

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031721\
 Data File : VX021264.D
 Acq On : 17 Mar 2021 12:04
 Operator : JC/MD
 Sample : M1667-01 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 18 03:52:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

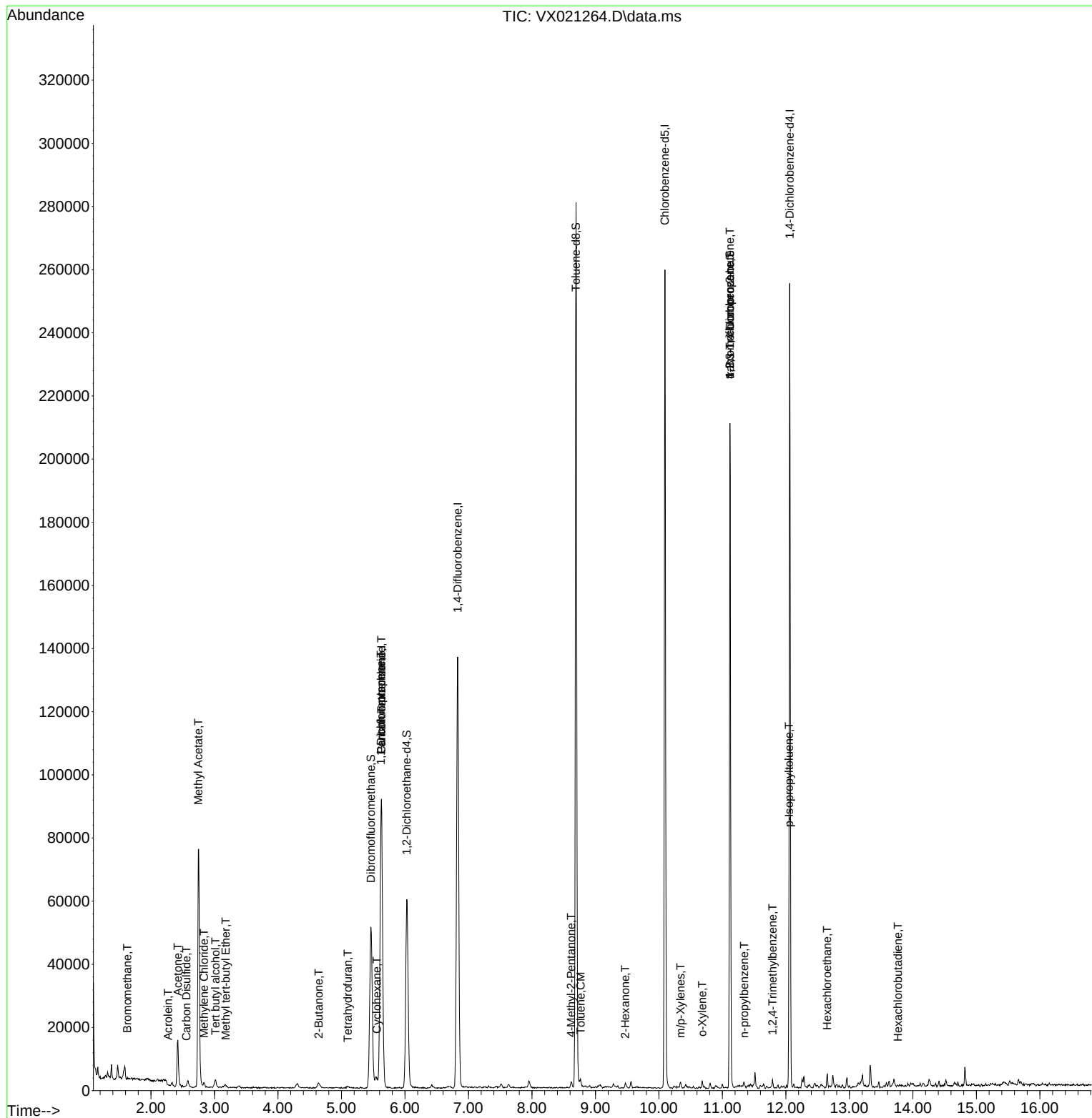
Internal Standards						
1) Pentafluorobenzene	5.629	168	80181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	128110	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	109480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	44552	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	59818	45.49	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.98%		
35) Dibromofluoromethane	5.464	113	42282	48.50	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.00%		
50) Toluene-d8	8.694	98	154746	48.92	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.84%		
62) 4-Bromofluorobenzene	11.118	95	54893	44.69	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.38%		
Target Compounds						Qvalue
3) Chloromethane	1.317	50	1380	Below Cal		93
5) Bromomethane	1.628	94	126	0.30 ug/l		89
11) Tert butyl alcohol	3.017	59	2698	12.21 ug/l		96
13) Acrolein	2.270	56	79	3.71 ug/l #		14
16) Acetone	2.423	43	15504	32.04 ug/l #		86
17) Carbon Disulfide	2.558	76	590	0.78 ug/l #		75
18) Methyl Acetate	2.746	43	91564	69.05 ug/l #		89
19) Methyl tert-butyl Ether	3.176	73	884	0.29 ug/l		94
20) Methylene Chloride	2.835	84	461	0.46 ug/l #		67
25) 2-Butanone	4.641	43	2471	3.32 ug/l #		86
29) Tetrahydrofuran	5.100	42	151	0.31 ug/l #		27
31) Cyclohexane	5.558	56	2249	1.41 ug/l		89
36) 1,1-Dichloropropene	5.623	75	7263	5.63 ug/l #		49
38) Carbon Tetrachloride	5.629	117	8615	6.43 ug/l #		16
49) 1,4-Dioxane	7.723	88	18	Below Cal #		1
51) 4-Methyl-2-Pentanone	8.618	43	1367	0.96 ug/l #		81
52) Toluene	8.765	92	518	0.24 ug/l		90
59) 2-Hexanone	9.471	43	1067	1.00 ug/l		74
68) m/p-Xylenes	10.341	106	391	0.26 ug/l		90
69) o-Xylene	10.683	106	419	0.29 ug/l		95
76) 1,2,3-Trichloropropane	11.118	75	29717	28.75 ug/l #		38
78) n-propylbenzene	11.342	91	777	0.20 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.118	75	29717	78.07 ug/l #		12
84) 1,2,4-Trimethylbenzene	11.789	105	756	0.27 ug/l		98
86) p-Isopropyltoluene	12.047	119	861	0.30 ug/l #		55
90) Hexachloroethane	12.648	117	200	0.46 ug/l #		9
94) Hexachlorobutadiene	13.765	225	87	0.23 ug/l #		69

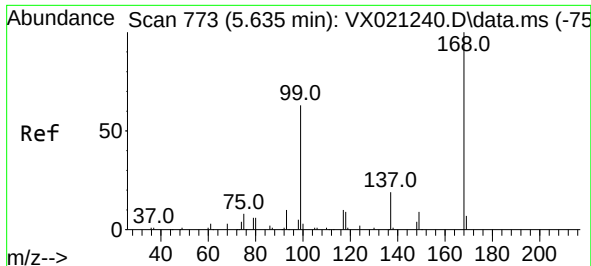
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031721\
Data File : VX021264.D
Acq On : 17 Mar 2021 12:04
Operator : JC/MD
Sample : M1667-01 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Mar 18 03:52:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 16 14:00:21 2021
Response via : Initial Calibration

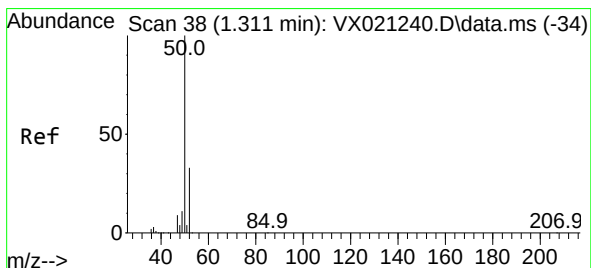
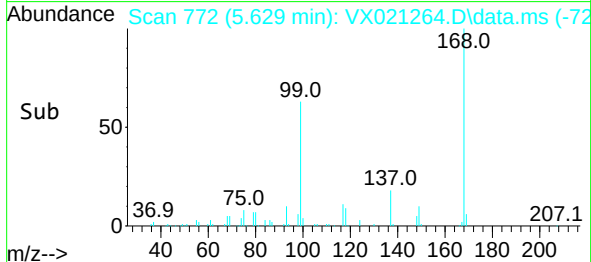
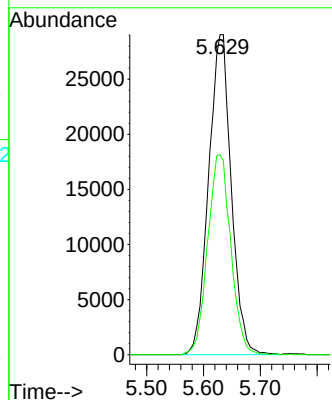
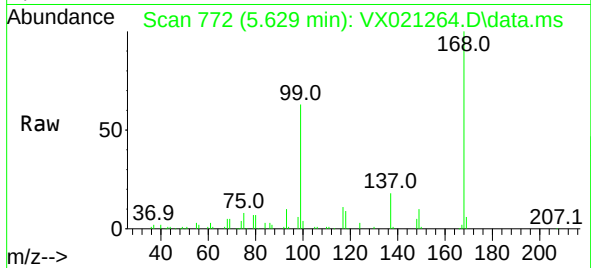




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

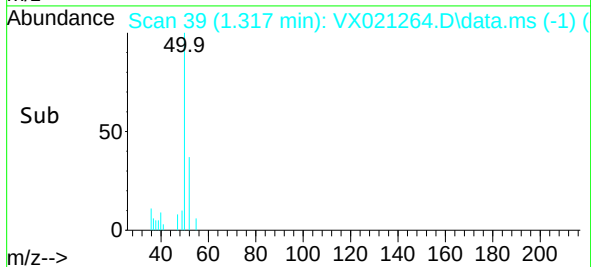
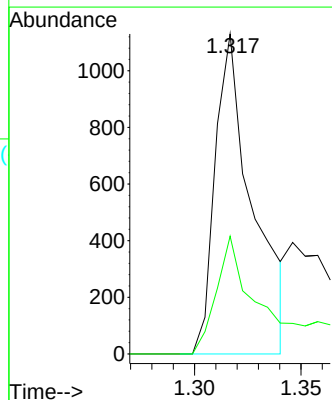
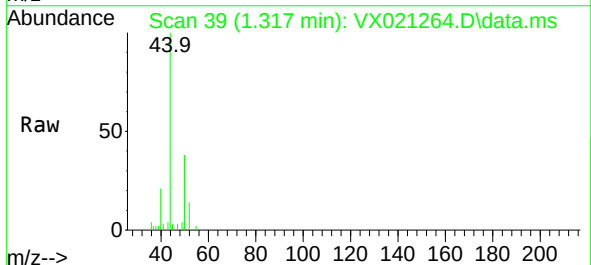
Instrument :
MSVOA_X
ClientSampled :

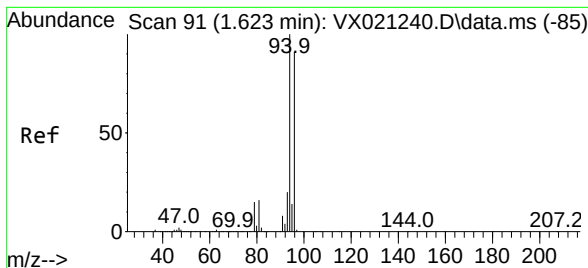
Tgt Ion:168 Resp: 80181
Ion Ratio Lower Upper
168 100
99 62.5 45.8 68.6



#3
Chloromethane
Concen: Below Cal
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

Tgt Ion: 50 Resp: 1380
Ion Ratio Lower Upper
50 100
52 36.8 26.4 39.6

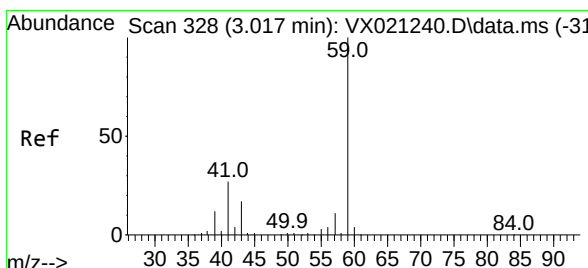
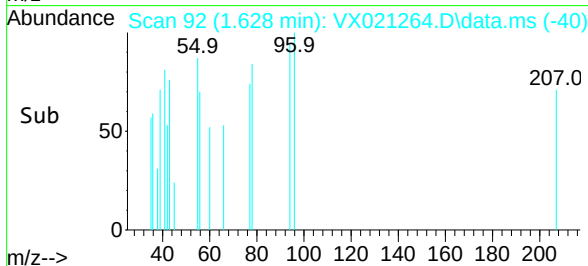
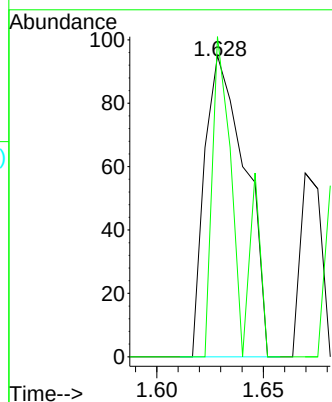
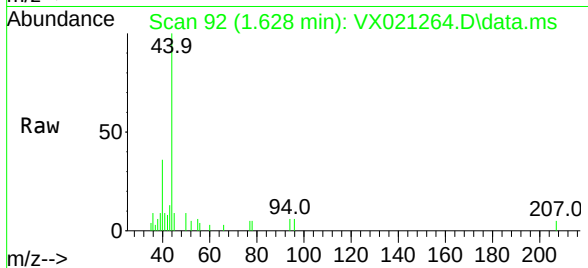




#5
Bromomethane
Concen: 0.30 ug/l
RT: 1.628 min Scan# 92
Delta R.T. 0.005 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

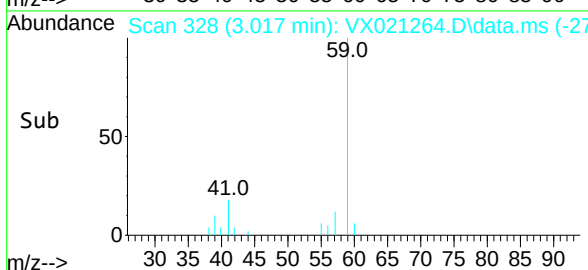
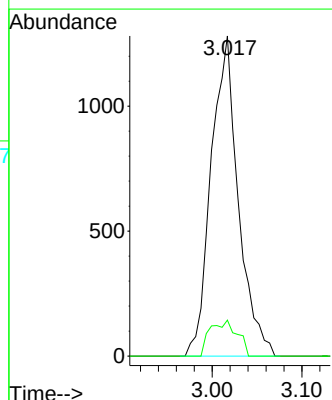
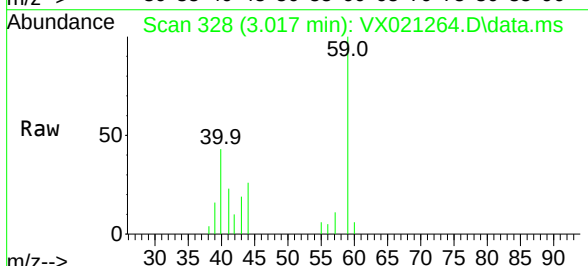
Instrument :
MSVOA_X
ClientSampleId :

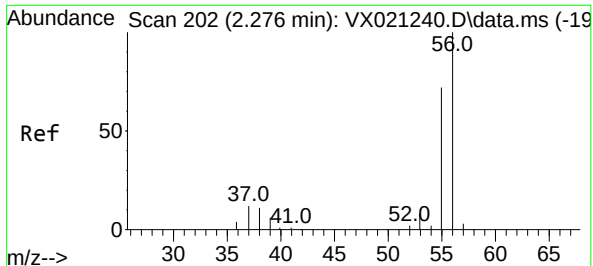
Tgt Ion: 94 Resp: 126
Ion Ratio Lower Upper
94 100
96 106.3 76.4 114.6



#11
Tert butyl alcohol
Concen: 12.21 ug/l
RT: 3.017 min Scan# 328
Delta R.T. -0.000 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

Tgt Ion: 59 Resp: 2698
Ion Ratio Lower Upper
59 100
57 11.2 7.8 11.8

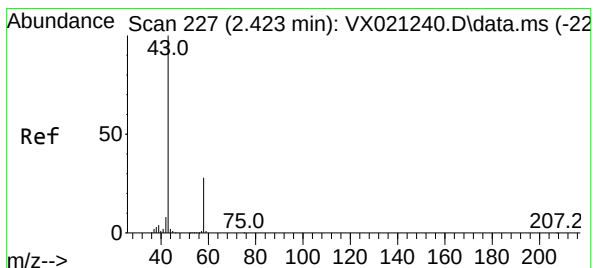
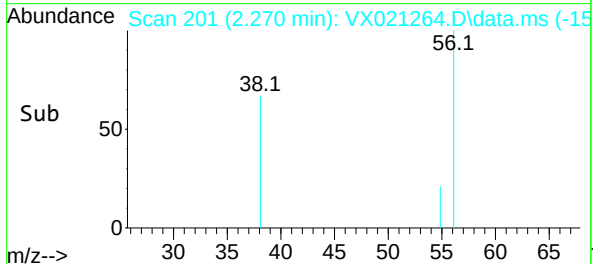
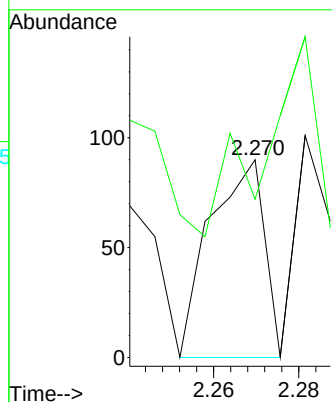
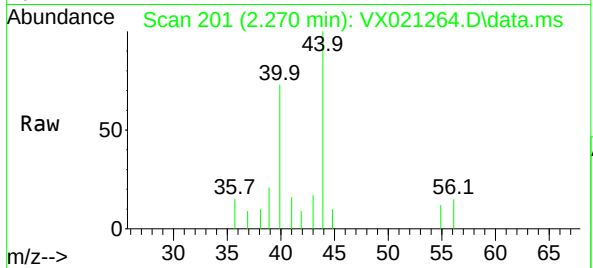




#13
Acrolein
Concen: 3.71 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

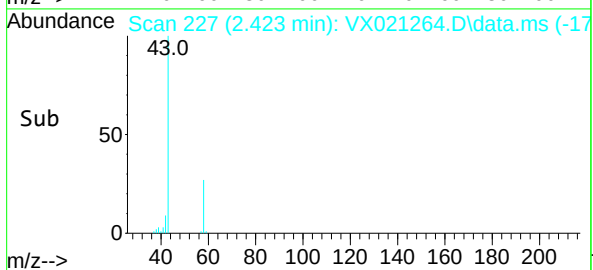
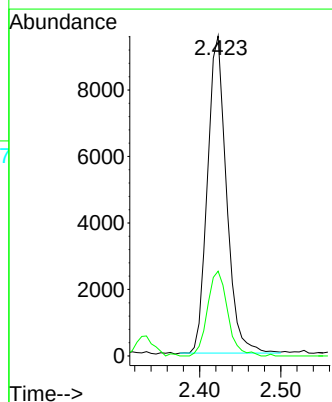
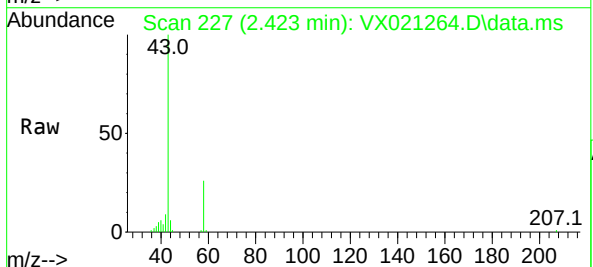
Instrument :
MSVOA_X
ClientSampled :

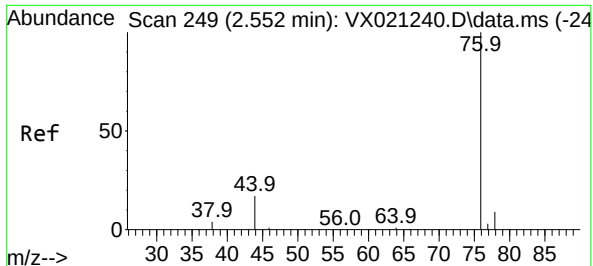
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 32.04 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

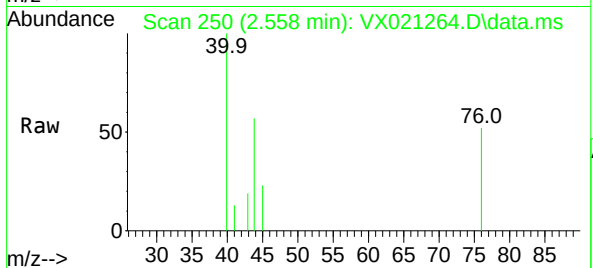
Tgt Ion: 43 Resp: 15504
Ion Ratio Lower Upper
43 100
58 26.7 27.8 41.8#



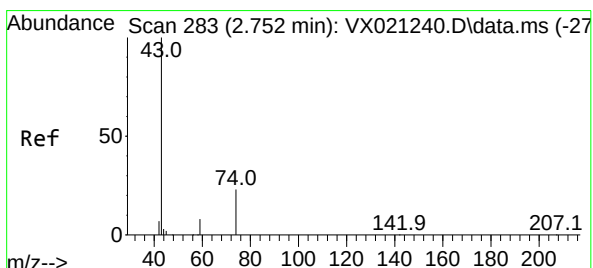
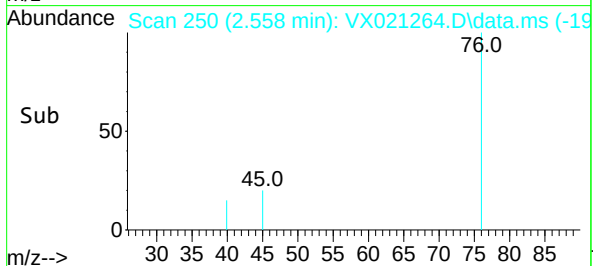
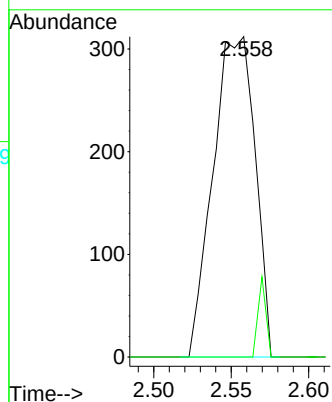


#17
Carbon Disulfide
Concen: 0.78 ug/l
RT: 2.558 min Scan# 250
Delta R.T. 0.006 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

Instrument :
MSVOA_X
ClientSampled :

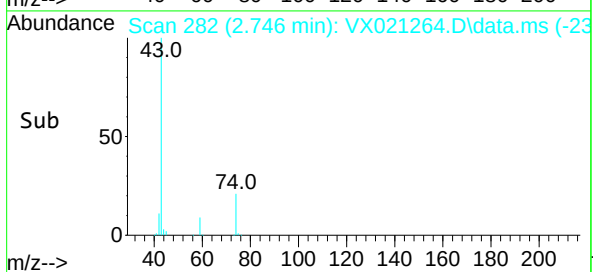
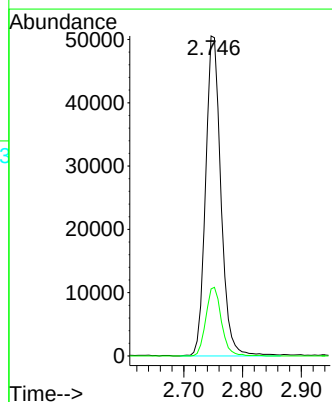
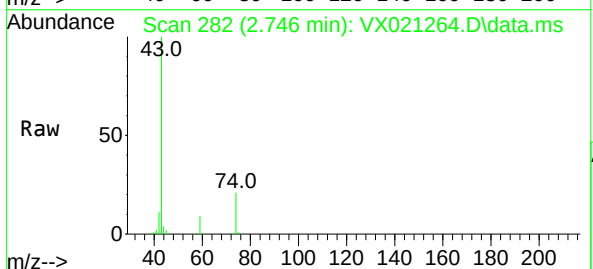


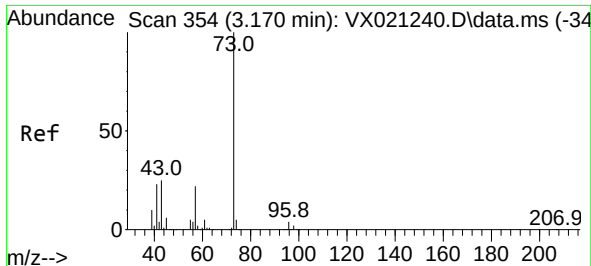
Tgt Ion: 76 Resp: 590
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 69.05 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

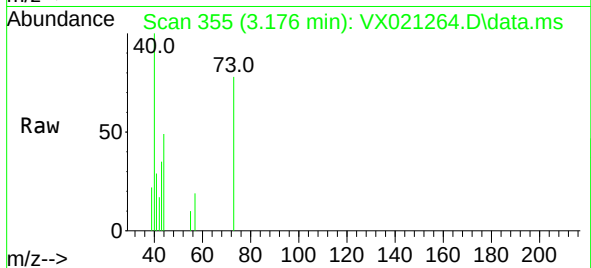
Tgt Ion: 43 Resp: 91564
Ion Ratio Lower Upper
43 100
74 21.6 21.9 32.9#



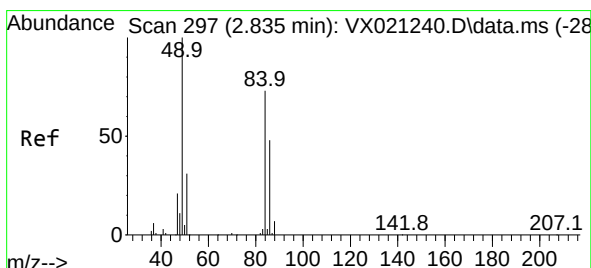
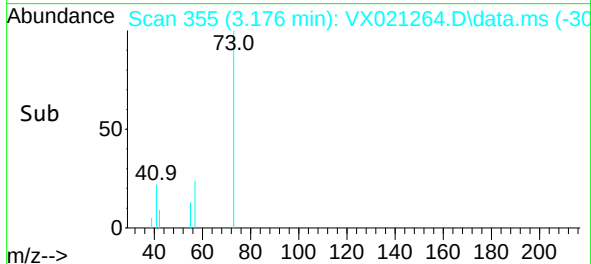
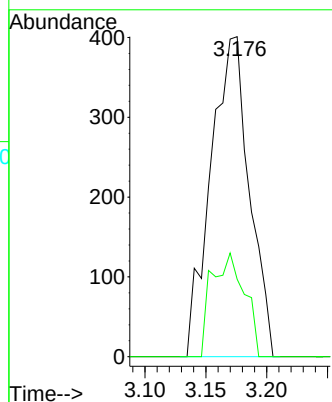


#19
Methyl tert-butyl Ether
Concen: 0.29 ug/l
RT: 3.176 min Scan# 355
Delta R.T. 0.006 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

Instrument :
MSVOA_X
ClientSampled :

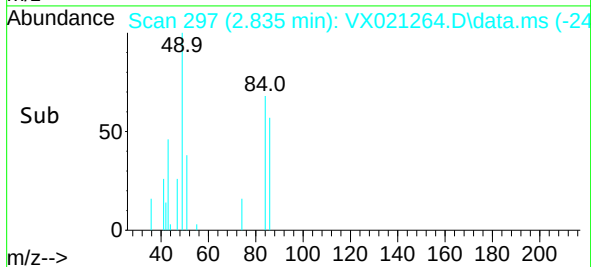
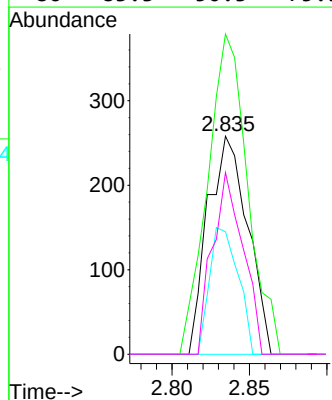
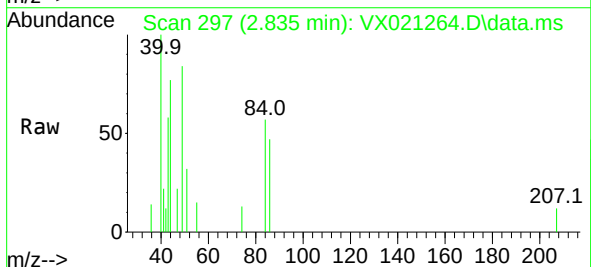


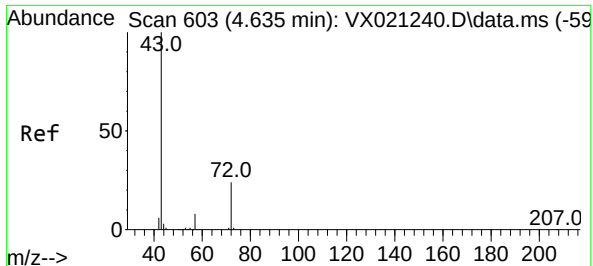
Tgt Ion: 73 Resp: 884
Ion Ratio Lower Upper
73 100
57 24.2 17.1 25.7



#20
Methylene Chloride
Concen: 0.46 ug/l
RT: 2.835 min Scan# 297
Delta R.T. -0.000 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

Tgt Ion: 84 Resp: 461
Ion Ratio Lower Upper
84 100
49 146.9 88.6 132.8#
51 56.2 27.0 40.6#
86 83.3 50.3 75.5#





#25

2-Butanone

Concen: 3.32 ug/l

RT: 4.641 min Scan# 604

Delta R.T. 0.006 min

Lab File: VX021264.D

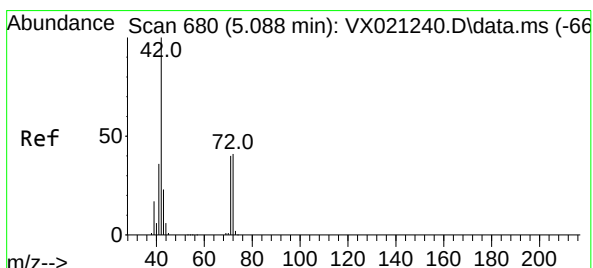
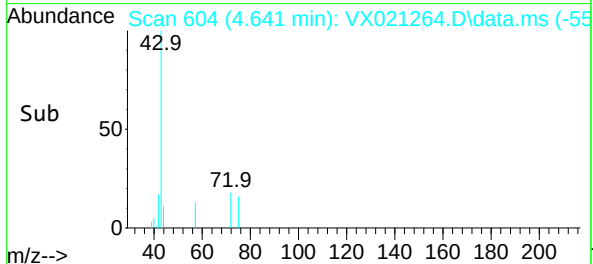
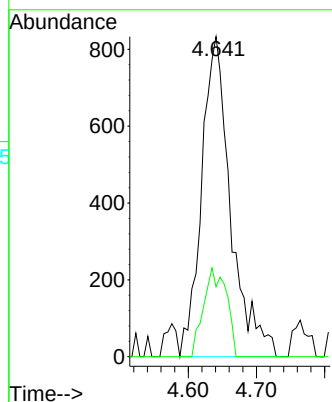
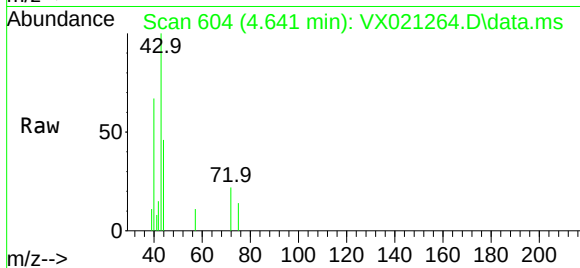
Acq: 17 Mar 2021 12:04

Tgt Ion: 43 Resp: 2471

Ion Ratio Lower Upper

43 100

72 21.8 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.31 ug/l

RT: 5.100 min Scan# 682

Delta R.T. 0.012 min

Lab File: VX021264.D

Acq: 17 Mar 2021 12:04

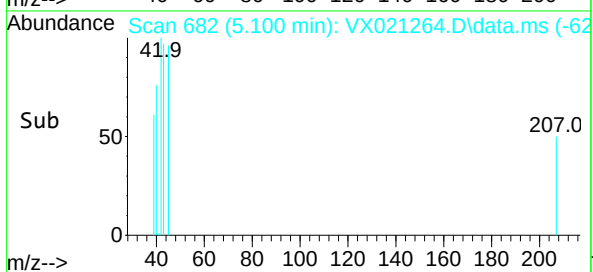
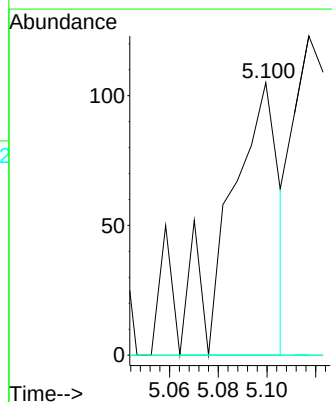
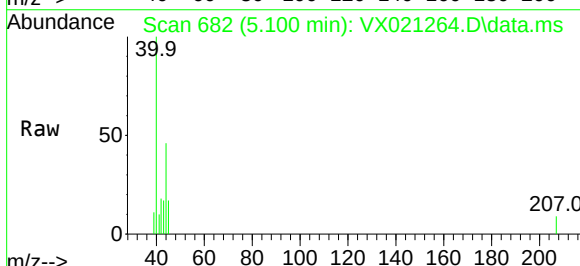
Tgt Ion: 42 Resp: 151

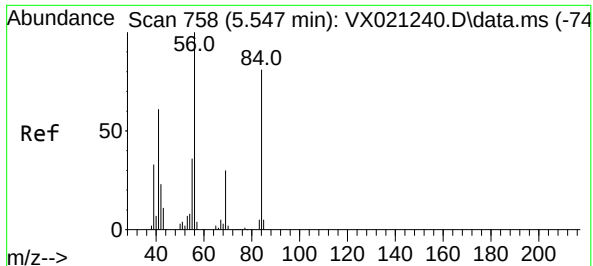
Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

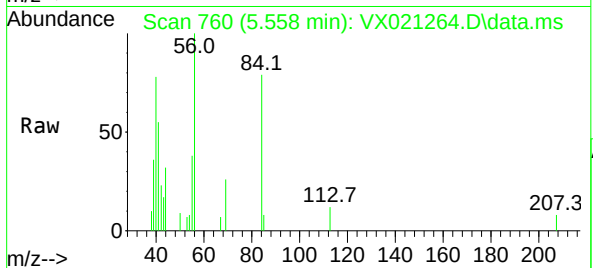
71 0.0 38.4 57.6#



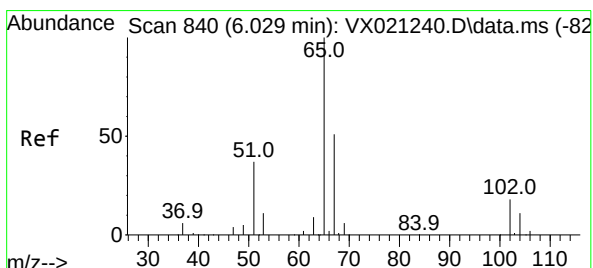
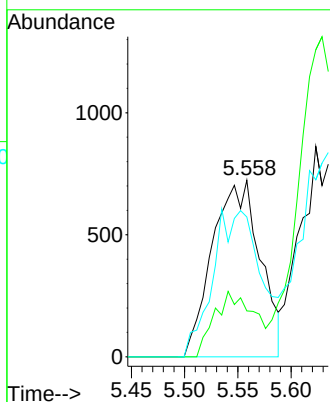
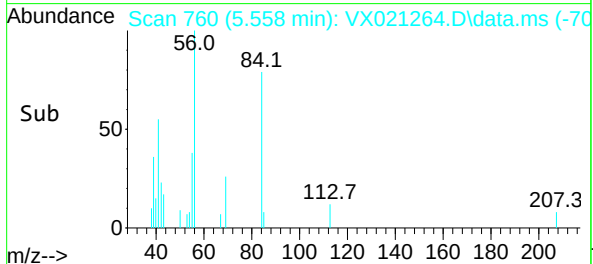


#31
Cyclohexane
Concen: 1.41 ug/l
RT: 5.558 min Scan# 760
Delta R.T. 0.011 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

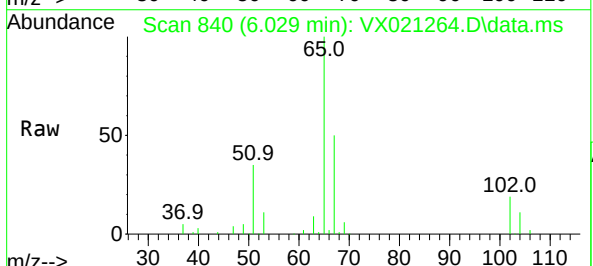
Instrument :
MSVOA_X
ClientSampleId :



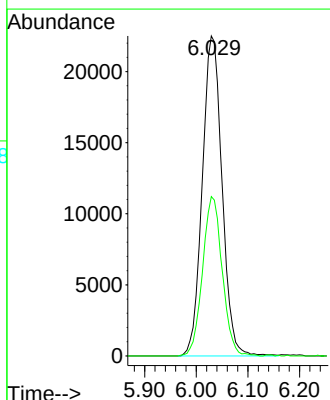
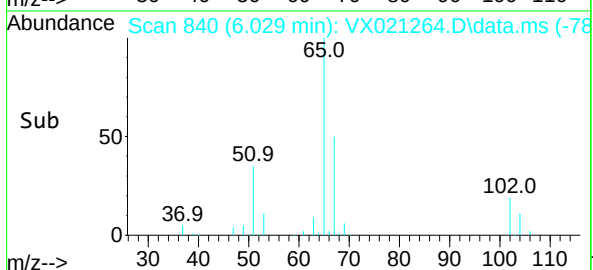
Tgt Ion: 56 Resp: 2249
Ion Ratio Lower Upper
56 100
69 26.0 25.3 37.9
84 79.1 71.4 107.0

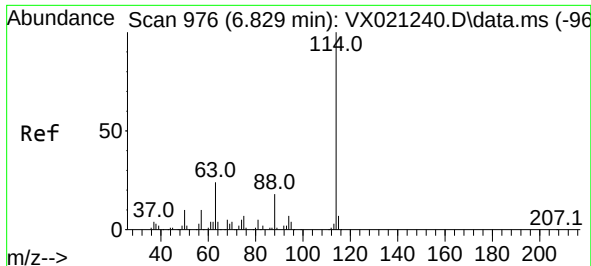


#33
1,2-Dichloroethane-d4
Concen: 45.49 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.000 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04



Tgt Ion: 65 Resp: 59818
Ion Ratio Lower Upper
65 100
67 49.5 0.0 105.4

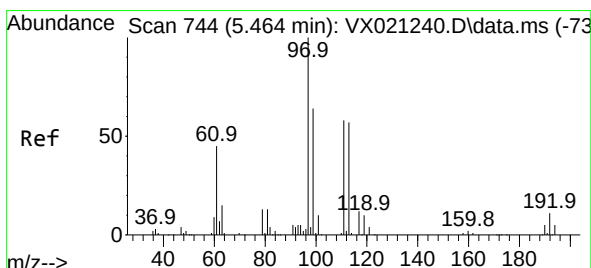
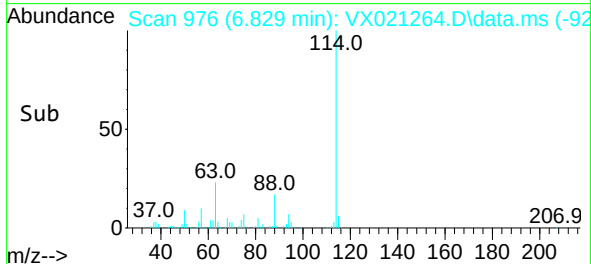
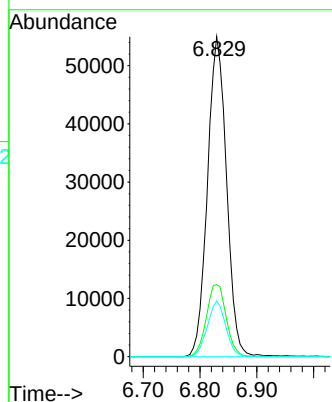
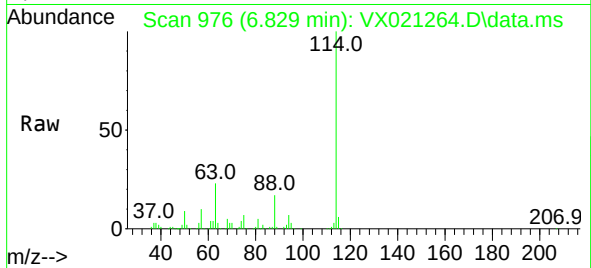




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

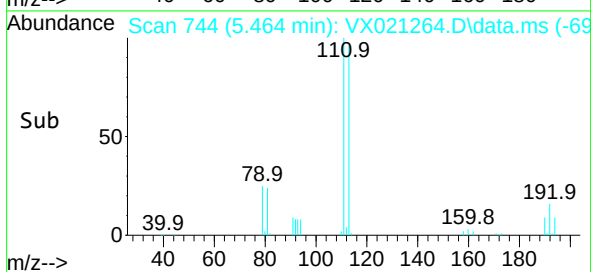
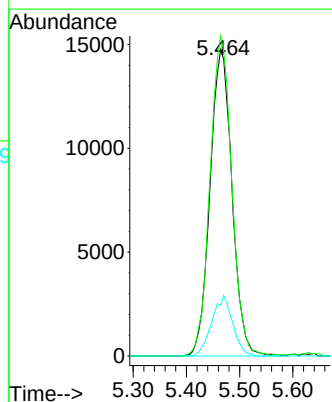
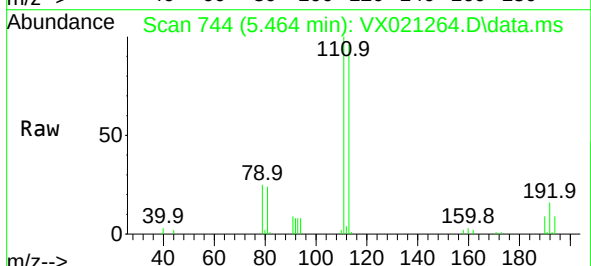
Instrument :
MSVOA_X
ClientSampleId :

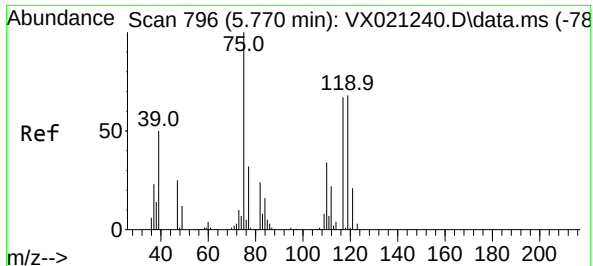
Tgt Ion:114 Resp: 128110
Ion Ratio Lower Upper
114 100
63 22.5 0.0 40.8
88 17.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.50 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

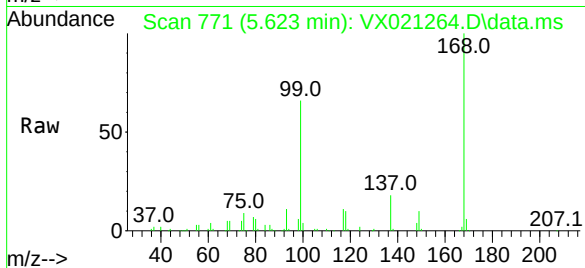
Tgt Ion:113 Resp: 42282
Ion Ratio Lower Upper
113 100
111 103.5 81.9 122.9
192 18.7 16.7 25.1





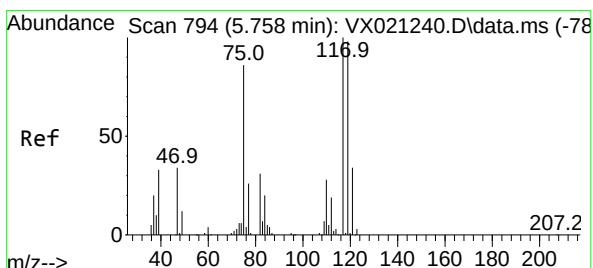
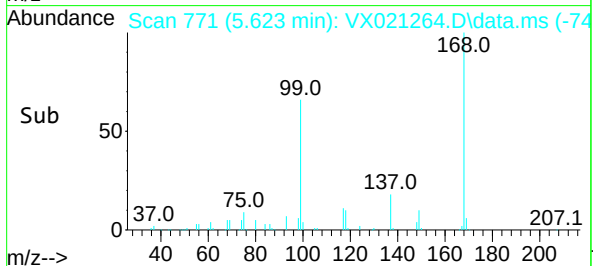
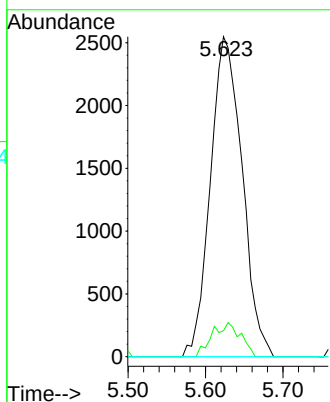
#36
 1,1-Dichloropropene
 Concen: 5.63 ug/l
 RT: 5.623 min Scan# 771
 Delta R.T. -0.147 min
 Lab File: VX021264.D
 Acq: 17 Mar 2021 12:04

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 7263

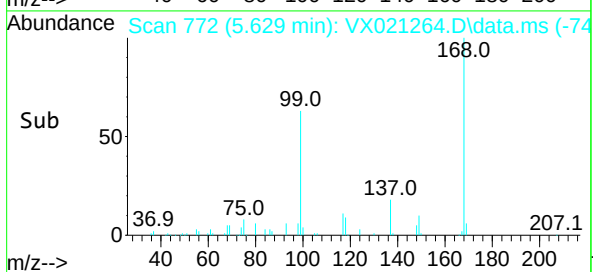
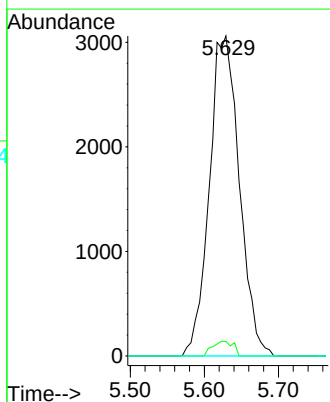
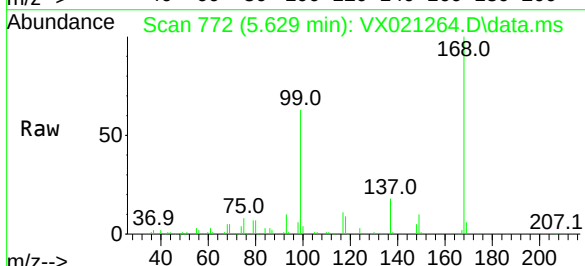
Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.1	54.4#
77	0.0	25.3	37.9#

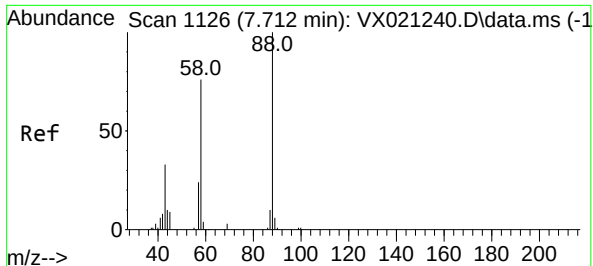


#38
 Carbon Tetrachloride
 Concen: 6.43 ug/l
 RT: 5.629 min Scan# 772
 Delta R.T. -0.129 min
 Lab File: VX021264.D
 Acq: 17 Mar 2021 12:04

Tgt Ion: 117 Resp: 8615

Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.2	114.2#
121	0.0	24.8	37.2#





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.723 min Scan# 1128

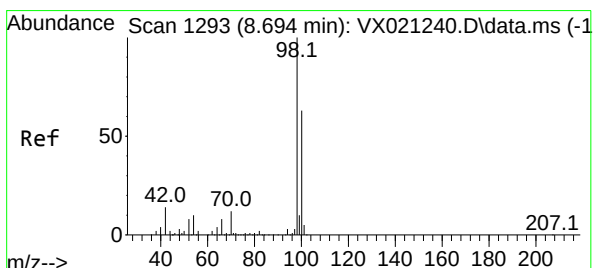
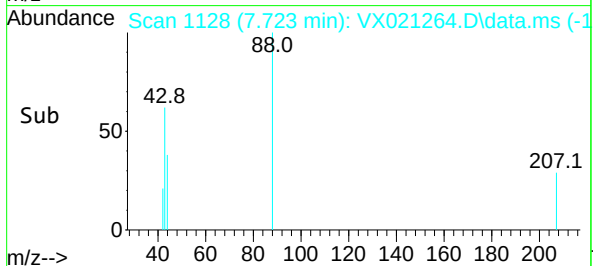
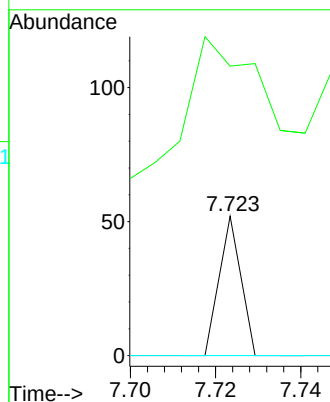
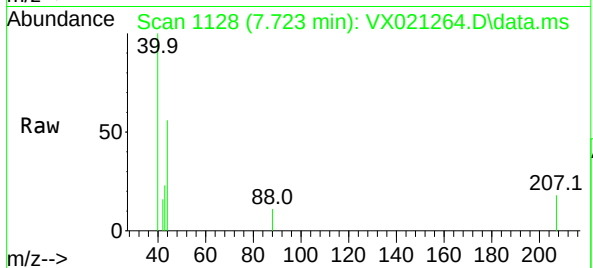
Delta R.T. 0.011 min

Lab File: VX021264.D

Acq: 17 Mar 2021 12:04

Tgt Ion:	88	Resp:	18
Ion	Ratio	Lower	Upper
88	100		
43	1883.3	23.2	34.8#
58	0.0	55.0	82.4#

Instrument :
MSVOA_X
ClientSampleId :



#50

Toluene-d8

Concen: 48.92 ug/l

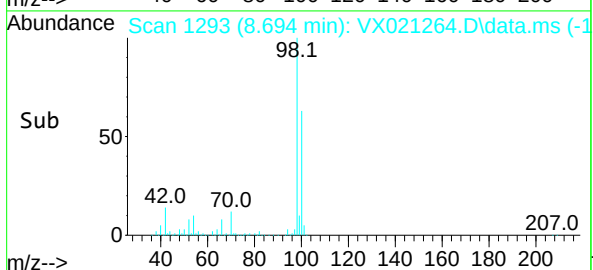
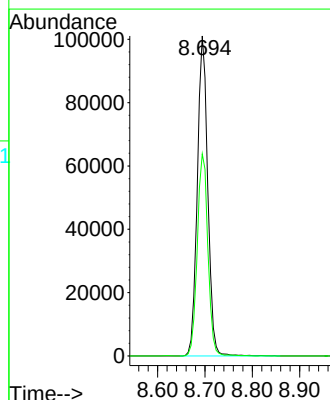
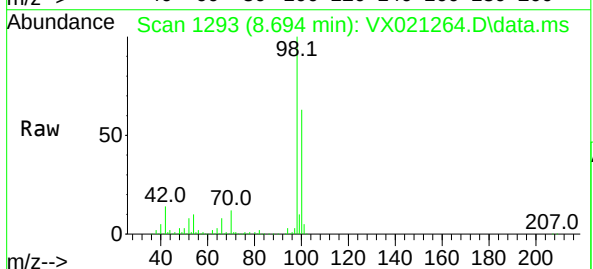
RT: 8.694 min Scan# 1293

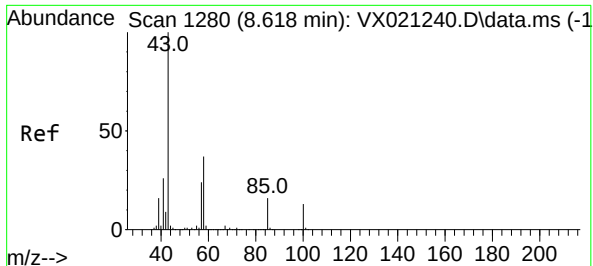
Delta R.T. 0.000 min

Lab File: VX021264.D

Acq: 17 Mar 2021 12:04

Tgt Ion:	98	Resp:	154746
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.9	77.9

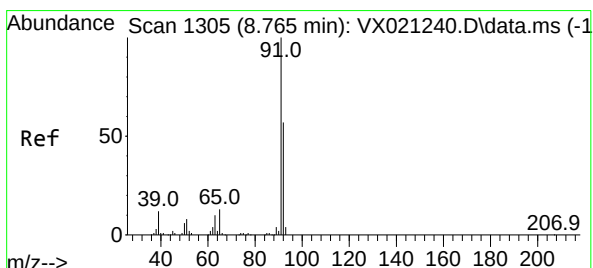
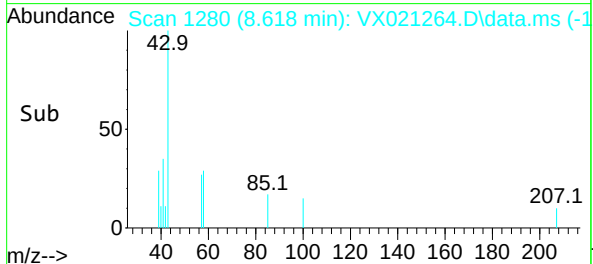
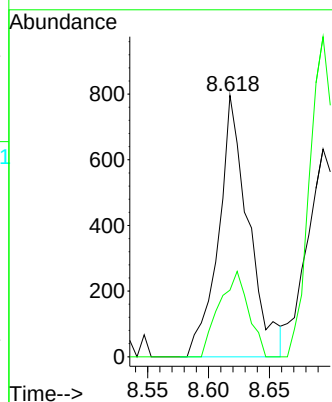
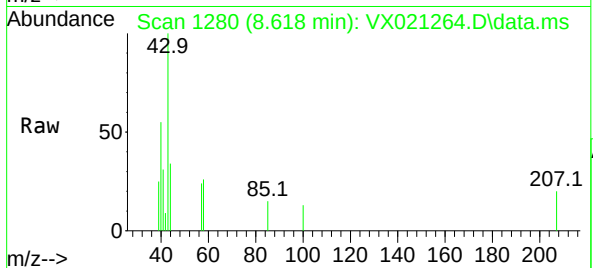




#51
4-Methyl-2-Pentanone
Concen: 0.96 ug/l
RT: 8.618 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

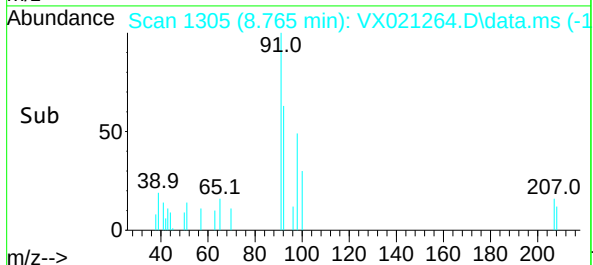
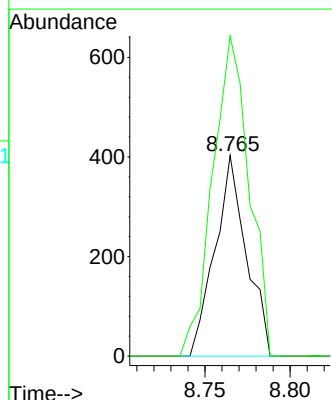
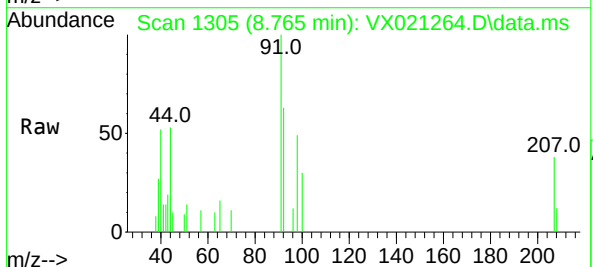
Instrument :
MSVOA_X
ClientSampled :

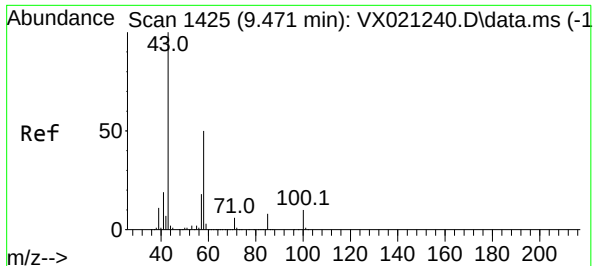
Tgt Ion: 43 Resp: 1367
Ion Ratio Lower Upper
43 100
58 31.7 35.4 53.0#



#52
Toluene
Concen: 0.24 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

Tgt Ion: 92 Resp: 518
Ion Ratio Lower Upper
92 100
91 184.7 137.1 205.7

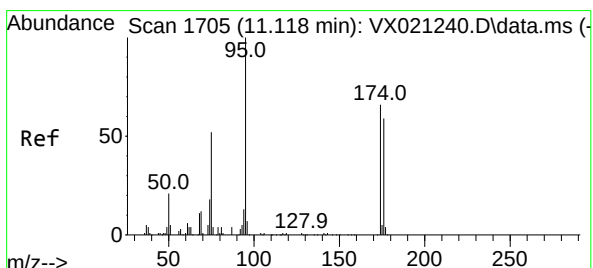
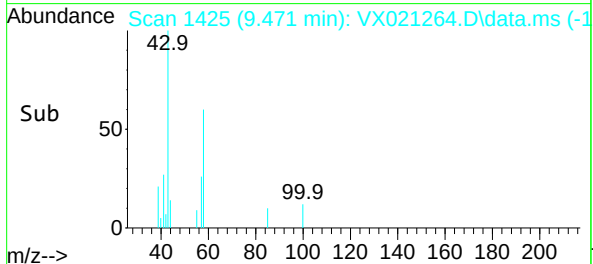
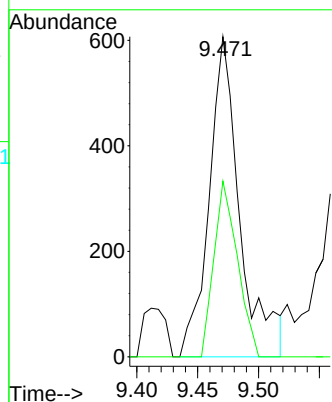
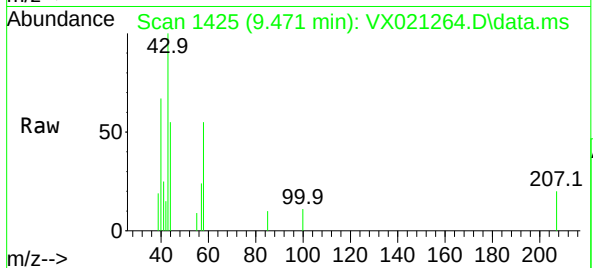




#59
2-Hexanone
Concen: 1.00 ug/l
RT: 9.471 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

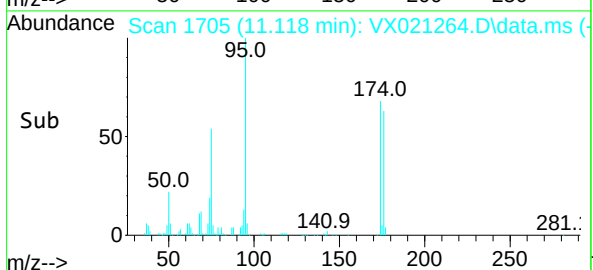
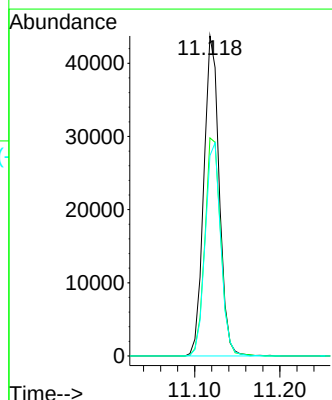
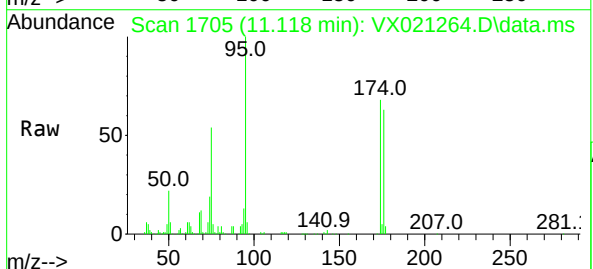
Instrument :
MSVOA_X
ClientSampled :

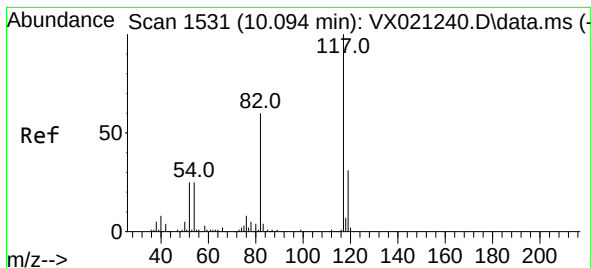
Tgt Ion: 43 Resp: 1067
Ion Ratio Lower Upper
43 100
58 41.9 30.9 92.8



#62
4-Bromofluorobenzene
Concen: 44.69 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

Tgt Ion: 95 Resp: 54893
Ion Ratio Lower Upper
95 100
174 70.0 0.0 154.6
176 67.2 0.0 155.8

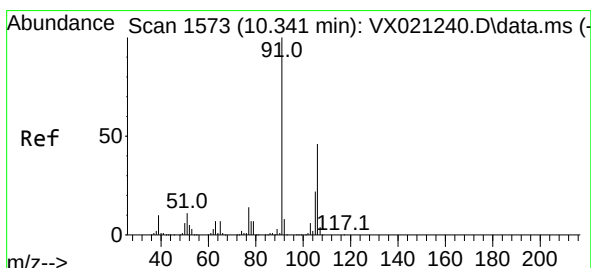
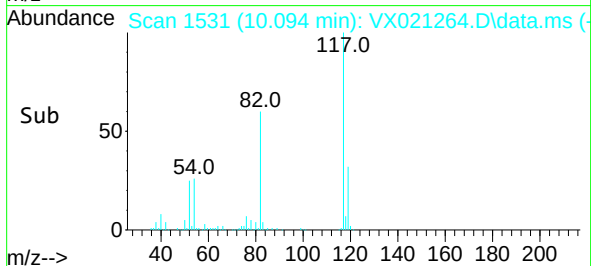
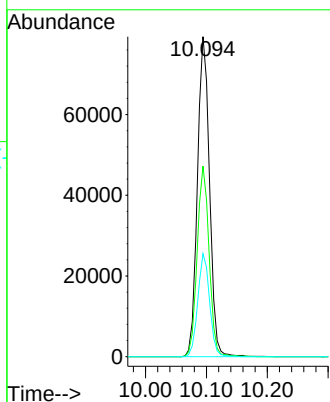
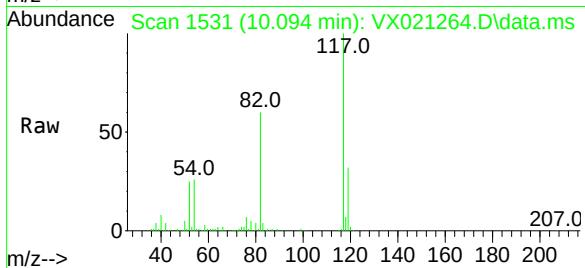




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

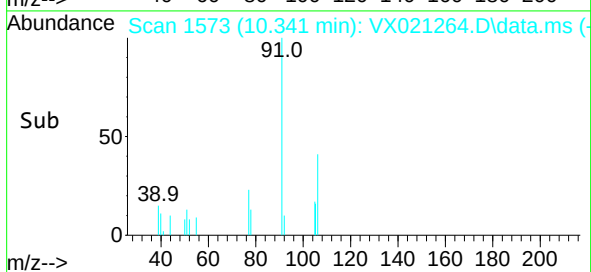
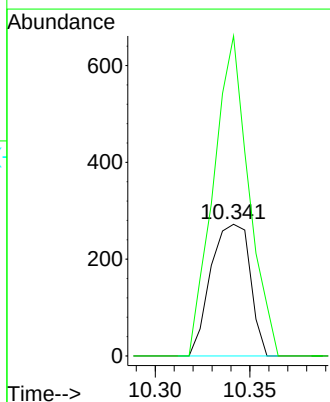
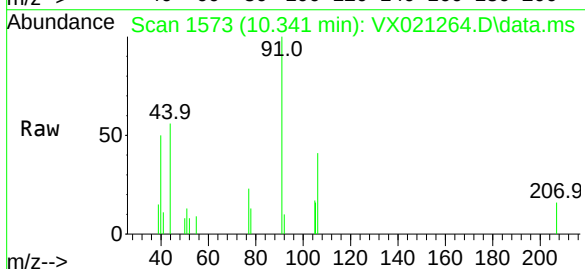
Instrument :
MSVOA_X
ClientSampled :

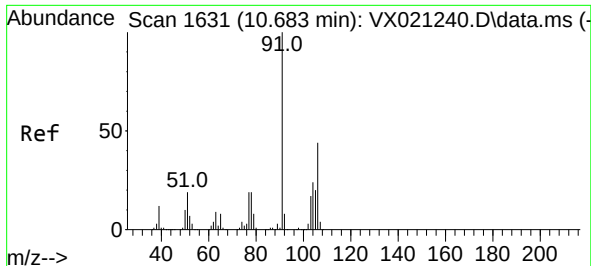
Tgt Ion:117 Resp: 109480
Ion Ratio Lower Upper
117 100
82 59.5 47.4 71.2
119 32.2 26.6 39.8



#68
m/p-Xylenes
Concen: 0.26 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

Tgt Ion:106 Resp: 391
Ion Ratio Lower Upper
106 100
91 218.2 162.8 244.2

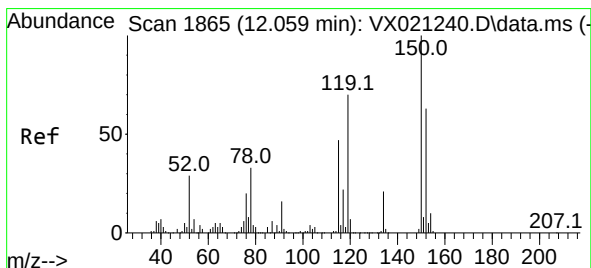
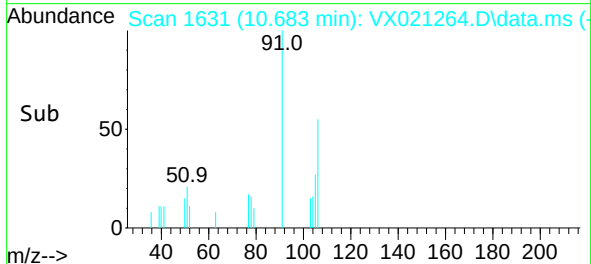
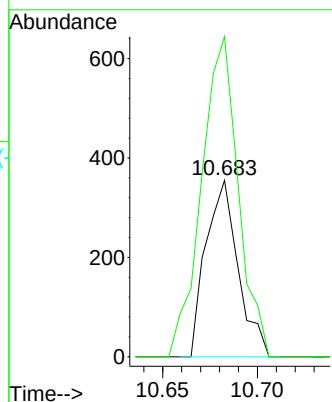
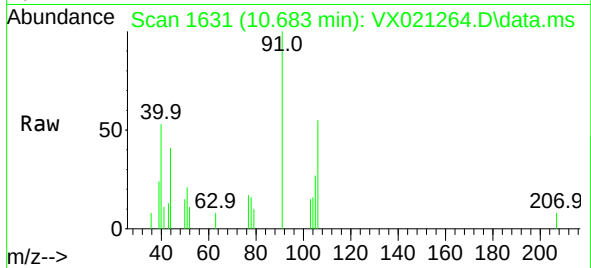




#69
o-Xylene
Concen: 0.29 ug/l
RT: 10.683 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

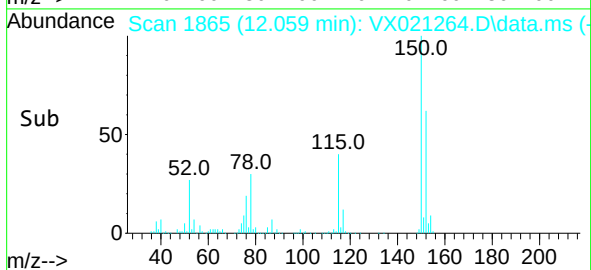
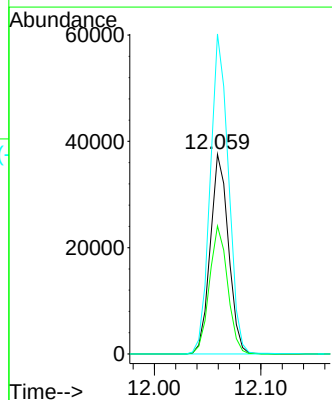
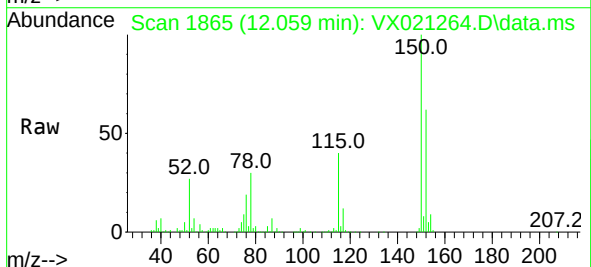
Instrument :
MSVOA_X
ClientSampleId :

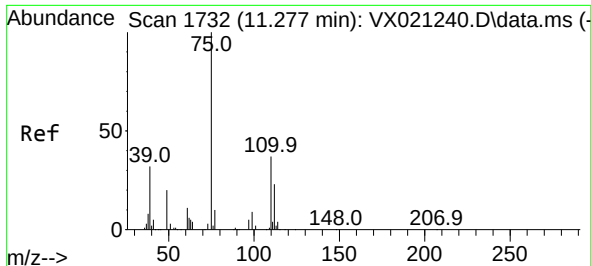
Tgt Ion:106 Resp: 419
Ion Ratio Lower Upper
106 100
91 207.4 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

Tgt Ion:152 Resp: 44552
Ion Ratio Lower Upper
152 100
115 64.0 41.1 123.3
150 161.1 0.0 349.0

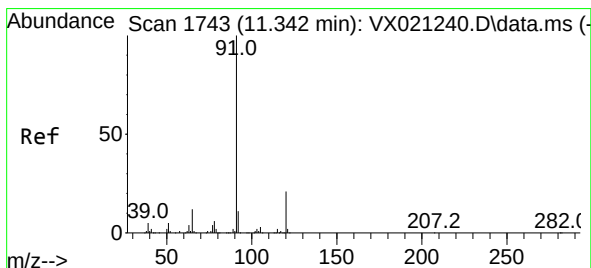
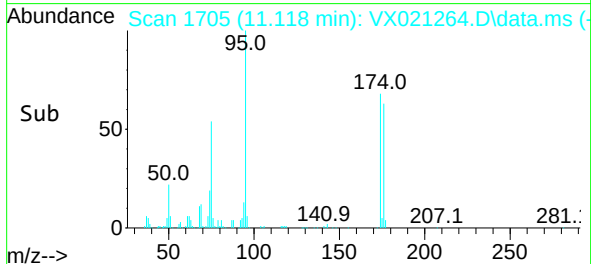
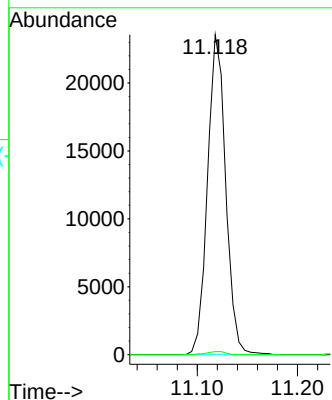
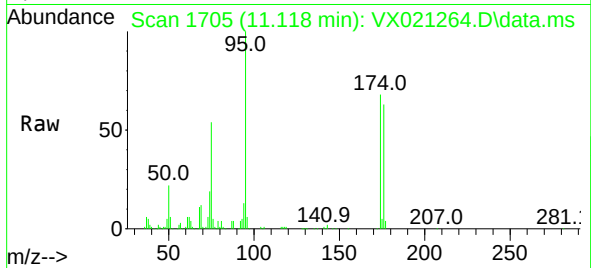




#76
1,2,3-Trichloropropane
Concen: 28.75 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

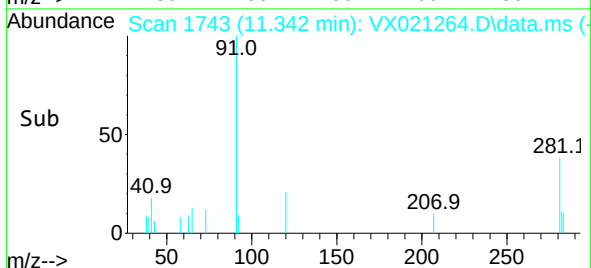
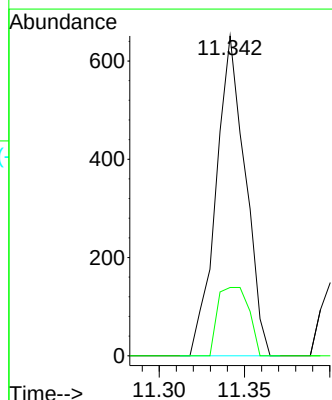
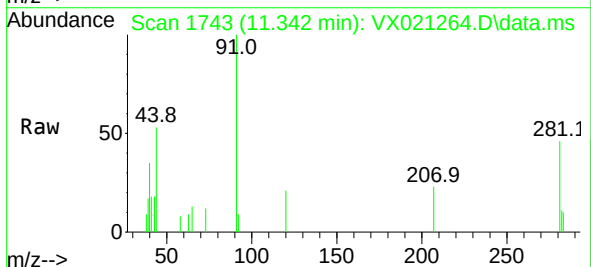
Instrument :
MSVOA_X
ClientSampled :

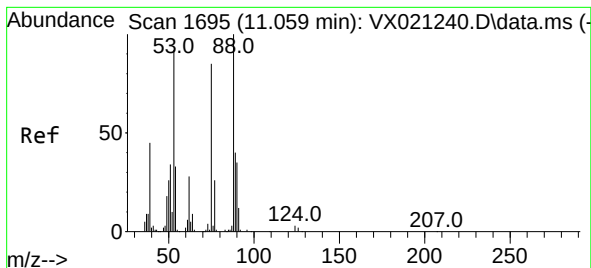
Tgt Ion: 75 Resp: 29717
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#78
n-propylbenzene
Concen: 0.20 ug/l
RT: 11.342 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

Tgt Ion: 91 Resp: 777
Ion Ratio Lower Upper
91 100
120 22.7 11.5 34.5

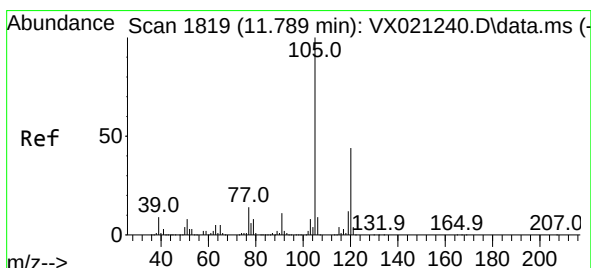
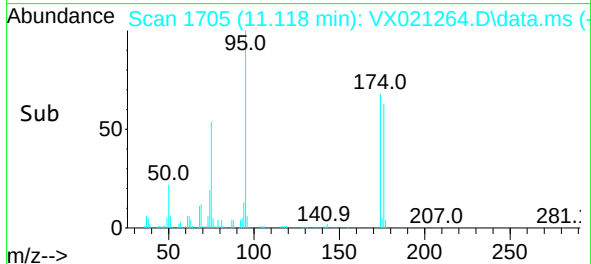
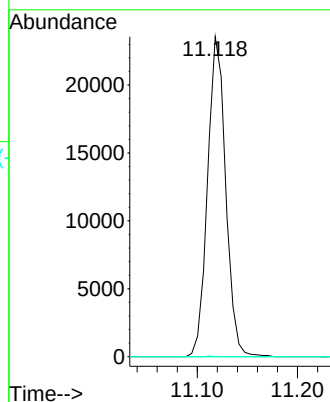
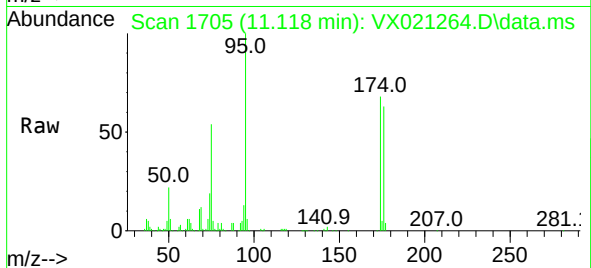




#81
trans-1,4-Dichloro-2-butene
Concen: 78.07 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

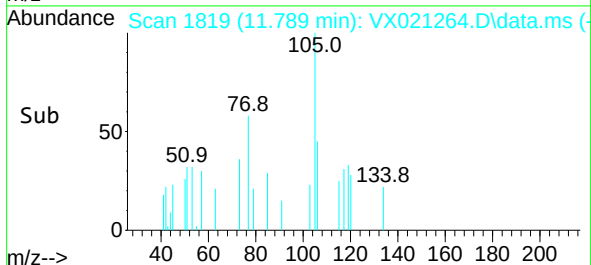
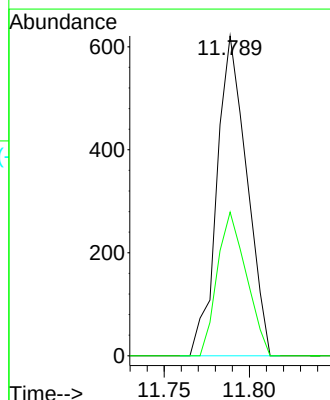
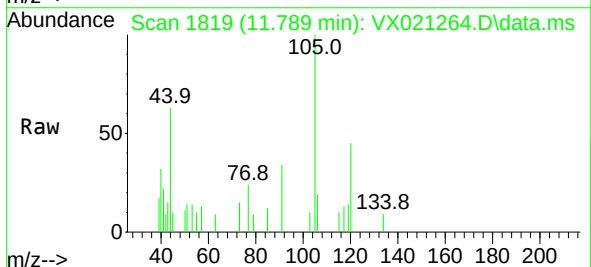
Instrument :
MSVOA_X
ClientSampleId :

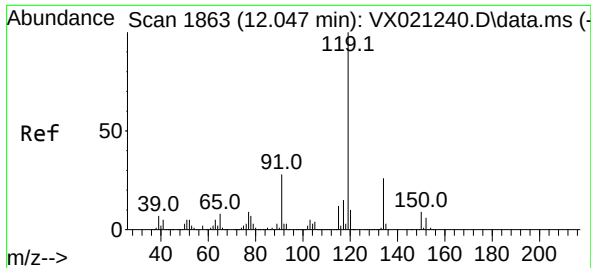
Tgt Ion: 75 Resp: 29717
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.27 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

Tgt Ion: 105 Resp: 756
Ion Ratio Lower Upper
105 100
120 43.7 22.4 67.3

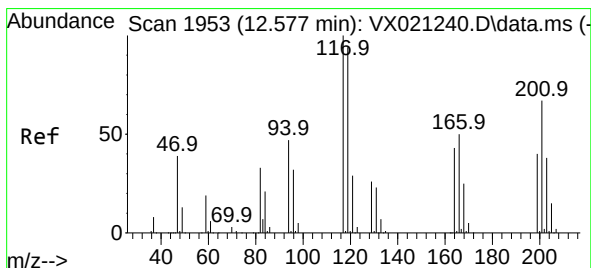
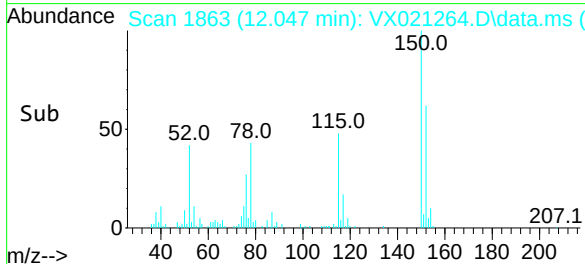
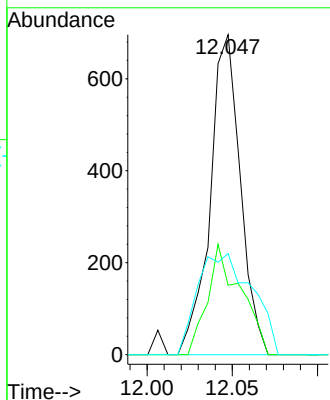
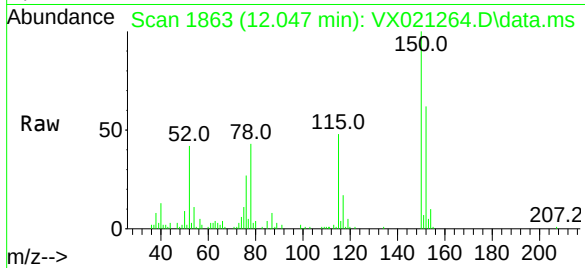




#86
p-Isopropyltoluene
Concen: 0.30 ug/l
RT: 12.047 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

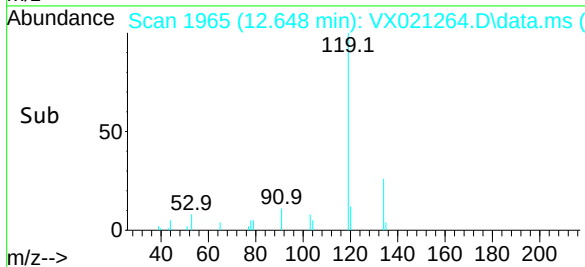
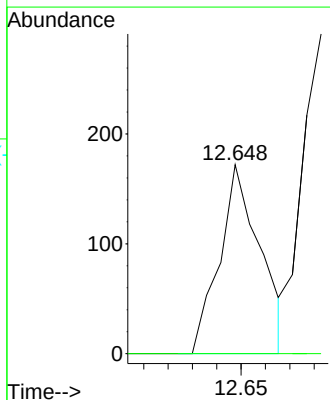
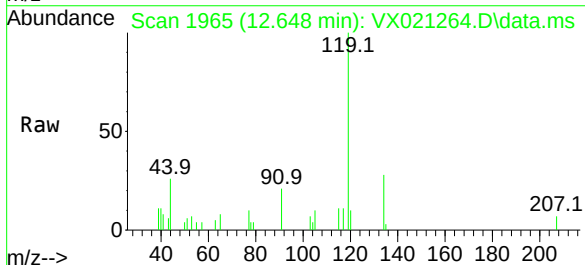
Instrument :
MSVOA_X
ClientSampleId :

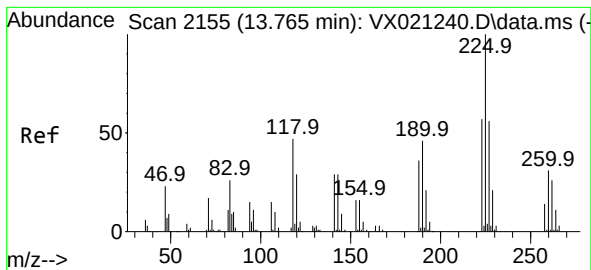
Tgt Ion:119 Resp: 861
Ion Ratio Lower Upper
119 100
134 37.5 12.9 38.7
91 56.8 11.7 35.0#



#90
Hexachloroethane
Concen: 0.46 ug/l
RT: 12.648 min Scan# 1965
Delta R.T. 0.071 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

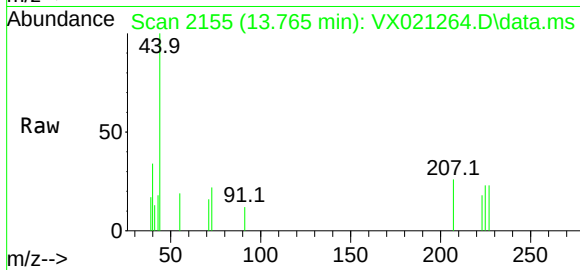
Tgt Ion:117 Resp: 200
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#94
Hexachlorobutadiene
Concen: 0.23 ug/l
RT: 13.765 min Scan# 2155
Delta R.T. 0.000 min
Lab File: VX021264.D
Acq: 17 Mar 2021 12:04

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:225 Resp: 87
Ion Ratio Lower Upper
225 100
223 57.5 31.1 93.2
227 106.9 31.6 95.0#

