

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028449.D
 Acq On : 30 Apr 2022 01:54
 Operator : JC/MD
 Sample : PB144452ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#04

Quant Time: Apr 30 09:22:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

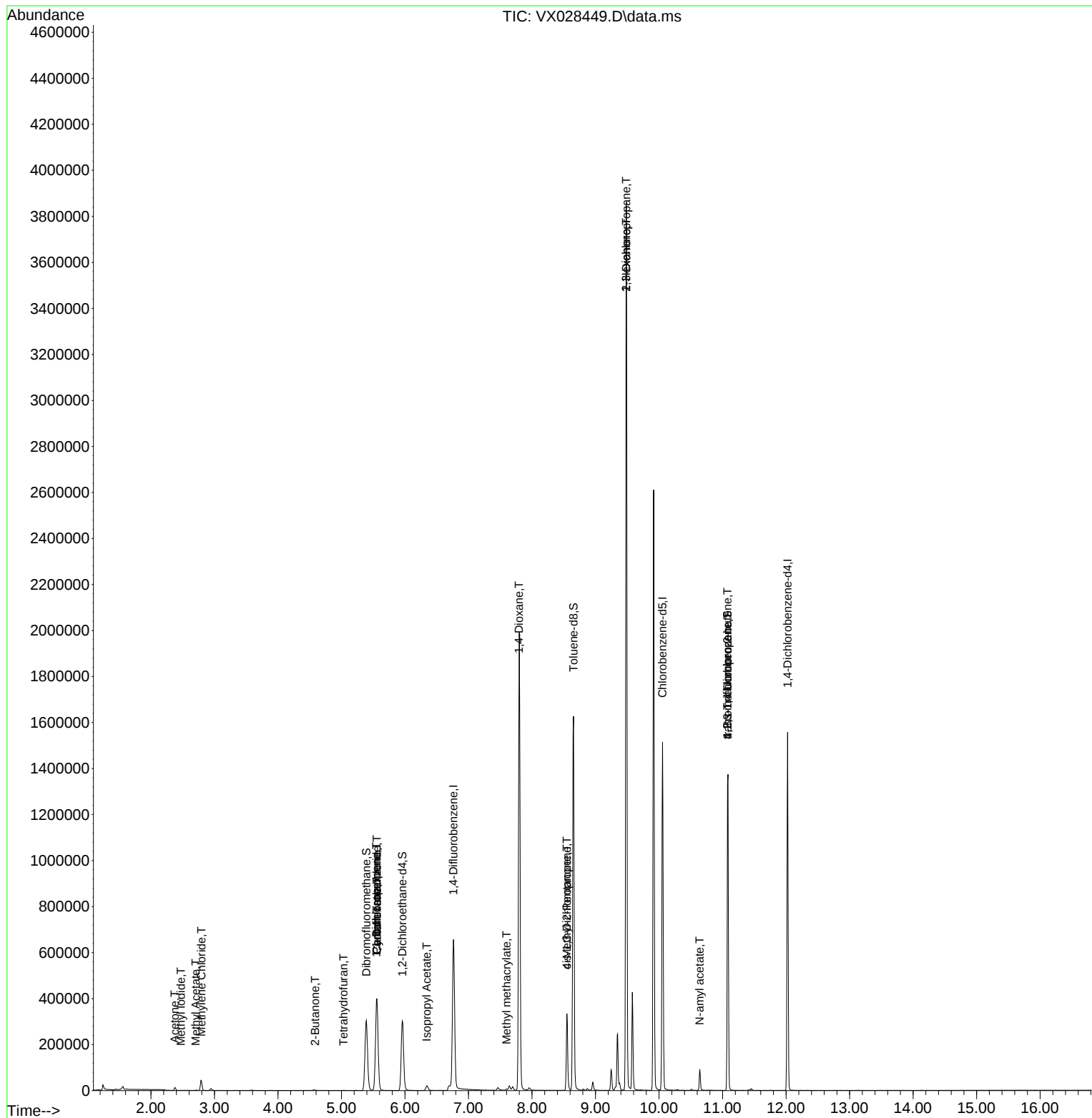
Internal Standards						
1) Pentafluorobenzene	5.556	168	387196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	682141	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	699588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	318996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	291048	57.649	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 115.300%			
35) Dibromofluoromethane	5.391	113	262642	54.902	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 109.800%			
50) Toluene-d8	8.653	98	992107	53.996	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.000%			
62) 4-Bromofluorobenzene	11.079	95	363652	51.763	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.520%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	379	Below Cal		96
5) Bromomethane	1.611	94	1074	Below Cal		90
6) Chloroethane	1.691	64	105	Below Cal #		50
10) Methyl Iodide	2.471	142	680	5.376 ug/l #		94
11) Tert butyl alcohol	2.940	59	4329	Below Cal #		72
16) Acetone	2.373	43	12939	7.034 ug/l		98
18) Methyl Acetate	2.703	43	1944	0.433 ug/l		98
20) Methylene Chloride	2.794	84	19984	5.335 ug/l		95
25) 2-Butanone	4.586	43	2685	0.898 ug/l #		82
29) Tetrahydrofuran	5.031	42	562	0.288 ug/l #		53
31) Cyclohexane	5.556	56	7822	1.272 ug/l #		6
36) 1,1-Dichloropropene	5.550	75	28818	4.618 ug/l #		49
38) Carbon Tetrachloride	5.556	117	38995	5.536 ug/l #		15
43) Isopropyl Acetate	6.342	43	27152	2.635 ug/l		98
48) Methyl methacrylate	7.598	41	8031	1.697 ug/l #		7
49) 1,4-Dioxane	7.793	88	276	2.181 ug/l #		1
51) 4-Methyl-2-Pentanone	8.549	43	106663	16.130 ug/l #		45
54) cis-1,3-Dichloropropene	8.549	75	57581	7.485 ug/l #		68
57) 1,3-Dichloropropane	9.482	76	37728	4.534 ug/l #		43
59) 2-Hexanone	9.482	43	421503	82.287 ug/l #		45
74) N-amyl acetate	10.640	43	20006	2.640 ug/l #		46
76) 1,2,3-Trichloropropane	11.079	75	179419	28.579 ug/l #		38
81) trans-1,4-Dichloro-2-b...	11.079	75	179419	84.929 ug/l #		15

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

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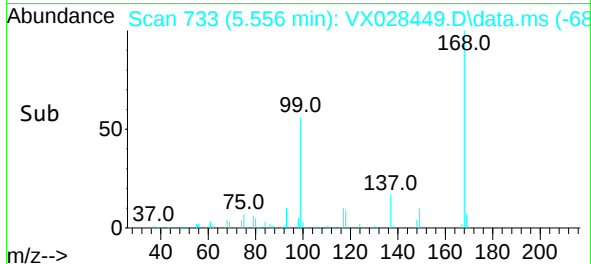
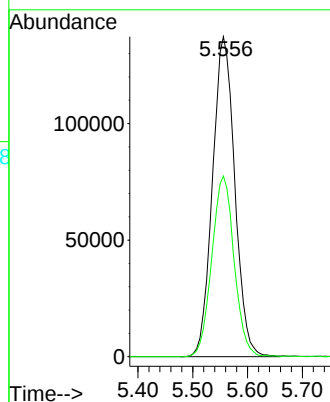
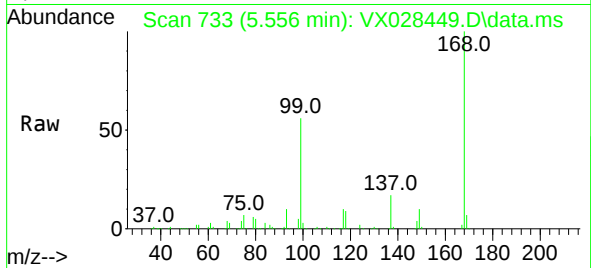




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

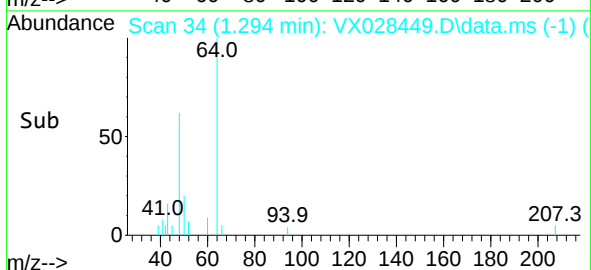
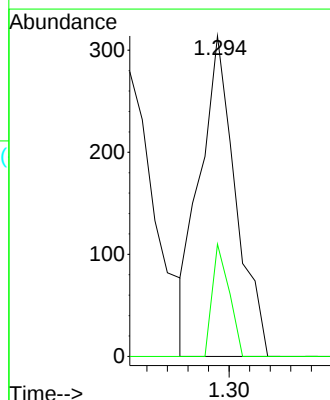
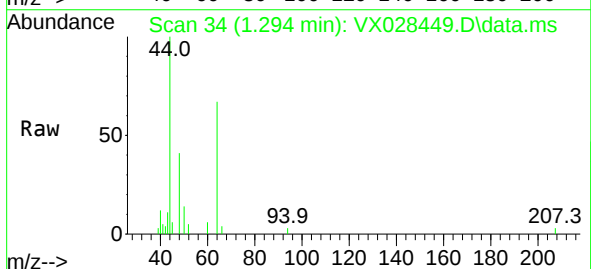
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#04

Tgt Ion:168 Resp: 387196
Ion Ratio Lower Upper
168 100
99 56.4 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

Tgt Ion: 50 Resp: 379
Ion Ratio Lower Upper
50 100
52 35.0 26.4 39.6

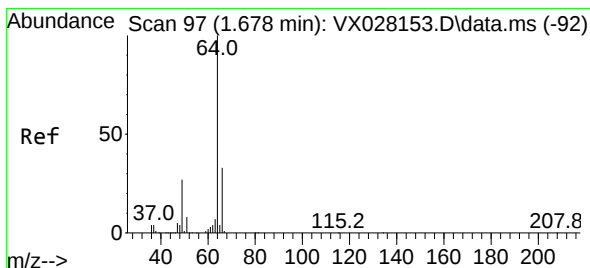
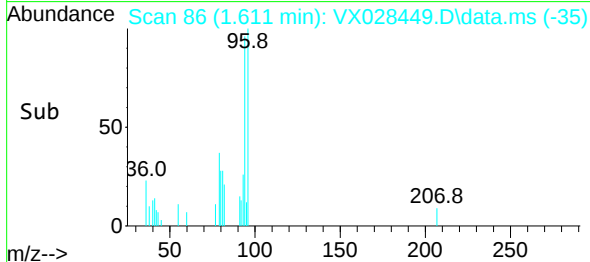
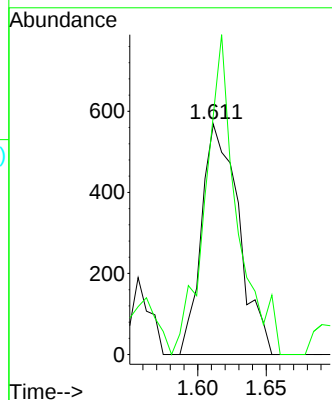
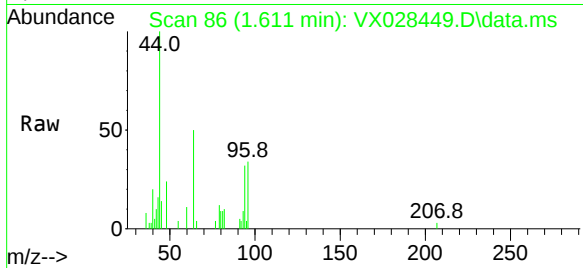




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

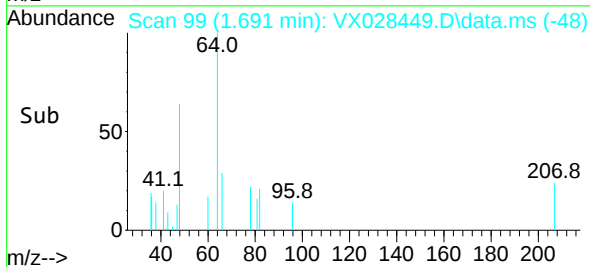
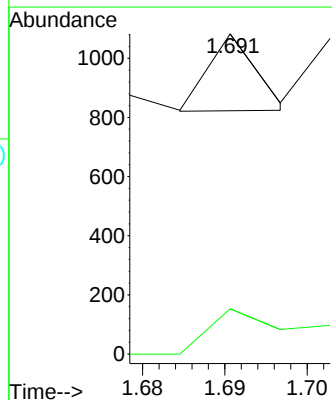
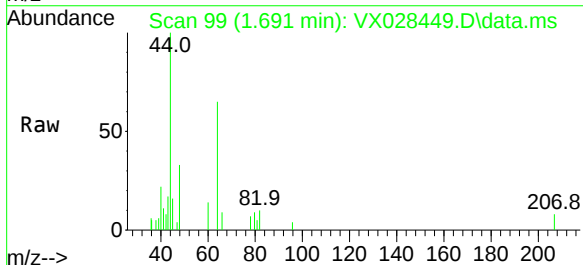
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#04

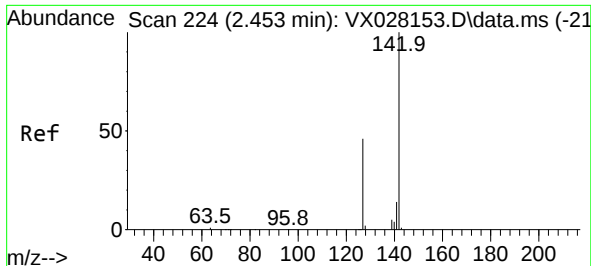
Tgt Ion: 94 Resp: 1074
Ion Ratio Lower Upper
94 100
96 103.9 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

Tgt Ion: 64 Resp: 105
Ion Ratio Lower Upper
64 100
66 59.3 25.3 37.9#

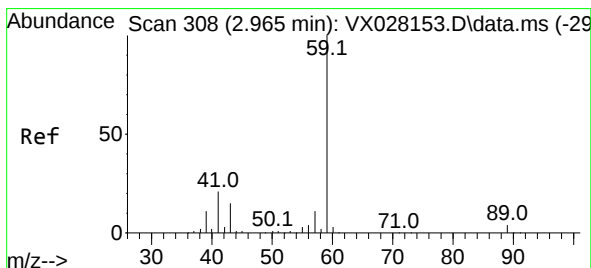
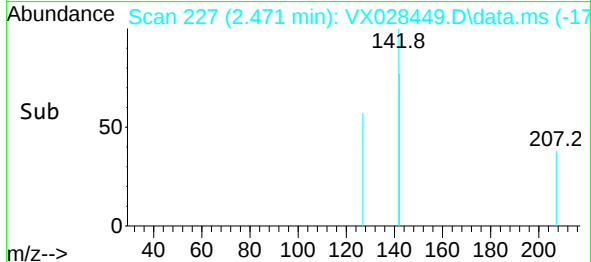
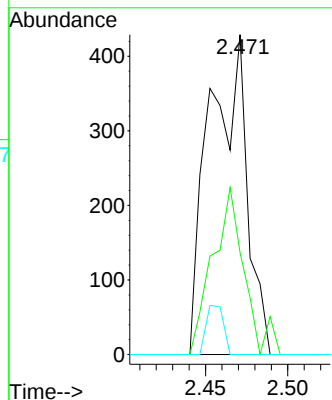
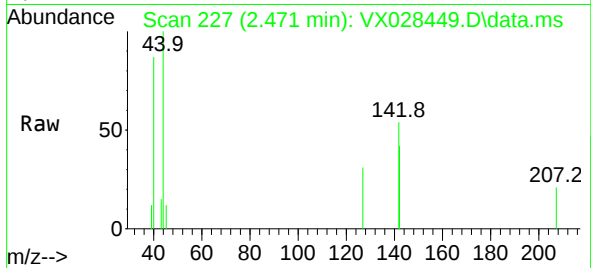




#10
Methyl Iodide
Concen: 5.376 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

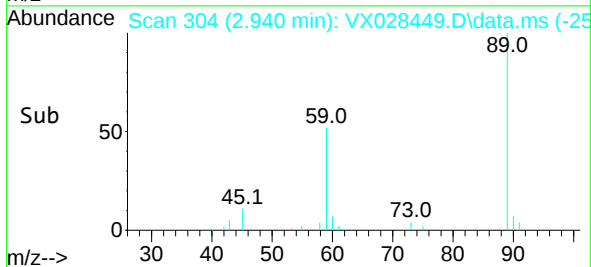
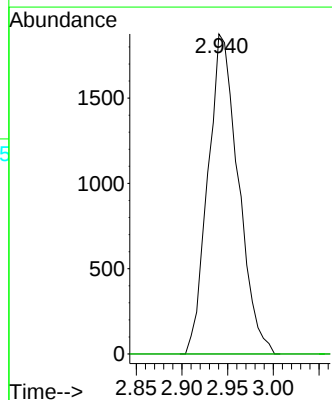
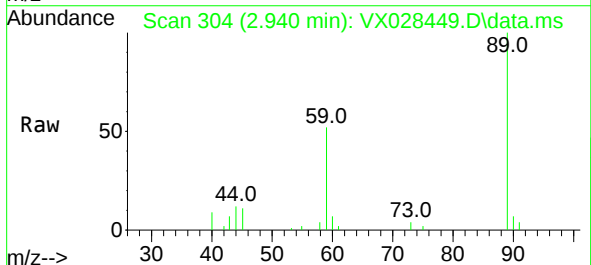
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#04

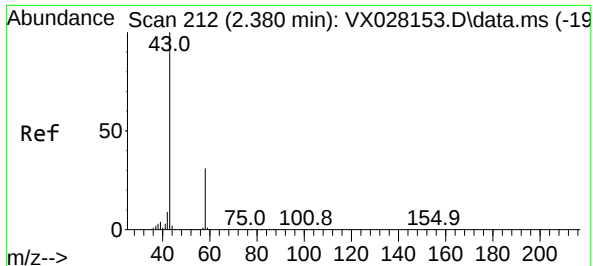
Tgt Ion:142 Resp: 680
Ion Ratio Lower Upper
142 100
127 44.0 33.9 50.9
141 7.1 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.025 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

Tgt Ion: 59 Resp: 4329
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

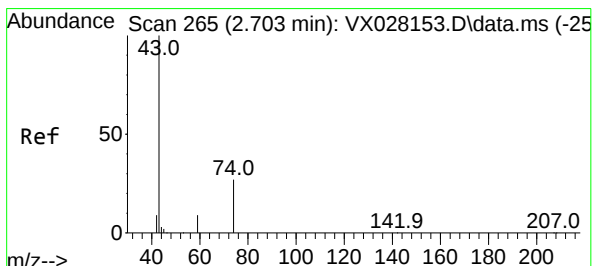
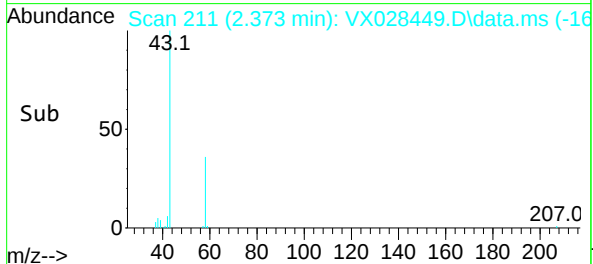
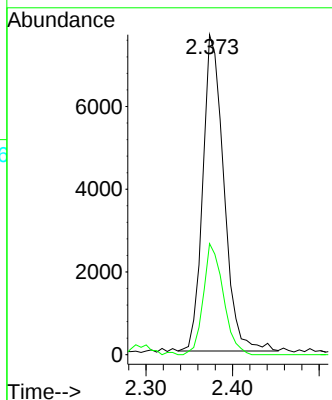
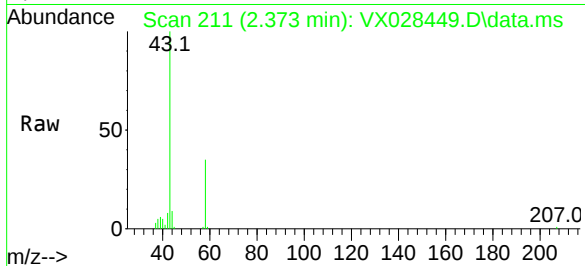




#16
Acetone
Concen: 7.034 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

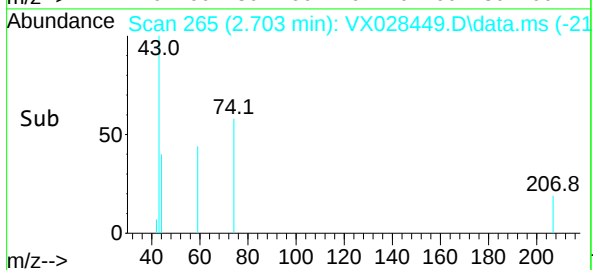
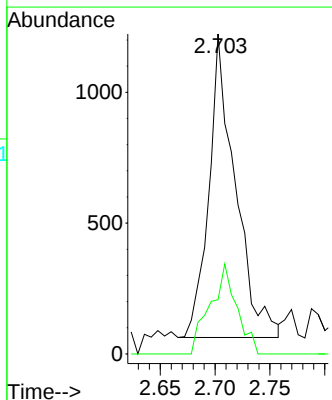
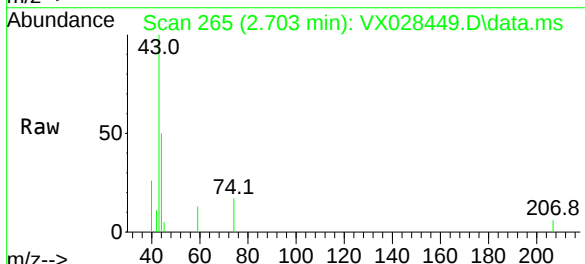
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#04

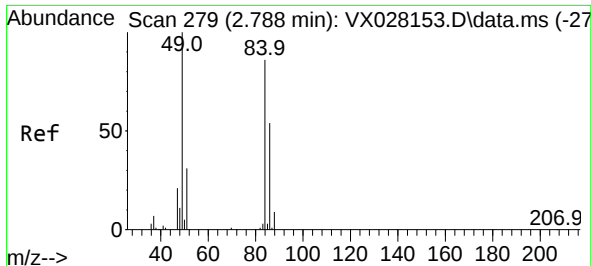
Tgt Ion: 43 Resp: 12939
Ion Ratio Lower Upper
43 100
58 35.1 28.8 43.2



#18
Methyl Acetate
Concen: 0.433 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

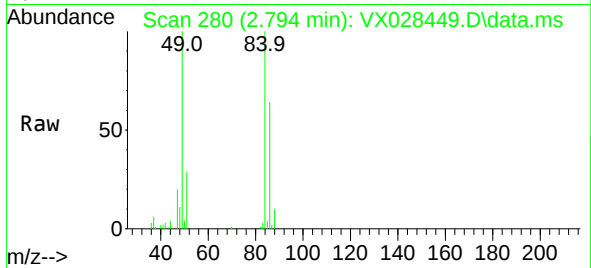
Tgt Ion: 43 Resp: 1944
Ion Ratio Lower Upper
43 100
74 29.7 22.8 34.2



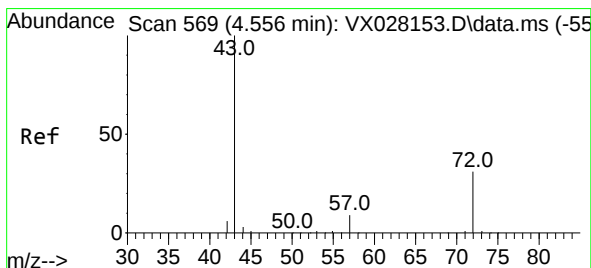
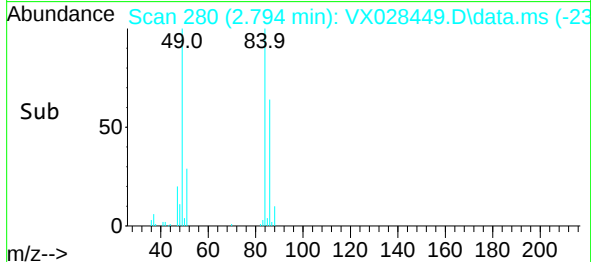
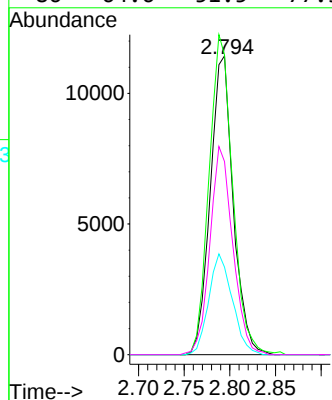


#20
Methylene Chloride
Concen: 5.335 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#04

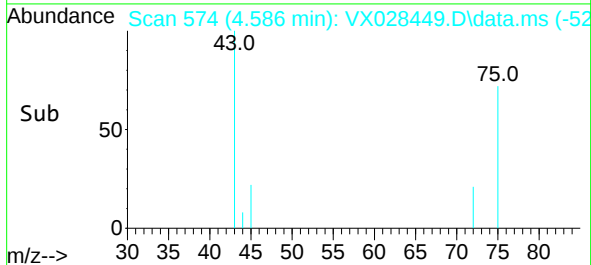
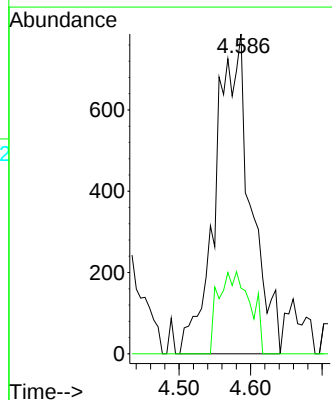
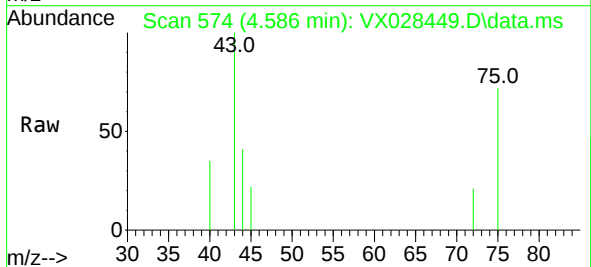


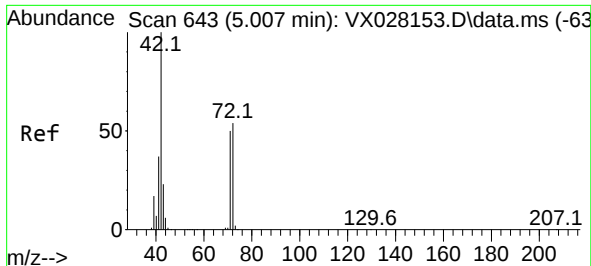
Tgt Ion: 84 Resp: 19984
Ion Ratio Lower Upper
84 100
49 100.2 85.5 128.3
51 29.3 26.6 39.8
86 64.6 51.5 77.3



#25
2-Butanone
Concen: 0.898 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

Tgt Ion: 43 Resp: 2685
Ion Ratio Lower Upper
43 100
72 20.6 24.4 36.6#





#29

Tetrahydrofuran

Concen: 0.288 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX028449.D

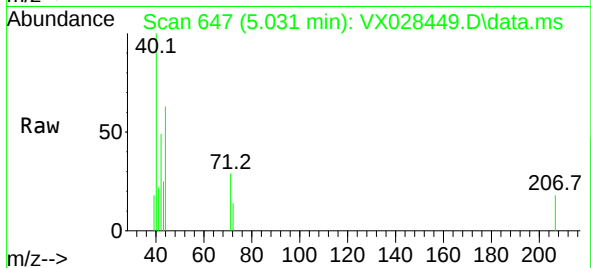
Acq: 30 Apr 2022 01:54

Instrument :

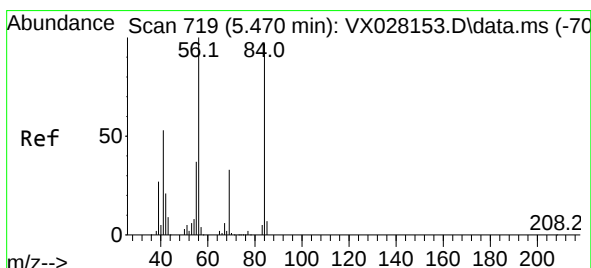
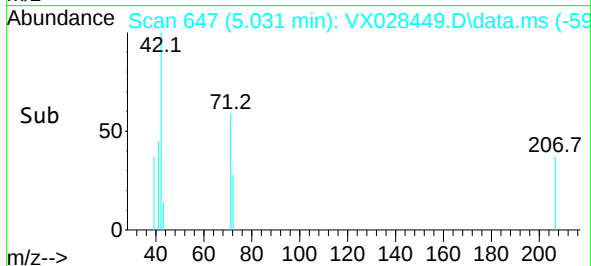
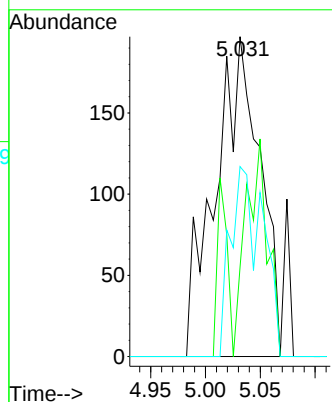
MSVOA_X

ClientSampleId :

PB144452ZHE#04



Tgt Ion: 42	Resp: 562
Ion Ratio	Lower Upper
42	100
72	12.1 44.1 66.1#
71	27.8 40.5 60.7#



#31

Cyclohexane

Concen: 1.272 ug/l

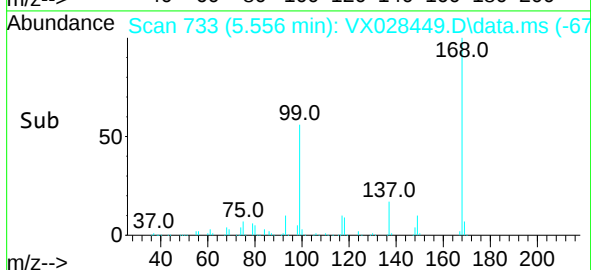
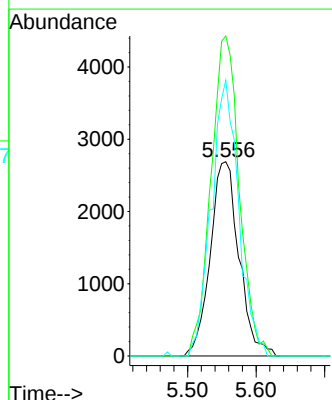
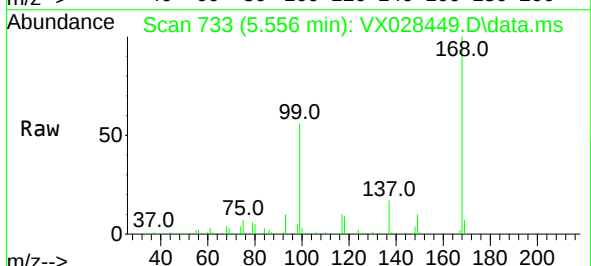
RT: 5.556 min Scan# 733

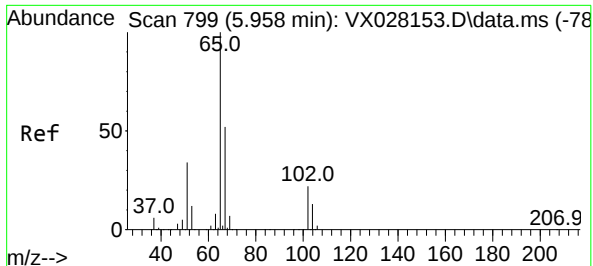
Delta R.T. 0.086 min

Lab File: VX028449.D

Acq: 30 Apr 2022 01:54

Tgt Ion: 56	Resp: 7822
Ion Ratio	Lower Upper
56	100
69	164.8 26.7 40.1#
84	142.0 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 57.649 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028449.D

Acq: 30 Apr 2022 01:54

Instrument :

MSVOA_X

ClientSampleId :

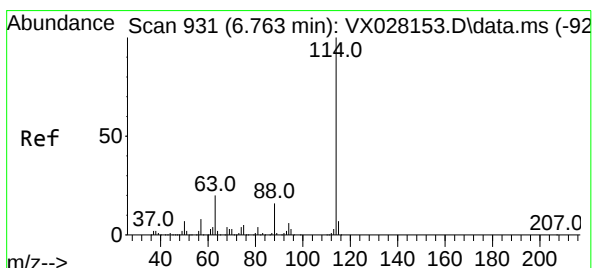
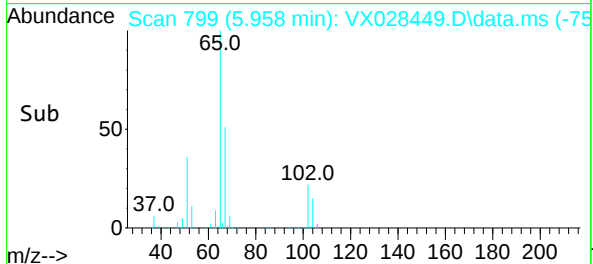
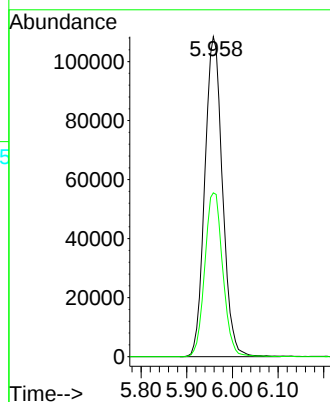
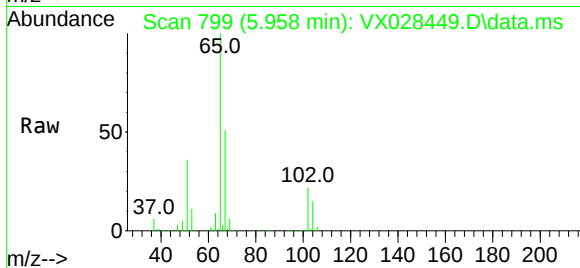
PB144452ZHE#04

Tgt Ion: 65 Resp: 291048

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028449.D

Acq: 30 Apr 2022 01:54

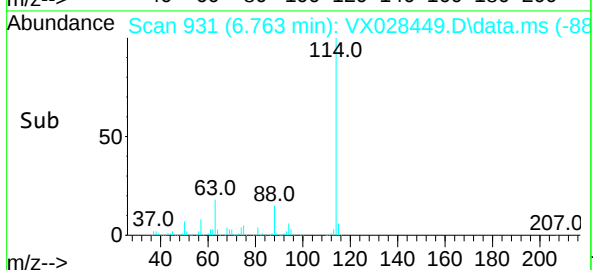
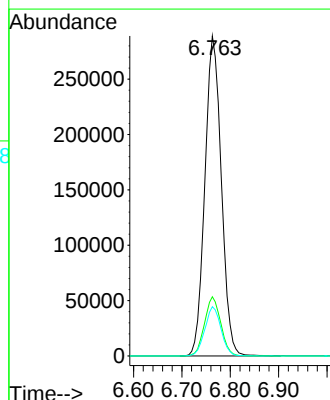
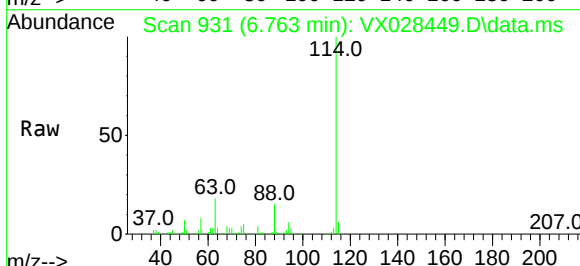
Tgt Ion: 114 Resp: 682141

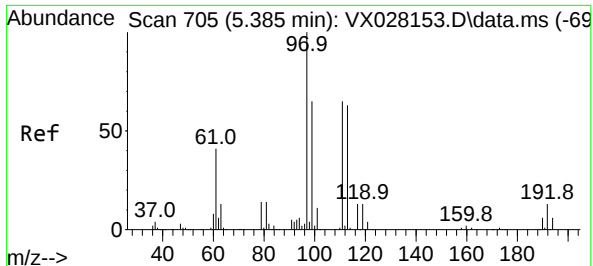
Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.8

88 15.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 54.902 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028449.D

Acq: 30 Apr 2022 01:54

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#04

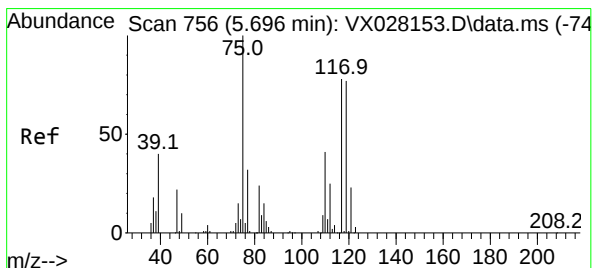
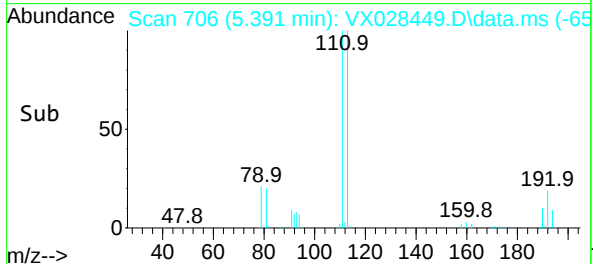
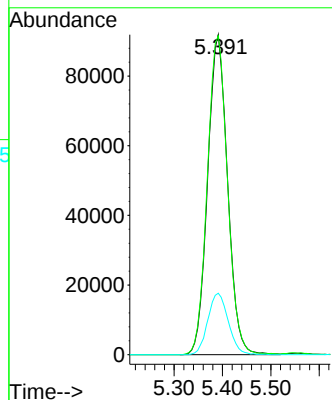
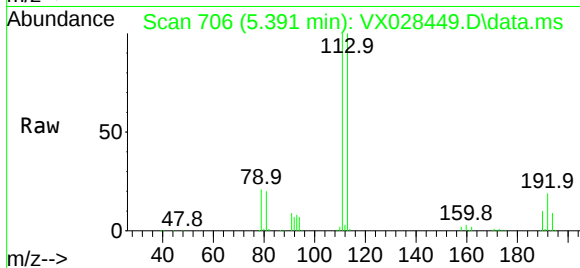
Tgt Ion:113 Resp: 262642

Ion Ratio Lower Upper

113 100

111 101.2 82.8 124.2

192 19.7 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.618 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX028449.D

Acq: 30 Apr 2022 01:54

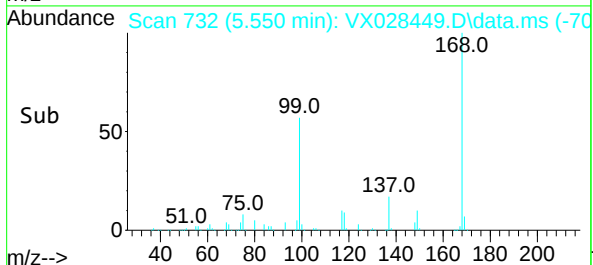
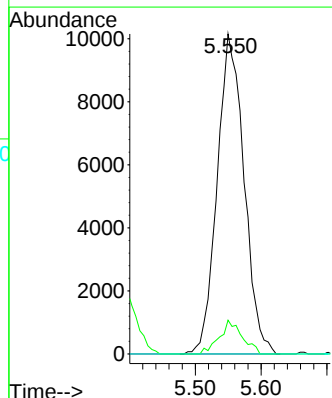
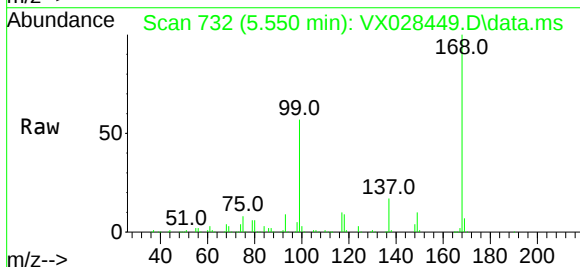
Tgt Ion: 75 Resp: 28818

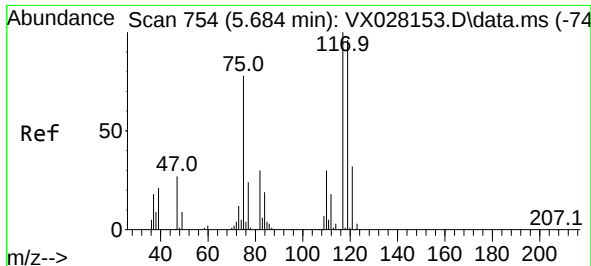
Ion Ratio Lower Upper

75 100

110 8.9 18.3 54.8#

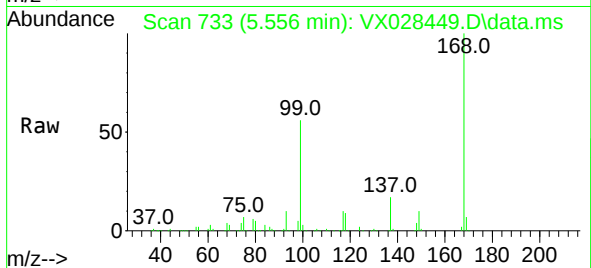
77 0.0 24.8 37.2#



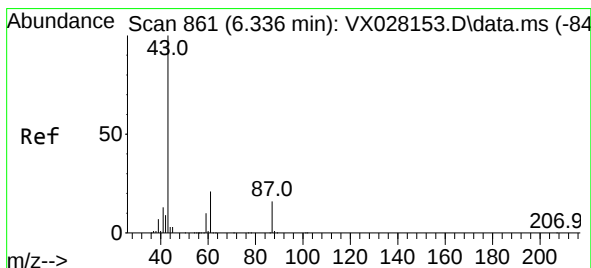
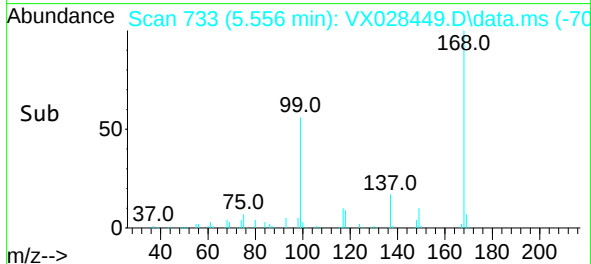
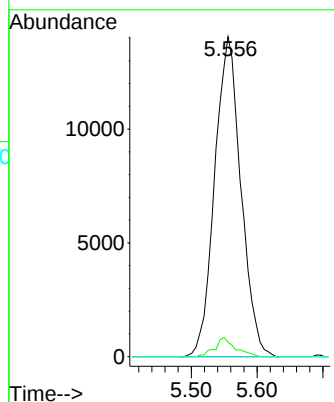


#38
Carbon Tetrachloride
Concen: 5.536 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#04

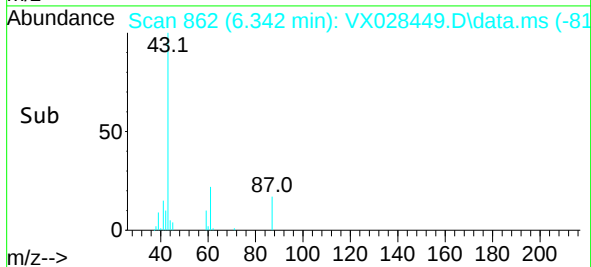
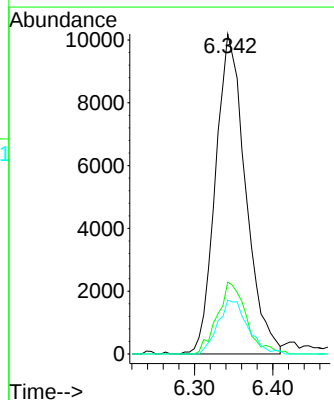
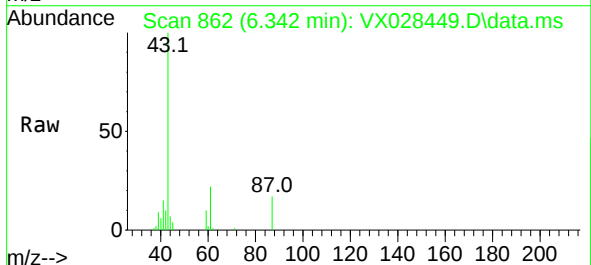


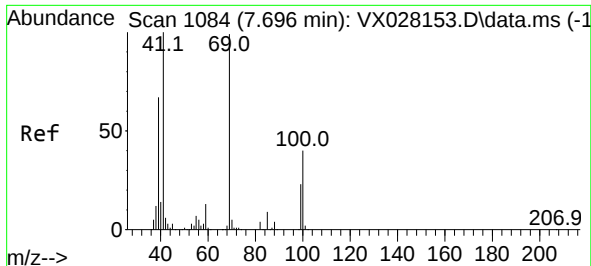
Tgt Ion:117 Resp: 38995
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.635 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

Tgt Ion: 43 Resp: 27152
Ion Ratio Lower Upper
43 100
61 21.6 18.5 27.7
87 16.7 13.0 19.6

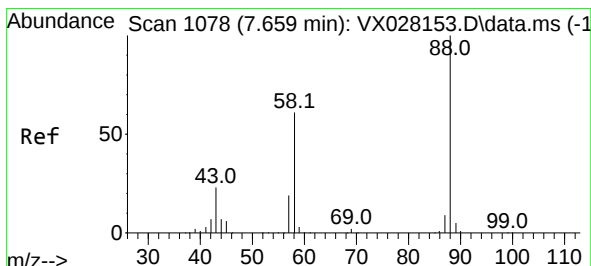
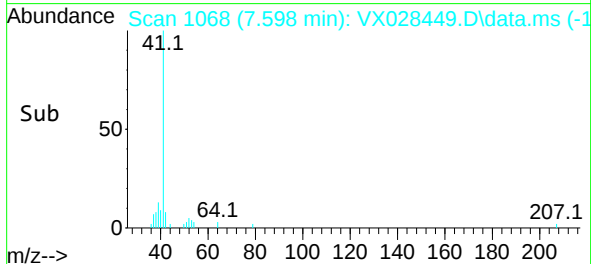
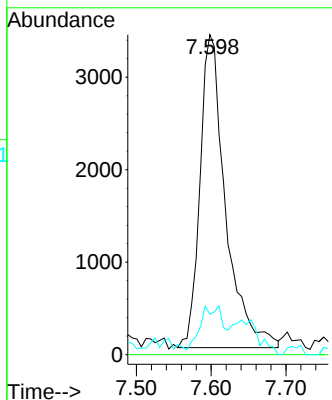
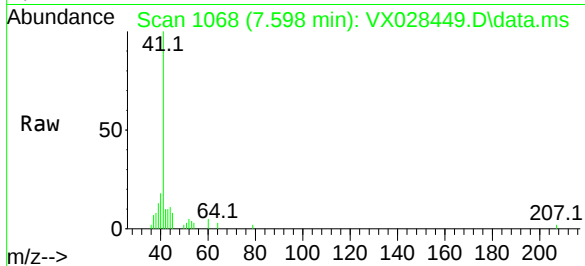




#48
Methyl methacrylate
Concen: 1.697 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.098 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

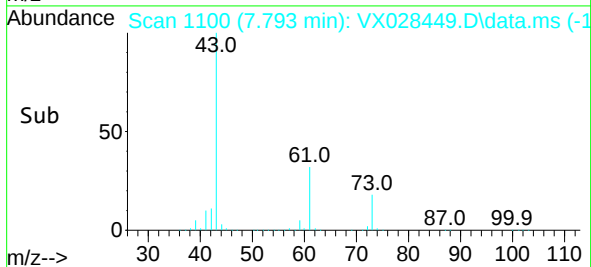
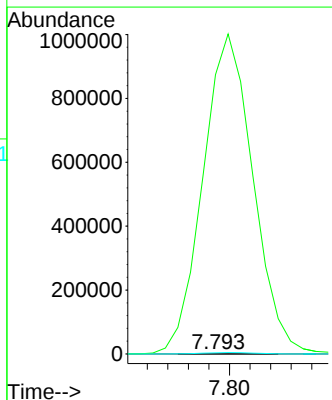
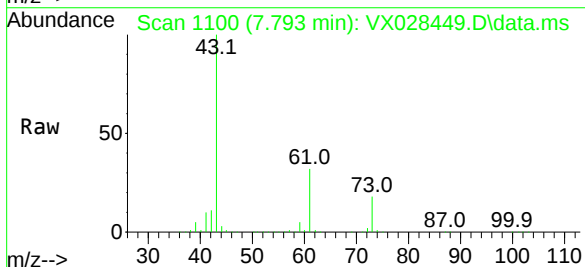
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#04

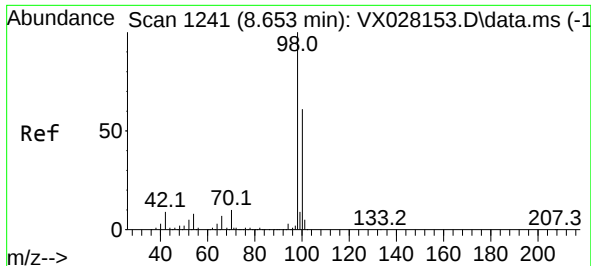
Tgt Ion: 41 Resp: 8031
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.181 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

Tgt Ion: 88 Resp: 276
Ion Ratio Lower Upper
88 100
43 619343.8 21.9 32.9#
58 2847.5 53.7 80.5#

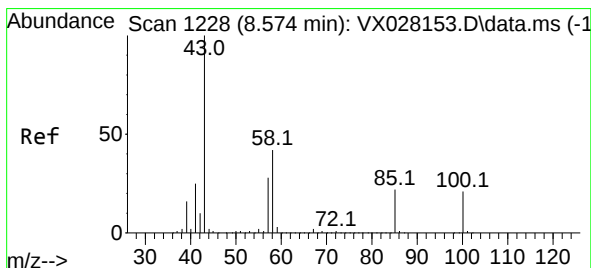
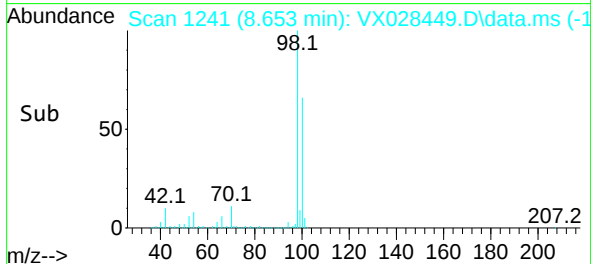
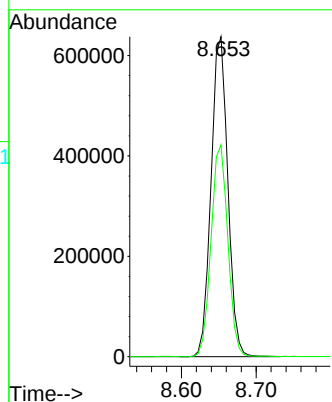
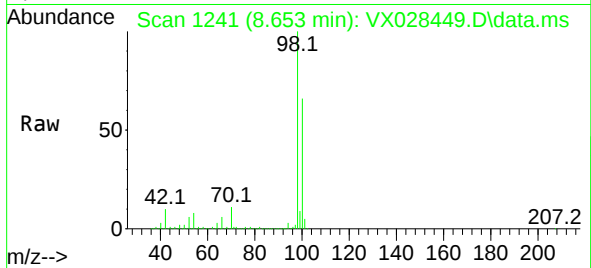




#50
Toluene-d8
Concen: 53.996 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

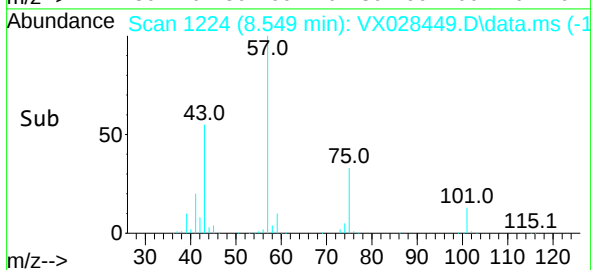
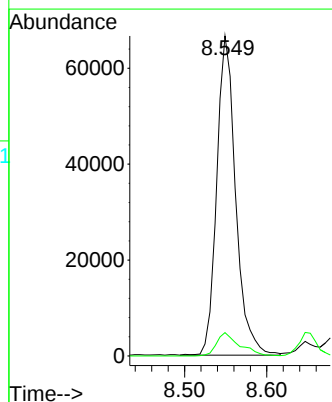
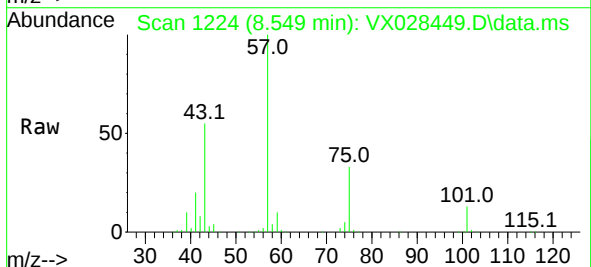
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#04

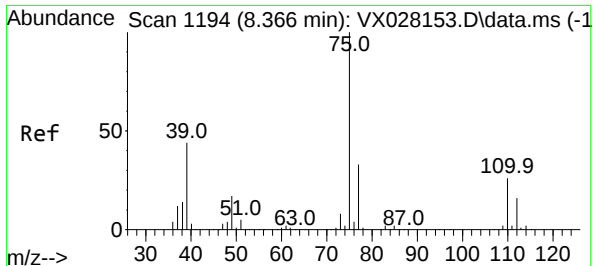
Tgt Ion: 98 Resp: 992107
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.130 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

Tgt Ion: 43 Resp: 106663
Ion Ratio Lower Upper
43 100
58 8.9 36.1 54.1#

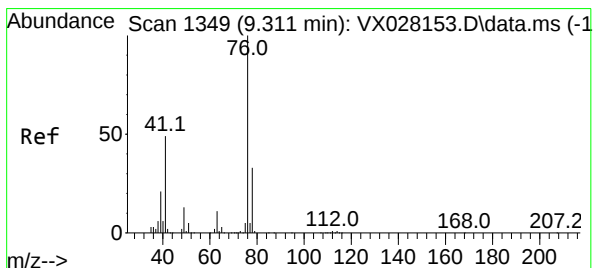
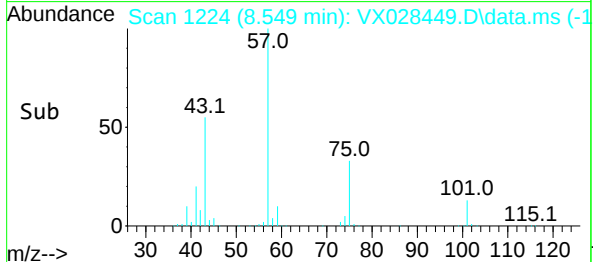
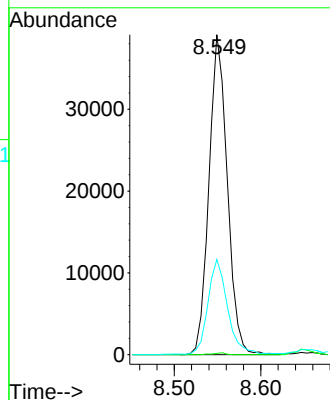
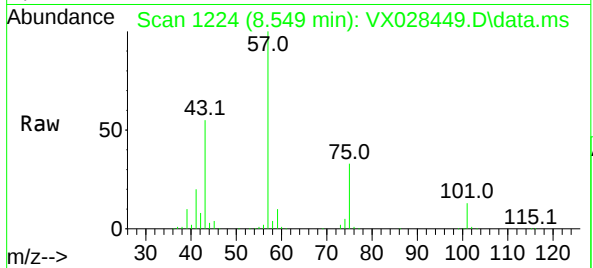




#54
 cis-1,3-Dichloropropene
 Concen: 7.485 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028449.D
 Acq: 30 Apr 2022 01:54

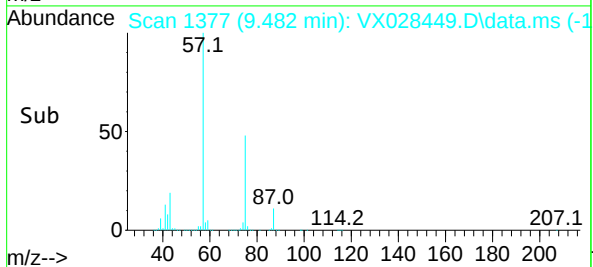
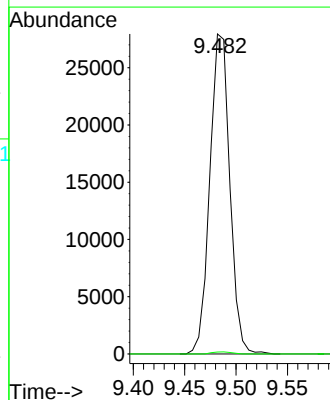
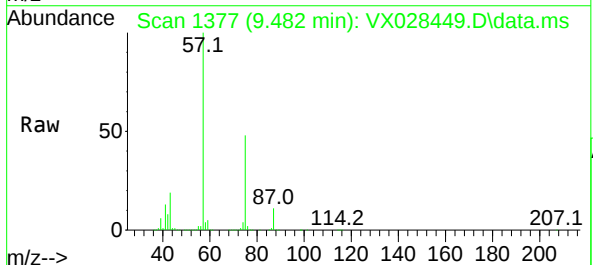
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#04

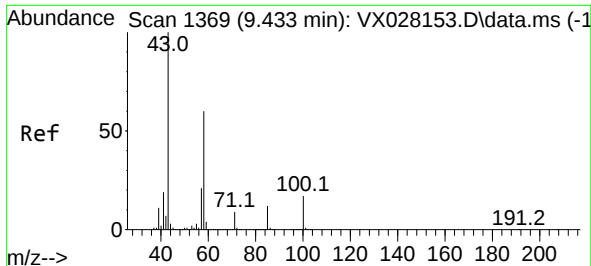
Tgt Ion: 75 Resp: 57581
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.8 37.2#
 39 29.6 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 4.534 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028449.D
 Acq: 30 Apr 2022 01:54

Tgt Ion: 76 Resp: 37728
 Ion Ratio Lower Upper
 76 100
 78 0.6 25.8 38.8#

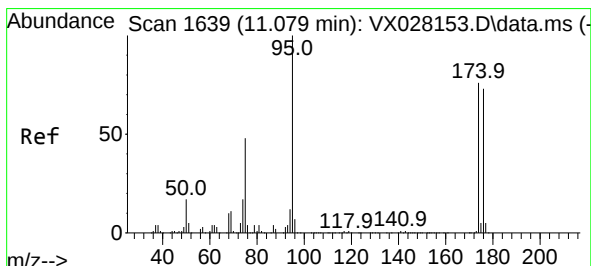
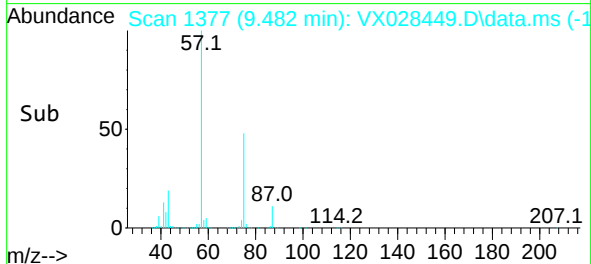
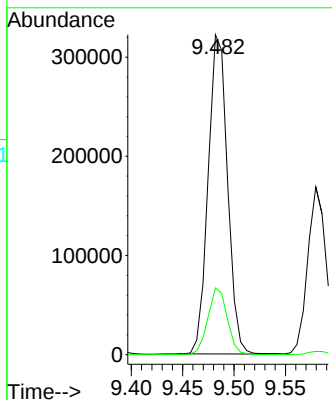
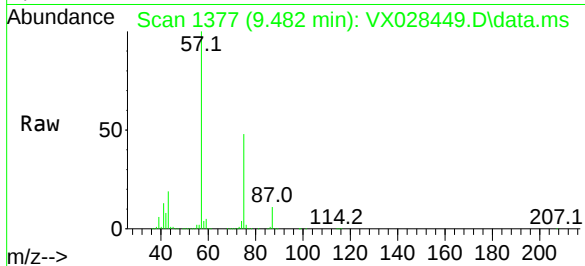




#59
2-Hexanone
Concen: 82.287 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

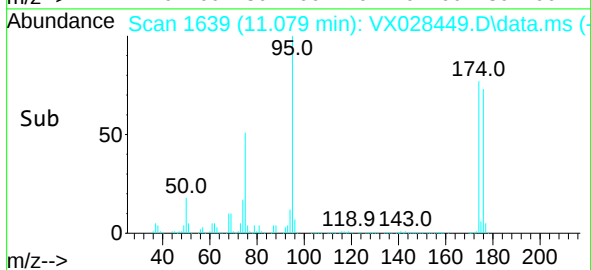
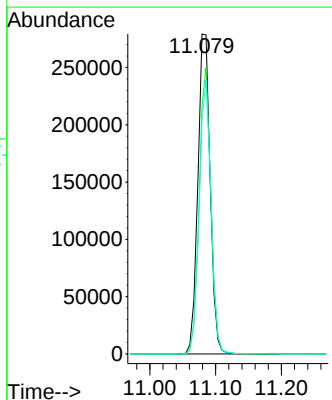
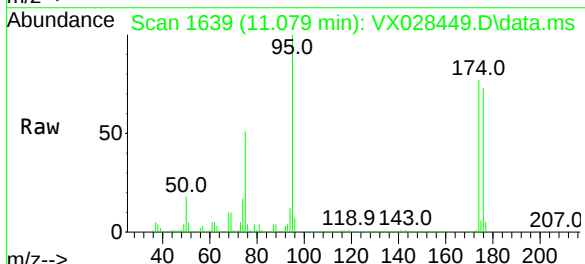
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#04

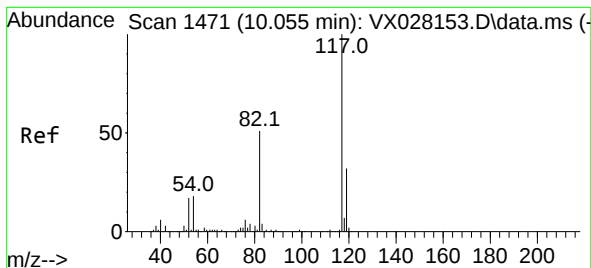
Tgt Ion: 43 Resp: 421503
Ion Ratio Lower Upper
43 100
58 21.1 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 51.763 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

Tgt Ion: 95 Resp: 363652
Ion Ratio Lower Upper
95 100
174 85.0 0.0 163.0
176 82.0 0.0 155.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX028449.D

Acq: 30 Apr 2022 01:54

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#04

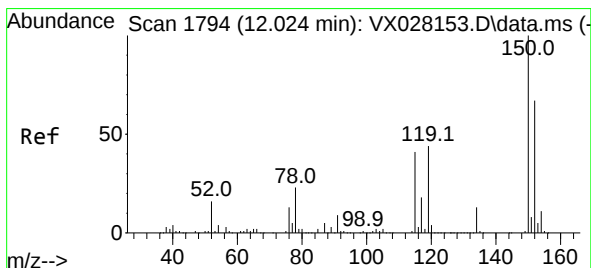
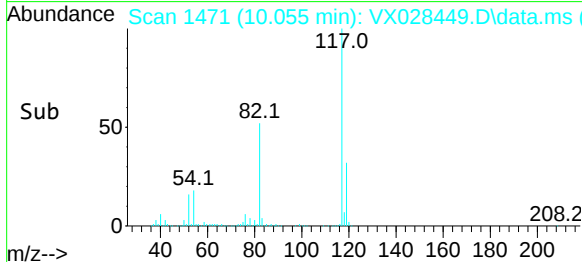
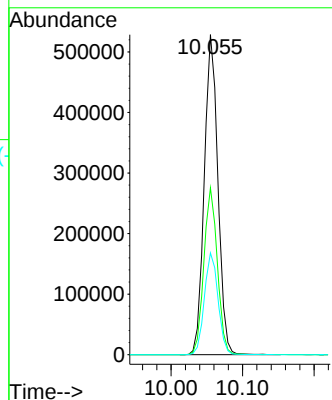
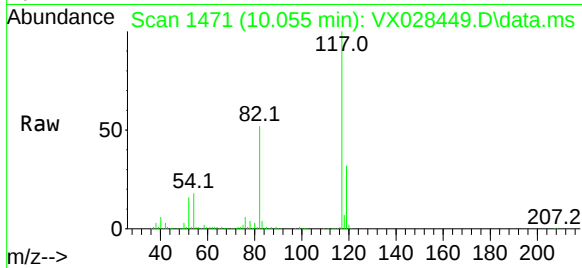
Tgt Ion:117 Resp: 699588

Ion Ratio Lower Upper

117 100

82 52.1 41.8 62.8

119 31.8 24.8 37.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX028449.D

Acq: 30 Apr 2022 01:54

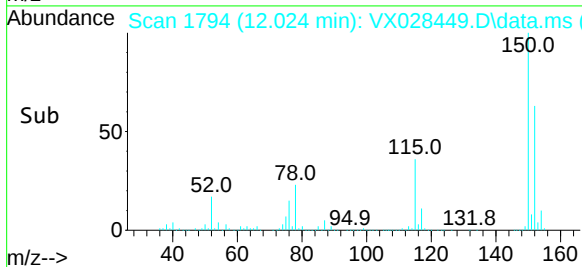
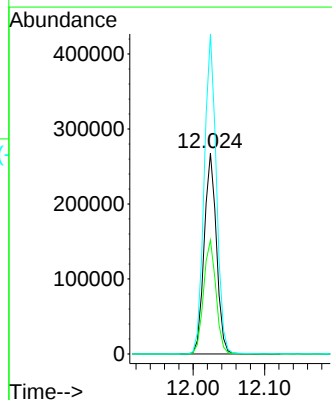
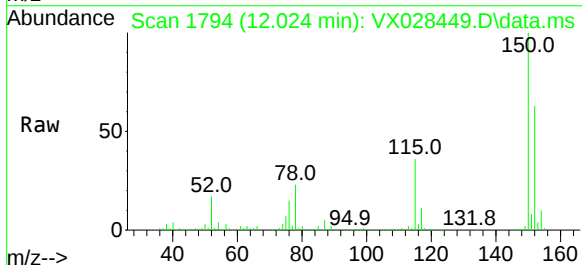
Tgt Ion:152 Resp: 318996

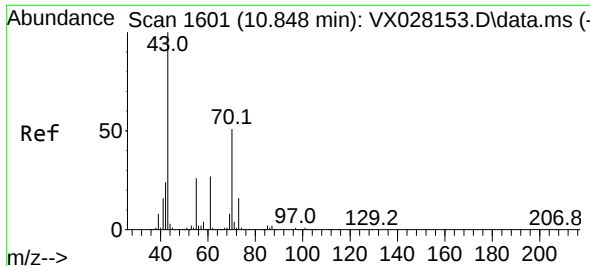
Ion Ratio Lower Upper

152 100

115 57.2 37.5 112.7

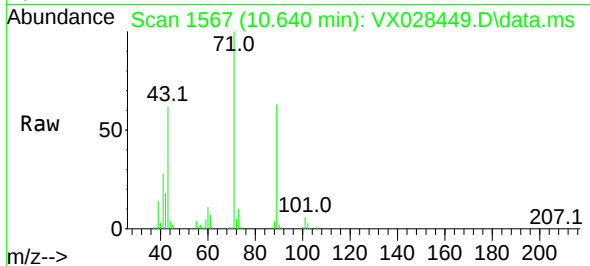
150 158.1 0.0 338.2



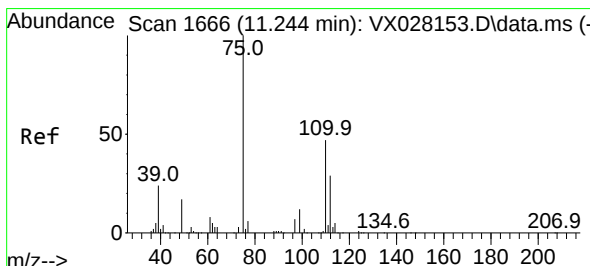
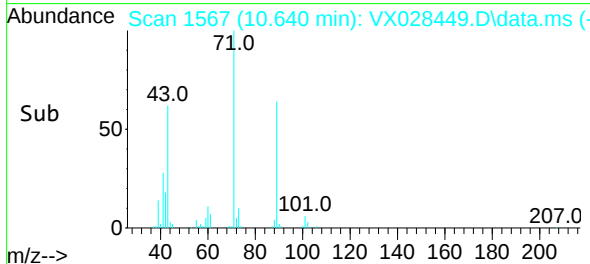
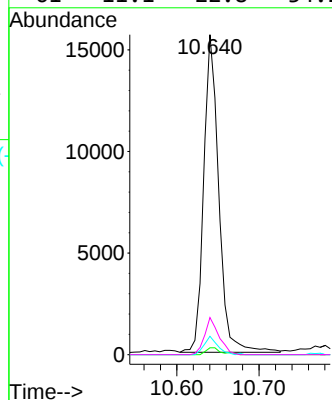


#74
N-amy1 acetate
Concen: 2.640 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.208 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#04

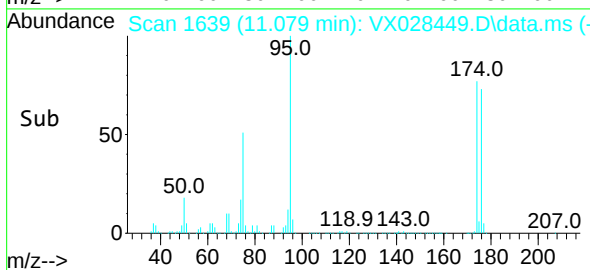
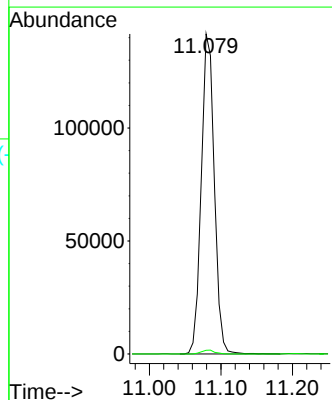
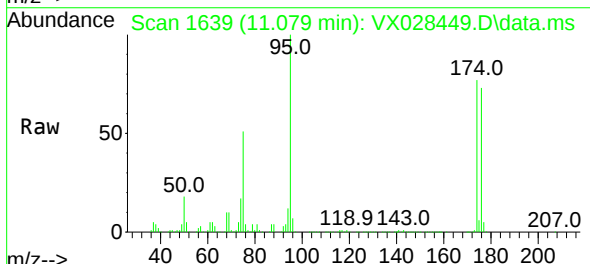


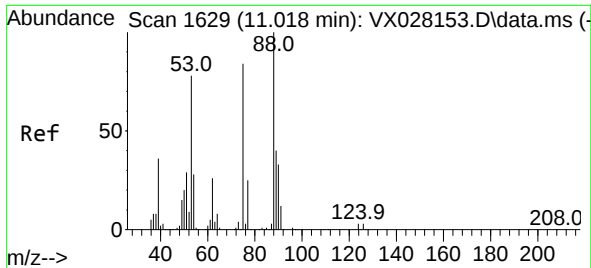
Tgt Ion: 43	Resp: 20006
Ion Ratio	Lower Upper
43 100	
70 2.2	42.5 63.7#
55 5.2	23.1 34.7#
61 11.1	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 28.579 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028449.D
Acq: 30 Apr 2022 01:54

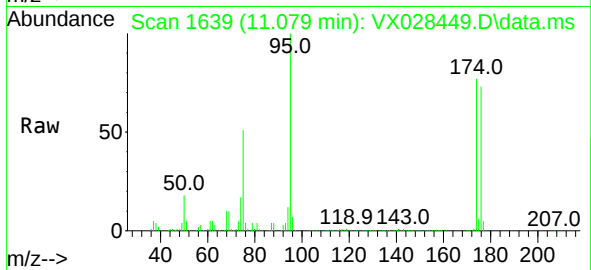
Tgt Ion: 75	Resp: 179419
Ion Ratio	Lower Upper
75 100	
77 1.2	19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.929 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028449.D
 Acq: 30 Apr 2022 01:54

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#04



Tgt Ion: 75 Resp: 179419
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

