

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050622\
 Data File : VX028544.D
 Acq On : 06 May 2022 13:02
 Operator : JC/MD
 Sample : PB144610ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144610ZHE#01

Quant Time: May 07 06:00:46 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)

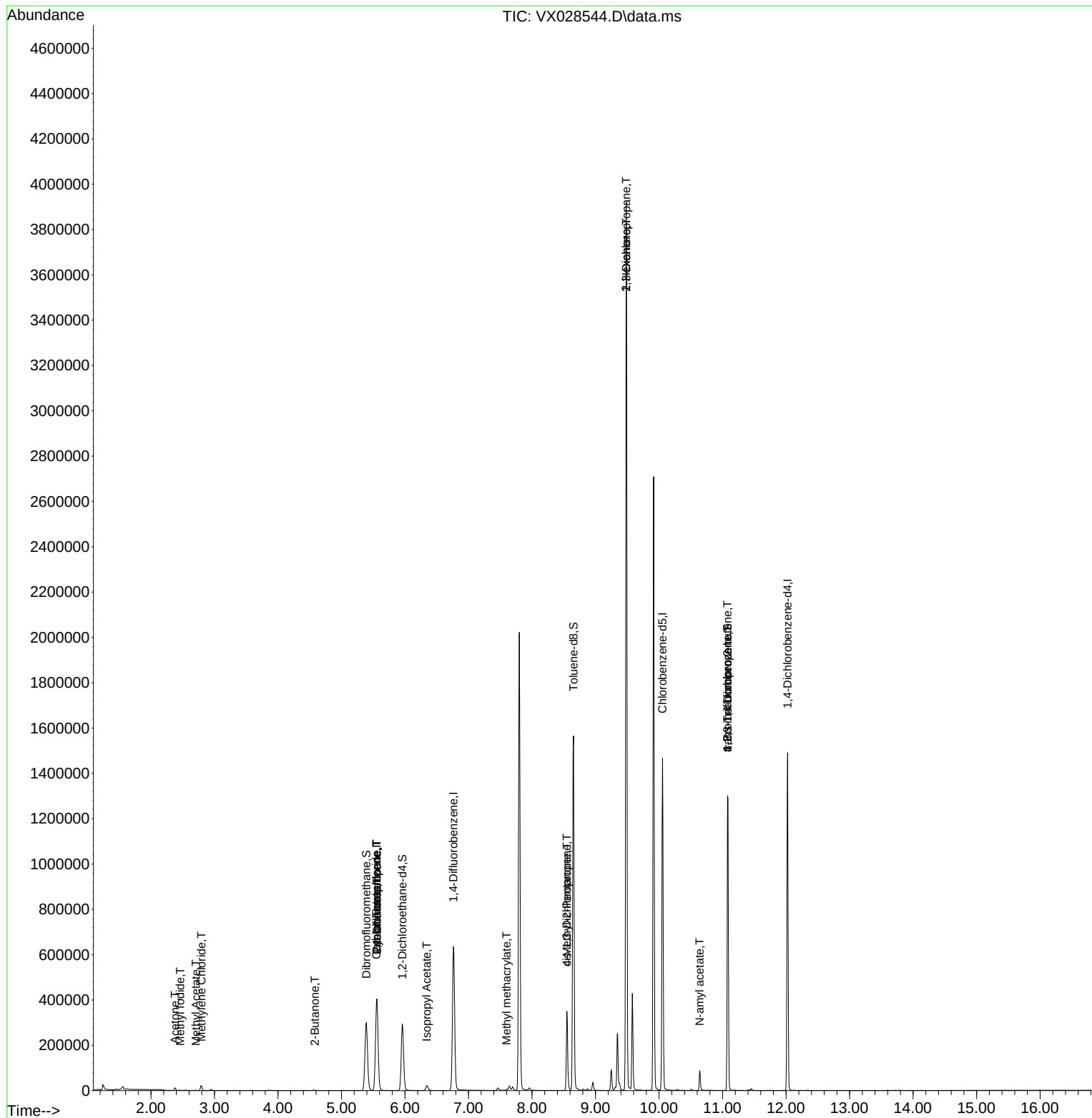
Internal Standards						
1) Pentafluorobenzene	5.556	168	398418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	687544	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	680774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	312412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	276196	53.167	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.340%			
35) Dibromofluoromethane	5.391	113	259575	53.835	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.660%			
50) Toluene-d8	8.653	98	946329	51.100	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.200%			
62) 4-Bromofluorobenzene	11.079	95	345457	48.787	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.580%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	451	Below Cal	#	31
5) Bromomethane	1.611	94	1581	Below Cal	#	78
6) Chloroethane	1.709	64	594	Below Cal	#	45
10) Methyl Iodide	2.459	142	1419	5.522	ug/l #	94
11) Tert butyl alcohol	2.940	59	2670	Below Cal	#	72
16) Acetone	2.380	43	12367	6.434	ug/l	92
18) Methyl Acetate	2.709	43	1790	0.388	ug/l	94
20) Methylene Chloride	2.794	84	10426	2.705	ug/l	97
25) 2-Butanone	4.580	43	2210	0.718	ug/l #	83
31) Cyclohexane	5.556	56	7618	1.204	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	28397	4.515	ug/l #	49
38) Carbon Tetrachloride	5.550	117	38661	5.445	ug/l #	17
43) Isopropyl Acetate	6.342	43	28329	2.728	ug/l	97
48) Methyl methacrylate	7.598	41	8772	1.840	ug/l #	7
51) 4-Methyl-2-Pentanone	8.549	43	108588	16.292	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	57884	7.465	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	38055	4.537	ug/l #	43
59) 2-Hexanone	9.482	43	431067	83.493	ug/l #	45
74) N-amyl acetate	10.640	43	19086	2.572	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	172017	27.977	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	172017	83.141	ug/l #	15

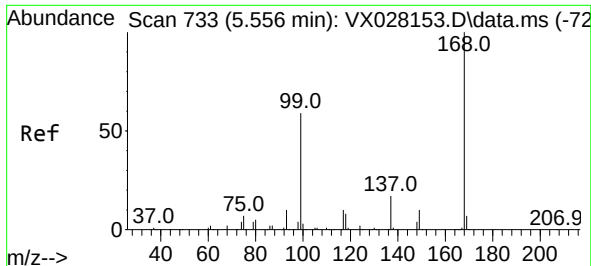
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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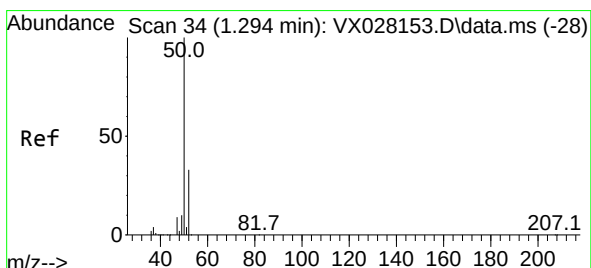
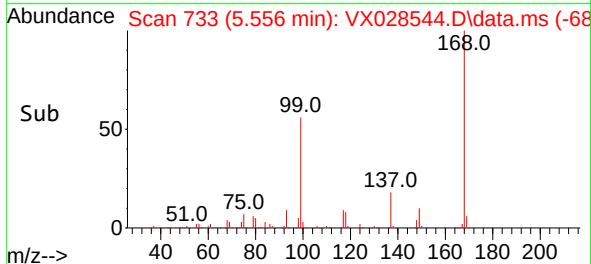
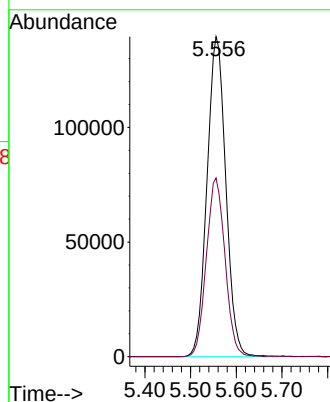
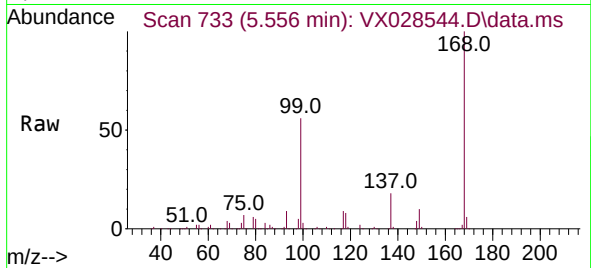




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

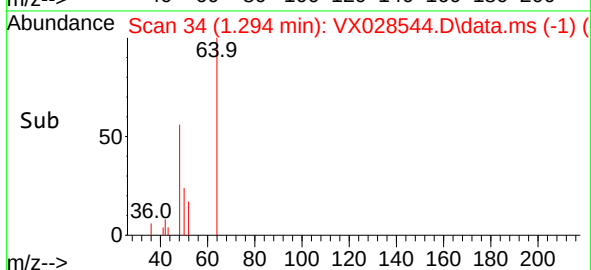
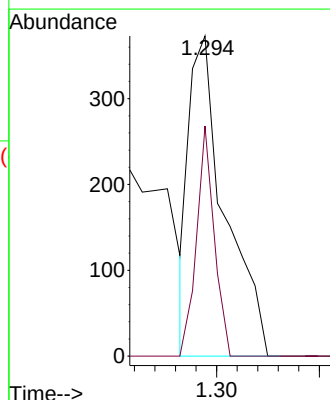
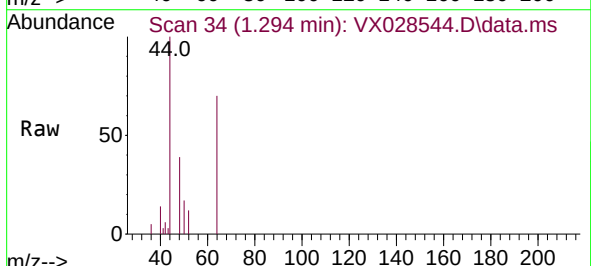
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#01

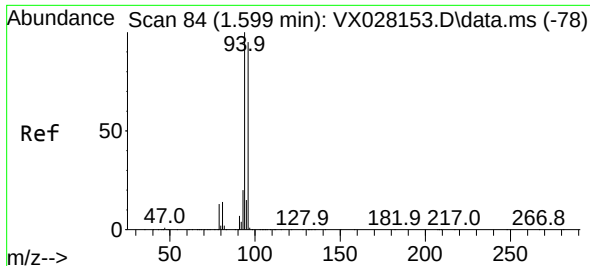
Tgt Ion:168 Resp: 398418
Ion Ratio Lower Upper
168 100
99 55.9 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

Tgt Ion: 50 Resp: 451
Ion Ratio Lower Upper
50 100
52 71.8 26.4 39.6#





#5

Bromomethane

Concen: Below Cal

RT: 1.611 min Scan# 80

Delta R.T. 0.012 min

Lab File: VX028544.D

Acq: 06 May 2022 13:02

Instrument :

MSVOA_X

ClientSampleId :

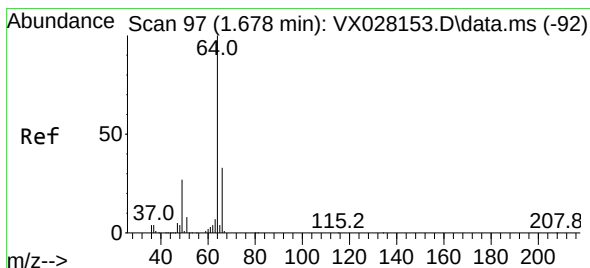
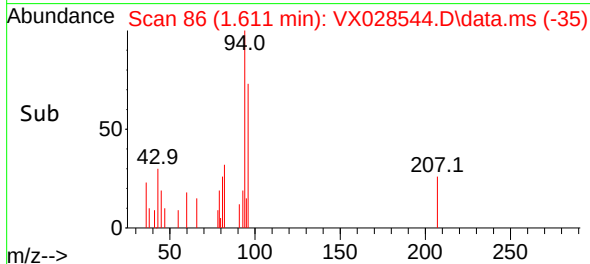
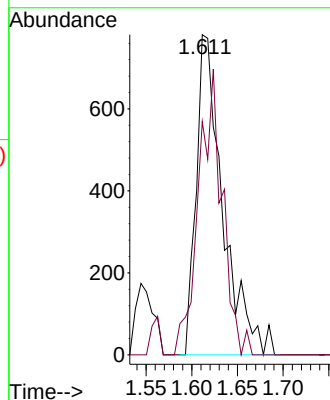
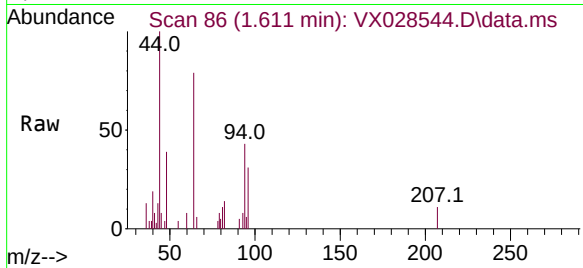
PB144610ZHE#01

Tgt Ion: 94 Resp: 1581

Ion Ratio Lower Upper

94 100

96 72.9 75.3 112.9#



#6

Chloroethane

Concen: Below Cal

RT: 1.709 min Scan# 102

Delta R.T. 0.031 min

Lab File: VX028544.D

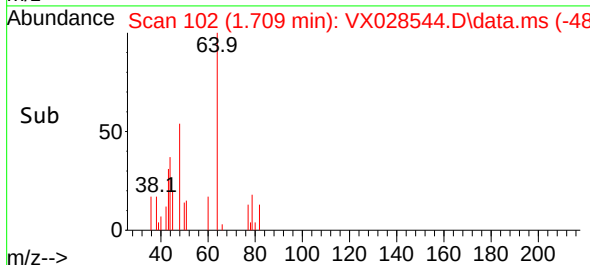
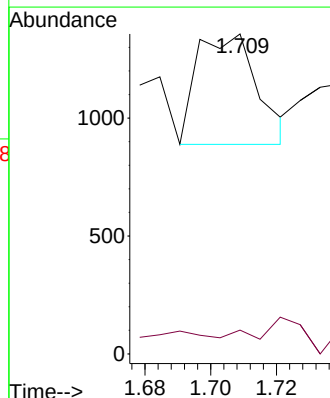
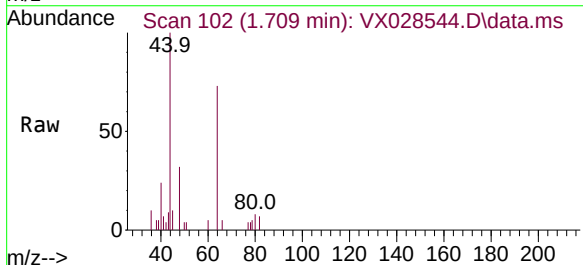
Acq: 06 May 2022 13:02

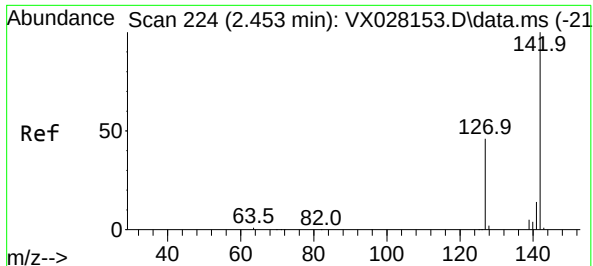
Tgt Ion: 64 Resp: 594

Ion Ratio Lower Upper

64 100

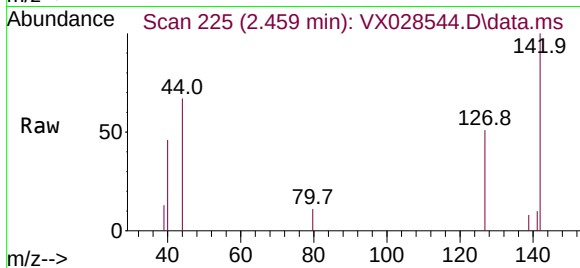
66 0.9 25.3 37.9#



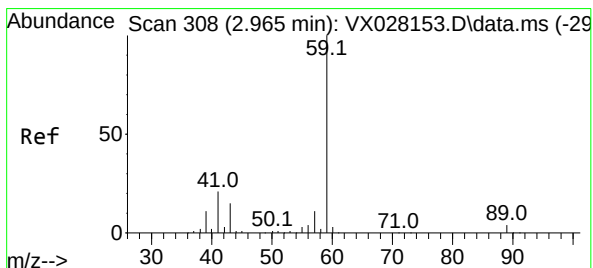
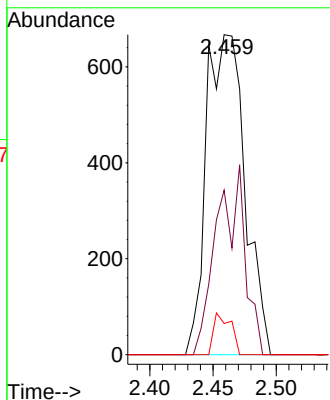
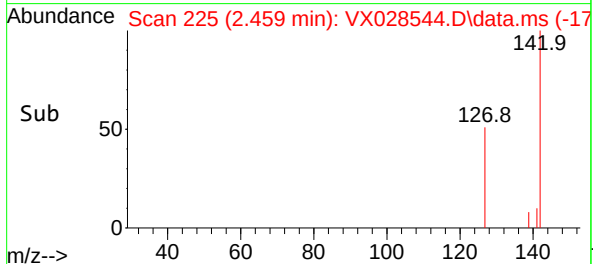


#10
Methyl Iodide
Concen: 5.522 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#01

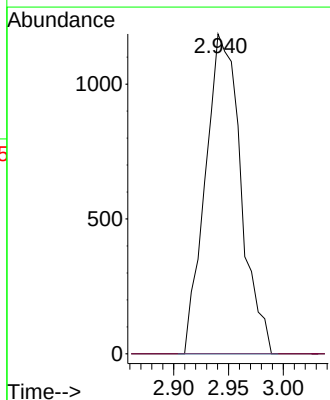
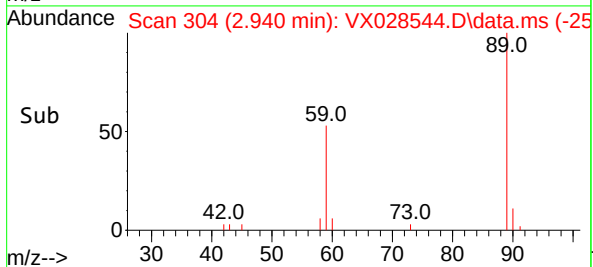
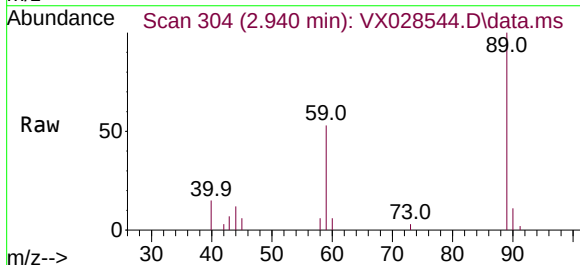


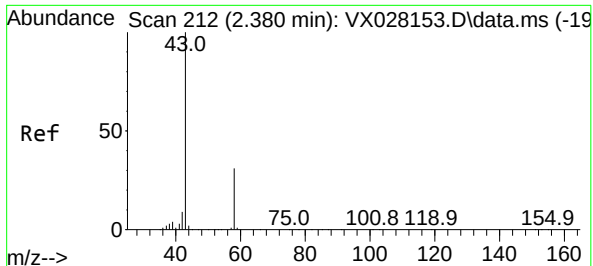
Tgt Ion:142 Resp: 1419
Ion Ratio Lower Upper
142 100
127 43.0 33.9 50.9
141 5.7 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.025 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

Tgt Ion: 59 Resp: 2670
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

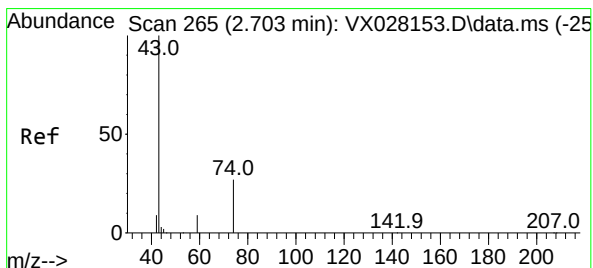
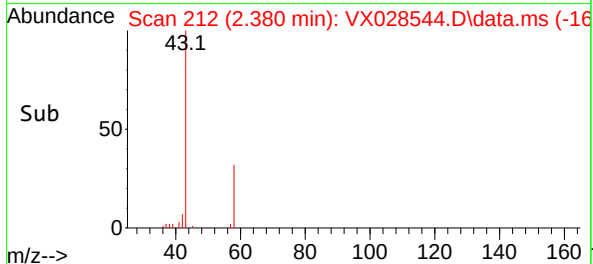
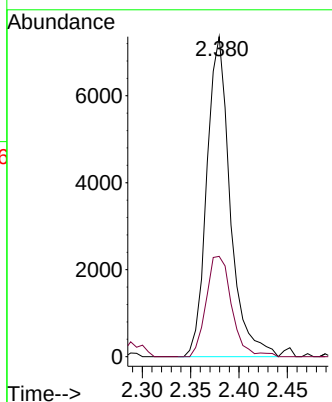
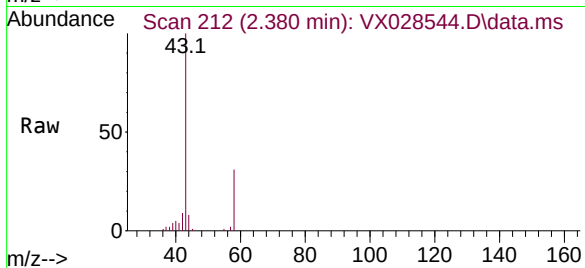




#16
Acetone
Concen: 6.434 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

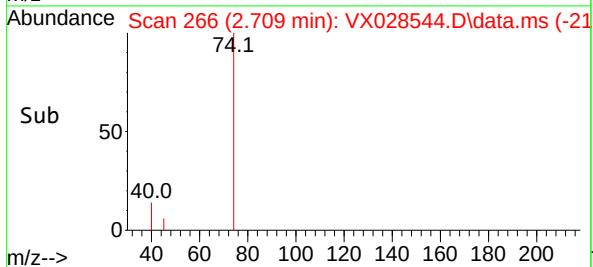
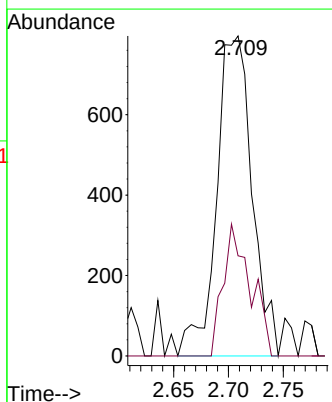
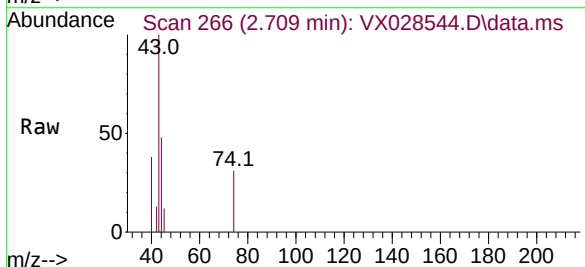
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#01

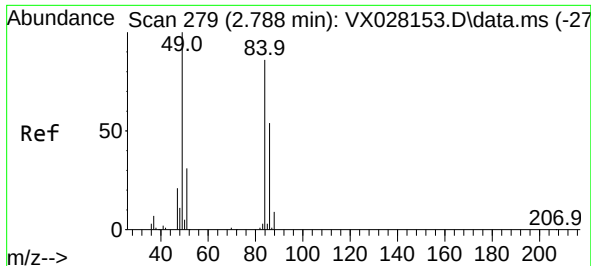
Tgt Ion: 43 Resp: 12367
Ion Ratio Lower Upper
43 100
58 31.4 28.8 43.2



#18
Methyl Acetate
Concen: 0.388 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

Tgt Ion: 43 Resp: 1790
Ion Ratio Lower Upper
43 100
74 31.9 22.8 34.2

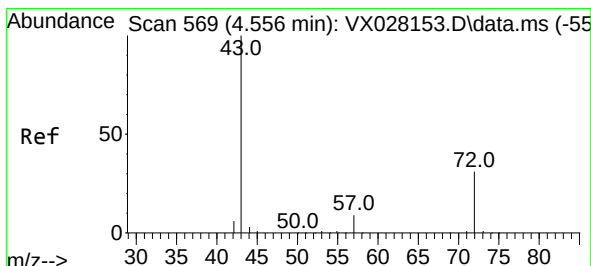
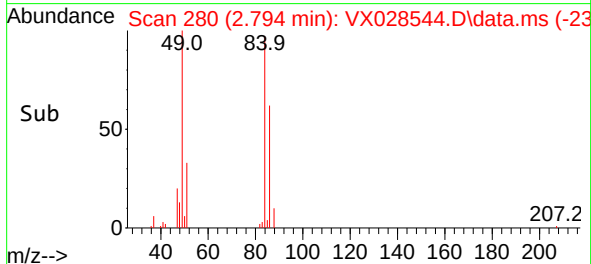
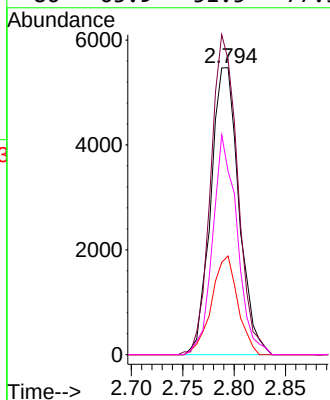
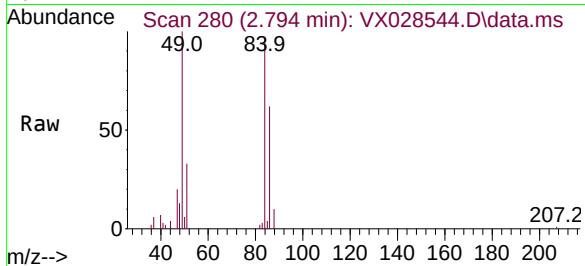




#20
Methylene Chloride
Concen: 2.705 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

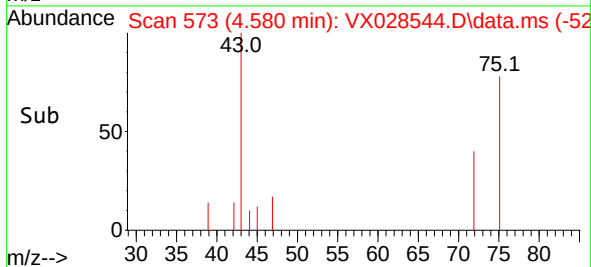
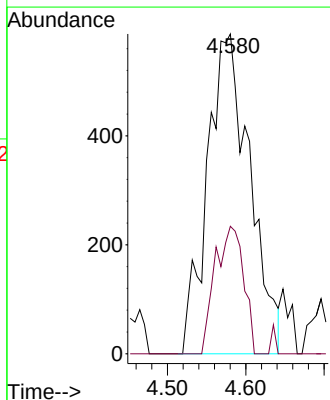
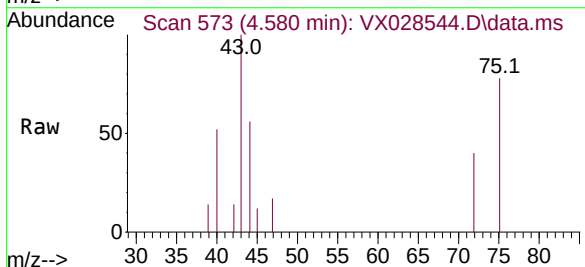
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#01

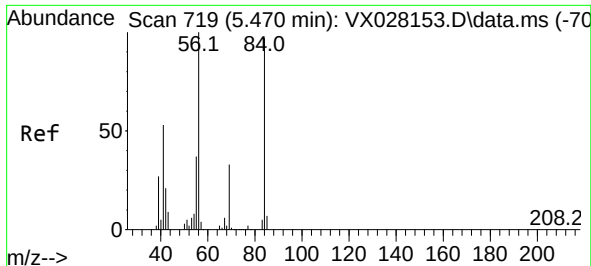
Tgt Ion:	84	Resp:	10426
Ion	Ratio	Lower	Upper
84	100		
49	102.8	85.5	128.3
51	34.4	26.6	39.8
86	63.9	51.5	77.3



#25
2-Butanone
Concen: 0.718 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

Tgt Ion:	43	Resp:	2210
Ion	Ratio	Lower	Upper
43	100		
72	39.9	24.4	36.6#

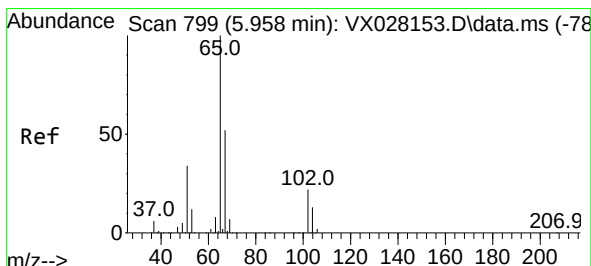
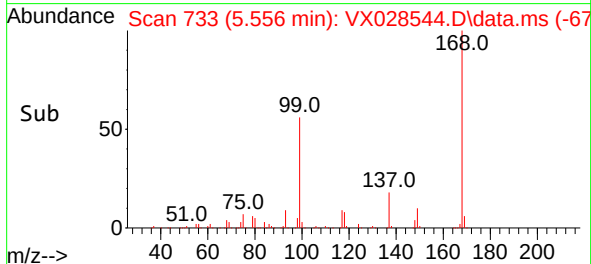
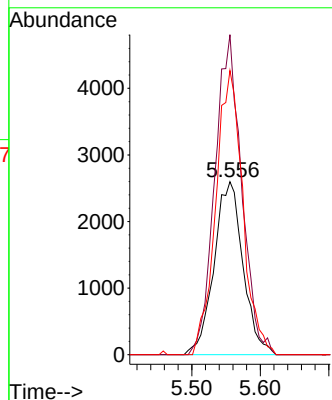
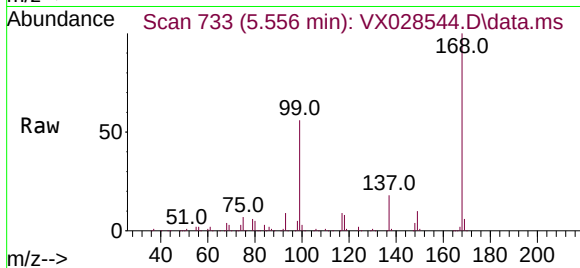




#31
Cyclohexane
Concen: 1.204 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

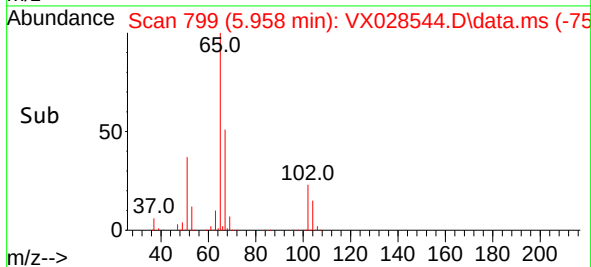
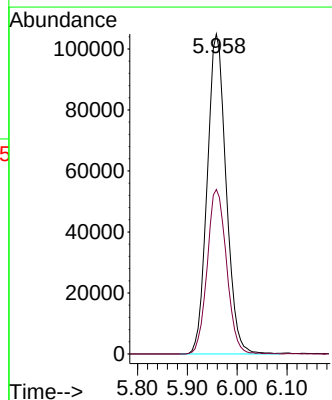
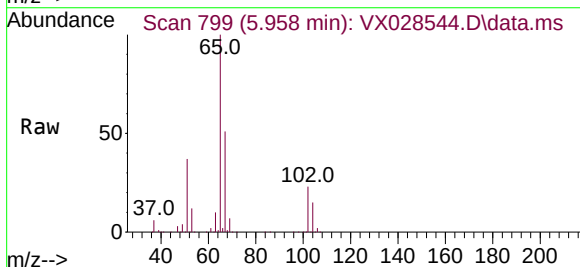
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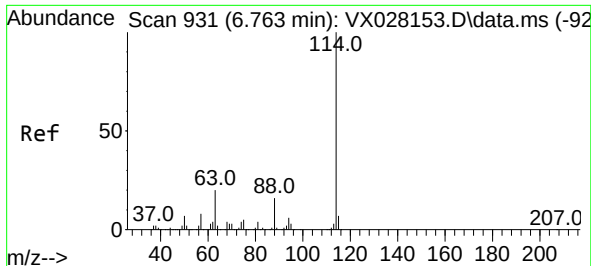
Tgt Ion: 56 Resp: 7618
Ion Ratio Lower Upper
56 100
69 185.0 26.7 40.1#
84 164.3 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 53.167 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

Tgt Ion: 65 Resp: 276196
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.4

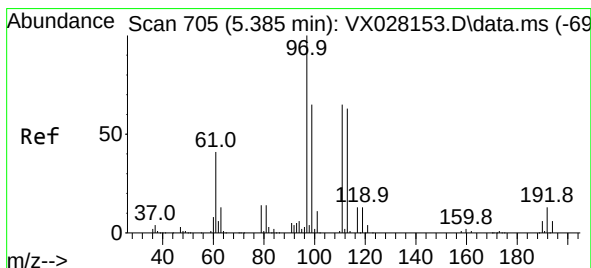
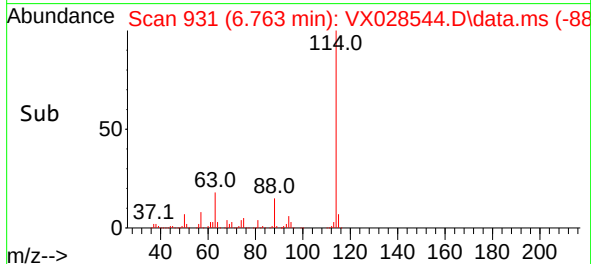
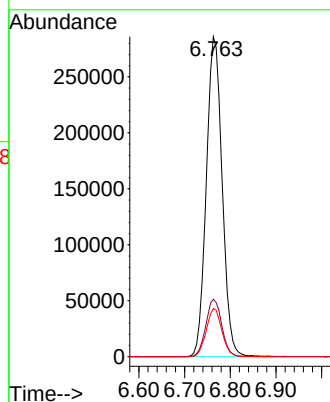
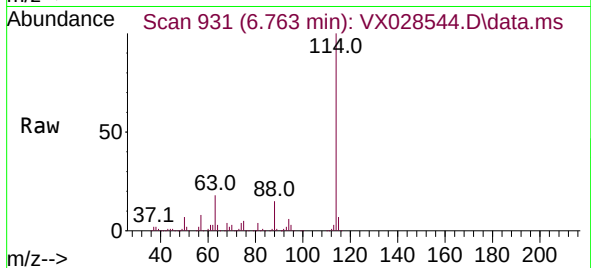




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

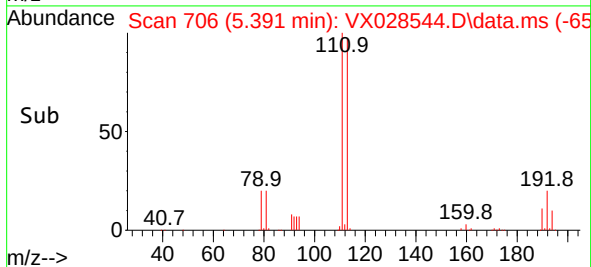
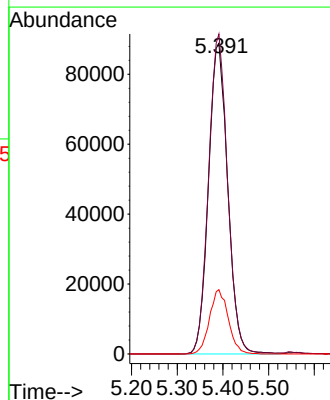
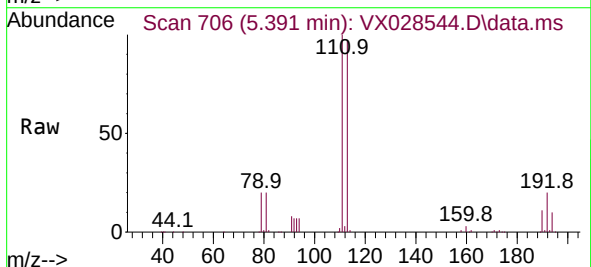
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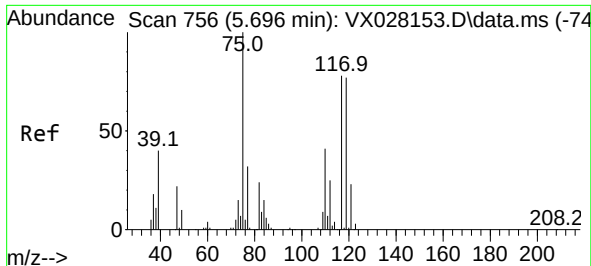
Tgt Ion:114 Resp: 687544
Ion Ratio Lower Upper
114 100
63 18.0 0.0 36.8
88 15.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.835 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

Tgt Ion:113 Resp: 259575
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 20.2 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.515 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX028544.D

Acq: 06 May 2022 13:02

Instrument :

MSVOA_X

ClientSampleId :

PB144610ZHE#01

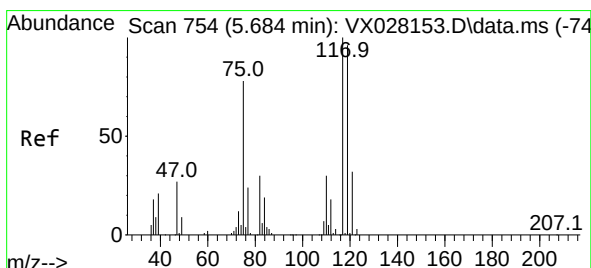
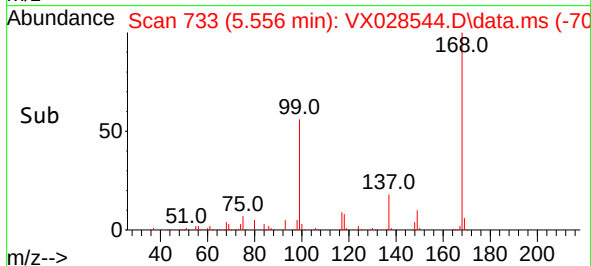
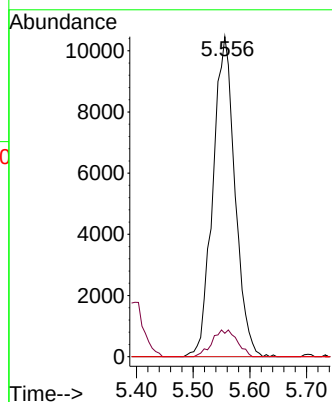
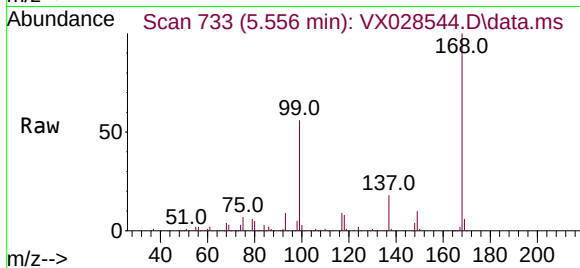
Tgt Ion: 75 Resp: 28397

Ion Ratio Lower Upper

75 100

110 9.4 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.445 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX028544.D

Acq: 06 May 2022 13:02

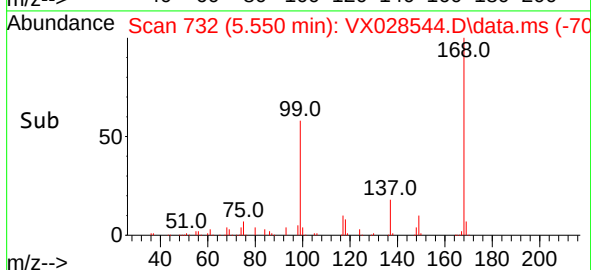
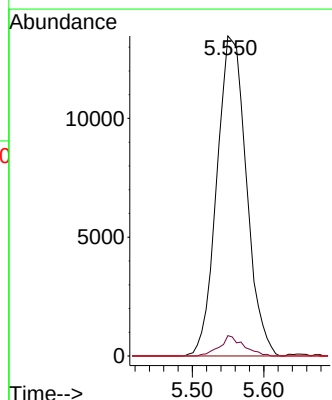
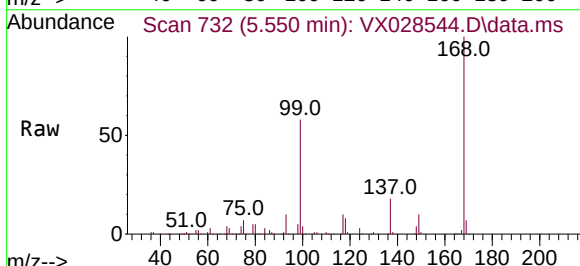
Tgt Ion: 117 Resp: 38661

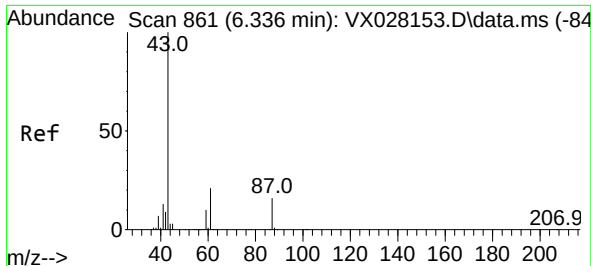
Ion Ratio Lower Upper

117 100

119 6.4 77.3 115.9#

121 0.0 24.2 36.2#

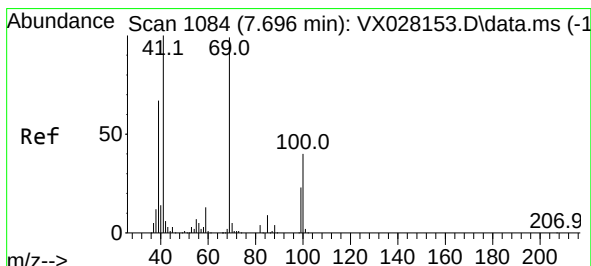
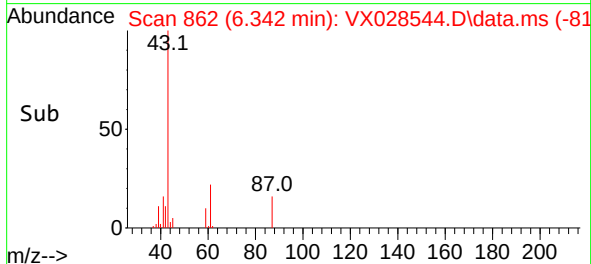
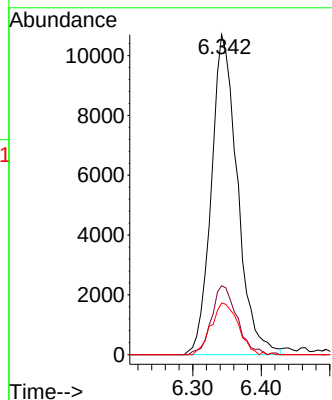
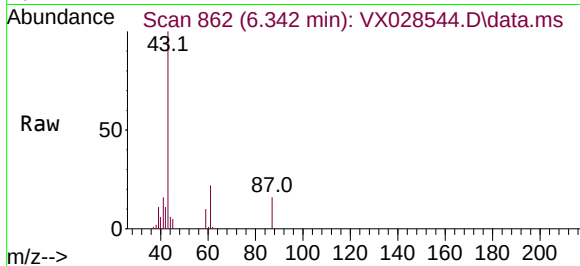




#43
Isopropyl Acetate
Concen: 2.728 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

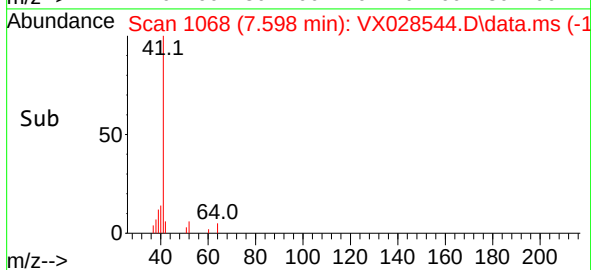
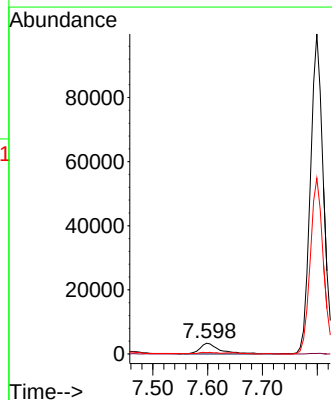
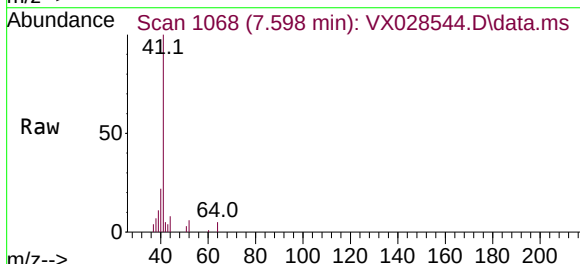
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#01

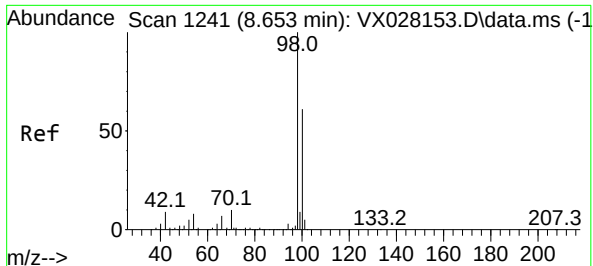
Tgt Ion: 43 Resp: 28329
Ion Ratio Lower Upper
43 100
61 21.0 18.5 27.7
87 16.9 13.0 19.6



#48
Methyl methacrylate
Concen: 1.840 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

Tgt Ion: 41 Resp: 8772
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#

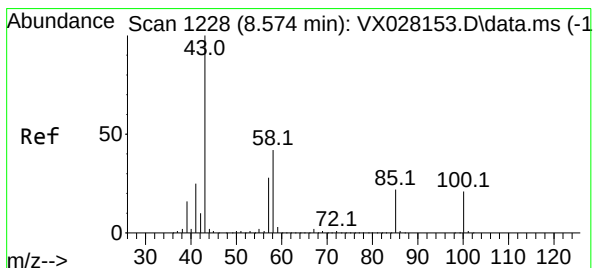
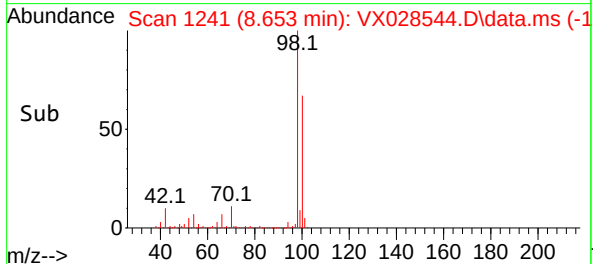
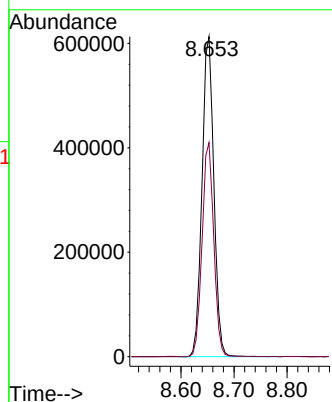
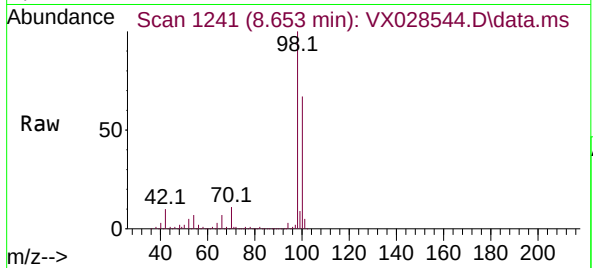




#50
Toluene-d8
Concen: 51.100 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

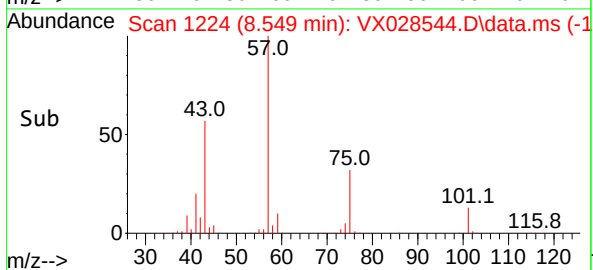
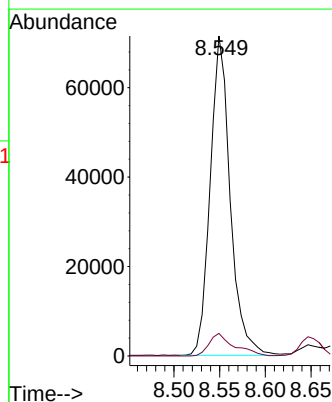
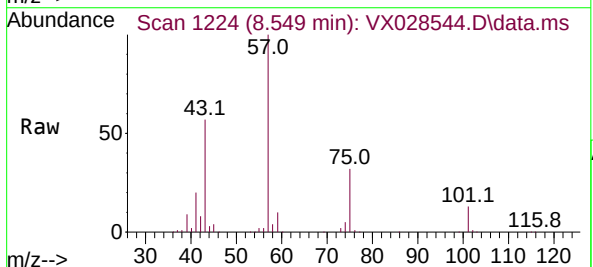
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#01

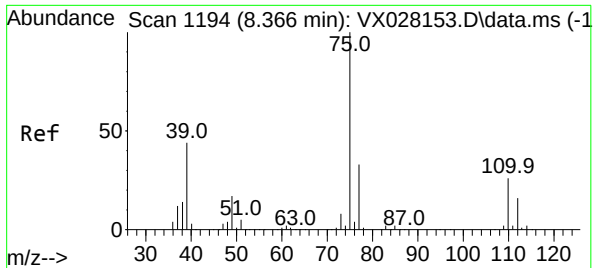
Tgt Ion: 98 Resp: 946329
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.292 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

Tgt Ion: 43 Resp: 108588
Ion Ratio Lower Upper
43 100
58 8.8 36.1 54.1#

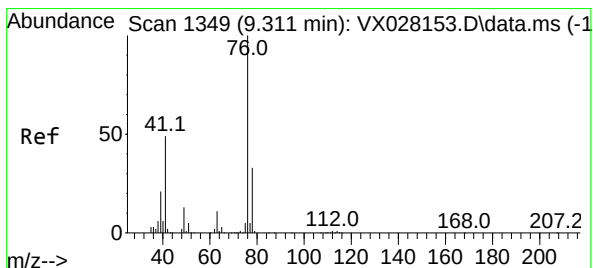
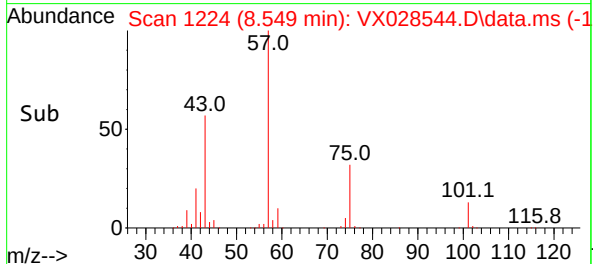
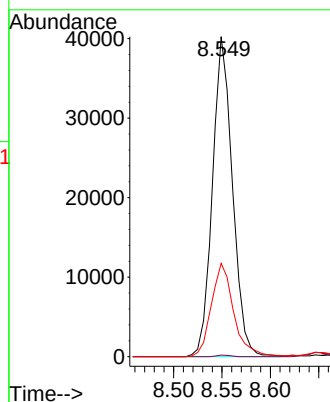
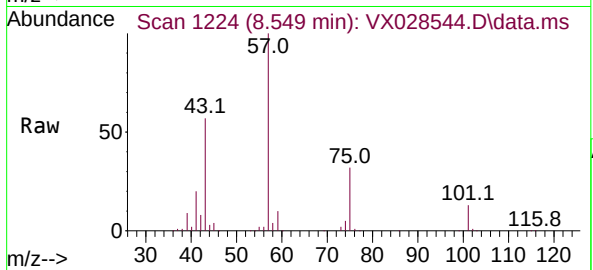




#54
 cis-1,3-Dichloropropene
 Concen: 7.465 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028544.D
 Acq: 06 May 2022 13:02

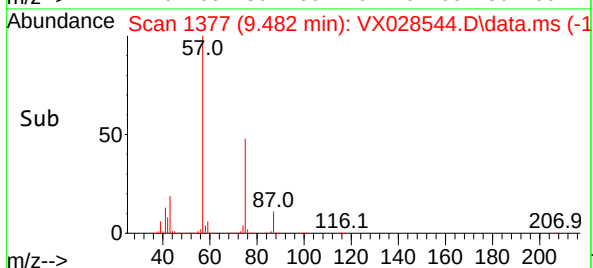
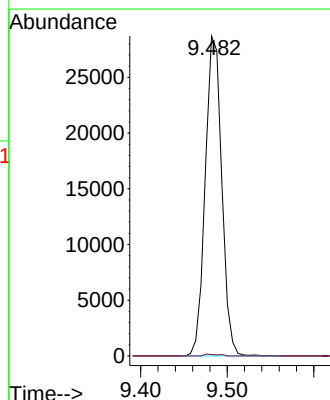
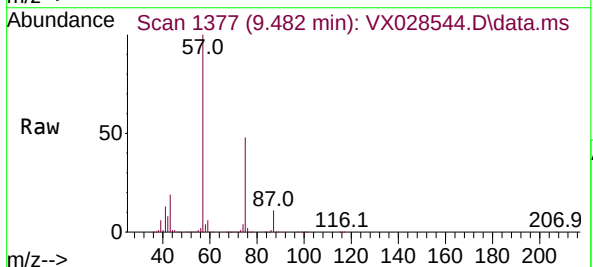
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144610ZHE#01

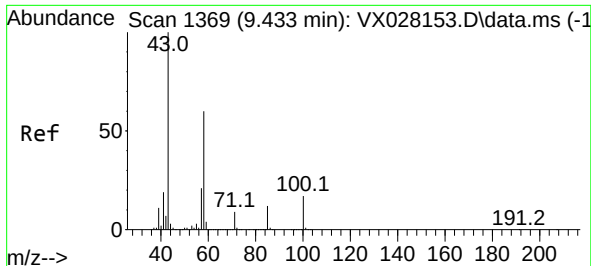
Tgt Ion: 75 Resp: 57884
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 29.2 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 4.537 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028544.D
 Acq: 06 May 2022 13:02

Tgt Ion: 76 Resp: 38055
 Ion Ratio Lower Upper
 76 100
 78 0.5 25.8 38.8#

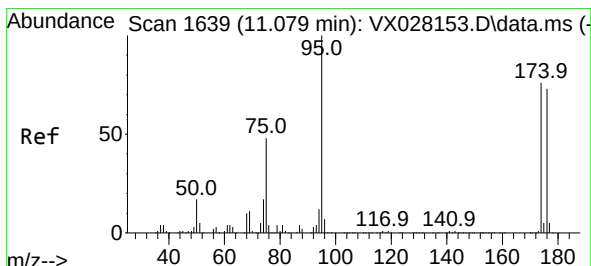
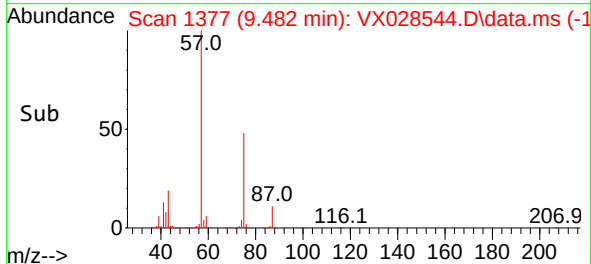
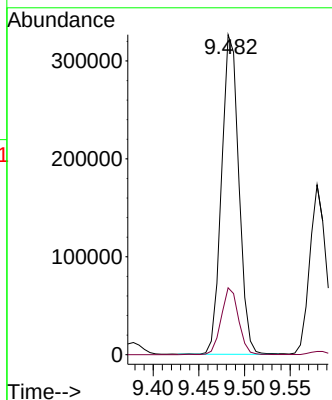
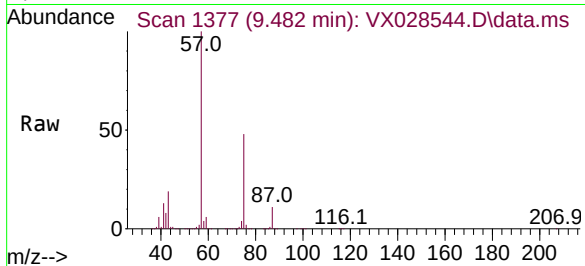




#59
2-Hexanone
Concen: 83.493 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

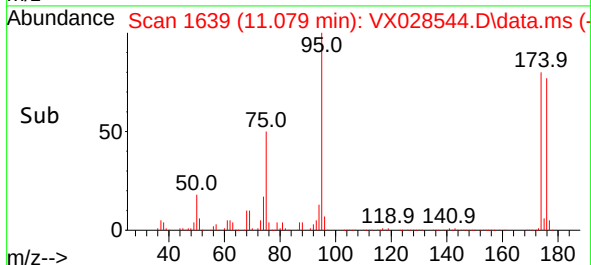
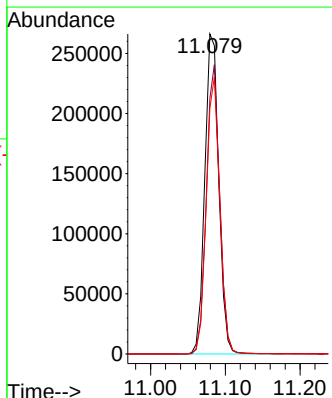
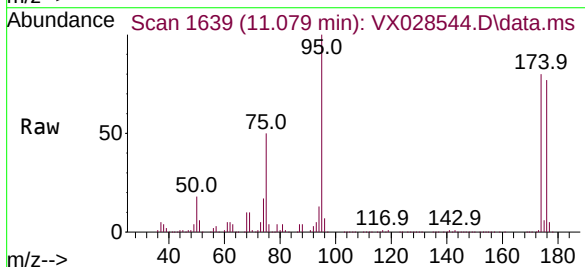
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#01

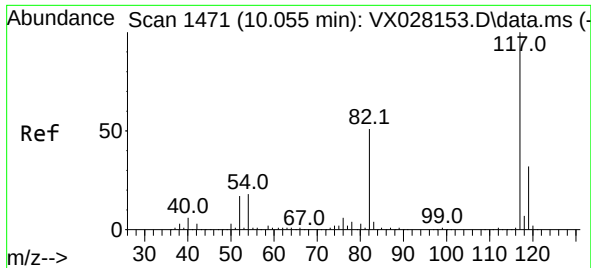
Tgt Ion: 43 Resp: 431067
Ion Ratio Lower Upper
43 100
58 21.0 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 48.787 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

Tgt Ion: 95 Resp: 345457
Ion Ratio Lower Upper
95 100
174 86.7 0.0 163.0
176 83.9 0.0 155.0

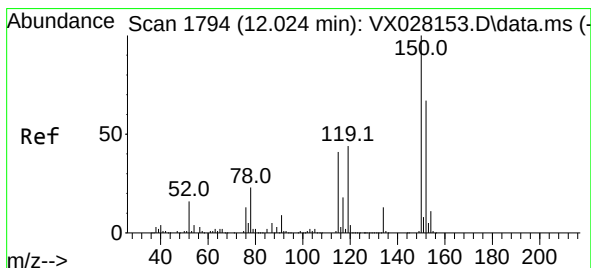
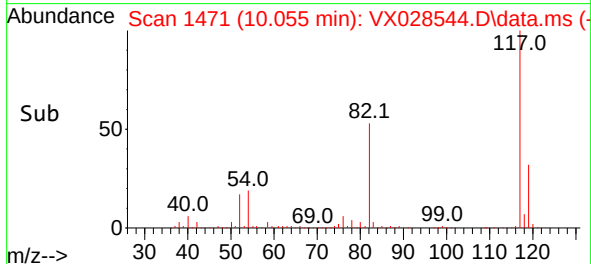
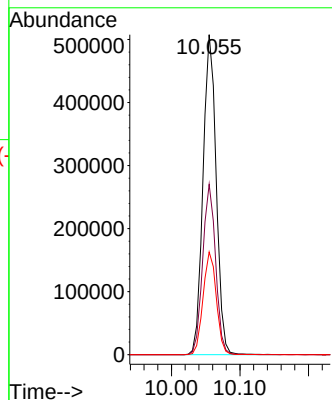
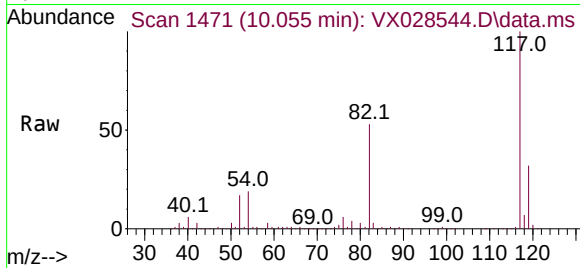




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

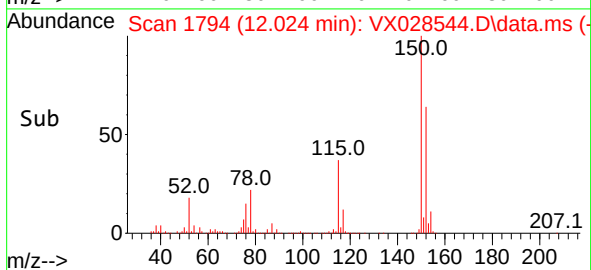
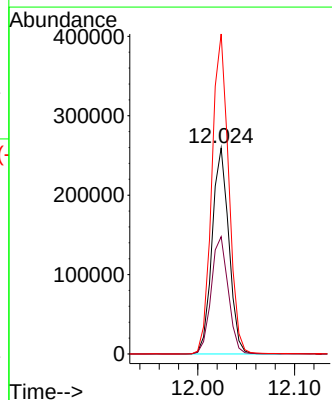
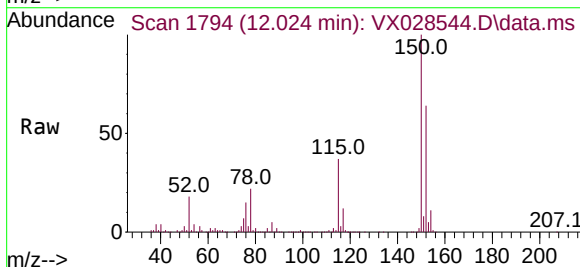
Instrument :
MSVOA_X
ClientSampleId :
PB144610ZHE#01

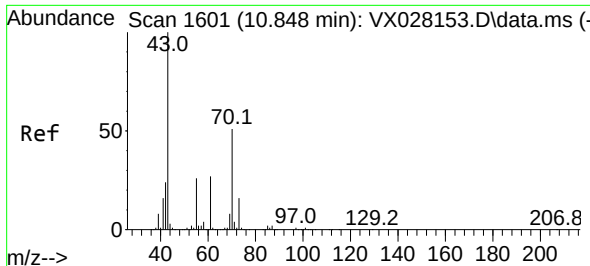
Tgt Ion:117 Resp: 680774
Ion Ratio Lower Upper
117 100
82 53.3 41.8 62.8
119 32.1 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

Tgt Ion:152 Resp: 312412
Ion Ratio Lower Upper
152 100
115 57.9 37.5 112.7
150 156.6 0.0 338.2

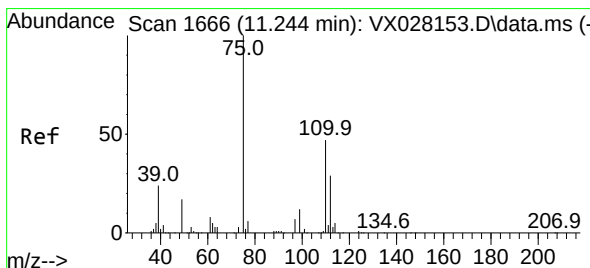
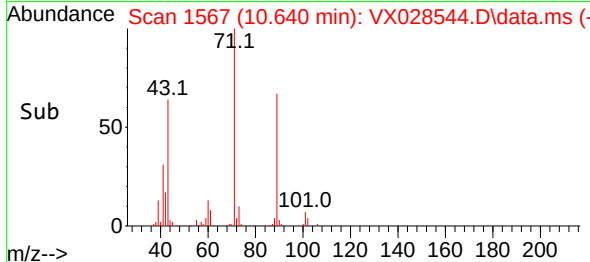
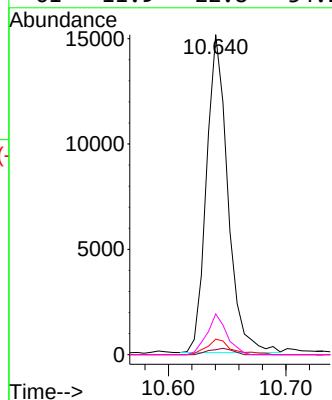
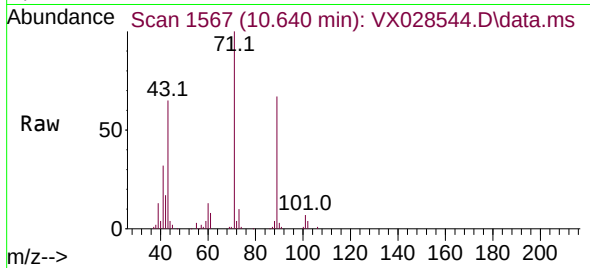




#74
N-amy1 acetate
Concen: 2.572 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.208 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

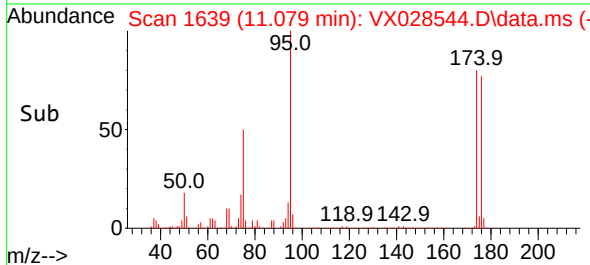
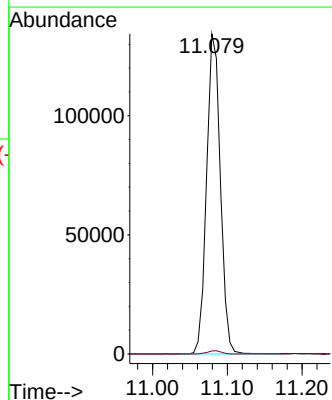
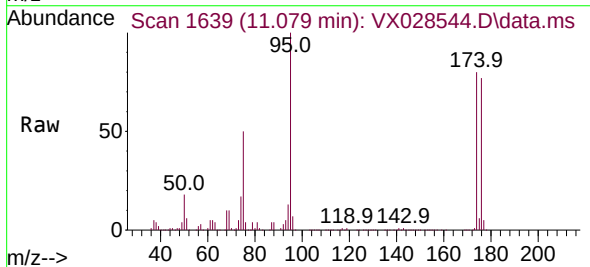
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MSVOA_X
ClientSampleId :
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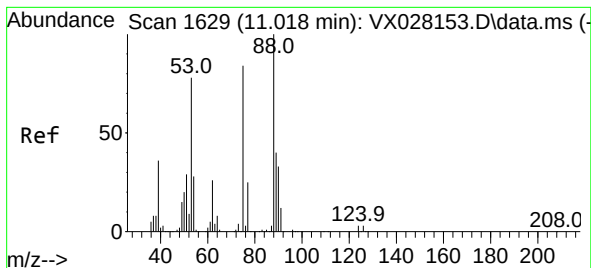
Tgt Ion: 43	Resp: 19086
Ion Ratio	Lower Upper
43 100	
70 2.2	42.5 63.7#
55 5.6	23.1 34.7#
61 11.9	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 27.977 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028544.D
Acq: 06 May 2022 13:02

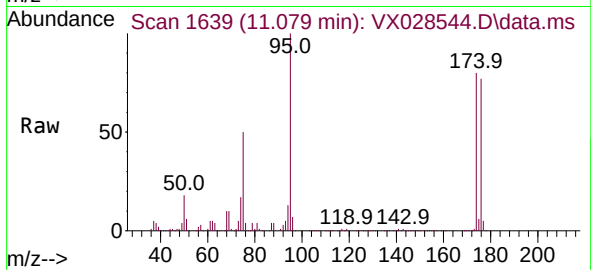
Tgt Ion: 75	Resp: 172017
Ion Ratio	Lower Upper
75 100	
77 1.0	19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.141 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028544.D
 Acq: 06 May 2022 13:02

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144610ZHE#01



Tgt Ion: 75 Resp: 172017
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

