

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112020\
 Data File : VX019471.D
 Acq On : 19 Nov 2020 17:22
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 19 17:45:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X112020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 19 17:22:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	50371	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	277080	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	246718	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	107674	31.71	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.70%
60) 4-Bromofluorobenzene	11.12	95	123845	32.87	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	109.57%
63) Toluene-d8	8.70	98	334123	30.67	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.23%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	294645	110.303	ug/l	99
3) Chloromethane	1.31	50	310368	123.338	ug/l	98
4) Vinyl Chloride	1.39	62	352743	111.866	ug/l	99
5) Bromomethane	1.62	94	124445	60.174	ug/l	98
6) Chloroethane	1.69	64	80647	41.701	ug/l	97
7) Trichlorofluoromethane	1.89	101	500339	94.471	ug/l	97
8) Diethyl Ether	2.17	74	203624	101.539	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	282105	108.362	ug/l	100
10) 1,1-Dichloroethene	2.34	96	288098	108.962	ug/l	98
11) Methyl Iodide	2.48	142	392047	145.804	ug/l	98
12) Methyl Acetate	2.75	43	346875	127.401	ug/l	96
13) Acrolein	2.28	56	256154	876.359	ug/l	99
14) Acrylonitrile	3.12	53	845390	653.726	ug/l	99
15) Acetone	2.43	58	242570	645.210	ug/l	99
16) Carbon Disulfide	2.54	76	790456	109.531	ug/l	99
17) Allyl chloride	2.70	41	446347	130.502	ug/l	98
18) Methylene Chloride	2.83	84	339152	110.761	ug/l	97
19) trans-1,2-Dichloroethene	3.14	96	328986	107.941	ug/l	98
20) Diisopropyl ether	3.82	45	941331	133.529	ug/l	98
21) 1,1-Dichloroethane	3.67	63	569614	114.895	ug/l	100
22) cis-1,2-Dichloroethene	4.56	96	379288	107.378	ug/l	97
23) tert-Butyl Alcohol	3.06	59	355730	570.686	ug/l	# 100
24) Methyl tert-Butyl Ether	3.17	73	1021117	120.473	ug/l	100
25) Chloroform	5.17	83	588833	108.177	ug/l	99
26) Cyclohexane	5.54	56	496180	126.302	ug/l	# 99
29) 1,1-Dichloropropene	5.76	75	446606	110.027	ug/l	99
30) 2-Butanone	4.64	43	1101322	639.431	ug/l	99
31) 2,2-Dichloropropane	4.54	77	502048	108.108	ug/l	100
32) 1,1,1-Trichloroethane	5.46	97	516239	106.023	ug/l	99
33) Carbon Tetrachloride	5.75	117	448343	106.402	ug/l	97
34) Benzene	6.11	78	1354025	111.461	ug/l	99
35) Methacrylonitrile	5.01	41	230450	126.793	ug/l	96
36) 1,2-Dichloroethane	6.16	62	460605	110.179	ug/l	100
37) Trichloroethene	7.19	130	358830	104.323	ug/l	96
38) Methylcyclohexane	7.44	83	549098	118.661	ug/l	98
39) 1,2-Dichloropropane	7.49	63	338912	117.864	ug/l	99
40) Dibromomethane	7.63	93	232982	106.761	ug/l	97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	473090	110.527	ug/l	98
42) Vinyl Acetate	3.79	43	4125369	633.681	ug/l	99
43) Ethyl Acetate	4.80	43	433526	123.417	ug/l	98
44) Isopropyl Acetate	6.42	43	702606	120.065	ug/l	99
45) 1,4-Dioxane	7.72	88	156265	2512.044	ug/l	96
46) Methyl methacrylate	7.74	41	347905	125.442	ug/l	96
47) n-amyl Acetate	10.88	43	610514	129.486	ug/l	97
48) t-1,3-Dichloropropene	9.02	75	516782	108.585	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	567858	111.481	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	337248	105.491	ug/l	95
51) Ethyl methacrylate	9.16	69	514609	112.366	ug/l	99
52) 1,3-Dichloropropane	9.35	76	571080	109.767	ug/l	99
53) Dibromochloromethane	9.57	129	355711	102.411	ug/l	98
54) 1,2-Dibromoethane	9.65	107	352999	103.027	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	1386349	572.672	ug/l	100
56) Bromoform	10.84	173	262841	108.399	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	2092204	629.341	ug/l	99
59) 2-Hexanone	9.48	43	1616668	650.049	ug/l	99
61) Tetrachloroethene	9.32	164	328120	106.619	ug/l	97
62) Toluene	8.76	91	1442885	107.662	ug/l	99
64) Chlorobenzene	10.12	112	874965	104.805	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.20	131	328829	108.221	ug/l	99
66) Ethyl Benzene	10.23	91	1602411	108.802	ug/l	97
67) m/p-Xylenes	10.34	106	1206363	215.148	ug/l	98
68) o-Xylene	10.68	106	575881	107.694	ug/l	99
69) Styrene	10.70	104	992368	109.803	ug/l	99
70) Isopropylbenzene	11.00	105	1532011	106.090	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	526855	122.834	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	616076	160.513	ug/l	88
73) Bromobenzene	11.24	156	379487	107.393	ug/l	99
74) n-propylbenzene	11.34	91	1818432	111.154	ug/l	100
75) 2-Chlorotoluene	11.40	91	1066497	113.372	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	1316693	111.738	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	180718	123.053	ug/l	92
78) 4-Chlorotoluene	11.49	91	1270170	115.305	ug/l	99
79) tert-butylbenzene	11.76	119	1276768	110.978	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	1339847	114.387	ug/l	99
81) sec-Butylbenzene	11.93	105	1524232	111.147	ug/l	98
82) p-Isopropyltoluene	12.05	119	1413214	112.304	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	718214	112.755	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	721342	111.595	ug/l	99
85) n-Butylbenzene	12.37	91	1312893	116.755	ug/l	99
86) Hexachloroethane	12.58	117	246656	125.318	ug/l	97
87) 1,2-Dichlorobenzene	12.38	146	700150	114.186	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	118120	124.597	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	492286	114.123	ug/l	99
90) Hexachlorobutadiene	13.76	225	212087	112.683	ug/l	97
91) Naphthalene	13.82	128	1620512	115.335	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	498080	118.813	ug/l	98

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MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Nov 19 17:45:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X112020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Nov 19 17:22:40 2020
Response via : Initial Calibration

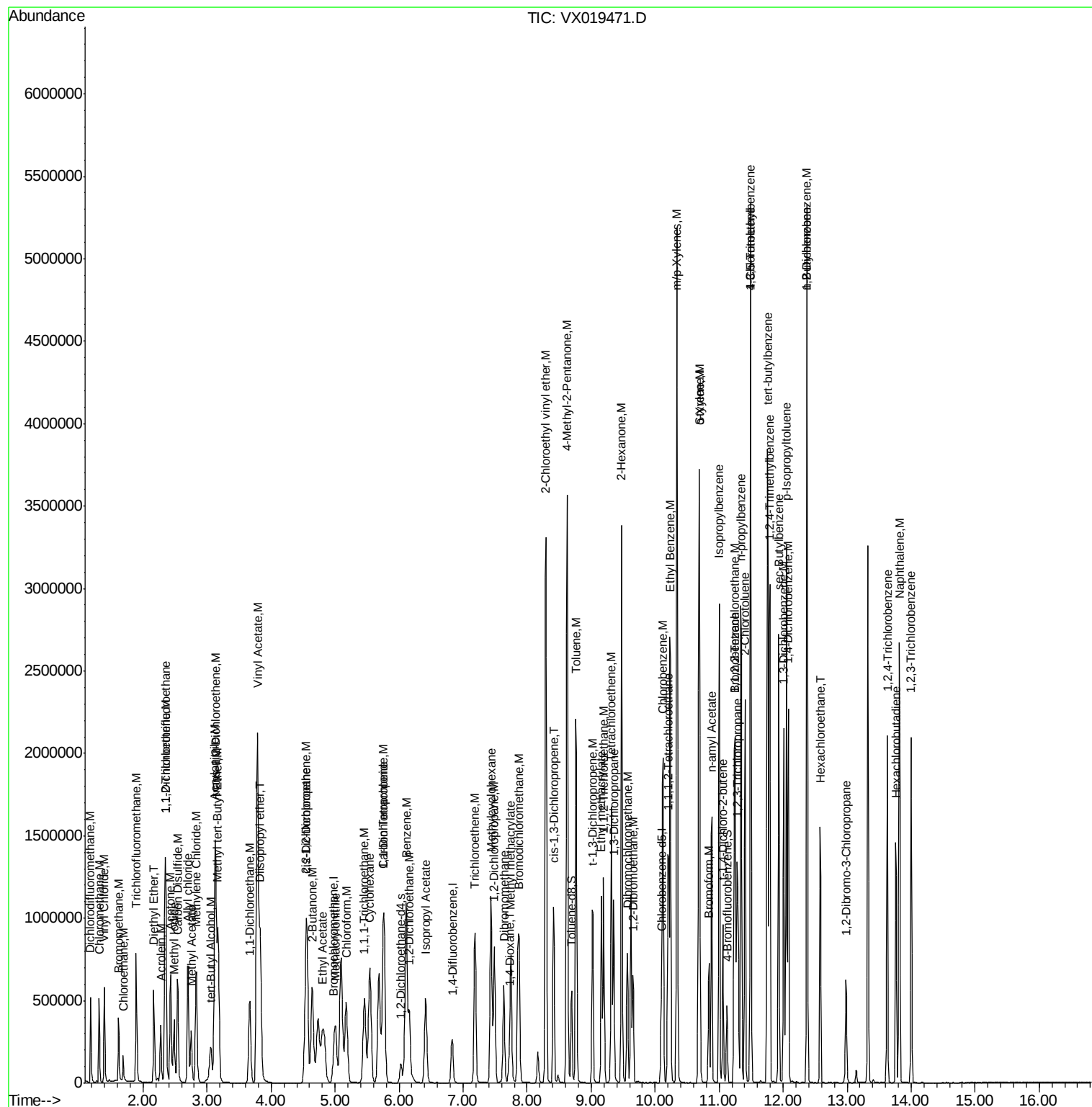
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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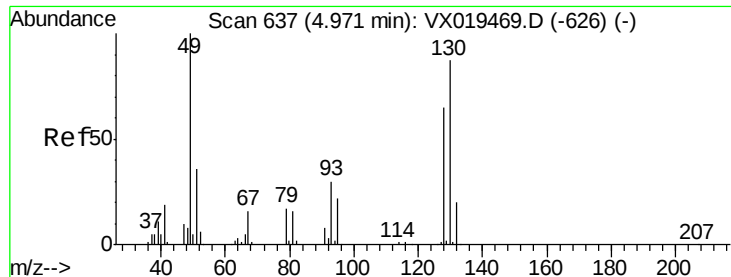
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX112020\
Data File : VX019471.D
Acq On : 19 Nov 2020 17:22
Operator : JC/MD
Sample : VSTDIC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Quant Time: Nov 19 17:45:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X112020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Nov 19 17:22:40 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 638

Delta R.T. 0.01 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

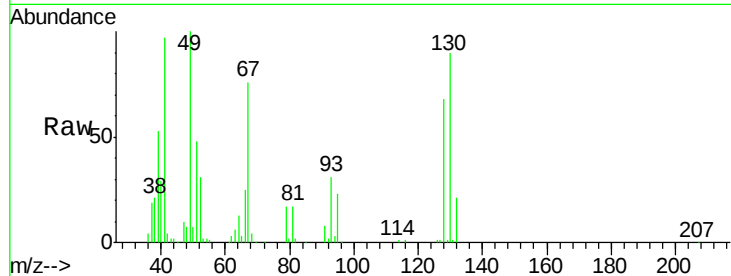
Tgt Ion:128 Resp: 50371

Ion Ratio Lower Upper

128 100

49 150.6 0.0 377.8

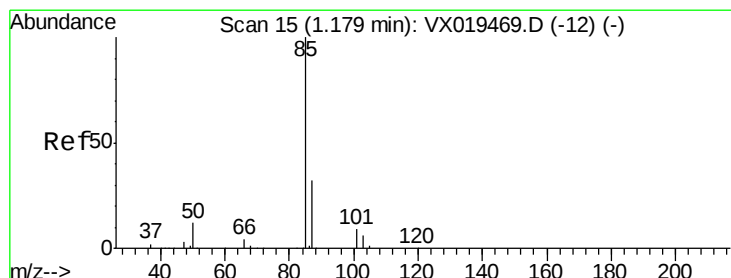
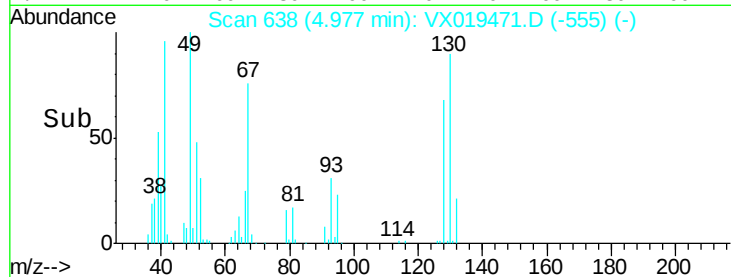
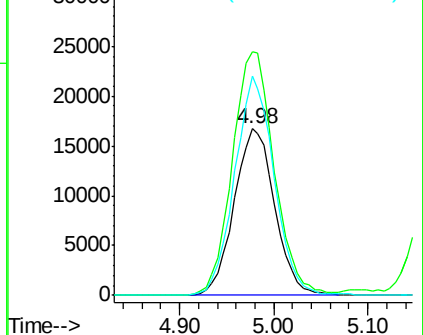
130 127.7 0.0 324.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 110.303 ug/l

RT: 1.18 min Scan# 15

Delta R.T. 0.00 min

Lab File: VX019471.D

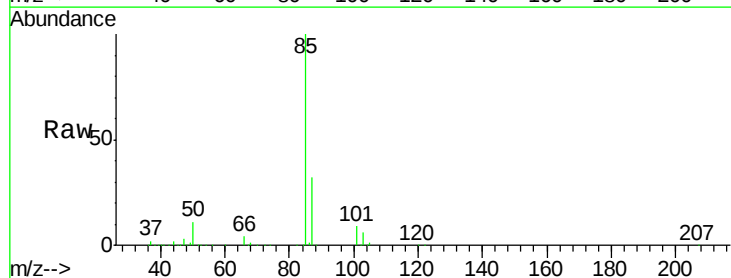
Acq: 19 Nov 2020 17:22

Tgt Ion: 85 Resp: 294645

Ion Ratio Lower Upper

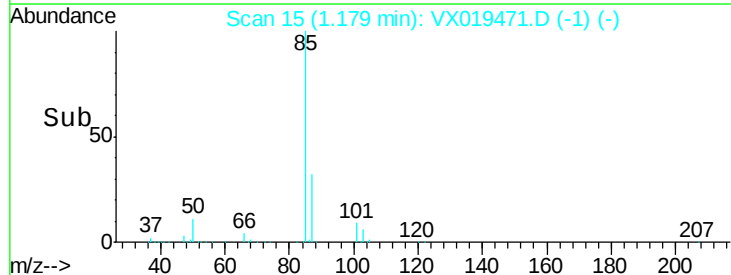
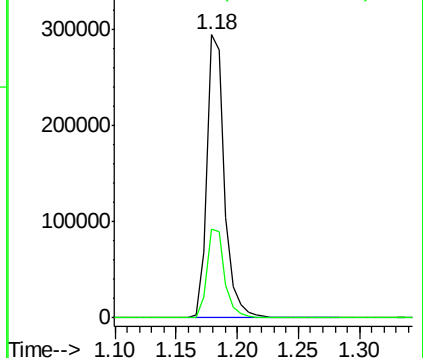
85 100

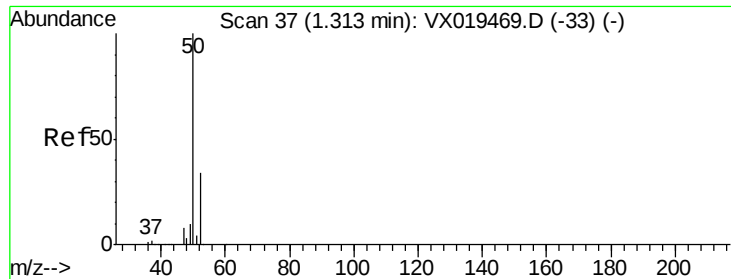
87 31.5 16.0 47.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 123.338 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

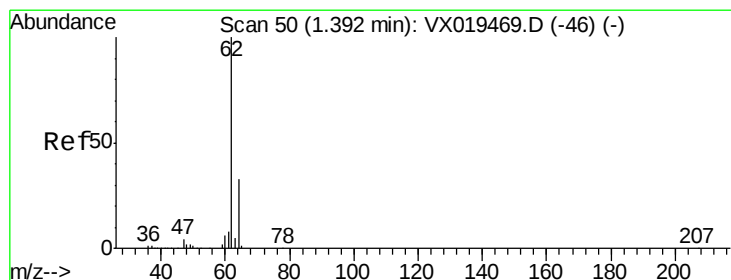
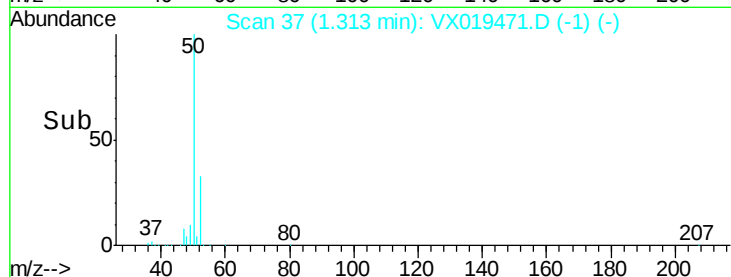
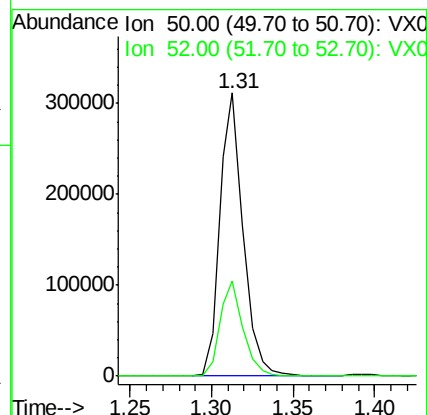
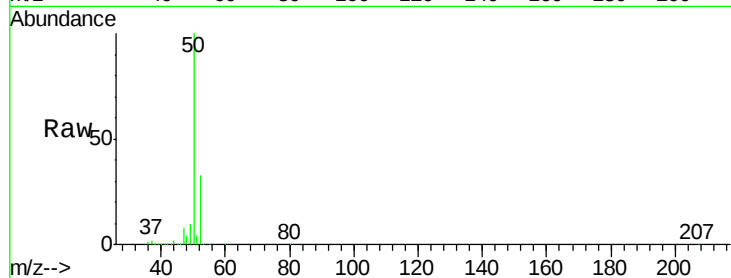
VSTDIC100

Tgt Ion: 50 Resp: 310368

Ion Ratio Lower Upper

50 100

52 33.5 27.5 41.3



#4

Vinyl Chloride

Concen: 111.866 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019471.D

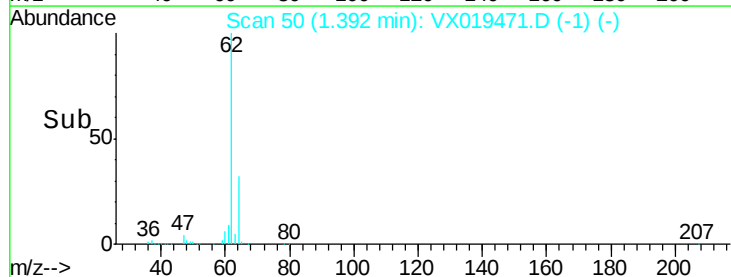
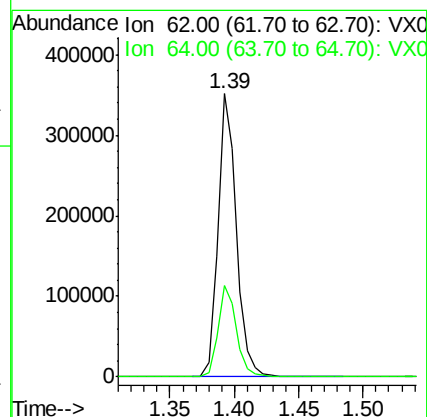
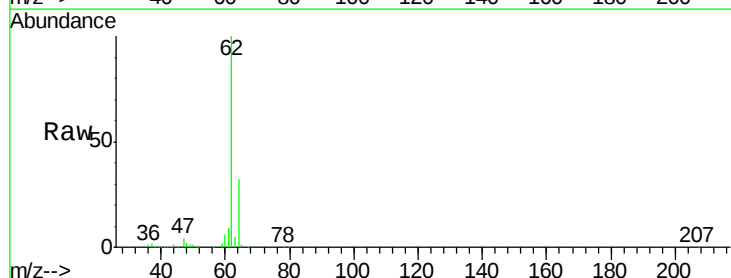
Acq: 19 Nov 2020 17:22

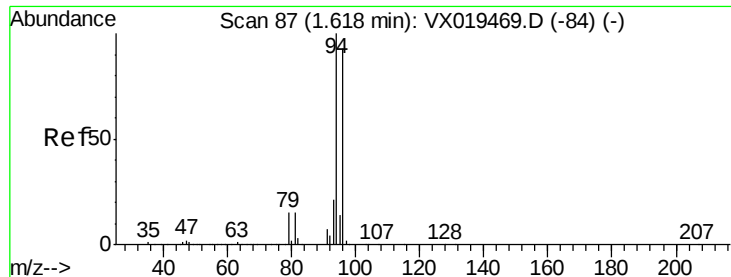
Tgt Ion: 62 Resp: 352743

Ion Ratio Lower Upper

62 100

64 32.4 26.4 39.6





#5

Bromomethane

Concen: 60.174 ug/l

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

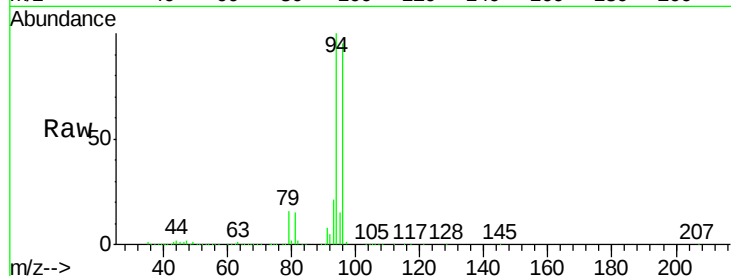
VSTDICC100

Tgt Ion: 94 Resp: 124445

Ion Ratio Lower Upper

94 100

96 95.3 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

150000

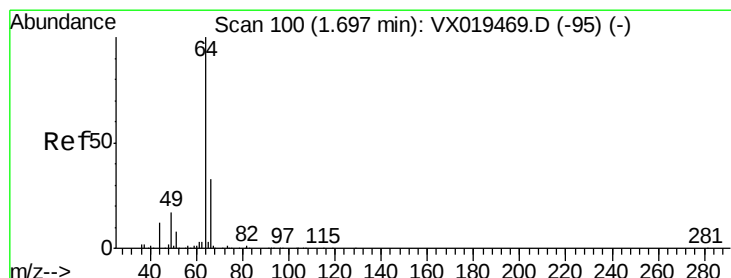
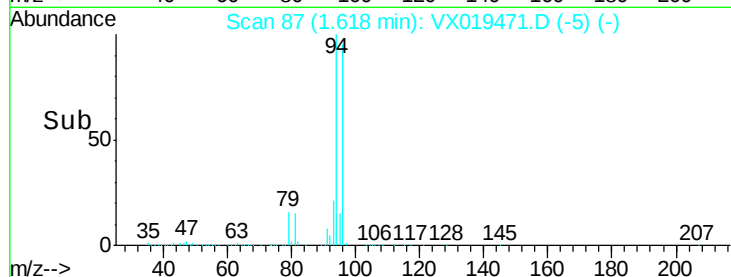
100000

50000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 41.701 ug/l

RT: 1.69 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX019471.D

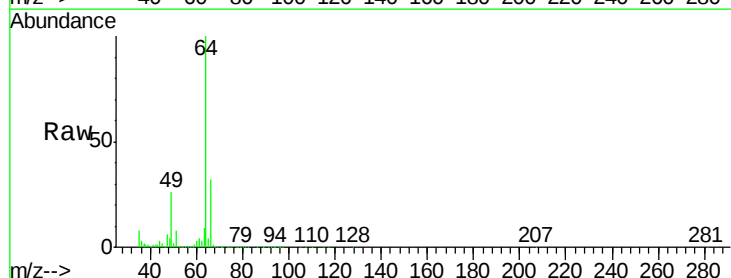
Acq: 19 Nov 2020 17:22

Tgt Ion: 64 Resp: 80647

Ion Ratio Lower Upper

64 100

66 31.8 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

80000

60000

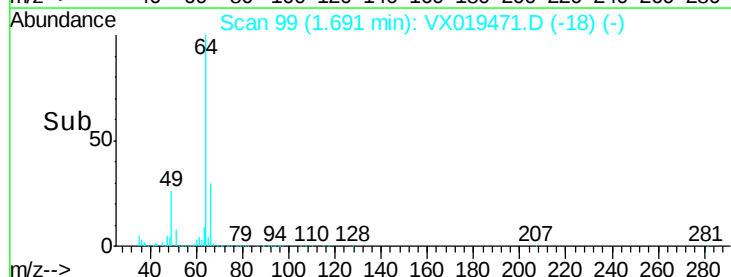
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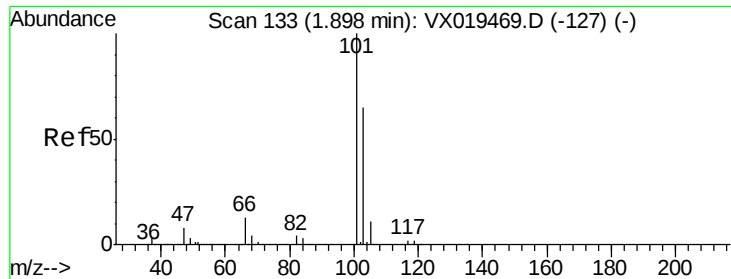
20000

0

1.65 1.70 1.75

Time-->



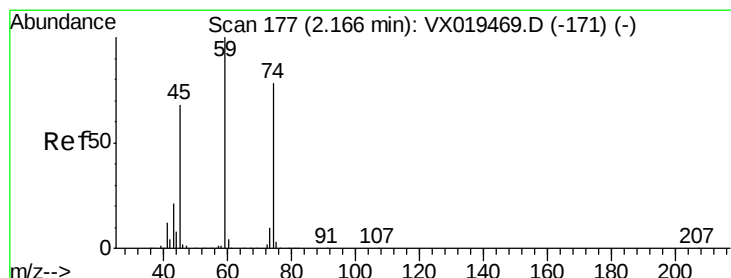
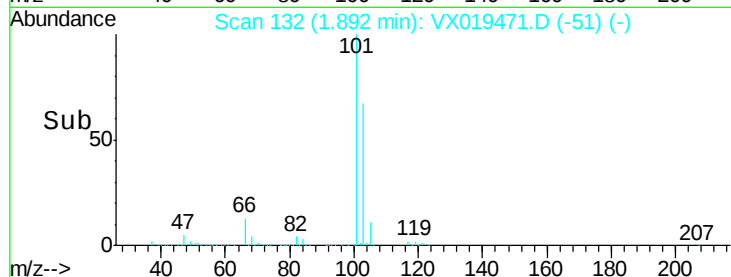
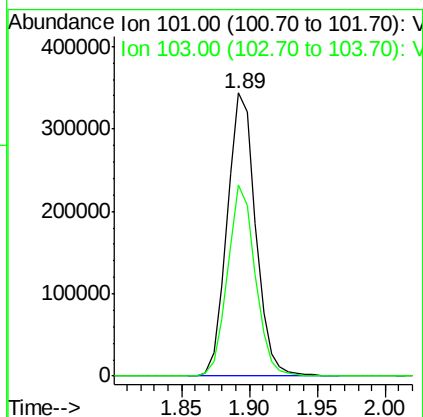
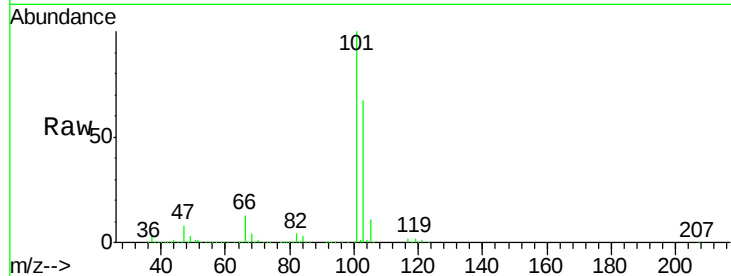


#7

Trichlorofluoromethane
 Concen: 94.471 ug/l
 RT: 1.89 min Scan# 132
 Delta R.T. -0.01 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

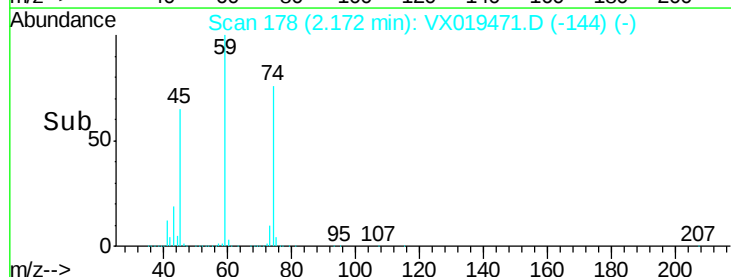
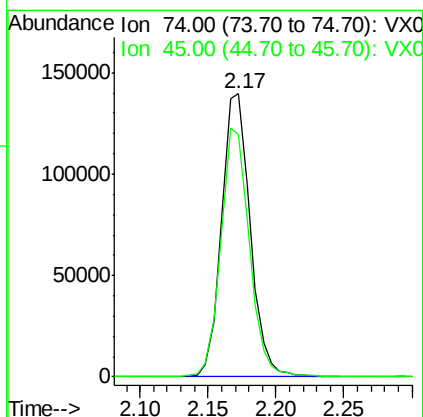
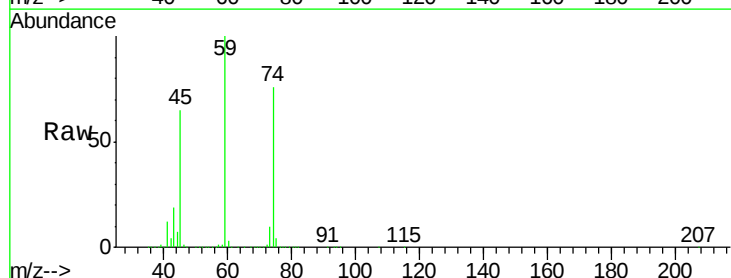
Tgt Ion:101 Resp: 500339
 Ion Ratio Lower Upper
 101 100
 103 67.5 51.8 77.6

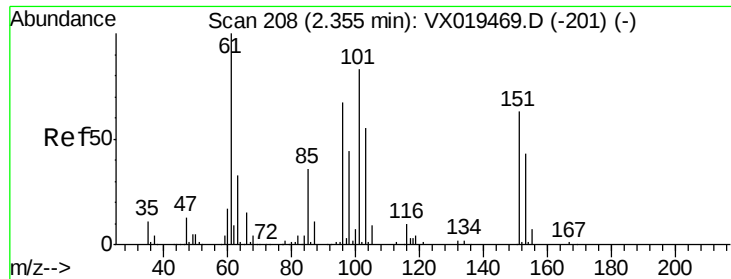


#8

Diethyl Ether
 Concen: 101.539 ug/l
 RT: 2.17 min Scan# 178
 Delta R.T. 0.01 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

Tgt Ion: 74 Resp: 203624
 Ion Ratio Lower Upper
 74 100
 45 87.9 17.2 155.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 108.362 ug/l

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

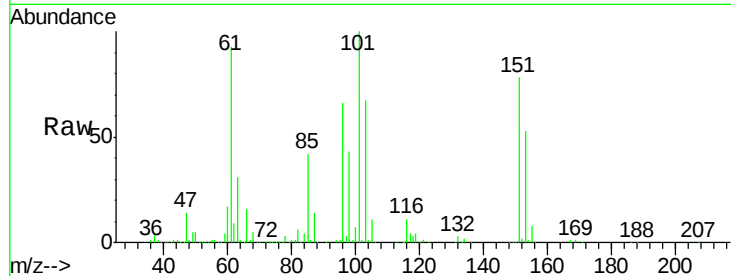
Tgt Ion:101 Resp: 282105

Ion Ratio Lower Upper

101 100

85 43.6 0.0 88.8

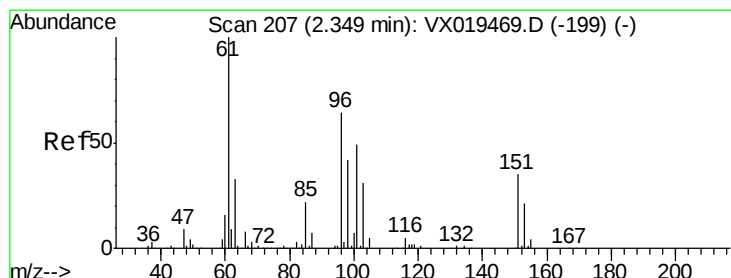
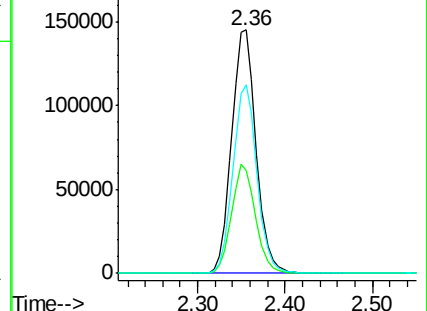
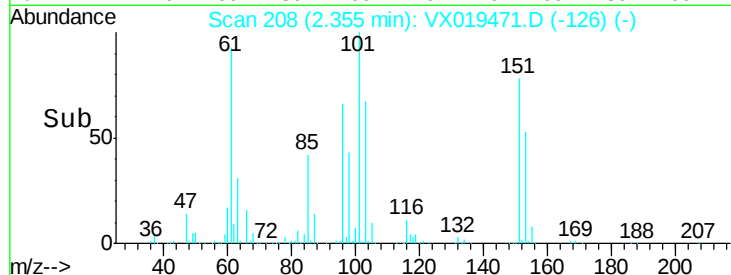
151 76.4 0.0 153.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 108.962 ug/l

RT: 2.34 min Scan# 206

Delta R.T. -0.01 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

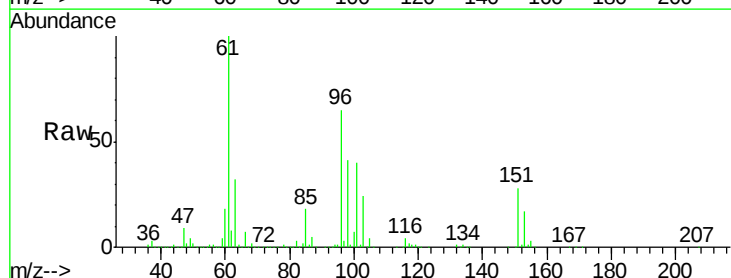
Tgt Ion: 96 Resp: 288098

Ion Ratio Lower Upper

96 100

61 154.3 125.4 188.2

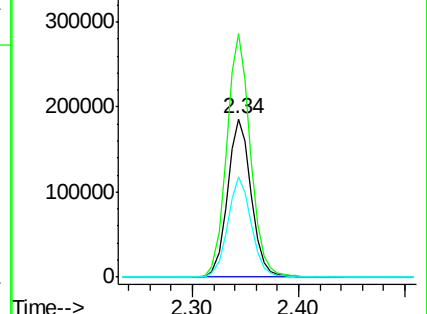
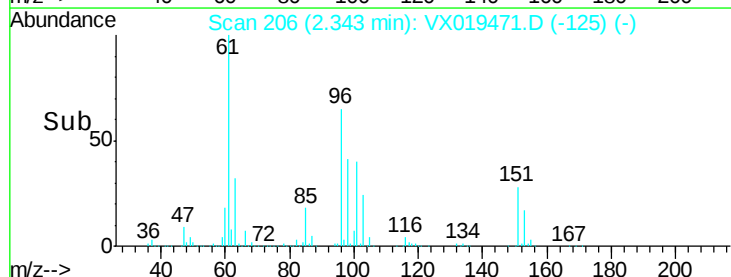
98 63.6 52.4 78.6

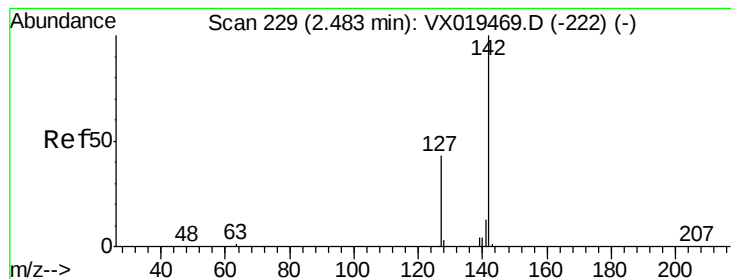


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#11

Methyl Iodide

Concen: 145.804 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

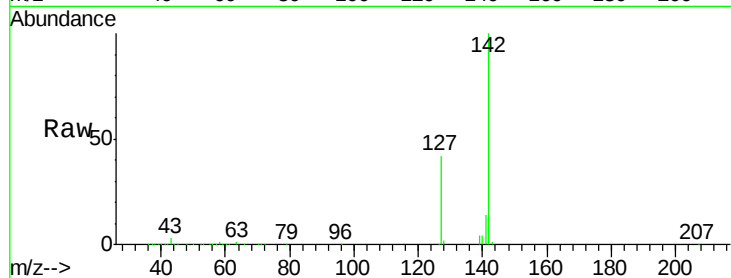
Tgt Ion:142 Resp: 392047

Ion Ratio Lower Upper

142 100

127 41.8 21.3 64.0

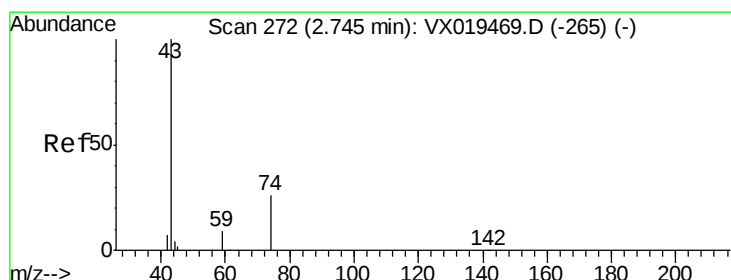
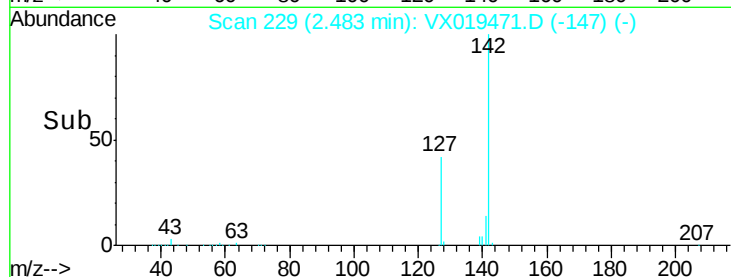
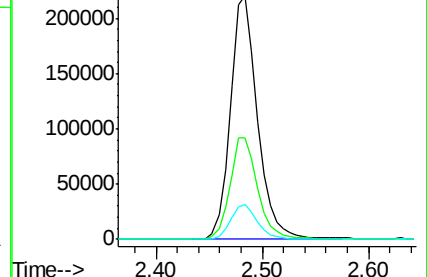
141 14.5 6.7 20.0



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 127.401 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX019471.D

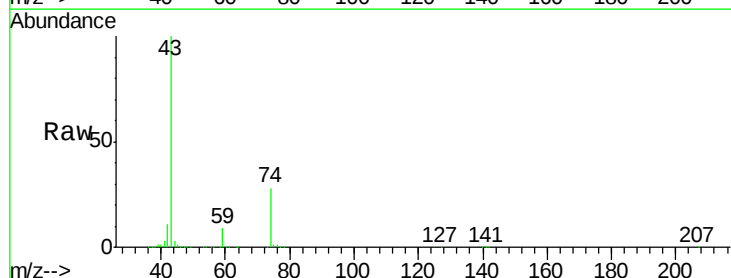
Acq: 19 Nov 2020 17:22

Tgt Ion: 43 Resp: 346875

Ion Ratio Lower Upper

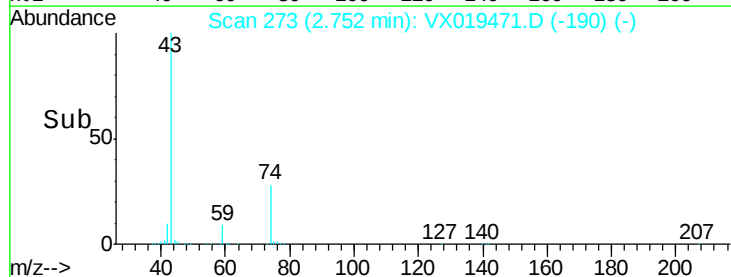
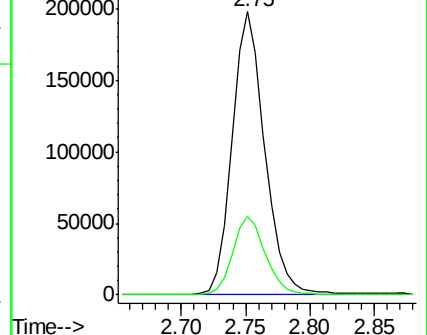
43 100

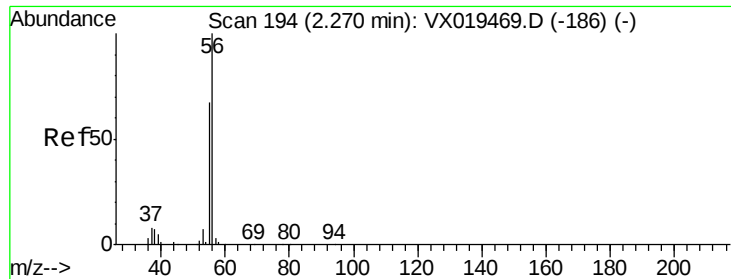
74 27.8 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

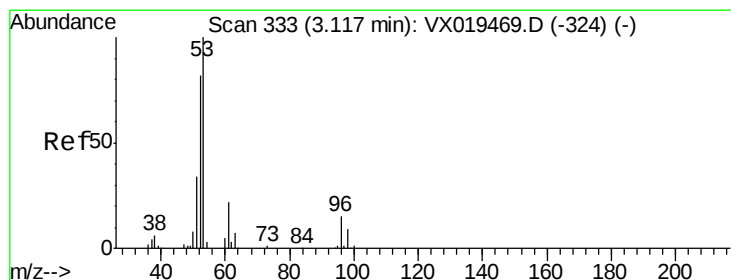
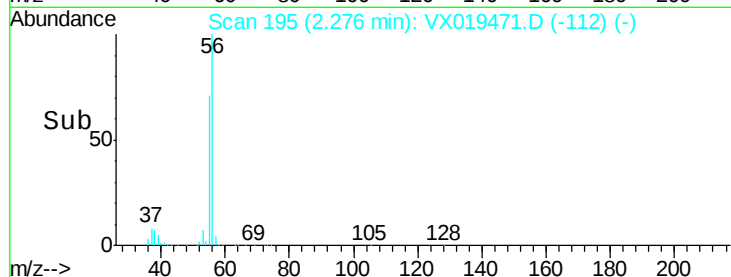
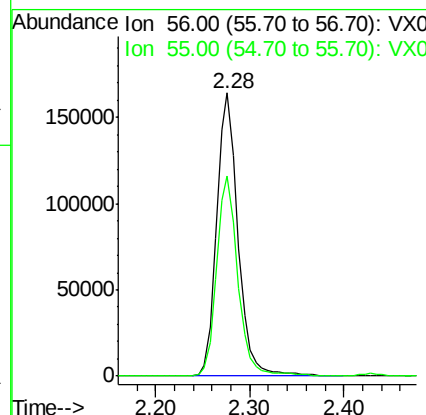
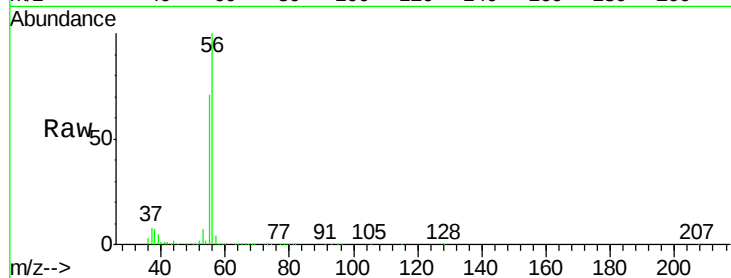




#13
Acrolein
Concen: 876.359 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX019471.D
Acq: 19 Nov 2020 17:22

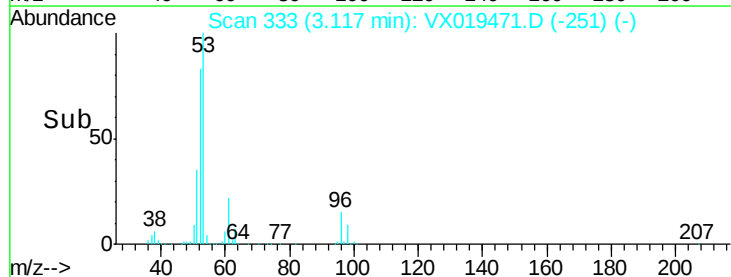
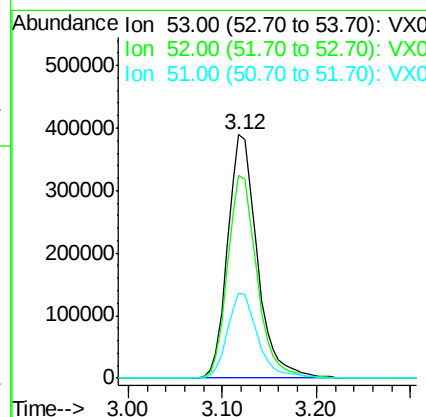
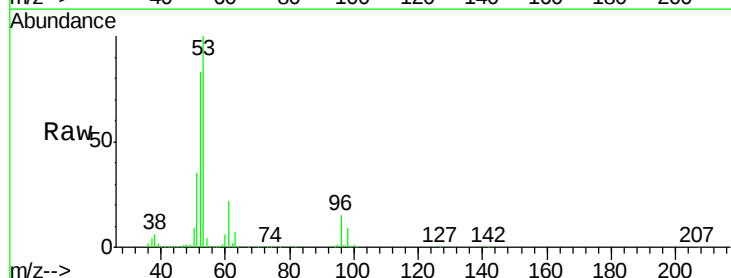
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

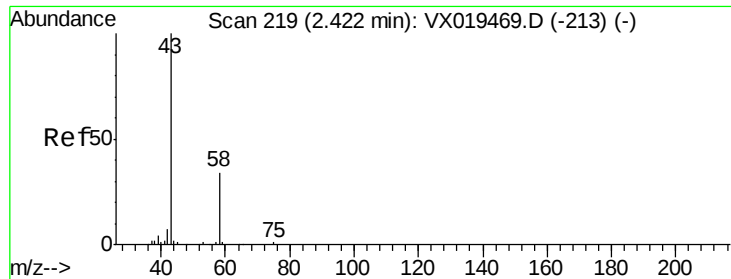
Tgt Ion: 56 Resp: 256154
Ion Ratio Lower Upper
56 100
55 70.0 56.5 84.7



#14
Acrylonitrile
Concen: 653.726 ug/l
RT: 3.12 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX019471.D
Acq: 19 Nov 2020 17:22

Tgt Ion: 53 Resp: 845390
Ion Ratio Lower Upper
53 100
52 83.2 41.3 123.7
51 35.6 17.8 53.3

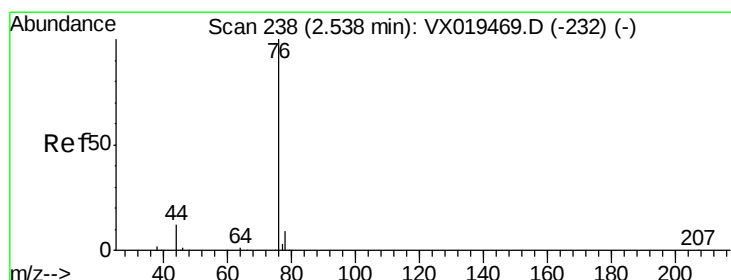
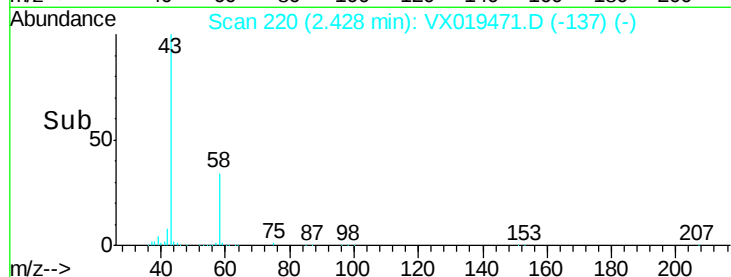
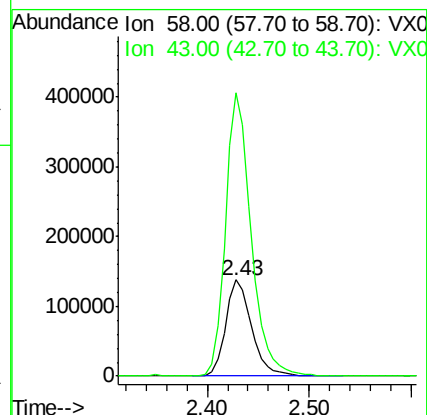
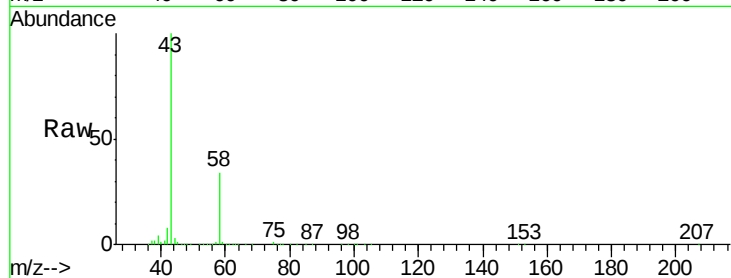




#15
Acetone
Concen: 645.210 ug/l
RT: 2.43 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX019471.D
Acq: 19 Nov 2020 17:22

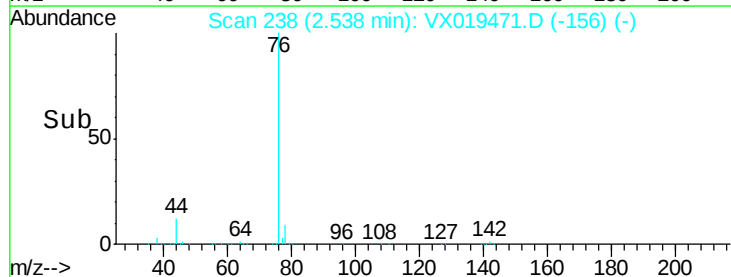
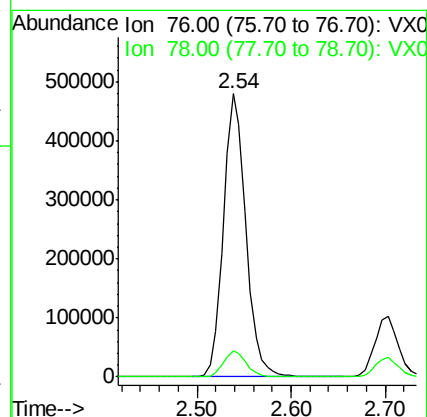
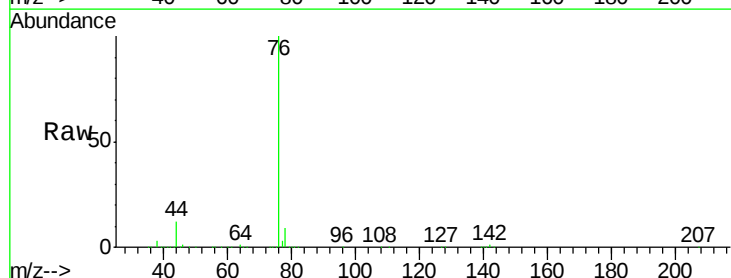
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

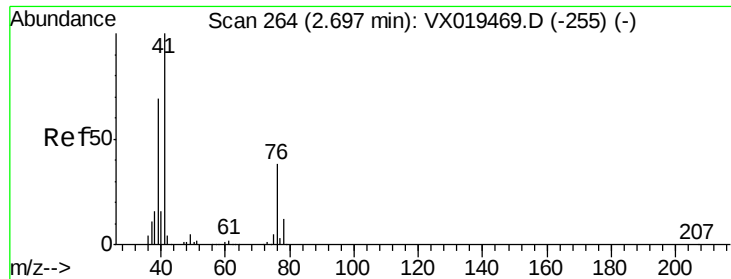
Tgt Ion: 58 Resp: 242570
Ion Ratio Lower Upper
58 100
43 293.9 236.3 354.5



#16
Carbon Disulfide
Concen: 109.531 ug/l
RT: 2.54 min Scan# 238
Delta R.T. 0.00 min
Lab File: VX019471.D
Acq: 19 Nov 2020 17:22

Tgt Ion: 76 Resp: 790456
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

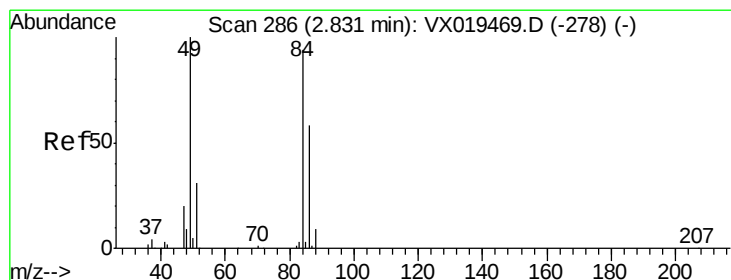
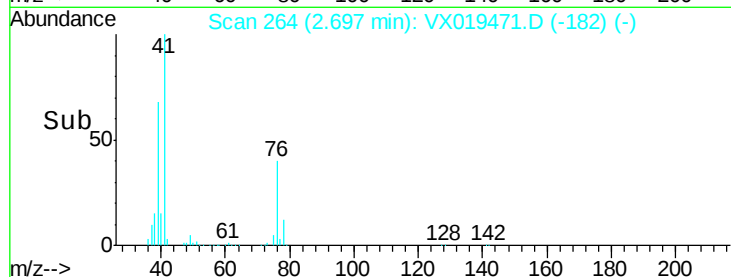
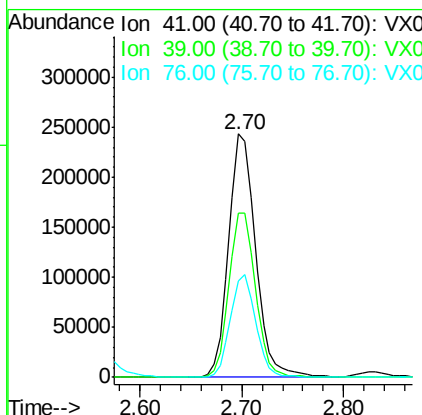
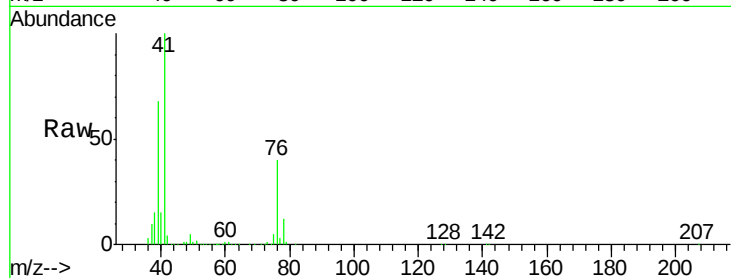




#17
 Allyl chloride
 Concen: 130.502 ug/l
 RT: 2.70 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

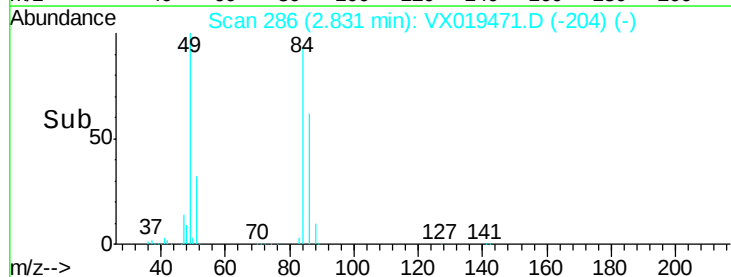
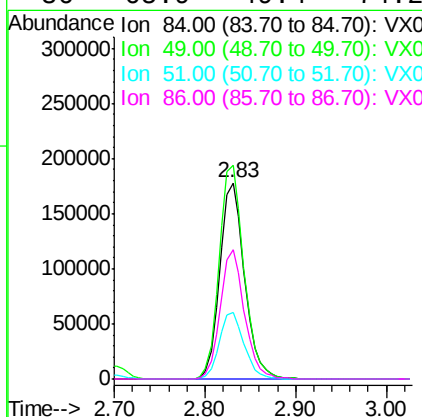
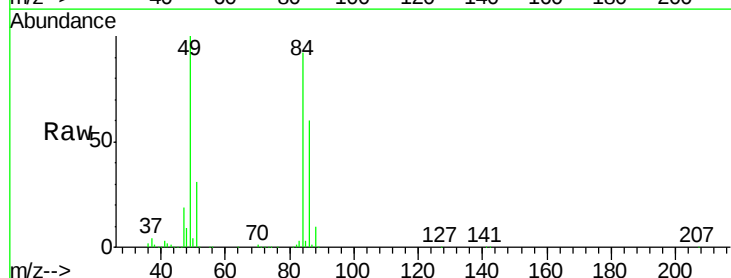
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

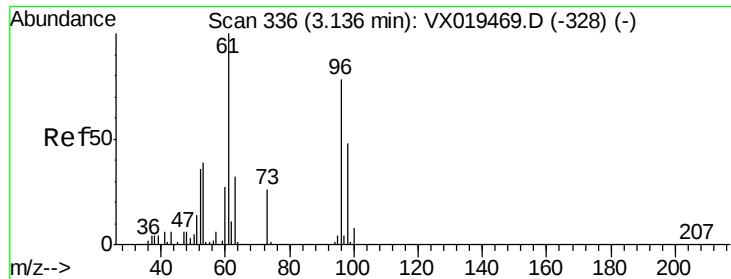
Tgt Ion: 41 Resp: 446347
 Ion Ratio Lower Upper
 41 100
 39 67.7 34.5 103.6
 76 39.7 19.3 57.8



#18
 Methylene Chloride
 Concen: 110.761 ug/l
 RT: 2.83 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

Tgt Ion: 84 Resp: 339152
 Ion Ratio Lower Upper
 84 100
 49 108.9 85.4 128.0
 51 34.2 26.7 40.1
 86 65.9 49.4 74.2





#19

trans-1,2-Dichloroethene

Concen: 107.941 ug/l

RT: 3.14 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

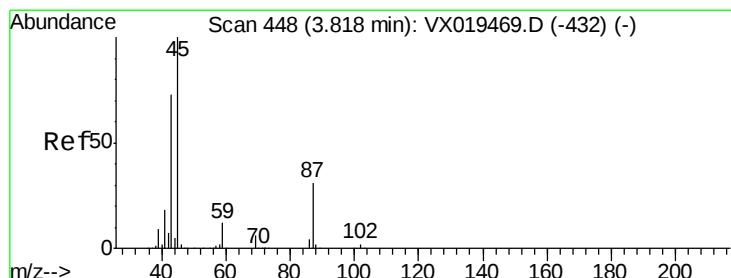
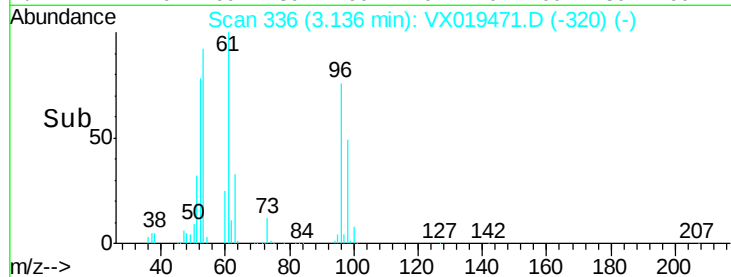
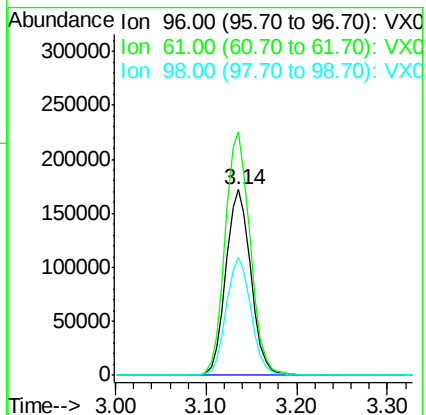
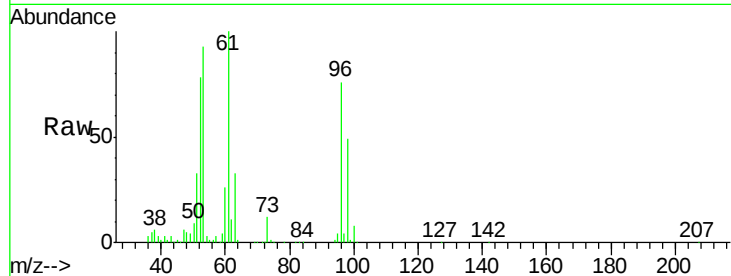
Tgt Ion: 96 Resp: 328986

Ion Ratio Lower Upper

96 100

61 131.0 103.2 154.8

98 63.6 49.2 73.8



#20

Diisopropyl ether

Concen: 133.529 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.01 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Tgt Ion: 45 Resp: 941331

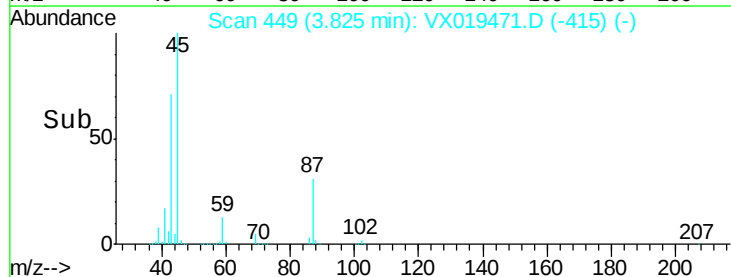
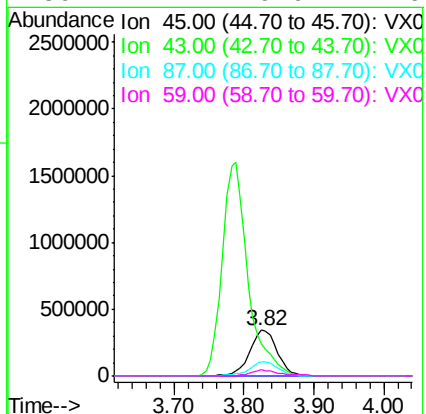
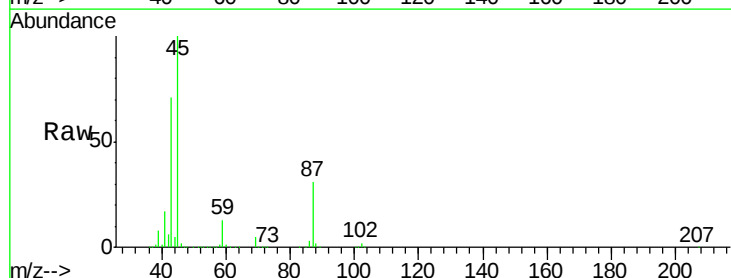
Ion Ratio Lower Upper

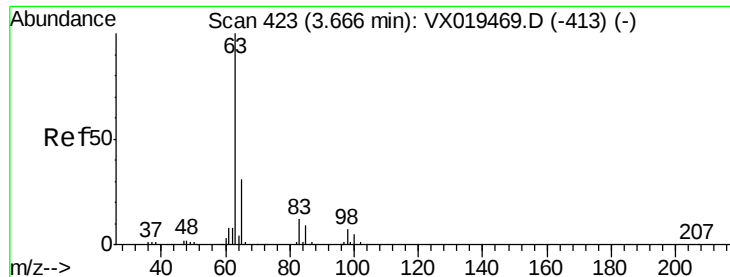
45 100

43 70.8 58.7 88.1

87 31.5 24.5 36.7

59 12.7 9.9 14.9

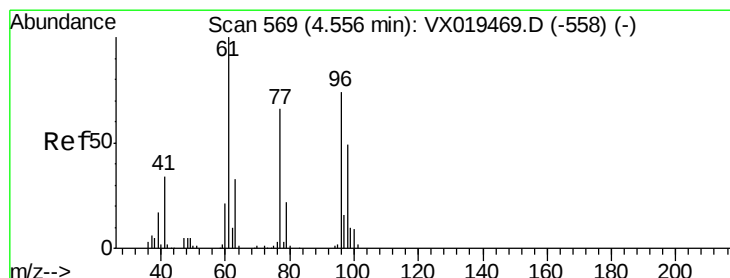
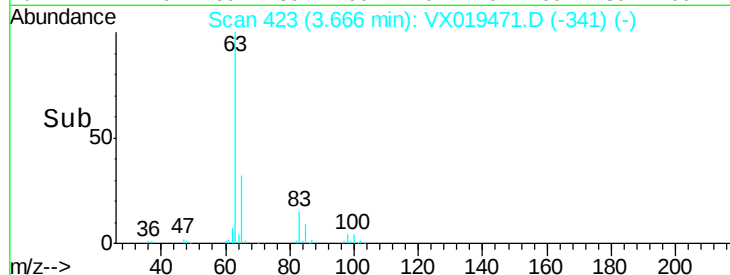
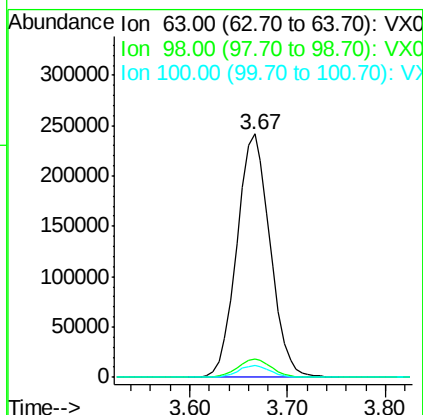
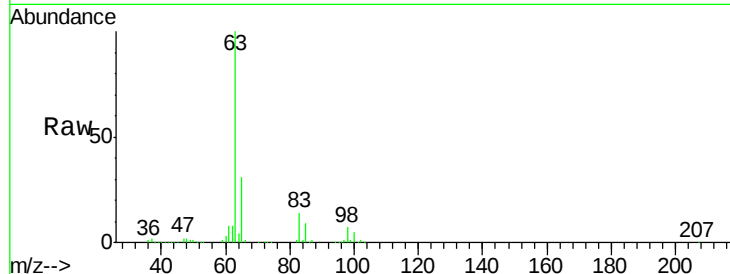




#21
 1,1-Dichloroethane
 Concen: 114.895 ug/l
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

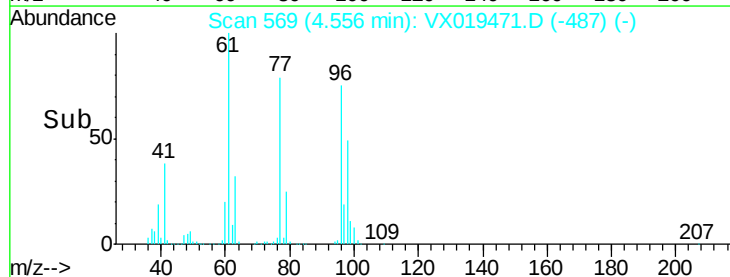
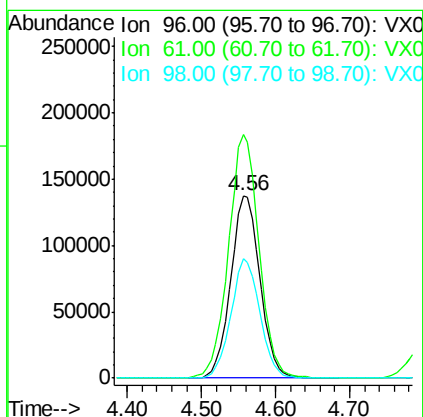
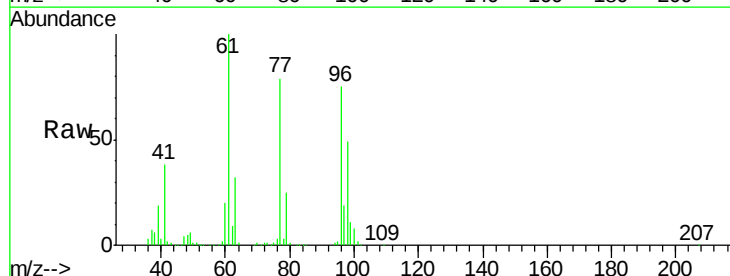
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

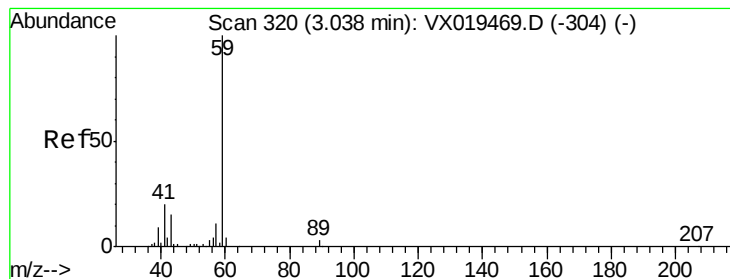
Tgt Ion: 63 Resp: 569614
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.8 11.2
 100 4.7 2.4 7.1



#22
 cis-1,2-Dichloroethene
 Concen: 107.378 ug/l
 RT: 4.56 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

Tgt Ion: 96 Resp: 379288
 Ion Ratio Lower Upper
 96 100
 61 138.2 114.2 171.2
 98 64.5 51.7 77.5





#23

tert-Butyl Alcohol

Concen: 570.686 ug/l

RT: 3.06 min Scan# 323

Delta R.T. 0.02 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

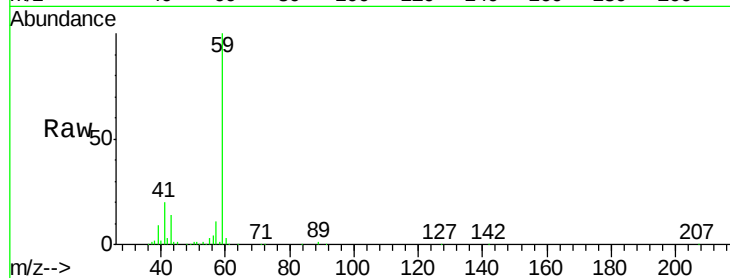
VSTDIC100

Tgt Ion: 59 Resp: 355730

Ion Ratio Lower Upper

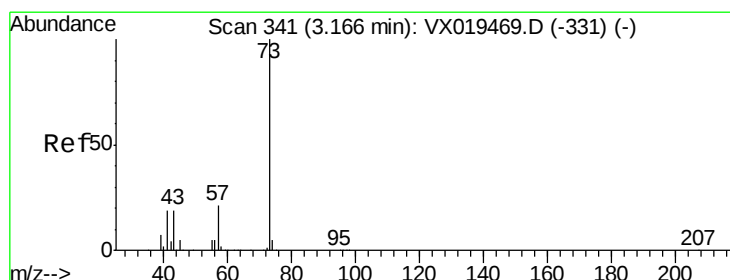
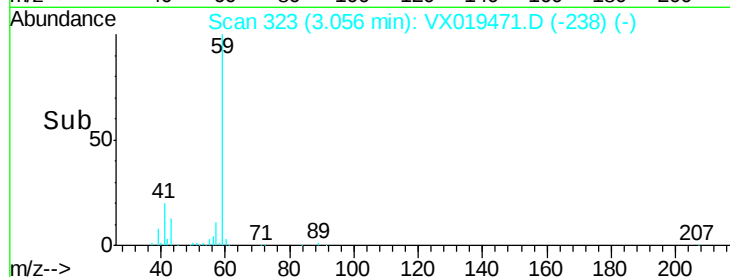
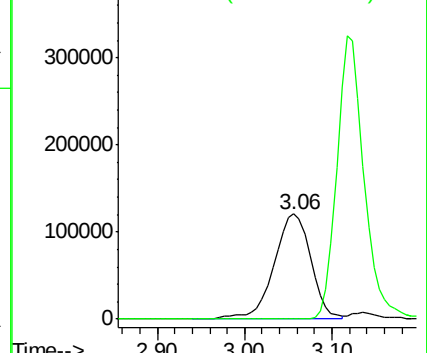
59 100

52 0.1 0.2 0.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 120.473 ug/l

RT: 3.17 min Scan# 342

Delta R.T. 0.01 min

Lab File: VX019471.D

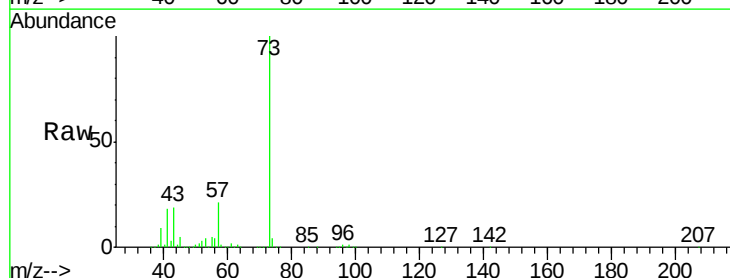
Acq: 19 Nov 2020 17:22

Tgt Ion: 73 Resp: 1021117

Ion Ratio Lower Upper

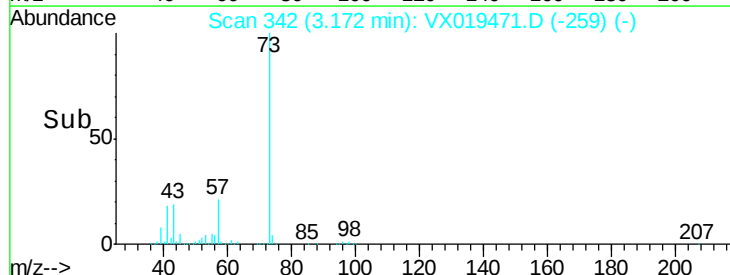
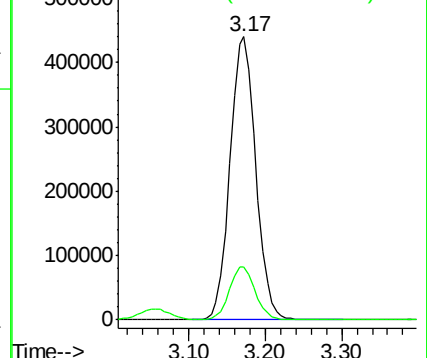
73 100

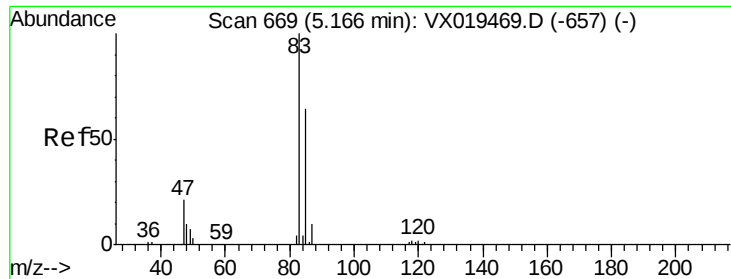
43 18.7 15.0 22.6



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 108.177 ug/l

RT: 5.17 min Scan# 670

Delta R.T. 0.01 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

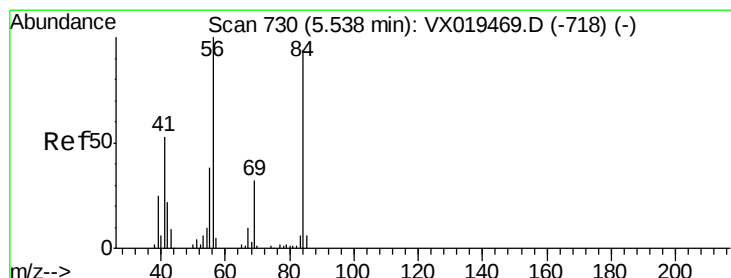
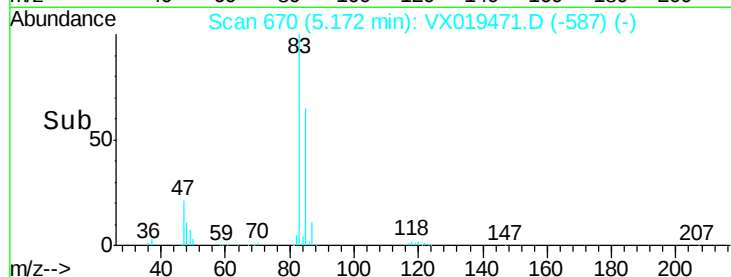
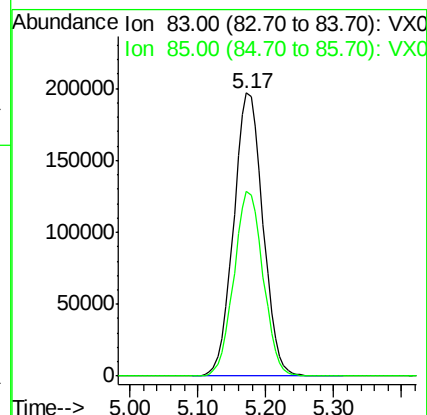
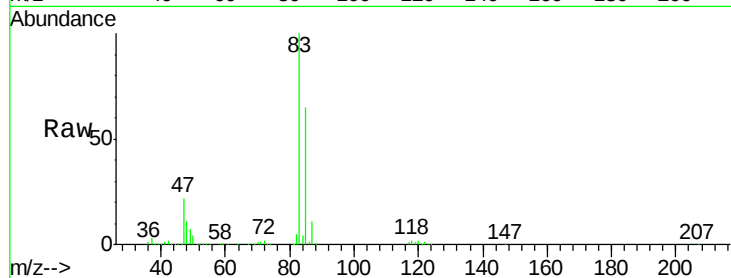
VSTDIC100

Tgt Ion: 83 Resp: 588833

Ion Ratio Lower Upper

83 100

85 65.1 51.4 77.0



#26

Cyclohexane

Concen: 126.302 ug/l

RT: 5.54 min Scan# 731

Delta R.T. 0.01 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

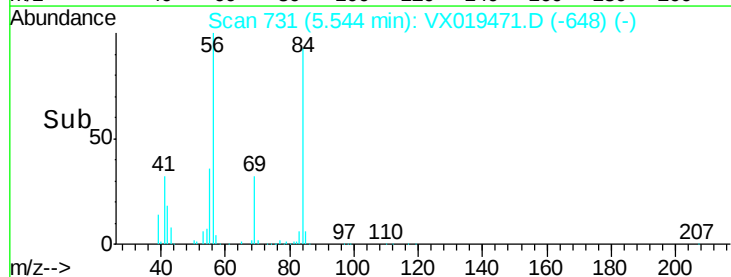
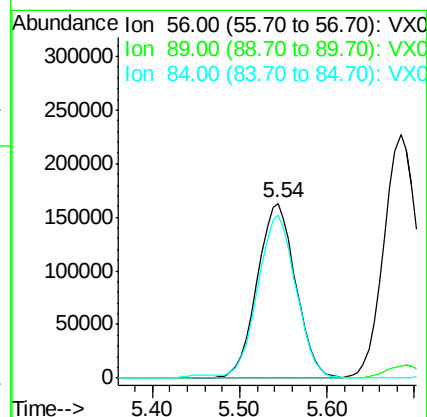
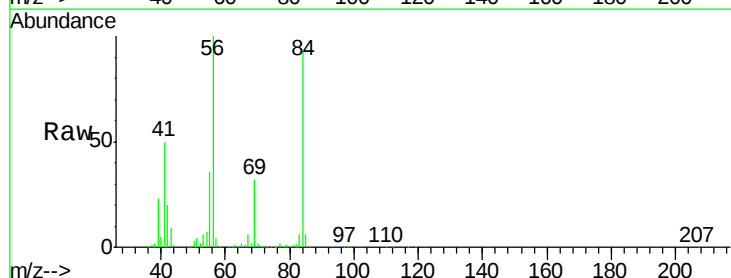
Tgt Ion: 56 Resp: 496180

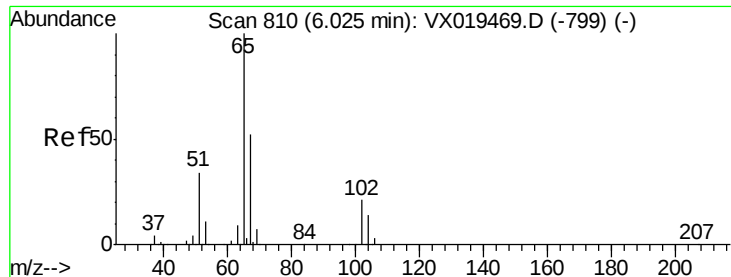
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 93.2 75.2 112.8

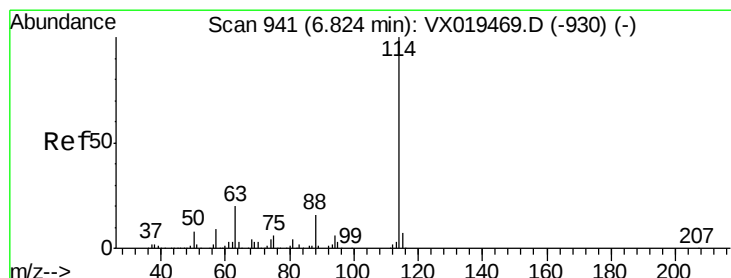
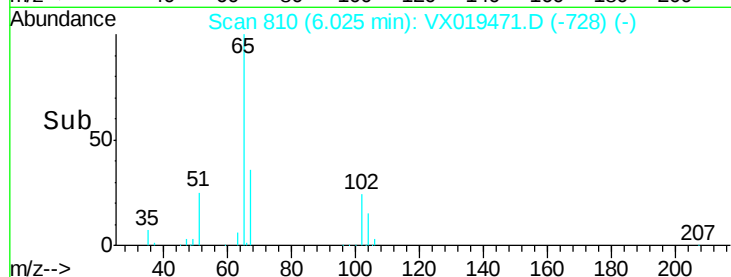
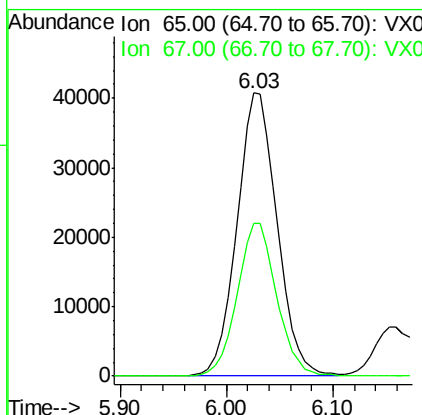
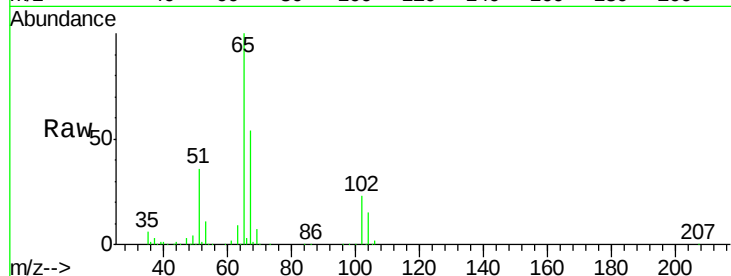




#27
 1,2-Dichloroethane-d4
 Concen: 31.713 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

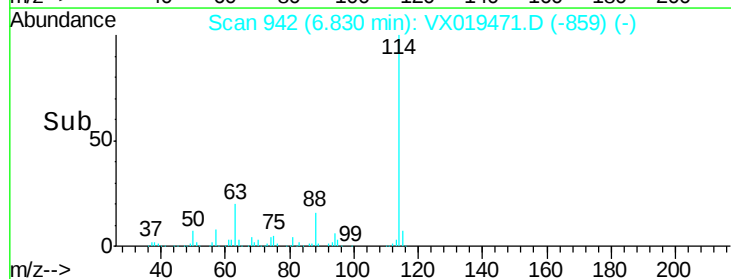
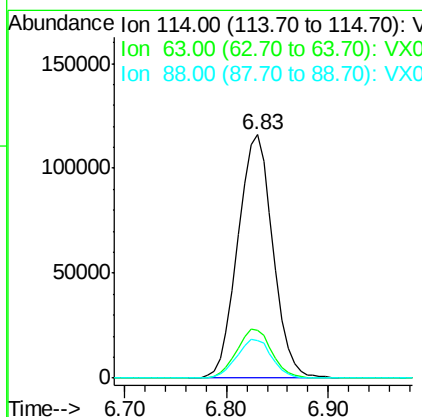
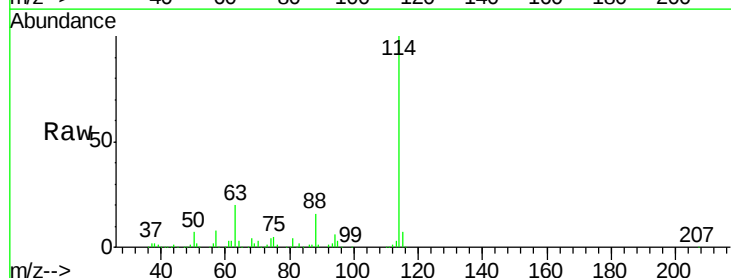
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

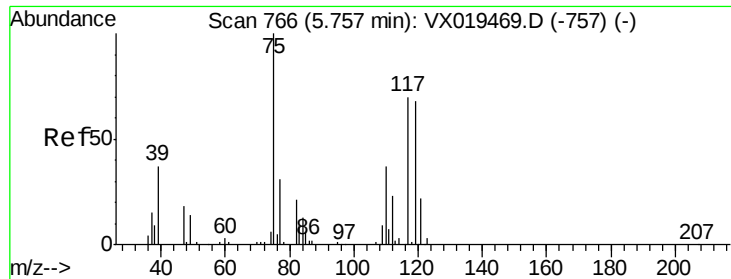
Tgt Ion: 65 Resp: 107674
 Ion Ratio Lower Upper
 65 100
 67 53.2 42.2 63.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

Tgt Ion: 114 Resp: 277080
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.2 24.2
 88 16.0 12.9 19.3

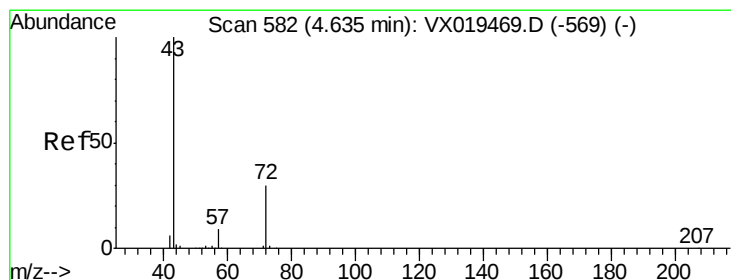
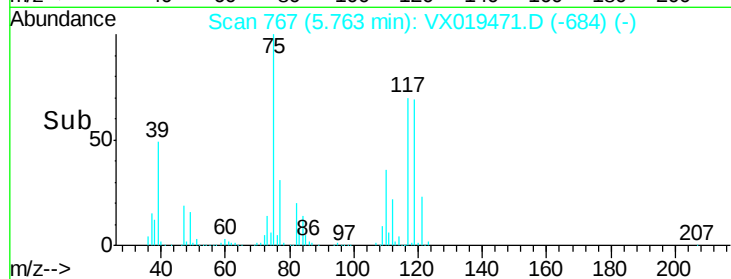
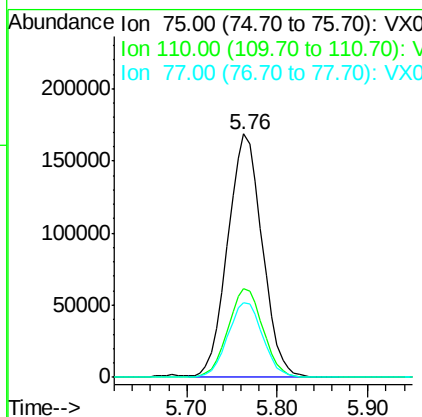
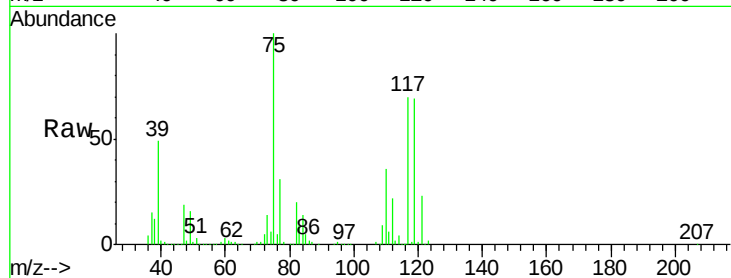




#29
 1,1-Dichloropropene
 Concen: 110.027 ug/l
 RT: 5.76 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

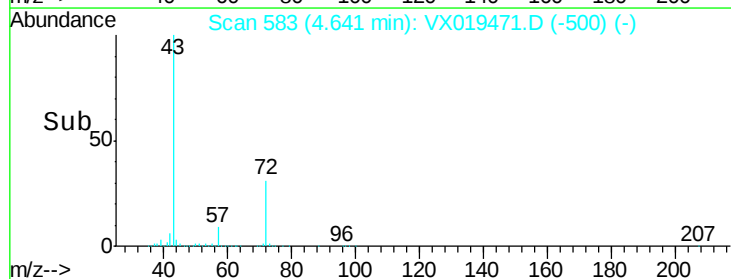
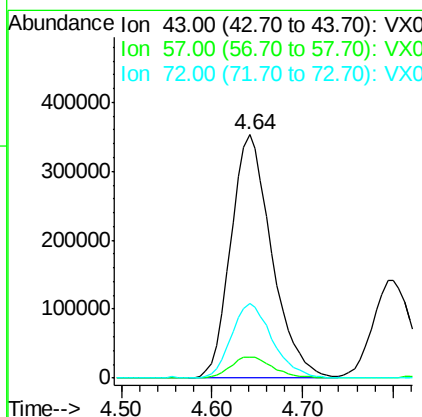
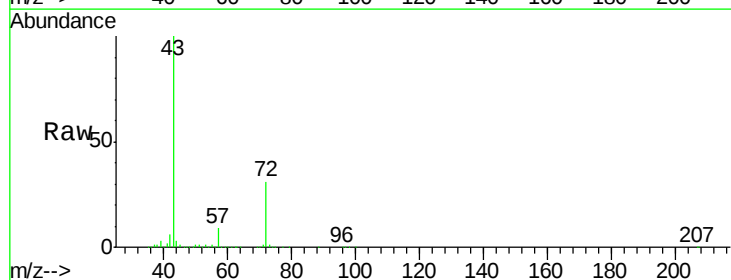
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

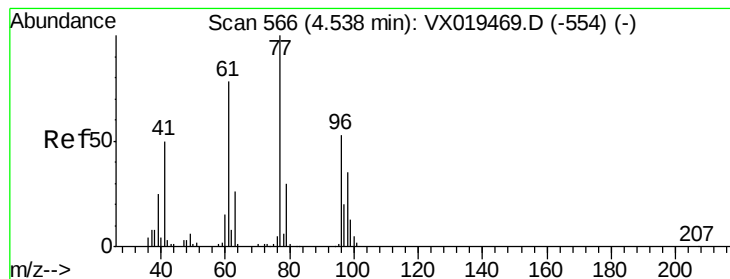
Tgt Ion: 75 Resp: 446606
 Ion Ratio Lower Upper
 75 100
 110 36.8 0.0 74.0
 77 31.3 0.0 63.6



#30
 2-Butanone
 Concen: 639.431 ug/l
 RT: 4.64 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

Tgt Ion: 43 Resp: 1101322
 Ion Ratio Lower Upper
 43 100
 57 9.1 7.4 11.0
 72 30.7 24.2 36.2





#31

2,2-Dichloropropane

Concen: 108.108 ug/l

RT: 4.54 min Scan# 567

Delta R.T. 0.01 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

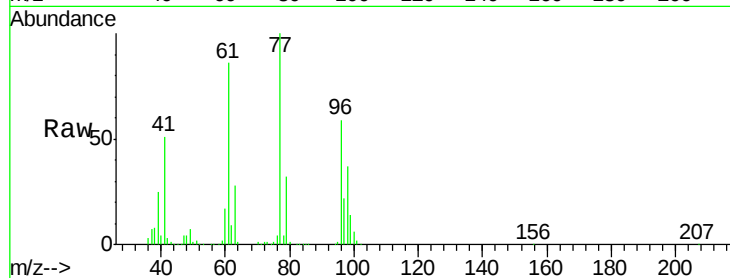
VSTDIC100

Tgt Ion: 77 Resp: 502048

Ion Ratio Lower Upper

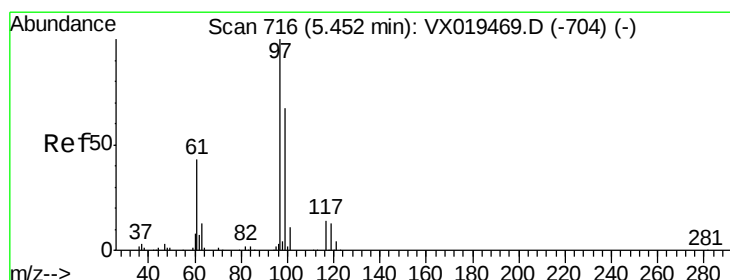
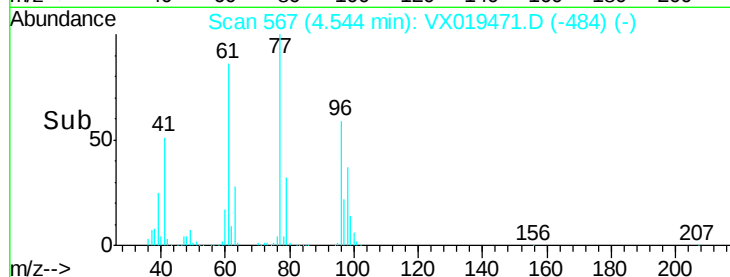
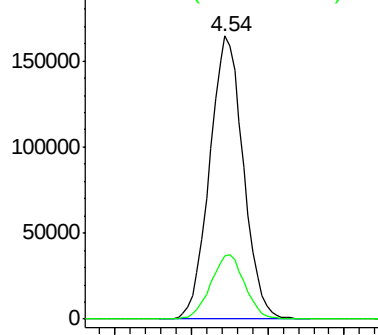
77 100

97 23.1 18.6 27.8



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 106.023 ug/l

RT: 5.46 min Scan# 717

Delta R.T. 0.01 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

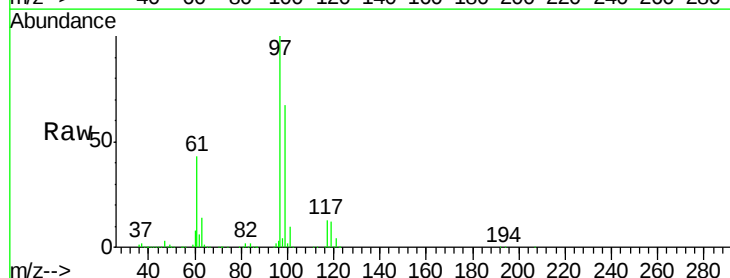
Tgt Ion: 97 Resp: 516239

Ion Ratio Lower Upper

97 100

99 65.1 52.3 78.5

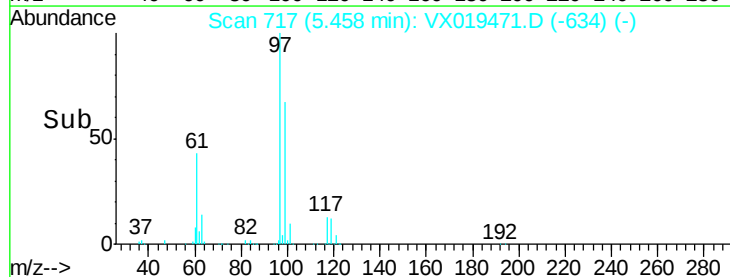
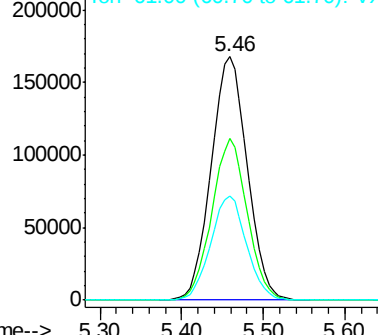
61 42.6 34.9 52.3

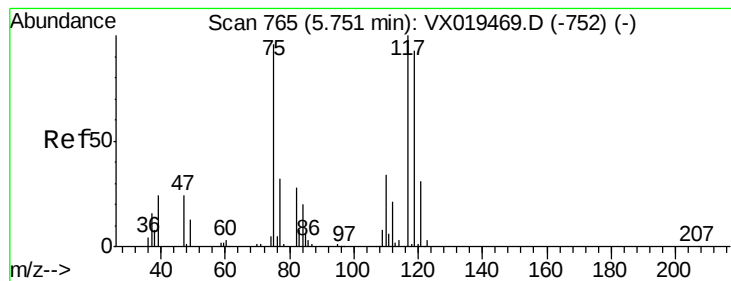


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#33

Carbon Tetrachloride

Concen: 106.402 ug/l

RT: 5.75 min Scan# 765

Delta R.T. 0.00 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

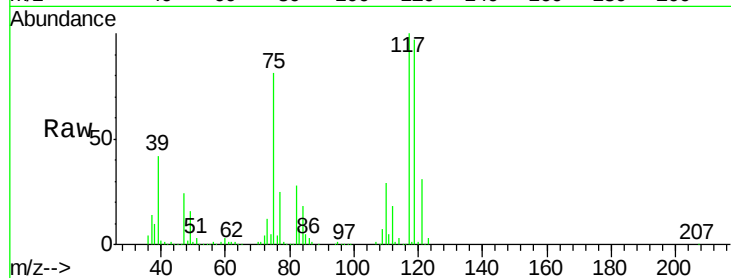
Tgt Ion:117 Resp: 448343

Ion Ratio Lower Upper

117 100

119 96.7 74.2 111.4

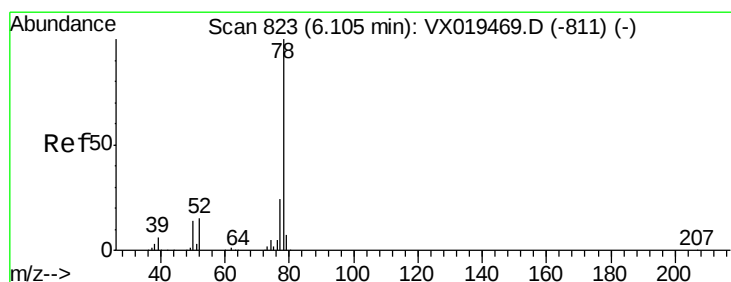
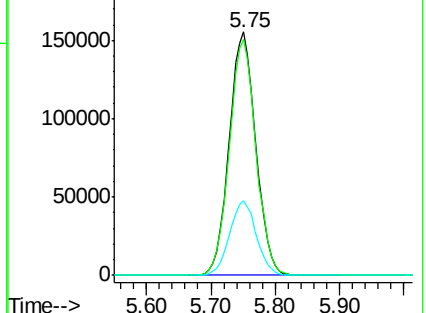
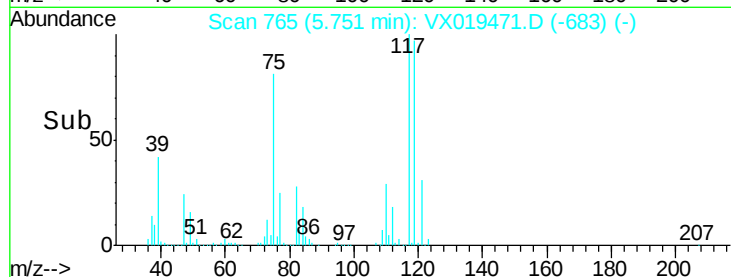
121 30.6 25.0 37.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 111.461 ug/l

RT: 6.11 min Scan# 824

Delta R.T. 0.01 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

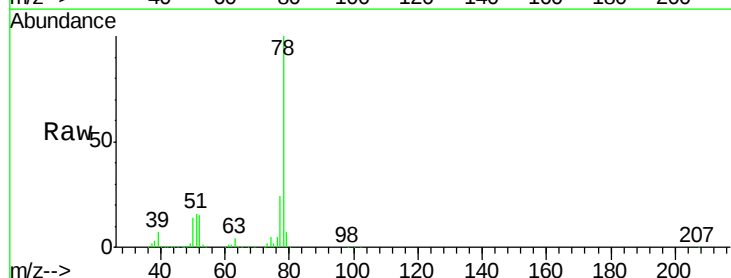
Tgt Ion: 78 Resp: 1354025

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.6

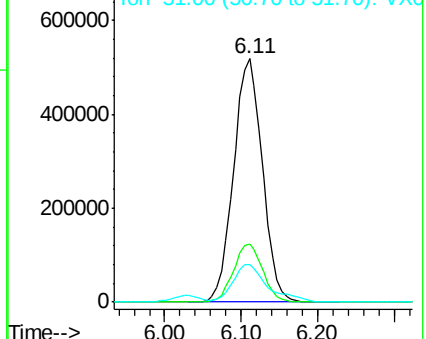
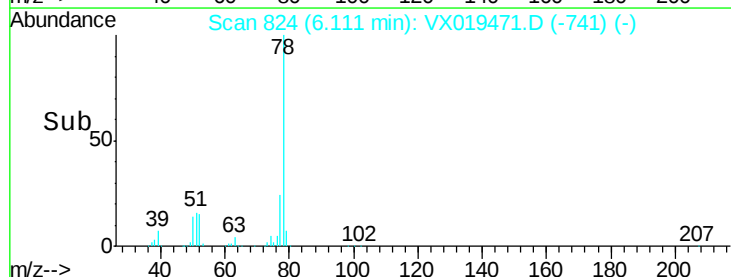
51 15.5 12.7 19.1

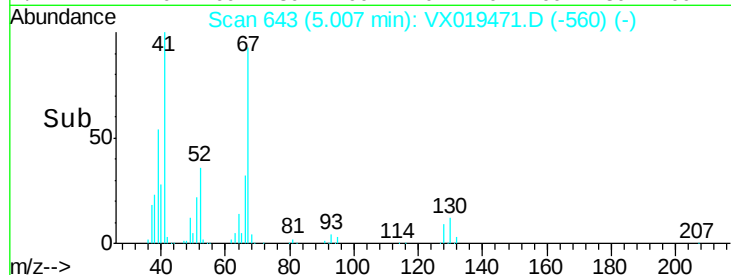
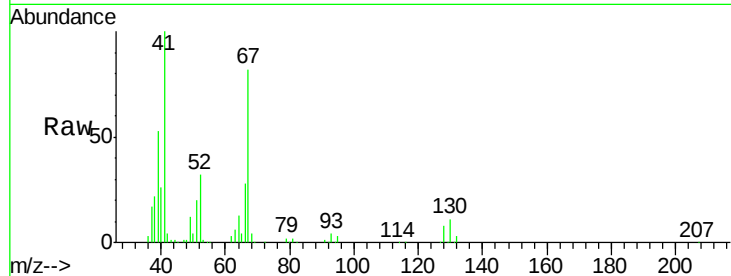
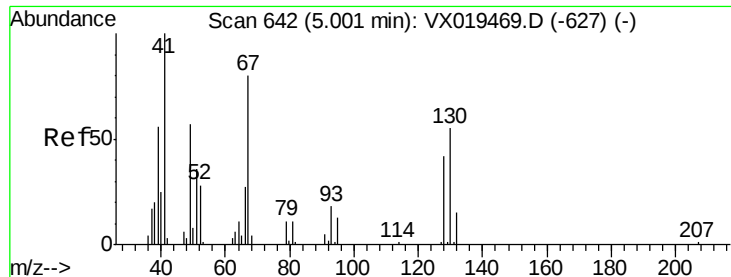


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

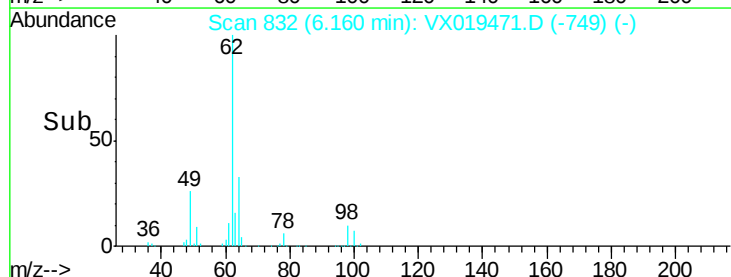
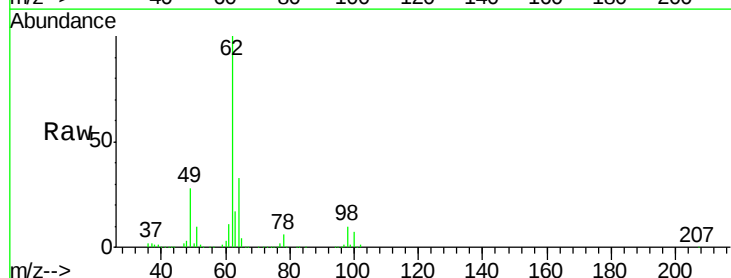
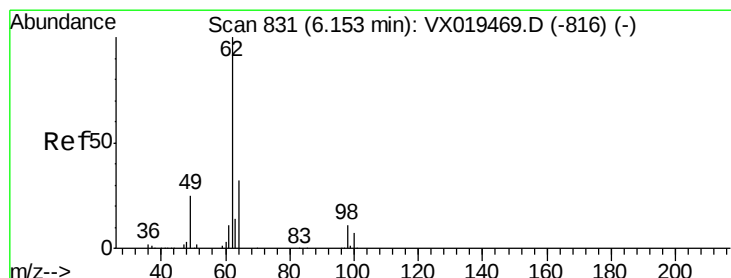
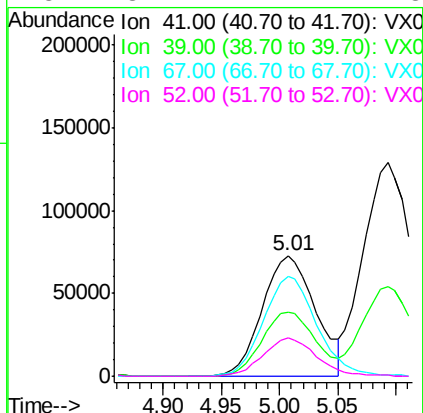




#35
Methacrylonitrile
Concen: 126.793 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX019471.D
Acq: 19 Nov 2020 17:22

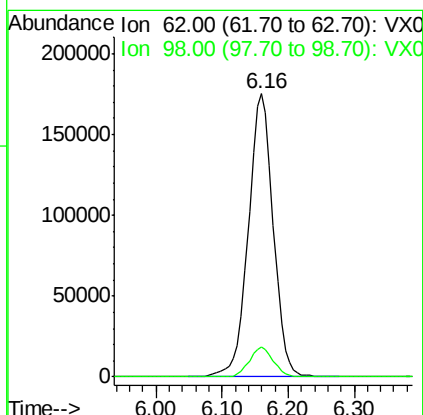
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

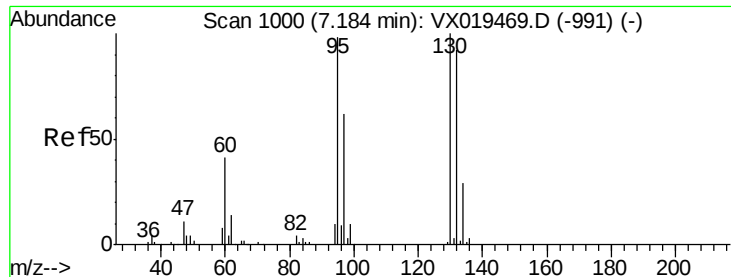
Tgt Ion:	41	Resp:	230450
Ion	Ratio	Lower	Upper
41	100		
39	53.1	28.0	84.0
67	82.6	40.0	119.9
52	31.7	14.2	42.8



#36
1,2-Dichloroethane
Concen: 110.179 ug/l
RT: 6.16 min Scan# 832
Delta R.T. 0.01 min
Lab File: VX019471.D
Acq: 19 Nov 2020 17:22

Tgt Ion:	62	Resp:	460605
Ion	Ratio	Lower	Upper
62	100		
98	10.1	8.1	12.1

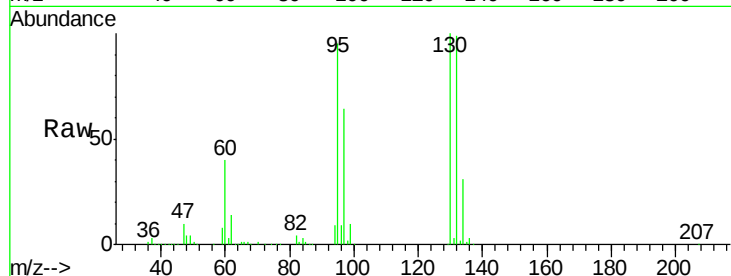




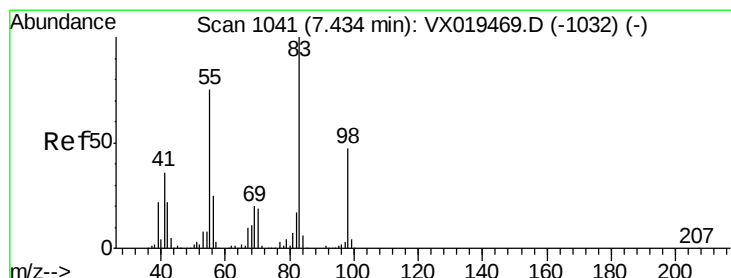
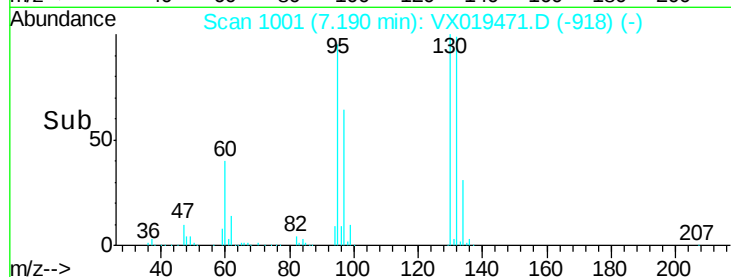
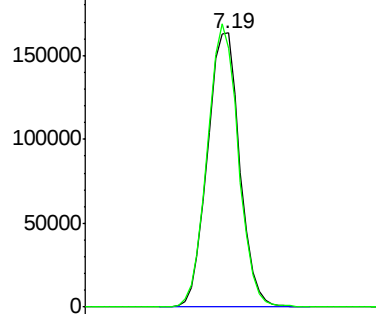
#37
 Trichloroethene
 Concen: 104.323 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tgt Ion:130 Resp: 358830
 Ion Ratio Lower Upper
 130 100
 95 94.6 78.8 118.2

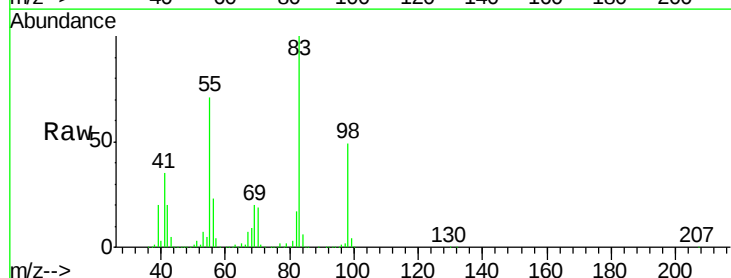


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

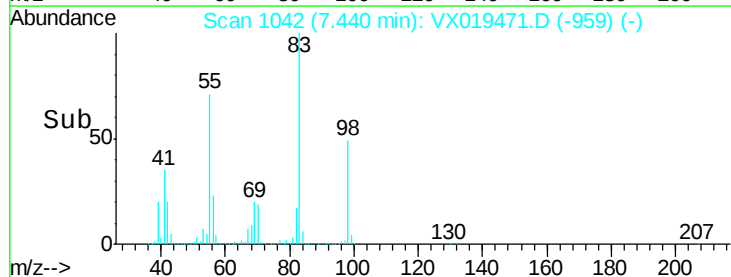
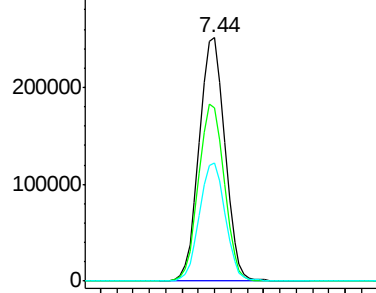


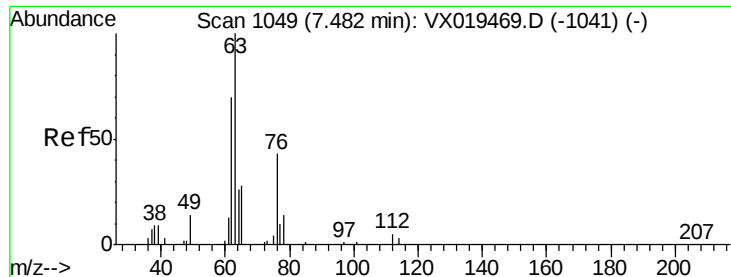
#38
 Methylcyclohexane
 Concen: 118.661 ug/l
 RT: 7.44 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

Tgt Ion: 83 Resp: 549098
 Ion Ratio Lower Upper
 83 100
 55 72.9 37.7 113.1
 98 48.8 24.7 74.1



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 117.864 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

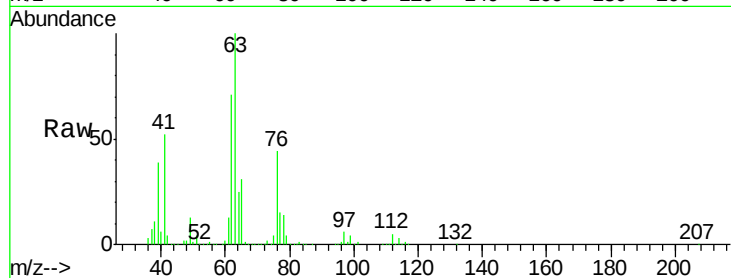
VSTDIC100

Tgt Ion: 63 Resp: 338912

Ion Ratio Lower Upper

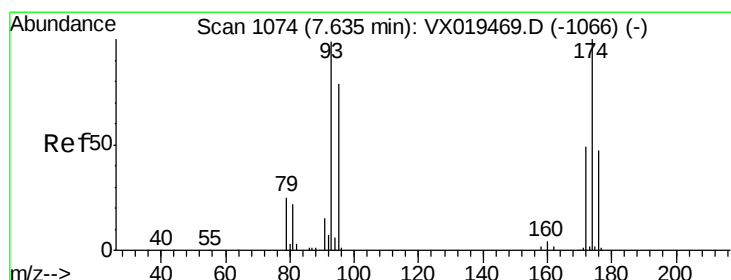
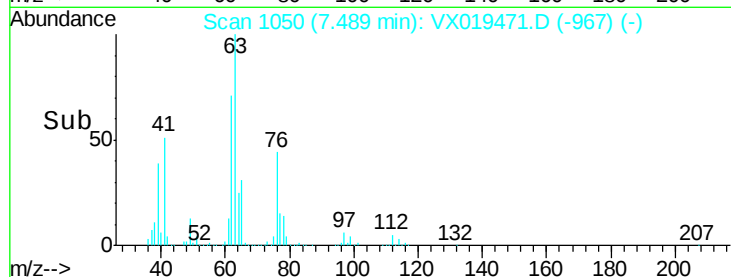
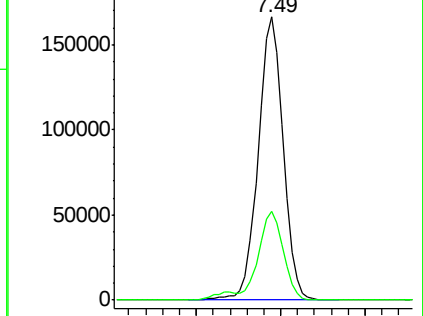
63 100

65 31.4 24.8 37.2



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 106.761 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

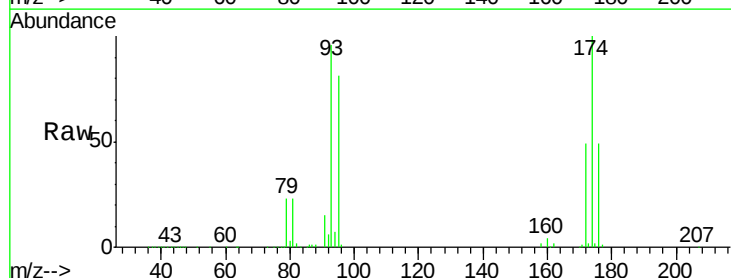
Tgt Ion: 93 Resp: 232982

Ion Ratio Lower Upper

93 100

95 82.9 0.0 162.4

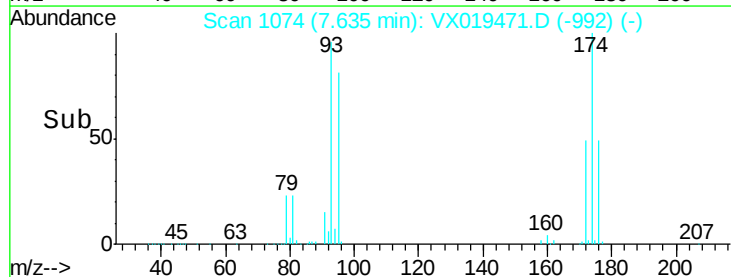
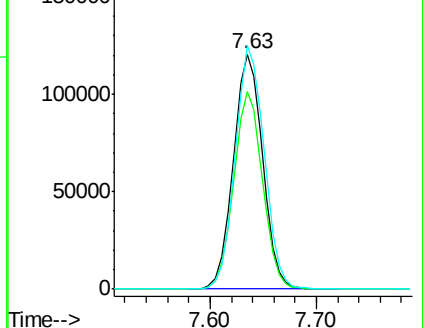
174 102.9 0.0 198.8

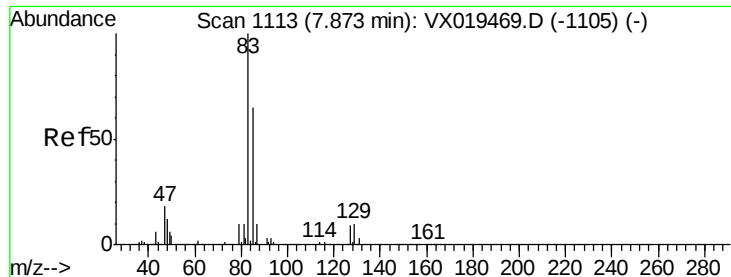


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 110.527 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

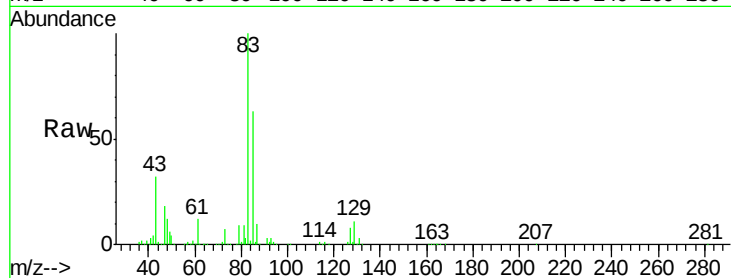
Tgt Ion: 83 Resp: 473090

Ion Ratio Lower Upper

83 100

85 63.0 51.7 77.5

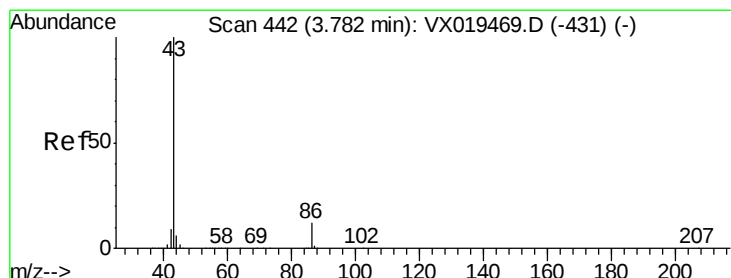
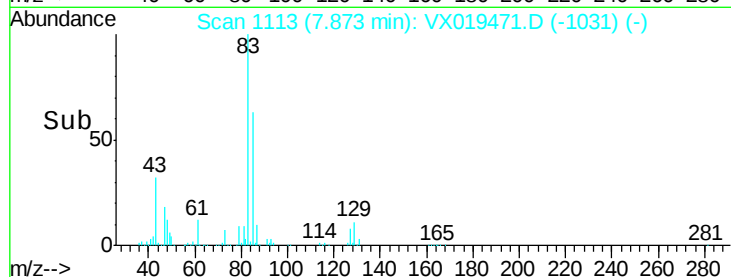
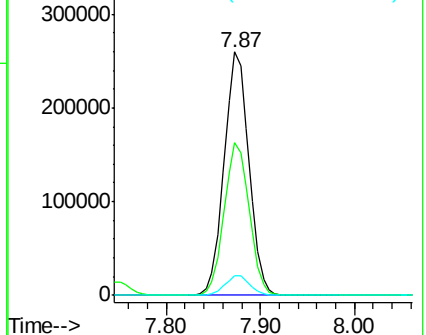
127 8.1 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 633.681 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.01 min

Lab File: VX019471.D

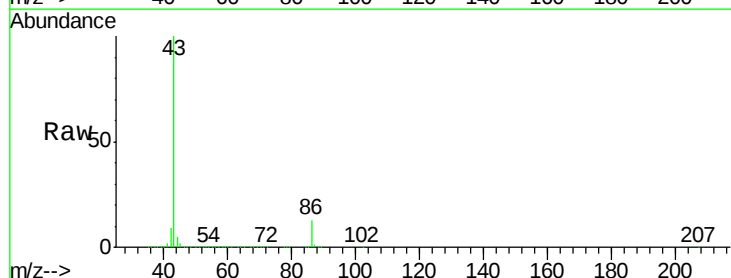
Acq: 19 Nov 2020 17:22

Tgt Ion: 43 Resp: 4125369

Ion Ratio Lower Upper

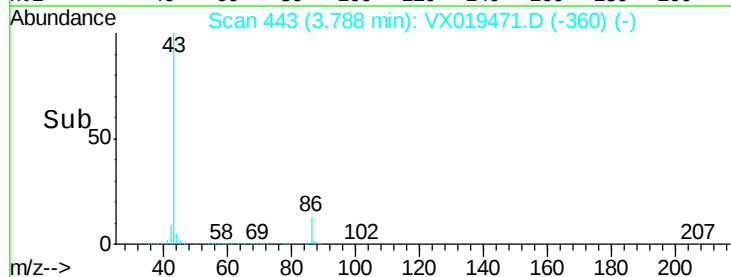
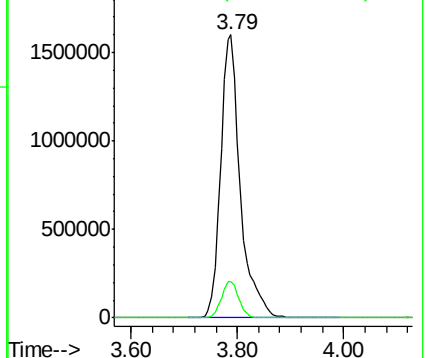
43 100

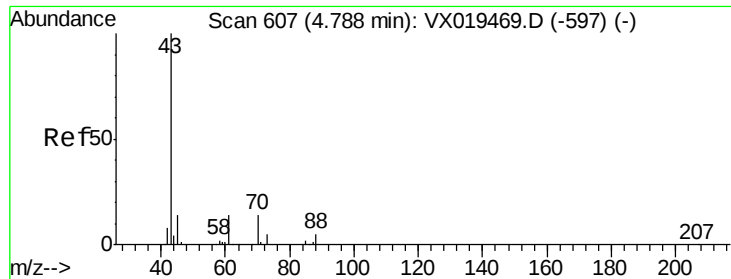
86 11.4 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

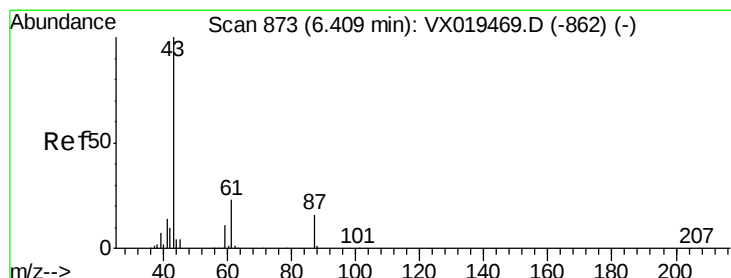
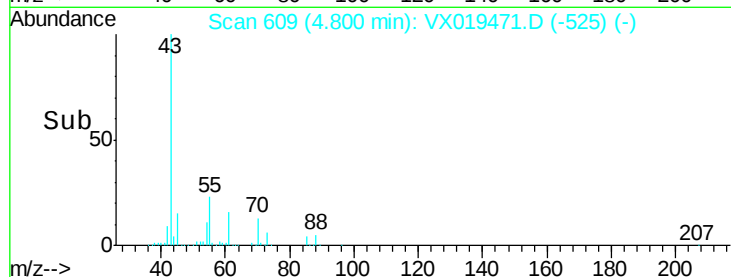
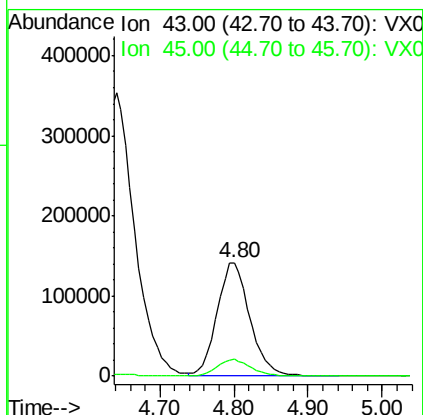
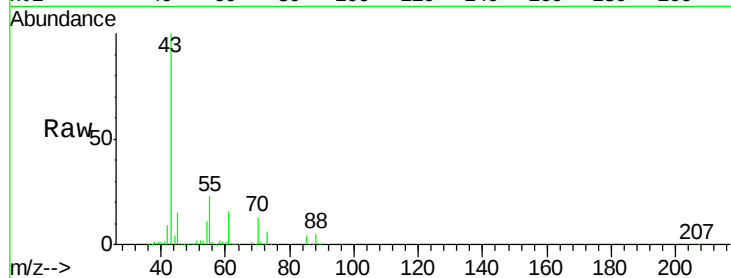




#43
Ethyl Acetate
Concen: 123.417 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX019471.D
Acq: 19 Nov 2020 17:22

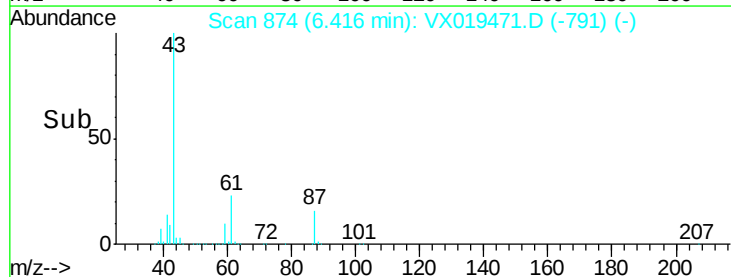
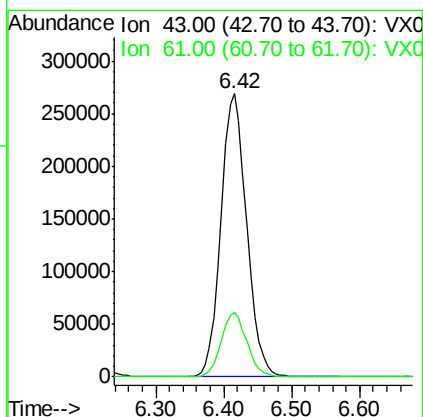
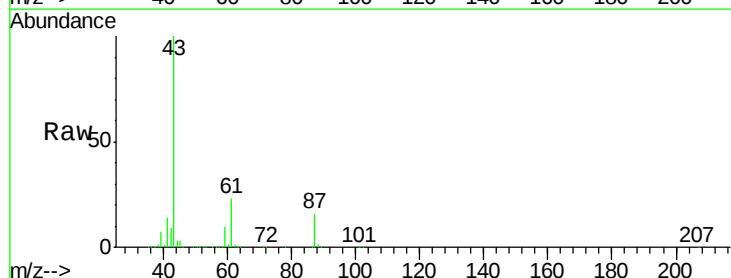
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

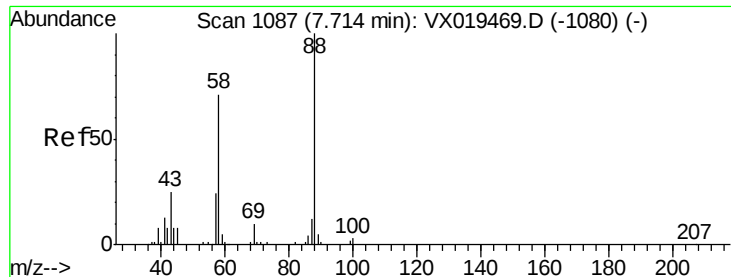
Tgt Ion: 43 Resp: 433526
Ion Ratio Lower Upper
43 100
45 15.1 12.9 19.3



#44
Isopropyl Acetate
Concen: 120.065 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.01 min
Lab File: VX019471.D
Acq: 19 Nov 2020 17:22

Tgt Ion: 43 Resp: 702606
Ion Ratio Lower Upper
43 100
61 22.9 18.1 27.1





#45

1,4-Dioxane

Concen: 2512.044 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

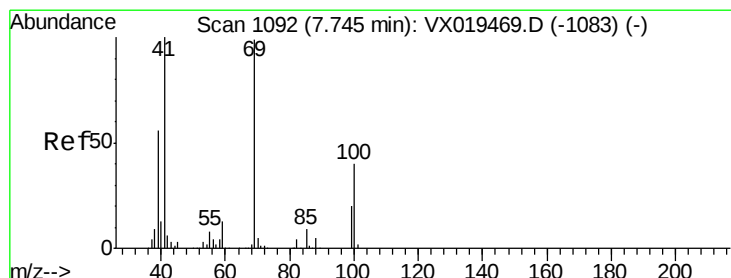
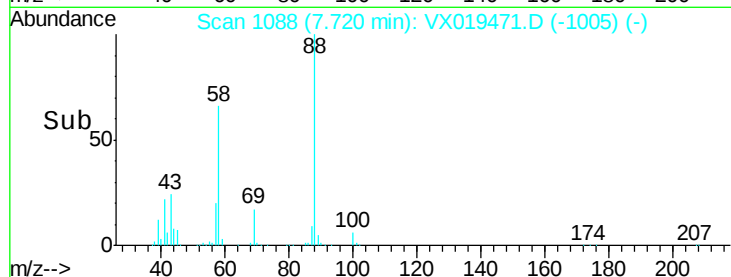
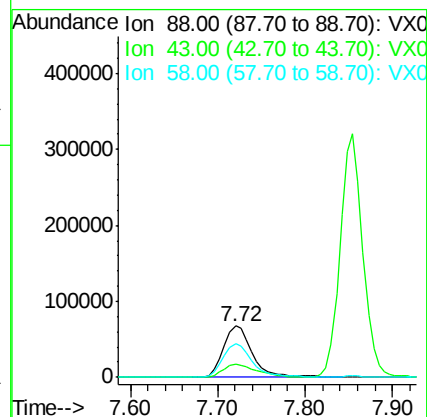
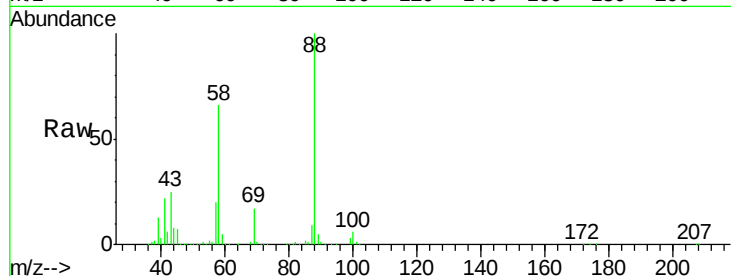
Tgt Ion: 88 Resp: 156265

Ion Ratio Lower Upper

88 100

43 28.7 24.2 36.4

58 67.4 56.6 84.8



#46

Methyl methacrylate

Concen: 125.442 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

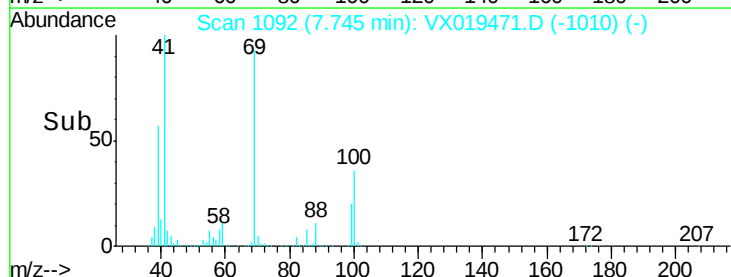
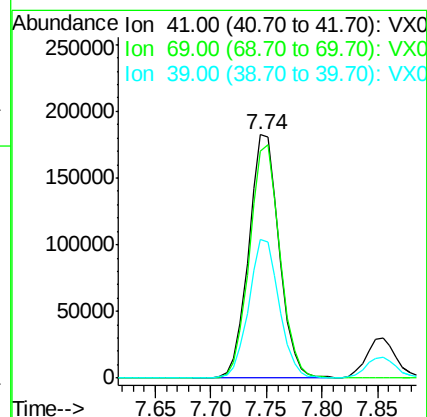
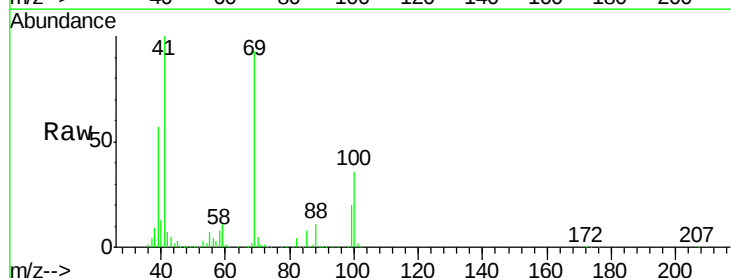
Tgt Ion: 41 Resp: 347905

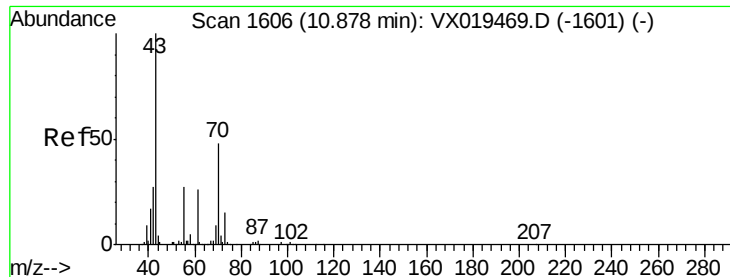
Ion Ratio Lower Upper

41 100

69 93.2 49.7 149.1

39 56.8 28.1 84.4





#47

n-amy1 Acetate

Concen: 129.486 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

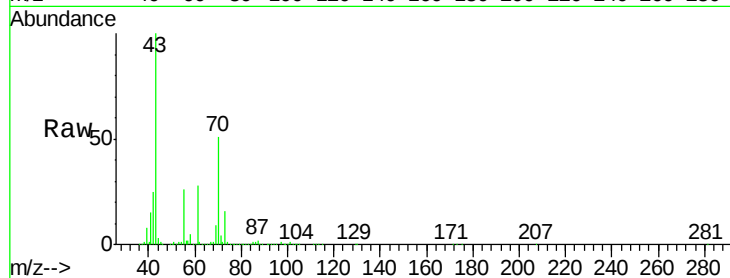
VSTDIC100

Tgt Ion: 43 Resp: 610514

Ion Ratio Lower Upper

43 100

55 26.8 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

600000

500000

400000

300000

200000

100000

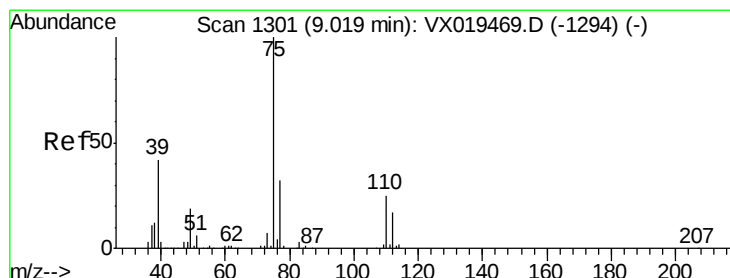
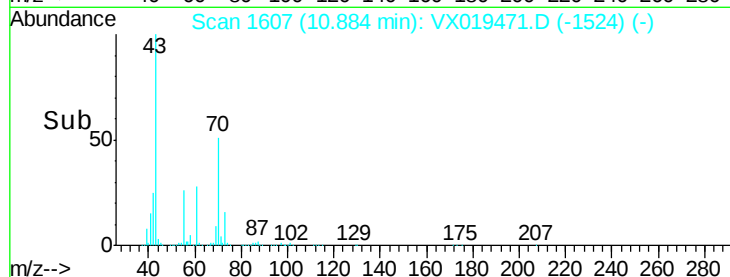
0

10.80

10.90

11.00

Time-->



#48

t-1,3-Dichloropropene

Concen: 108.585 ug/l

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX019471.D

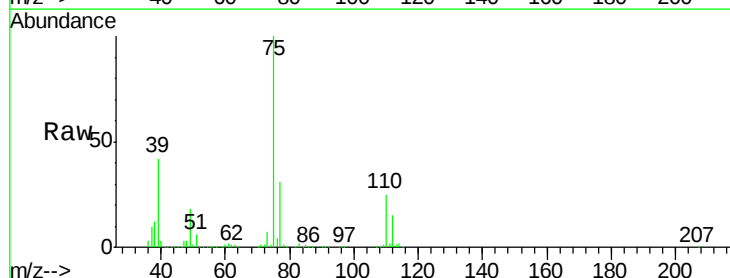
Acq: 19 Nov 2020 17:22

Tgt Ion: 75 Resp: 516782

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

400000

300000

200000

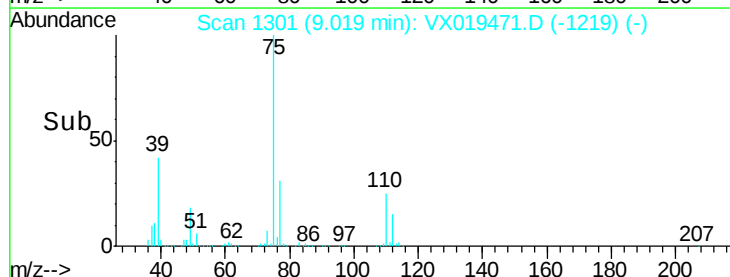
100000

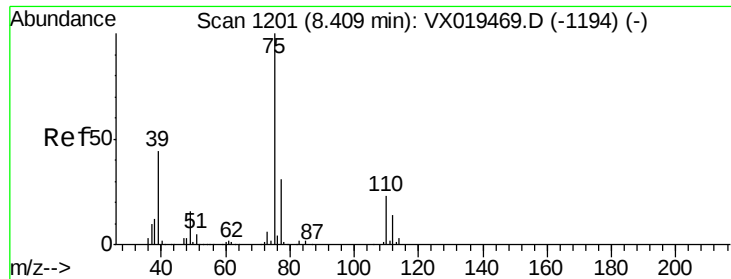
0

9.00

9.10

Time-->



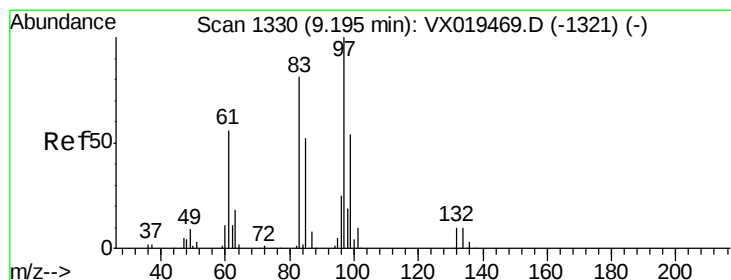
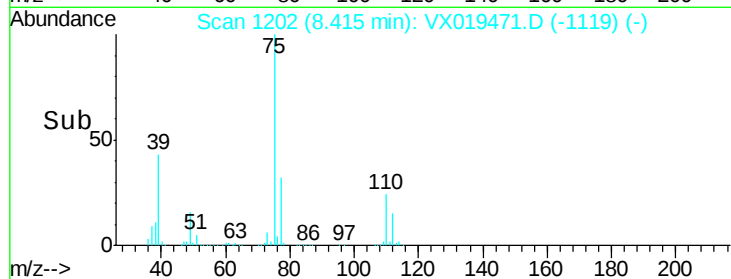
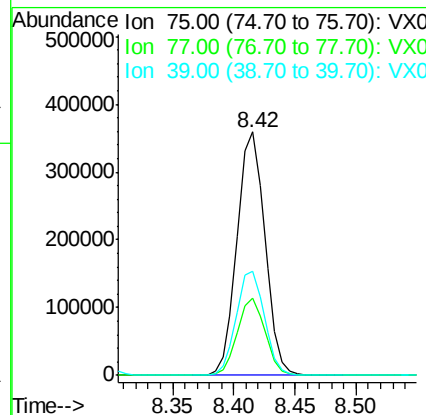
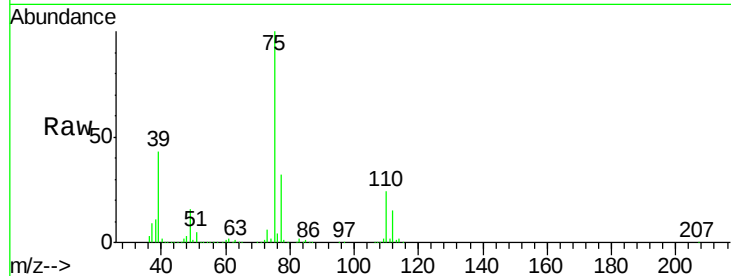


#49

cis-1,3-Dichloropropene
 Concen: 111.481 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

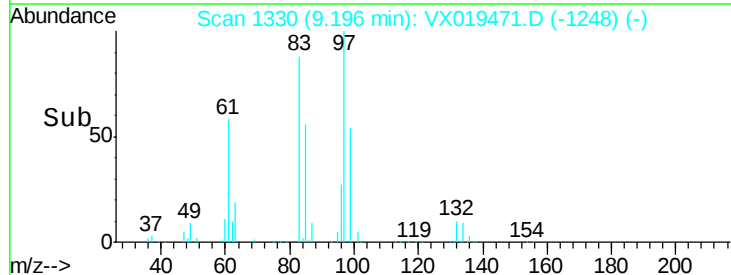
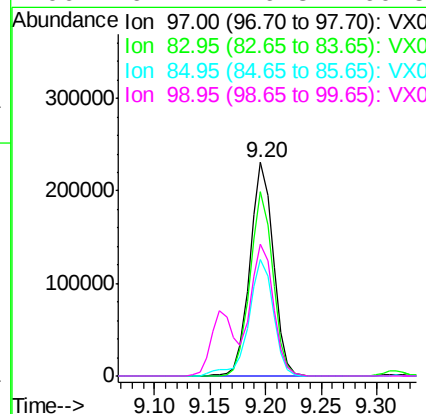
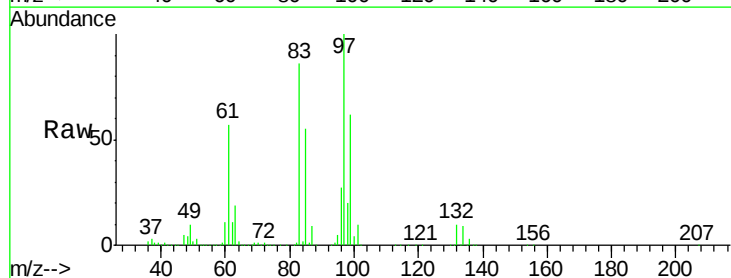
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.7	37.1
39	42.6	35.3	52.9

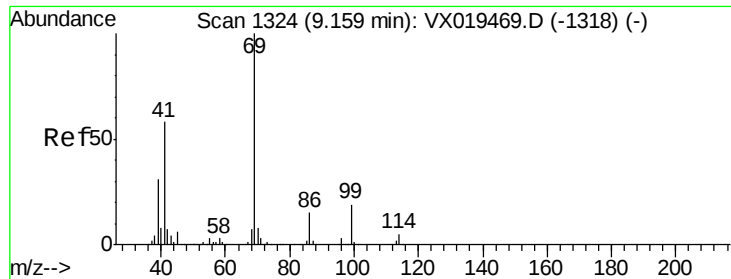


#50

1,1,2-Trichloroethane
 Concen: 105.491 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.0	64.8	97.2
85	54.6	41.8	62.8
99	61.7	46.3	69.5





#51

Ethyl methacrylate

Concen: 112.366 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

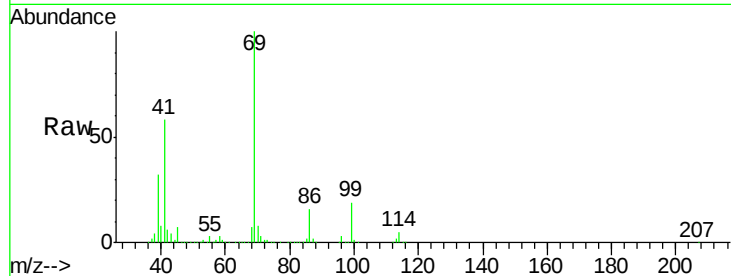
Tgt Ion: 69 Resp: 514609

Ion Ratio Lower Upper

69 100

41 57.9 29.0 87.1

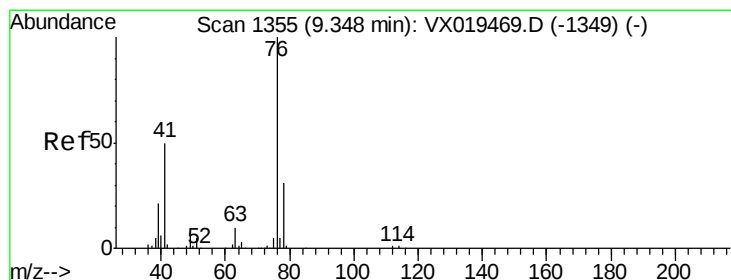
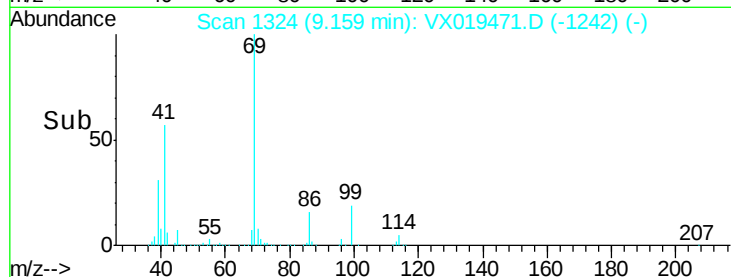
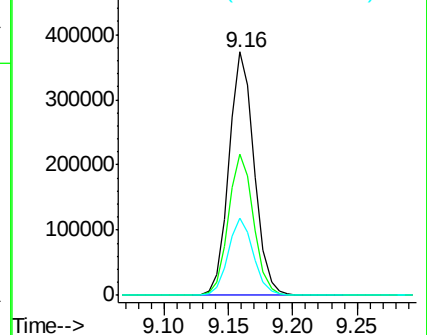
39 31.8 15.4 46.4



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 109.767 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.01 min

Lab File: VX019471.D

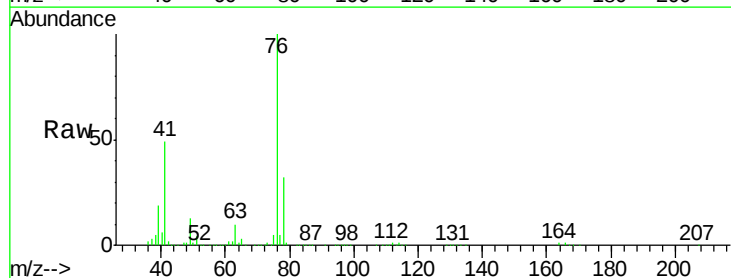
Acq: 19 Nov 2020 17:22

Tgt Ion: 76 Resp: 571080

Ion Ratio Lower Upper

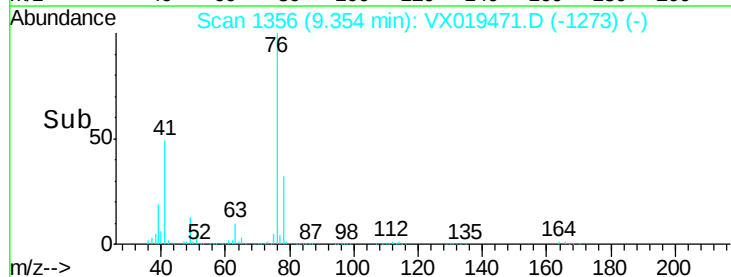
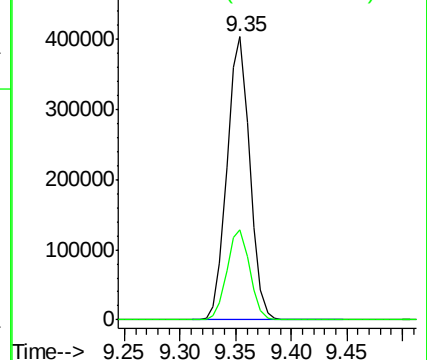
76 100

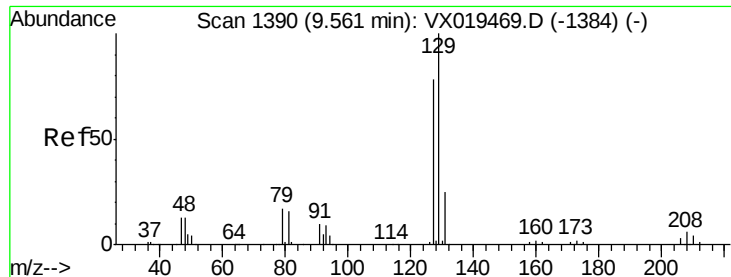
78 32.1 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

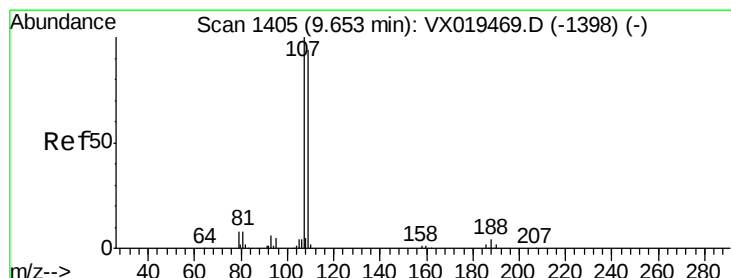
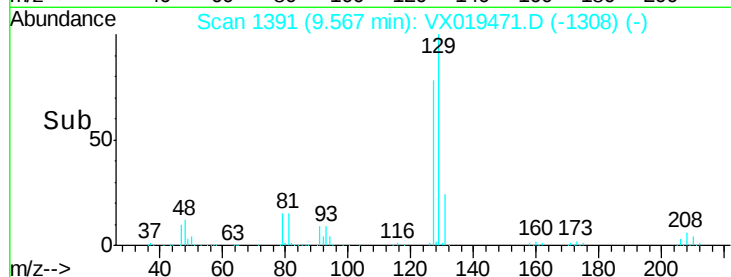
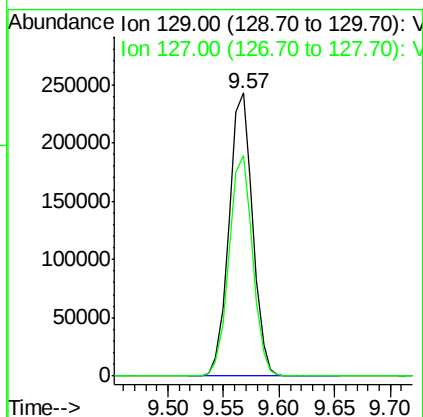
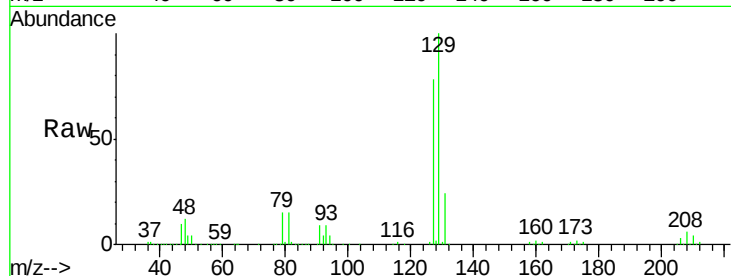




#53
 Dibromochloromethane
 Concen: 102.411 ug/l
 RT: 9.57 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

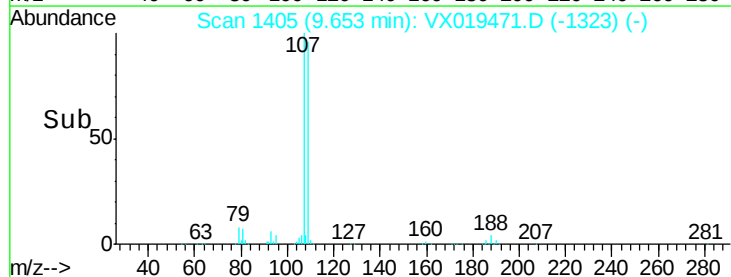
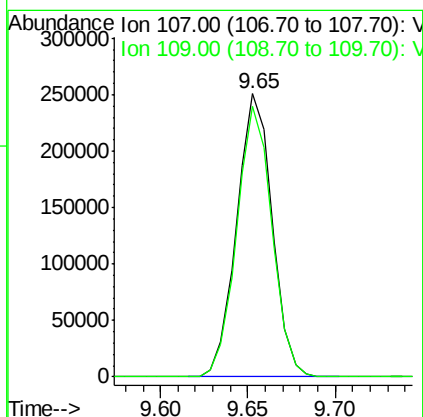
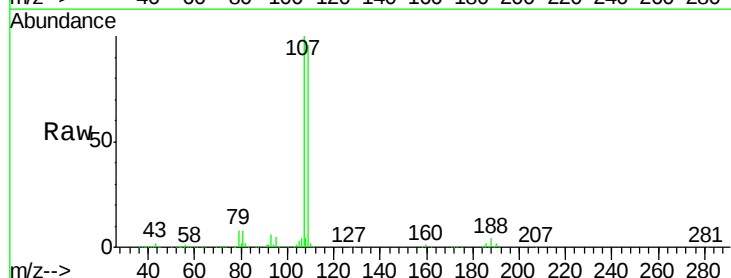
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

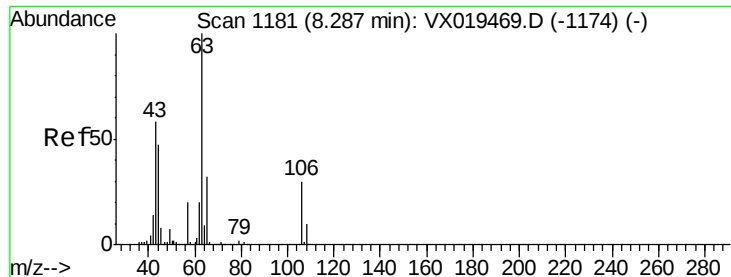
Tgt Ion:129 Resp: 355711
 Ion Ratio Lower Upper
 129 100
 127 78.0 38.0 114.1



#54
 1,2-Dibromoethane
 Concen: 103.027 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

Tgt Ion:107 Resp: 352999
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.2 111.4

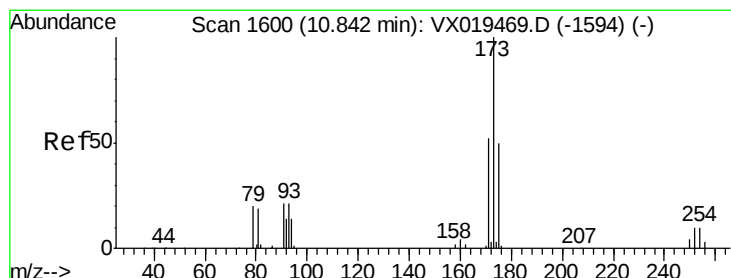
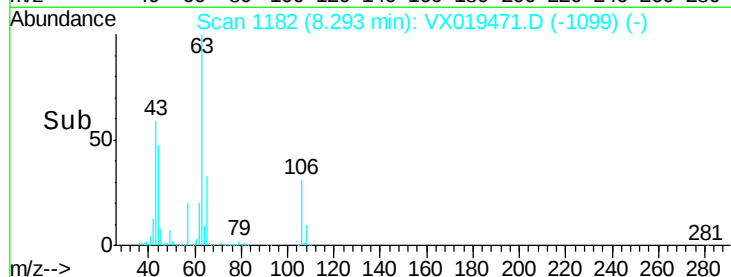
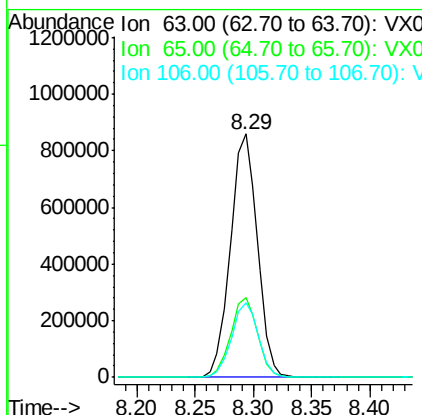
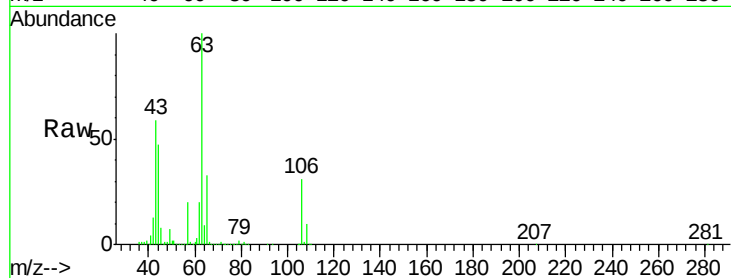




#55
 2-Chloroethyl vinyl ether
 Concen: 572.672 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

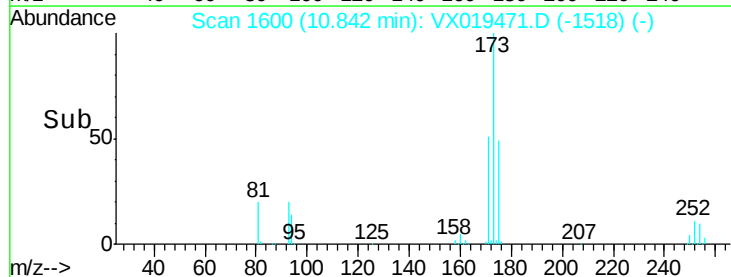
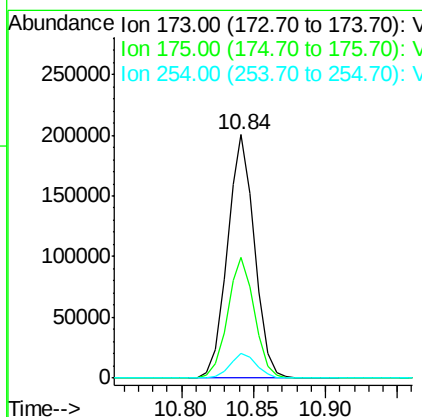
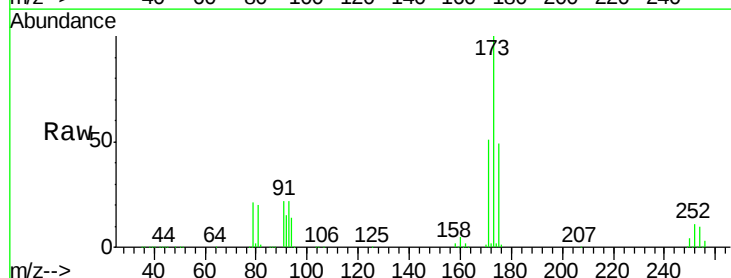
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

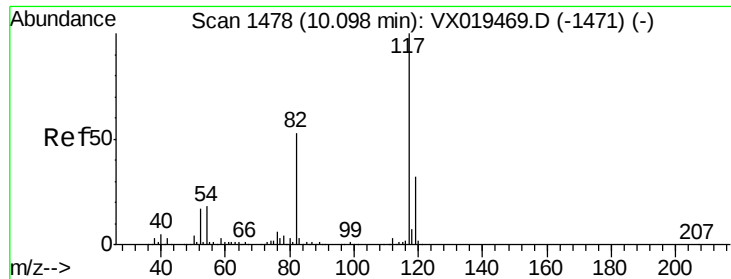
Tgt Ion: 63 Resp: 1386349
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.7 38.5
 106 30.3 24.2 36.4



#56
 Bromoform
 Concen: 108.399 ug/l
 RT: 10.84 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

Tgt Ion: 173 Resp: 262841
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.7 59.5
 254 10.2 8.0 12.0

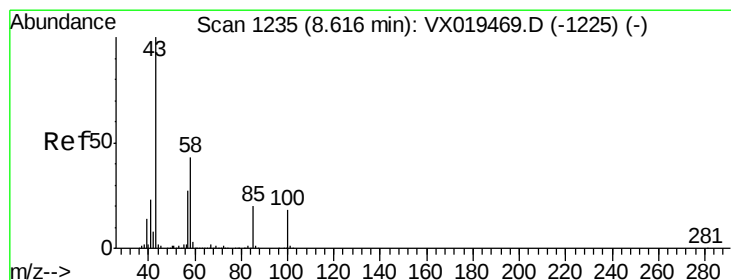
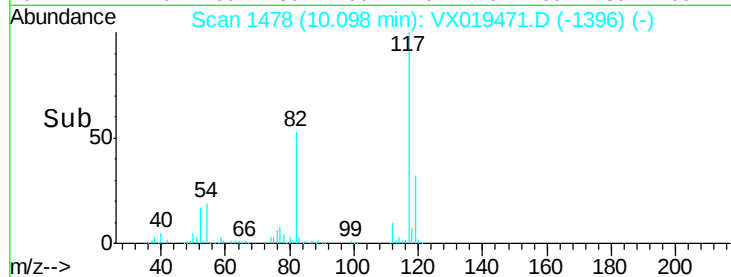
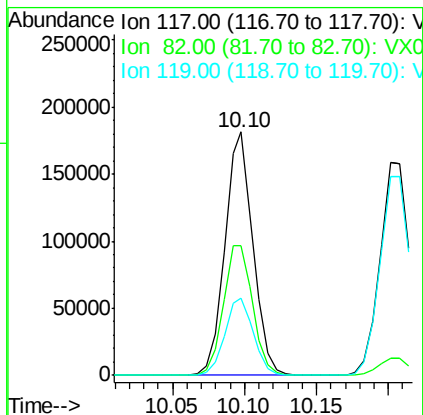
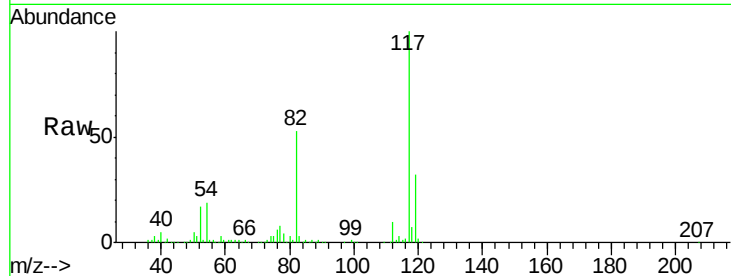




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019471.D
Acq: 19 Nov 2020 17:22

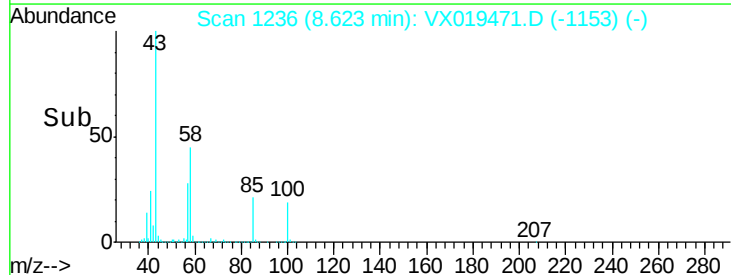
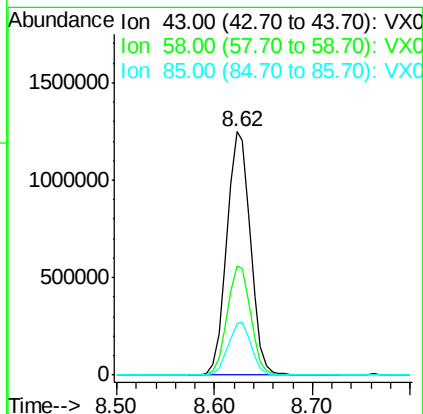
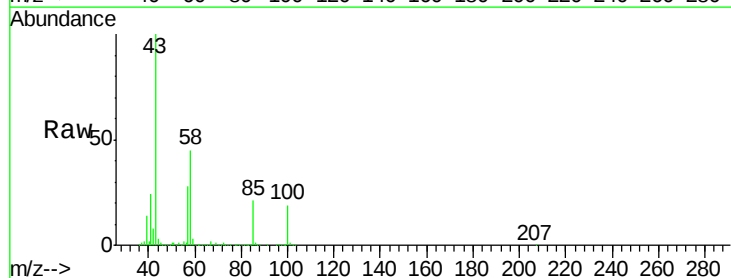
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

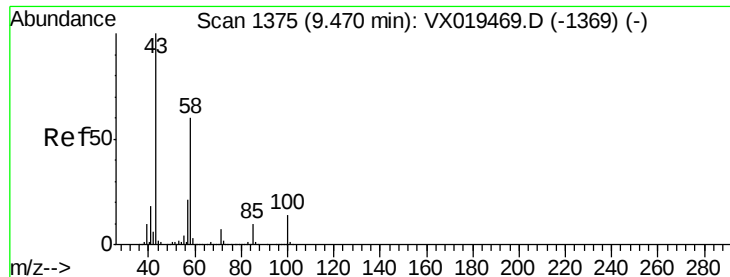
Tgt Ion: 117 Resp: 246718
Ion Ratio Lower Upper
117 100
82 55.9 44.5 66.7
119 32.3 25.9 38.9



#58
4-Methyl-2-Pentanone
Concen: 629.341 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VX019471.D
Acq: 19 Nov 2020 17:22

Tgt Ion: 43 Resp: 2092204
Ion Ratio Lower Upper
43 100
58 44.5 35.1 52.7
85 21.3 16.7 25.1

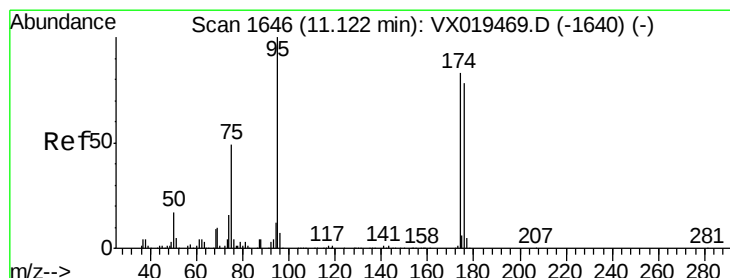
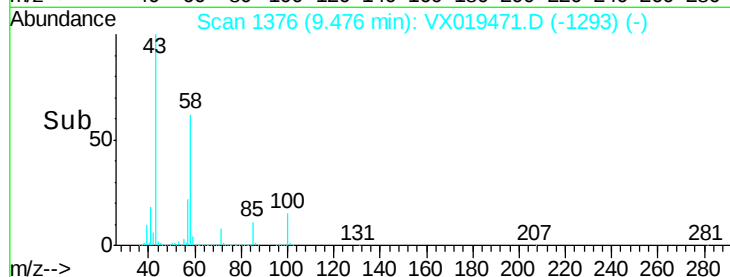
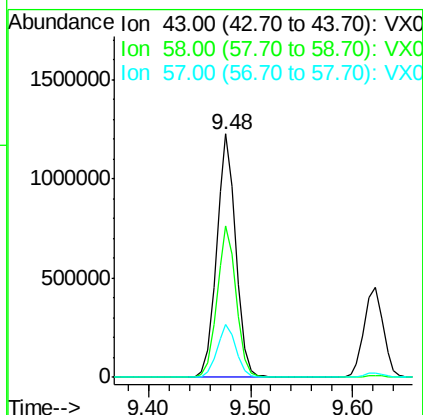
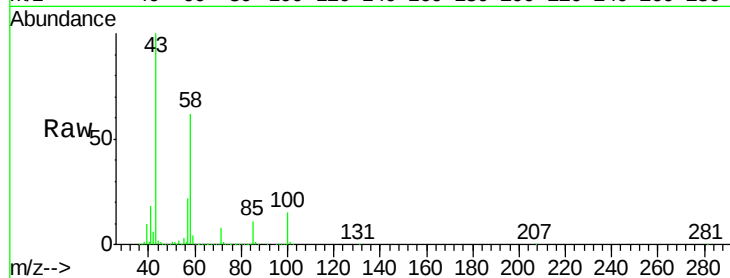




#59
2-Hexanone
Concen: 650.049 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019471.D
Acq: 19 Nov 2020 17:22

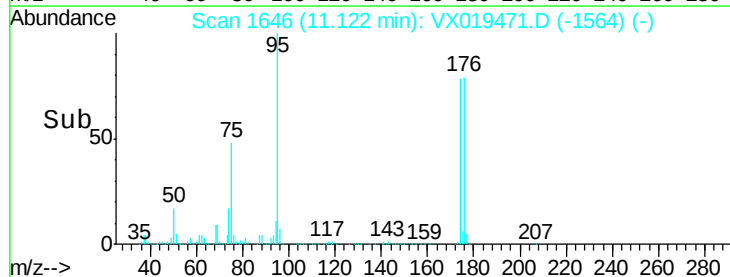
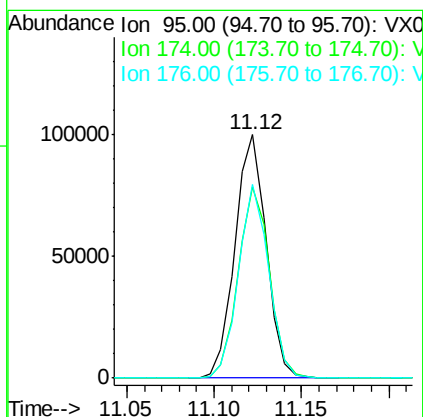
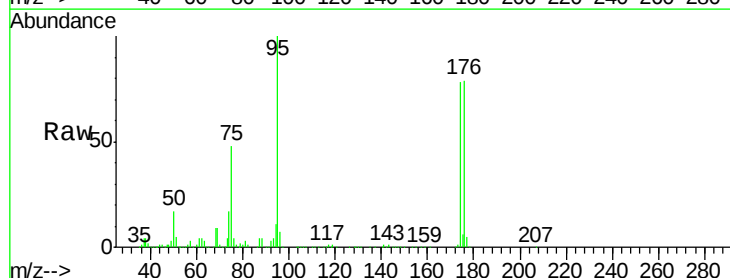
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

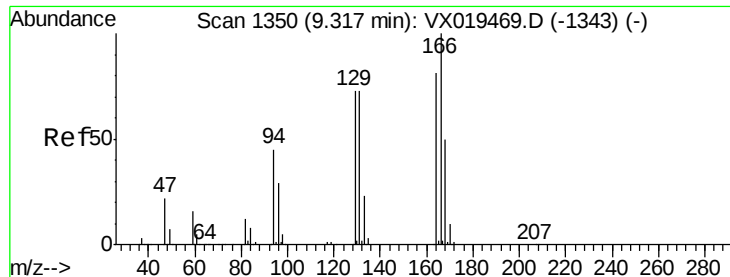
Tgt Ion: 43 Resp: 1616668
Ion Ratio Lower Upper
43 100
58 62.1 49.0 73.6
57 21.4 17.0 25.4



#60
4-Bromofluorobenzene
Concen: 32.871 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019471.D
Acq: 19 Nov 2020 17:22

Tgt Ion: 95 Resp: 123845
Ion Ratio Lower Upper
95 100
174 78.6 63.5 95.3
176 76.9 59.8 89.6





#61

Tetrachloroethene

Concen: 106.619 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:164 Resp: 328120

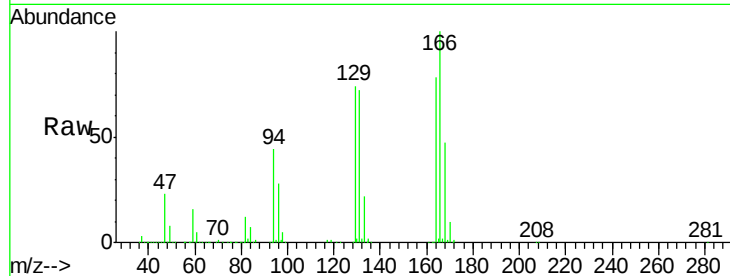
Ion Ratio Lower Upper

164 100

166 128.3 99.4 149.0

129 95.3 72.6 108.8

131 92.2 72.6 108.8

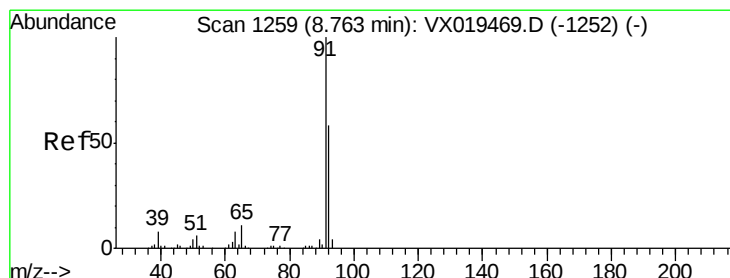
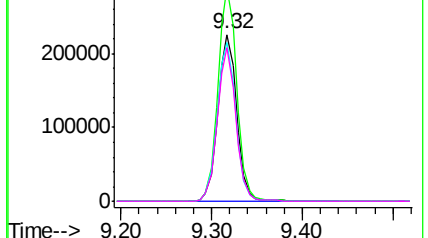
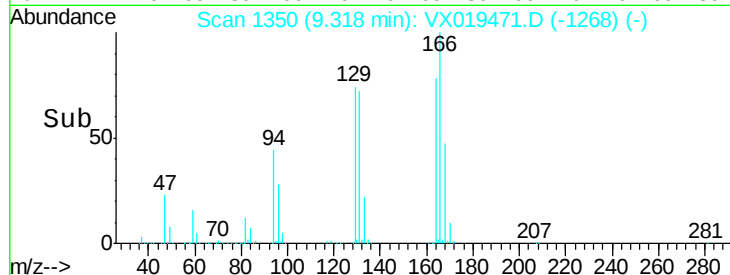


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 107.662 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019471.D

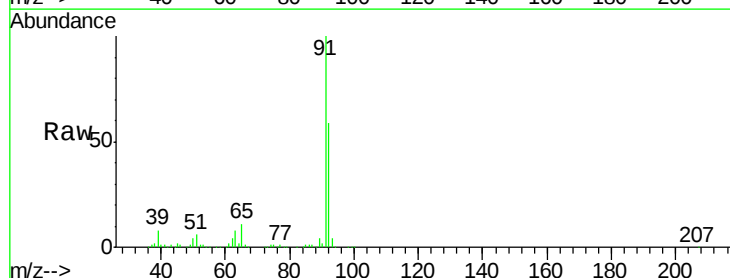
Acq: 19 Nov 2020 17:22

Tgt Ion: 91 Resp: 1442885

Ion Ratio Lower Upper

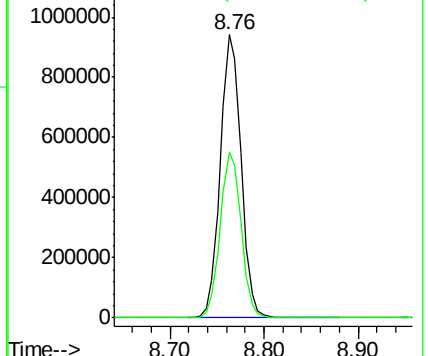
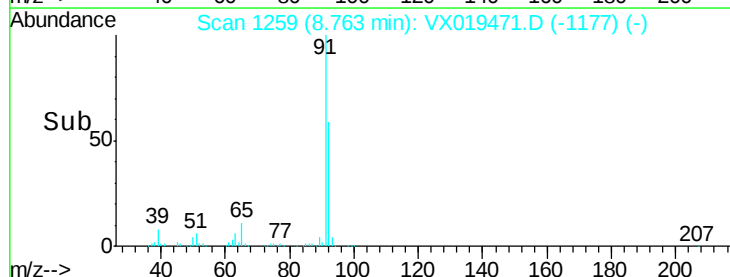
91 100

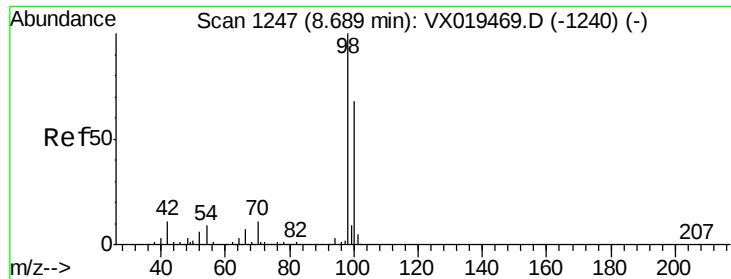
92 58.8 47.4 71.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.673 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

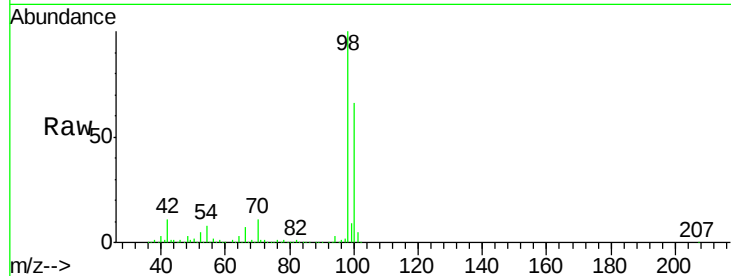
VSTDIC100

Tgt Ion: 98 Resp: 334123

Ion Ratio Lower Upper

98 100

100 67.0 53.6 80.4



Abundance Ion 98.00 (97.70 to 98.70): VX019469.D (-1240) (-)

Ion 100.00 (99.70 to 100.70): VX019469.D (-1240) (-)

250000

200000

150000

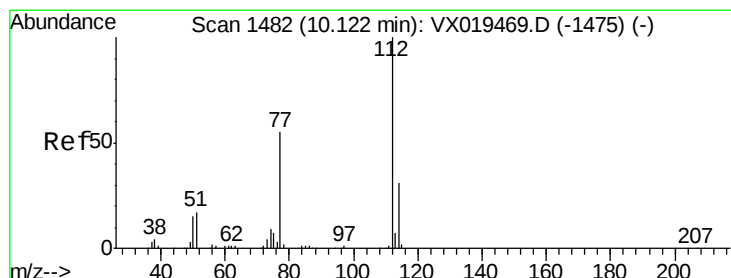
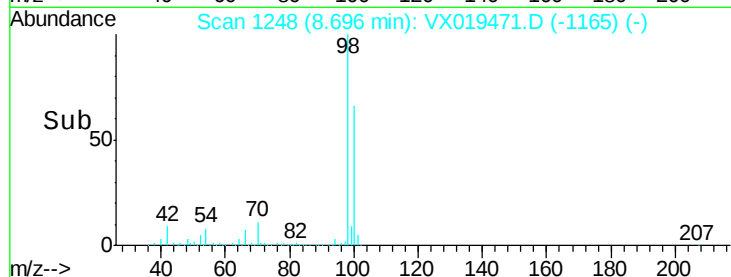
100000

50000

0

8.60 8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 104.805 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX019471.D

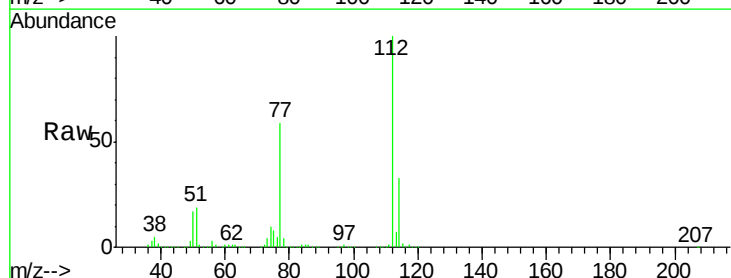
Acq: 19 Nov 2020 17:22

Tgt Ion: 112 Resp: 874965

Ion Ratio Lower Upper

112 100

114 32.7 24.8 37.2



Abundance Ion 112.00 (111.70 to 112.70): VX019469.D (-1475) (-)

Ion 114.00 (113.70 to 114.70): VX019469.D (-1475) (-)

600000

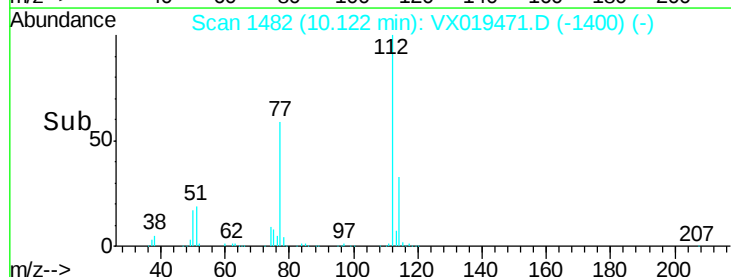
400000

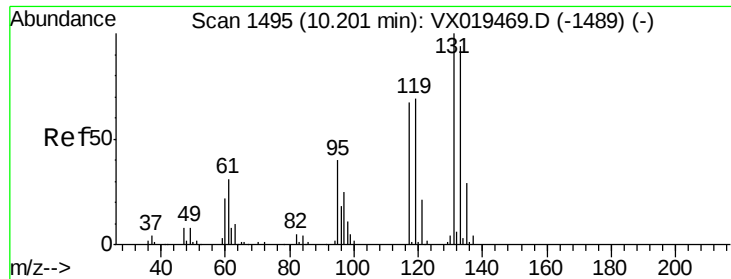
200000

0

10.00 10.10 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 108.221 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

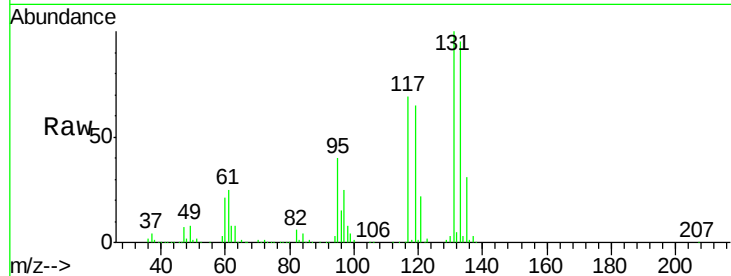
Tgt Ion:131 Resp: 328829

Ion Ratio Lower Upper

131 100

133 96.9 0.0 189.4

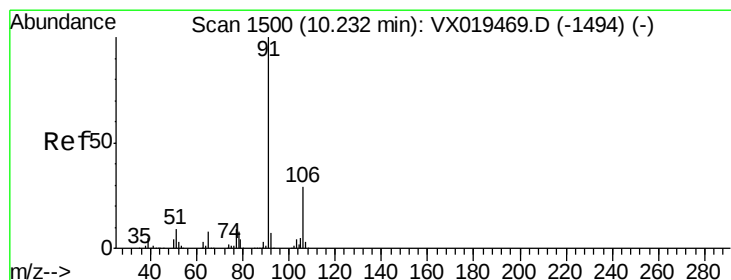
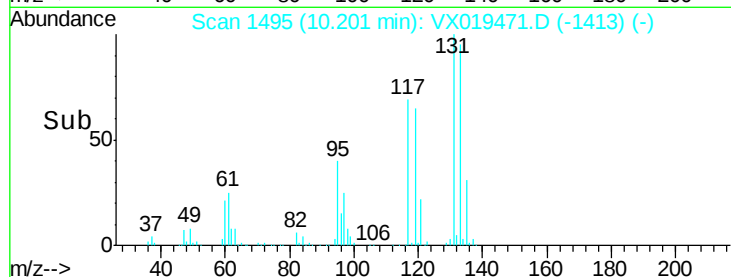
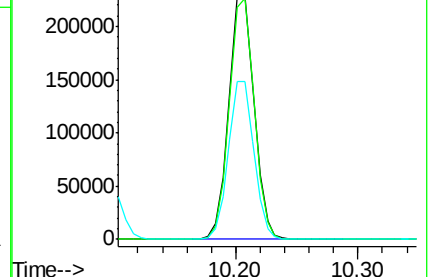
119 65.0 0.0 130.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 108.802 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX019471.D

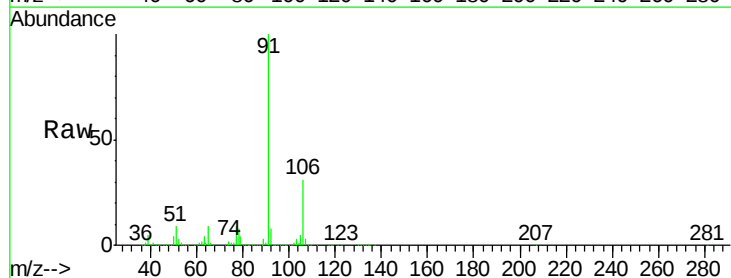
Acq: 19 Nov 2020 17:22

Tgt Ion: 91 Resp: 1602411

Ion Ratio Lower Upper

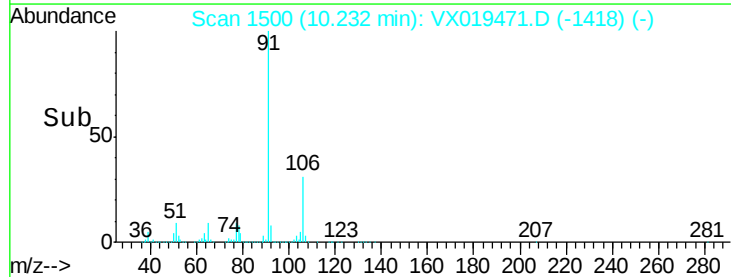
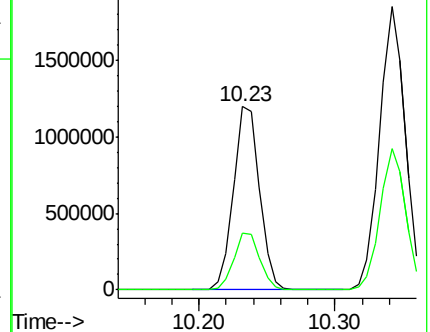
91 100

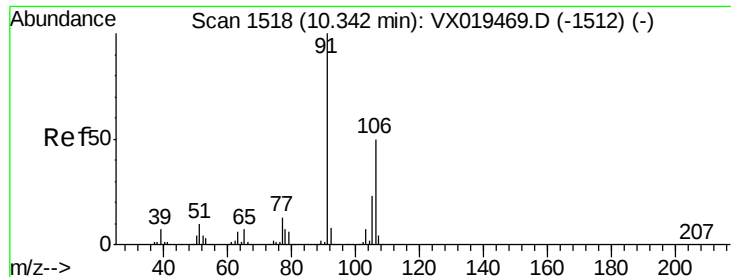
106 31.2 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 215.148 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

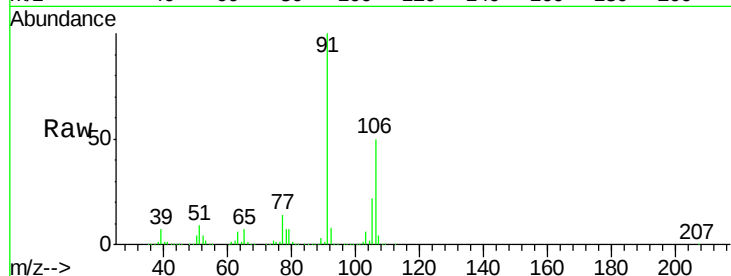
VSTDIC100

Tgt Ion:106 Resp: 1206363

Ion Ratio Lower Upper

106 100

91 201.1 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

2000000

1500000

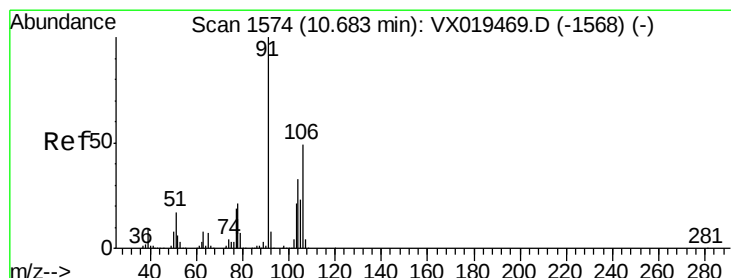
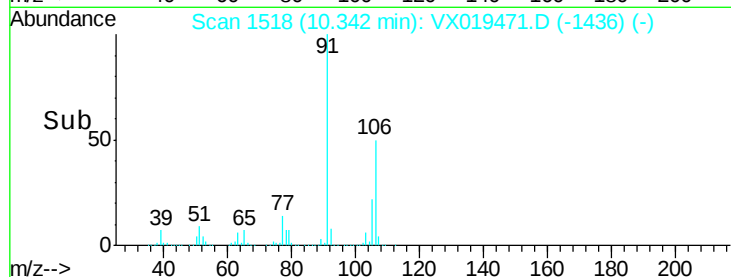
1000000

500000

0

10.30 10.34 10.40

Time-->



#68

o-Xylene

Concen: 107.694 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX019471.D

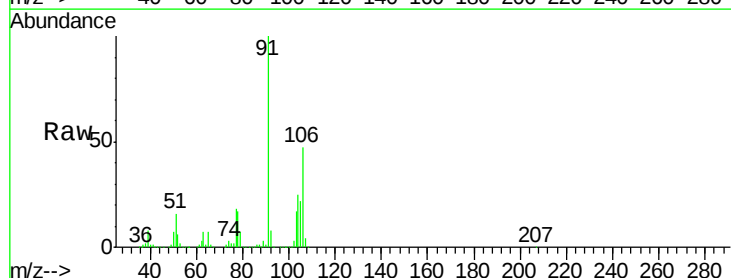
Acq: 19 Nov 2020 17:22

Tgt Ion:106 Resp: 575881

Ion Ratio Lower Upper

106 100

91 214.3 108.3 324.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

1200000

1000000

800000

600000

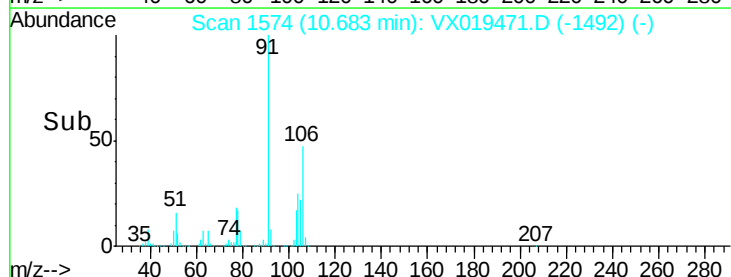
400000

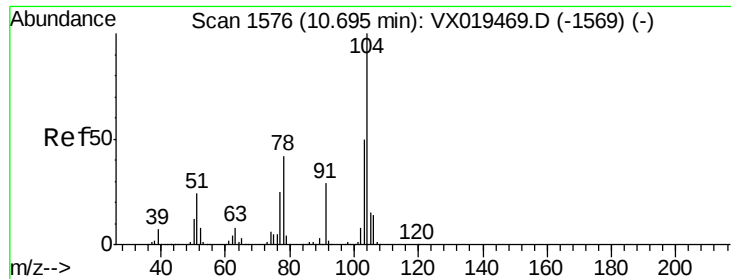
200000

0

10.65 10.70 10.75

Time-->

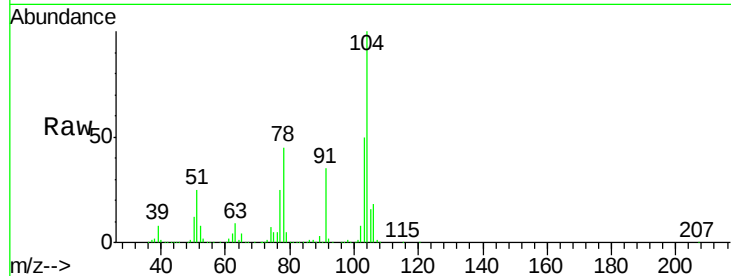




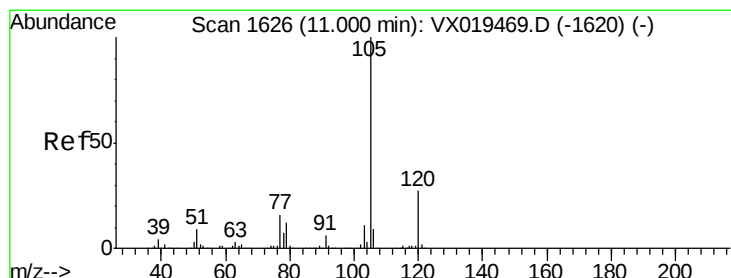
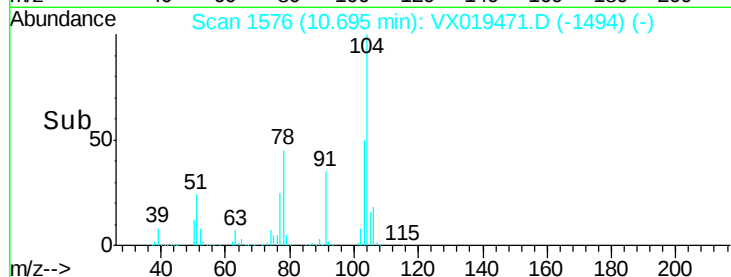
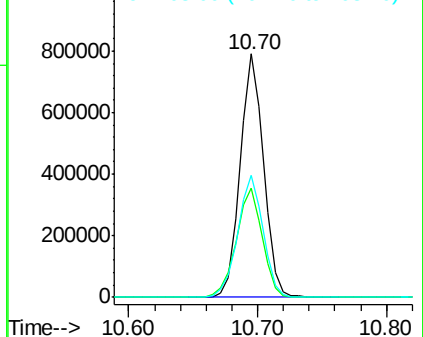
#69
Styrene
Concen: 109.803 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019471.D
Acq: 19 Nov 2020 17:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion:104 Resp: 992368
Ion Ratio Lower Upper
104 100
78 49.9 39.2 58.8
103 54.5 43.8 65.8

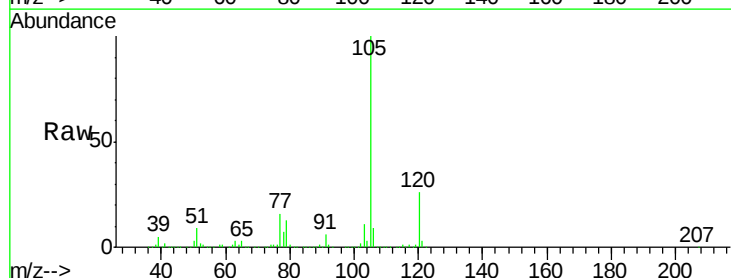


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

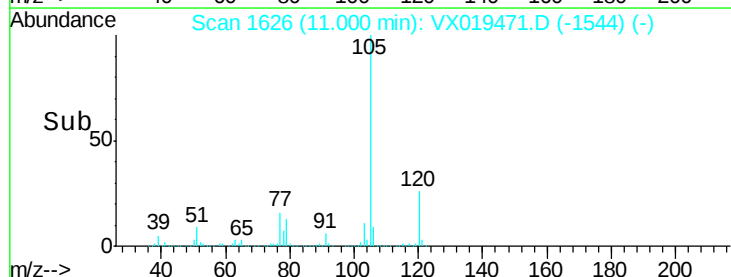
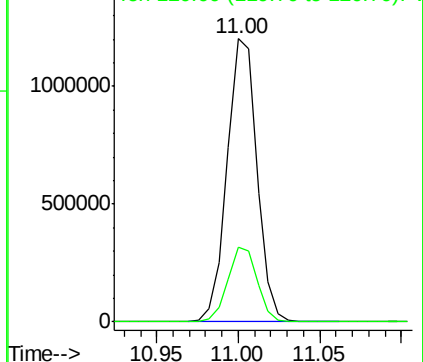


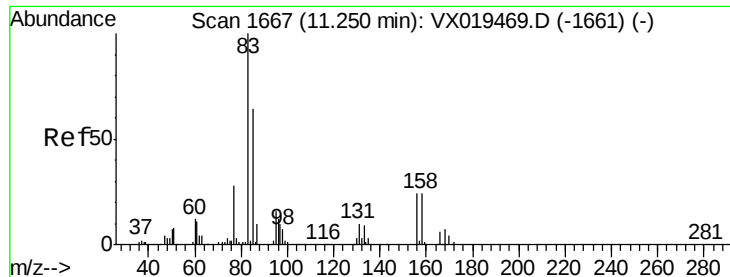
#70
Isopropylbenzene
Concen: 106.090 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX019471.D
Acq: 19 Nov 2020 17:22

Tgt Ion:105 Resp: 1532011
Ion Ratio Lower Upper
105 100
120 26.1 18.5 34.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 122.834 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

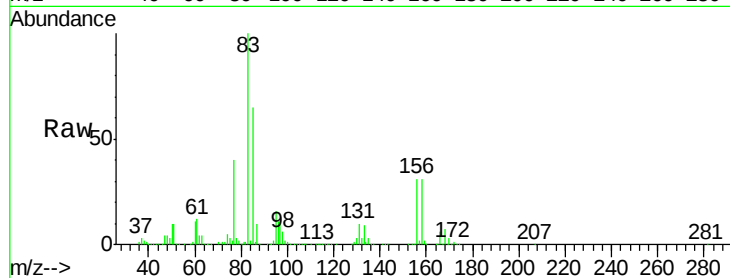
Tgt Ion: 83 Resp: 526855

Ion Ratio Lower Upper

83 100

131 10.2 4.9 14.7

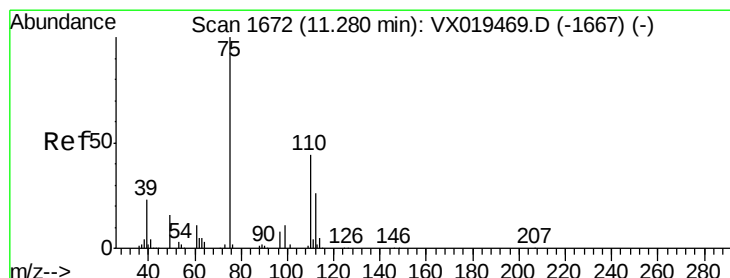
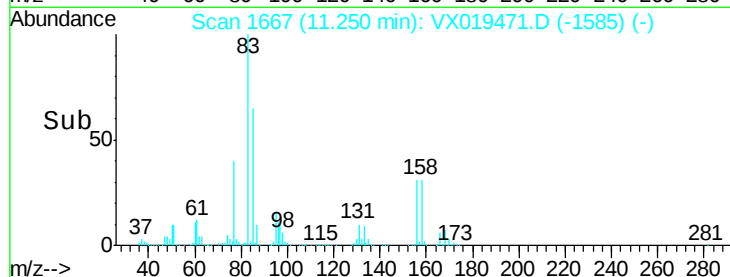
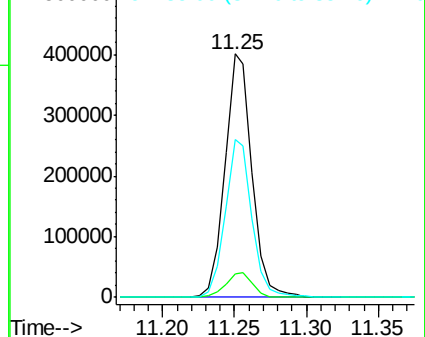
85 64.3 31.6 94.8



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 160.513 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019471.D

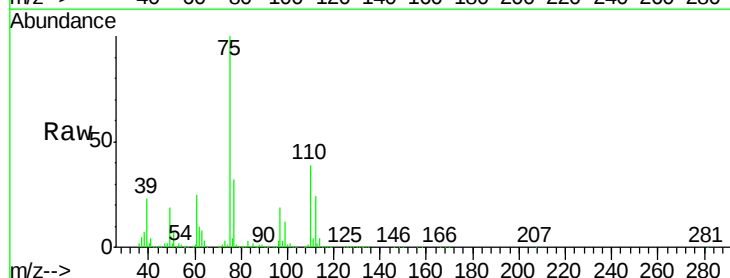
Acq: 19 Nov 2020 17:22

Tgt Ion: 75 Resp: 616076

Ion Ratio Lower Upper

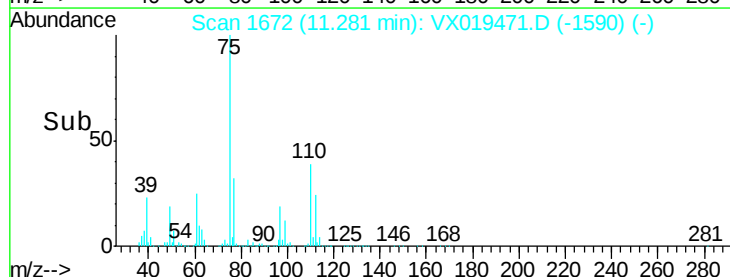
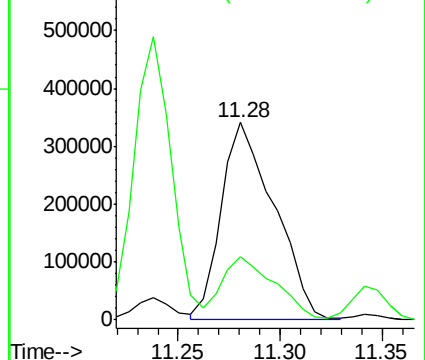
75 100

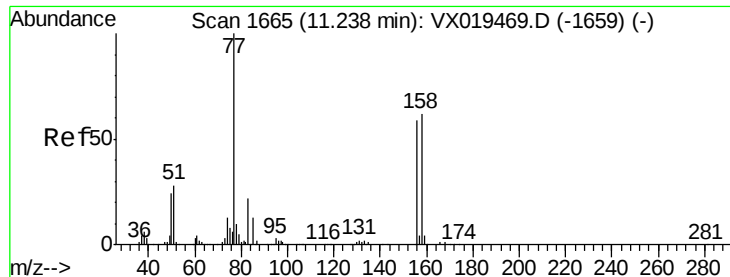
77 31.7 0.0 78.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 107.393 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

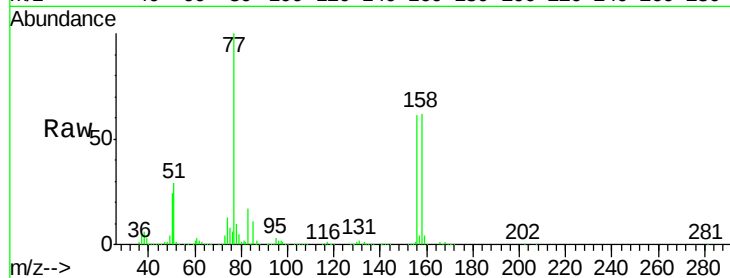
Tgt Ion:156 Resp: 379487

Ion Ratio Lower Upper

156 100

77 164.8 0.0 329.0

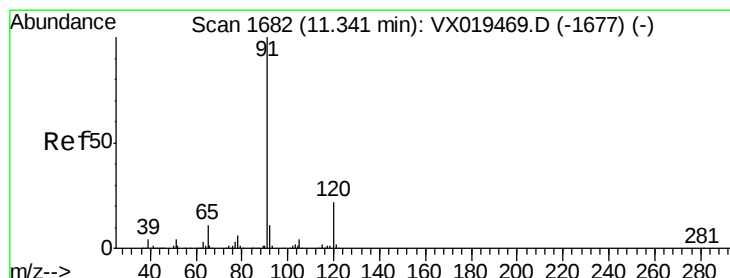
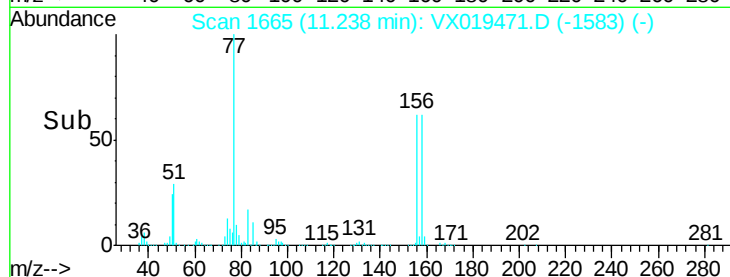
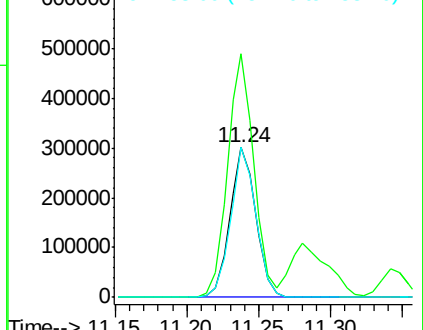
158 97.5 0.0 197.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 111.154 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019471.D

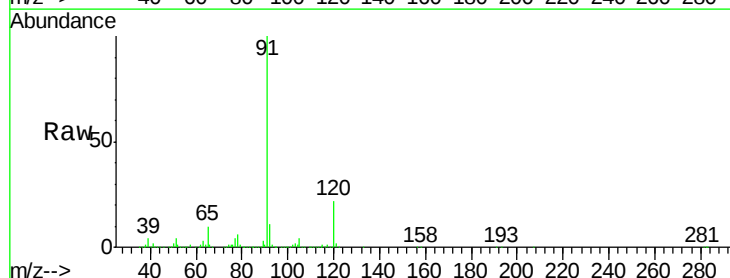
Acq: 19 Nov 2020 17:22

Tgt Ion: 91 Resp: 1818432

Ion Ratio Lower Upper

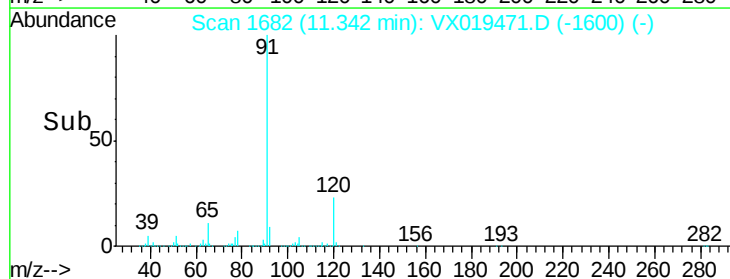
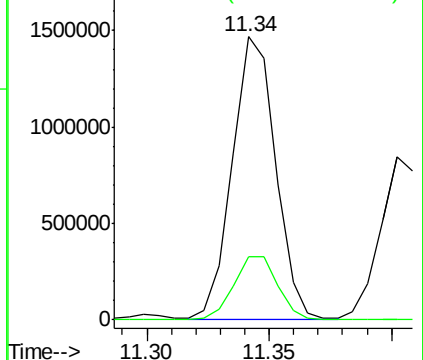
91 100

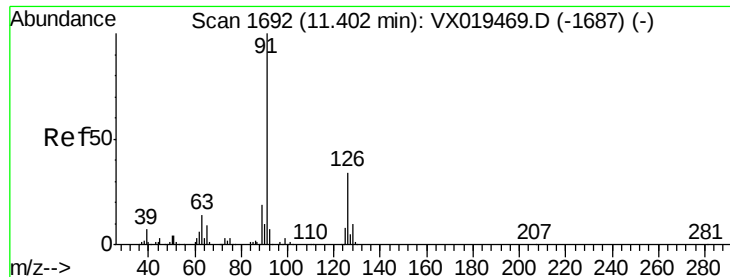
120 22.8 0.0 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 113.372 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

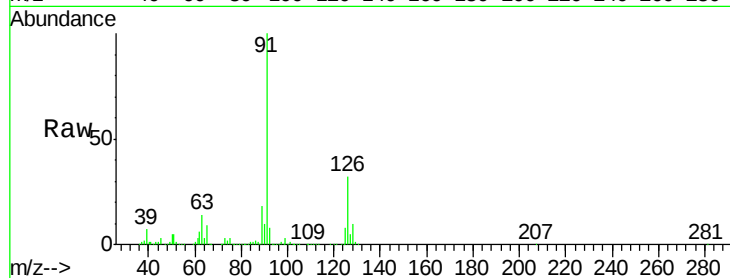
VSTDIC100

Tgt Ion: 91 Resp: 1066497

Ion Ratio Lower Upper

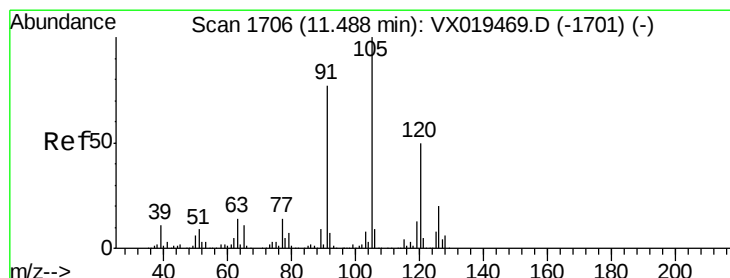
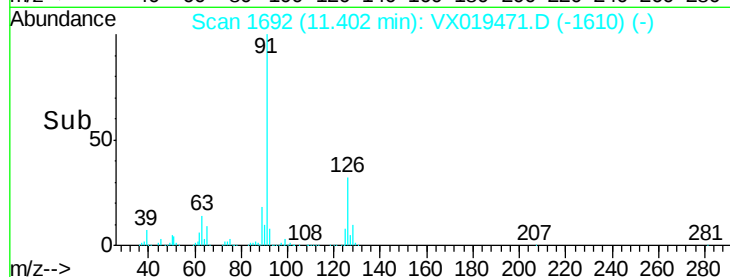
91 100

126 32.8 0.0 66.4



Abundance Ion 91.00 (90.70 to 91.70): VX019469.D (-1687) (-)

Ion 126.00 (125.70 to 126.70): VX019469.D (-1687) (-)



#76

1,3,5-Trimethylbenzene

Concen: 111.738 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019471.D

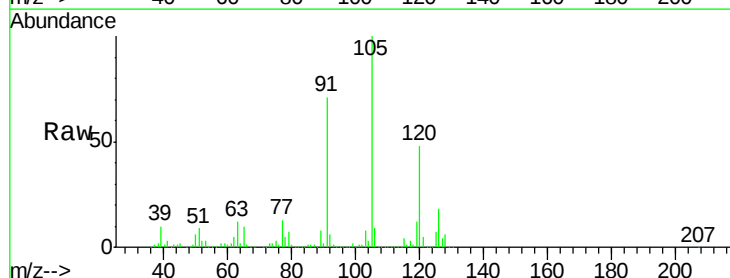
Acq: 19 Nov 2020 17:22

Tgt Ion: 105 Resp: 1316693

Ion Ratio Lower Upper

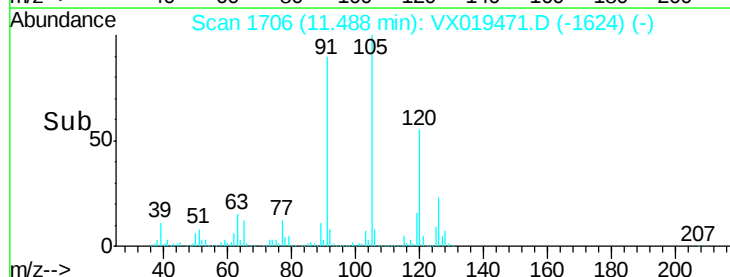
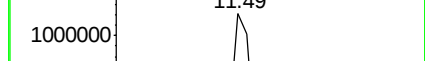
105 100

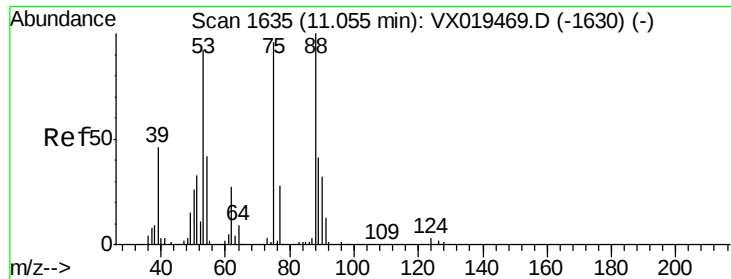
120 48.8 0.0 99.4



Abundance Ion 105.00 (104.70 to 105.70): VX019469.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX019469.D (-1701) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 123.053 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

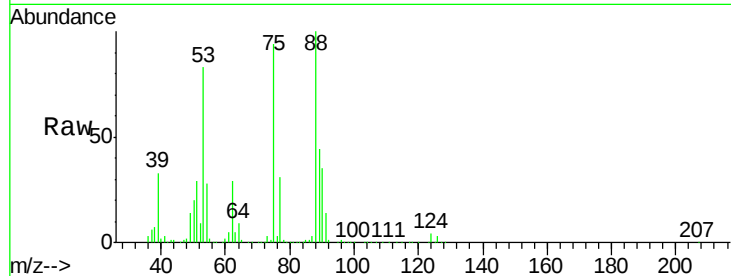
Tgt Ion: 75 Resp: 180718

Ion Ratio Lower Upper

75 100

53 87.4 47.9 143.6

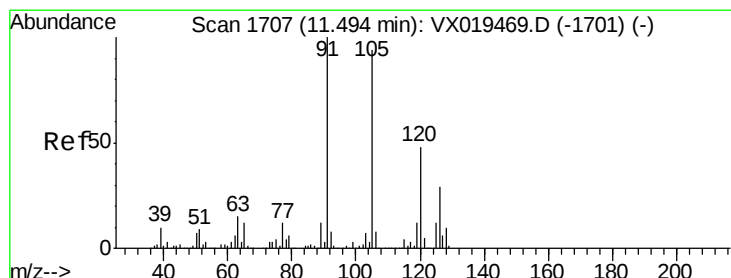
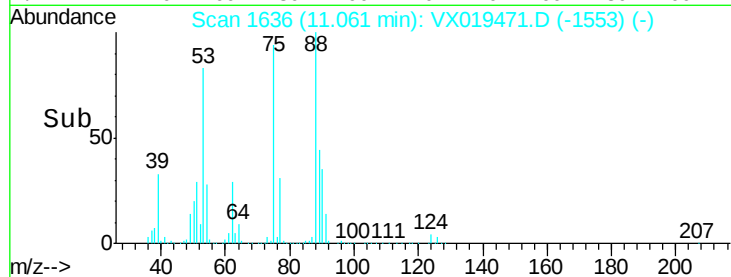
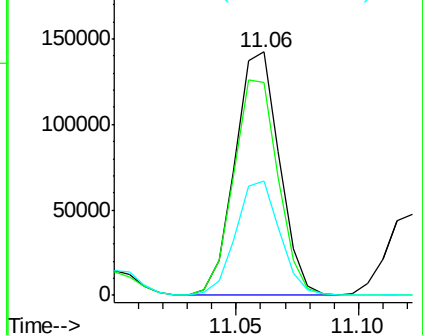
89 46.8 21.4 64.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 115.305 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX019471.D

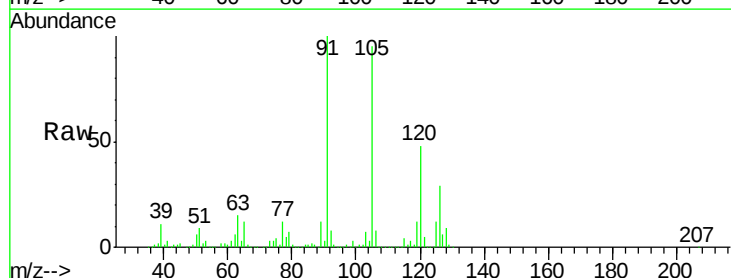
Acq: 19 Nov 2020 17:22

Tgt Ion: 91 Resp: 1270170

Ion Ratio Lower Upper

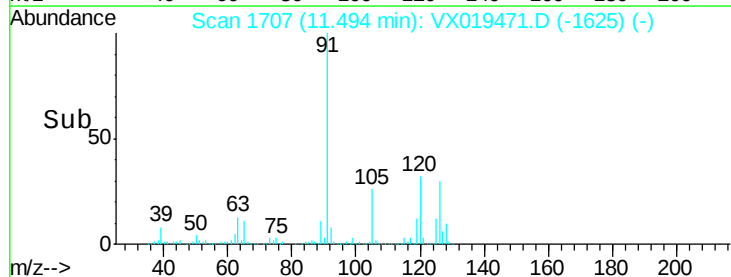
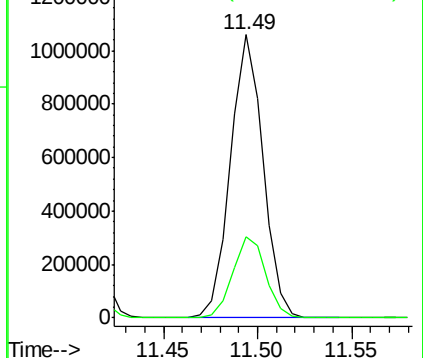
91 100

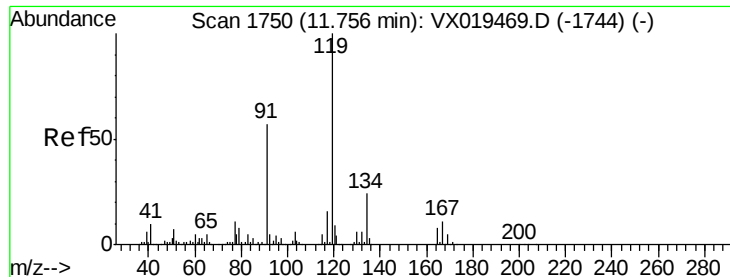
126 29.0 0.0 58.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

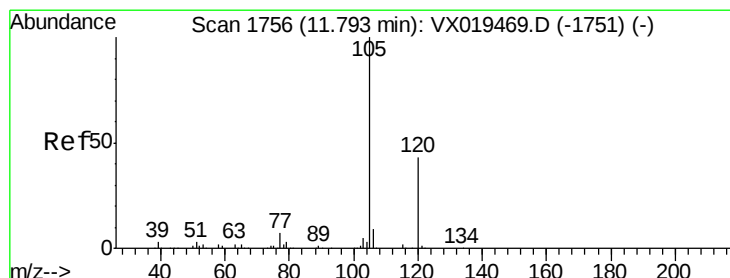
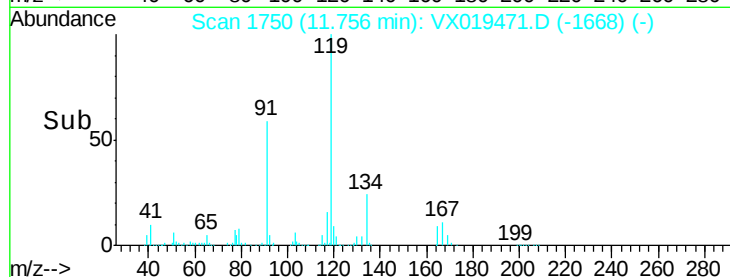
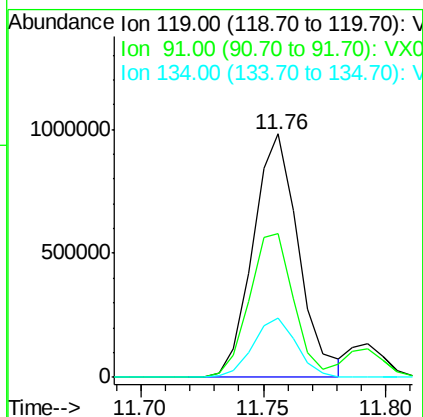
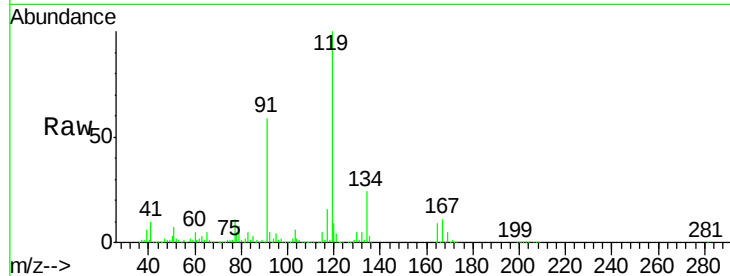




#79
tert-butylbenzene
Concen: 110.978 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX019471.D
Acq: 19 Nov 2020 17:22

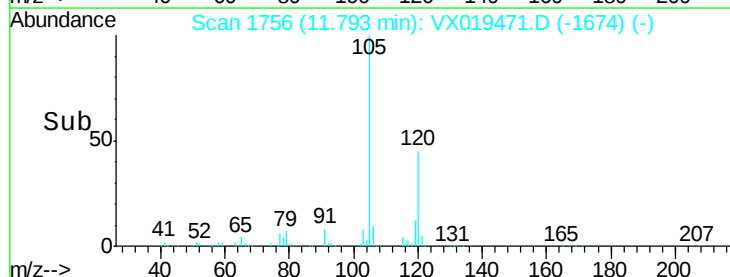
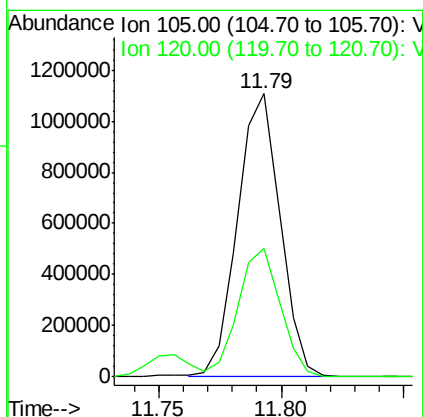
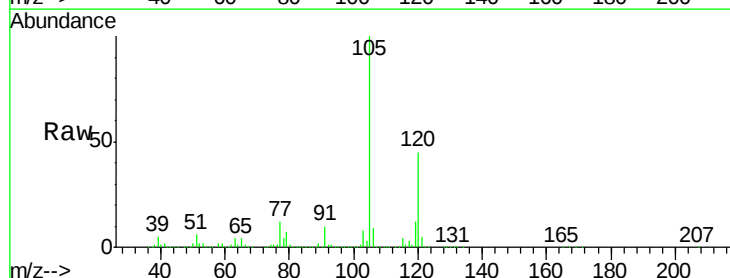
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

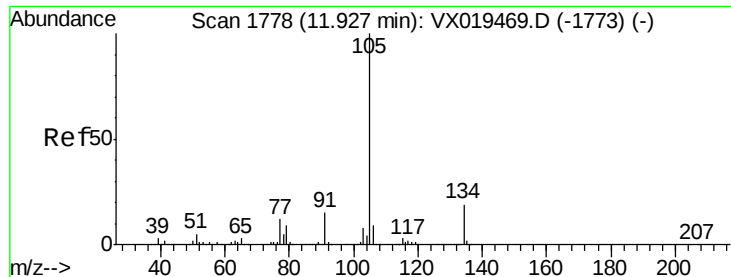
Tgt Ion:119 Resp: 1276768
Ion Ratio Lower Upper
119 100
91 57.6 0.0 117.0
134 23.3 0.0 47.2



#80
1,2,4-Trimethylbenzene
Concen: 114.387 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX019471.D
Acq: 19 Nov 2020 17:22

Tgt Ion:105 Resp: 1339847
Ion Ratio Lower Upper
105 100
120 45.3 0.0 91.2

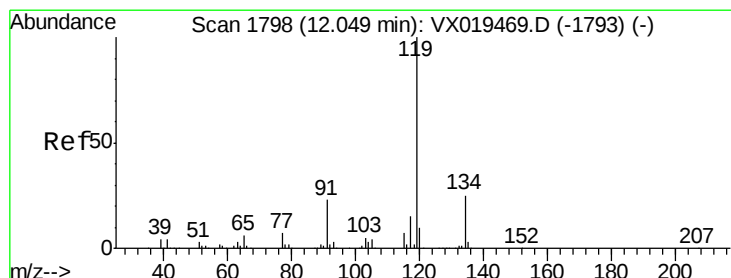
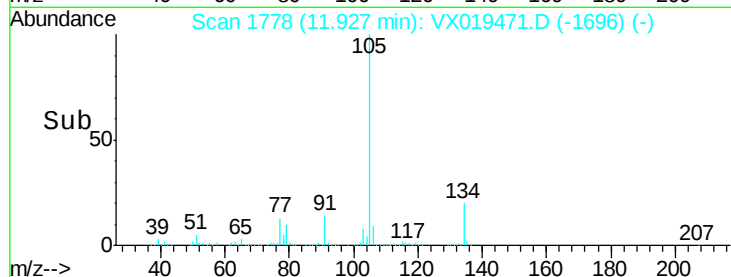
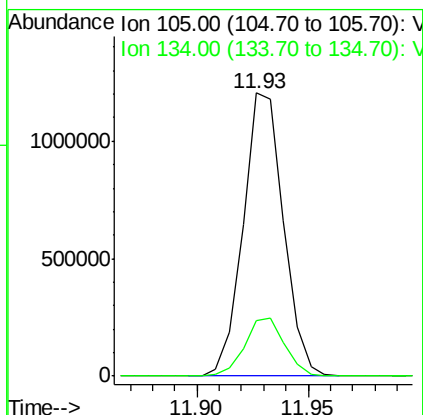
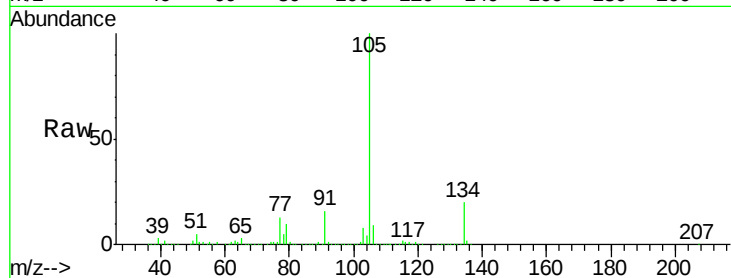




#81
 sec-Butylbenzene
 Concen: 111.147 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

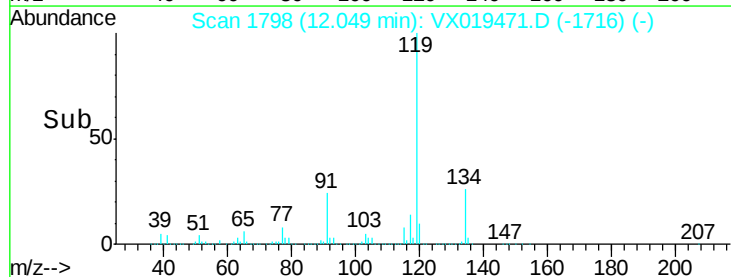
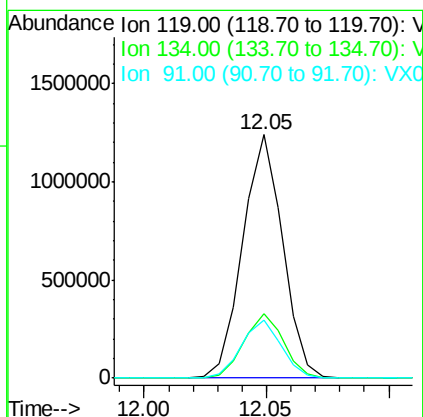
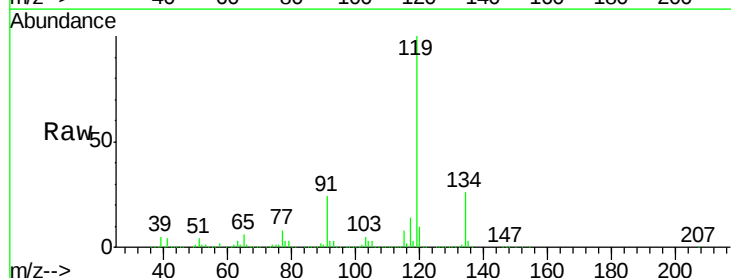
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

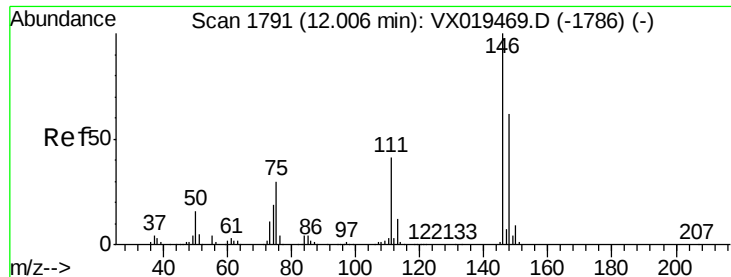
Tgt Ion:105 Resp: 1524232
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 39.2



#82
 p-Isopropyltoluene
 Concen: 112.304 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

Tgt Ion:119 Resp: 1413214
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 51.8
 91 23.8 0.0 47.6

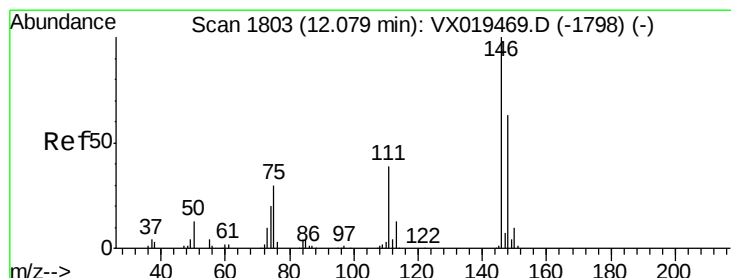
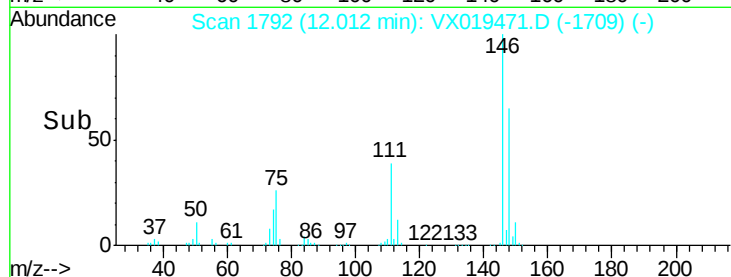
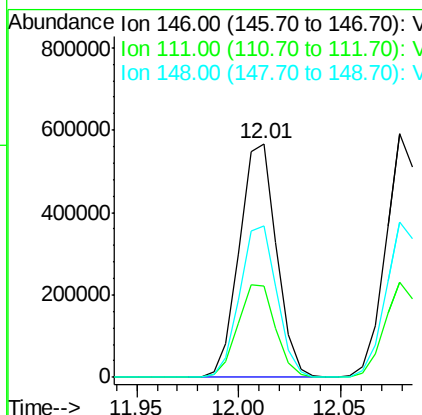
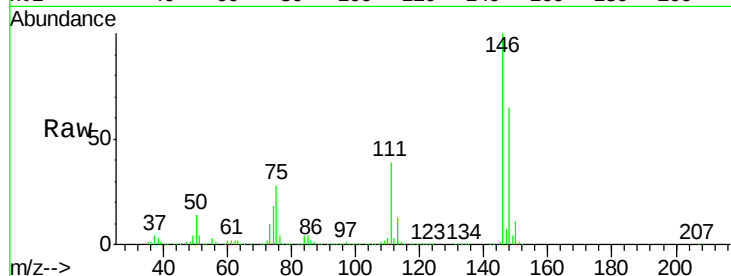




#83
 1,3-Dichlorobenzene
 Concen: 112.755 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

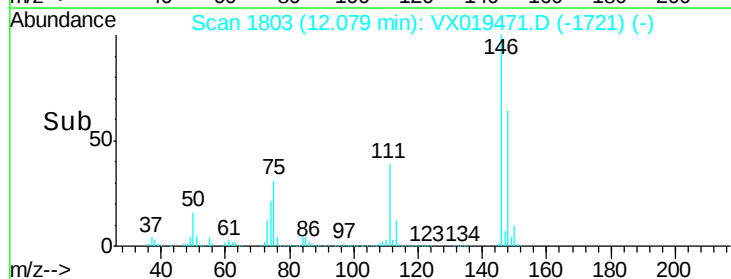
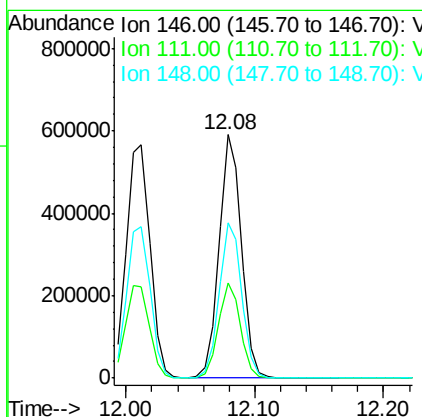
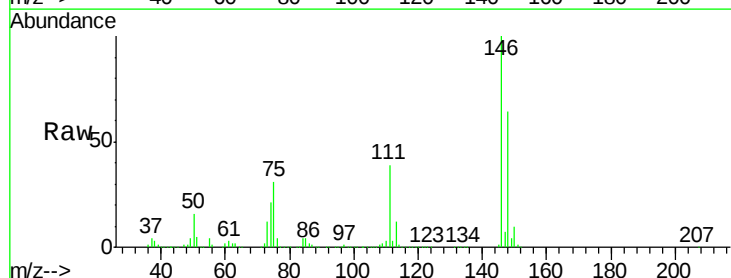
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

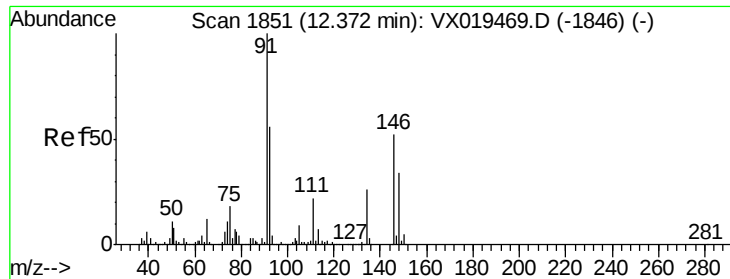
Tgt Ion:146 Resp: 718214
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 60.0
 148 64.6 31.4 94.0



#84
 1,4-Dichlorobenzene
 Concen: 111.595 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

Tgt Ion:146 Resp: 721342
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.3 57.9
 148 64.4 31.4 94.2





#85

n-Butylbenzene

Concen: 116.755 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

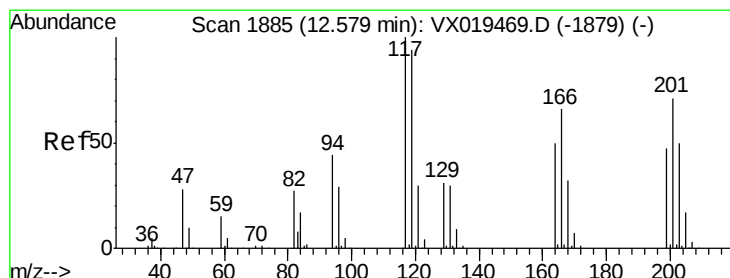
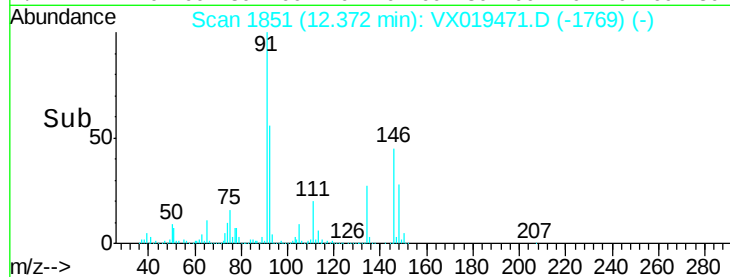
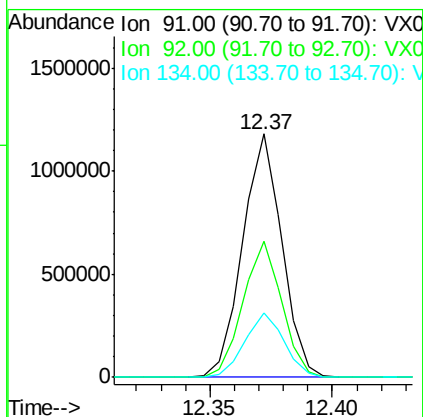
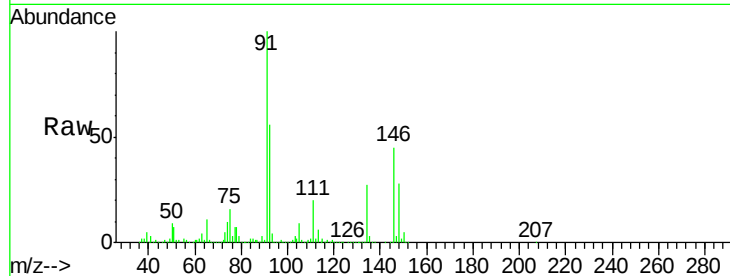
Tgt Ion: 91 Resp: 1312893

Ion Ratio Lower Upper

91 100

92 55.1 0.0 111.2

134 26.4 0.0 51.2



#86

Hexachloroethane

Concen: 125.318 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX019471.D

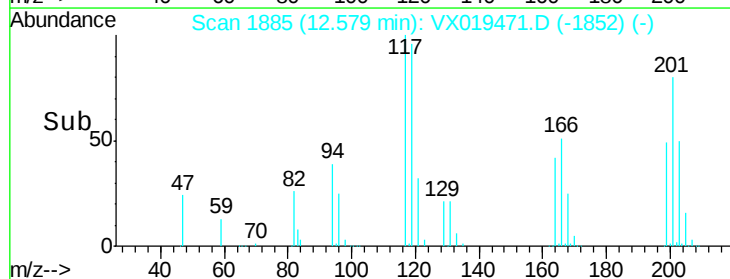
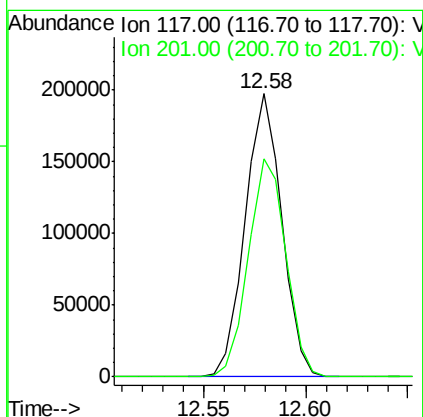
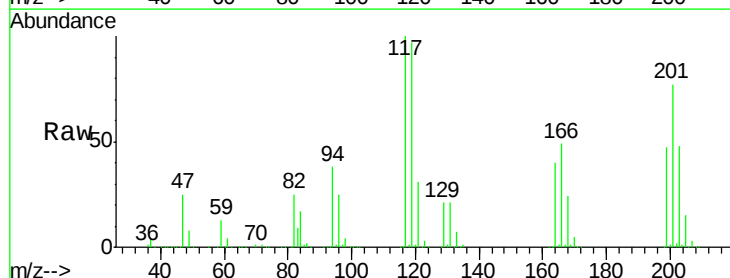
Acq: 19 Nov 2020 17:22

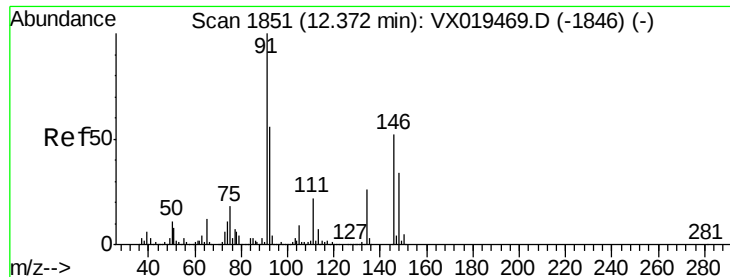
Tgt Ion: 117 Resp: 246656

Ion Ratio Lower Upper

117 100

201 79.1 38.4 115.1

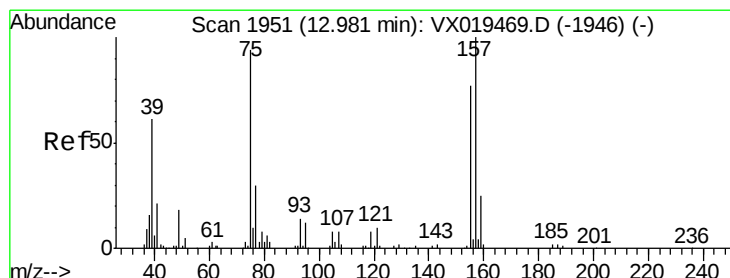
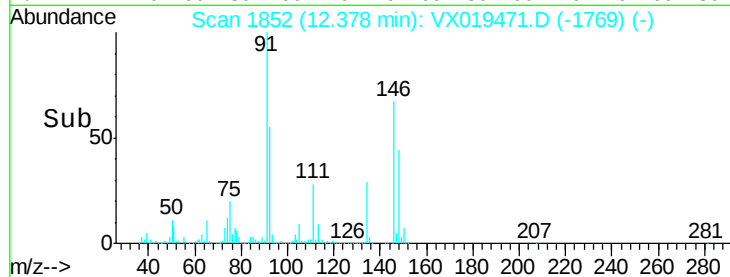
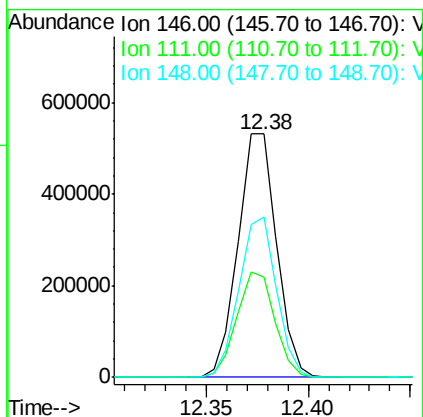
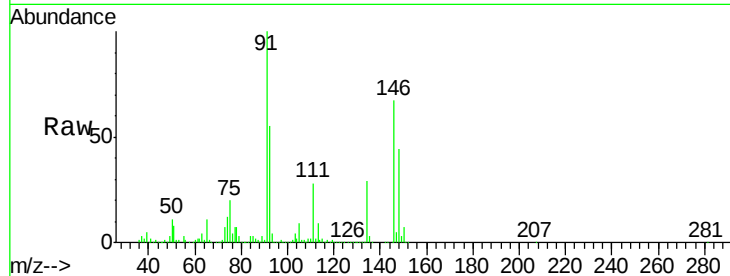




#87
 1,2-Dichlorobenzene
 Concen: 114.186 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

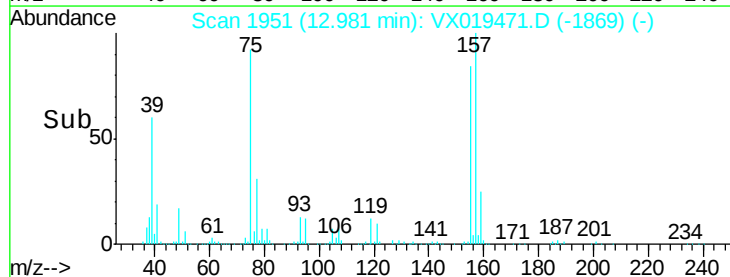
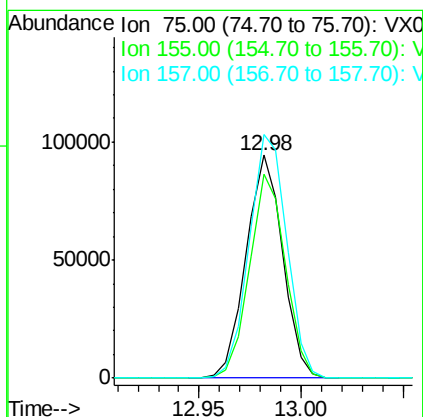
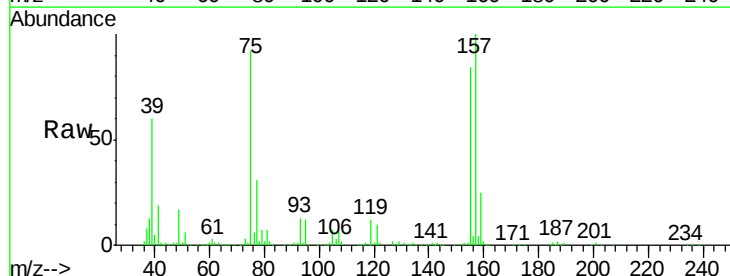
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

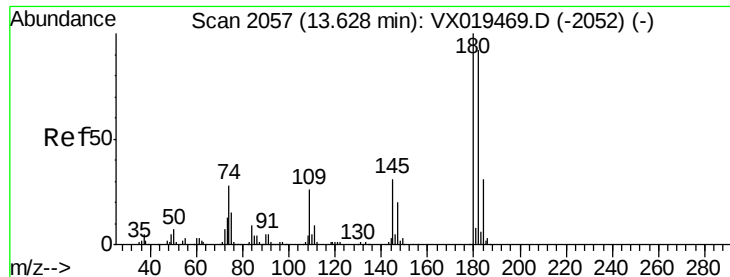
Tgt Ion:146 Resp: 700150
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.5 61.6
 148 64.1 31.5 94.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 124.597 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

Tgt Ion: 75 Resp: 118120
 Ion Ratio Lower Upper
 75 100
 155 89.7 68.6 103.0
 157 112.2 90.0 135.0

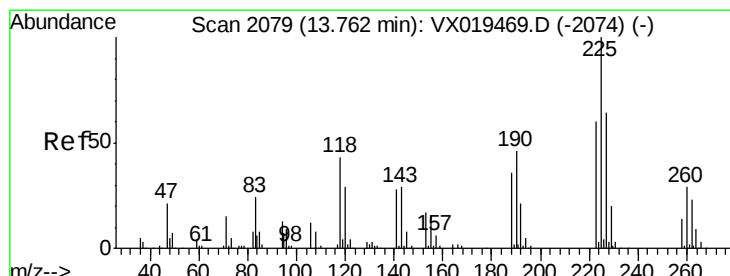
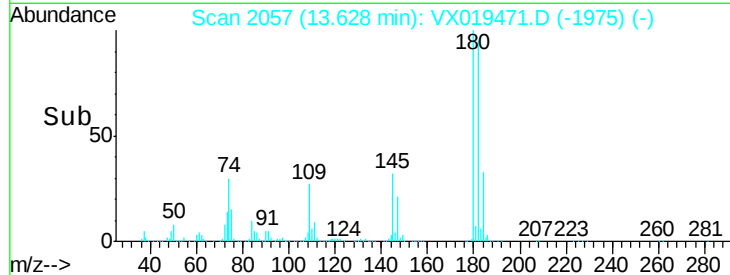
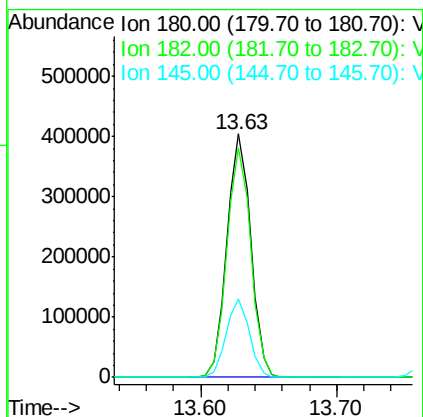
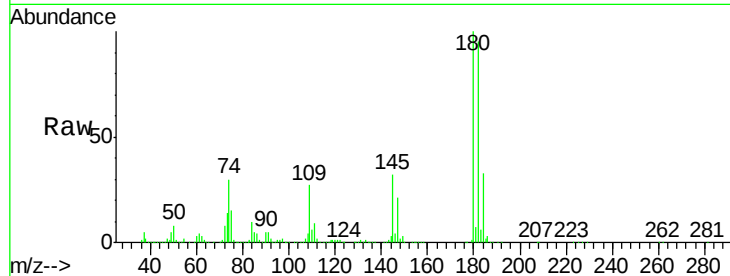




#89
 1,2,4-Trichlorobenzene
 Concen: 114.123 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

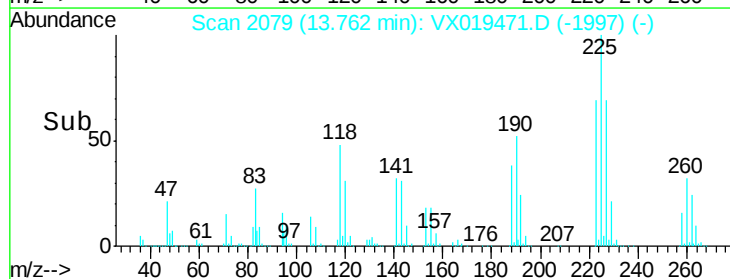
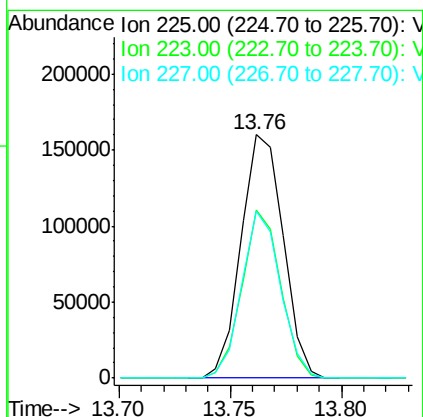
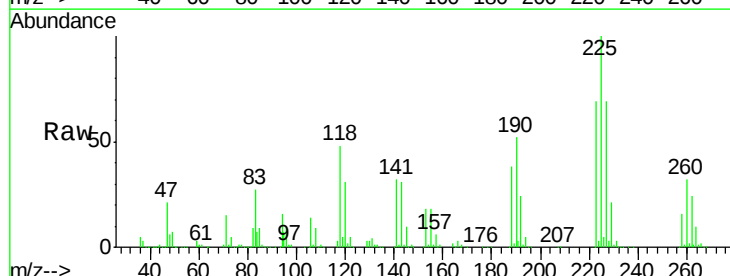
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

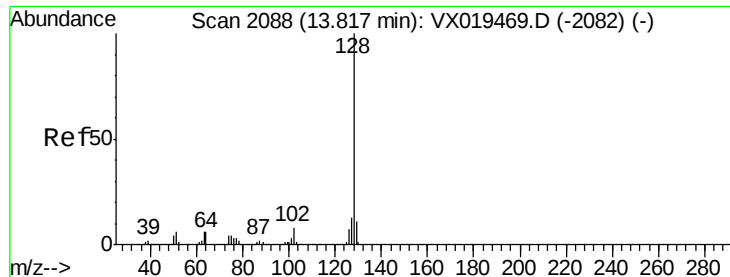
Tgt Ion:180 Resp: 492286
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.1 114.1
 145 31.4 24.7 37.1



#90
 Hexachlorobutadiene
 Concen: 112.683 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX019471.D
 Acq: 19 Nov 2020 17:22

Tgt Ion:225 Resp: 212087
 Ion Ratio Lower Upper
 225 100
 223 63.6 0.0 119.2
 227 63.1 0.0 126.4





#91

Naphthalene

Concen: 115.335 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

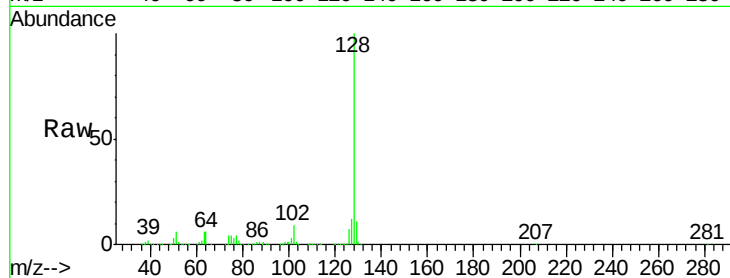
Tgt Ion:128 Resp: 1620512

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

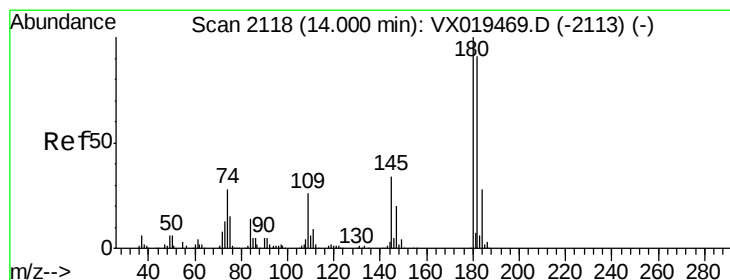
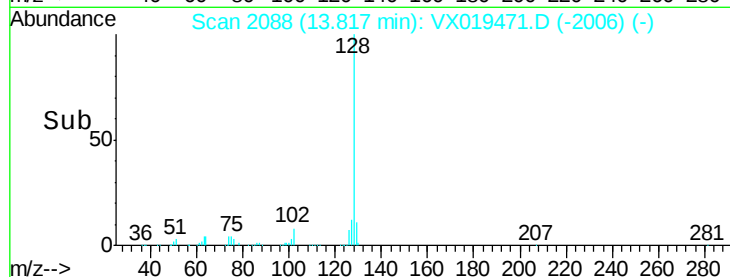
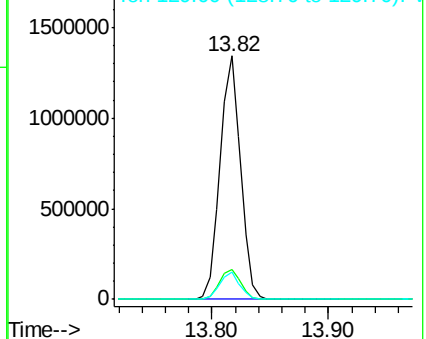
129 10.9 8.6 12.8



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



#92

1,2,3-Trichlorobenzene

Concen: 118.813 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX019471.D

Acq: 19 Nov 2020 17:22

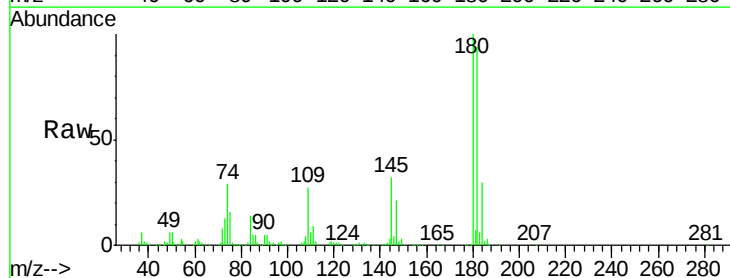
Tgt Ion:180 Resp: 498080

Ion Ratio Lower Upper

180 100

182 93.6 0.0 192.2

145 32.0 0.0 63.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

