

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019090.D
 Acq On : 23 Oct 2020 20:37
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Oct 26 04:18:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 03:21:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	43078	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	241871	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	215593	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	88310	30.78	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.60%
60) 4-Bromofluorobenzene	11.12	95	100438	31.04	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	103.47%
63) Toluene-d8	8.70	98	290254	30.49	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	38315	17.699	ug/l 99
3) Chloromethane	1.31	50	36689	18.756	ug/l 98
4) Vinyl Chloride	1.39	62	46692	18.213	ug/l 97
5) Bromomethane	1.64	94	38427	21.641	ug/l 96
6) Chloroethane	1.72	64	30855	17.760	ug/l 99
7) Trichlorofluoromethane	1.92	101	80073	17.937	ug/l 94
8) Diethyl Ether	2.17	74	30515	18.236	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	38124	17.873	ug/l 99
10) 1,1-Dichloroethene	2.36	96	37955	17.503	ug/l 94
11) Methyl Iodide	2.49	142	30829	18.159	ug/l 96
12) Methyl Acetate	2.75	43	40993	19.096	ug/l 99
13) Acrolein	2.27	56	19550	98.905	ug/l 98
14) Acrylonitrile	3.11	53	92856	92.071	ug/l 99
15) Acetone	2.42	58	28378	98.225	ug/l 93
16) Carbon Disulfide	2.55	76	103144	17.112	ug/l 99
17) Allyl chloride	2.71	41	48997	18.088	ug/l 98
18) Methylene Chloride	2.84	84	44643	18.052	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	44977	17.759	ug/l 97
20) Diisopropyl ether	3.82	45	98597	17.968	ug/l # 84
21) 1,1-Dichloroethane	3.67	63	72322	17.951	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	51889	17.687	ug/l 100
23) tert-Butyl Alcohol	3.01	59	46081	94.246	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	123198	17.967	ug/l 99
25) Chloroform	5.18	83	80629	18.062	ug/l 100
26) Cyclohexane	5.55	56	55153	17.617	ug/l # 98
29) 1,1-Dichloropropene	5.77	75	59476	17.431	ug/l 99
30) 2-Butanone	4.64	43	126031	92.715	ug/l 98
31) 2,2-Dichloropropane	4.55	77	62967	16.129	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	71847	17.519	ug/l 99
33) Carbon Tetrachloride	5.75	117	60895	17.110	ug/l 96
34) Benzene	6.11	78	179647	17.893	ug/l 98
35) Methacrylonitrile	5.01	41	25977	17.653	ug/l 95
36) 1,2-Dichloroethane	6.16	62	62299	18.089	ug/l 100
37) Trichloroethene	7.19	130	50080	17.354	ug/l 97
38) Methylcyclohexane	7.44	83	64687	16.913	ug/l 98
39) 1,2-Dichloropropane	7.49	63	42696	18.321	ug/l 95
40) Dibromomethane	7.63	93	32370	17.897	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 03:21:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	62438	17.461	ug/l	99
42) Vinyl Acetate	3.78	43	464425	87.807	ug/l	99
43) Ethyl Acetate	4.79	43	49929	17.509	ug/l	99
44) Isopropyl Acetate	6.41	43	82497	17.276	ug/l	100
45) 1,4-Dioxane	7.71	88	18447	367.529	ug/l	99
46) Methyl methacrylate	7.74	41	39577	17.511	ug/l	99
47) n-amyl Acetate	10.88	43	68670	17.928	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	65445	16.349	ug/l	100
49) cis-1,3-Dichloropropene	8.42	75	73007	17.138	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	46880	17.895	ug/l	96
51) Ethyl methacrylate	9.16	69	66705	17.451	ug/l	99
52) 1,3-Dichloropropane	9.35	76	77743	18.216	ug/l	98
53) Dibromochloromethane	9.56	129	49105	16.838	ug/l	100
54) 1,2-Dibromoethane	9.65	107	49066	17.236	ug/l	96
55) 2-Chloroethyl vinyl ether	8.29	63	175901	86.107	ug/l	100
56) Bromoform	10.84	173	34342	16.844	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	253955	93.407	ug/l	99
59) 2-Hexanone	9.47	43	190002	93.782	ug/l	99
61) Tetrachloroethene	9.32	164	47170	18.443	ug/l	96
62) Toluene	8.76	91	202013	17.829	ug/l	98
64) Chlorobenzene	10.12	112	125480	17.815	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	45165	17.631	ug/l	100
66) Ethyl Benzene	10.24	91	222250	17.891	ug/l	97
67) m/p-Xylenes	10.34	106	172264	36.361	ug/l	99
68) o-Xylene	10.68	106	81360	18.006	ug/l	98
69) Styrene	10.70	104	136495	17.930	ug/l	99
70) Isopropylbenzene	11.00	105	221105	18.199	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	68888	19.641	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	78622	24.927	ug/l	85
73) Bromobenzene	11.24	156	55011	18.527	ug/l	100
74) n-propylbenzene	11.34	91	252300	18.341	ug/l	99
75) 2-Chlorotoluene	11.40	91	148296	19.058	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	183755	18.639	ug/l	98
77) t-1,4-Dichloro-2-butene	11.05	75	20558	16.412	ug/l	93
78) 4-Chlorotoluene	11.49	91	170454	18.641	ug/l	100
79) tert-butylbenzene	11.76	119	177647	18.299	ug/l	100
80) 1,2,4-Trimethylbenzene	11.79	105	183070	18.681	ug/l	100
81) sec-Butylbenzene	11.93	105	212559	18.504	ug/l	99
82) p-Isopropyltoluene	12.05	119	193735	18.300	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	99815	18.809	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	100872	18.721	ug/l	99
85) n-Butylbenzene	12.37	91	172971	18.248	ug/l	100
86) Hexachloroethane	12.58	117	28287	17.396	ug/l	100
87) 1,2-Dichlorobenzene	12.37	146	98361	19.361	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	14973	18.862	ug/l	93
89) 1,2,4-Trichlorobenzene	13.63	180	65199	17.833	ug/l	98
90) Hexachlorobutadiene	13.76	225	26426	17.047	ug/l	99
91) Naphthalene	13.82	128	216790	18.113	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	64263	18.272	ug/l	98

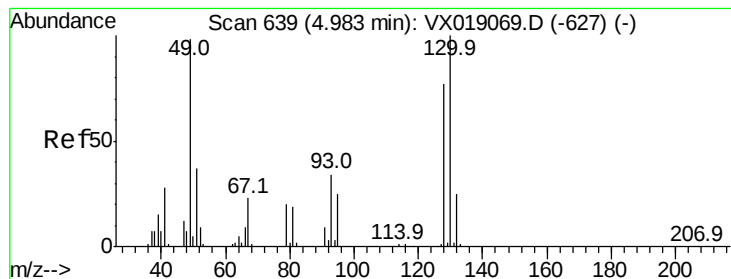
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
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QLast Update : Mon Oct 26 03:21:29 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

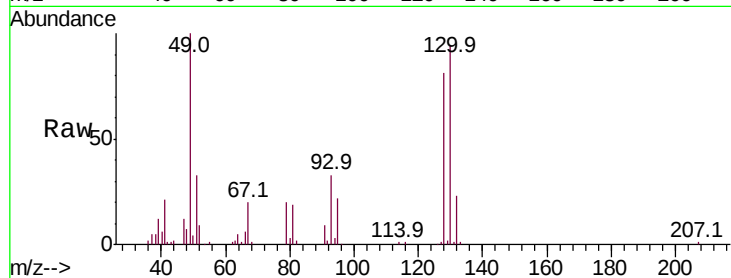
Tot Ion:128 Resp: 43078

Ion Ratio Lower Upper

128 100

49 129.3 0.0 318.8

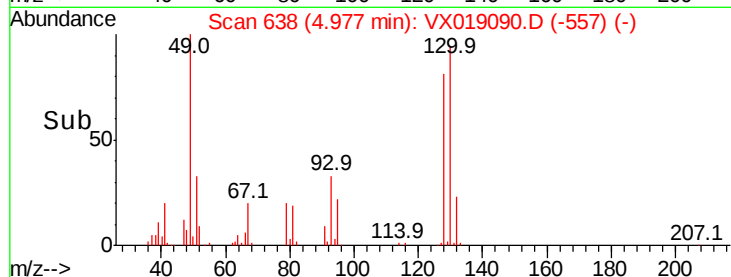
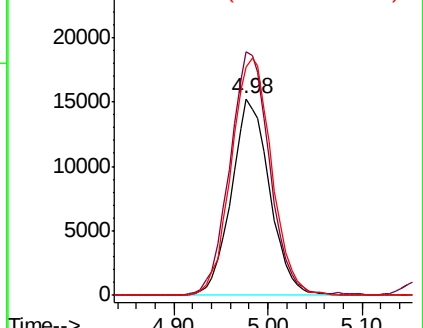
130 127.7 0.0 321.8



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: 17.699 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019090.D

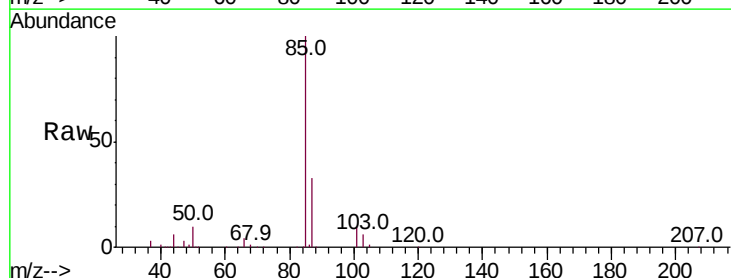
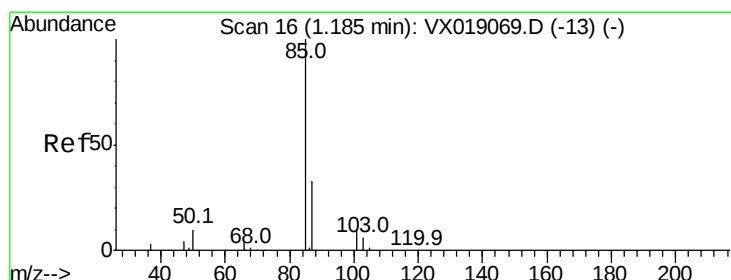
Acq: 23 Oct 2020 20:37

Tgt Ion: 85 Resp: 38315

Ion Ratio Lower Upper

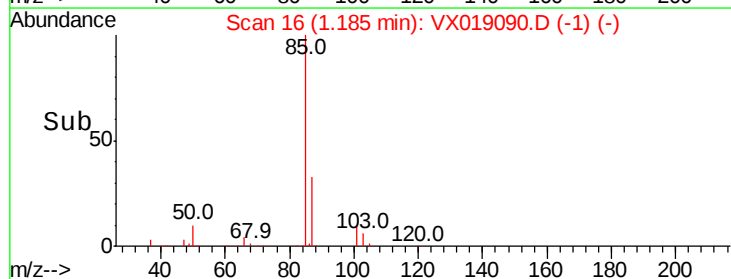
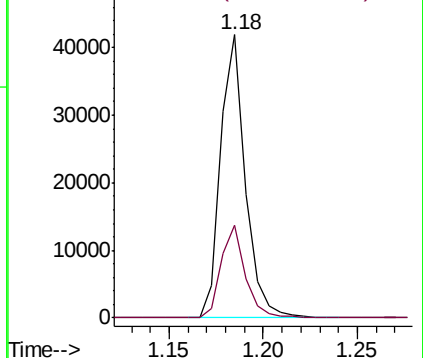
85 100

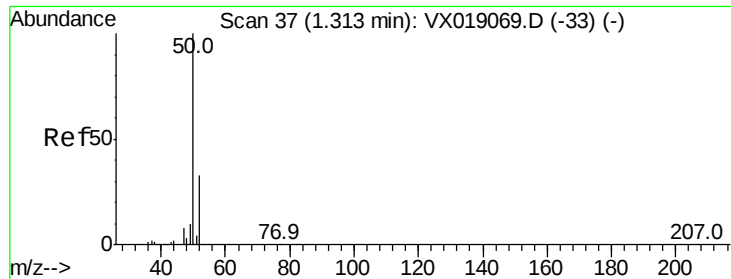
87 32.8 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

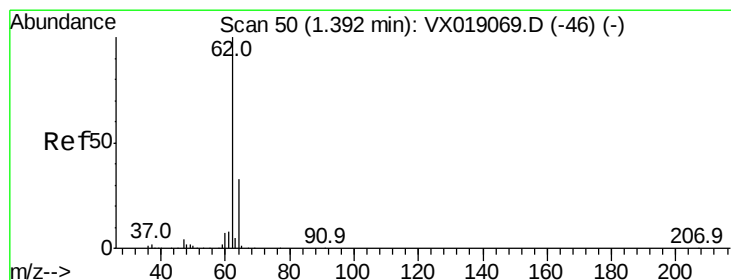
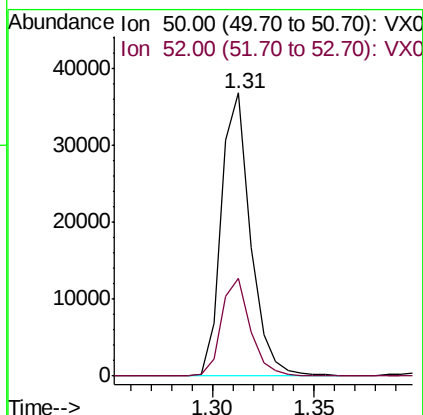
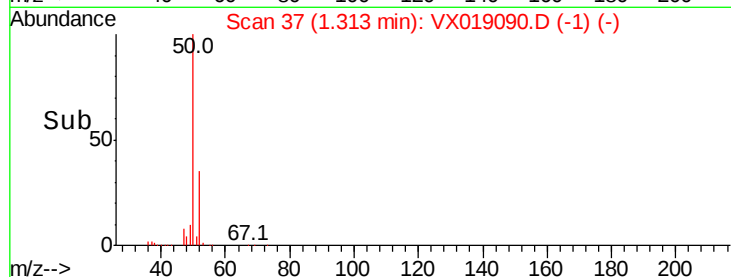
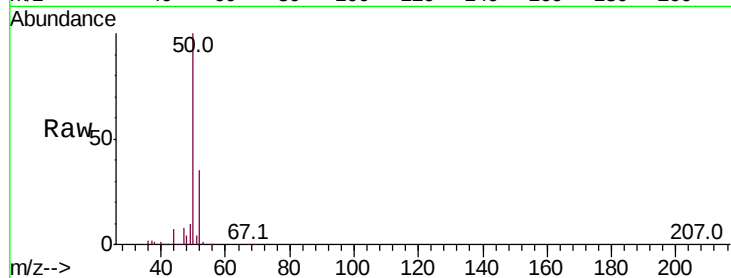




#3
Chloromethane
Concen: 18.756 ug/l
RT: 1.31 min Scan# 37
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

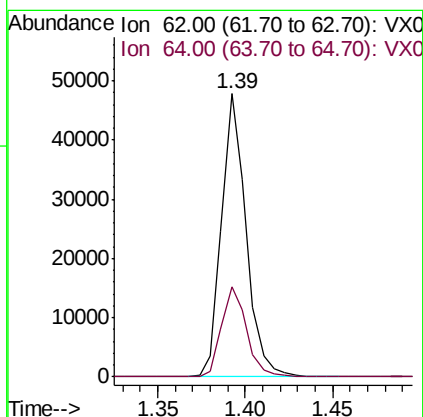
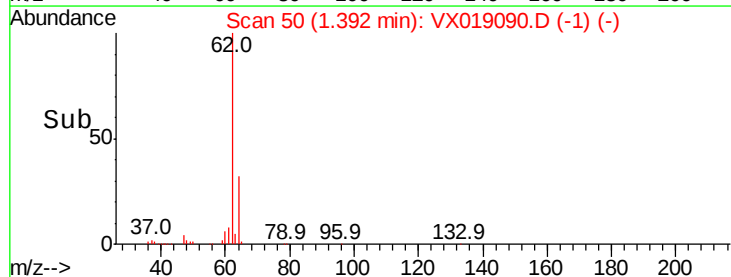
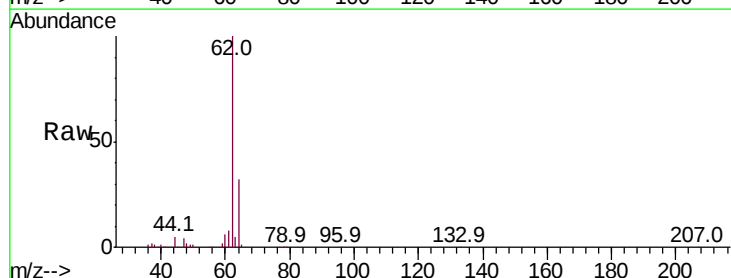
Instrument :
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VSTDCCC020EC

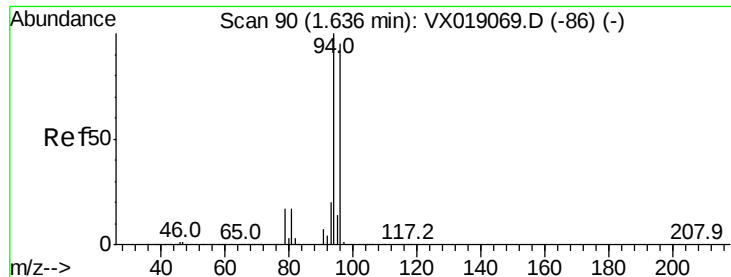
Tot Ion: 50 Resp: 36689
Ion Ratio Lower Upper
50 100
52 34.5 26.7 40.1



#4
Vinyl Chloride
Concen: 18.213 ug/l
RT: 1.39 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

Tgt Ion: 62 Resp: 46692
Ion Ratio Lower Upper
62 100
64 31.8 26.7 40.1





#5

Bromomethane

Concen: 21.641 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

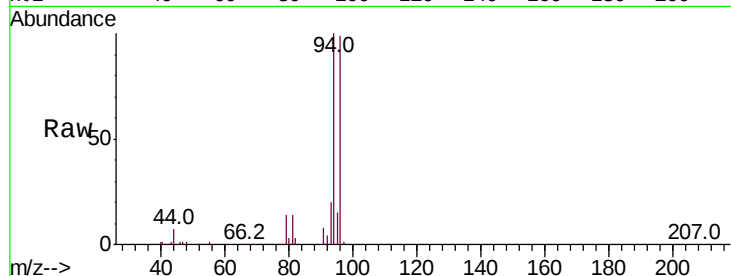
VSTDCCC020EC

Tot Ion: 94 Resp: 38427

Ion Ratio Lower Upper

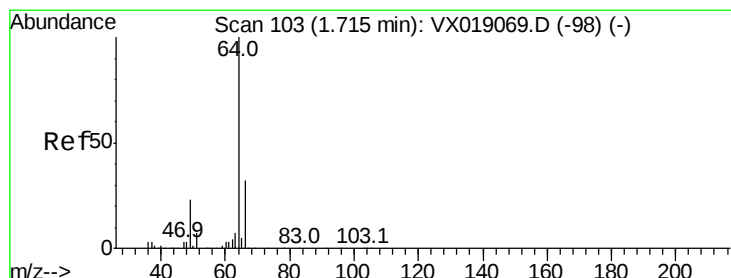
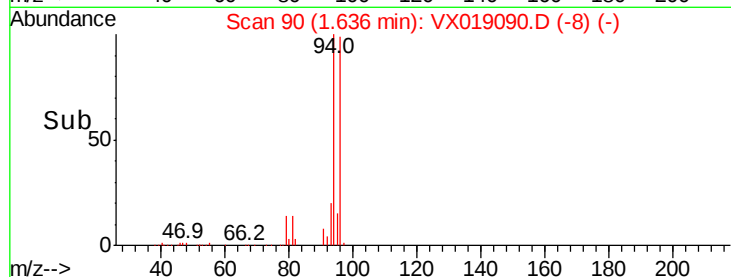
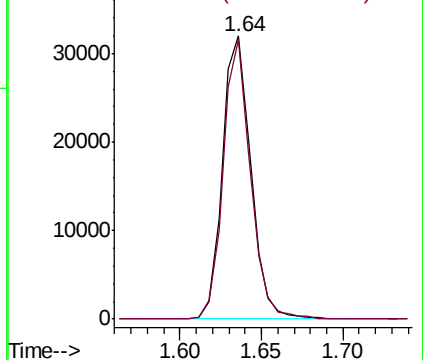
94 100

96 98.7 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 17.760 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX019090.D

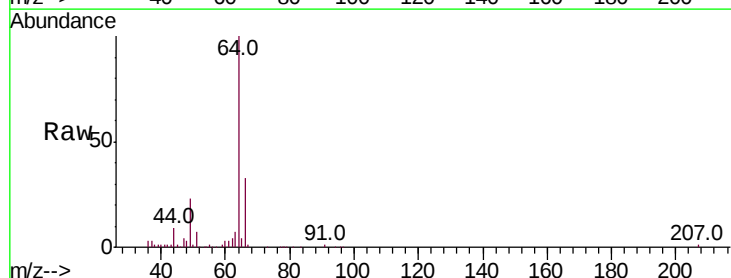
Acq: 23 Oct 2020 20:37

Tgt Ion: 64 Resp: 30855

Ion Ratio Lower Upper

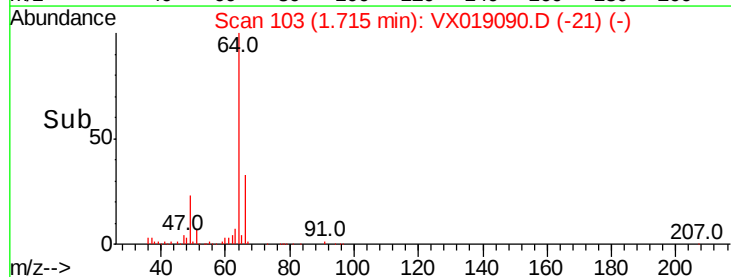
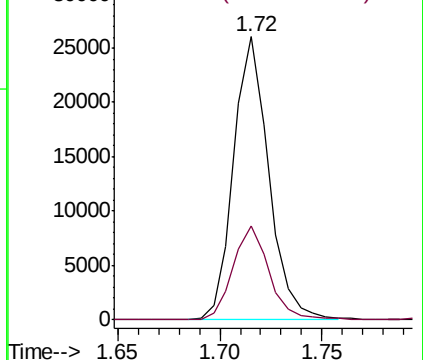
64 100

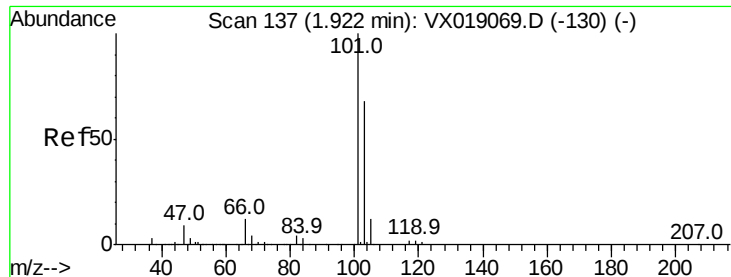
66 33.2 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



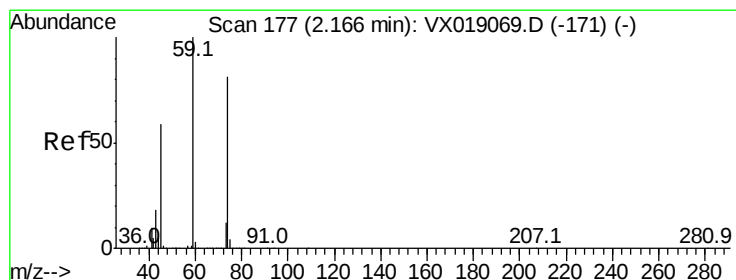
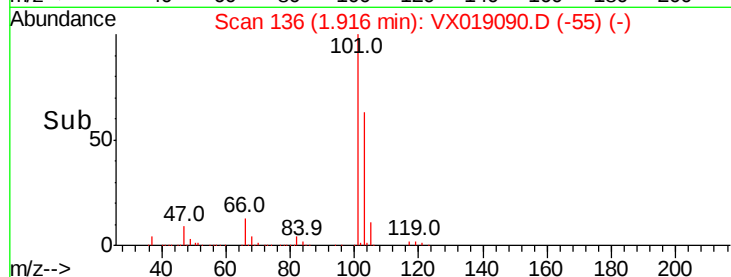
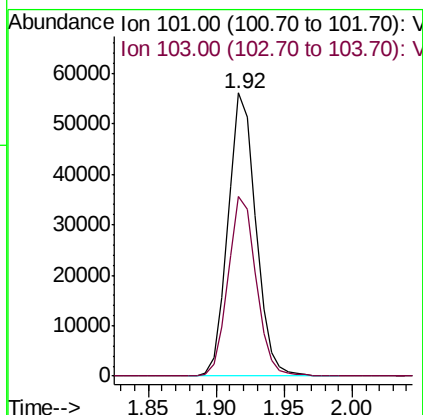
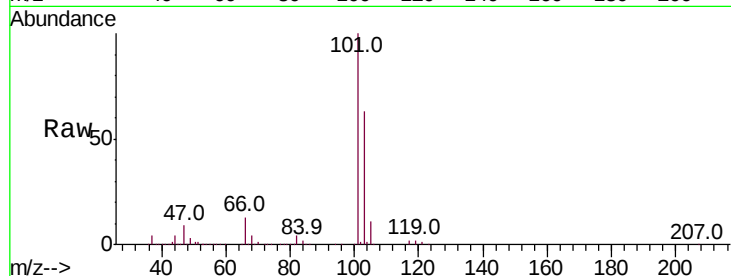


#7

Trichlorofluoromethane
 Concen: 17.937 ug/l
 RT: 1.92 min Scan# 136
 Delta R.T. -0.01 min
 Lab File: VX019090.D
 Acq: 23 Oct 2020 20:37

Instrument :
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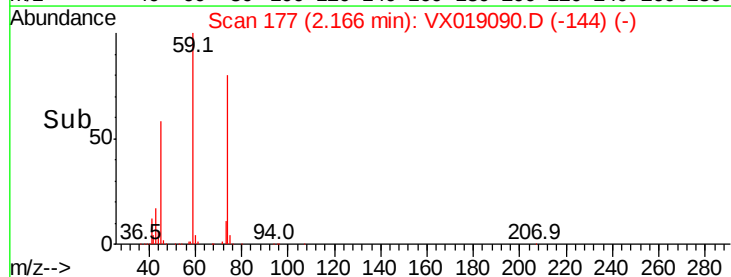
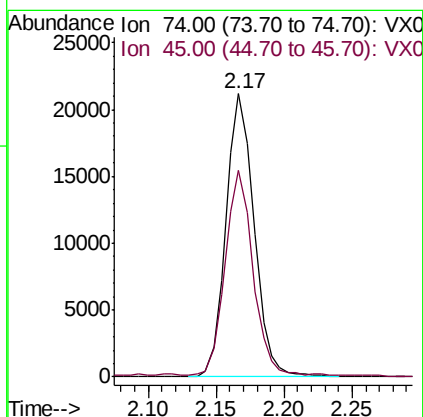
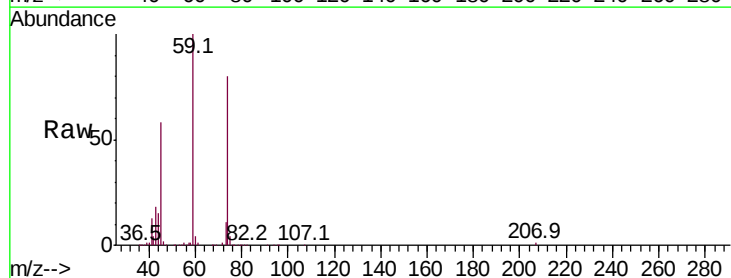
Tot Ion:101 Resp: 80073
 Ion Ratio Lower Upper
 101 100
 103 63.3 54.2 81.4

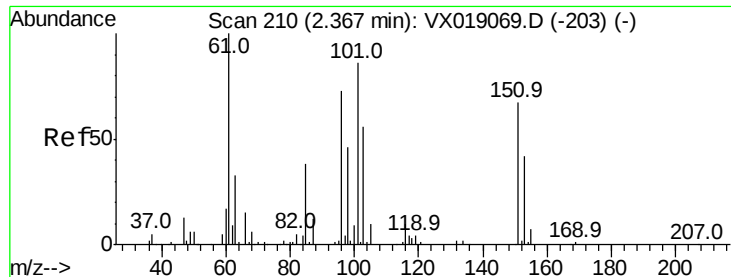


#8

Diethyl Ether
 Concen: 18.236 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VX019090.D
 Acq: 23 Oct 2020 20:37

Tgt Ion: 74 Resp: 30515
 Ion Ratio Lower Upper
 74 100
 45 70.6 14.5 130.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.873 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

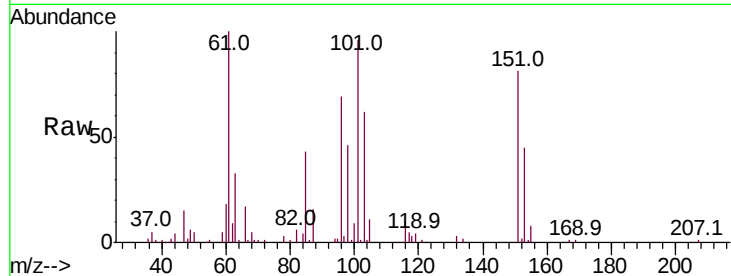
Tot Ion:101 Resp: 38124

Ion Ratio Lower Upper

101 100

85 43.5 0.0 87.0

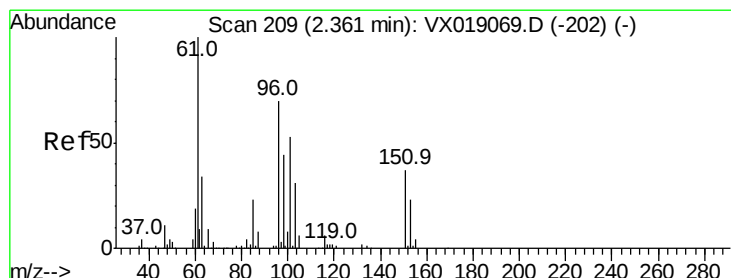
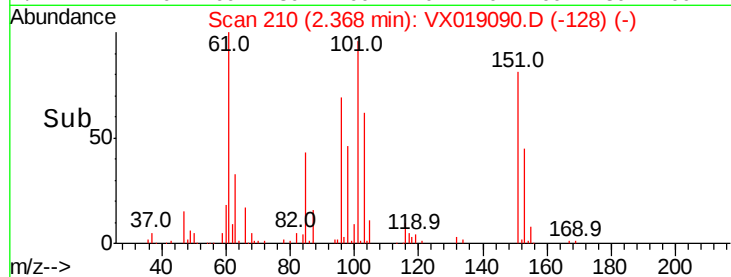
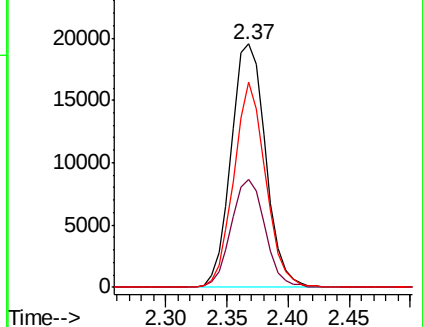
151 77.8 0.0 151.8



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: 17.503 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

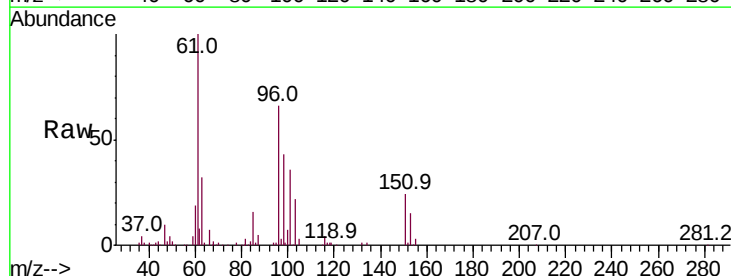
Tgt Ion: 96 Resp: 37955

Ion Ratio Lower Upper

96 100

61 151.3 113.8 170.8

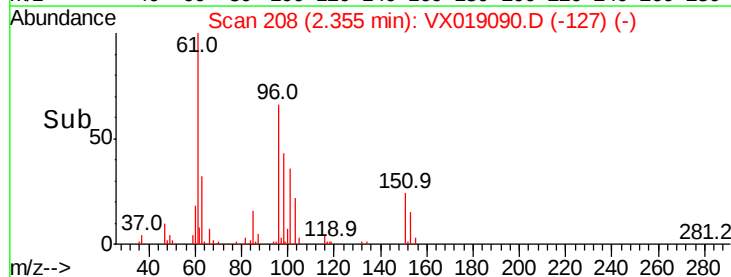
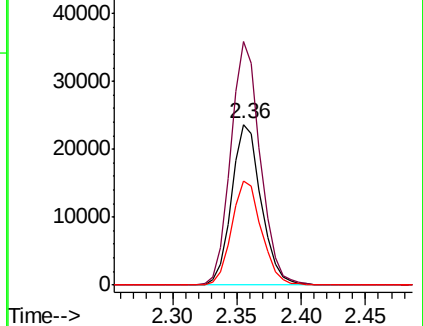
98 64.4 50.4 75.6

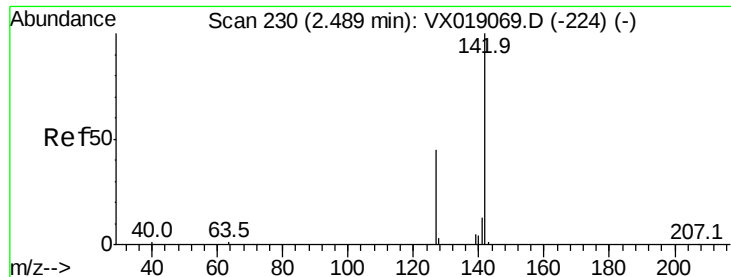


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

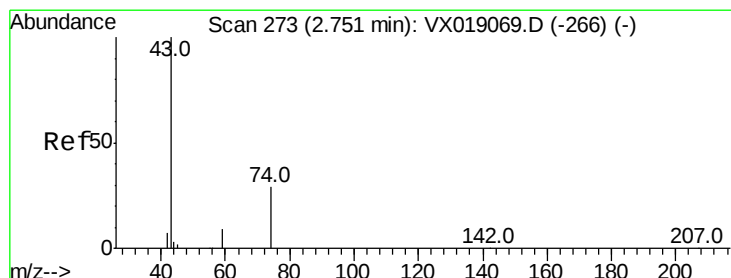
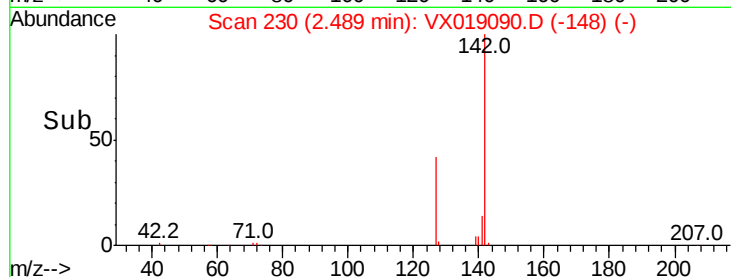
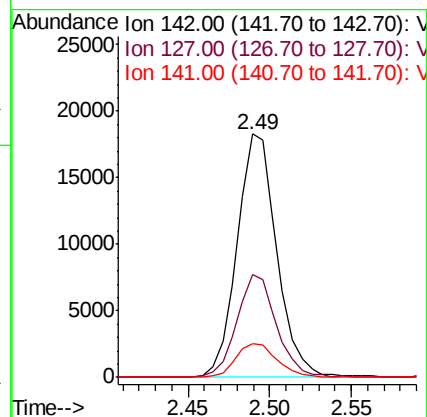
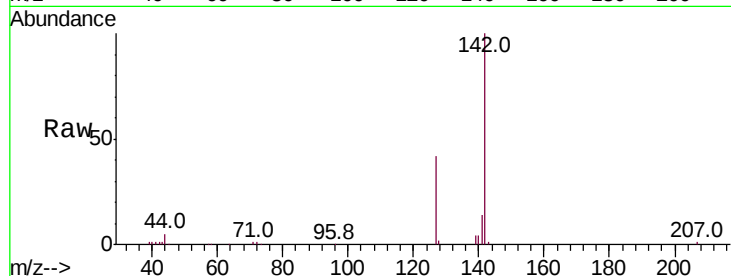




#11
Methvl Iodide
Concen: 18.159 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

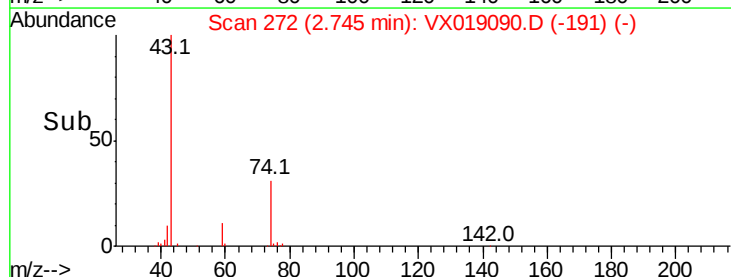
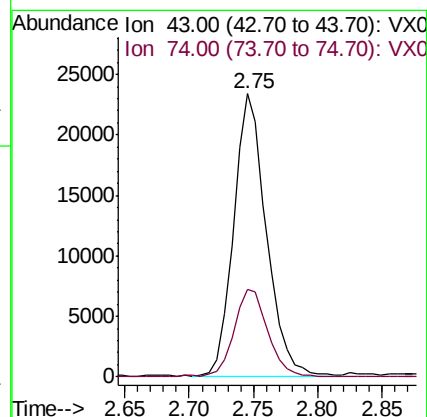
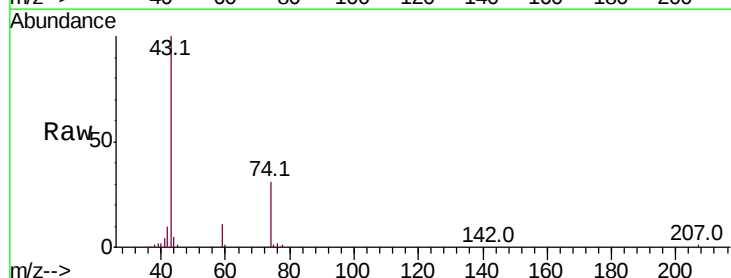
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

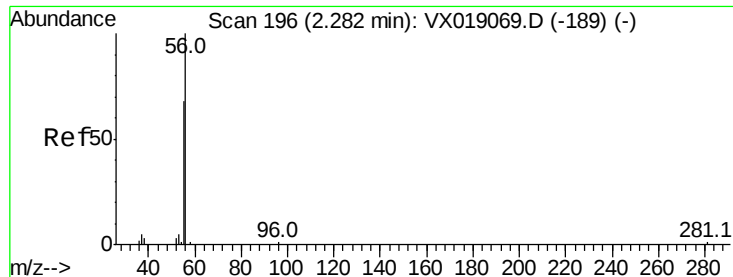
Tot Ion:142 Resp: 30829
Ion Ratio Lower Upper
142 100
127 42.1 22.6 67.7
141 13.6 6.3 19.1



#12
Methyl Acetate
Concen: 19.096 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

Tgt Ion: 43 Resp: 40993
Ion Ratio Lower Upper
43 100
74 30.6 23.9 35.9





#13

Acrolein

Concen: 98.905 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

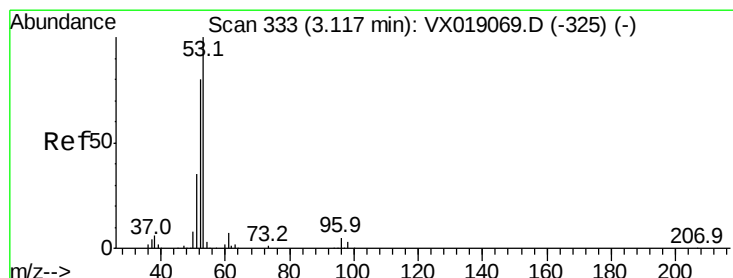
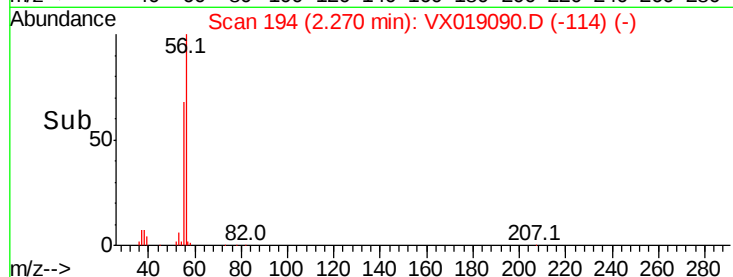
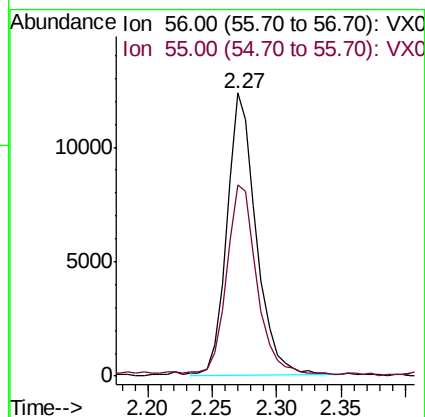
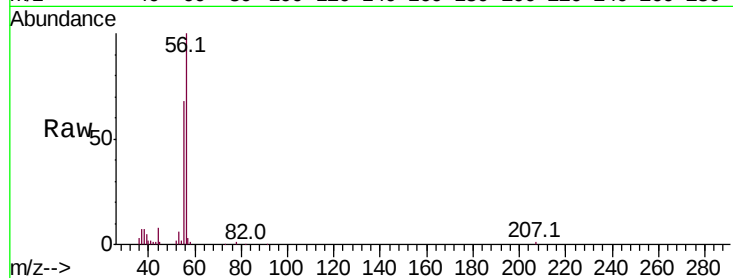
VSTDCCC020EC

Tot Ion: 56 Resp: 19550

Ion Ratio Lower Upper

56 100

55 71.2 58.2 87.2



#14

Acrylonitrile

Concen: 92.071 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

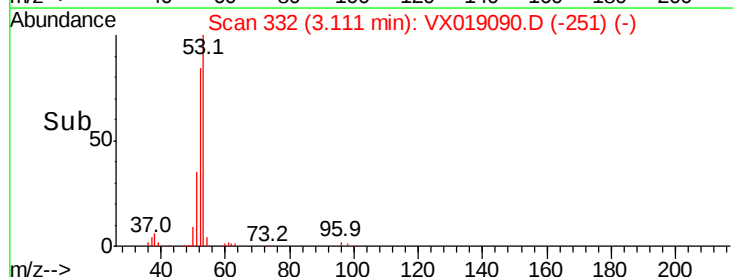
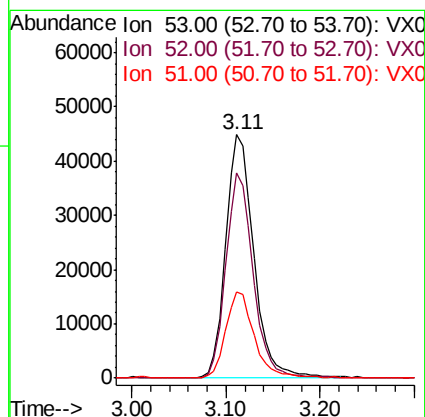
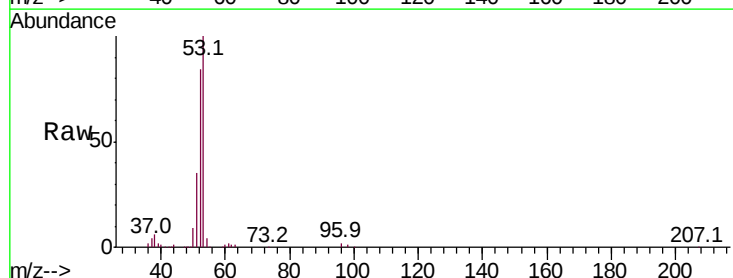
Tgt Ion: 53 Resp: 92856

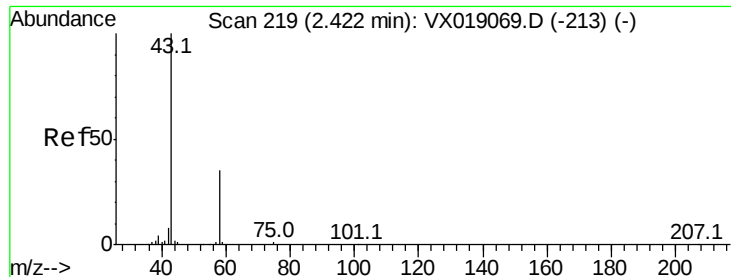
Ion Ratio Lower Upper

53 100

52 81.6 41.0 123.0

51 35.9 18.2 54.6





#15

Acetone

Concen: 98.225 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

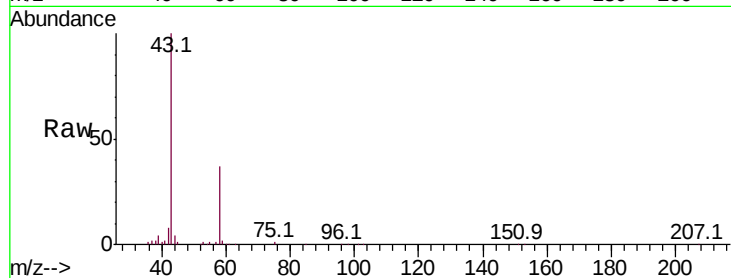
VSTDCCC020EC

Tot Ion: 58 Resp: 28378

Ion Ratio Lower Upper

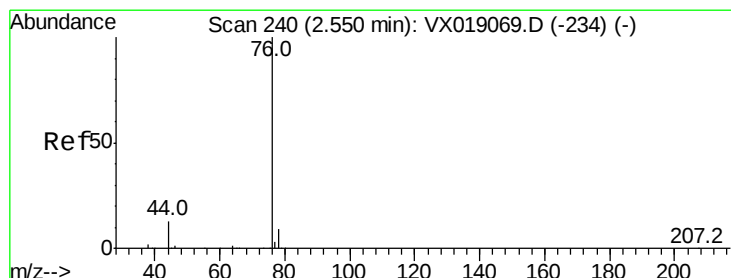
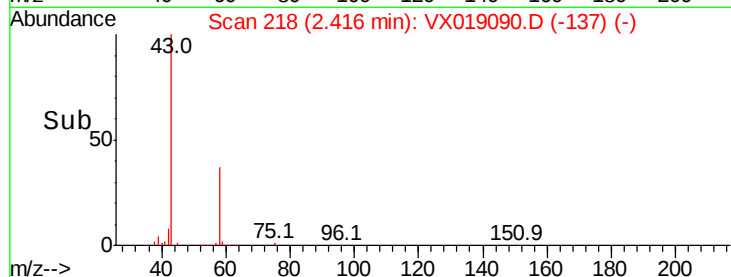
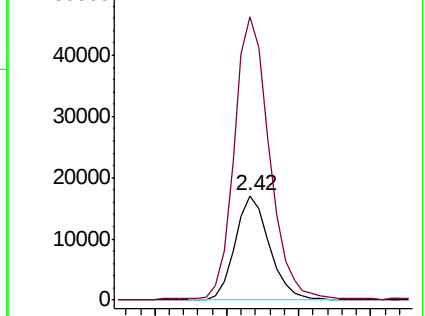
58 100

43 269.5 226.7 340.1



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 17.112 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019090.D

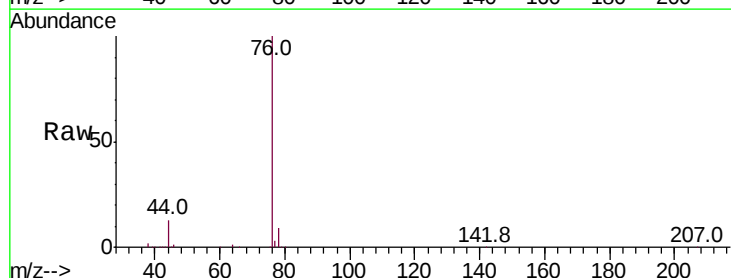
Acq: 23 Oct 2020 20:37

Tgt Ion: 76 Resp: 103144

Ion Ratio Lower Upper

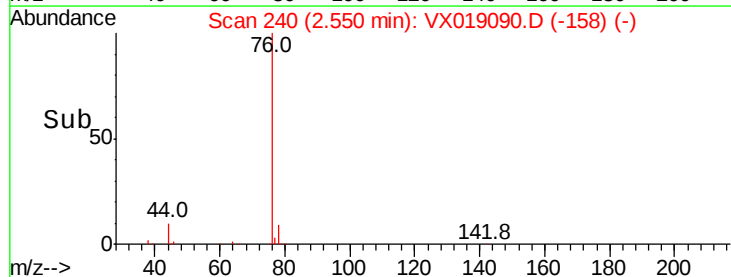
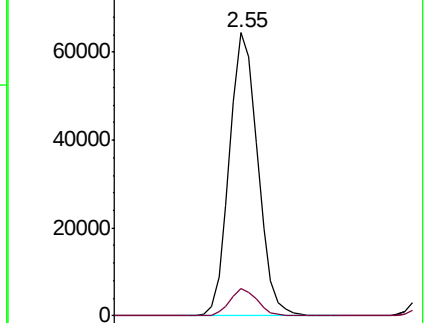
76 100

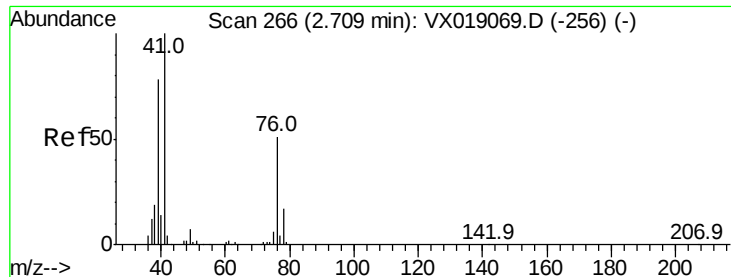
78 9.5 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

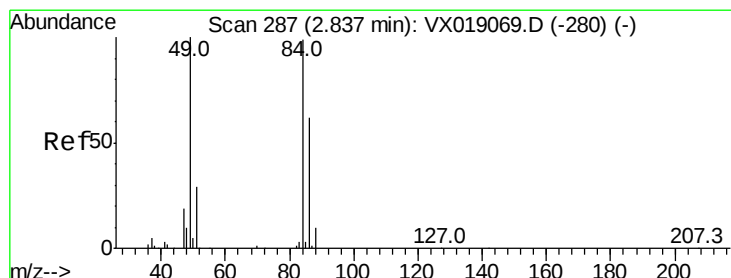
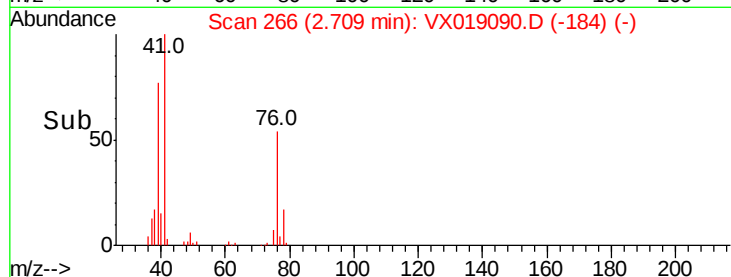
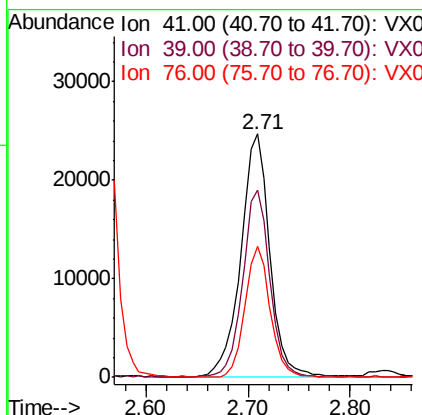
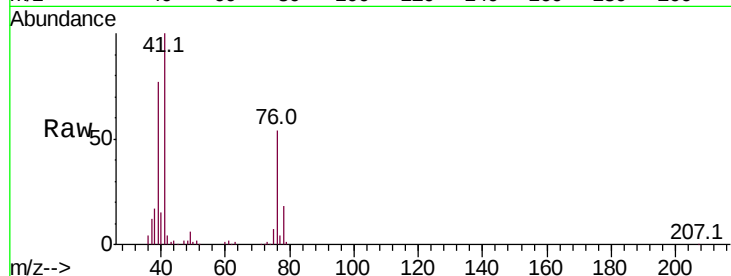




#17
Allvl chloride
Concen: 18.088 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

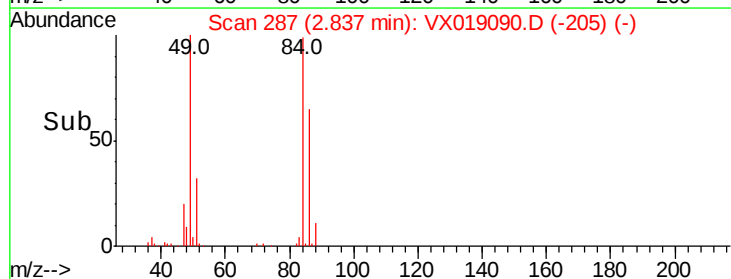
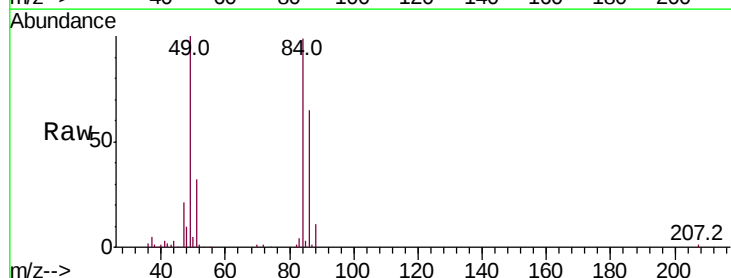
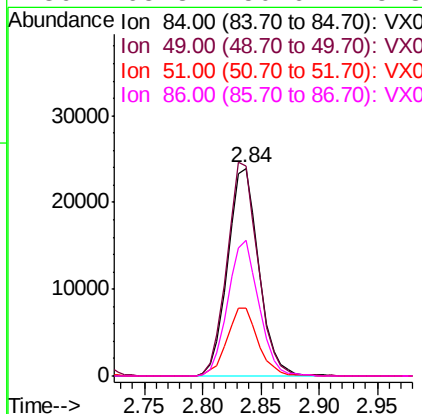
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

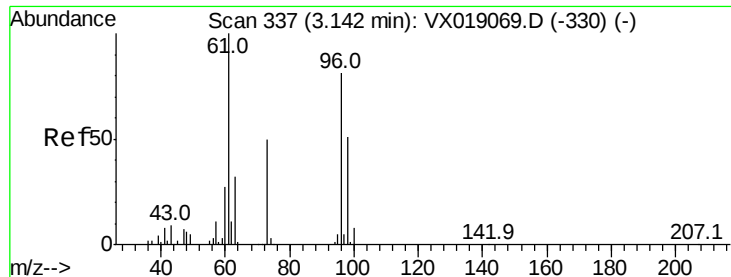
Tot Ion: 41 Resp: 48997
Ion Ratio Lower Upper
41 100
39 76.7 38.8 116.3
76 53.7 25.8 77.4



#18
Methylene Chloride
Concen: 18.052 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

Tgt Ion: 84 Resp: 44643
Ion Ratio Lower Upper
84 100
49 101.2 80.9 121.3
51 32.6 23.8 35.6
86 65.3 50.6 75.8

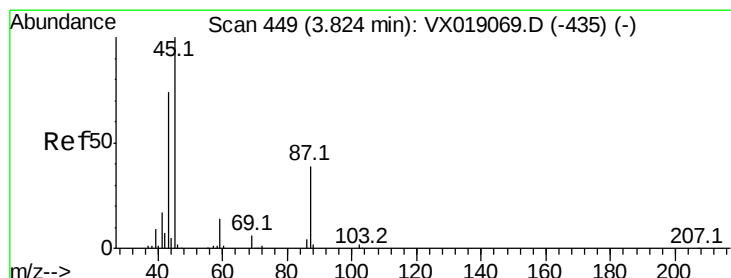
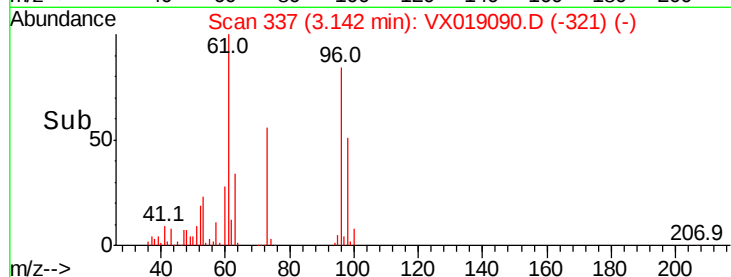
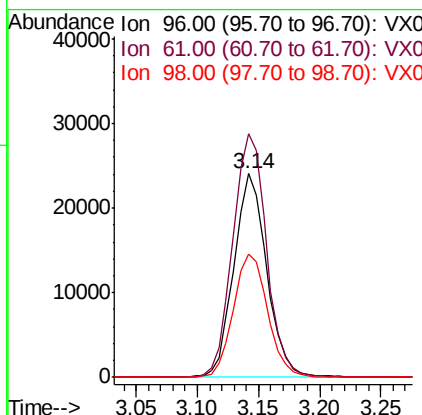
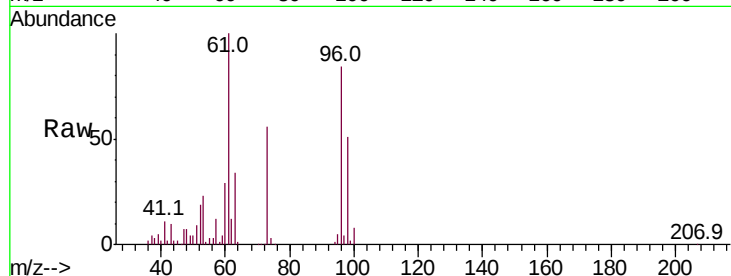




#19
trans-1,2-Dichloroethene
Concen: 17.759 ug/l
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

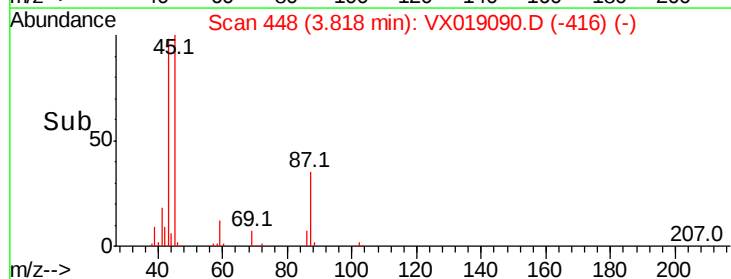
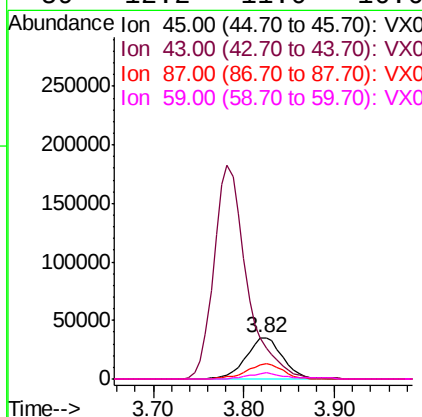
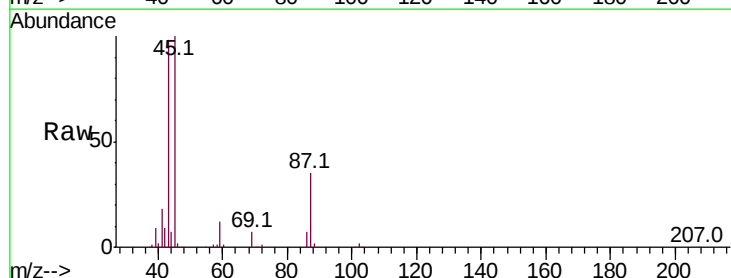
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

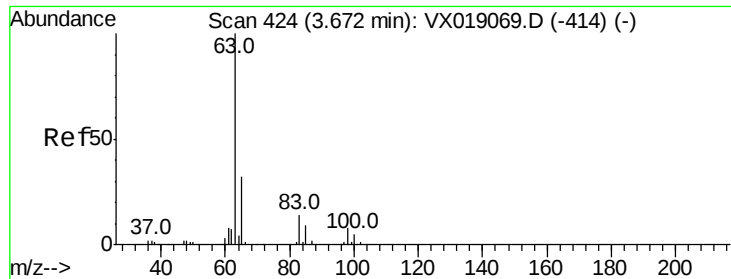
Tot Ion: 96 Resp: 44977
Ion Ratio Lower Upper
96 100
61 119.5 98.4 147.6
98 60.5 49.9 74.9



#20
Diisopropyl ether
Concen: 17.968 ug/l
RT: 3.82 min Scan# 448
Delta R.T. -0.01 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

Tgt Ion: 45 Resp: 98597
Ion Ratio Lower Upper
45 100
43 96.3 60.6 91.0#
87 35.2 30.9 46.3
59 12.2 11.0 16.6

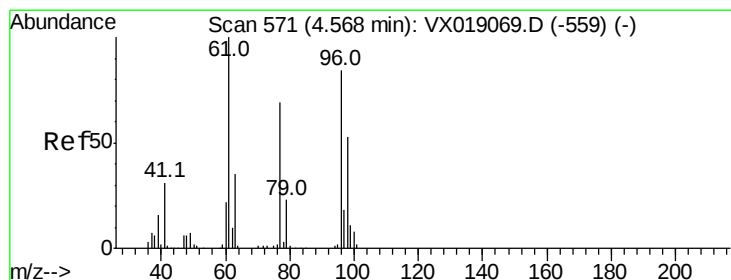
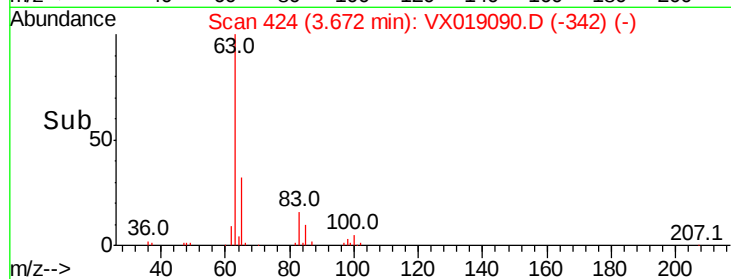
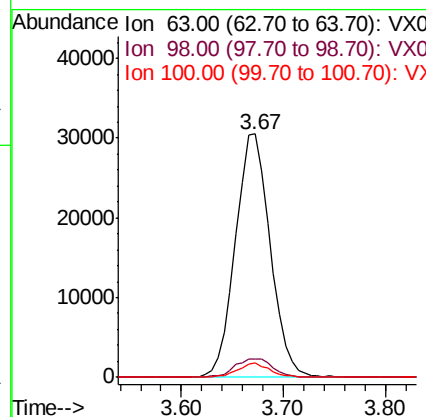
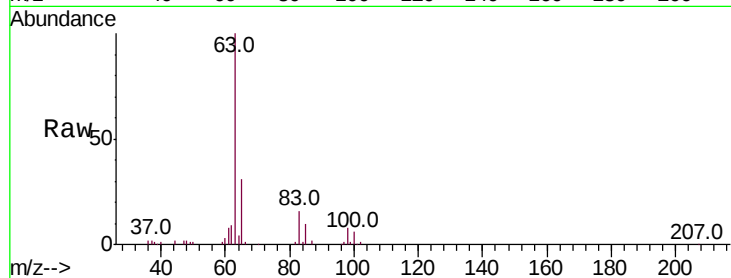




#21
 1,1-Dichloroethane
 Concen: 17.951 ug/l
 RT: 3.67 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: VX019090.D
 Acq: 23 Oct 2020 20:37

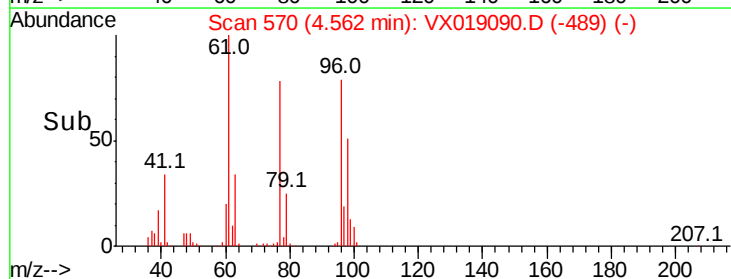
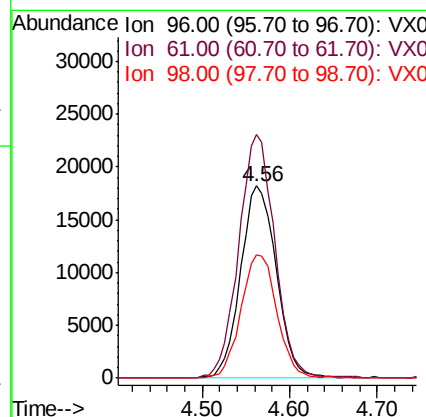
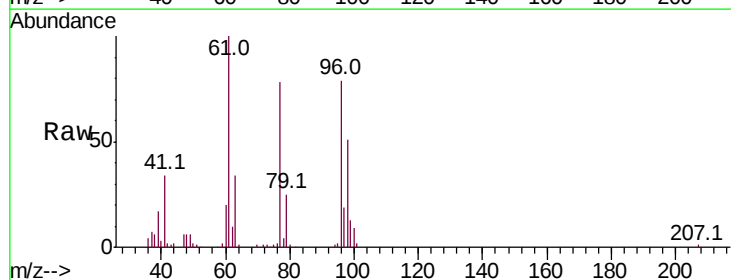
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

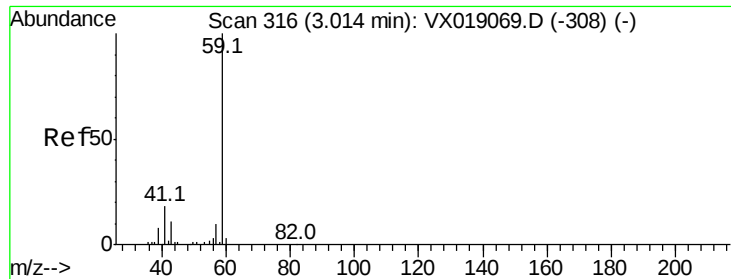
Tot Ion: 63 Resp: 72322
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.9 11.7
 100 5.8 2.4 7.2



#22
 cis-1,2-Dichloroethene
 Concen: 17.687 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: VX019090.D
 Acq: 23 Oct 2020 20:37

Tgt Ion: 96 Resp: 51889
 Ion Ratio Lower Upper
 96 100
 61 127.0 101.9 152.9
 98 64.2 51.3 76.9





#23

tert-Butyl Alcohol

Concen: 94.246 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

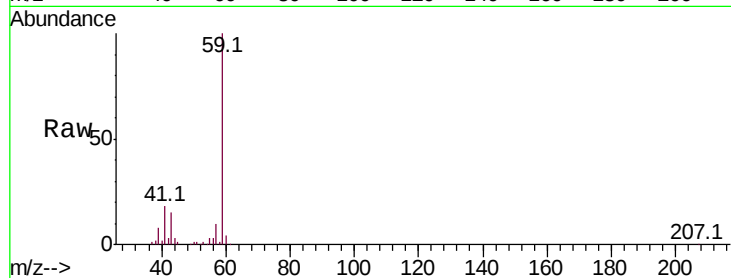
VSTDCCC020EC

Tot Ion: 59 Resp: 46081

Ion Ratio Lower Upper

59 100

52 0.1 0.2 0.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

40000

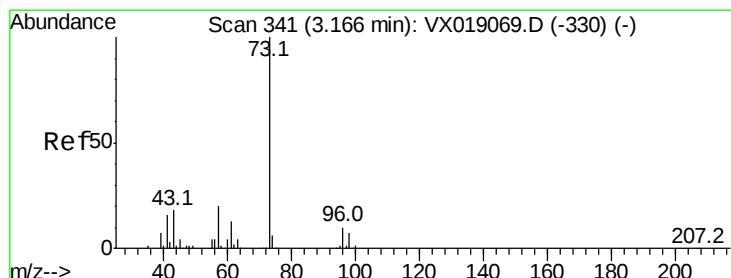
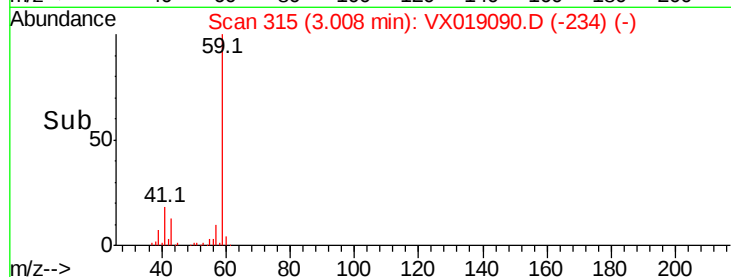
30000

20000

10000

0

Time--> 2.90 3.00 3.10



#24

Methyl tert-Butyl Ether

Concen: 17.967 ug/l

RT: 3.17 min Scan# 341

Delta R.T. 0.00 min

Lab File: VX019090.D

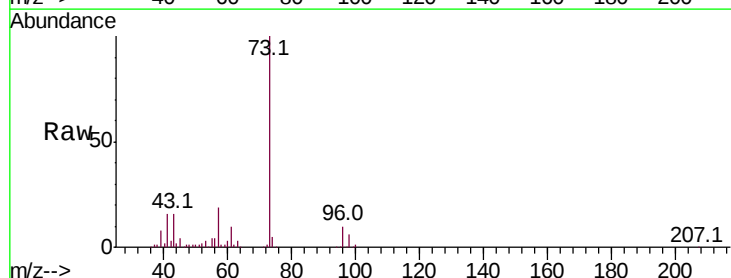
Acq: 23 Oct 2020 20:37

Tgt Ion: 73 Resp: 123198

Ion Ratio Lower Upper

73 100

43 17.0 13.9 20.9



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

60000

50000

40000

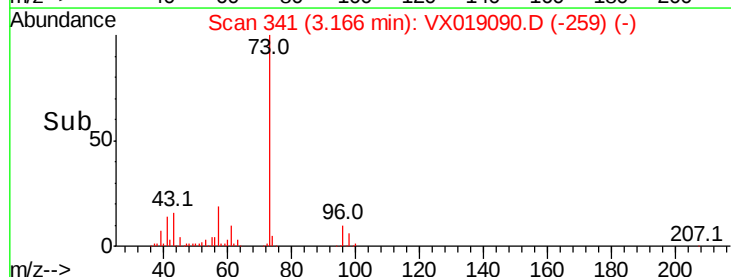
30000

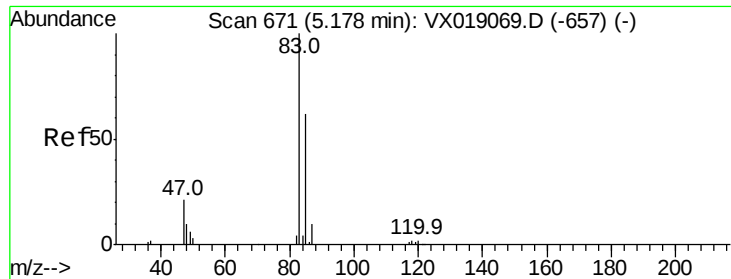
20000

10000

0

Time--> 3.10 3.20





#25

Chloroform

Concen: 18.062 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

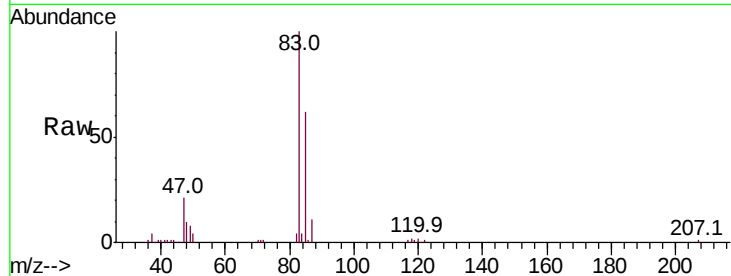
VSTDCCC020EC

Tot Ion: 83 Resp: 80629

Ion Ratio Lower Upper

83 100

85 62.1 49.8 74.8



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

30000

25000

20000

15000

10000

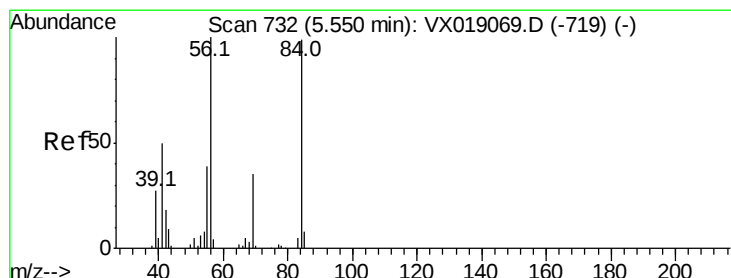
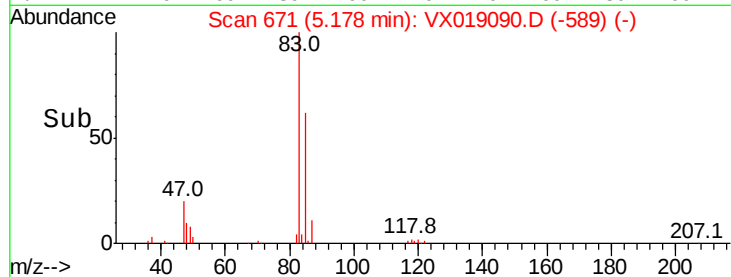
5000

0

Time-->

5.10 5.20 5.30

5.18



#26

Cyclohexane

Concen: 17.617 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

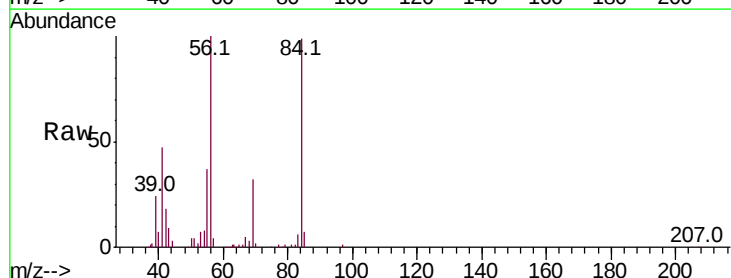
Tgt Ion: 56 Resp: 55153

Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

84 102.2 83.7 125.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

30000

20000

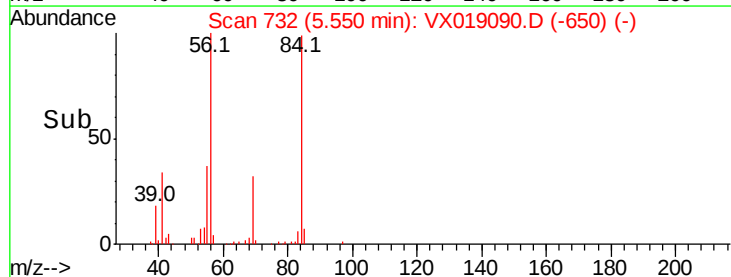
10000

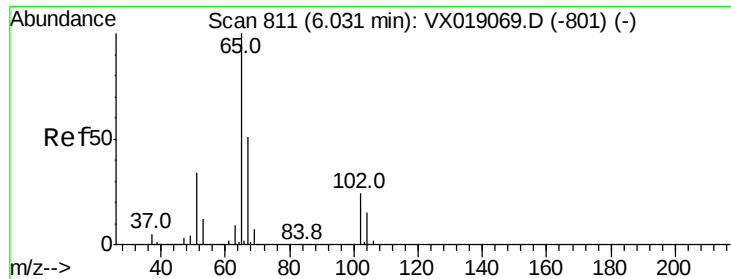
0

Time-->

5.50 5.60

5.55





#27

1,2-Dichloroethane-d4

Concen: 30.777 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

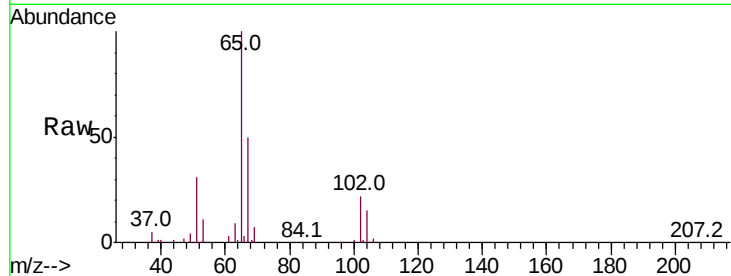
VSTDCCC020EC

Tot Ion: 65 Resp: 88310

Ion Ratio Lower Upper

65 100

67 52.3 42.0 63.0



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.03

40000

30000

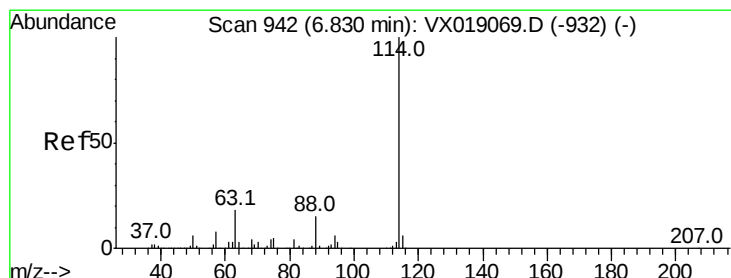
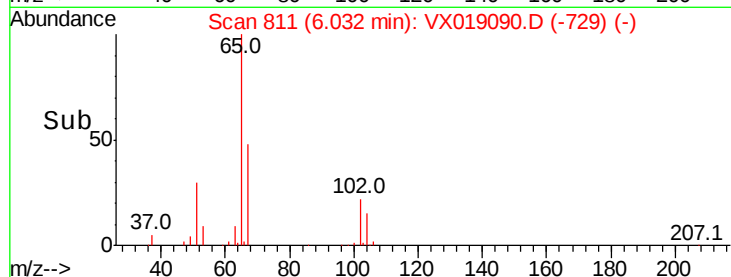
20000

10000

0

5.90 6.00 6.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

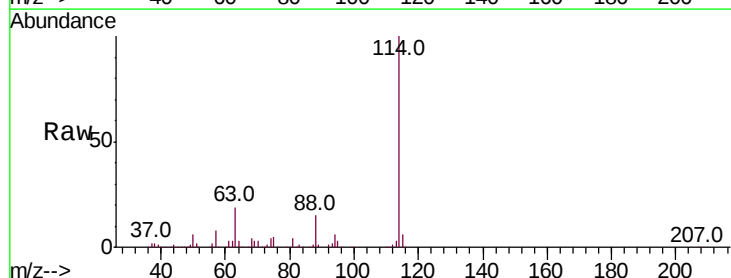
Tgt Ion: 114 Resp: 241871

Ion Ratio Lower Upper

114 100

63 18.4 14.6 21.8

88 15.2 12.2 18.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

6.83

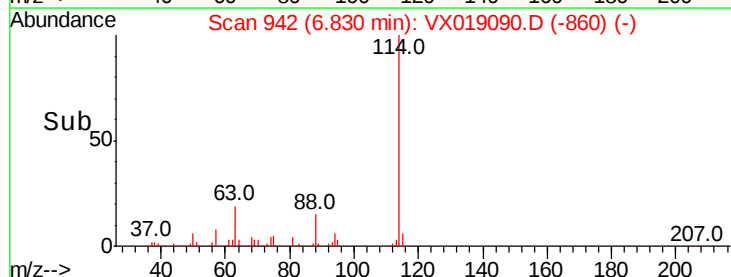
100000

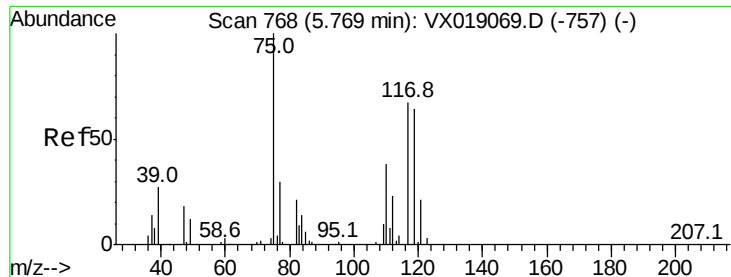
50000

0

6.70 6.80 6.90

Time-->





#29

1,1-Dichloropropene

Concen: 17.431 ug/l

RT: 5.77 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

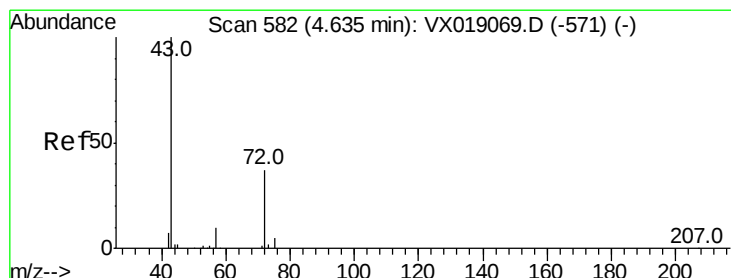
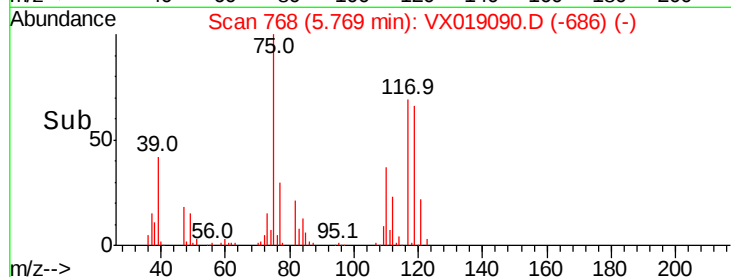
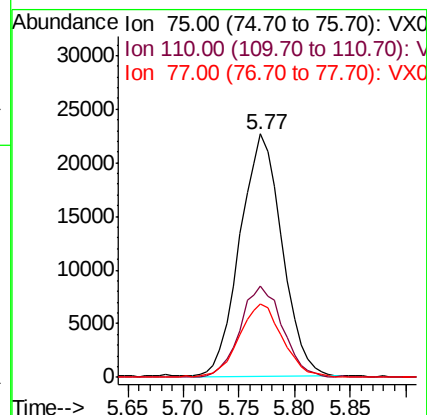
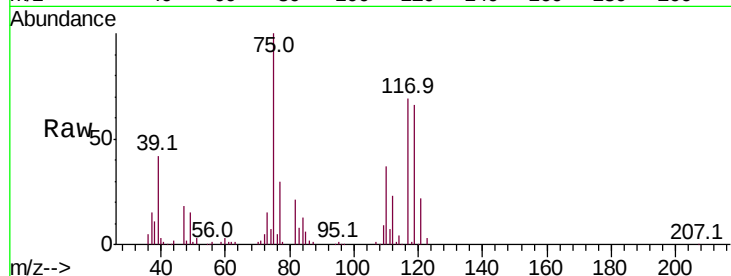
Tot Ion: 75 Resp: 59476

Ion Ratio Lower Upper

75 100

110 38.0 0.0 77.4

77 31.4 0.0 62.8



#30

2-Butanone

Concen: 92.715 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

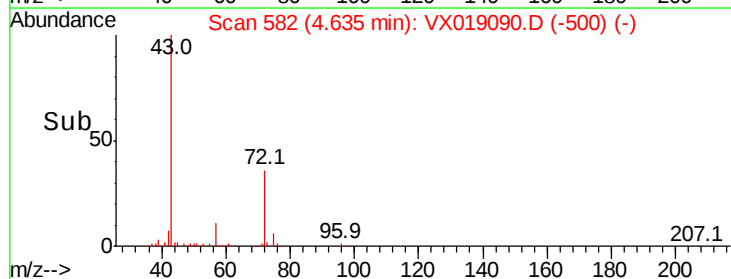
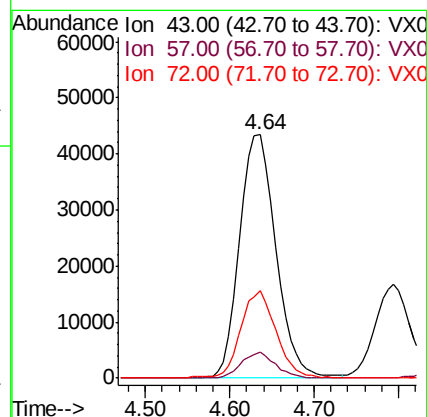
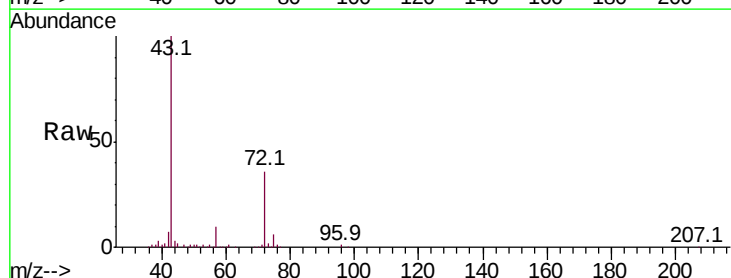
Tgt Ion: 43 Resp: 126031

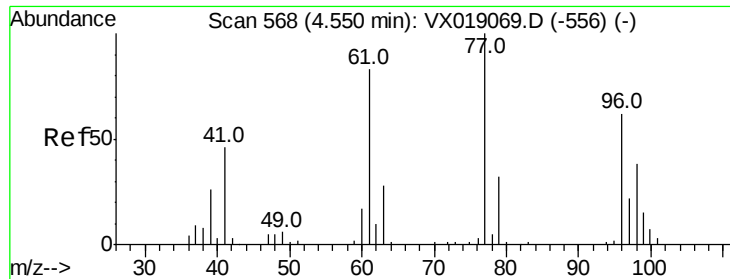
Ion Ratio Lower Upper

43 100

57 9.9 7.8 11.6

72 34.0 28.1 42.1

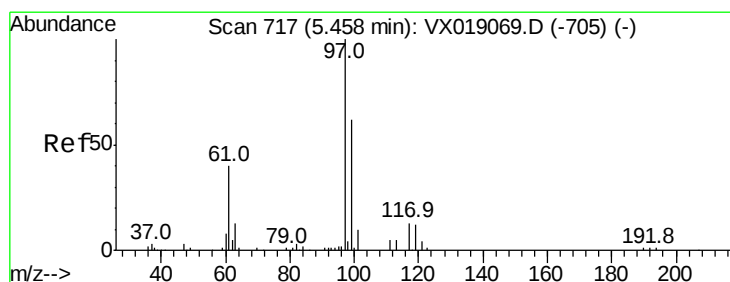
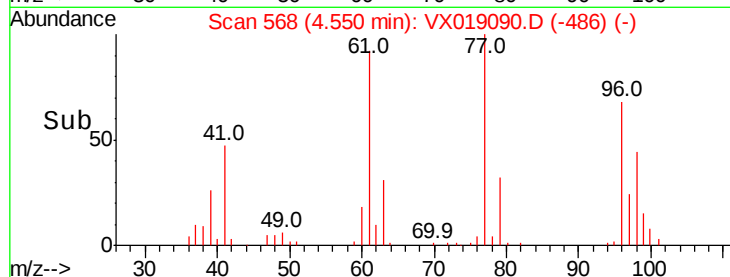
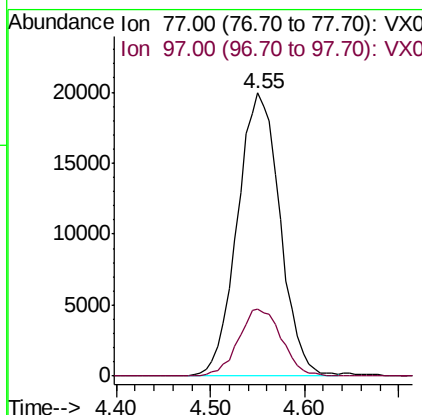
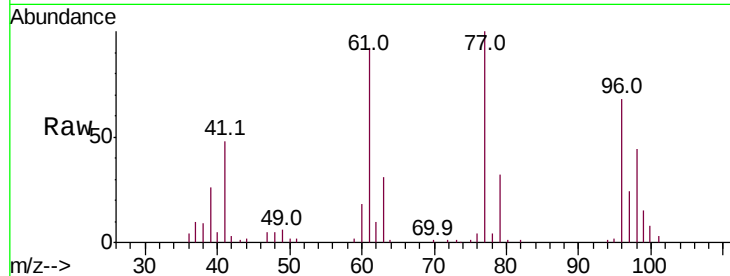




#31
 2,2-Dichloropropane
 Concen: 16.129 ug/l
 RT: 4.55 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VX019090.D
 Acq: 23 Oct 2020 20:37

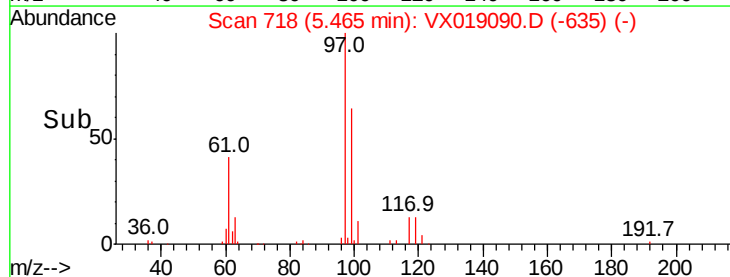
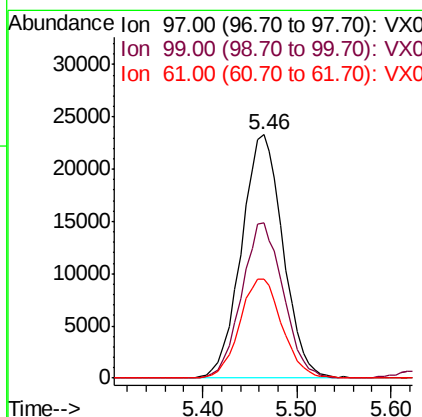
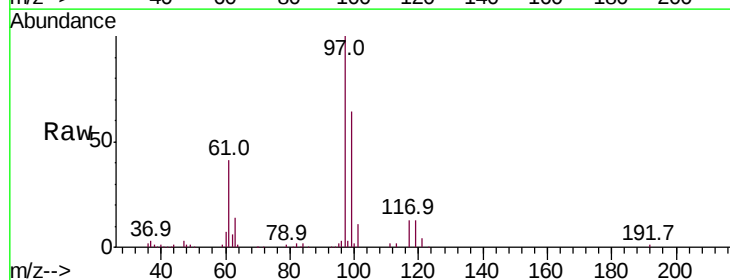
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

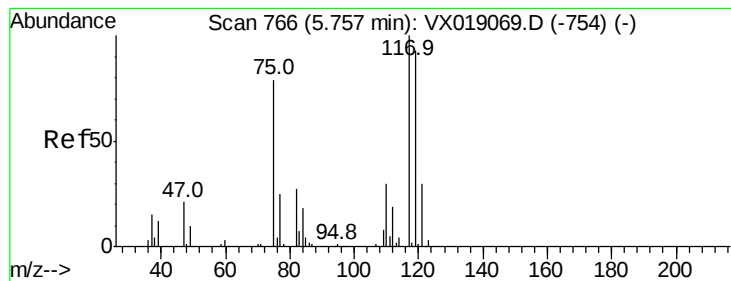
Tot Ion: 77 Resp: 62967
 Ion Ratio Lower Upper
 77 100
 97 23.9 19.2 28.8



#32
 1,1,1-Trichloroethane
 Concen: 17.519 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019090.D
 Acq: 23 Oct 2020 20:37

Tgt Ion: 97 Resp: 71847
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.0 76.6
 61 41.6 32.0 48.0





#33

Carbon Tetrachloride

Concen: 17.110 ug/l

RT: 5.75 min Scan# 765

Delta R.T. -0.01 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

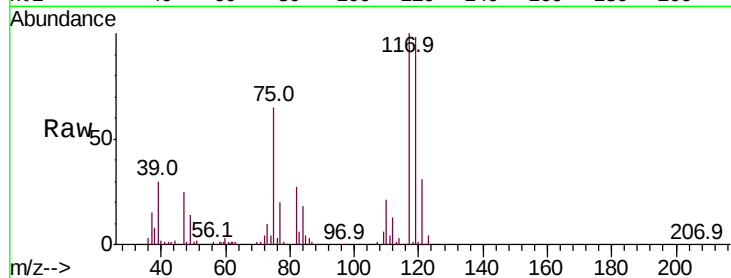
Tot Ion:117 Resp: 60895

Ion Ratio Lower Upper

117 100

119 97.8 74.5 111.7

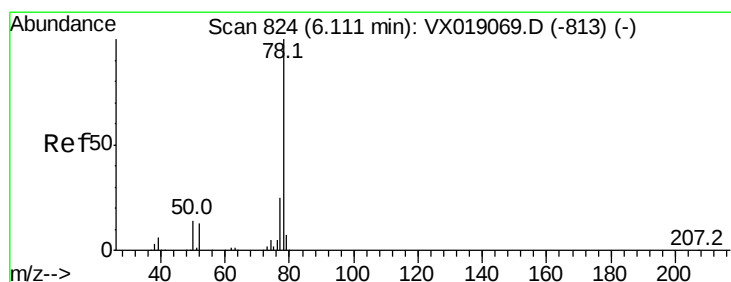
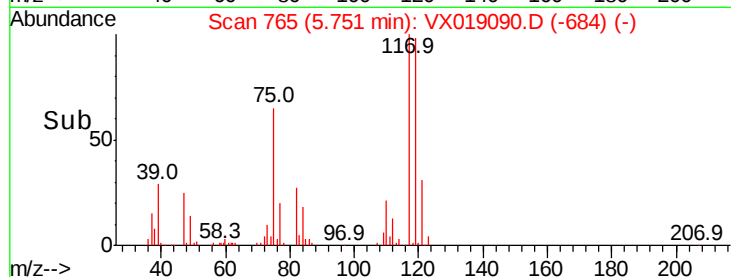
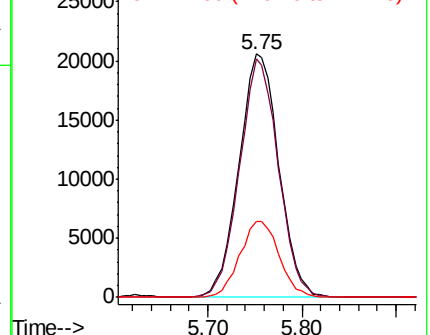
121 31.2 24.1 36.1



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: 17.893 ug/l

RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

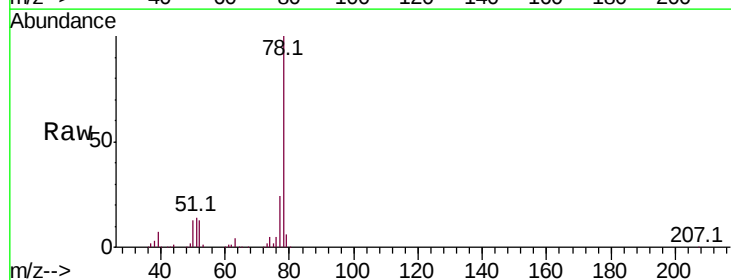
Tgt Ion: 78 Resp: 179647

Ion Ratio Lower Upper

78 100

77 23.8 20.1 30.1

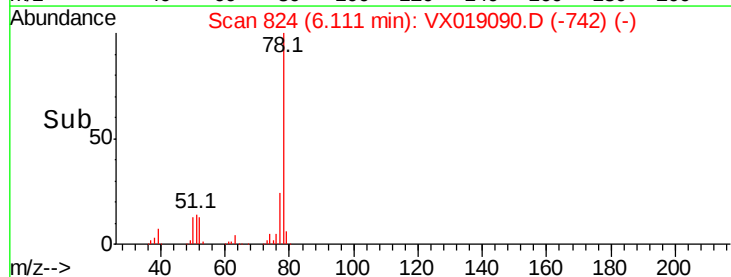
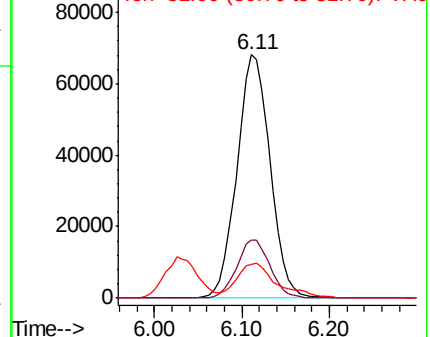
51 13.5 11.0 16.4

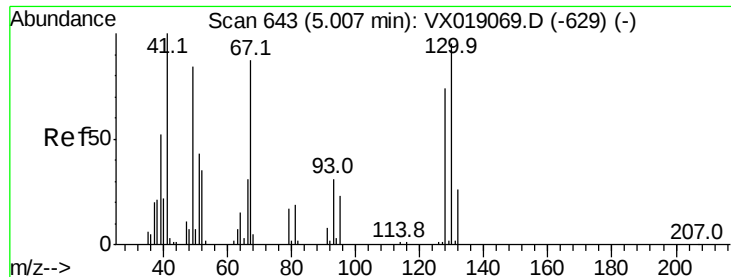


Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

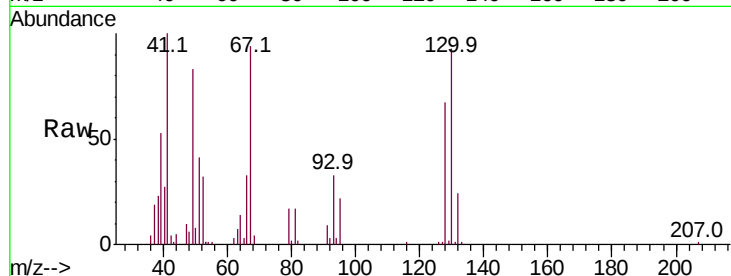




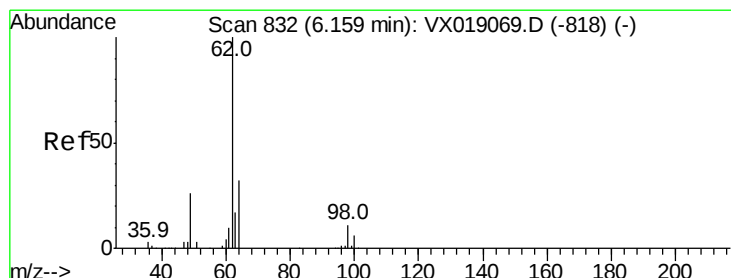
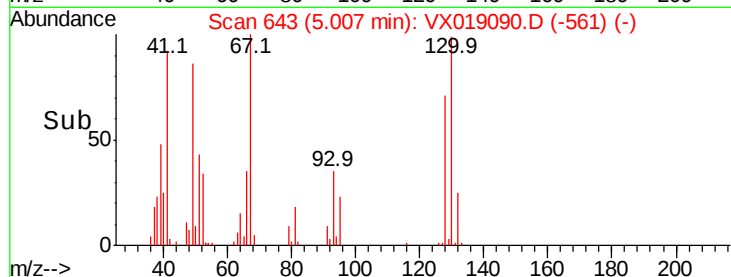
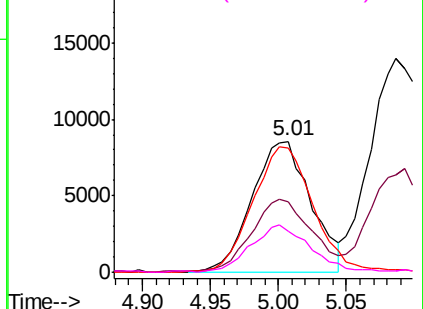
#35
Methacrylonitrile
Concen: 17.653 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 41 Resp: 25977
Ion Ratio Lower Upper
41 100
39 52.7 25.8 77.4
67 93.8 43.6 130.8
52 30.9 17.3 51.7

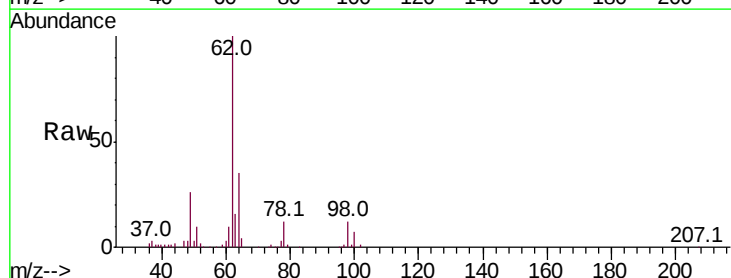


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

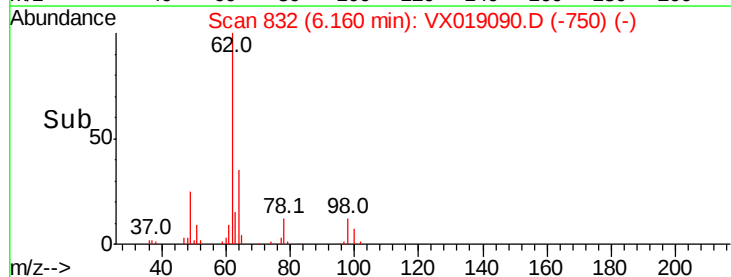
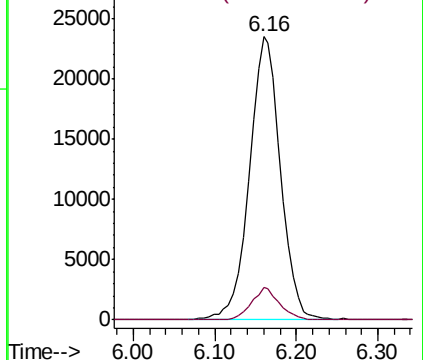


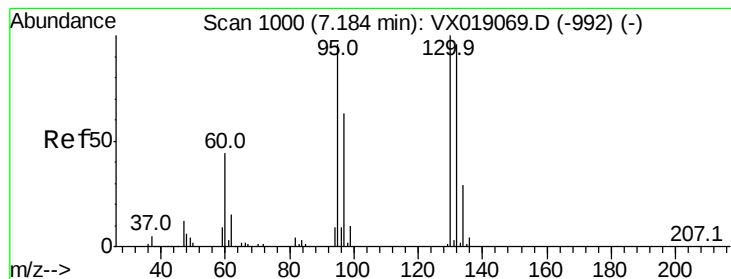
#36
1,2-Dichloroethane
Concen: 18.089 ug/l
RT: 6.16 min Scan# 832
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

Tgt Ion: 62 Resp: 62299
Ion Ratio Lower Upper
62 100
98 10.3 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 17.354 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

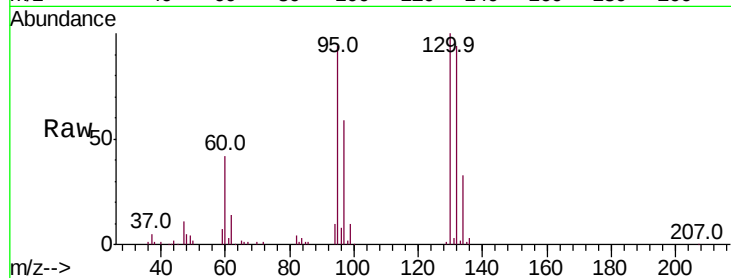
VSTDCCC020EC

Tot Ion:130 Resp: 50080

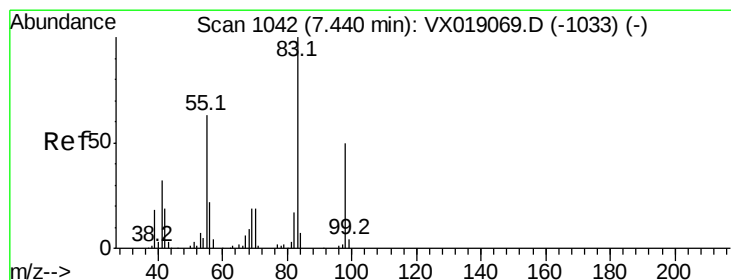
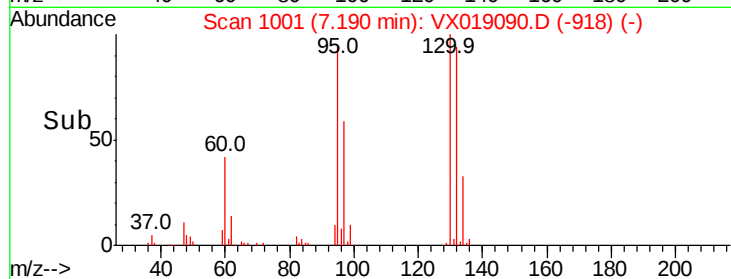
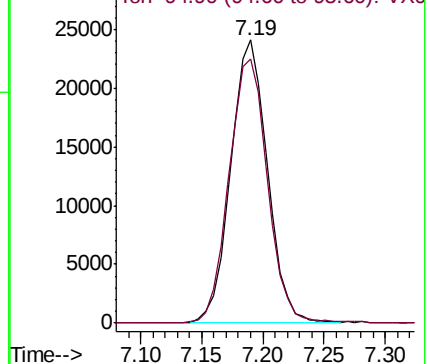
Ion Ratio Lower Upper

130 100

95 93.1 76.8 115.2



Abundance Ion 129.90 (129.60 to 130.60): VX019069.D (-992) (-)



#38

Methylcyclohexane

Concen: 16.913 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

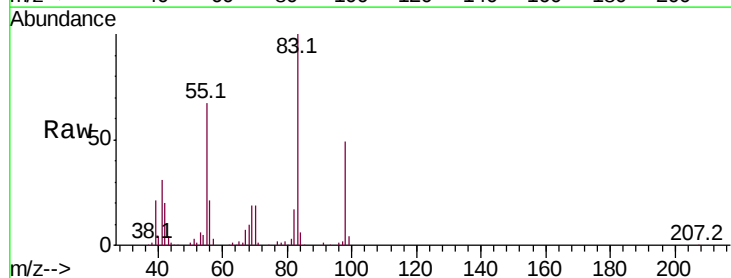
Tgt Ion: 83 Resp: 64687

Ion Ratio Lower Upper

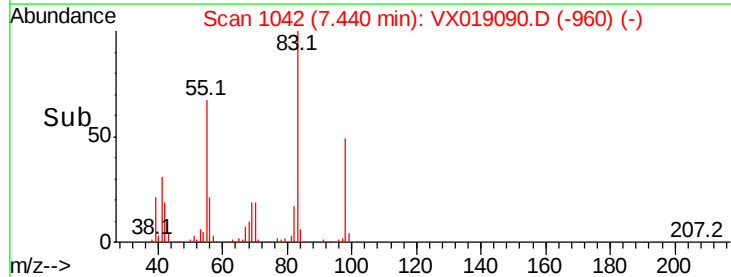
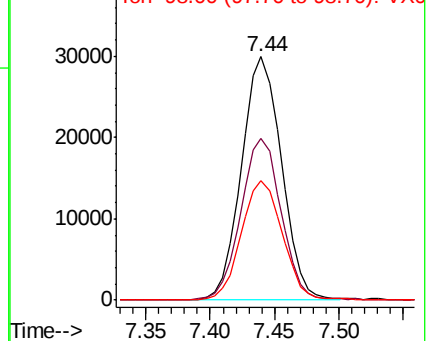
83 100

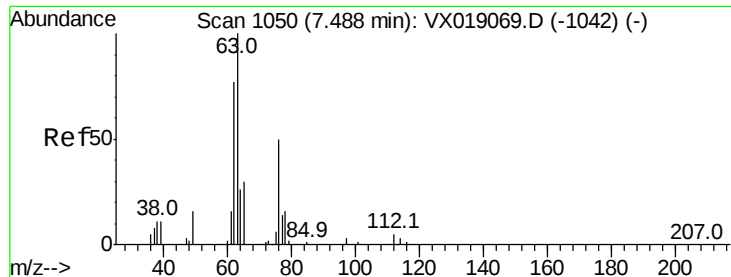
55 66.2 32.3 96.8

98 50.5 25.7 77.1



Abundance Ion 83.00 (82.70 to 83.70): VX019069.D (-1033) (-)





#39

1,2-Dichloropropane

Concen: 18.321 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

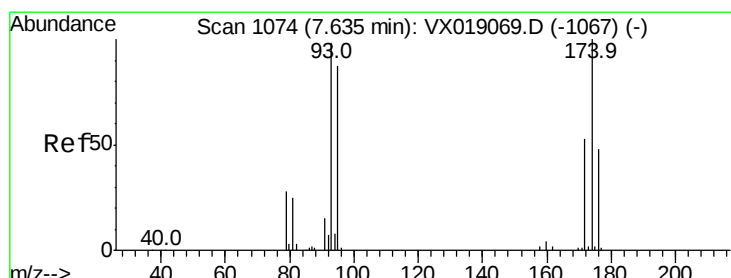
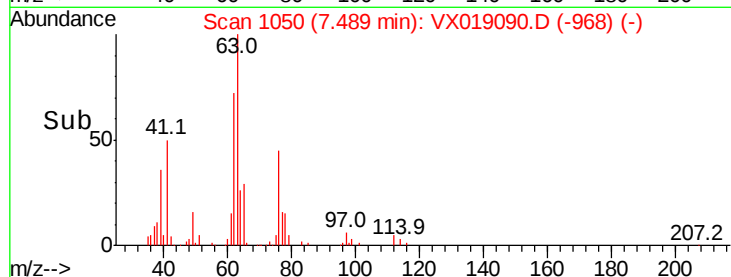
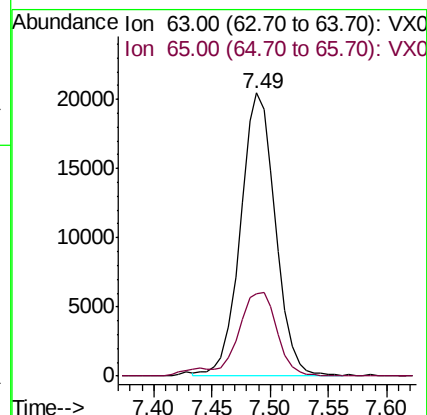
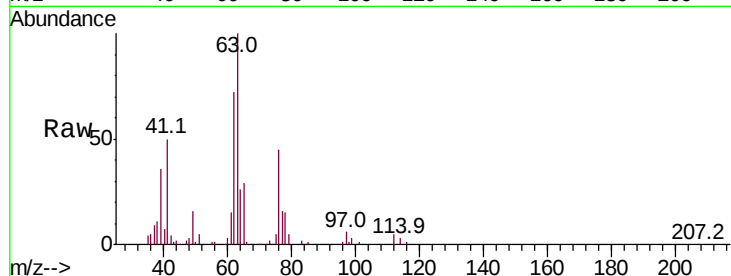
VSTDCCC020EC

Tot Ion: 63 Resp: 42696

Ion Ratio Lower Upper

63 100

65 29.3 25.8 38.8



#40

Dibromomethane

Concen: 17.897 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

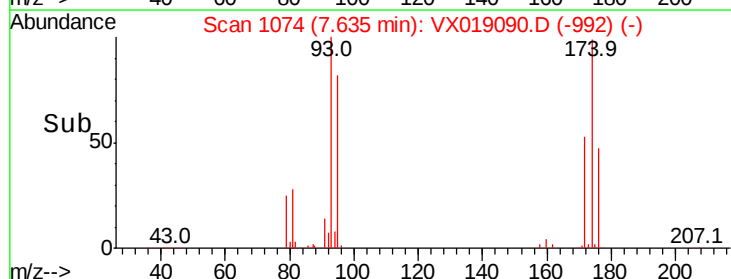
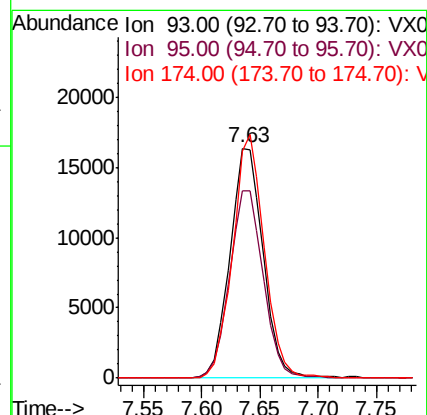
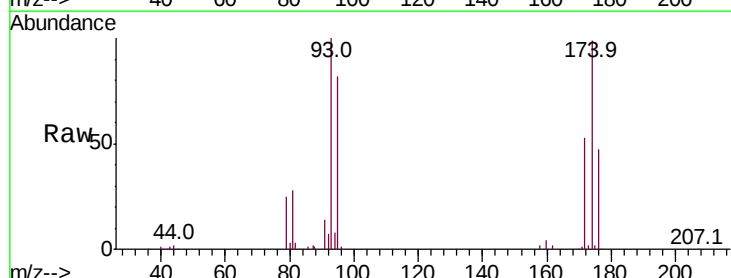
Tgt Ion: 93 Resp: 32370

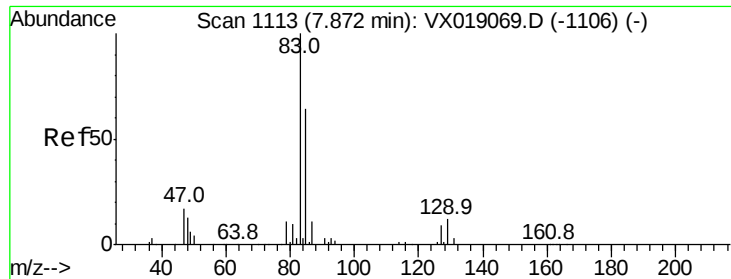
Ion Ratio Lower Upper

93 100

95 82.5 0.0 169.0

174 100.6 0.0 205.4





#41

Bromodichloromethane

Concen: 17.461 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

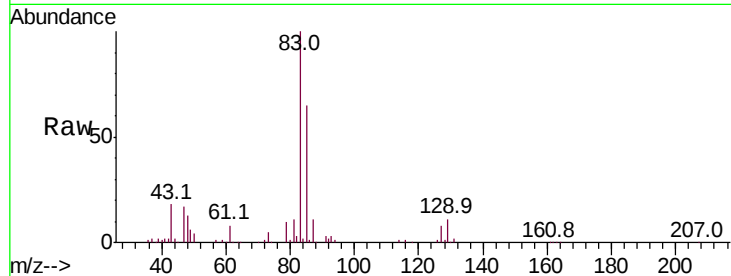
Tot Ion: 83 Resp: 62438

Ion Ratio Lower Upper

83 100

85 64.6 51.2 76.8

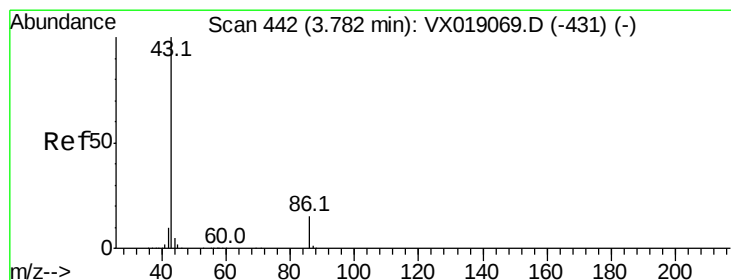
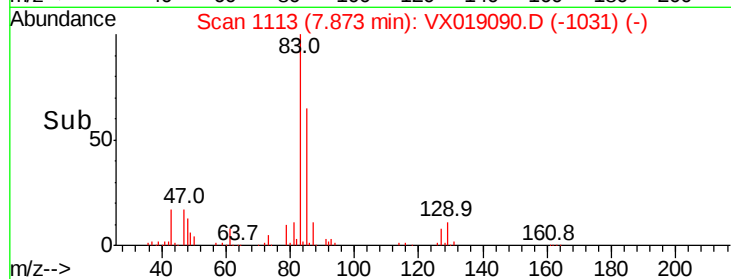
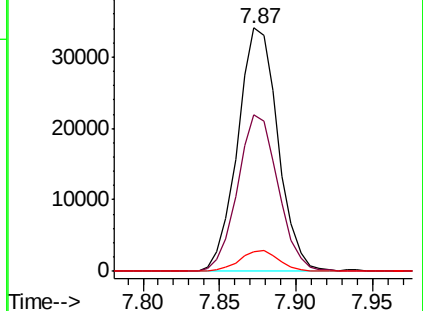
127 8.3 7.1 10.7



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: 87.807 ug/l

RT: 3.78 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX019090.D

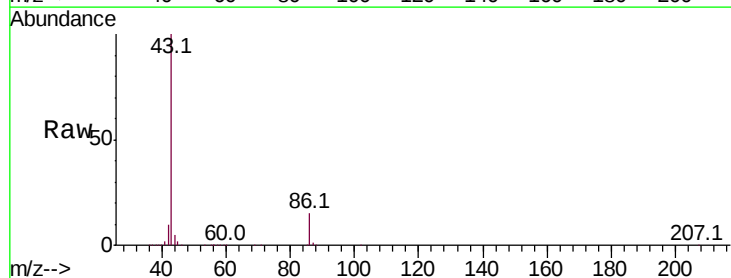
Acq: 23 Oct 2020 20:37

Tgt Ion: 43 Resp: 464425

Ion Ratio Lower Upper

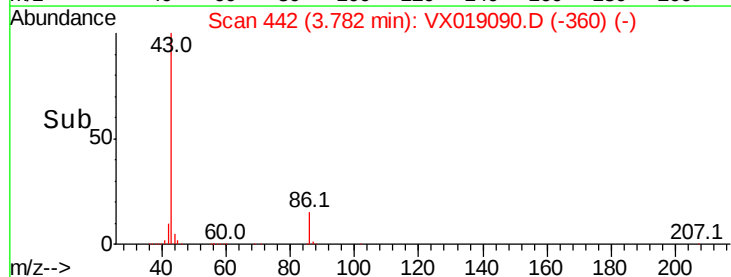
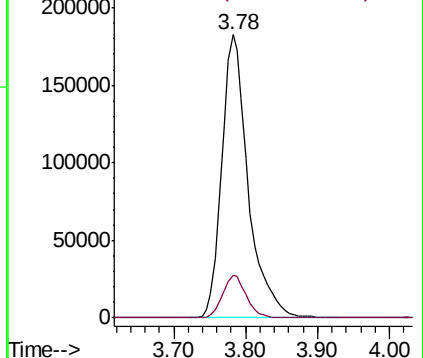
43 100

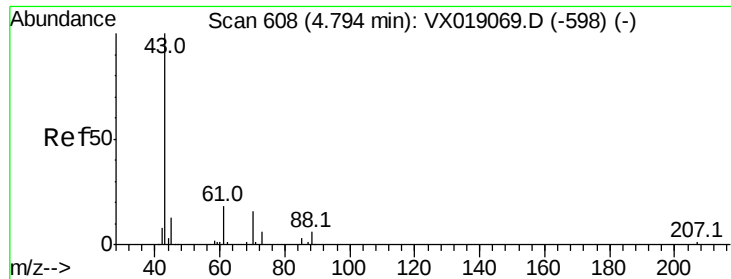
86 13.4 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

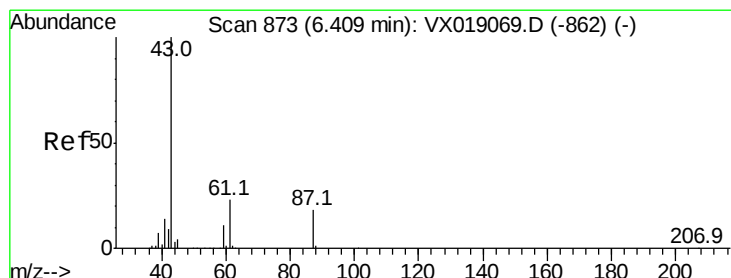
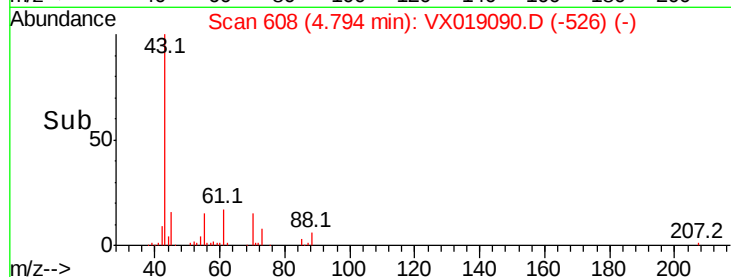
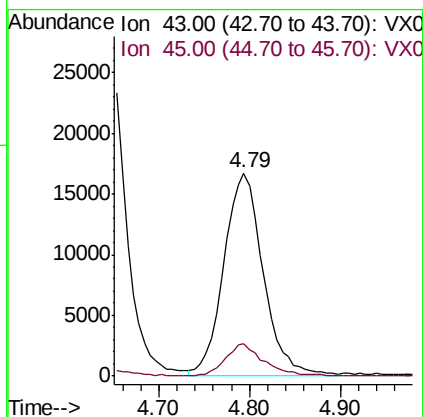
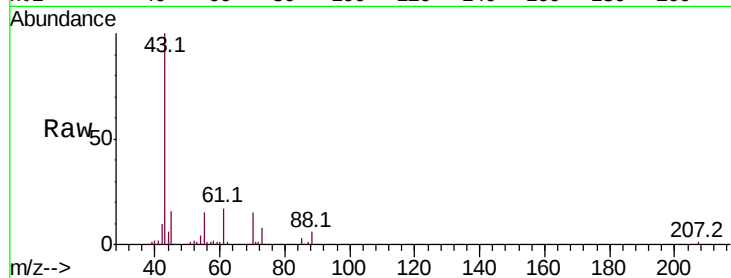




#43
Ethyl Acetate
Concen: 17.509 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

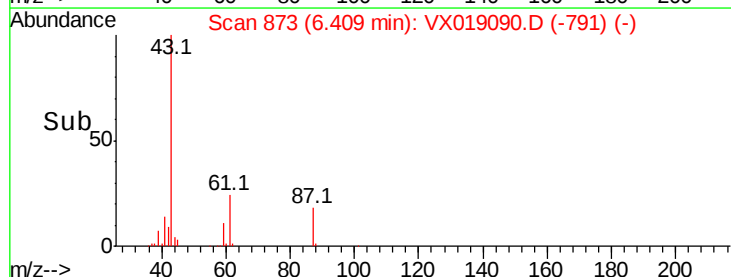
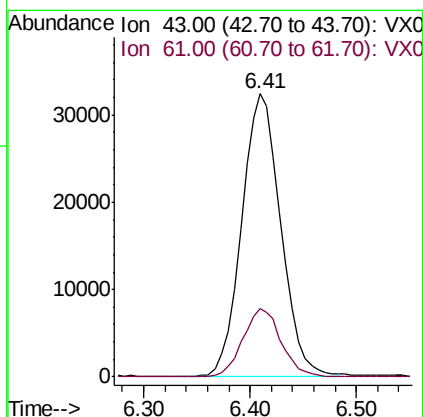
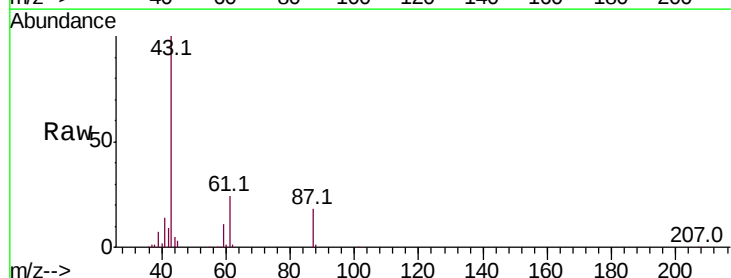
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

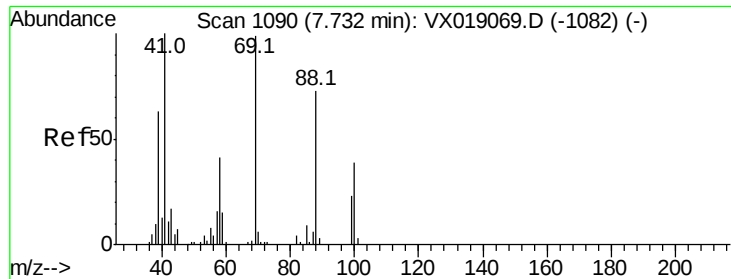
Tot Ion: 43 Resp: 49929
Ion Ratio Lower Upper
43 100
45 15.4 12.7 19.1



#44
Isopropyl Acetate
Concen: 17.276 ug/l
RT: 6.41 min Scan# 873
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

Tgt Ion: 43 Resp: 82497
Ion Ratio Lower Upper
43 100
61 23.7 19.1 28.7





#45

1,4-Dioxane

Concen: 367.529 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.02 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

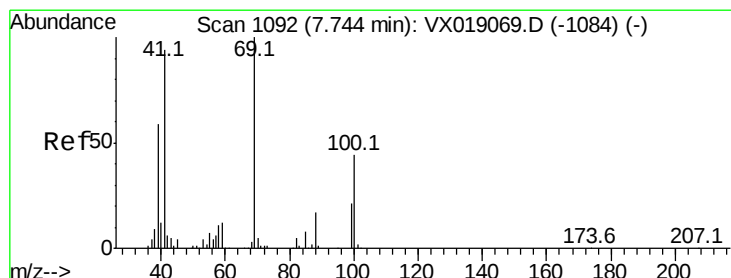
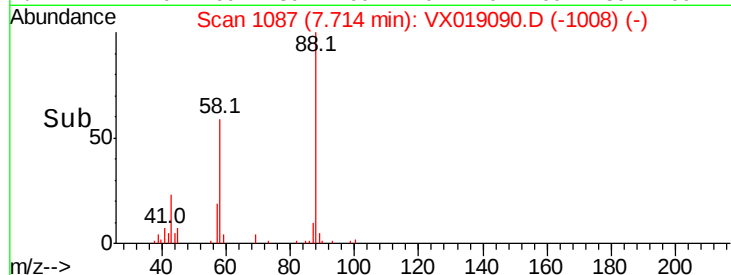
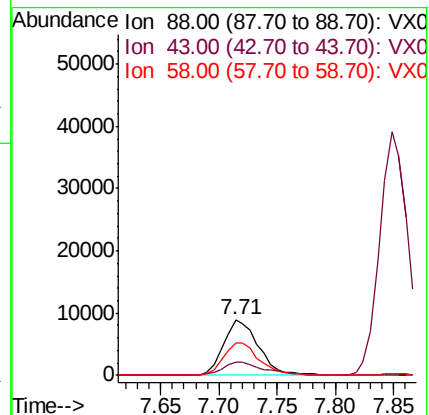
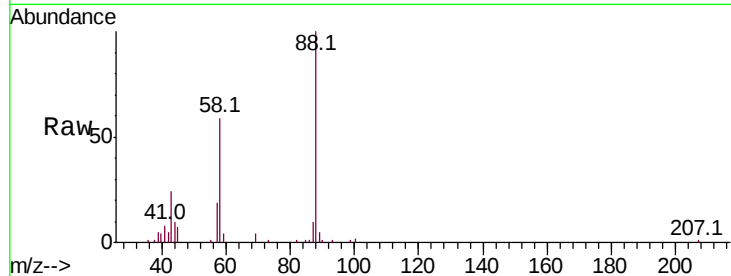
Tot Ion: 88 Resp: 18447

Ion Ratio Lower Upper

88 100

43 25.1 20.5 30.7

58 60.0 47.4 71.2



#46

Methyl methacrylate

Concen: 17.511 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

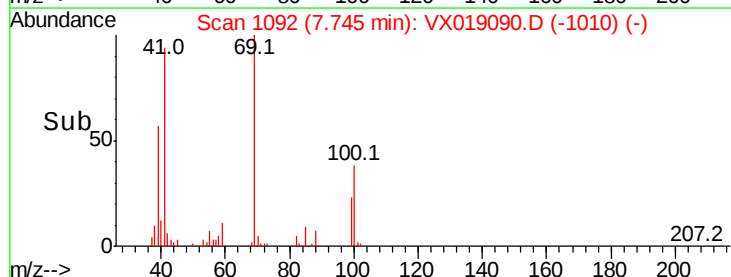
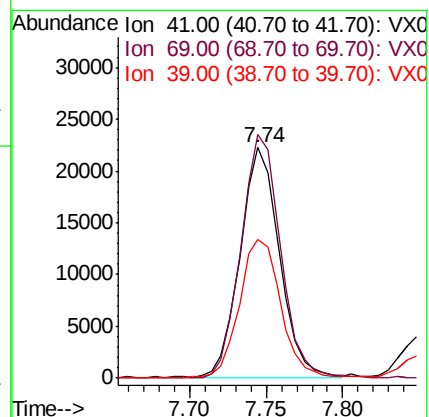
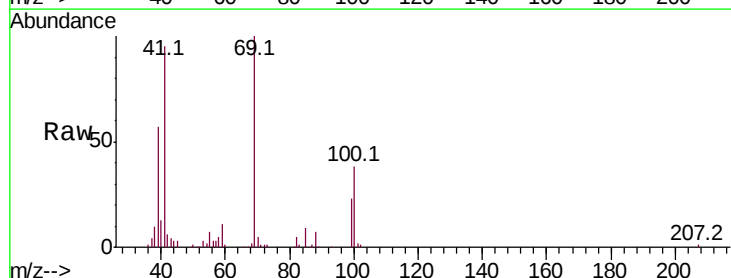
Tgt Ion: 41 Resp: 39577

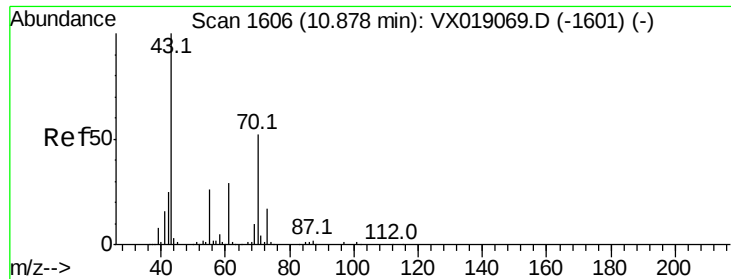
Ion Ratio Lower Upper

41 100

69 105.9 53.1 159.4

39 60.0 31.3 93.9

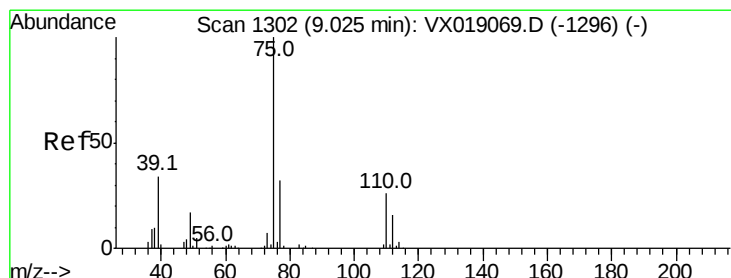
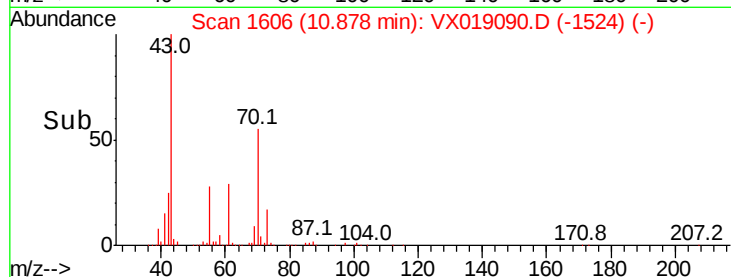
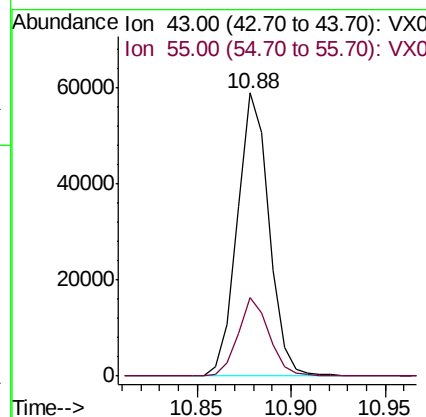
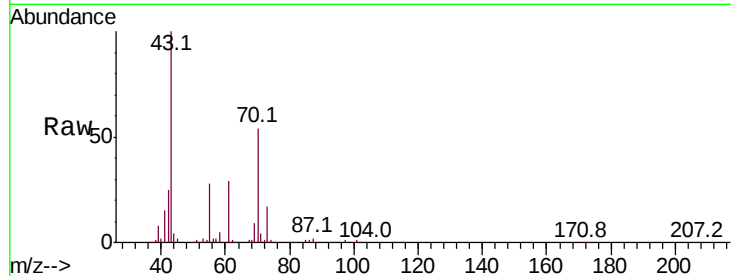




#47
n-amvl Acetate
Concen: 17.928 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

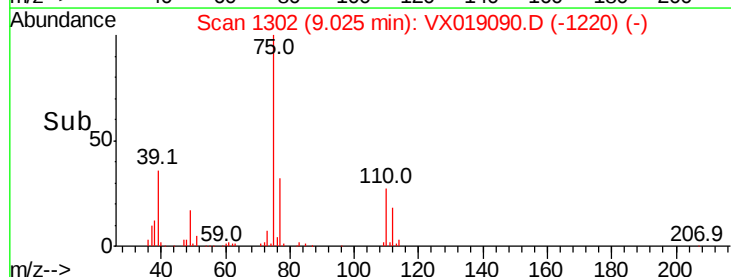
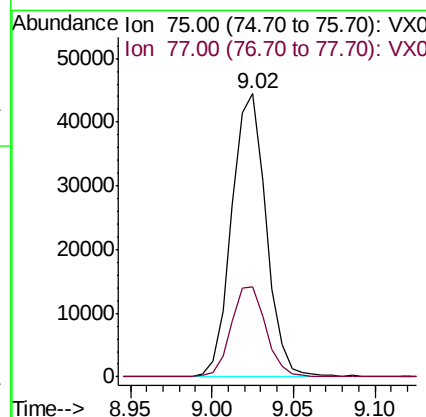
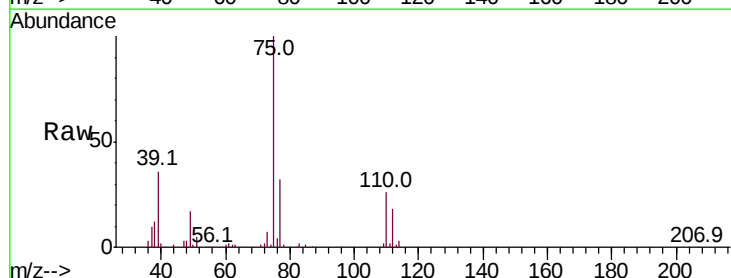
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

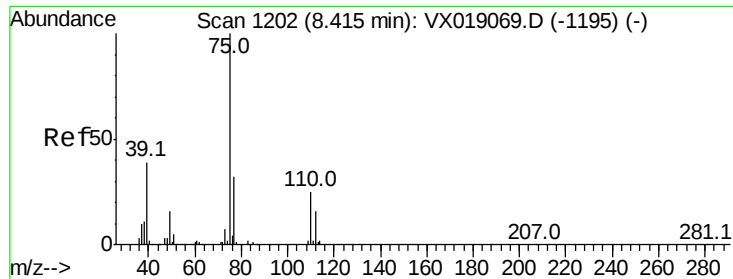
Tot Ion: 43 Resp: 68670
Ion Ratio Lower Upper
43 100
55 27.6 21.5 32.3



#48
t-1,3-Dichloropropene
Concen: 16.349 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

Tgt Ion: 75 Resp: 65445
Ion Ratio Lower Upper
75 100
77 31.8 25.3 37.9



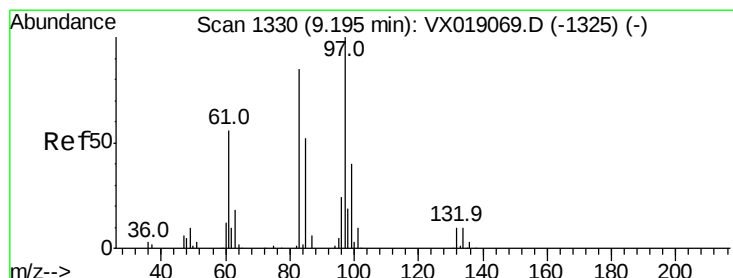
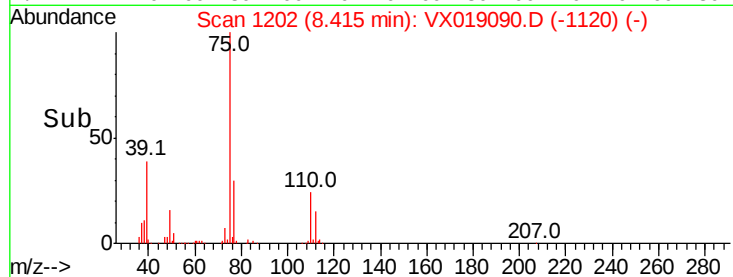
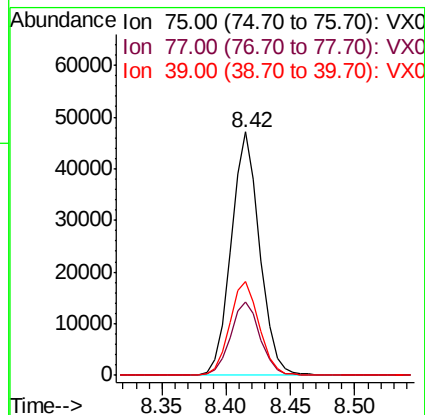
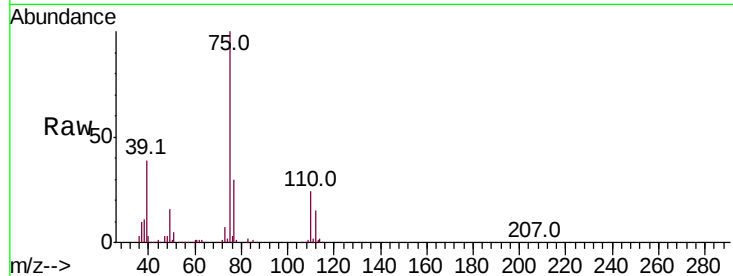


#49

cis-1,3-Dichloropropene
 Concen: 17.138 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX019090.D
 Acq: 23 Oct 2020 20:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

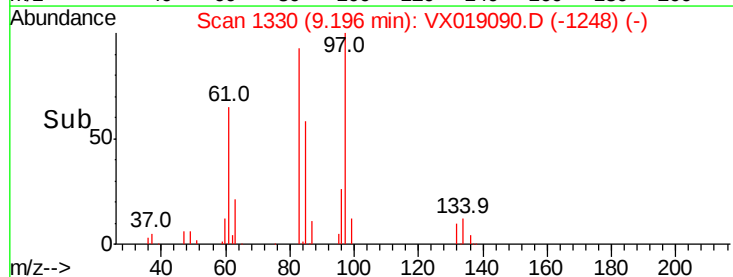
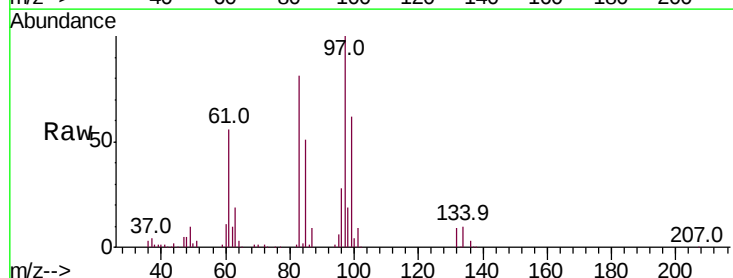
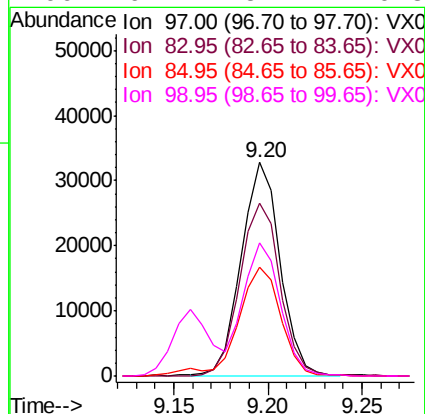
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.8	38.8
39	38.7	31.0	46.6

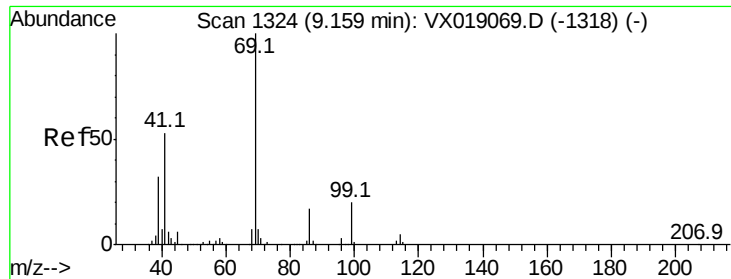


#50

1,1,2-Trichloroethane
 Concen: 17.895 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX019090.D
 Acq: 23 Oct 2020 20:37

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.3	67.8	101.6
85	50.6	43.5	65.3
99	62.2	51.2	76.8





#51

Ethyl methacrylate

Concen: 17.451 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

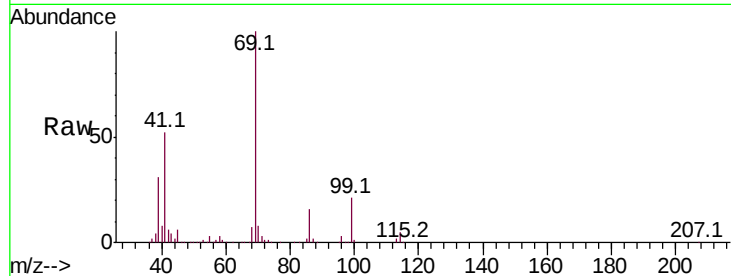
Tot Ion: 69 Resp: 66705

Ion Ratio Lower Upper

69 100

41 52.5 26.5 79.4

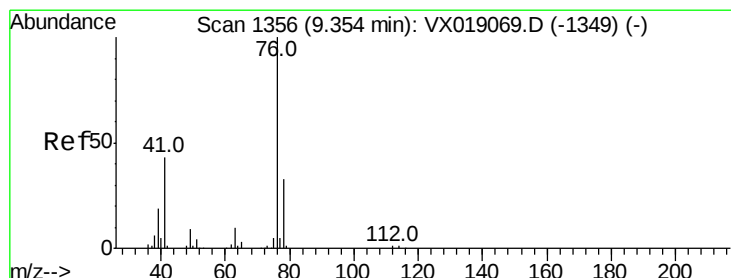
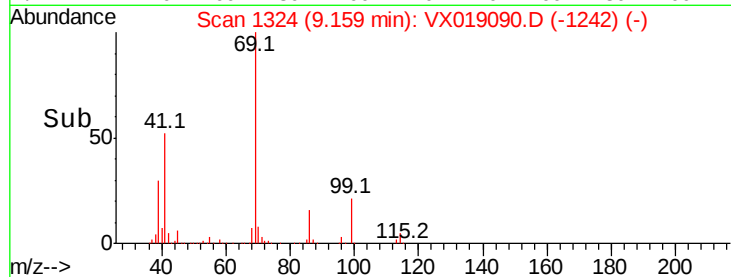
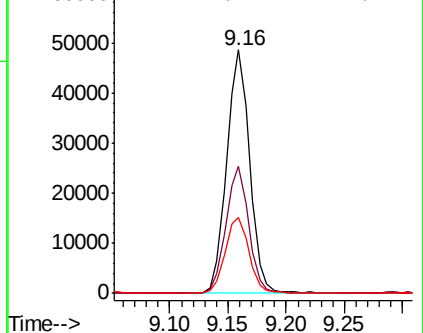
39 30.9 16.2 48.6



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: 18.216 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX019090.D

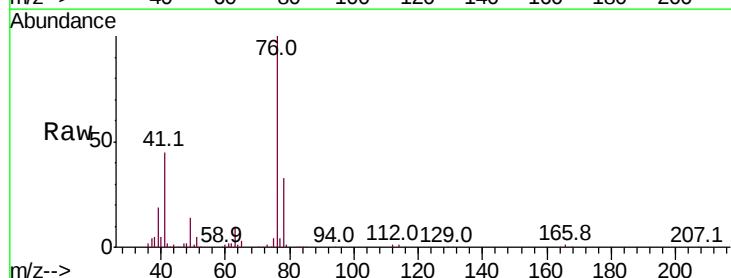
Acq: 23 Oct 2020 20:37

Tgt Ion: 76 Resp: 77743

Ion Ratio Lower Upper

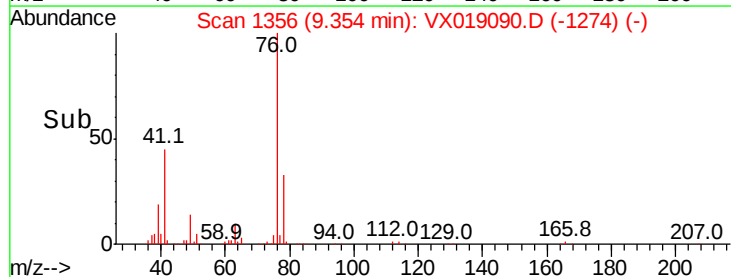
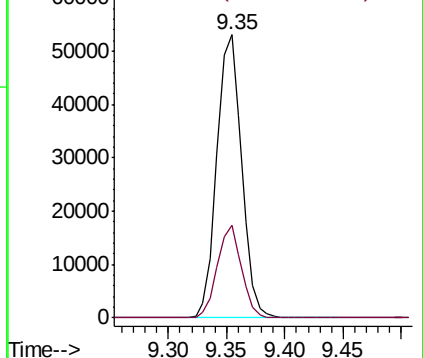
76 100

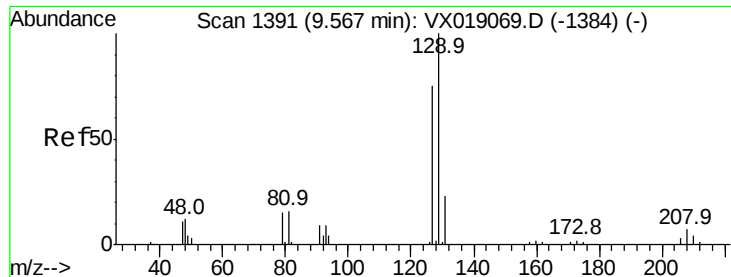
78 31.7 0.0 65.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 16.838 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

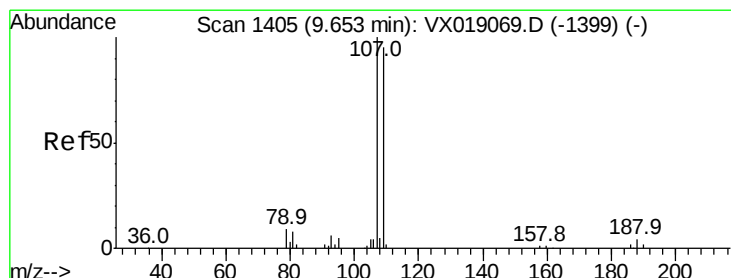
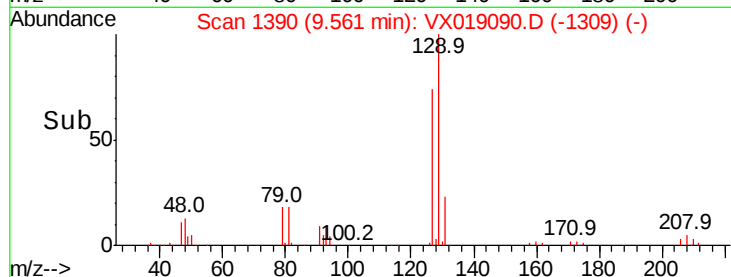
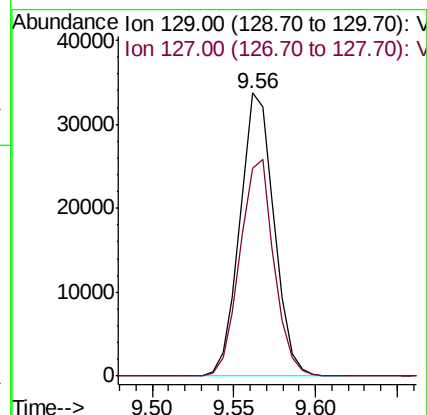
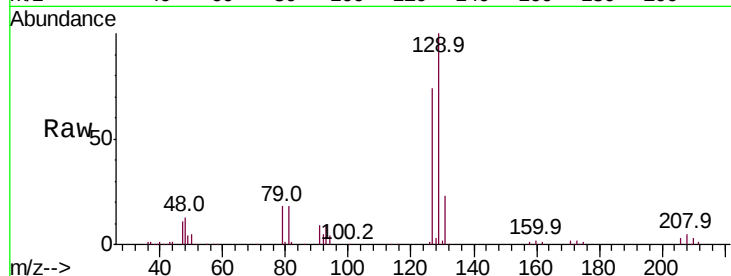
VSTDCCC020EC

Tot Ion:129 Resp: 49105

Ion Ratio Lower Upper

129 100

127 76.7 38.4 115.1



#54

1,2-Dibromoethane

Concen: 17.236 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX019090.D

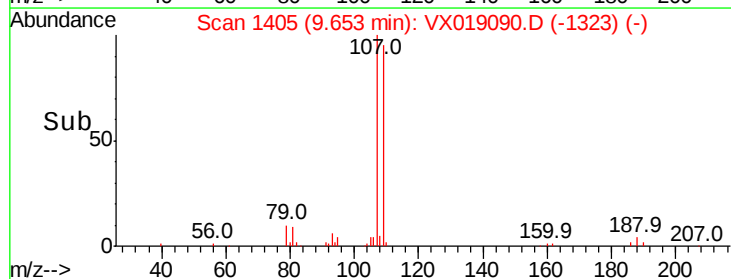
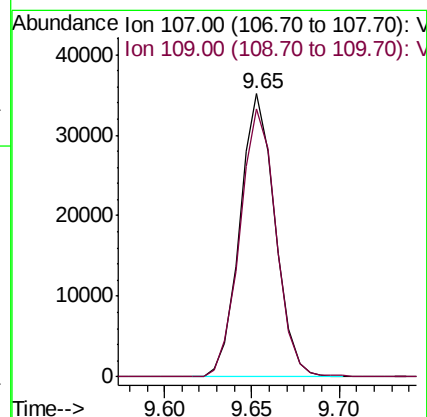
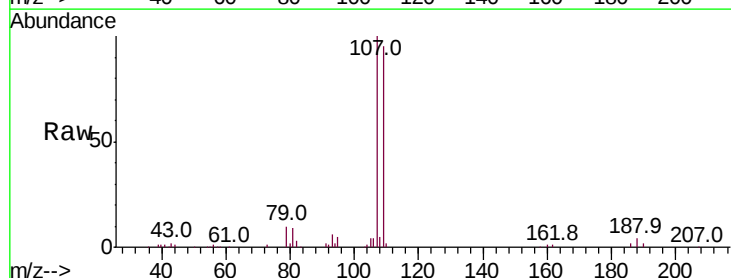
Acq: 23 Oct 2020 20:37

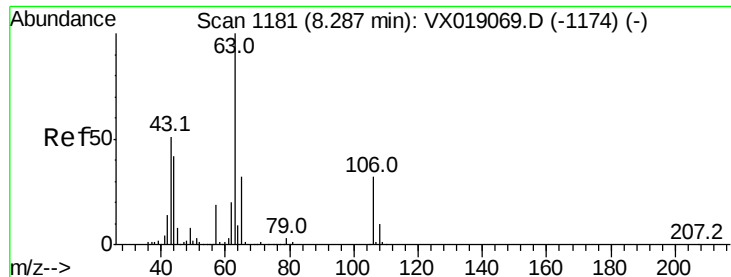
Tgt Ion:107 Resp: 49066

Ion Ratio Lower Upper

107 100

109 96.7 74.6 112.0

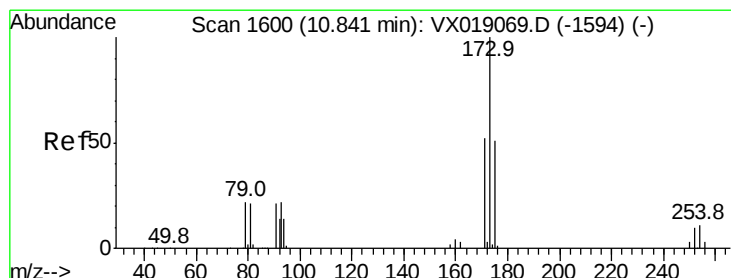
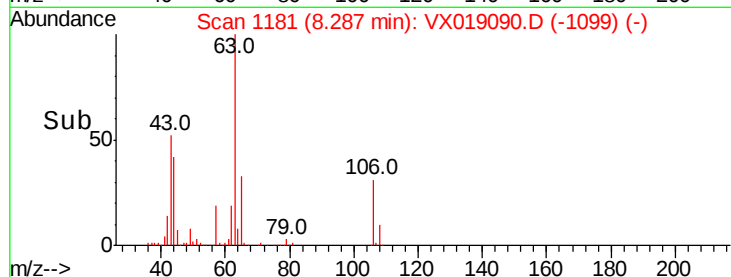
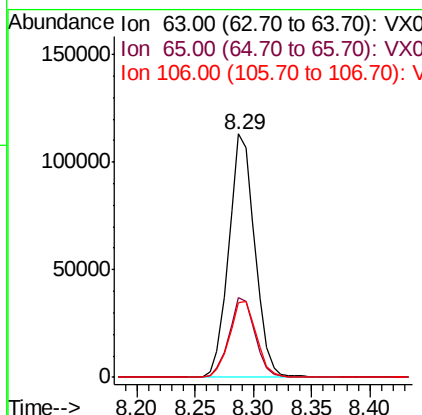
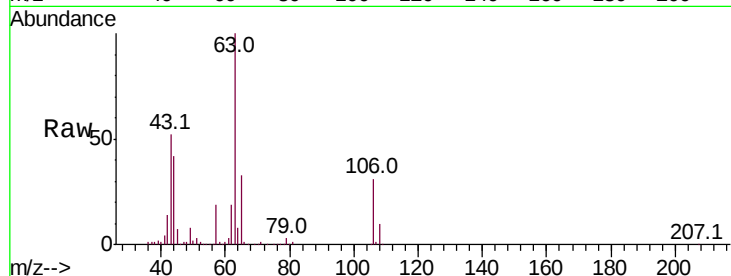




#55
2-Chloroethyl vinyl ether
Concen: 86.107 ug/l
RT: 8.29 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

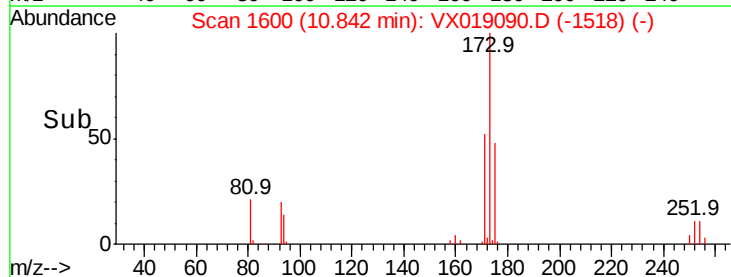
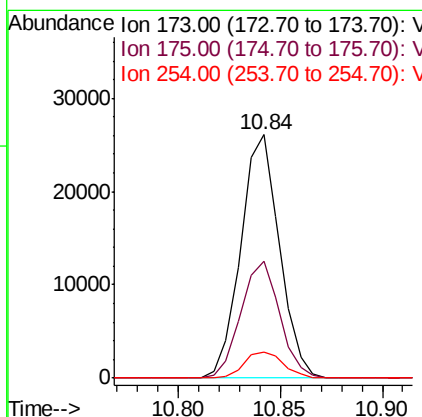
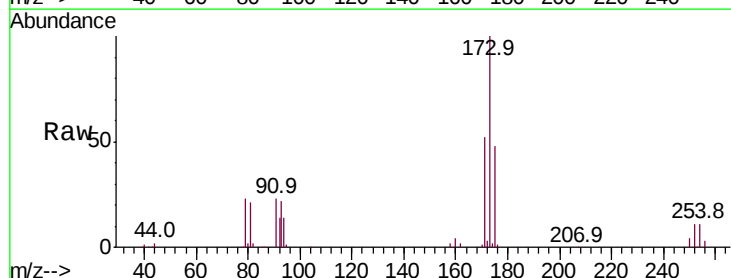
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

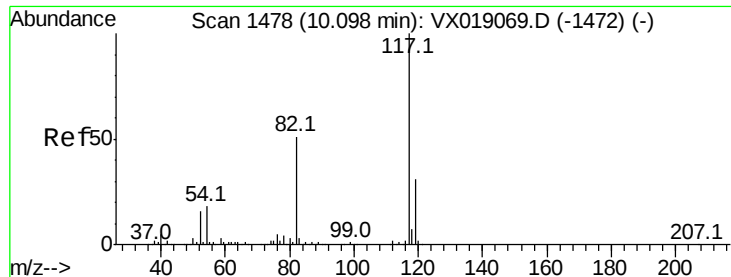
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	26.0	39.0
106	32.6	25.9	38.9



#56
Bromoform
Concen: 16.844 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.2	39.6	59.4
254	10.9	8.6	13.0

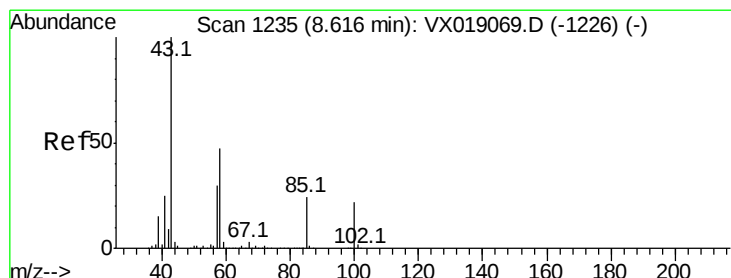
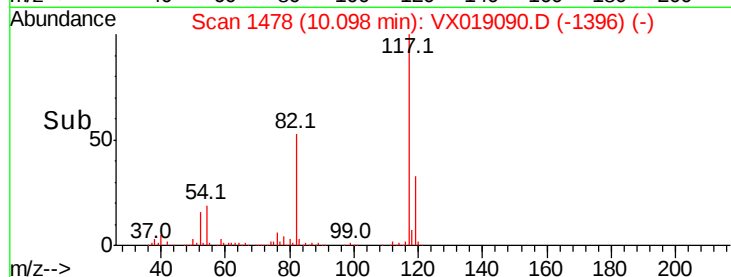
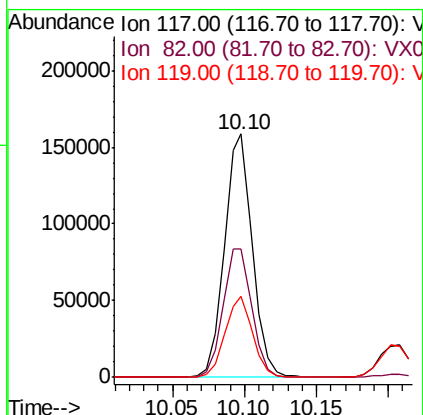
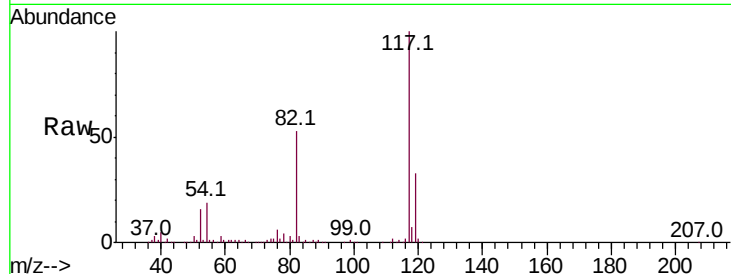




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

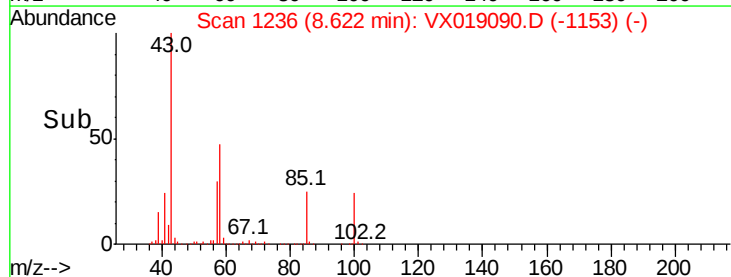
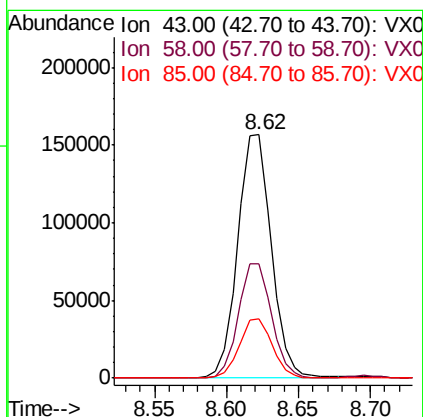
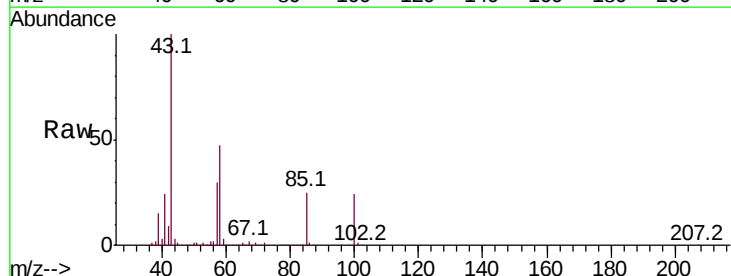
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

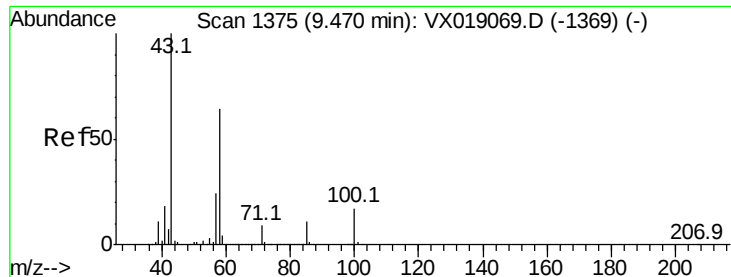
Tot Ion:117 Resp: 215593
Ion Ratio Lower Upper
117 100
82 54.9 42.5 63.7
119 32.9 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 93.407 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

Tgt Ion: 43 Resp: 253955
Ion Ratio Lower Upper
43 100
58 46.7 37.6 56.4
85 24.0 19.4 29.2

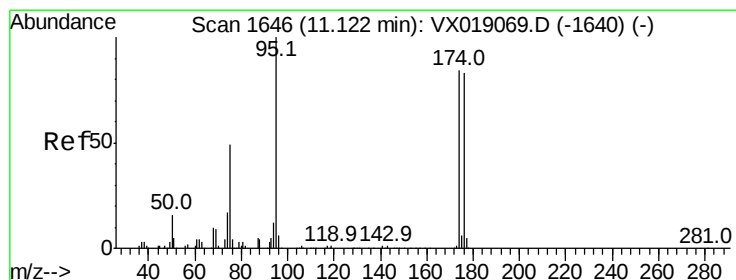
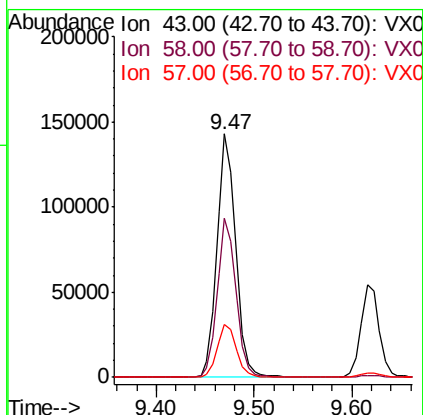
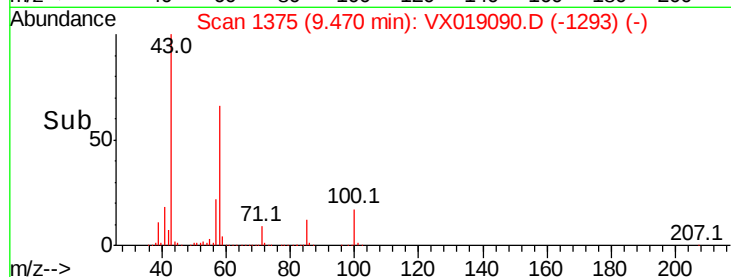
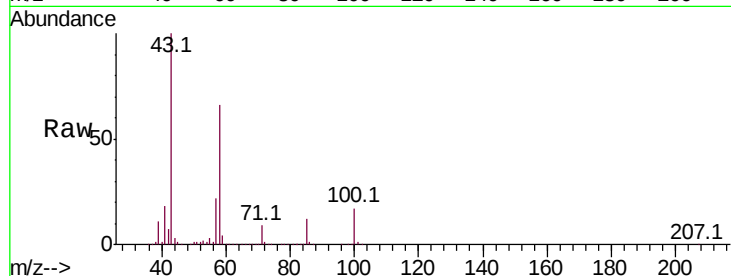




#59
2-Hexanone
Concen: 93.782 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

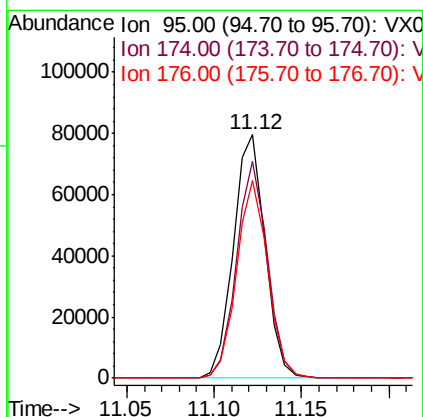
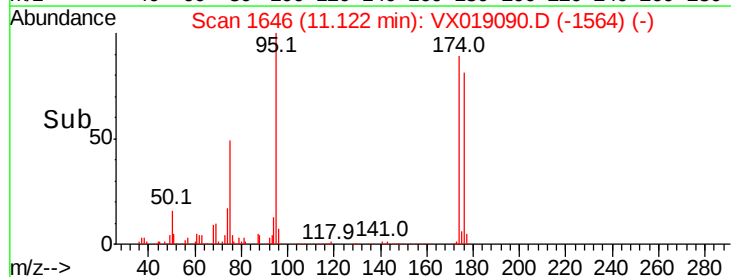
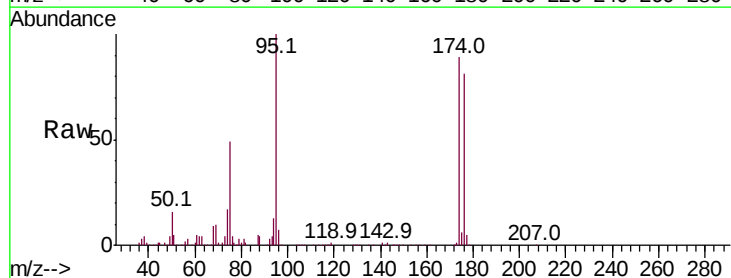
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

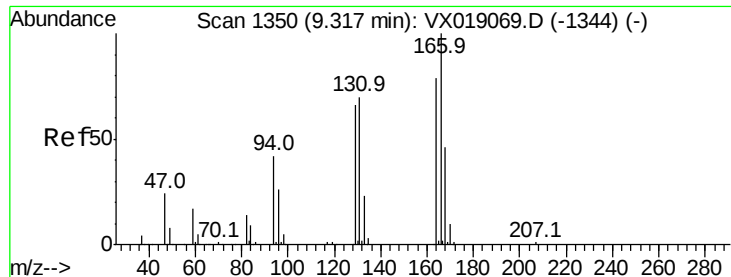
Tot Ion: 43 Resp: 190002
Ion Ratio Lower Upper
43 100
58 65.3 51.9 77.9
57 22.1 18.2 27.4



#60
4-Bromofluorobenzene
Concen: 31.039 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

Tgt Ion: 95 Resp: 100438
Ion Ratio Lower Upper
95 100
174 86.2 66.3 99.5
176 79.3 65.5 98.3





#61

Tetrachloroethene

Concen: 18.443 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 47170

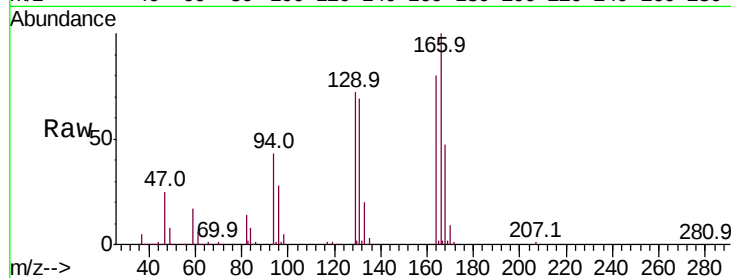
Ion Ratio Lower Upper

164 100

166 124.2 101.9 152.9

129 88.9 67.0 100.6

131 85.6 71.1 106.7

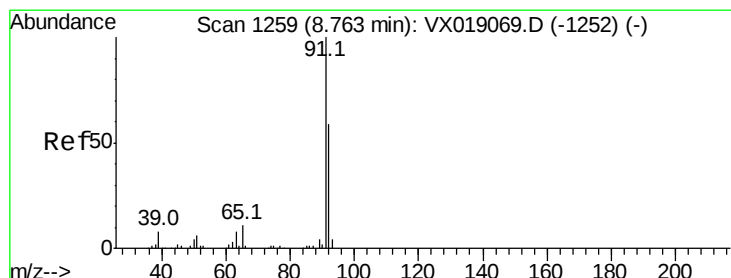
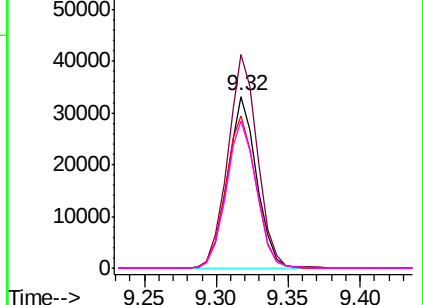
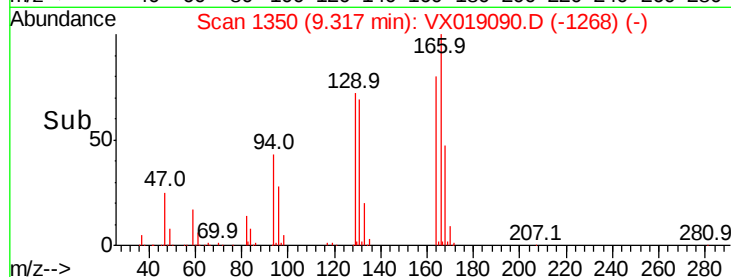


Abundance Ion 163.85 (163.55 to 164.55): V

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: 17.829 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019090.D

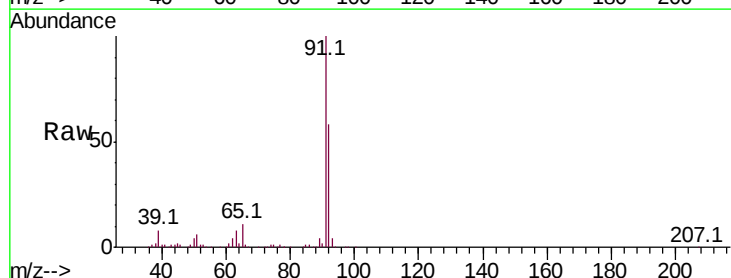
Acq: 23 Oct 2020 20:37

Tgt Ion: 91 Resp: 202013

Ion Ratio Lower Upper

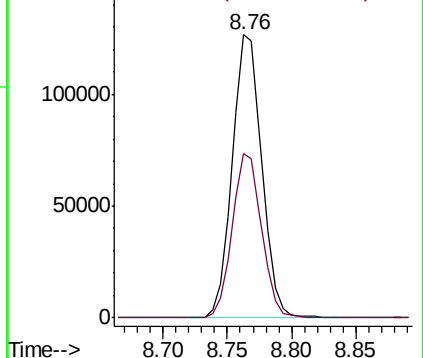
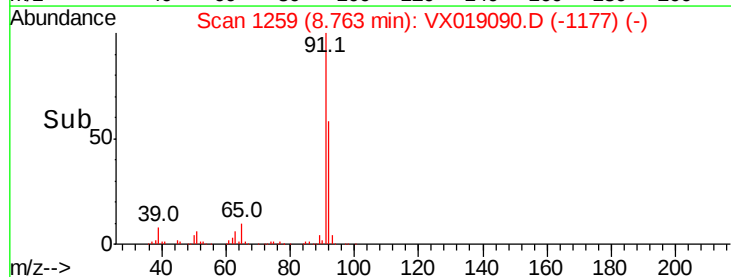
91 100

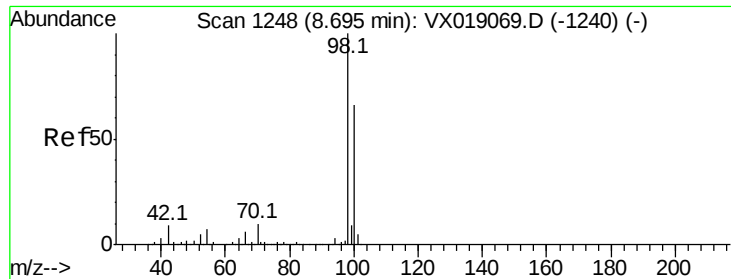
92 57.6 47.3 70.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.493 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

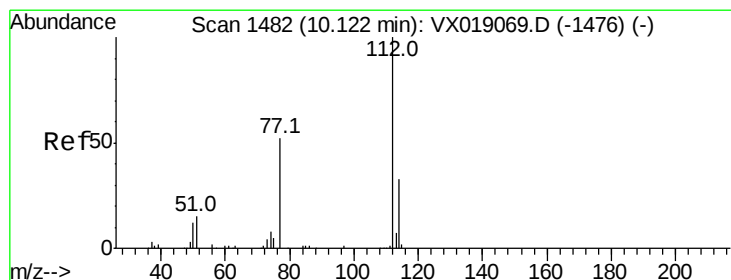
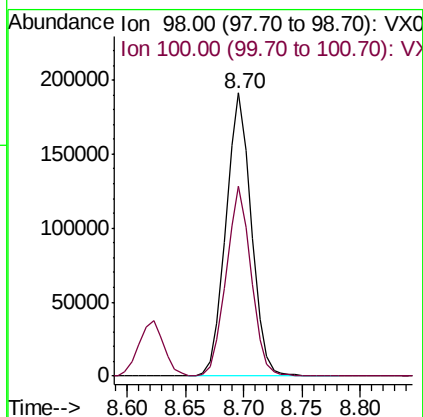
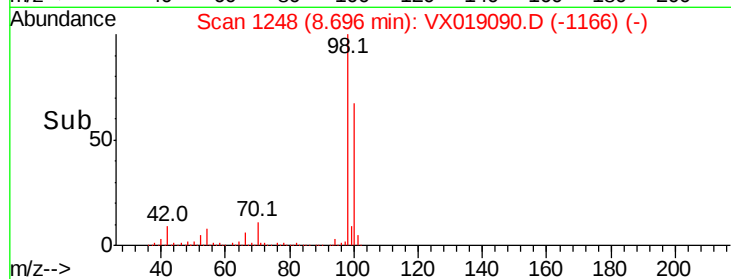
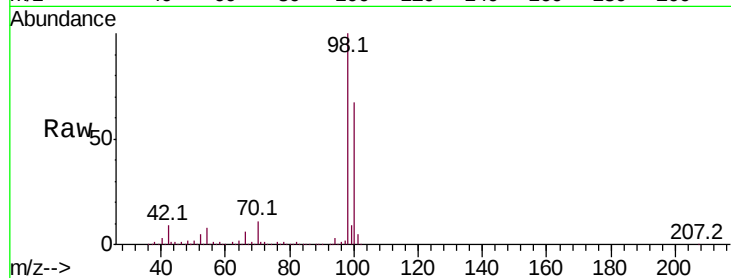
VSTDCCC020EC

Tot Ion: 98 Resp: 290254

Ion Ratio Lower Upper

98 100

100 65.8 52.2 78.4



#64

Chlorobenzene

Concen: 17.815 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX019090.D

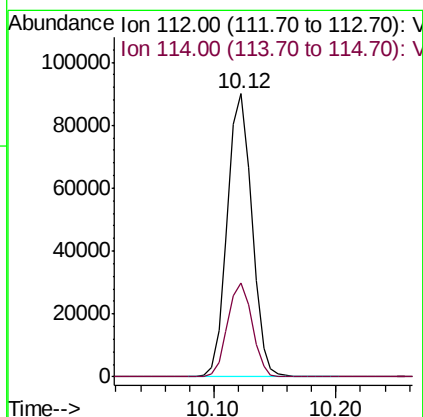
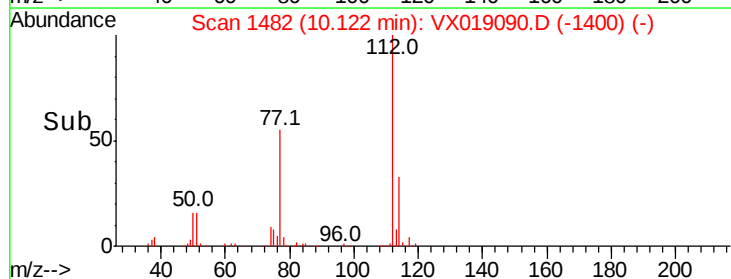
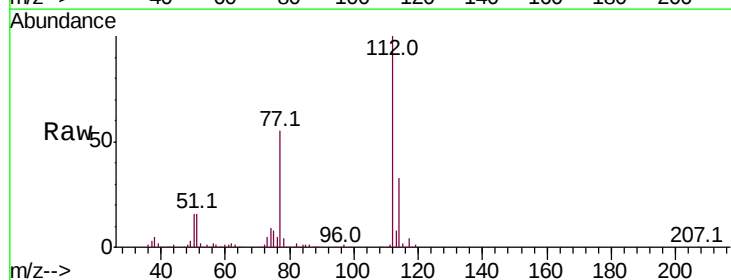
Acq: 23 Oct 2020 20:37

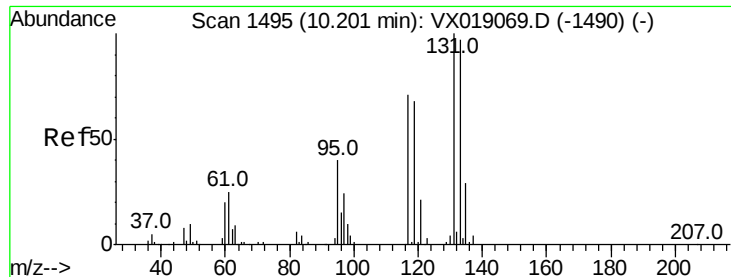
Tgt Ion: 112 Resp: 125480

Ion Ratio Lower Upper

112 100

114 33.1 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 17.631 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

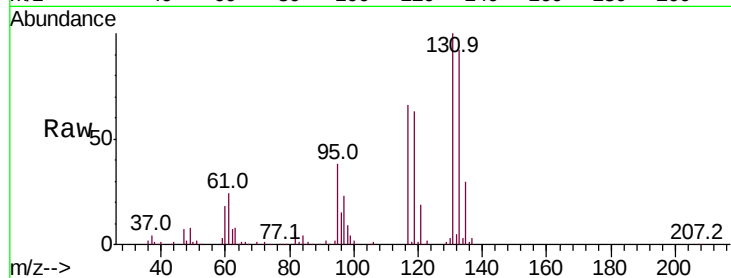
Tot Ion:131 Resp: 45165

Ion Ratio Lower Upper

131 100

133 96.0 0.0 191.6

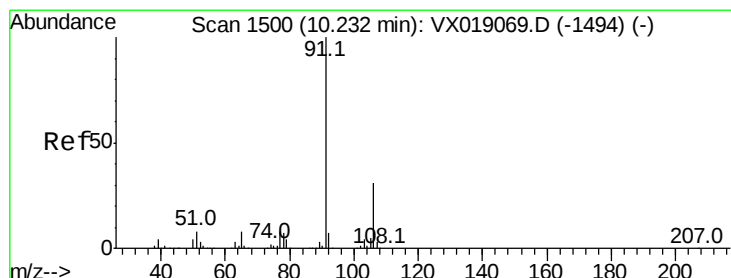
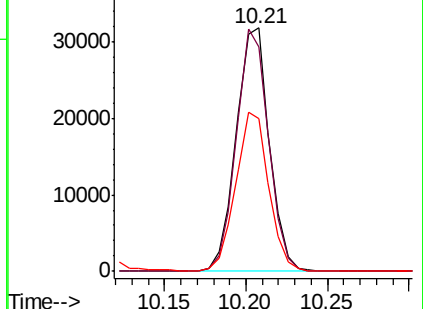
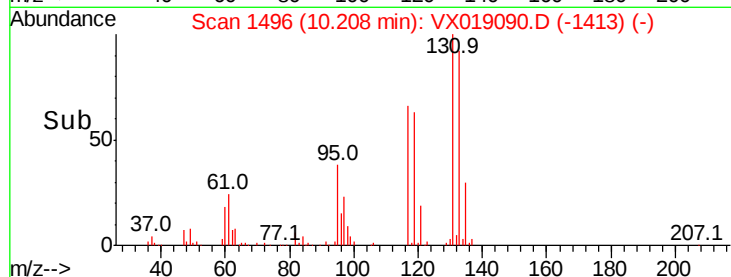
119 64.9 0.0 130.0



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: 17.891 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX019090.D

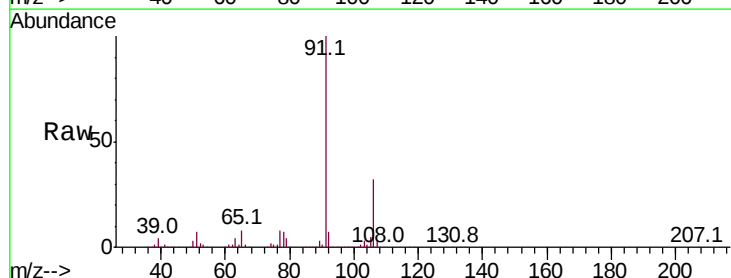
Acq: 23 Oct 2020 20:37

Tgt Ion: 91 Resp: 222250

Ion Ratio Lower Upper

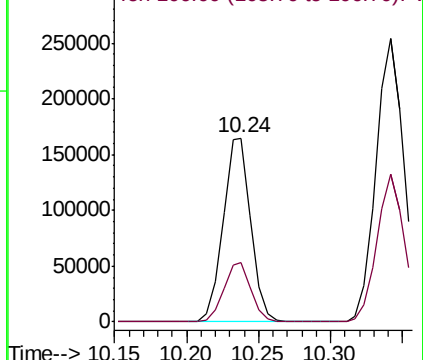
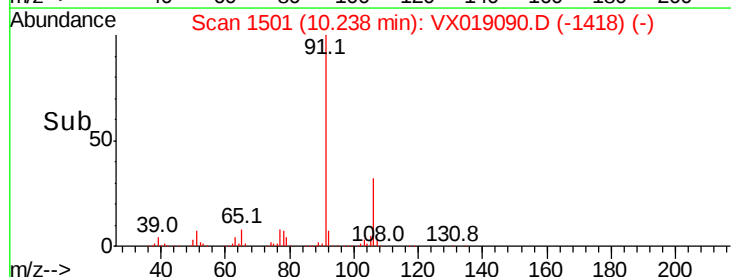
91 100

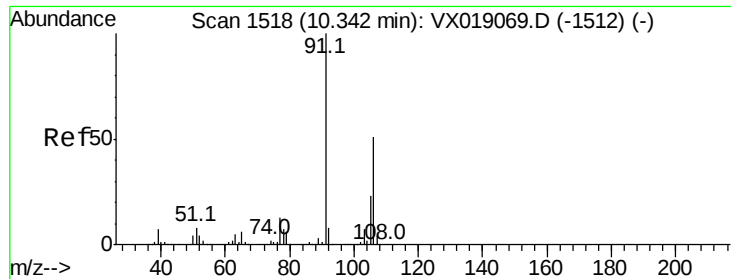
106 32.3 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

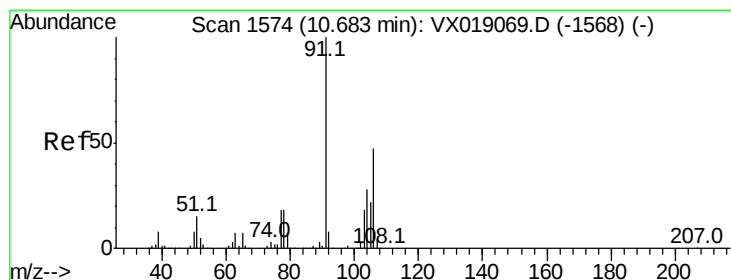
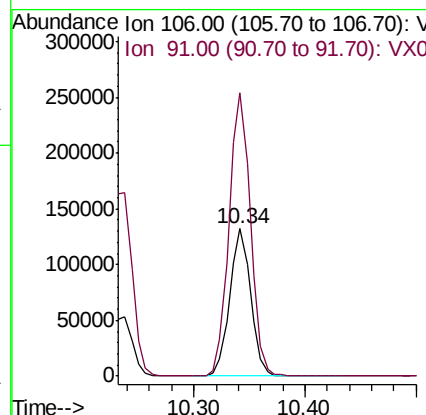
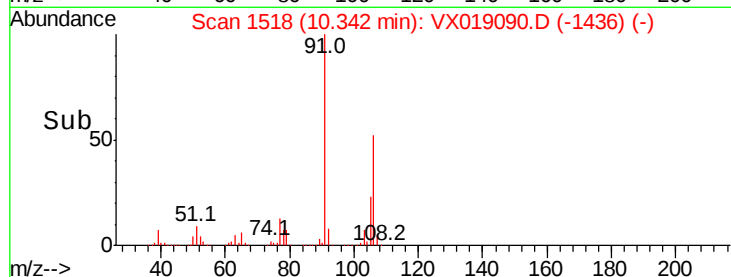
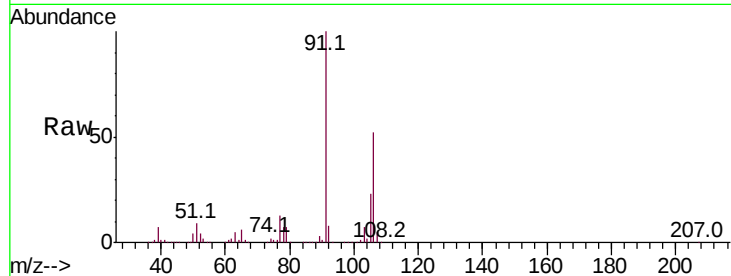




#67
m/p-Xylenes
Concen: 36.361 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

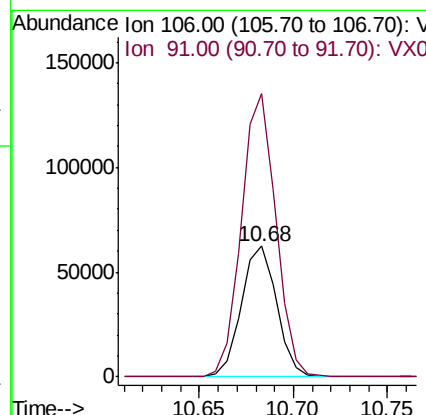
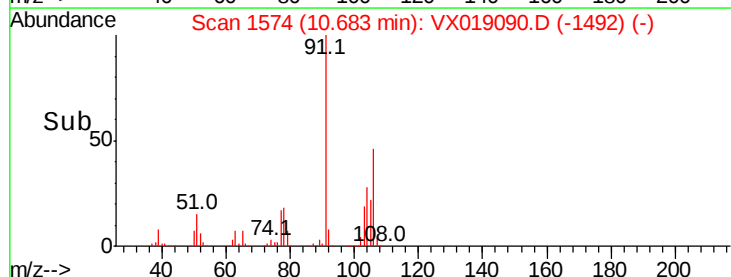
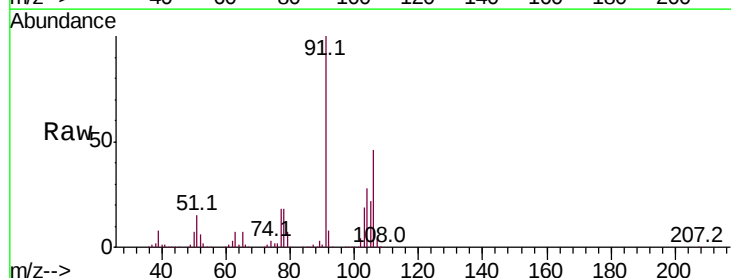
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

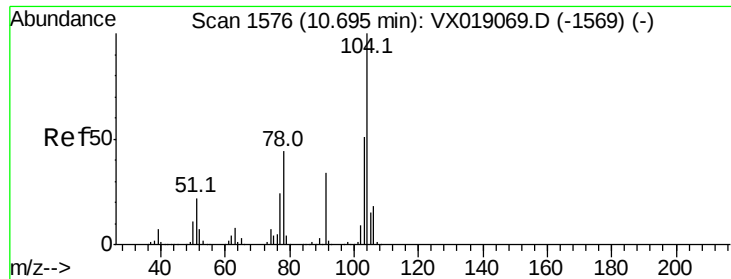
Tot Ion:106 Resp: 172264
Ion Ratio Lower Upper
106 100
91 195.4 157.5 236.3



#68
o-Xylene
Concen: 18.006 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

Tgt Ion:106 Resp: 81360
Ion Ratio Lower Upper
106 100
91 210.2 103.8 311.4

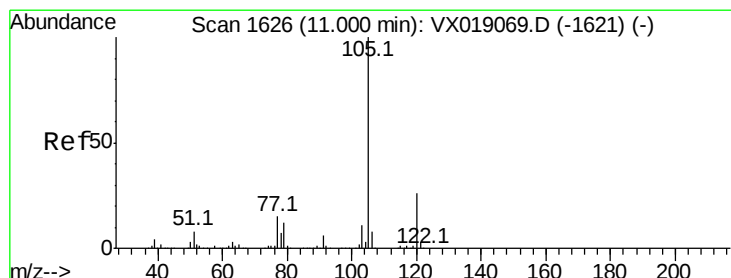
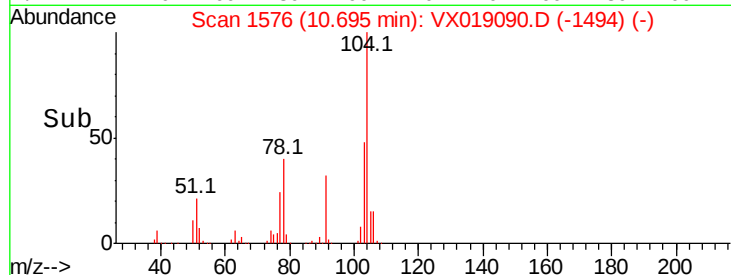
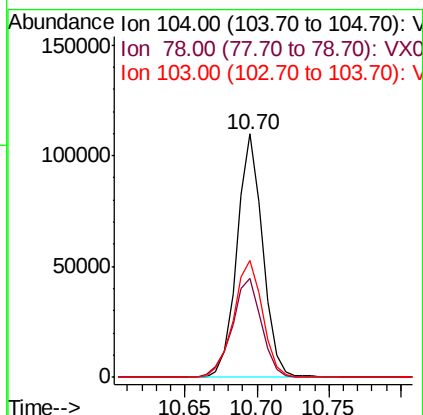
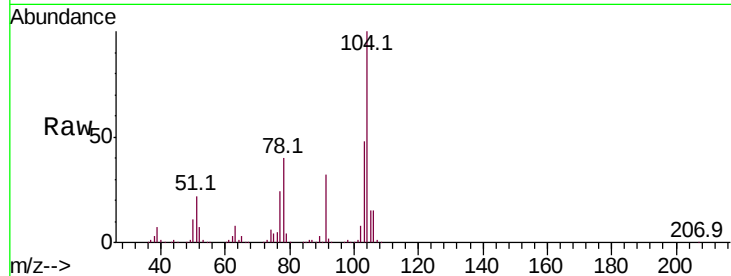




#69
Stvrene
Concen: 17.930 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

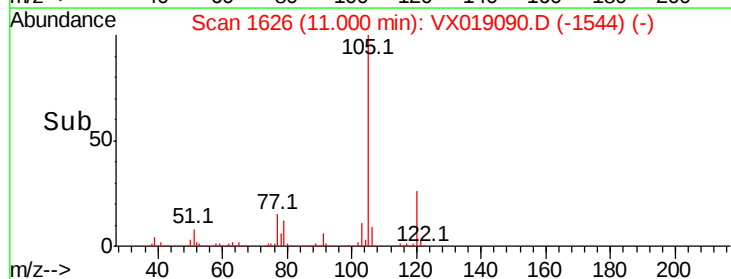
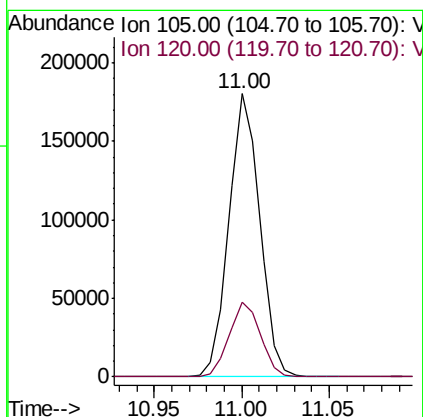
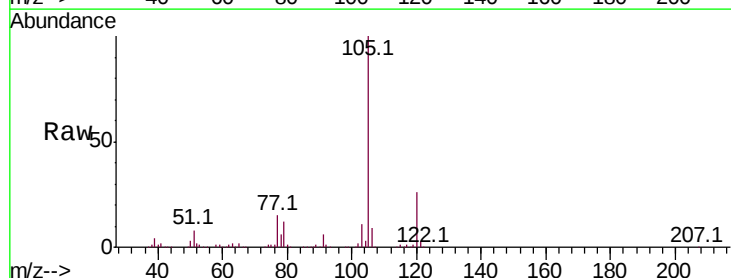
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

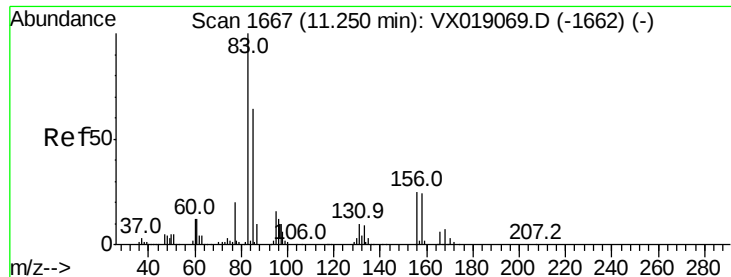
Tot Ion	Ratio	Lower	Upper
104	100		
78	46.5	38.6	58.0
103	54.5	43.4	65.2



#70
Isopropylbenzene
Concen: 18.199 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	19.0	35.4





#71

1,1,2,2-Tetrachloroethane

Concen: 19.641 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

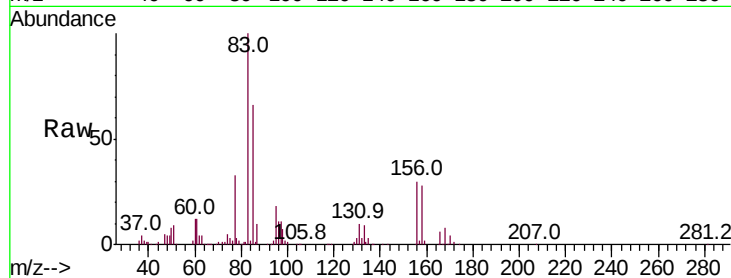
Tot Ion: 83 Resp: 68888

Ion Ratio Lower Upper

83 100

131 10.0 5.2 15.6

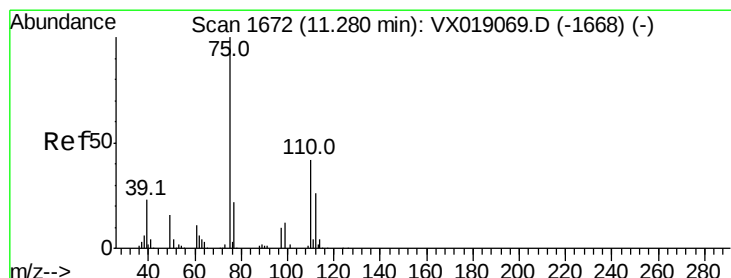
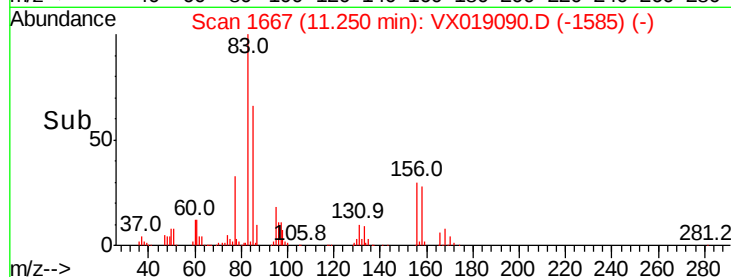
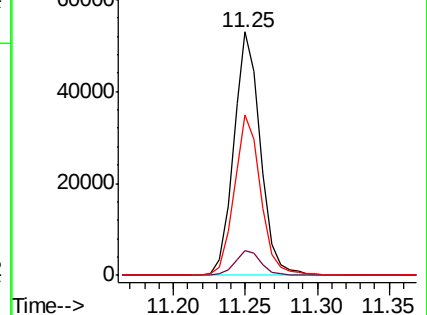
85 65.2 32.5 97.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 24.927 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019090.D

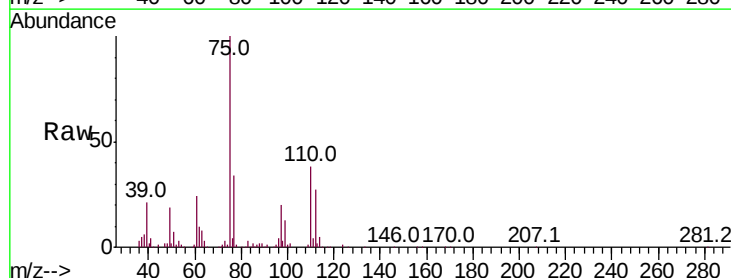
Acq: 23 Oct 2020 20:37

Tgt Ion: 75 Resp: 78622

Ion Ratio Lower Upper

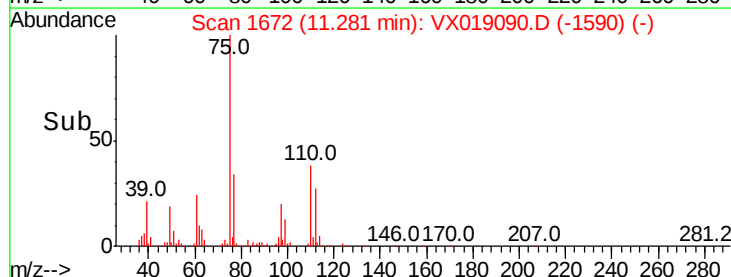
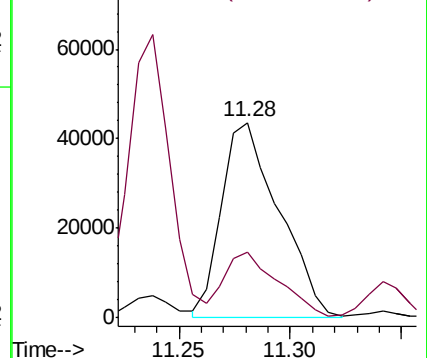
75 100

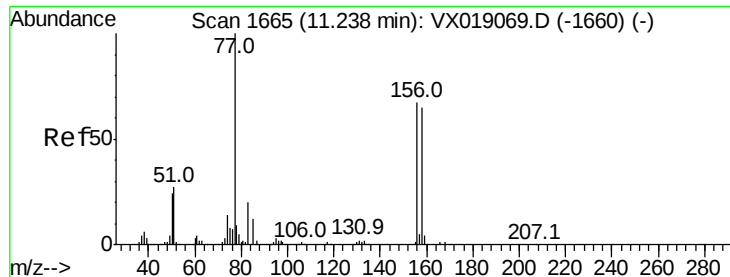
77 31.6 0.0 81.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 18.527 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

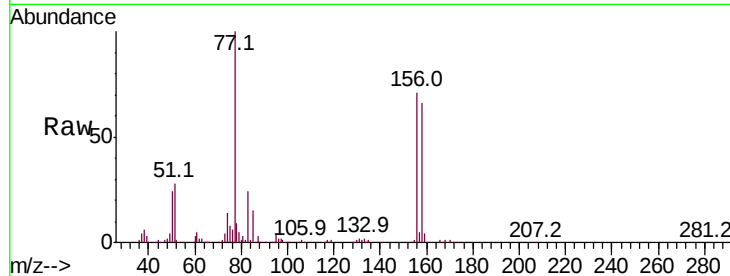
Tot Ion:156 Resp: 55011

Ion Ratio Lower Upper

156 100

77 149.8 0.0 299.6

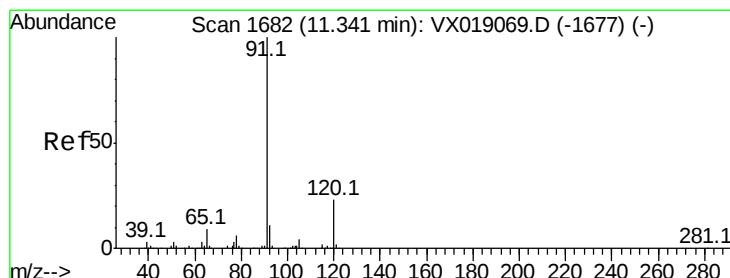
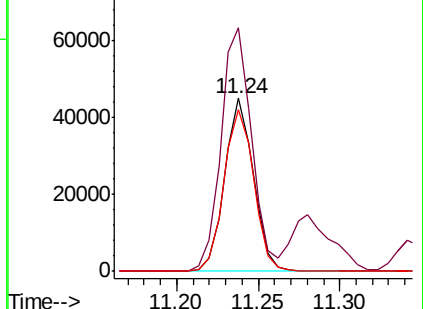
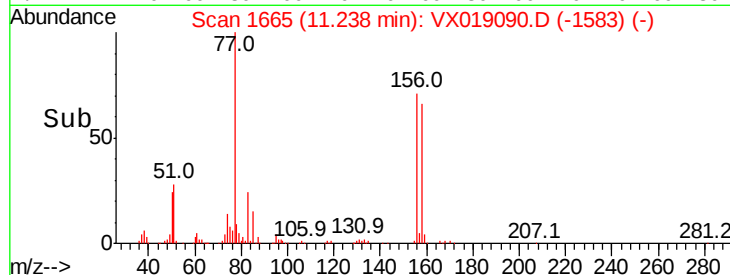
158 96.4 0.0 192.2



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: 18.341 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019090.D

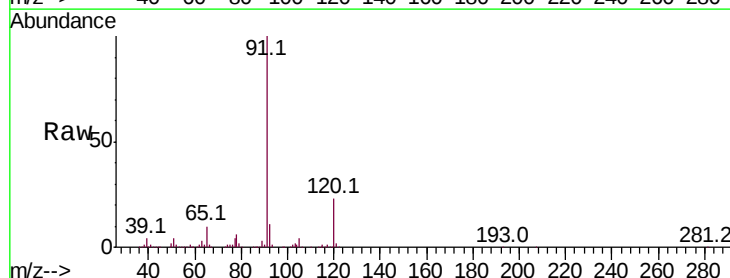
Acq: 23 Oct 2020 20:37

Tgt Ion: 91 Resp: 252300

Ion Ratio Lower Upper

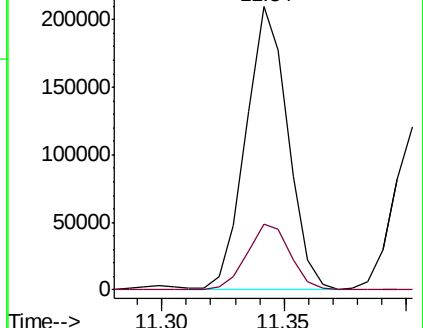
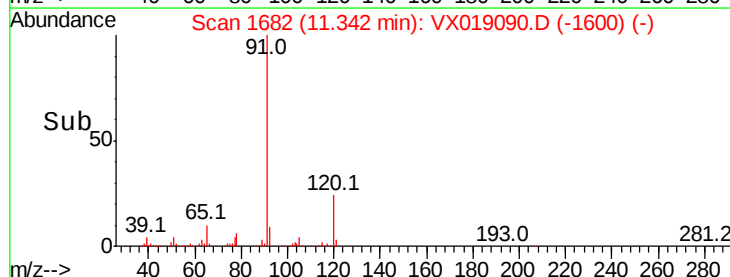
91 100

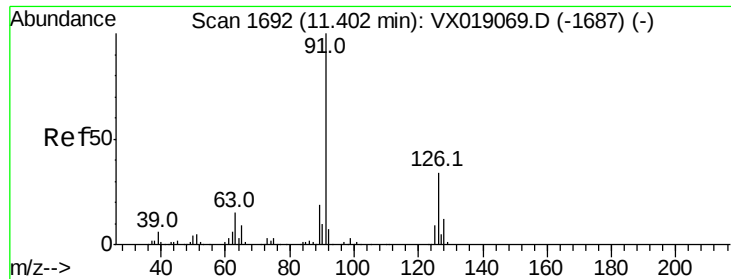
120 23.8 0.0 46.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.058 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

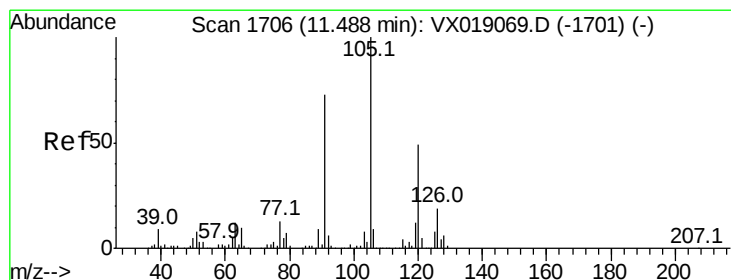
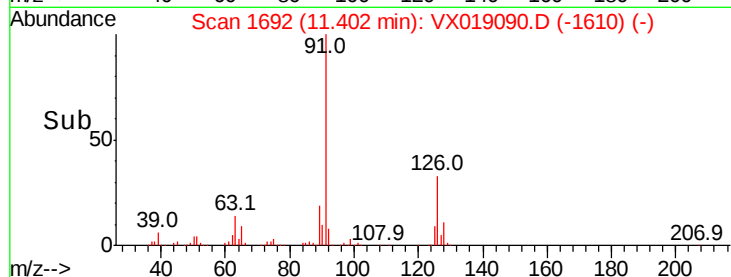
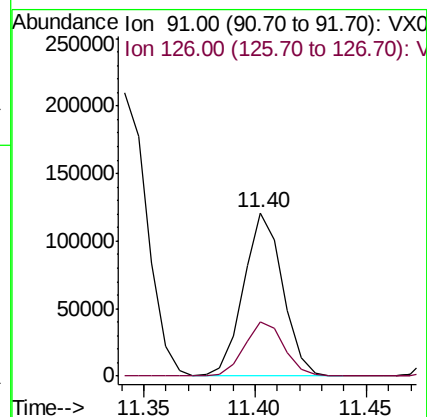
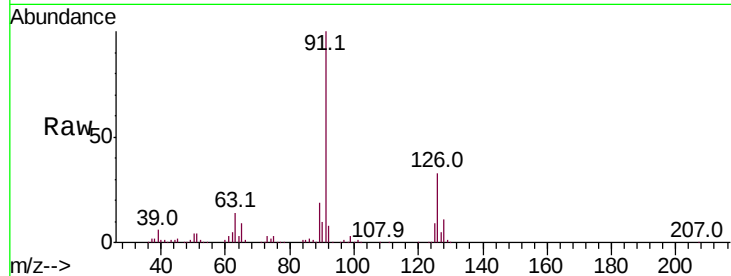
VSTDCCC020EC

Tot Ion: 91 Resp: 148296

Ion Ratio Lower Upper

91 100

126 33.7 0.0 69.0



#76

1,3,5-Trimethylbenzene

Concen: 18.639 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019090.D

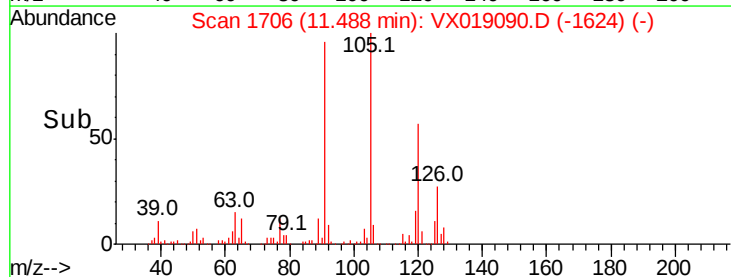
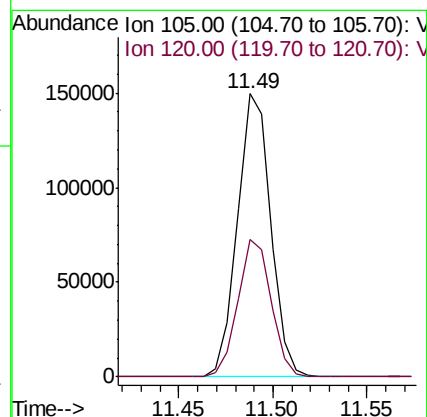
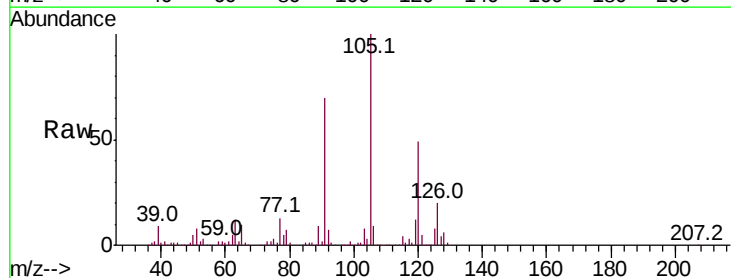
Acq: 23 Oct 2020 20:37

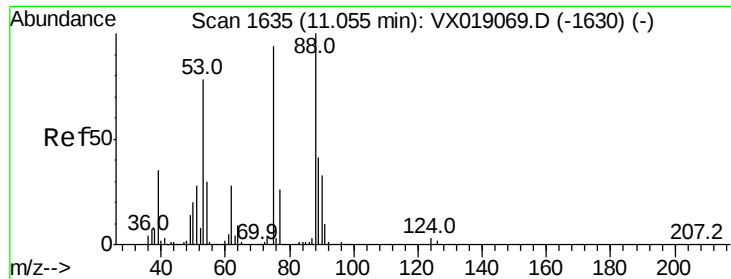
Tgt Ion: 105 Resp: 183755

Ion Ratio Lower Upper

105 100

120 48.8 0.0 100.2





#77

t-1,4-Dichloro-2-butene

Concen: 16.412 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

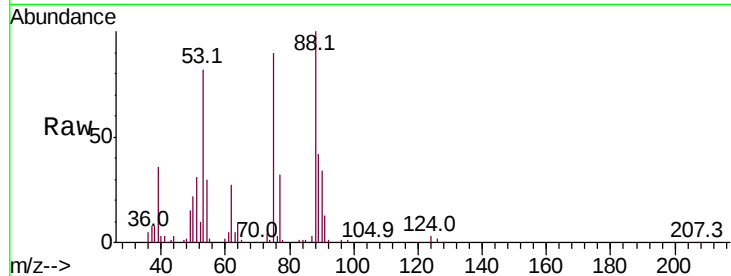
Tot Ion: 75 Resp: 20558

Ion Ratio Lower Upper

75 100

53 90.2 41.6 124.8

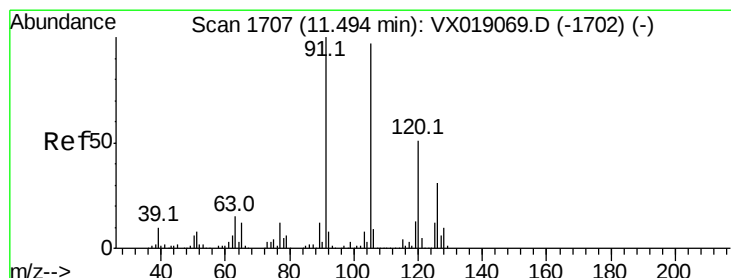
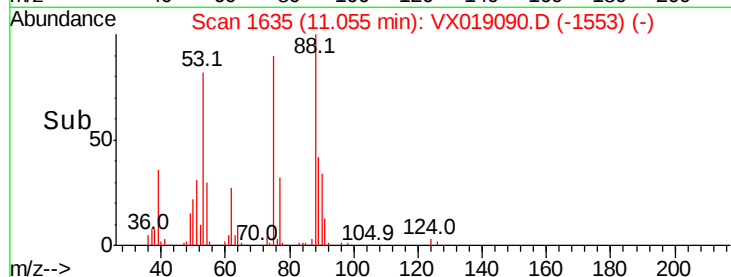
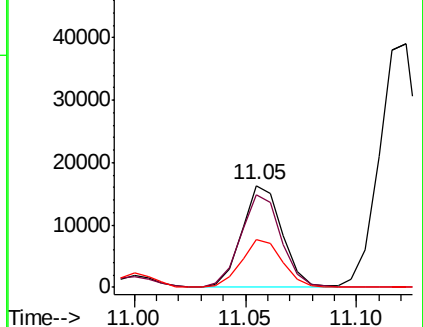
89 47.0 21.8 65.3



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: 18.641 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX019090.D

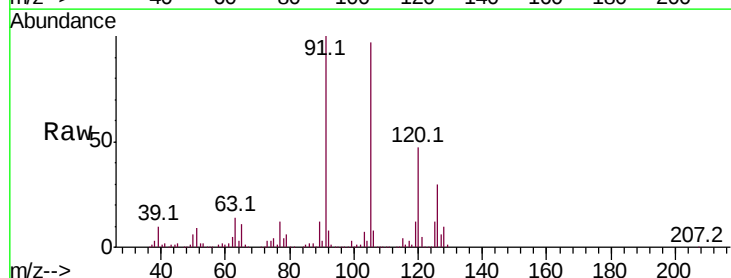
Acq: 23 Oct 2020 20:37

Tgt Ion: 91 Resp: 170454

Ion Ratio Lower Upper

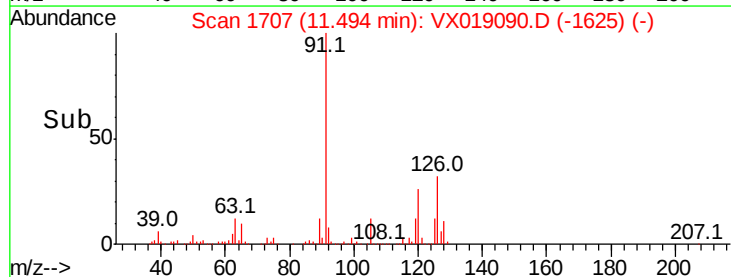
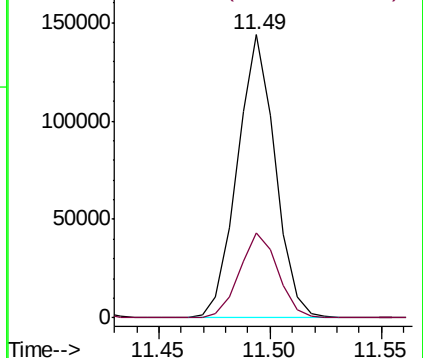
91 100

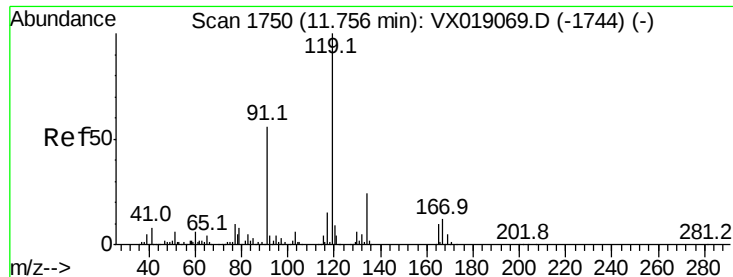
126 30.6 0.0 61.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 18.299 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

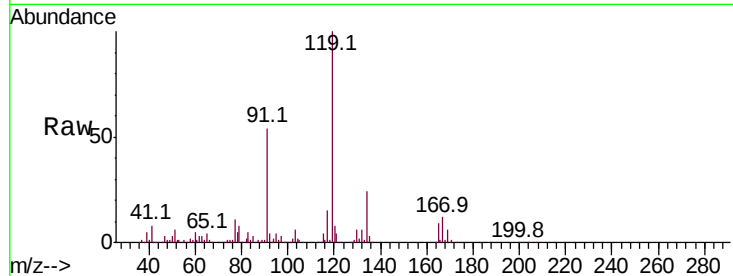
Tot Ion:119 Resp: 177647

Ion Ratio Lower Upper

119 100

91 56.1 0.0 111.4

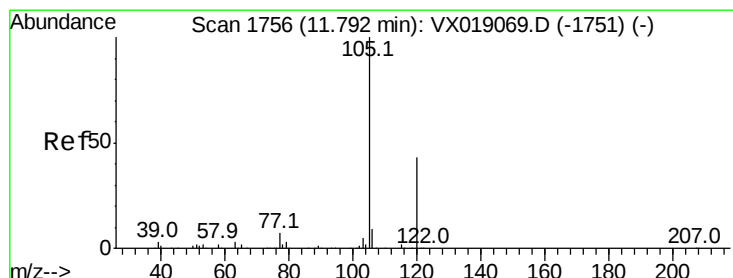
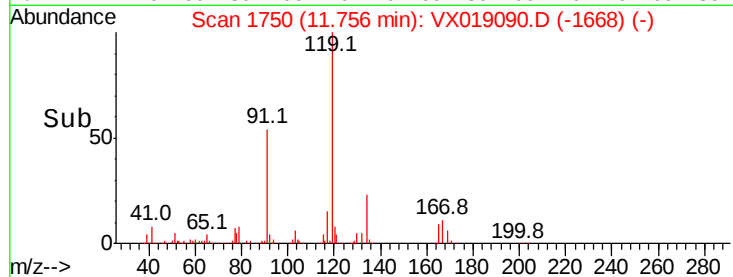
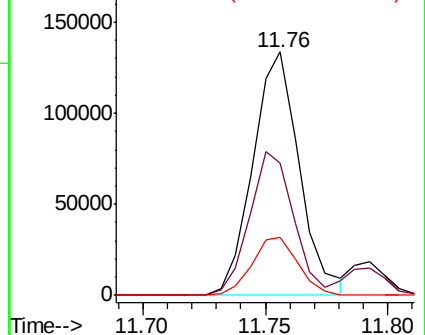
134 23.5 0.0 47.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 18.681 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019090.D

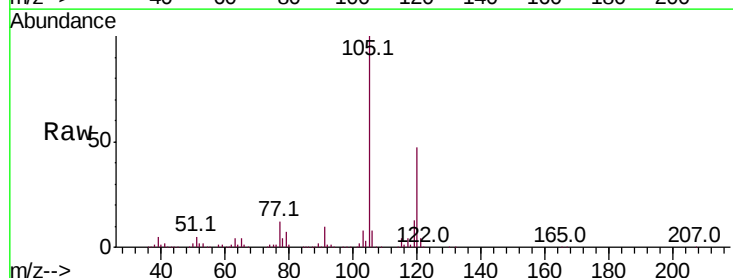
Acq: 23 Oct 2020 20:37

Tgt Ion:105 Resp: 183070

Ion Ratio Lower Upper

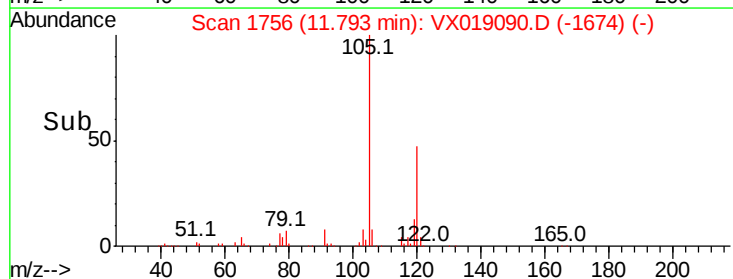
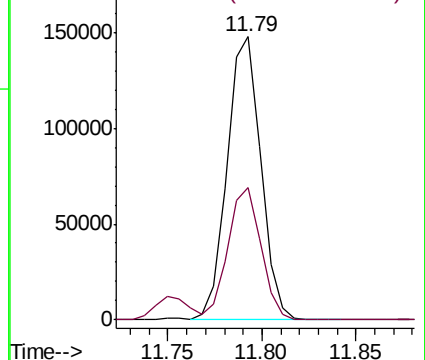
105 100

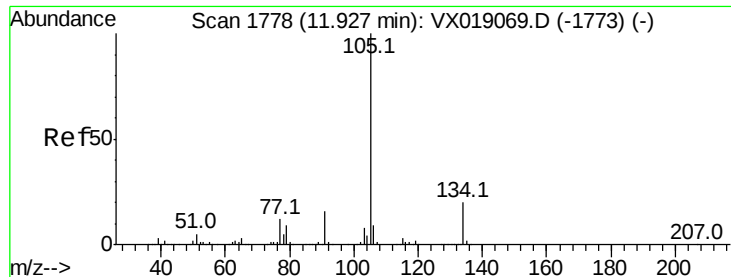
120 46.1 0.0 92.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

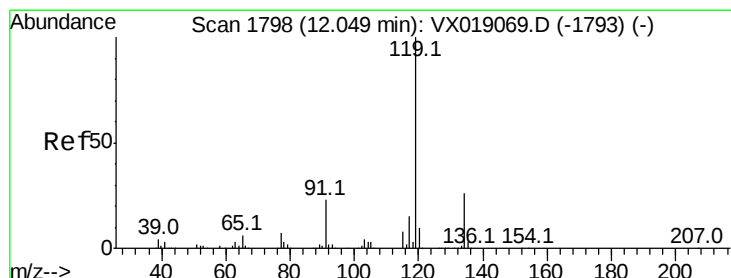
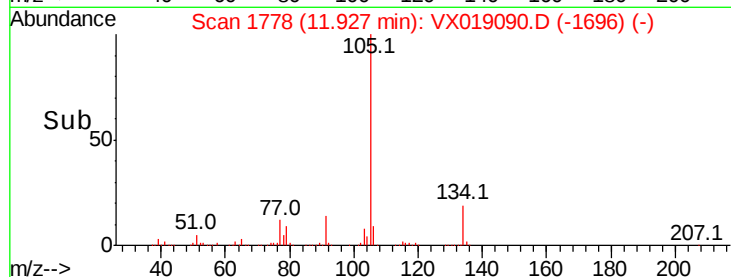
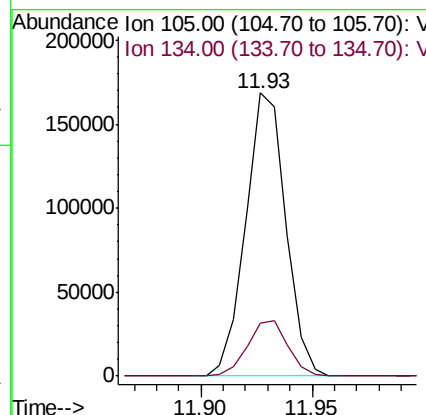
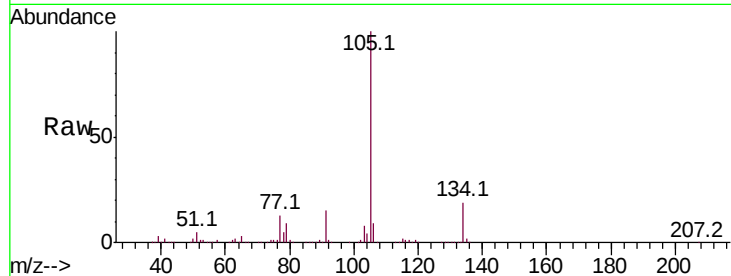




#81
 sec-Butylbenzene
 Concen: 18.504 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX019090.D
 Acq: 23 Oct 2020 20:37

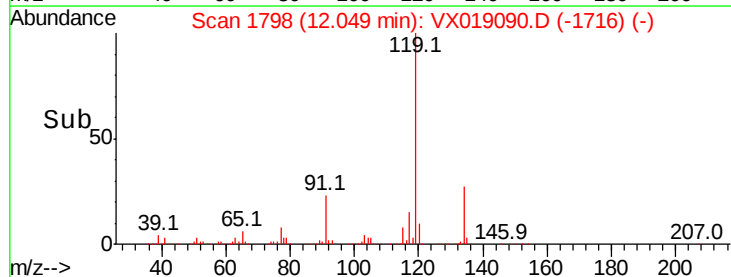
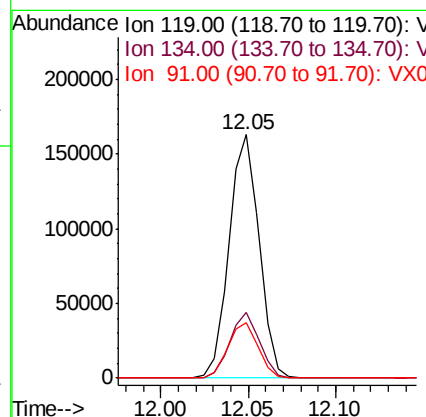
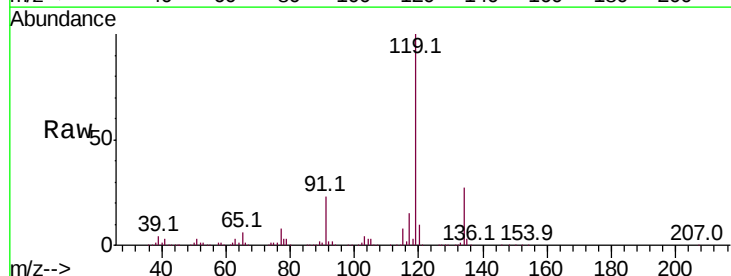
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

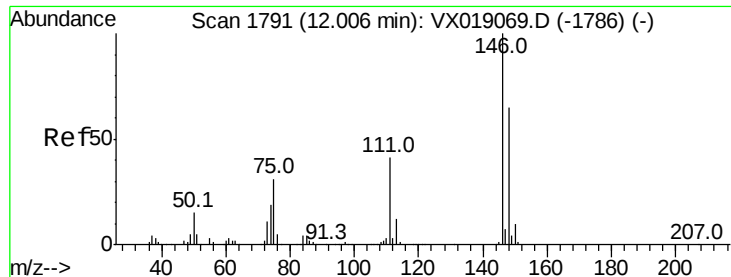
Tot Ion:105 Resp: 212559
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 40.8



#82
 p-Isopropyltoluene
 Concen: 18.300 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX019090.D
 Acq: 23 Oct 2020 20:37

Tgt Ion:119 Resp: 193735
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.0
 91 22.8 0.0 45.6

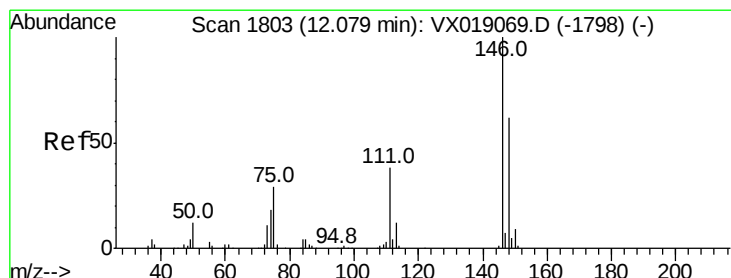
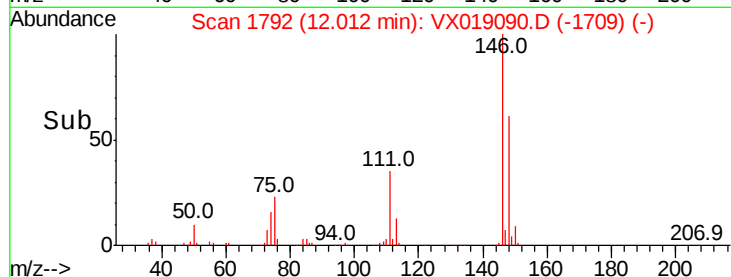
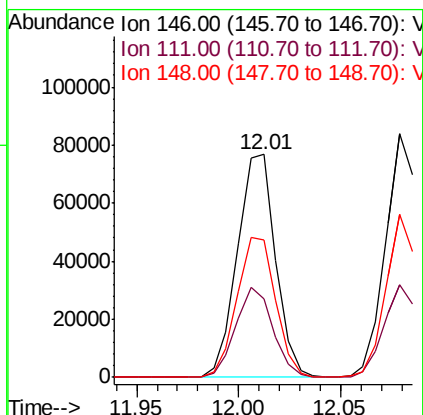
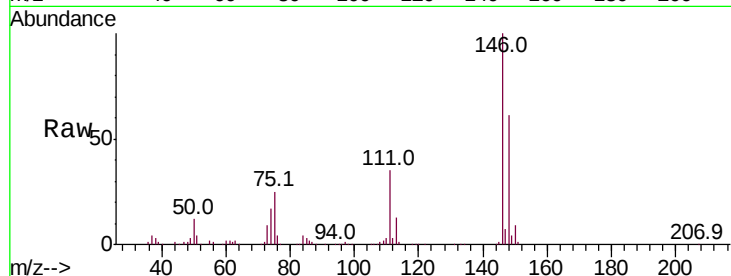




#83
 1,3-Dichlorobenzene
 Concen: 18.809 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX019090.D
 Acq: 23 Oct 2020 20:37

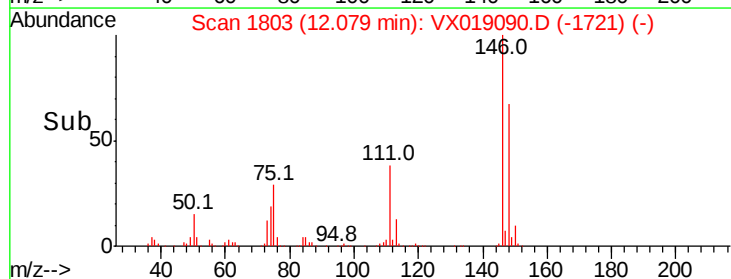
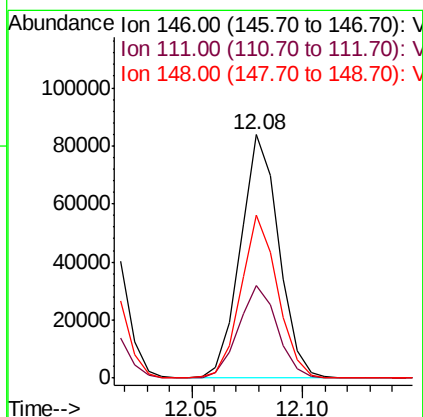
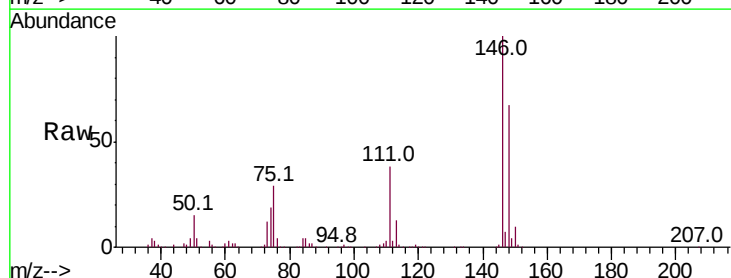
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

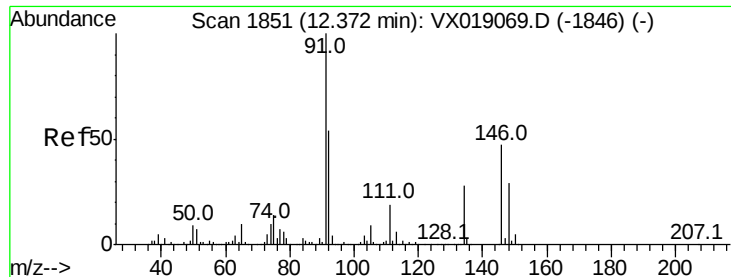
Tot Ion:146 Resp: 99815
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.0 59.9
 148 63.5 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 18.721 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX019090.D
 Acq: 23 Oct 2020 20:37

Tgt Ion:146 Resp: 100872
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.9 56.7
 148 64.2 31.6 95.0

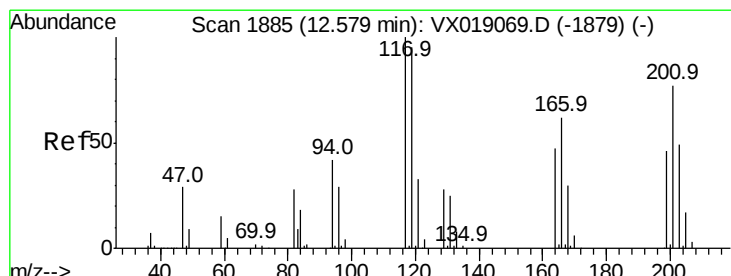
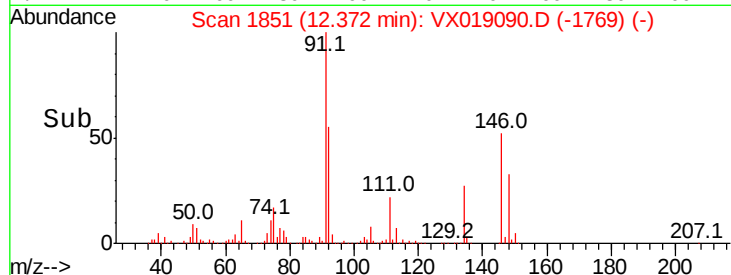
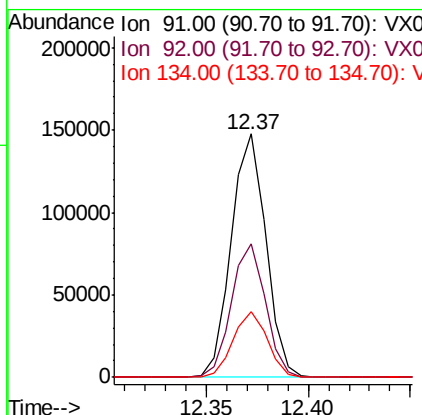
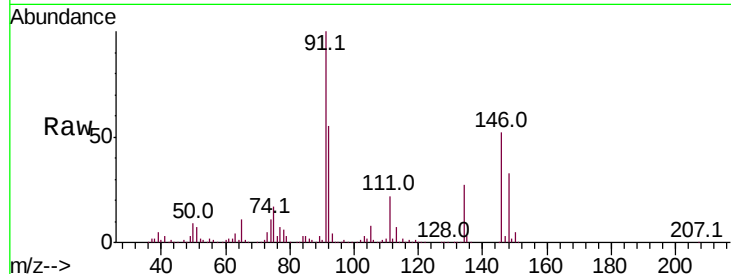




#85
n-Butylbenzene
Concen: 18.248 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

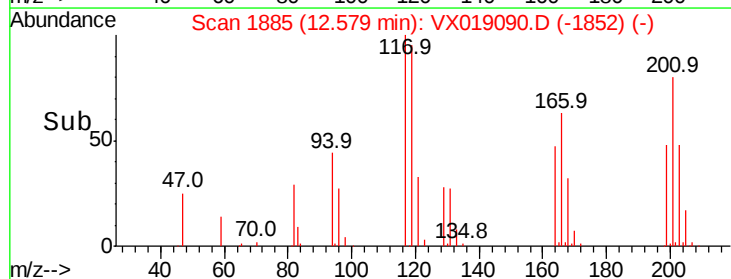
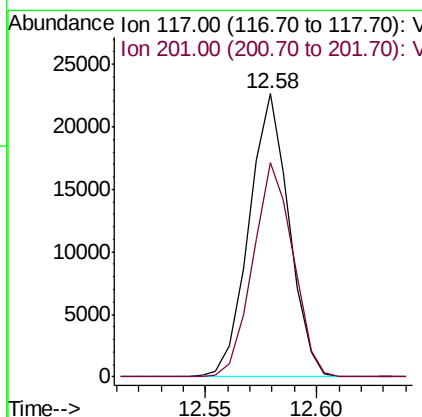
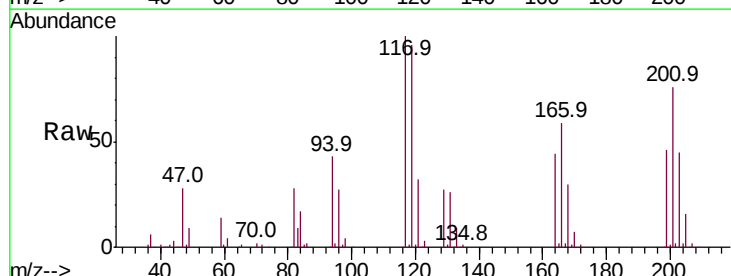
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

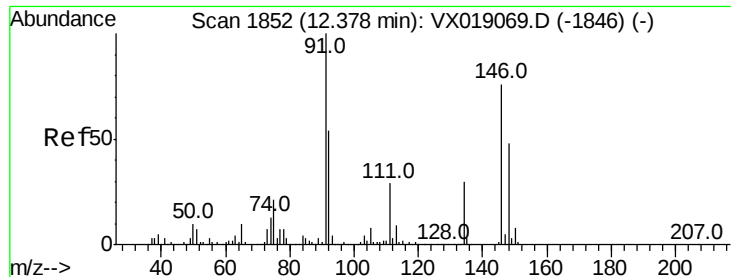
Tot Ion: 91 Resp: 172971
Ion Ratio Lower Upper
91 100
92 53.7 0.0 107.4
134 26.9 0.0 54.6



#86
Hexachloroethane
Concen: 17.396 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX019090.D
Acq: 23 Oct 2020 20:37

Tgt Ion: 117 Resp: 28287
Ion Ratio Lower Upper
117 100
201 76.4 38.4 115.1





#87

1,2-Dichlorobenzene

Concen: 19.361 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

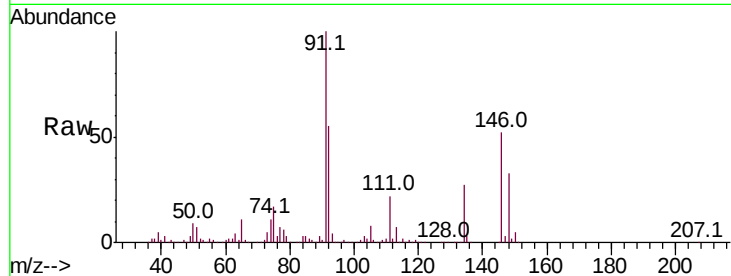
Tot Ion:146 Resp: 98361

Ion Ratio Lower Upper

146 100

111 40.8 20.3 61.0

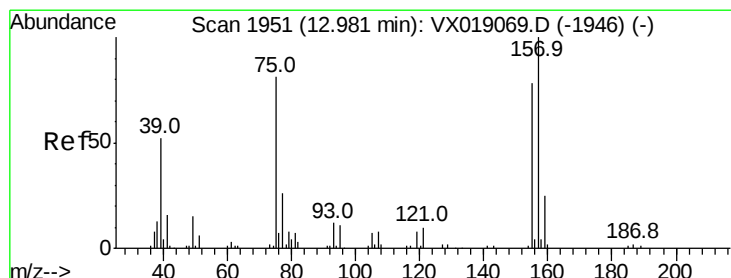
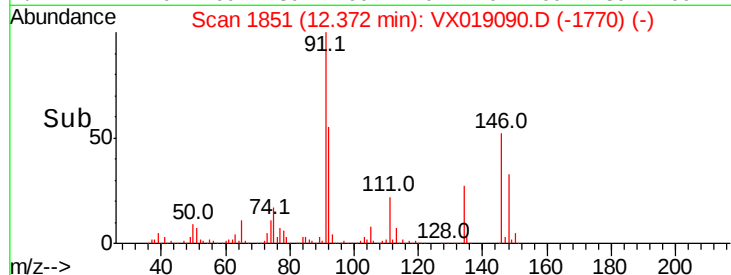
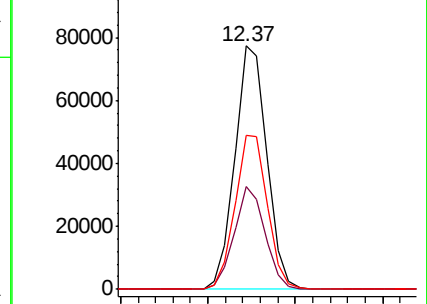
148 63.9 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.862 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

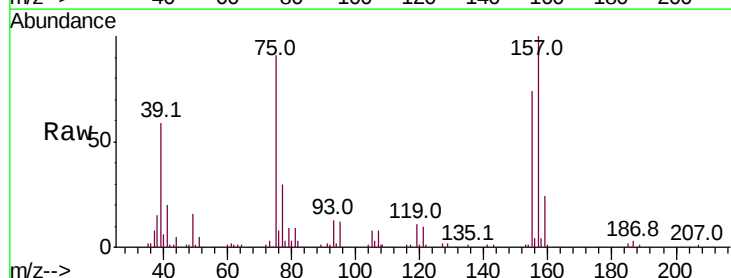
Tgt Ion: 75 Resp: 14973

Ion Ratio Lower Upper

75 100

155 86.7 73.7 110.5

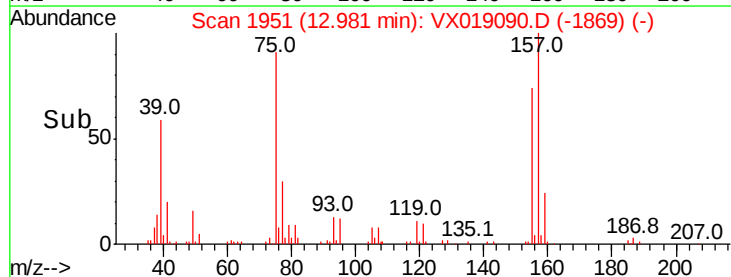
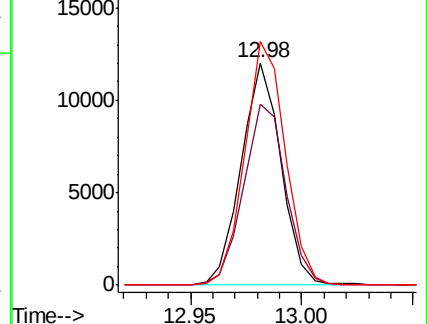
157 111.9 96.5 144.7

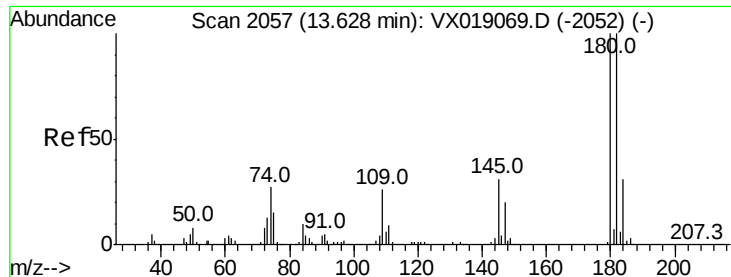


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

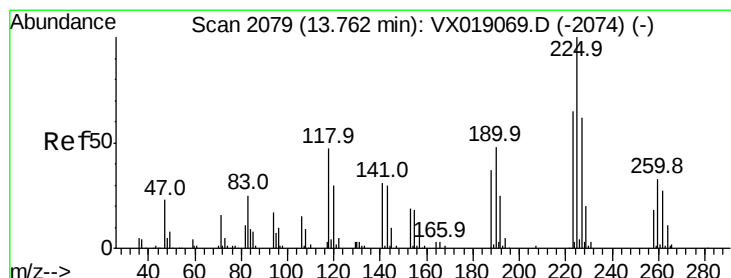
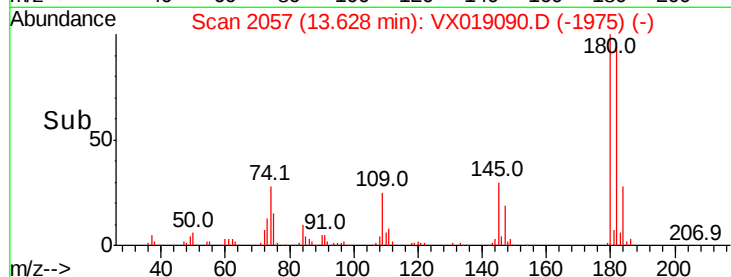
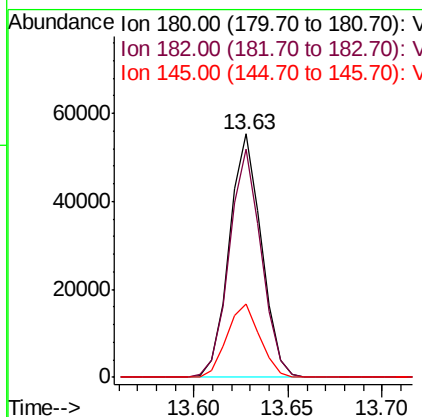
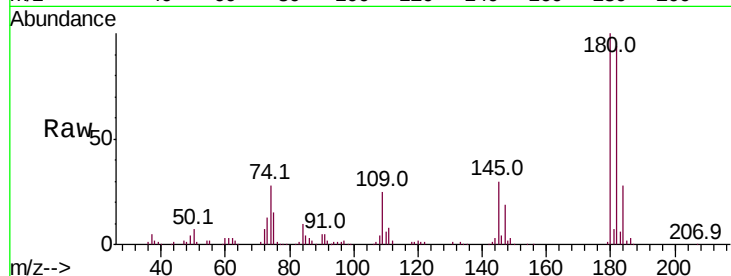




#89
 1,2,4-Trichlorobenzene
 Concen: 17.833 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019090.D
 Acq: 23 Oct 2020 20:37

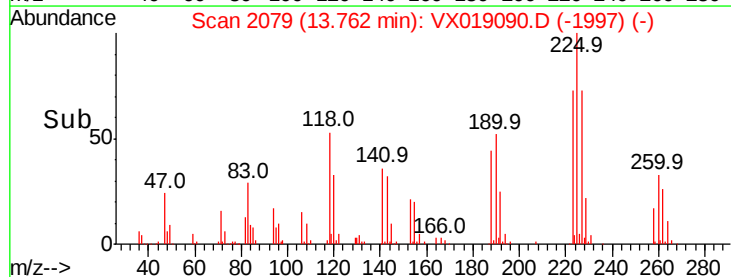
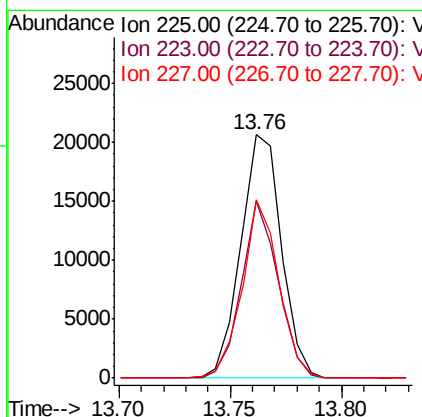
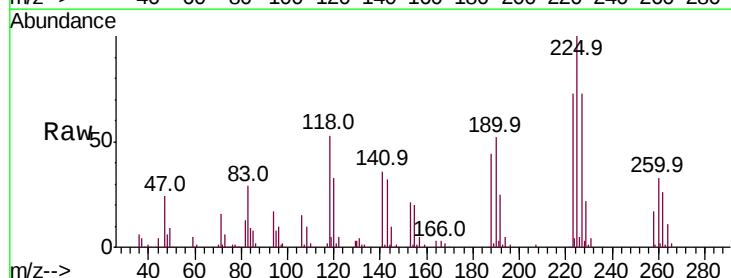
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

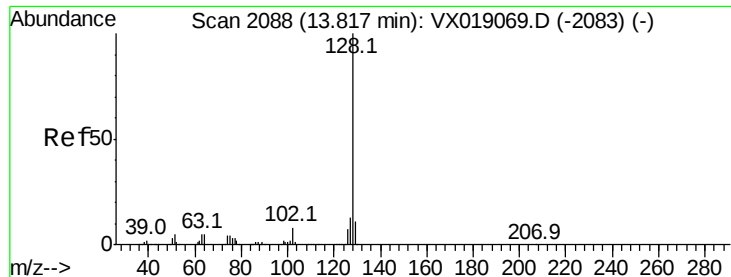
Tot Ion:180 Resp: 65199
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.5 114.7
 145 31.2 24.2 36.4



#90
 Hexachlorobutadiene
 Concen: 17.047 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX019090.D
 Acq: 23 Oct 2020 20:37

Tgt Ion:225 Resp: 26426
 Ion Ratio Lower Upper
 225 100
 223 65.4 0.0 130.0
 227 65.4 0.0 128.6





#91

Naphthalene

Concen: 18.113 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

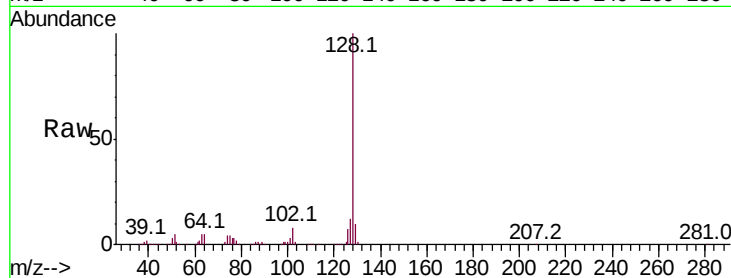
Tot Ion:128 Resp: 216790

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

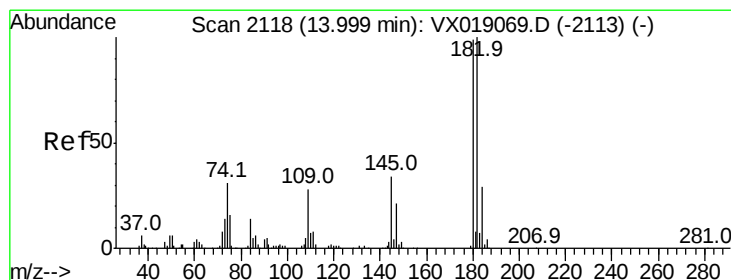
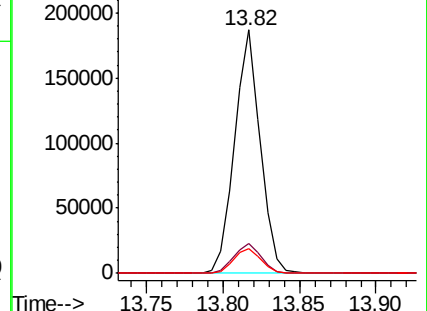
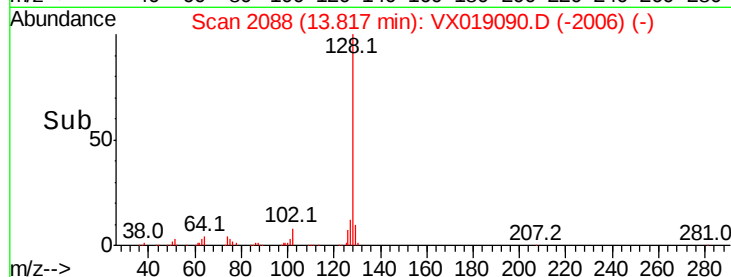
129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 18.272 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX019090.D

Acq: 23 Oct 2020 20:37

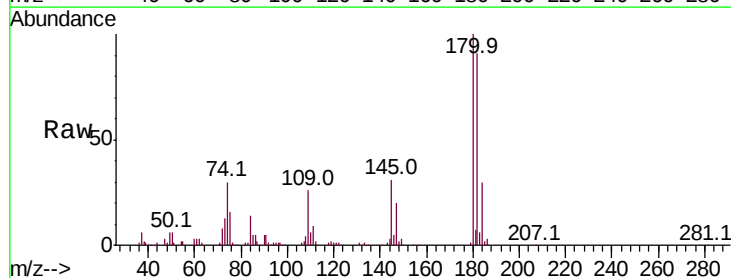
Tgt Ion:180 Resp: 64263

Ion Ratio Lower Upper

180 100

182 94.2 0.0 192.4

145 32.2 0.0 64.6



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

