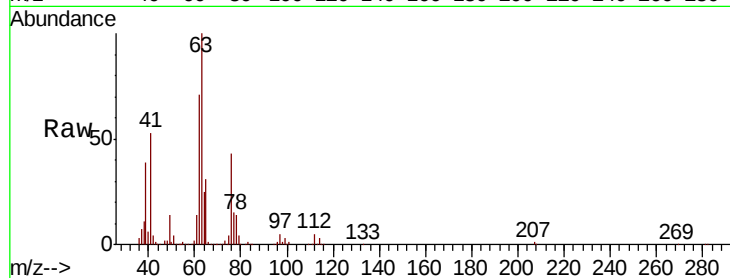
VSTDIC100

Tot Ion: 63 Resp: 197126

Ion Ratio Lower Upper

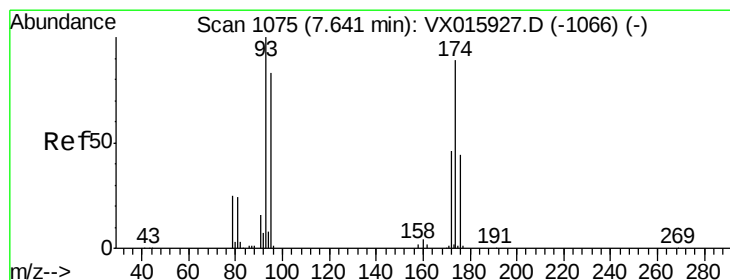
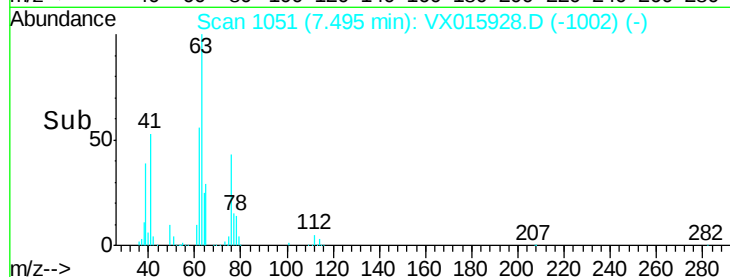
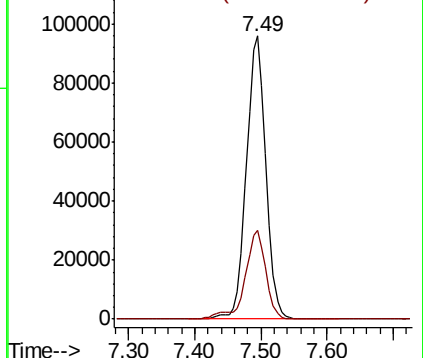
63 100

65 31.2 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 106.125 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

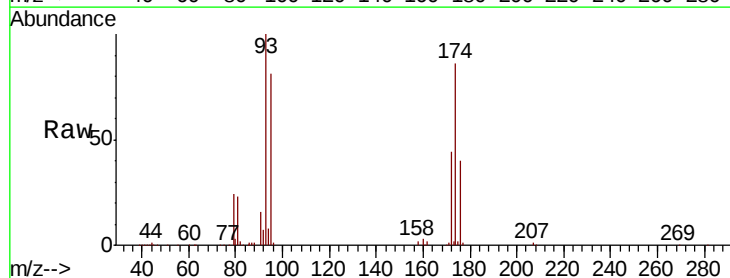
Tgt Ion: 93 Resp: 131630

Ion Ratio Lower Upper

93 100

95 82.6 65.7 98.5

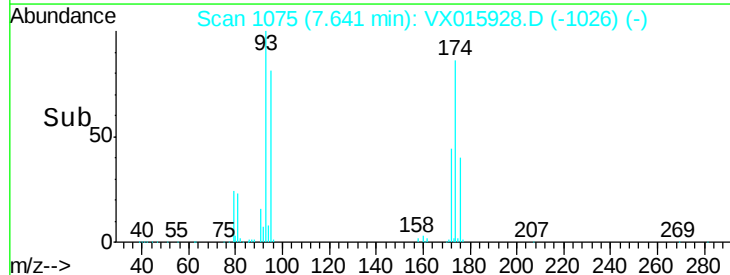
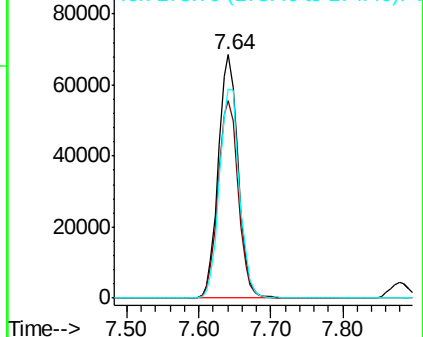
174 87.3 70.6 105.8

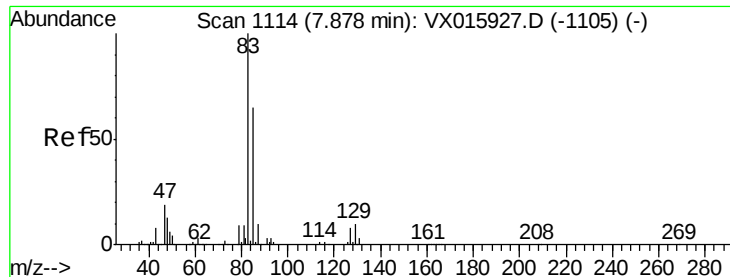


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 109.958 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

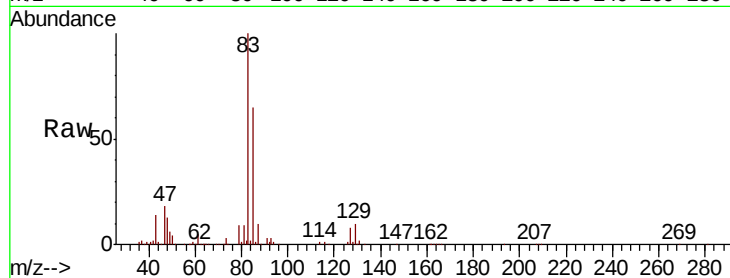
Tot Ion: 83 Resp: 273391

Ion Ratio Lower Upper

83 100

85 64.8 51.6 77.4

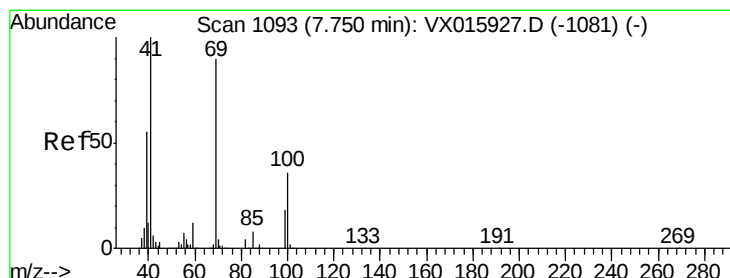
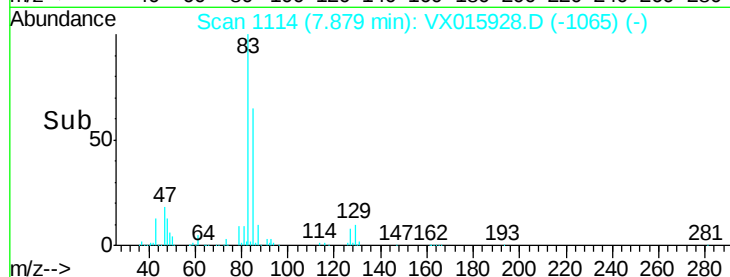
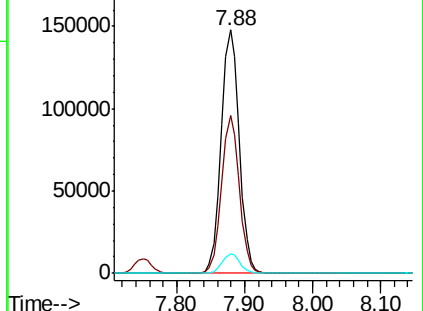
127 8.1 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 107.672 ug/l

RT: 7.75 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

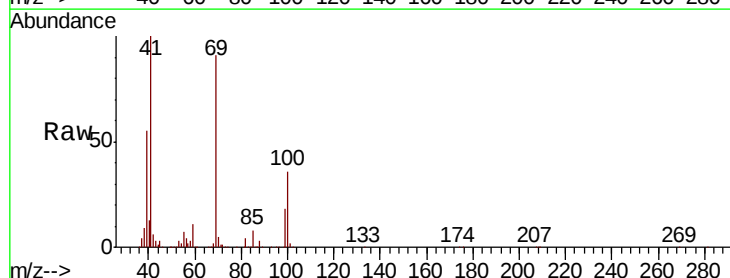
Tgt Ion: 41 Resp: 214410

Ion Ratio Lower Upper

41 100

69 90.3 72.0 108.0

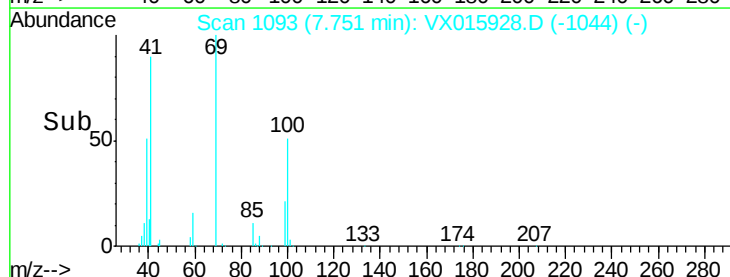
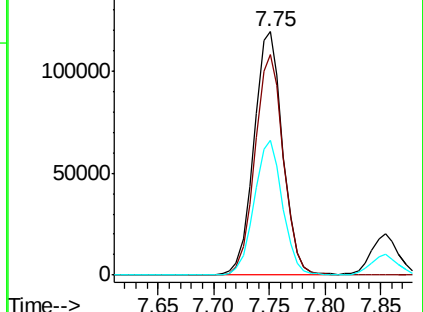
39 54.6 44.1 66.1

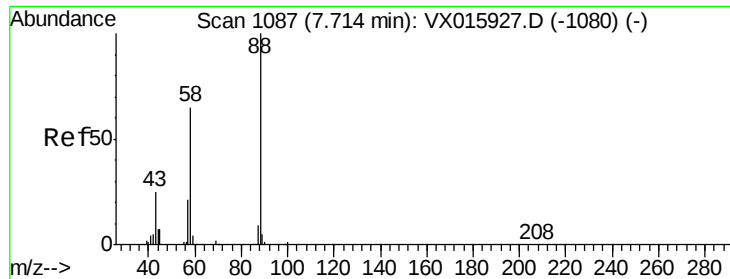


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 2308.175 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

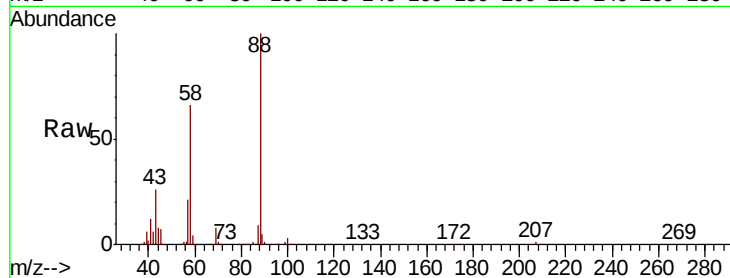
Tot Ion: 88 Resp: 99895

Ion Ratio Lower Upper

88 100

43 30.4 23.8 35.8

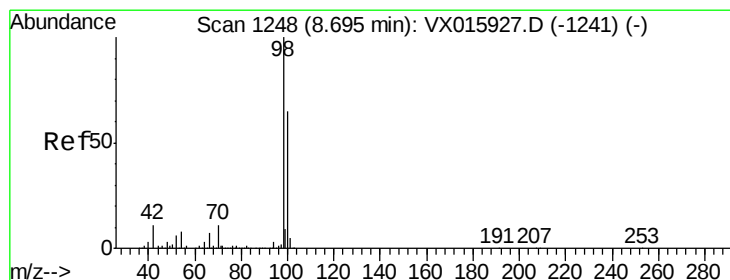
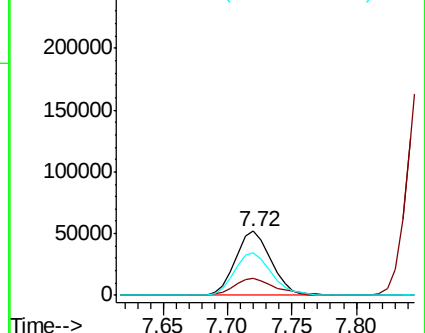
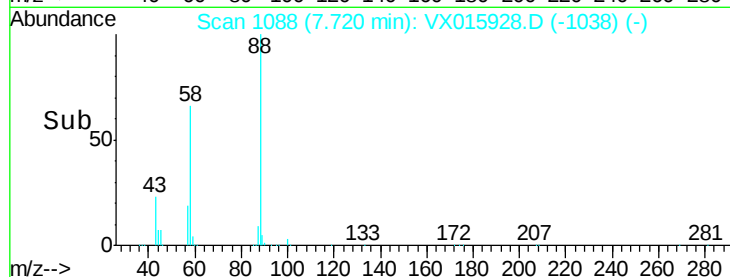
58 69.4 55.7 83.5



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 107.363 ug/l

RT: 8.70 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VX015928.D

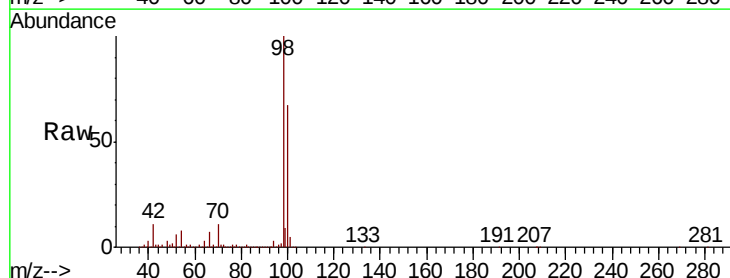
Acq: 24 Apr 2020 12:35

Tgt Ion: 98 Resp: 637963

Ion Ratio Lower Upper

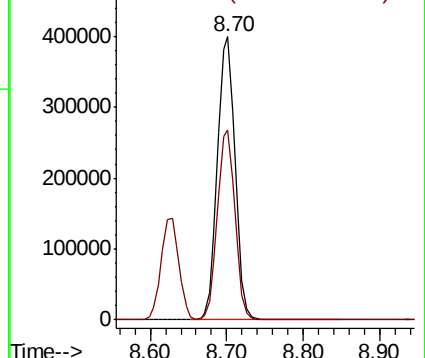
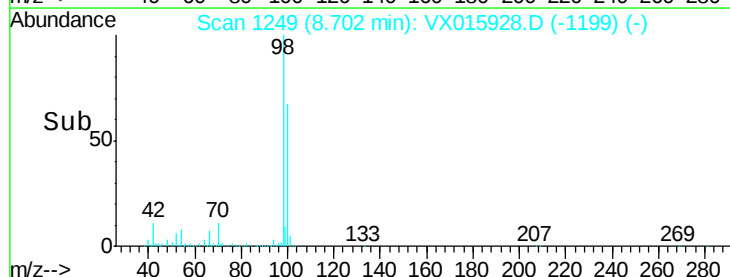
98 100

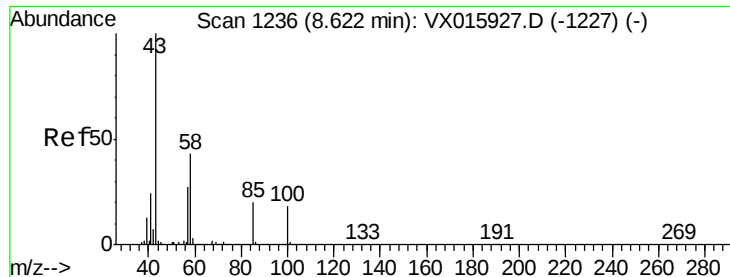
100 67.1 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

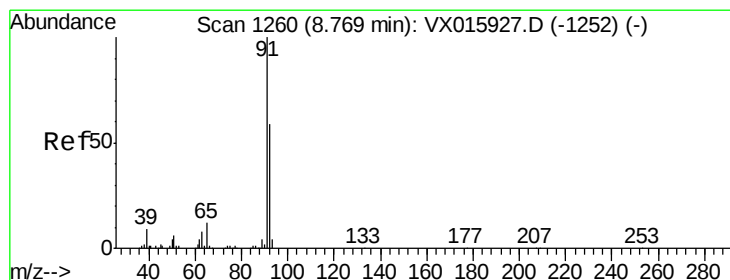
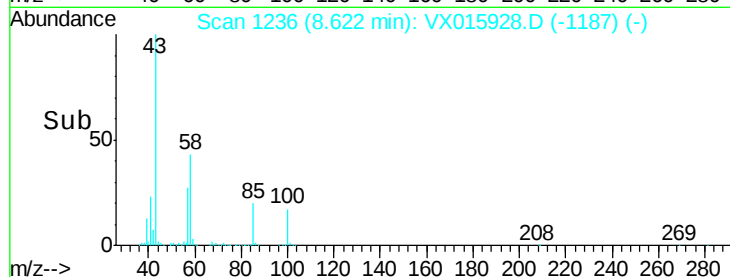
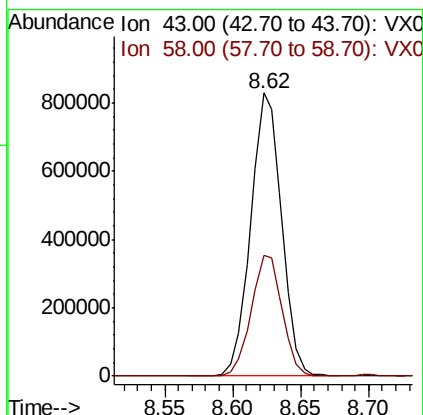
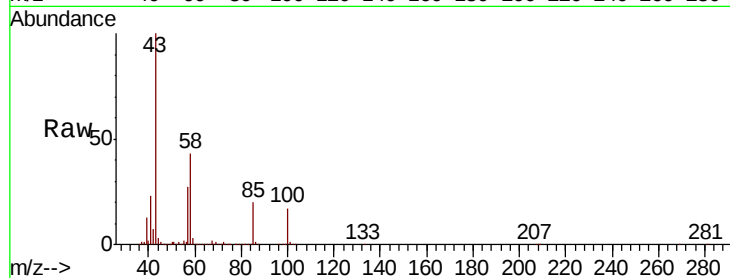




#51
4-Methyl-2-Pentanone
Concen: 565.578 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

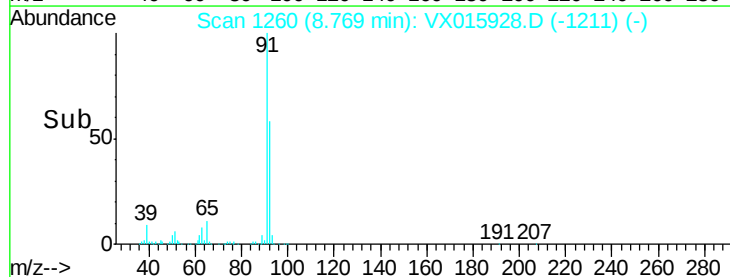
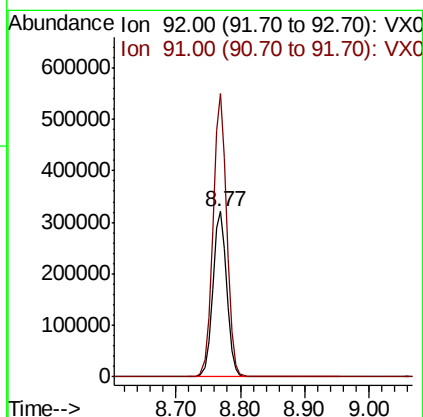
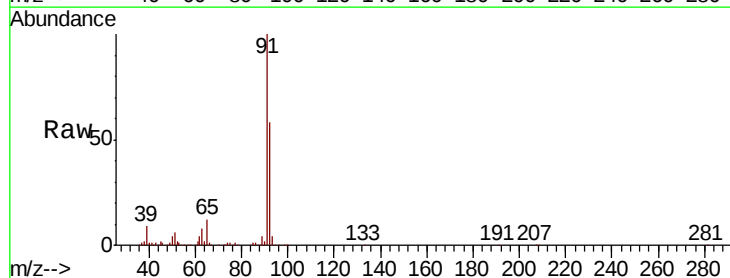
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

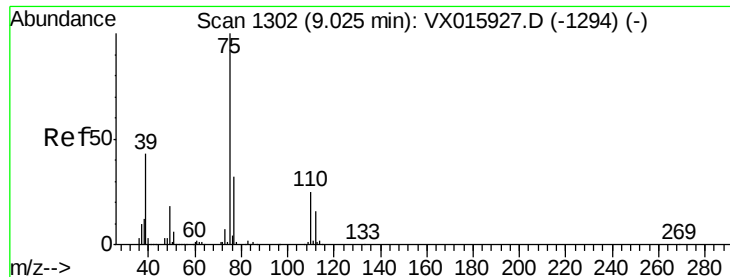
Tot Ion: 43 Resp: 1320957
Ion Ratio Lower Upper
43 100
58 43.0 34.2 51.4



#52
Toluene
Concen: 106.534 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion: 92 Resp: 489482
Ion Ratio Lower Upper
92 100
91 168.4 134.0 201.0





#53

t-1,3-Dichloropropene

Concen: 108.724 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

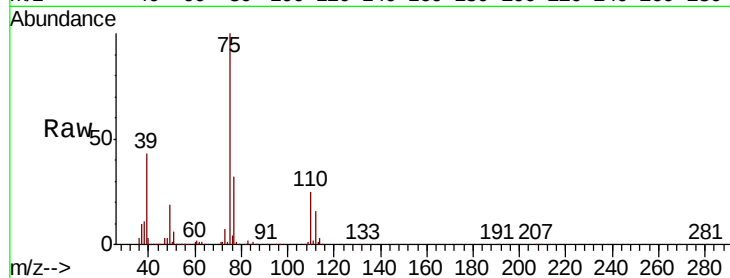
VSTDIC100

Tot Ion: 75 Resp: 326895

Ion Ratio Lower Upper

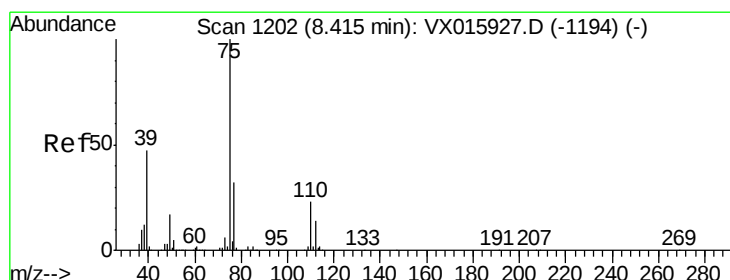
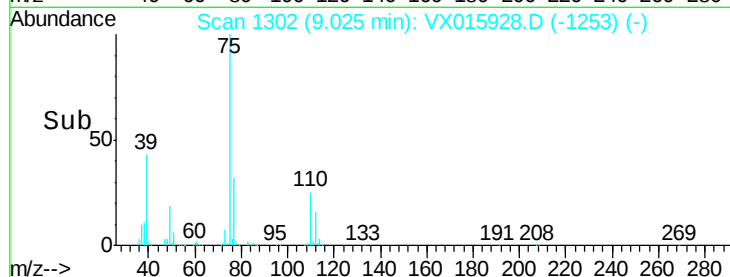
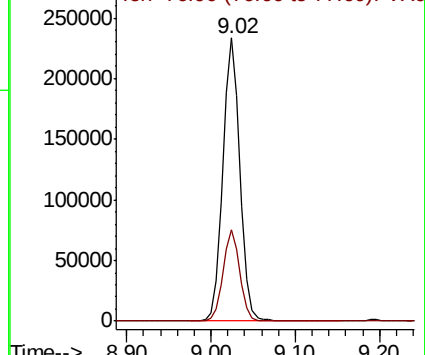
75 100

77 32.3 25.9 38.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 109.138 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

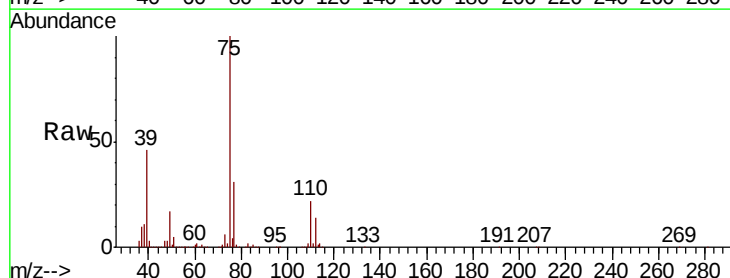
Tgt Ion: 75 Resp: 343010

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8

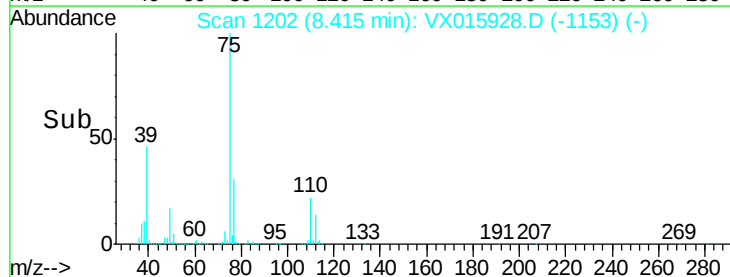
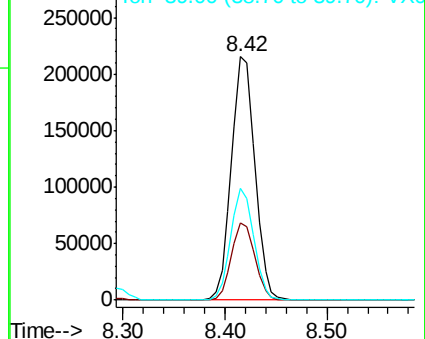
39 45.6 37.2 55.8

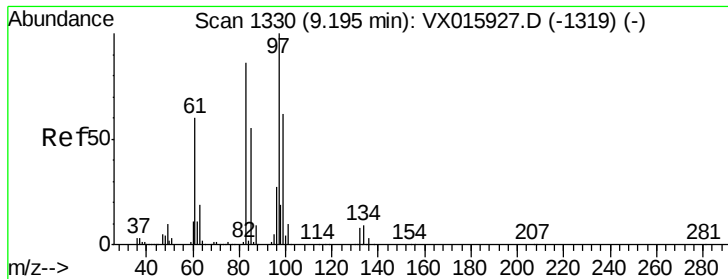


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

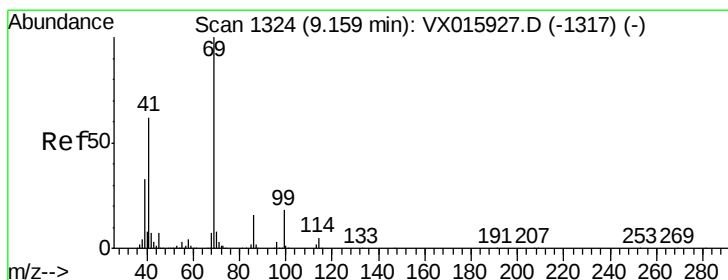
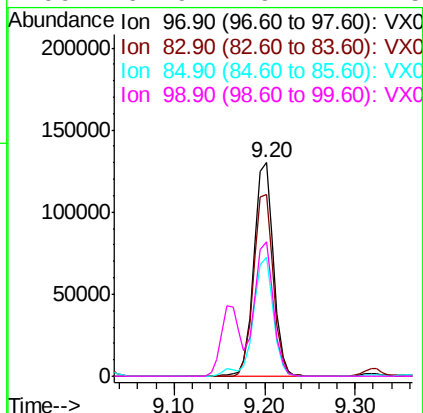
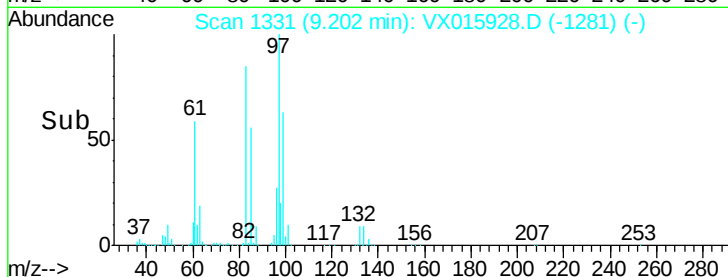
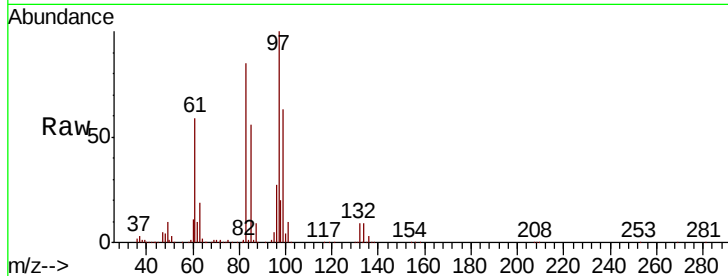




#55
 1,1,2-Trichloroethane
 Concen: 105.468 ug/l
 RT: 9.20 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

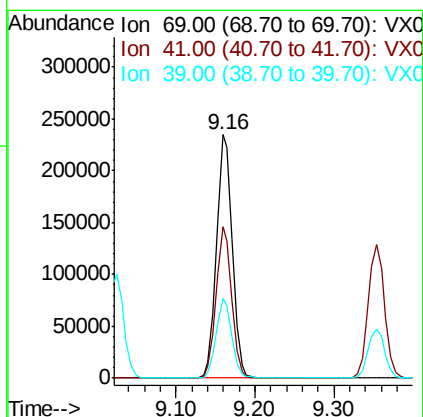
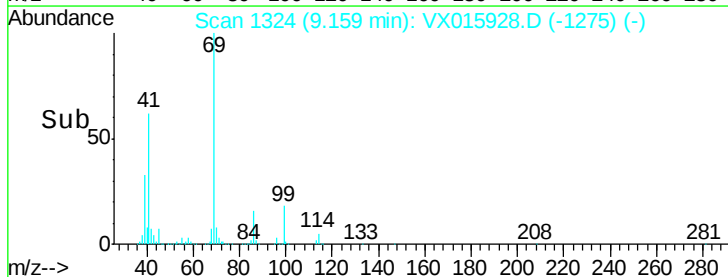
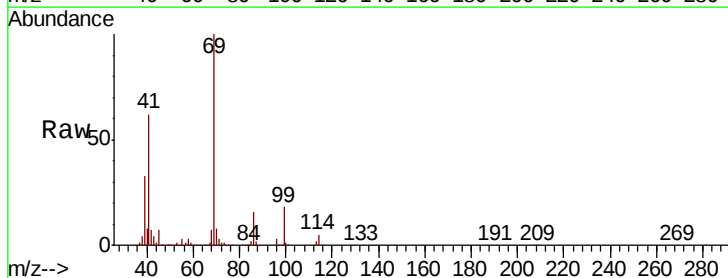
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

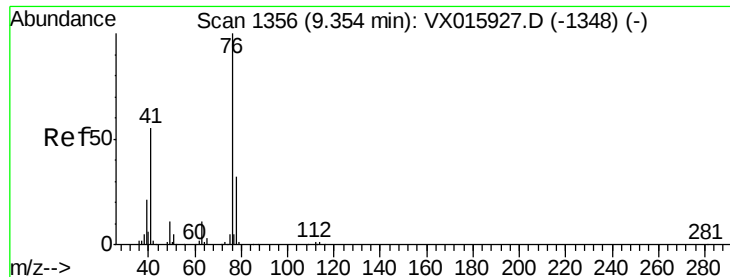
Tot Ion:	97	Resp:	194051
Ion	Ratio	Lower	Upper
97	100		
83	85.4	68.6	103.0
85	55.5	44.0	66.0
99	62.9	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 114.424 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Tgt Ion:	69	Resp:	328135
Ion	Ratio	Lower	Upper
69	100		
41	61.2	49.2	73.8
39	32.1	26.0	39.0





#57

1,3-Dichloropropane

Concen: 108.024 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

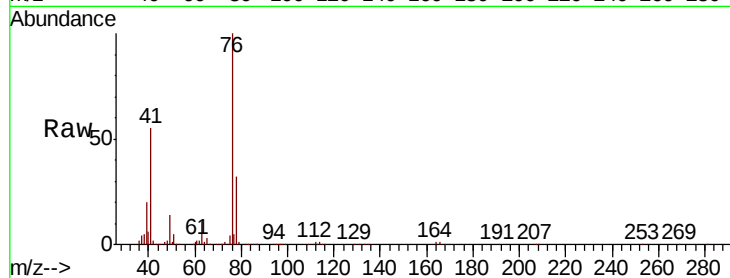
VSTDICC100

Tot Ion: 76 Resp: 337363

Ion Ratio Lower Upper

76 100

78 31.9 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

250000

200000

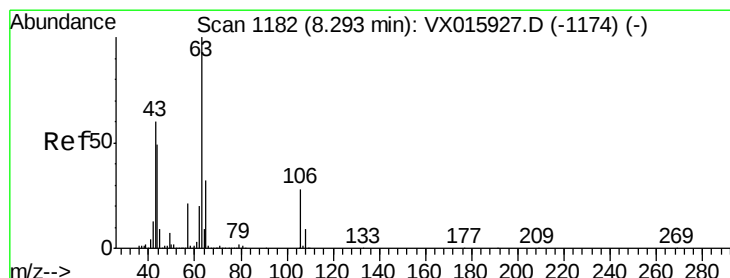
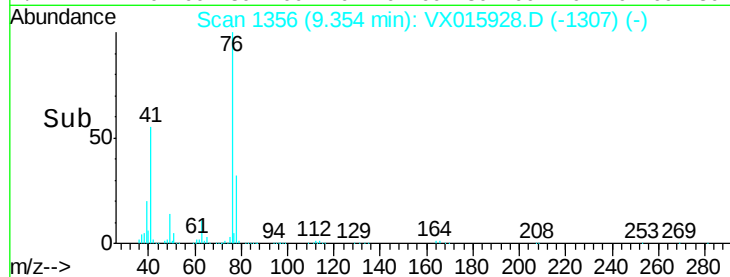
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 566.134 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX015928.D

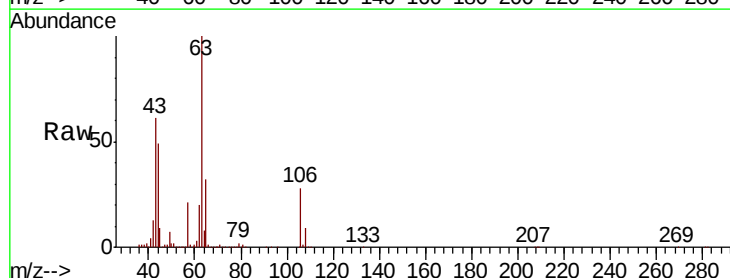
Acq: 24 Apr 2020 12:35

Tgt Ion: 63 Resp: 807189

Ion Ratio Lower Upper

63 100

106 28.2 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

600000

500000

400000

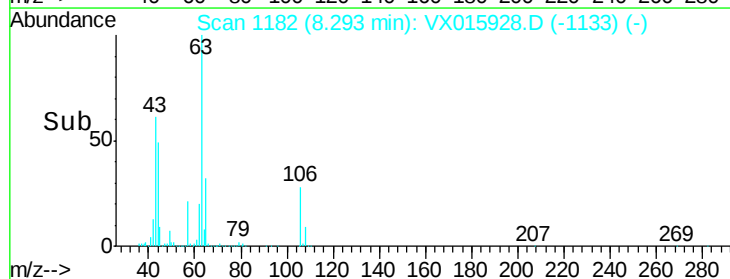
300000

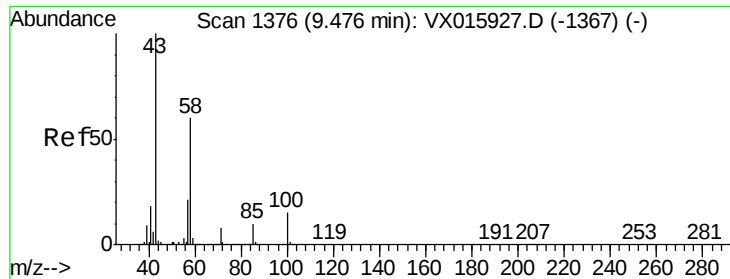
200000

100000

0

Time-->

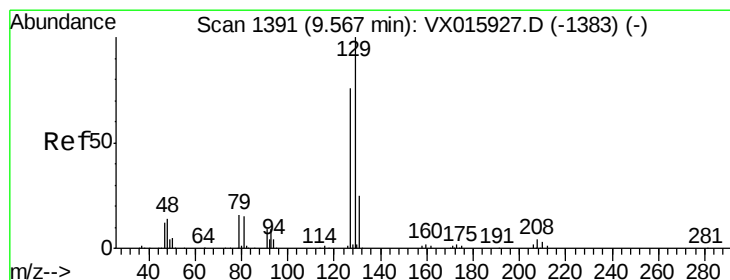
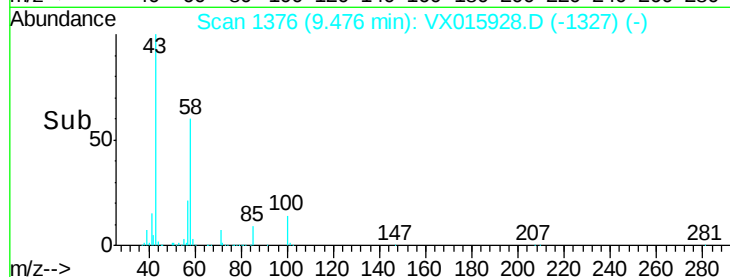
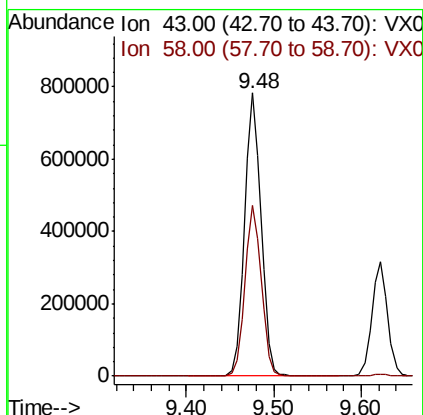
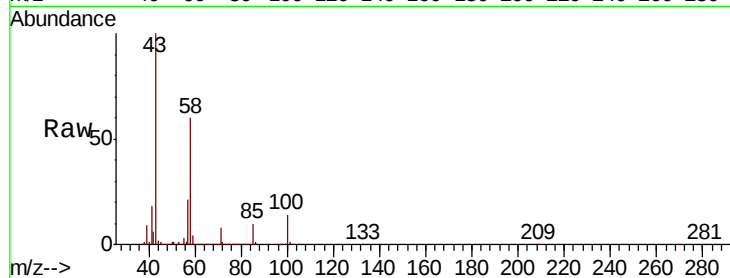




#59
2-Hexanone
Concen: 583.621 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

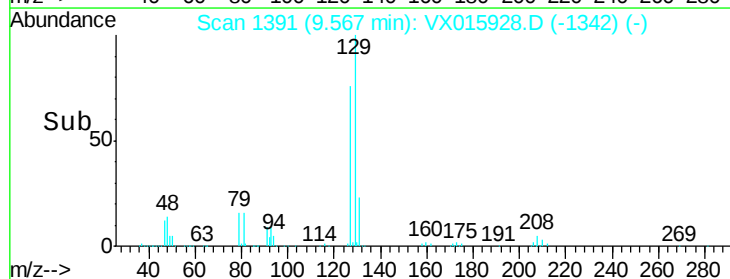
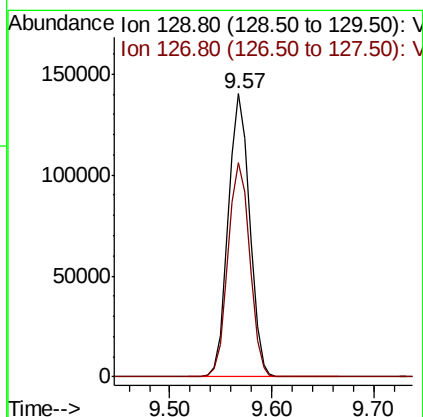
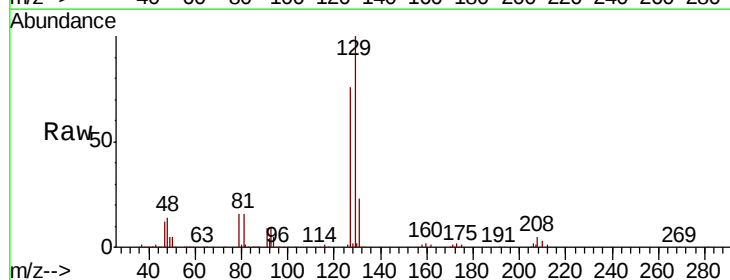
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

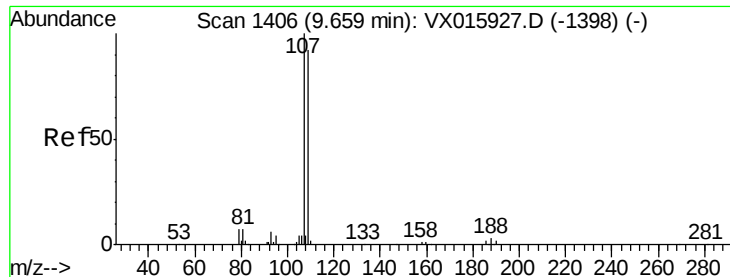
Tot Ion: 43 Resp: 1024087
Ion Ratio Lower Upper
43 100
58 60.0 29.7 89.1



#60
Dibromochloromethane
Concen: 115.491 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion: 129 Resp: 203231
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3





#61

1,2-Dibromoethane

Concen: 107.933 ug/l

RT: 9.66 min Scan# 1406

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

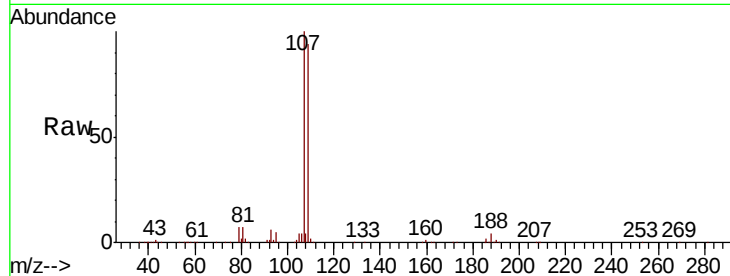
VSTDIC100

Tot Ion:107 Resp: 203470

Ion Ratio Lower Upper

107 100

109 94.0 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

150000

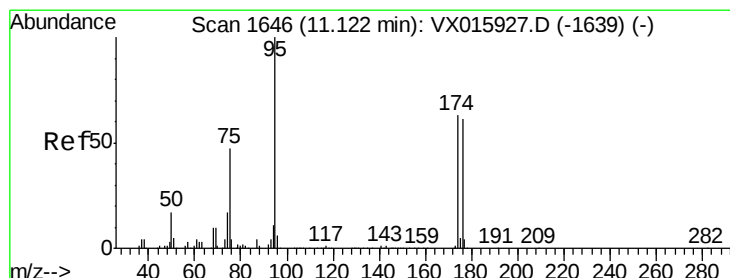
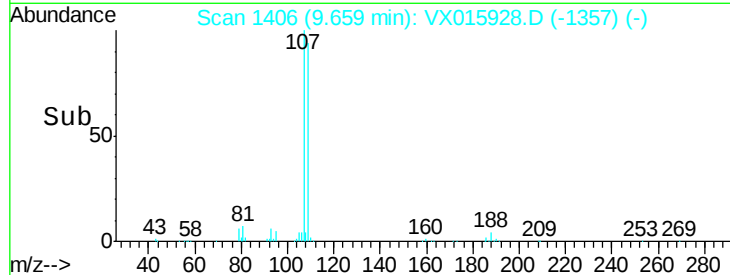
100000

50000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 103.411 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

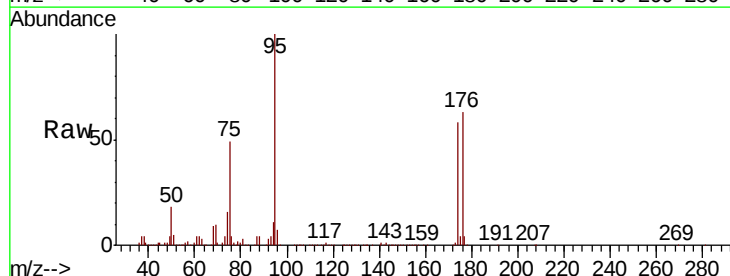
Tgt Ion: 95 Resp: 260826

Ion Ratio Lower Upper

95 100

174 63.6 0.0 133.6

176 63.8 0.0 126.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

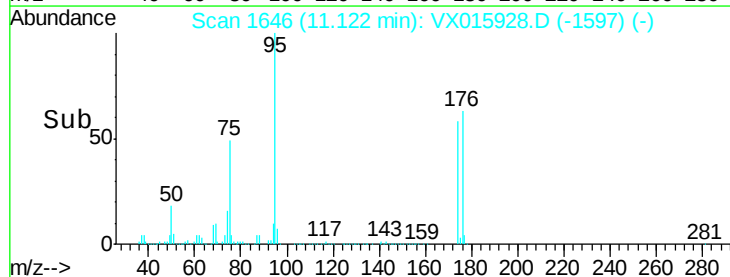
100000

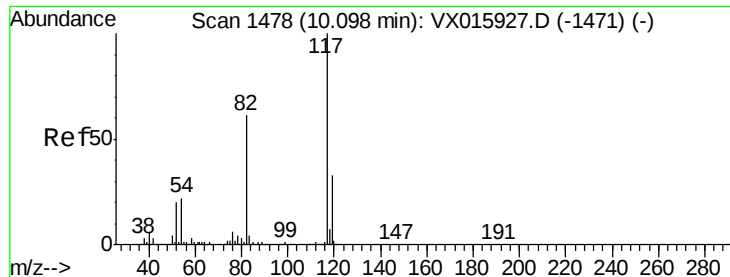
50000

0

11.10 11.20

Time-->

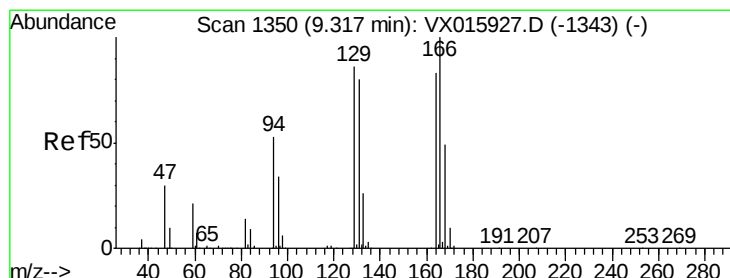
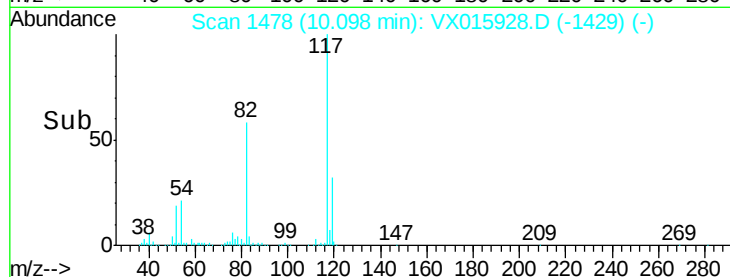
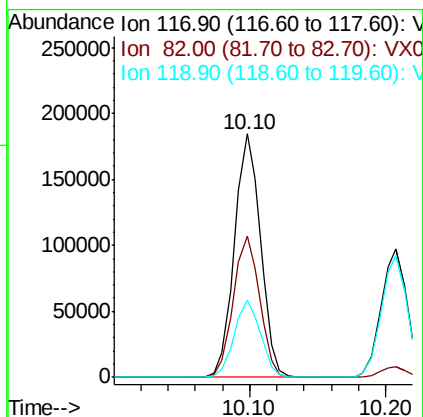
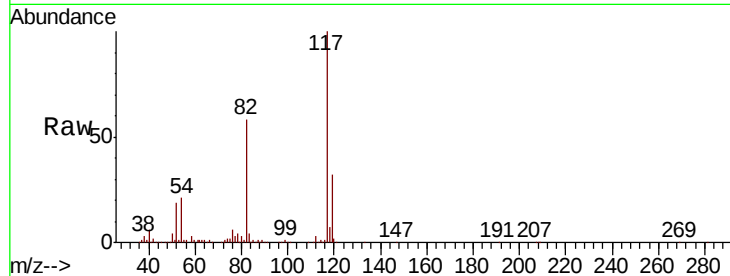




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

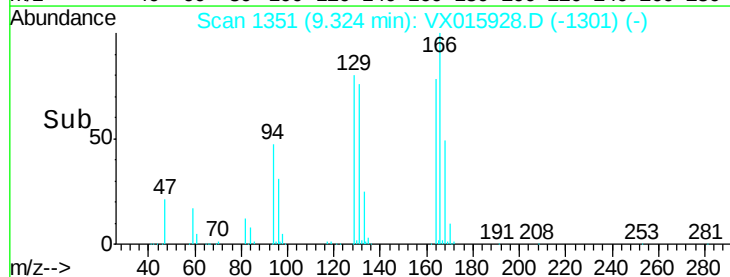
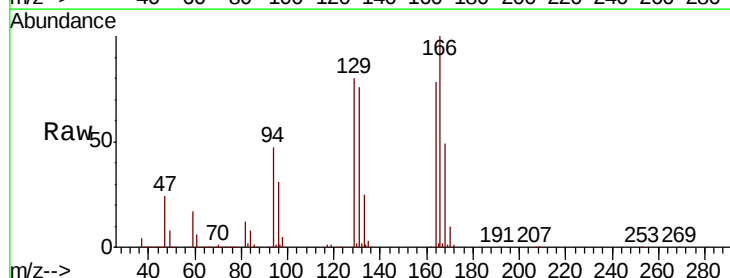
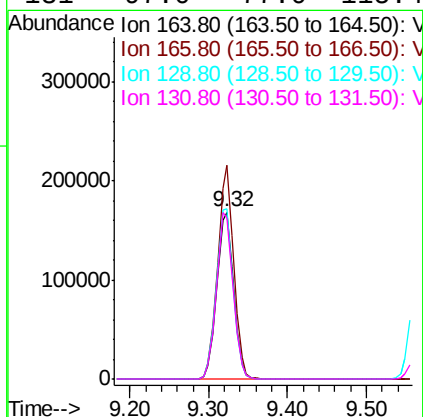
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

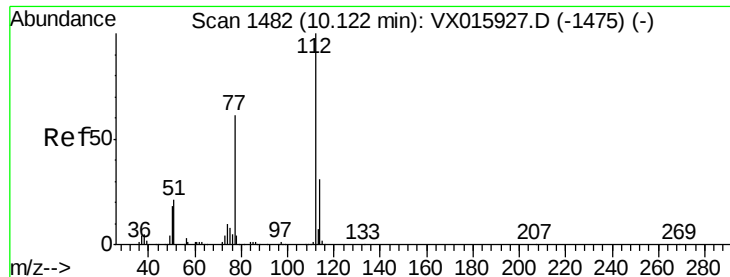
Tot Ion:117 Resp: 247127
Ion Ratio Lower Upper
117 100
82 58.0 48.5 72.7
119 31.7 26.2 39.4



#64
Tetrachloroethene
Concen: 101.902 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion:164 Resp: 250071
Ion Ratio Lower Upper
164 100
166 127.9 96.7 145.1
129 101.9 82.8 124.2
131 97.0 77.0 115.4





#65

Chlorobenzene

Concen: 107.206 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

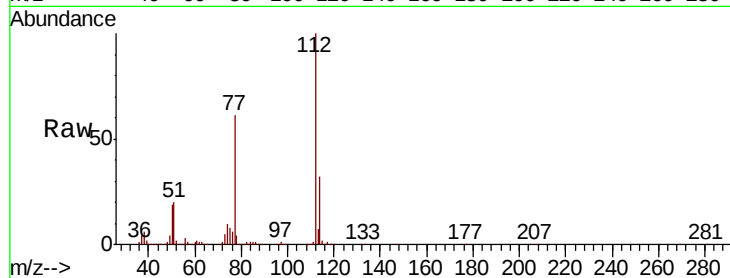
VSTDIC100

Tot Ion:112 Resp: 515535

Ion Ratio Lower Upper

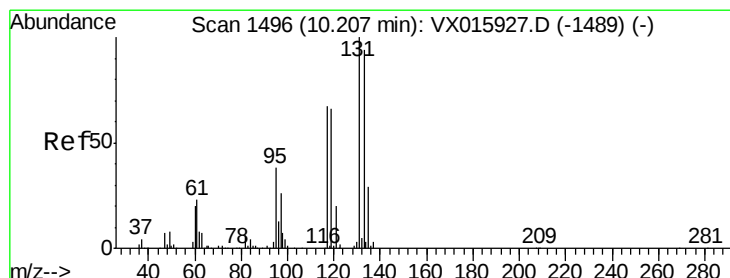
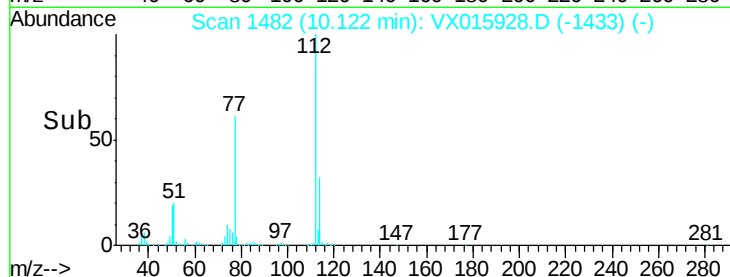
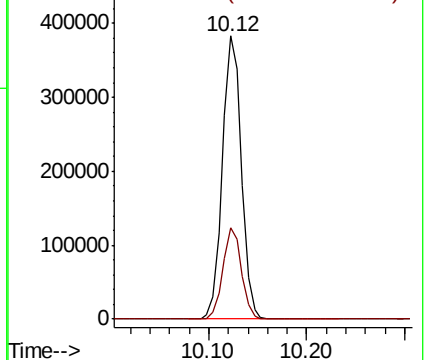
112 100

114 32.3 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 110.031 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

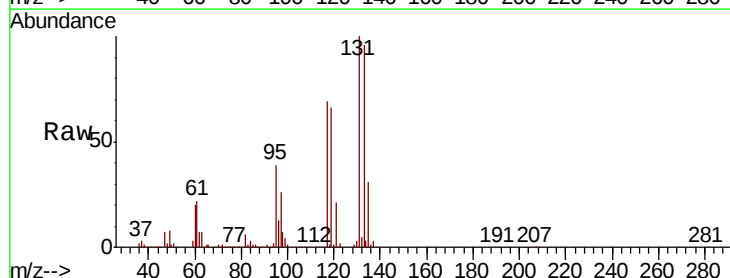
Tgt Ion:131 Resp: 185510

Ion Ratio Lower Upper

131 100

133 95.0 46.7 140.0

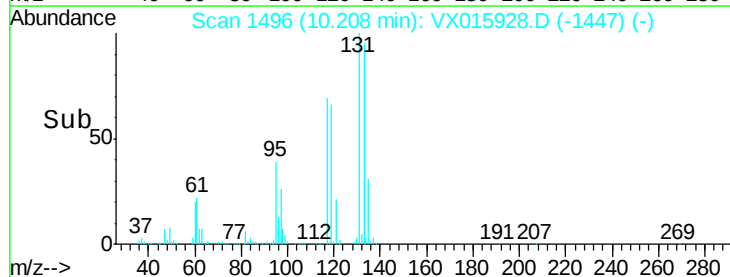
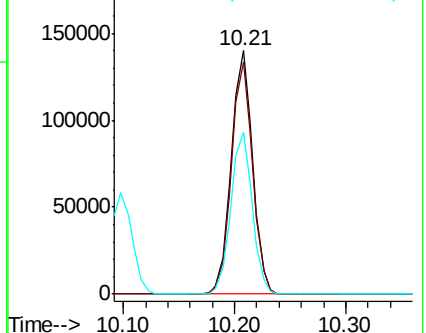
119 66.8 33.7 101.0

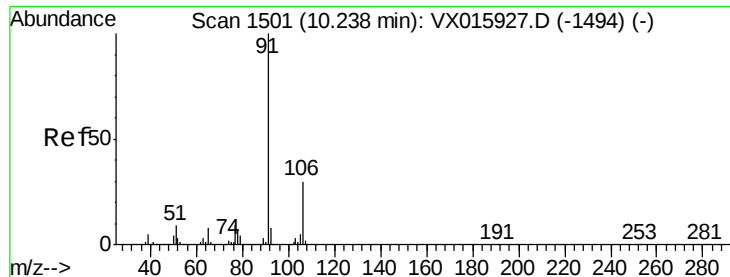


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 106.343 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

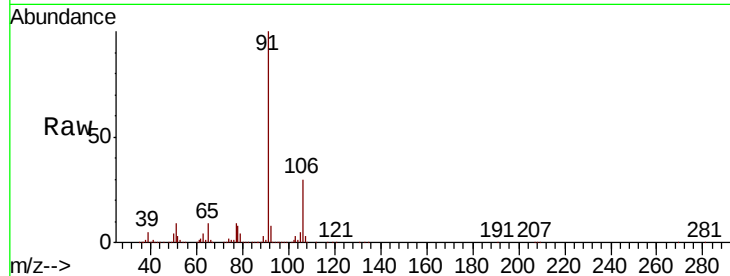
VSTDIC100

Tot Ion: 91 Resp: 946409

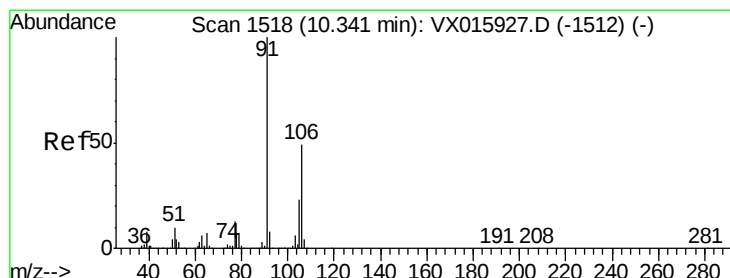
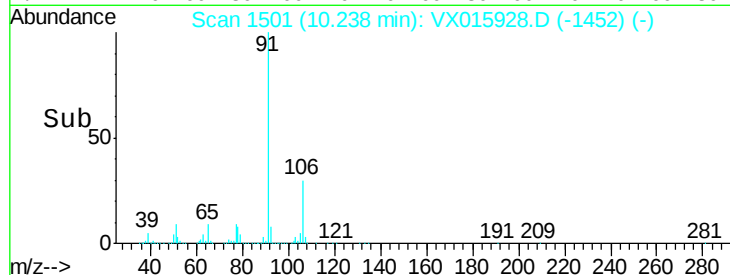
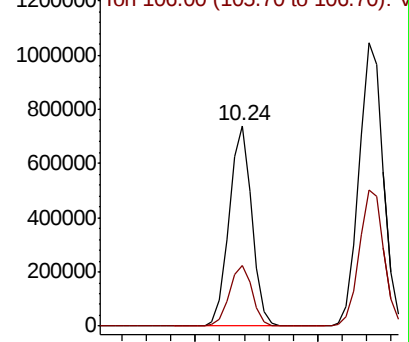
Ion Ratio Lower Upper

91 100

106 30.1 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VX015928.D (-1452) (-)



#68

m/p-Xylenes

Concen: 215.723 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX015928.D

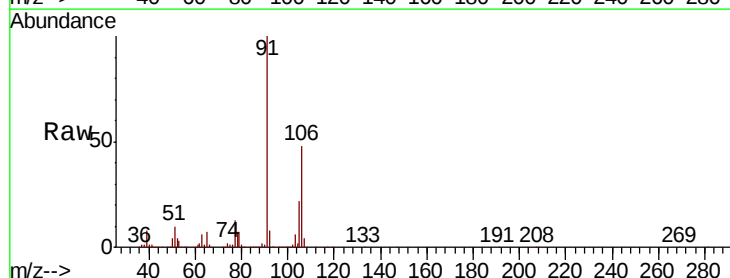
Acq: 24 Apr 2020 12:35

Tgt Ion: 106 Resp: 698658

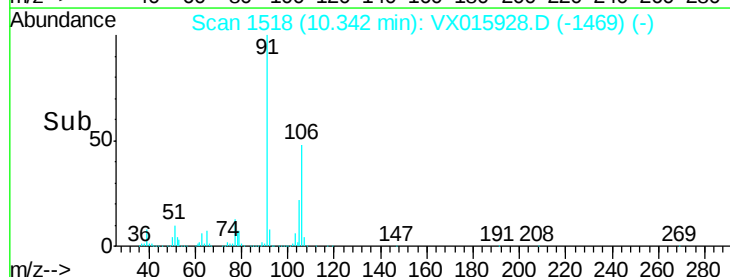
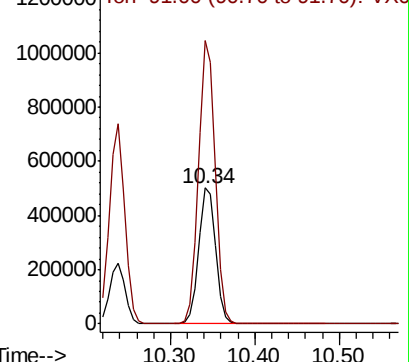
Ion Ratio Lower Upper

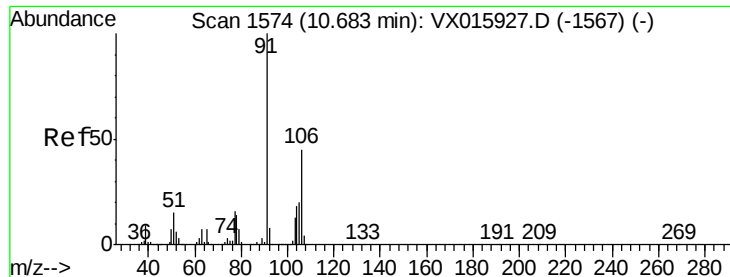
106 100

91 205.8 164.9 247.3



Abundance Ion 106.00 (105.70 to 106.70): VX015928.D (-1469) (-)

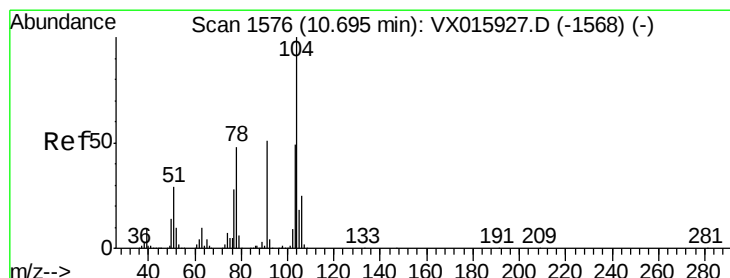
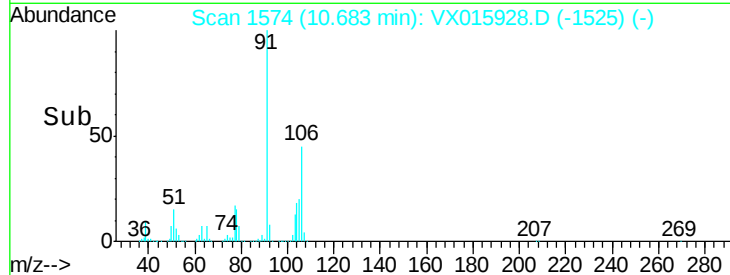
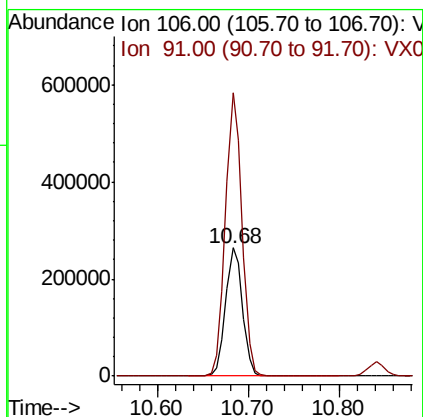
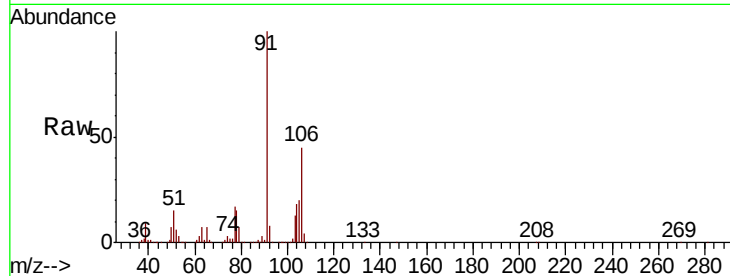




#69
o-Xylene
Concen: 108.407 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

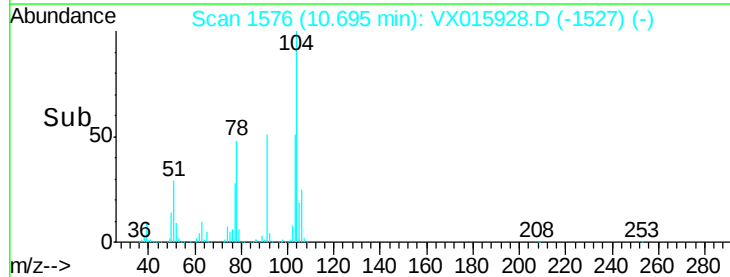
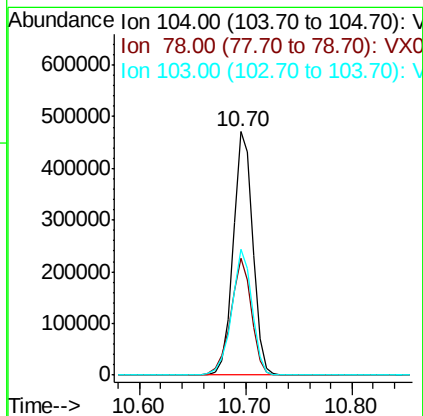
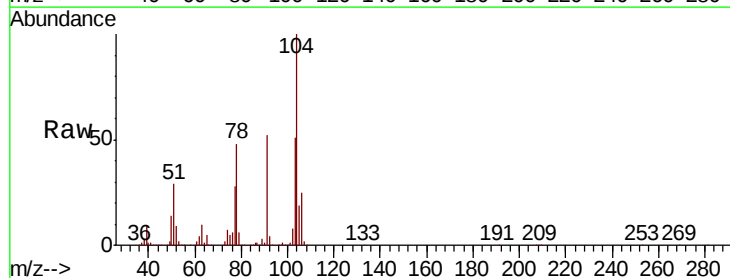
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

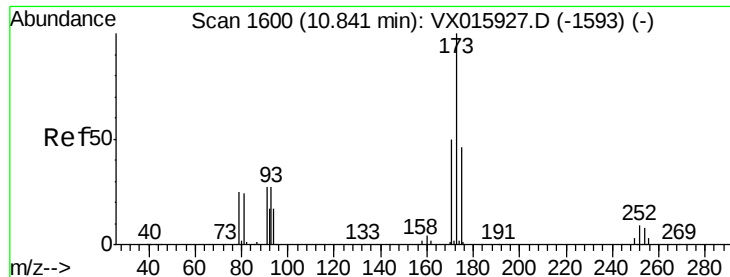
Tot Ion:106 Resp: 342066
Ion Ratio Lower Upper
106 100
91 216.8 108.6 325.8



#70
Styrene
Concen: 114.306 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion:104 Resp: 608124
Ion Ratio Lower Upper
104 100
78 50.8 40.5 60.7
103 53.8 42.7 64.1

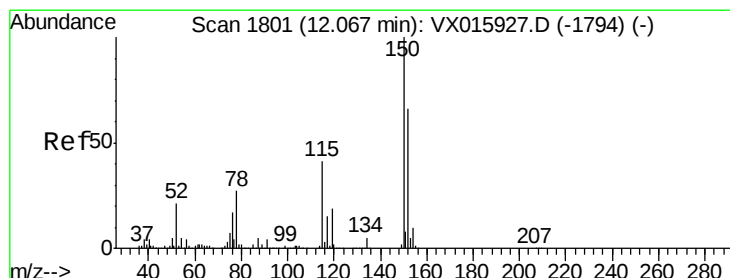
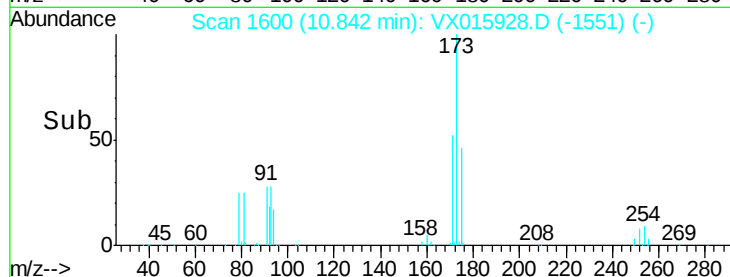
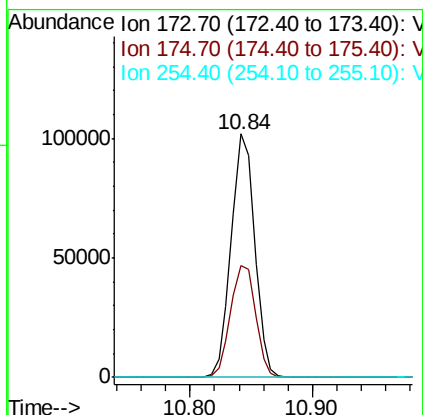
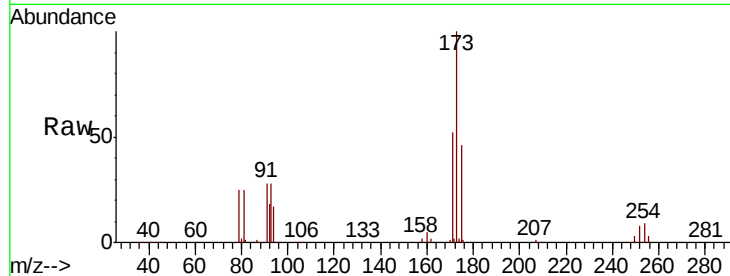




#71
Bromoform
Concen: 126.307 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

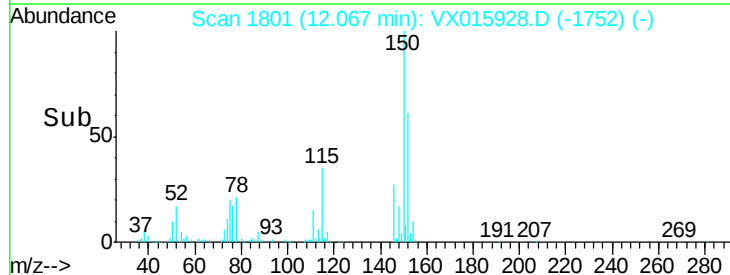
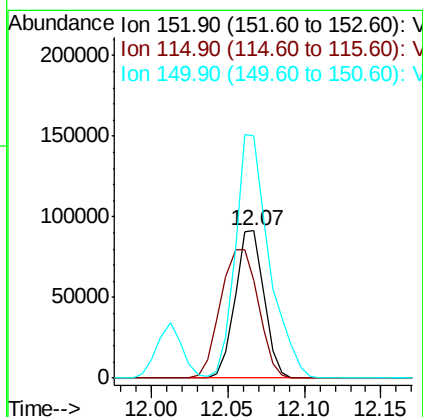
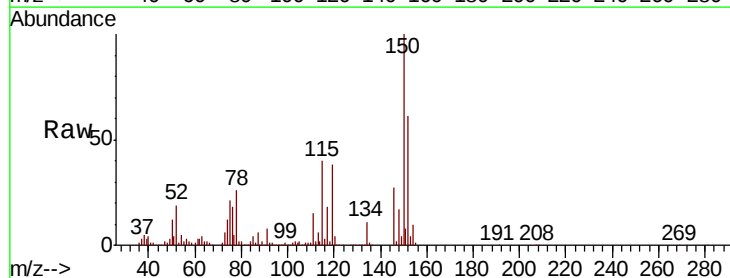
Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

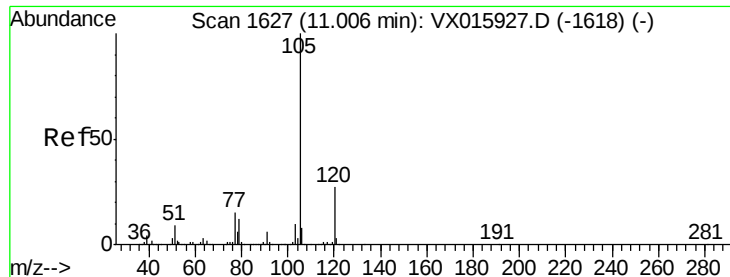
Tot Ion:173 Resp: 135568
Ion Ratio Lower Upper
173 100
175 48.7 23.2 69.5
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VX015928.D
Acq: 24 Apr 2020 12:35

Tgt Ion:152 Resp: 118854
Ion Ratio Lower Upper
152 100
115 115.5 44.1 132.4
150 194.7 0.0 343.6





#73

Isopropylbenzene

Concen: 104.820 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

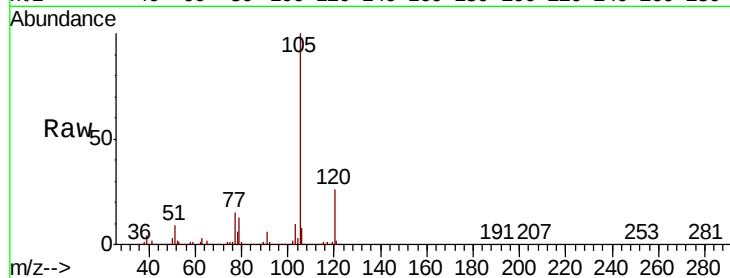
VSTDIC100

Tot Ion:105 Resp: 911639

Ion Ratio Lower Upper

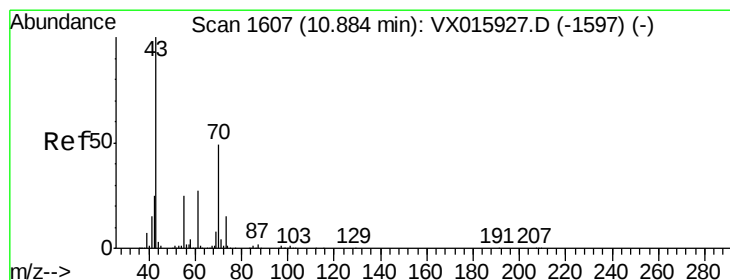
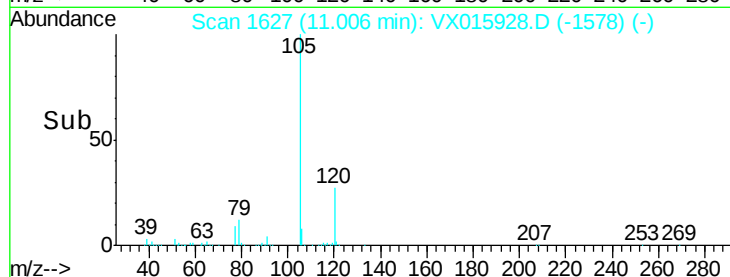
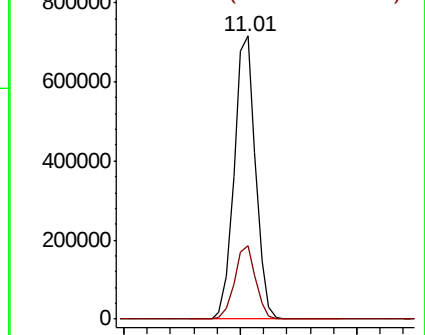
105 100

120 25.6 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 111.936 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Tgt Ion: 43 Resp: 413066

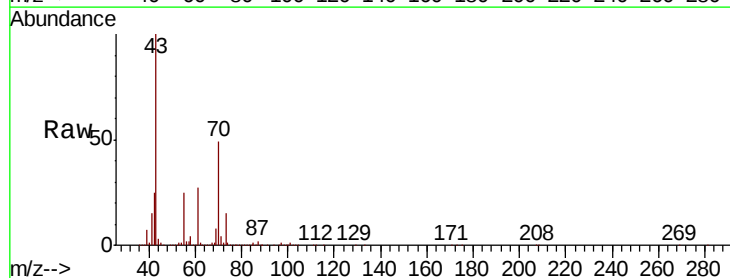
Ion Ratio Lower Upper

43 100

70 47.8 37.8 56.6

55 25.1 20.2 30.2

61 26.9 21.6 32.4

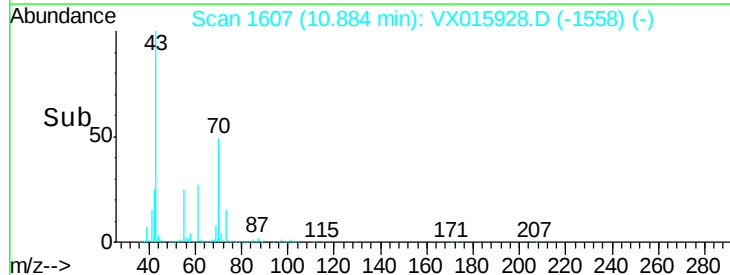
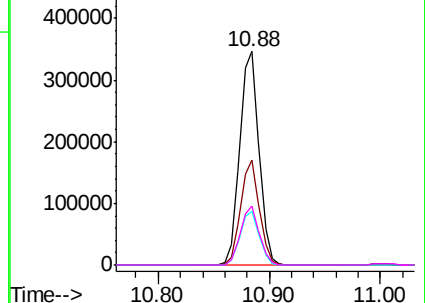


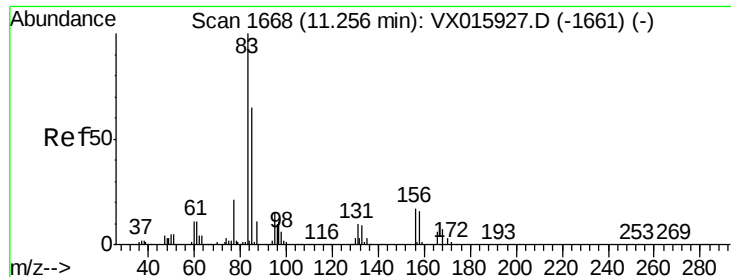
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 114.752 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

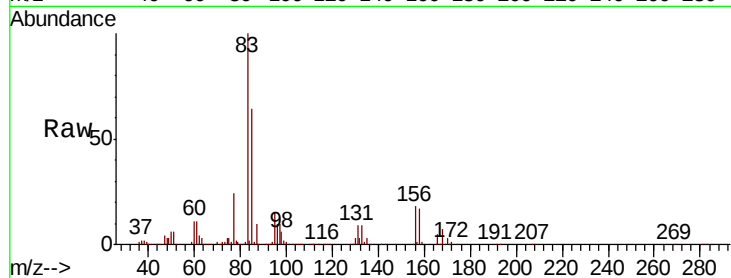
Tot Ion: 83 Resp: 217298

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.6

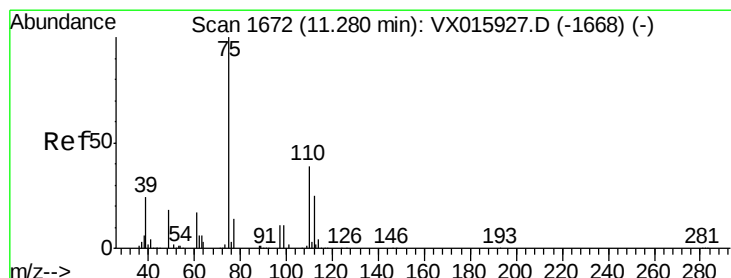
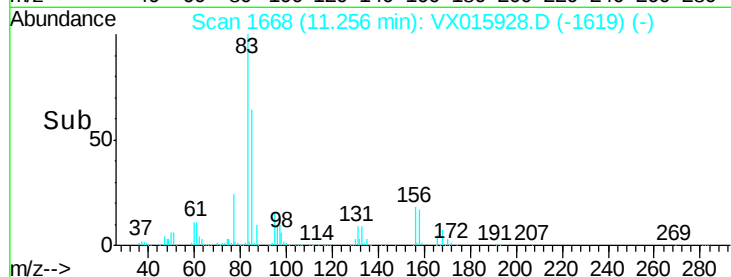
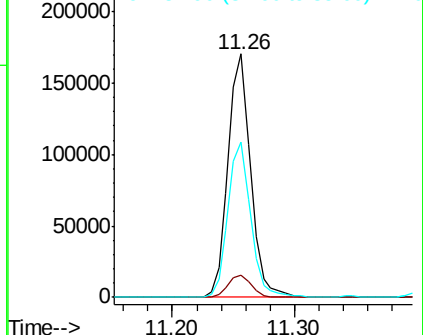
85 64.3 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 122.378 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX015928.D

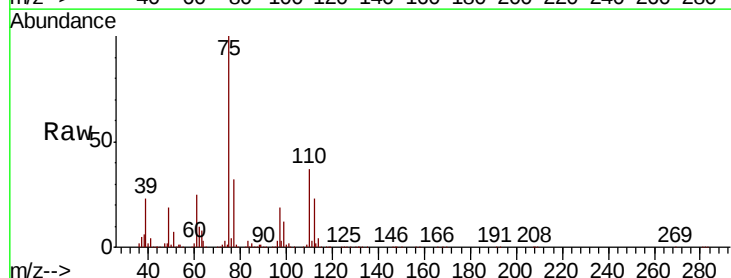
Acq: 24 Apr 2020 12:35

Tgt Ion: 75 Resp: 380321

Ion Ratio Lower Upper

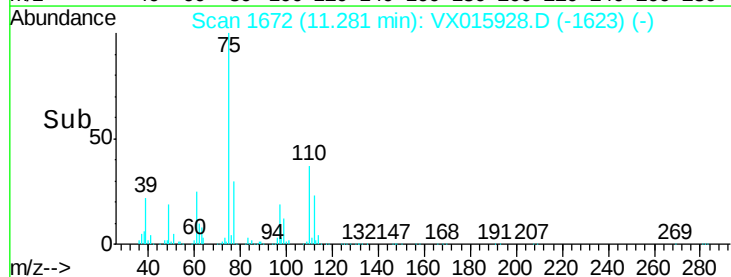
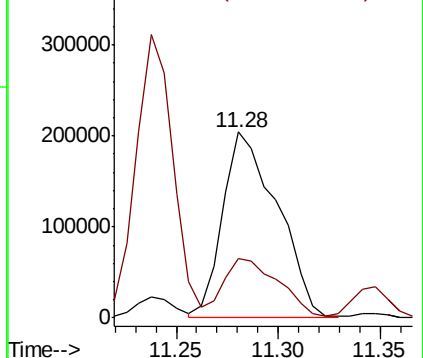
75 100

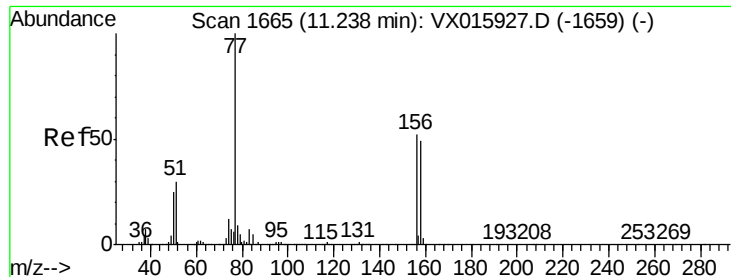
77 32.2 22.1 66.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 107.623 ug/l

RT: 11.24 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

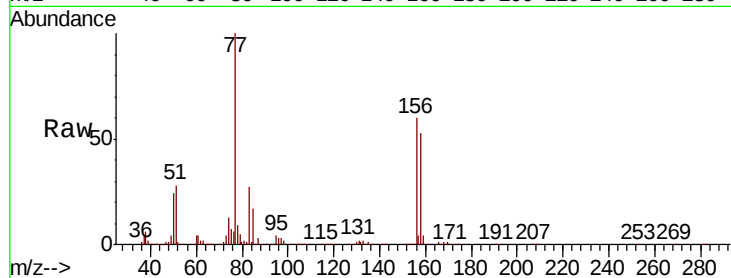
Tot Ion:156 Resp: 210060

Ion Ratio Lower Upper

156 100

77 187.4 94.0 281.9

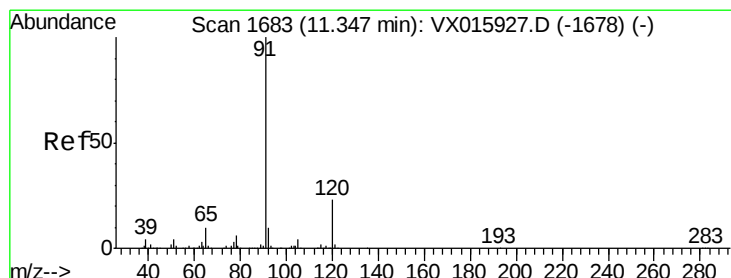
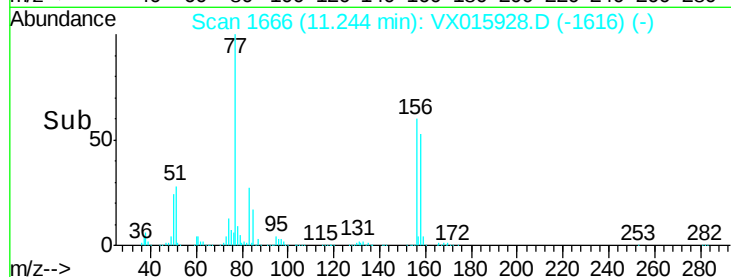
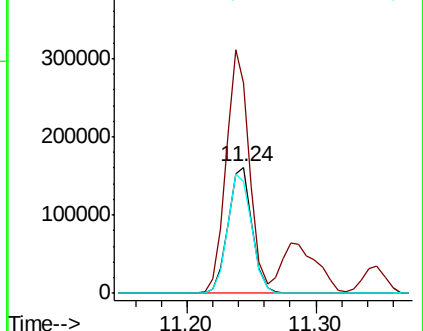
158 95.2 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 105.515 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX015928.D

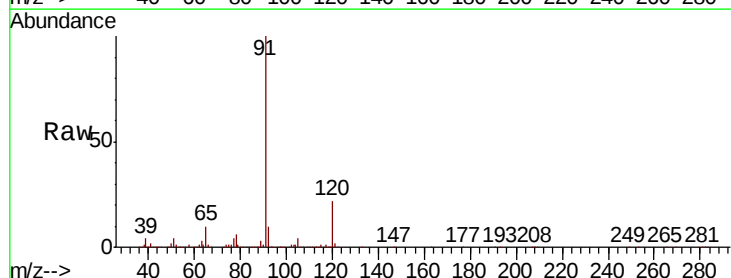
Acq: 24 Apr 2020 12:35

Tgt Ion: 91 Resp: 1079062

Ion Ratio Lower Upper

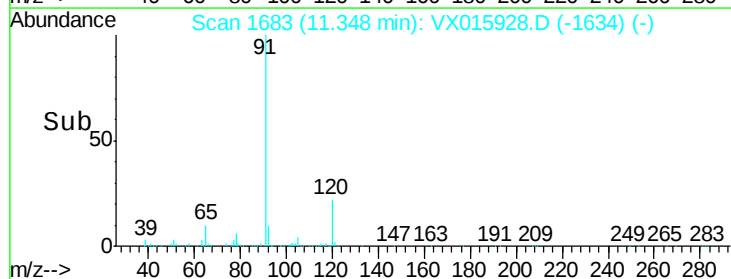
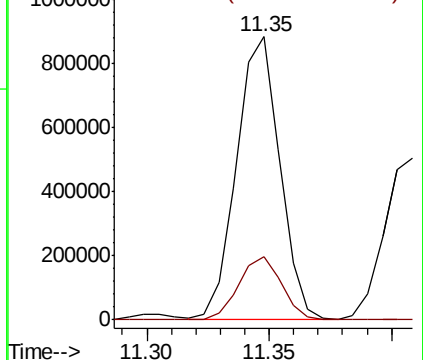
91 100

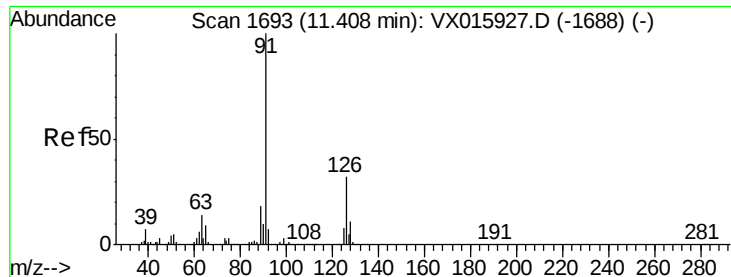
120 22.3 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 107.660 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

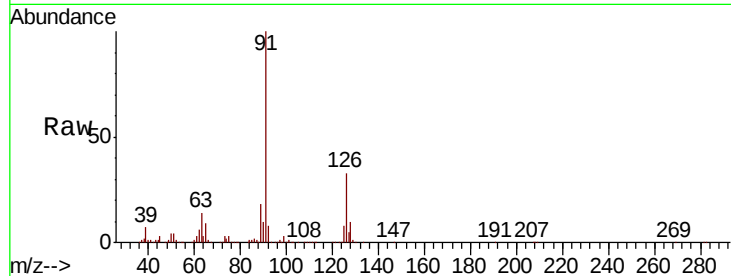
VSTDIC100

Tot Ion: 91 Resp: 641811

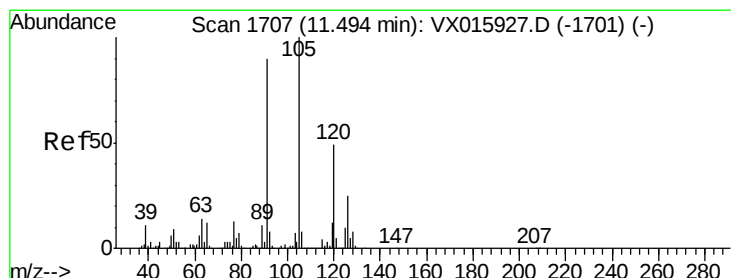
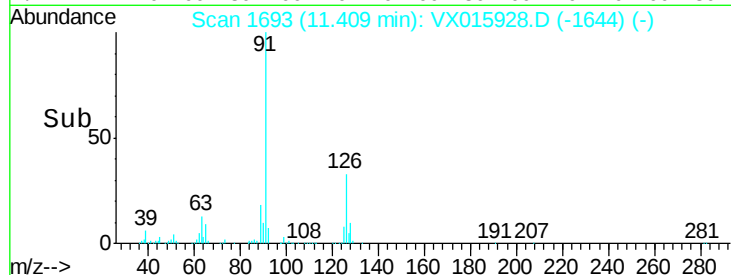
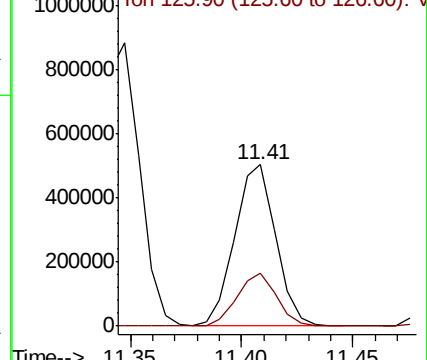
Ion Ratio Lower Upper

91 100

126 32.1 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VX015927.D (-1688) (-)



#80

1,3,5-Trimethylbenzene

Concen: 107.962 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015928.D

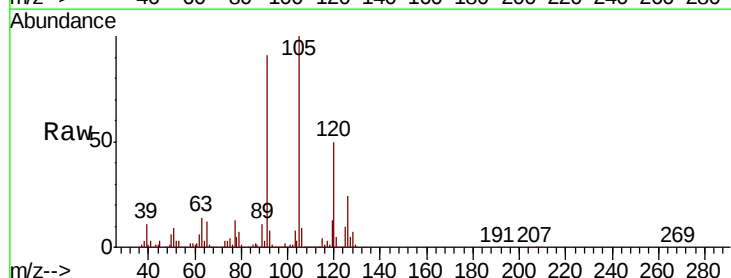
Acq: 24 Apr 2020 12:35

Tgt Ion:105 Resp: 786574

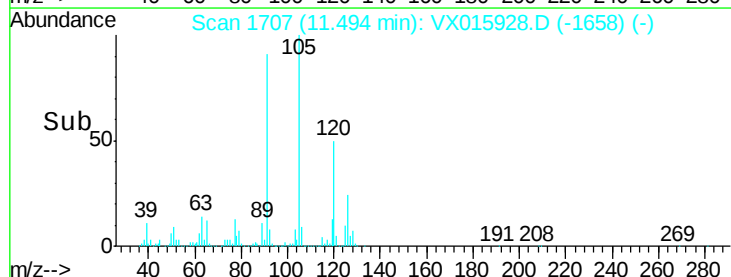
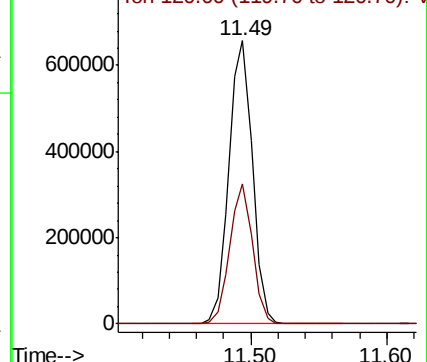
Ion Ratio Lower Upper

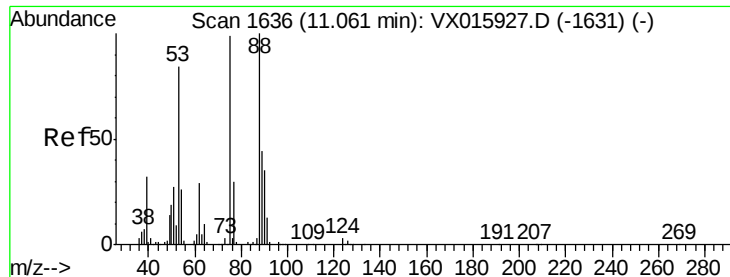
105 100

120 47.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX015927.D (-1701) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 119.455 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

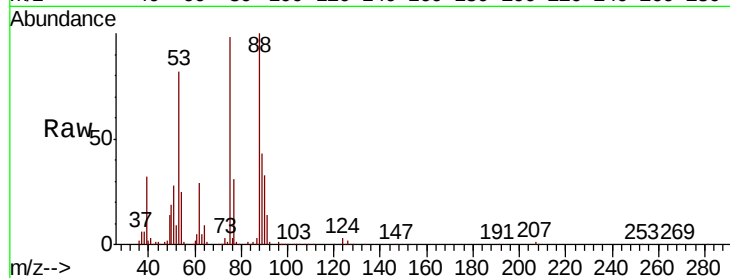
Tot Ion: 75 Resp: 121049

Ion Ratio Lower Upper

75 100

53 86.6 69.7 104.5

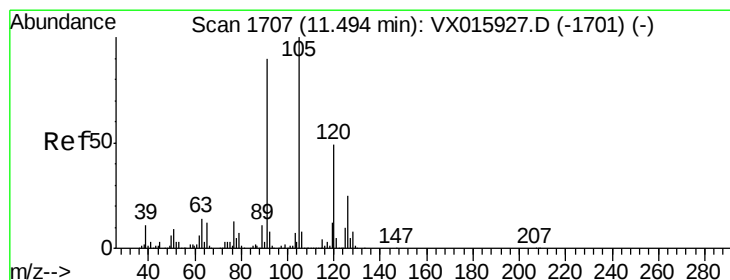
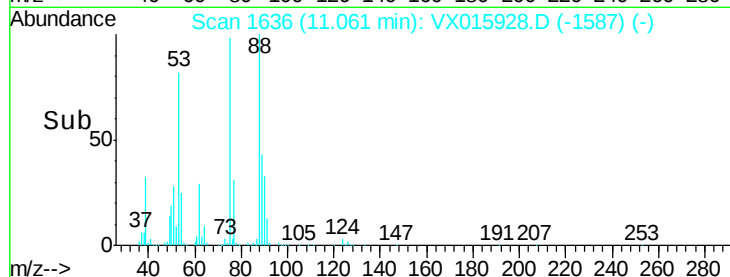
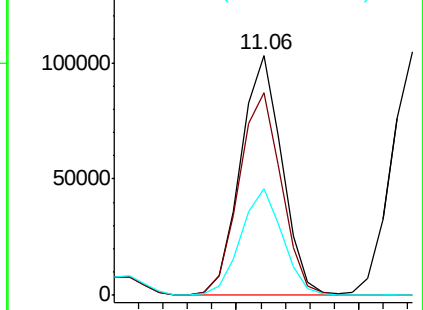
89 44.8 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 108.114 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015928.D

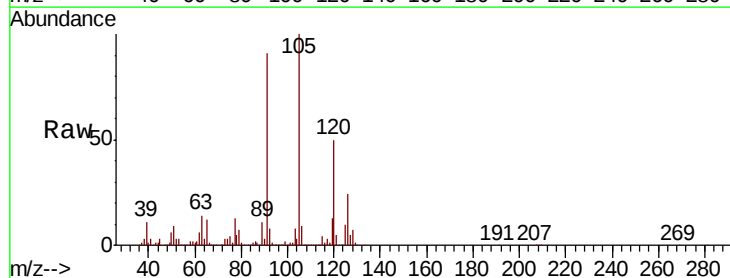
Acq: 24 Apr 2020 12:35

Tgt Ion: 91 Resp: 769892

Ion Ratio Lower Upper

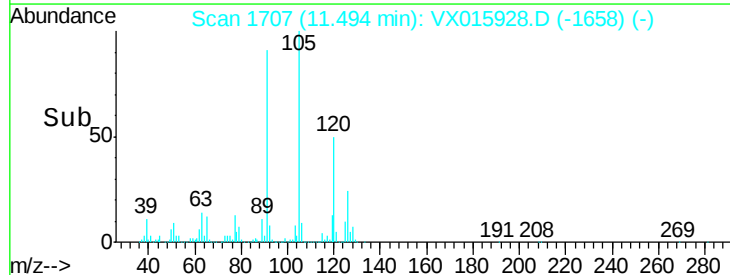
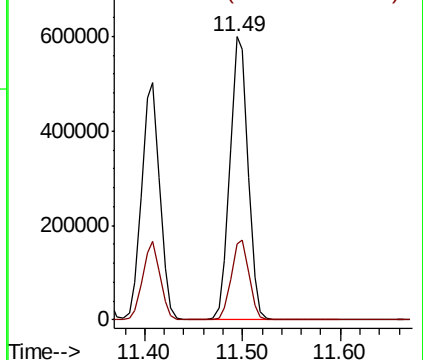
91 100

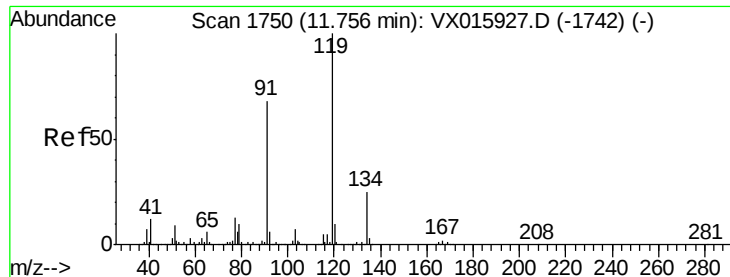
126 27.8 14.2 42.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 107.815 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

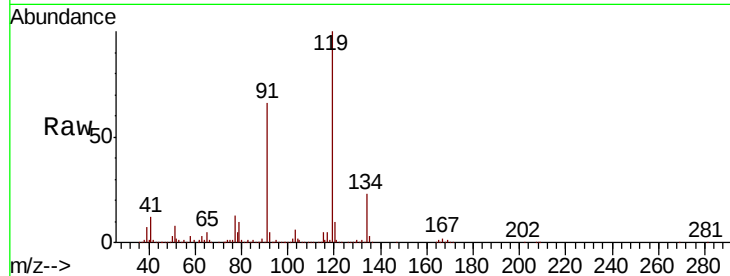
Tot Ion:119 Resp: 664334

Ion Ratio Lower Upper

119 100

91 67.4 34.3 102.8

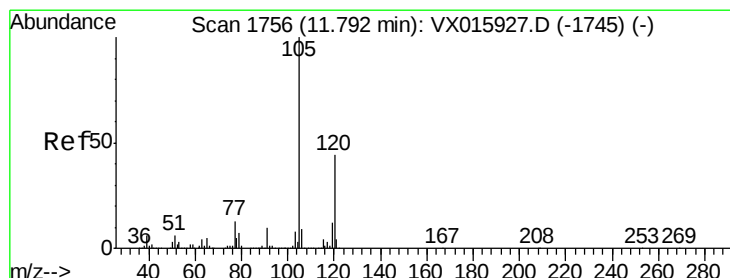
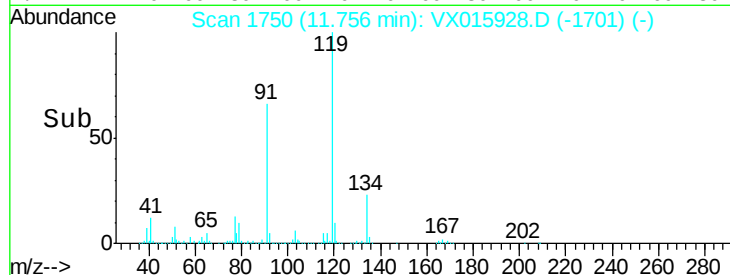
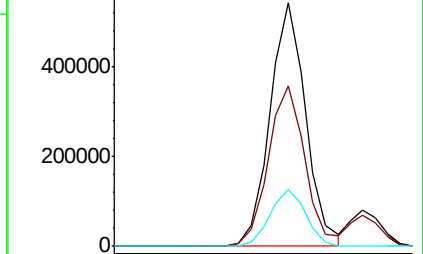
134 23.4 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 107.734 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX015928.D

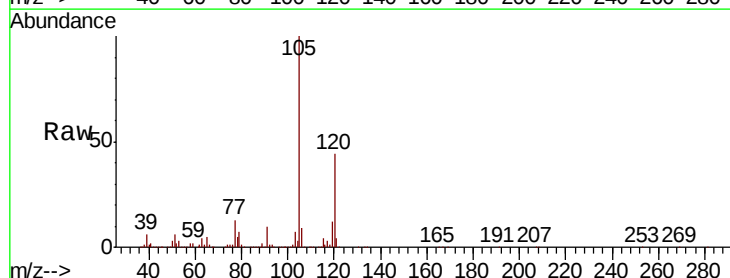
Acq: 24 Apr 2020 12:35

Tgt Ion:105 Resp: 805612

Ion Ratio Lower Upper

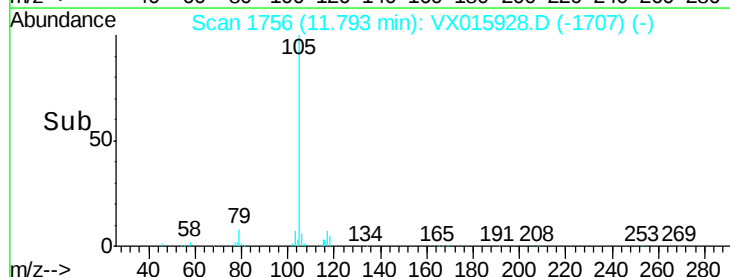
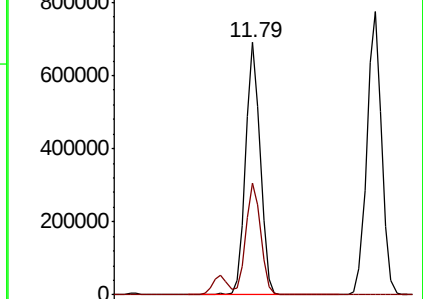
105 100

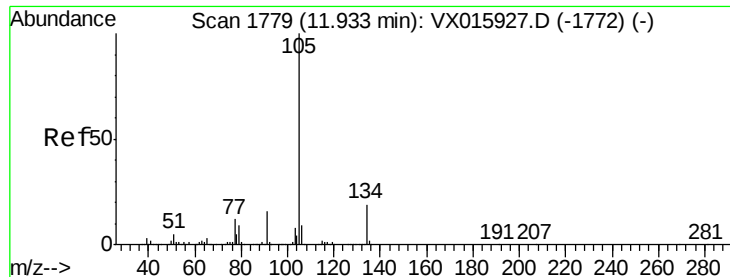
120 44.7 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 109.789 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

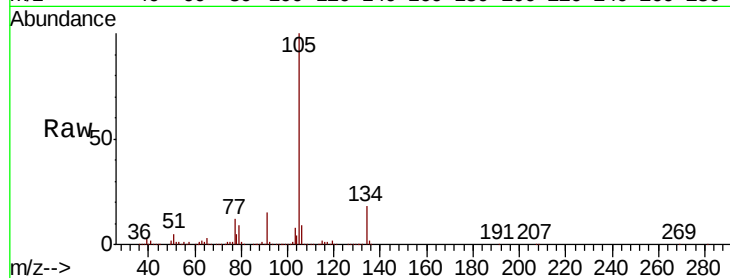
VSTDIC100

Tot Ion:105 Resp: 918572

Ion Ratio Lower Upper

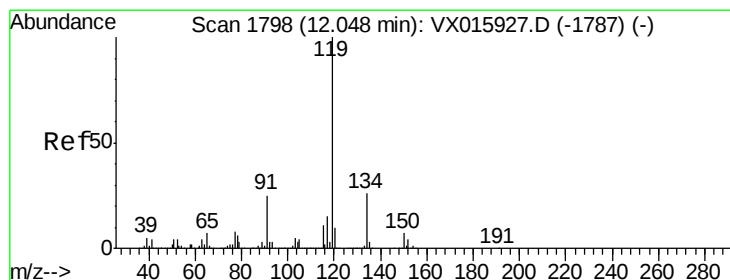
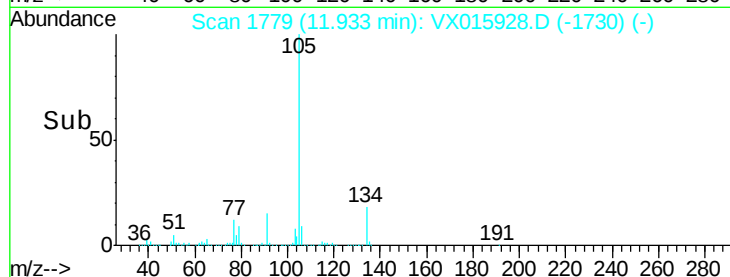
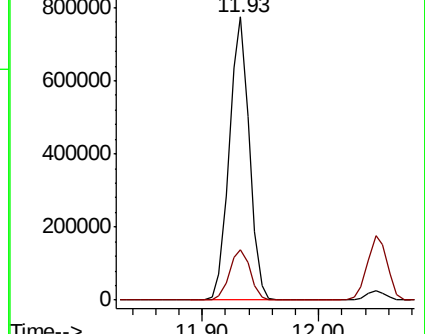
105 100

134 18.8 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 109.021 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

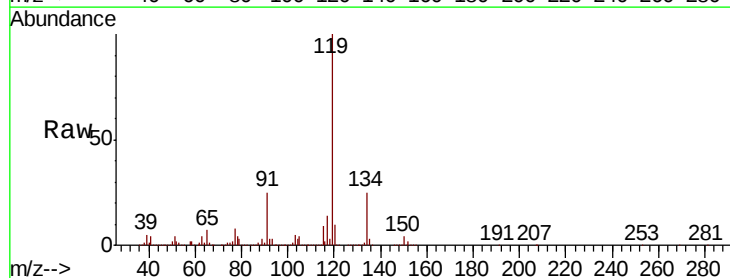
Tgt Ion:119 Resp: 831315

Ion Ratio Lower Upper

119 100

134 25.3 12.6 37.8

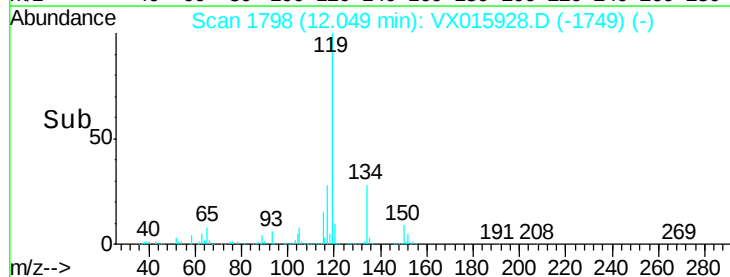
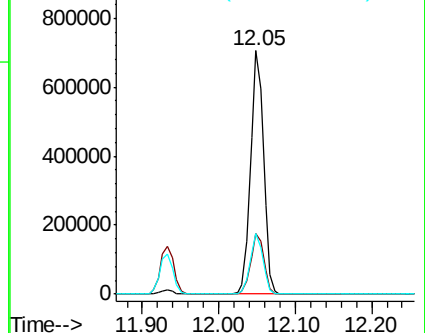
91 24.3 12.2 36.6

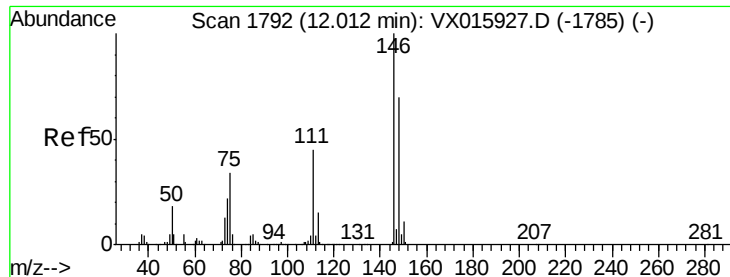


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 106.973 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

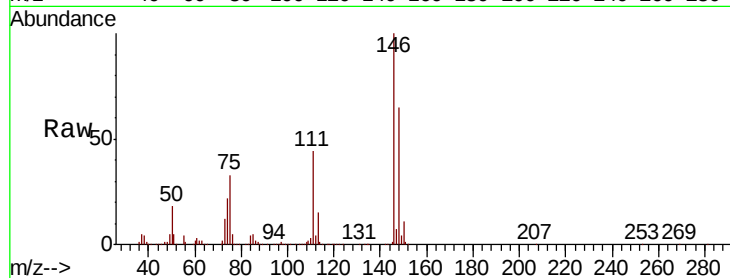
Tot Ion:146 Resp: 384161

Ion Ratio Lower Upper

146 100

111 44.4 22.2 66.6

148 64.5 32.8 98.4

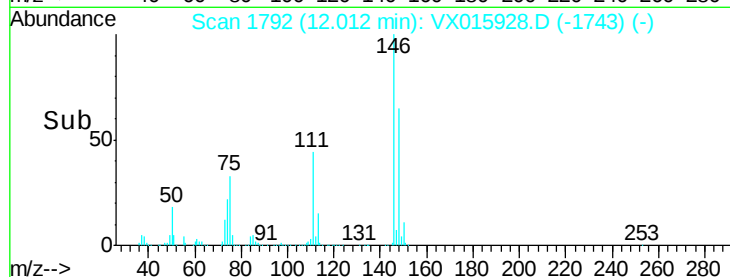


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

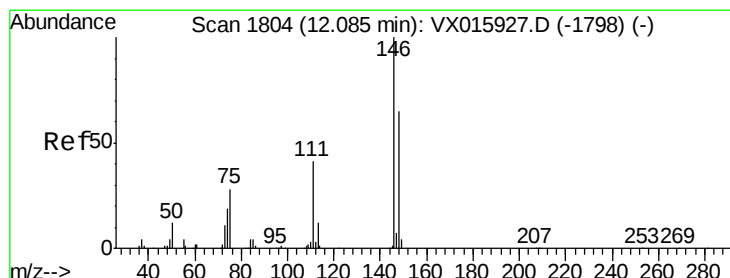
Ion 147.90 (147.60 to 148.60): V

Time-->



12.01

Time-->



#88

1,4-Dichlorobenzene

Concen: 107.504 ug/l

RT: 12.09 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

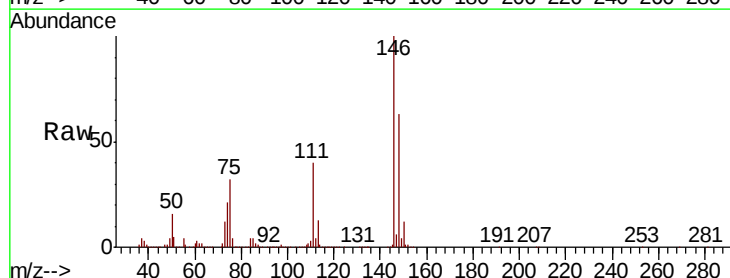
Tgt Ion:146 Resp: 391806

Ion Ratio Lower Upper

146 100

111 42.6 21.6 64.6

148 64.6 32.3 96.8

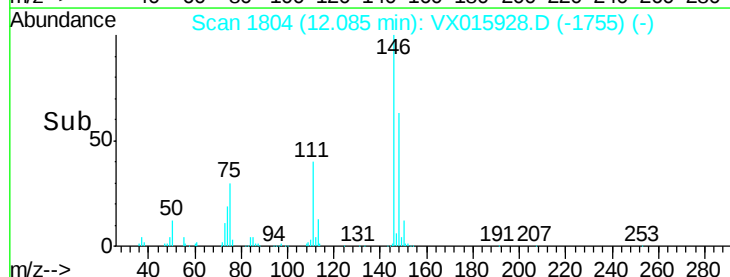


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

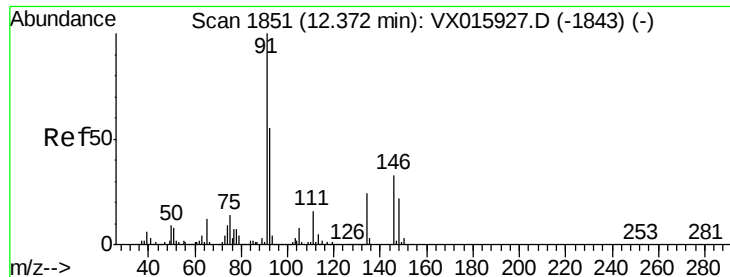
Ion 147.90 (147.60 to 148.60): V

Time-->



12.09

Time-->



#89

n-Butylbenzene

Concen: 110.896 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

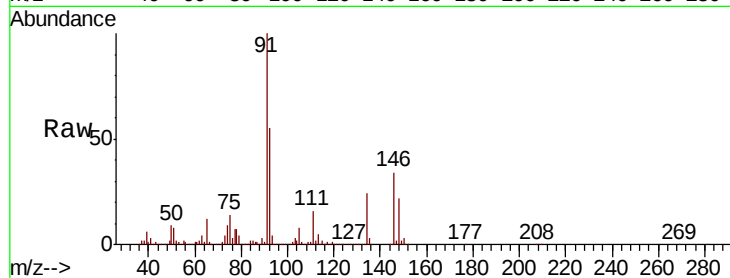
Tot Ion: 91 Resp: 792368

Ion Ratio Lower Upper

91 100

92 55.1 27.3 81.9

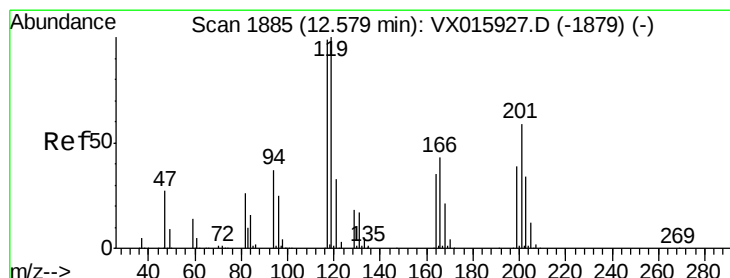
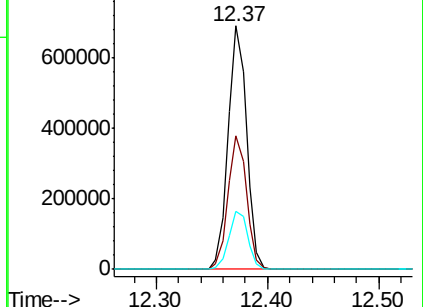
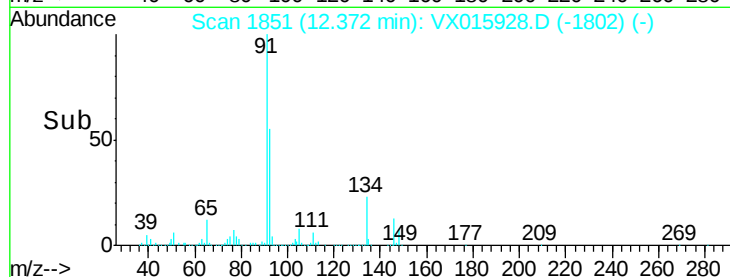
134 24.6 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VX015928.D (-1843) (-)

Ion 92.00 (91.70 to 92.70): VX015928.D (-1843) (-)

Ion 134.00 (133.70 to 134.70): VX015928.D (-1843) (-)



#90

Hexachloroethane

Concen: 121.931 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX015928.D

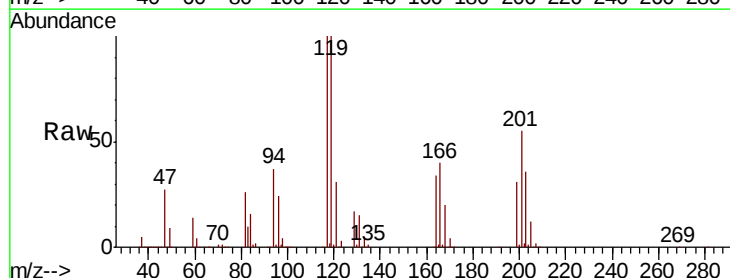
Acq: 24 Apr 2020 12:35

Tgt Ion: 117 Resp: 138097

Ion Ratio Lower Upper

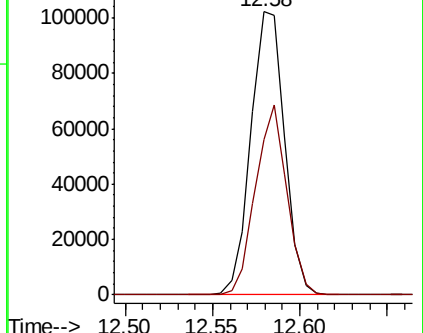
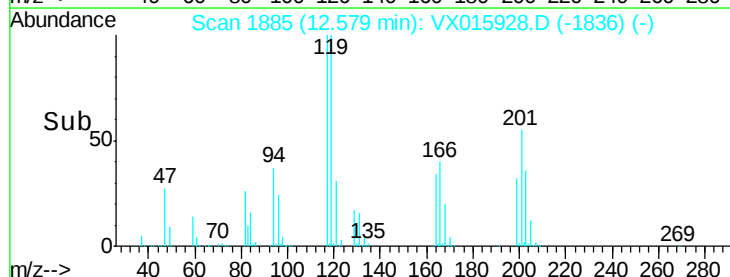
117 100

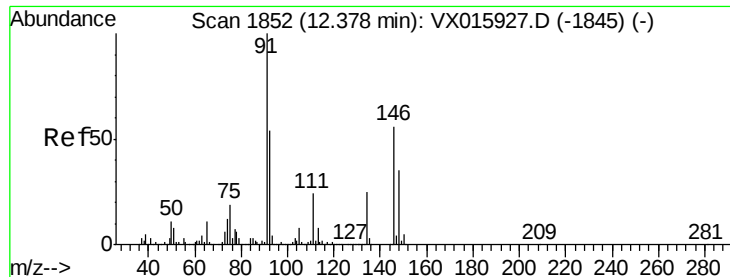
201 62.4 32.1 96.3



Abundance Ion 116.80 (116.50 to 117.50): VX015928.D (-1836) (-)

Ion 200.70 (200.40 to 201.40): VX015928.D (-1836) (-)





#91

1,2-Dichlorobenzene

Concen: 105.966 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

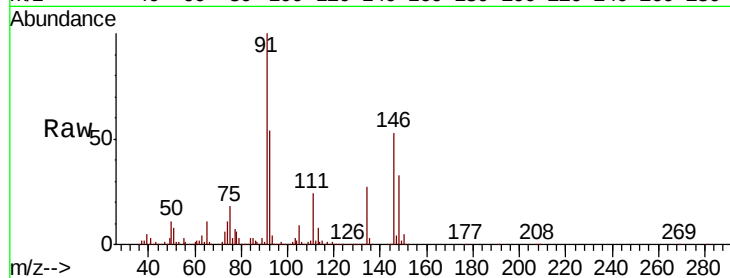
Tot Ion:146 Resp: 371309

Ion Ratio Lower Upper

146 100

111 45.2 22.3 66.8

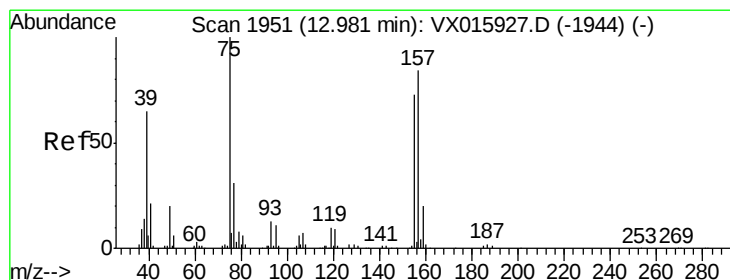
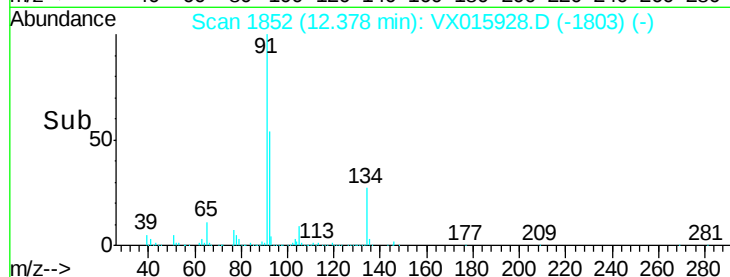
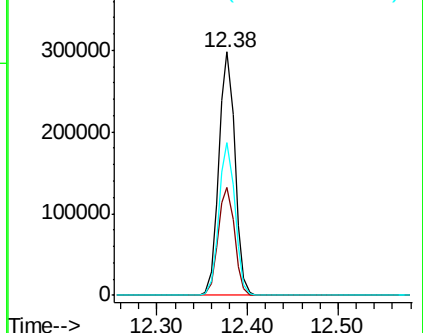
148 62.8 31.4 94.2



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: 110.199 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

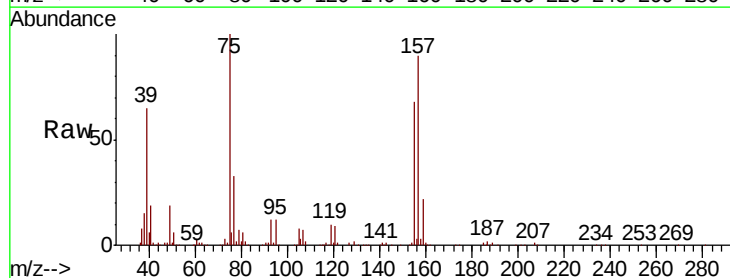
Tgt Ion: 75 Resp: 67315

Ion Ratio Lower Upper

75 100

155 75.1 37.9 113.6

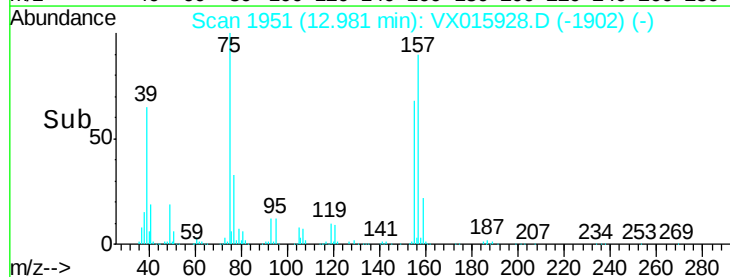
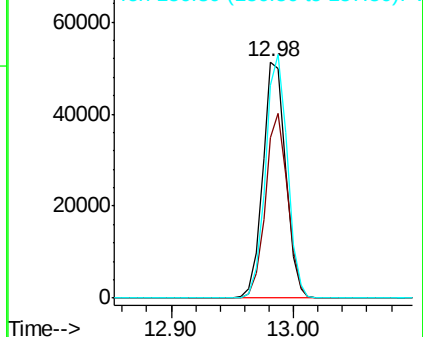
157 97.8 47.9 143.8

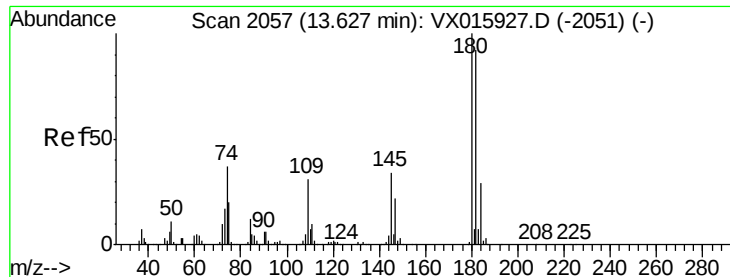


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

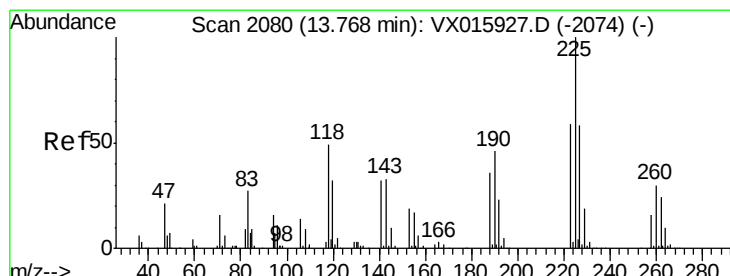
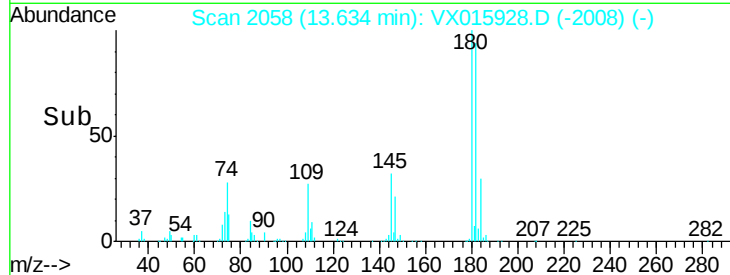
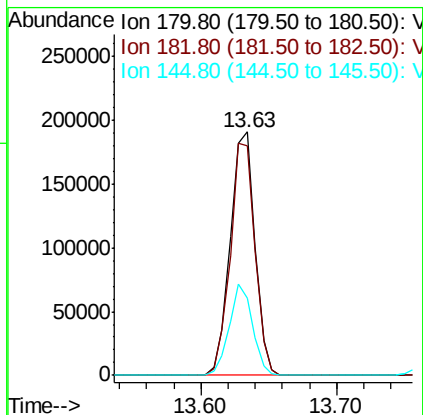
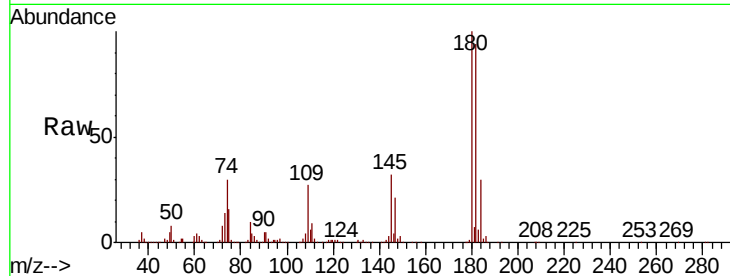




#93
 1,2,4-Trichlorobenzene
 Concen: 108.577 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

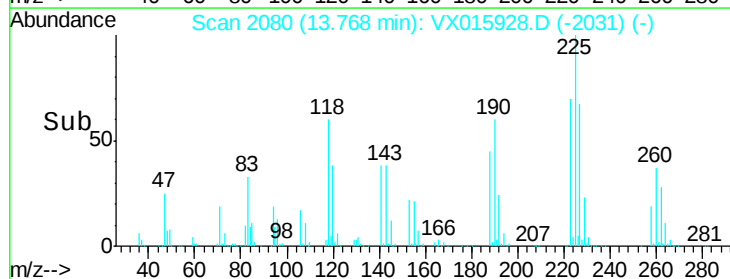
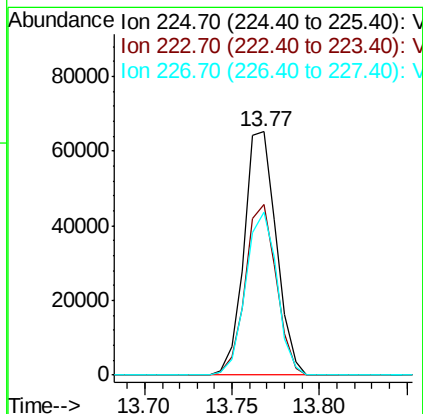
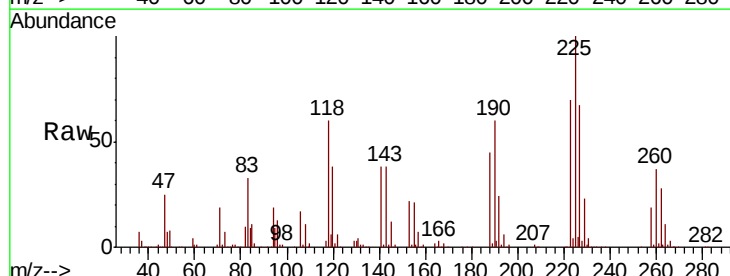
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

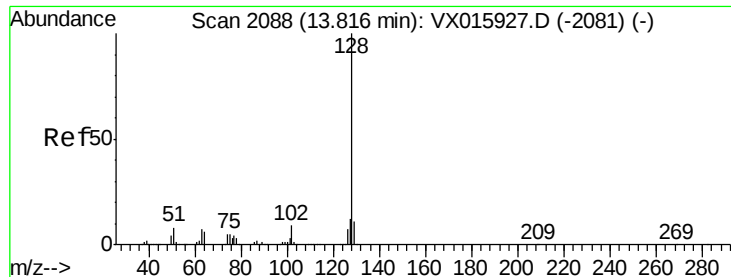
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.6	142.9
145	35.2	17.3	52.0



#94
 Hexachlorobutadiene
 Concen: 105.047 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX015928.D
 Acq: 24 Apr 2020 12:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.7	30.6	91.6
227	65.3	32.0	96.2





#95

Naphthalene

Concen: 112.228 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

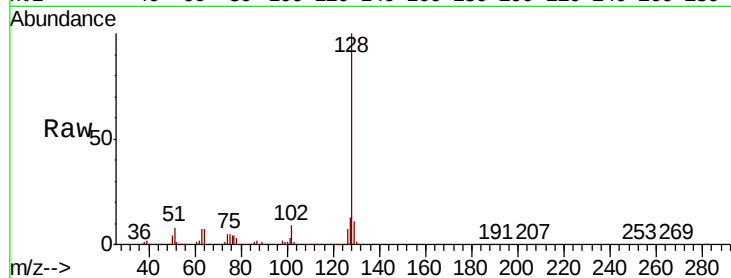
Tot Ion:128 Resp: 899890

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

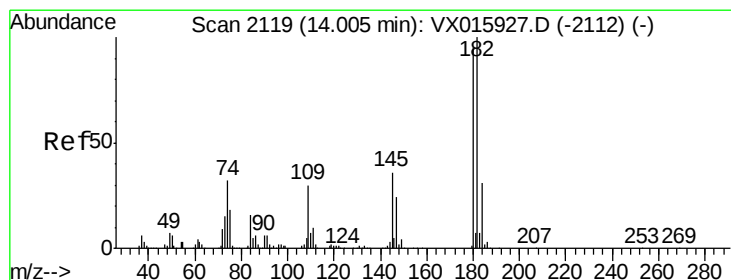
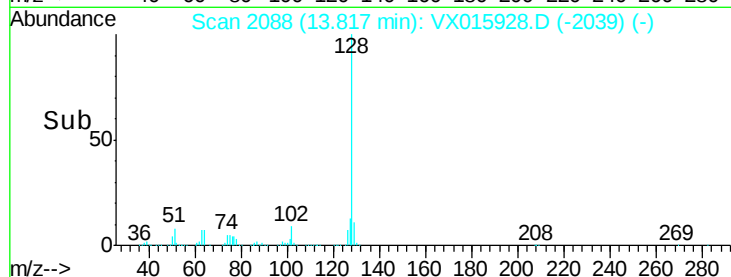
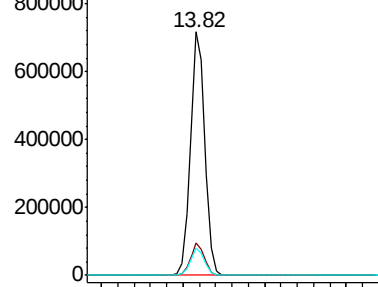
129 10.9 8.7 13.1



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: 111.915 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VX015928.D

Acq: 24 Apr 2020 12:35

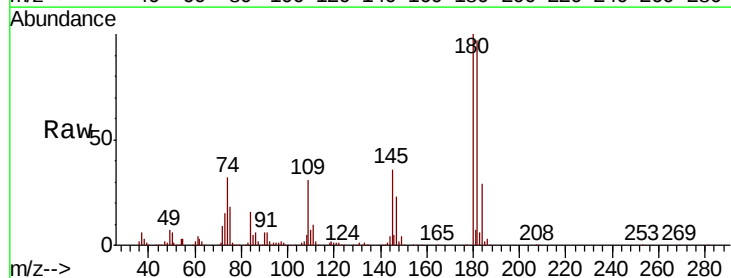
Tgt Ion:180 Resp: 234921

Ion Ratio Lower Upper

180 100

182 93.0 50.1 150.3

145 36.5 18.9 56.9



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

