

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028589.D
 Acq On : 10 May 2022 12:52
 Operator : JC/MD
 Sample : PB144702ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702ZHE#02

Quant Time: May 11 06:58:39 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)

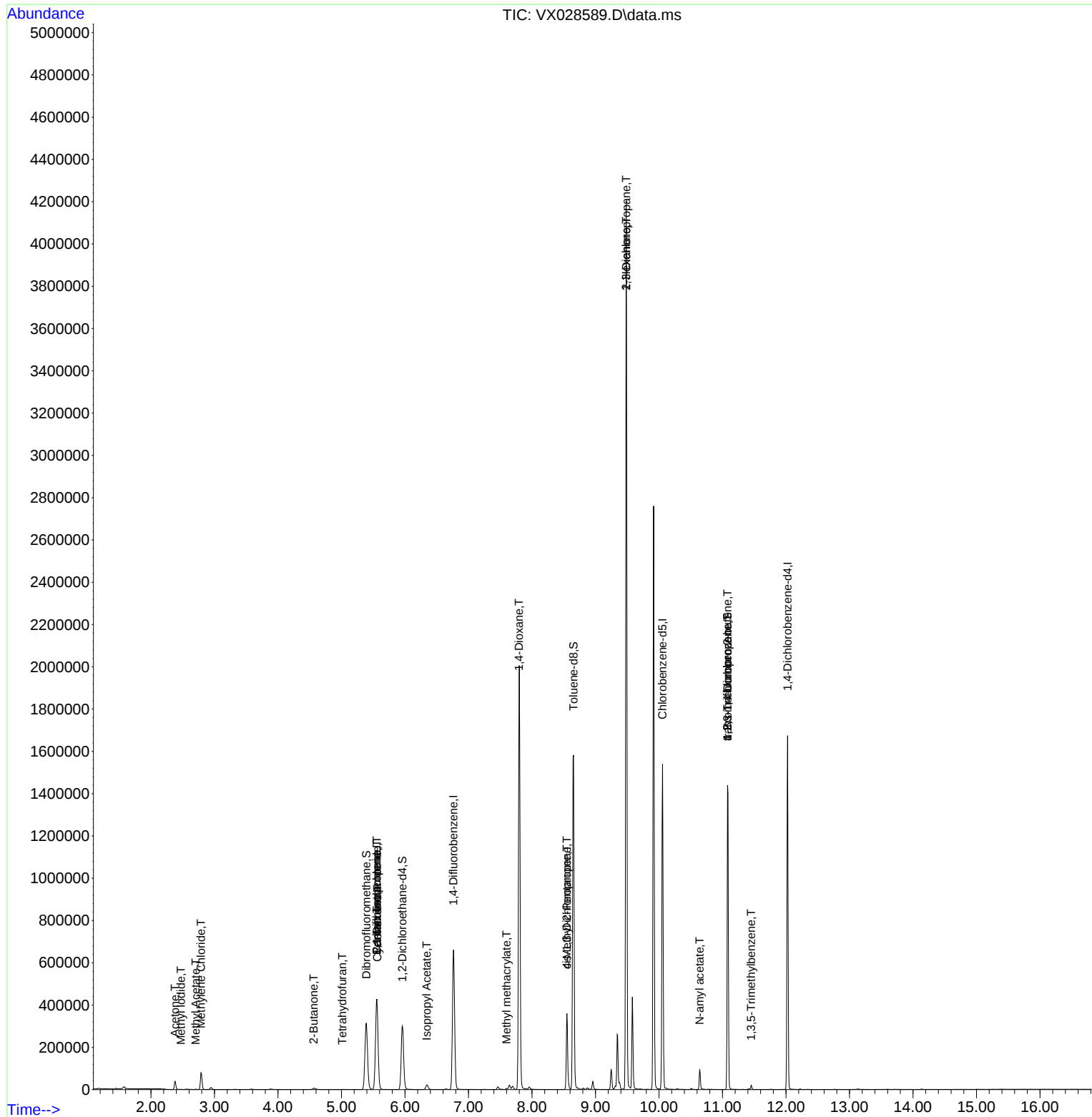
Internal Standards						
1) Pentafluorobenzene	5.556	168	423810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	715969	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	711012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	347066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	290623	52.592	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.180%			
35) Dibromofluoromethane	5.391	113	270950	53.963	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.920%			
50) Toluene-d8	8.653	98	995689	51.631	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.260%			
62) 4-Bromofluorobenzene	11.079	95	374166	50.743	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.480%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	365	Below Cal	#	76
5) Bromomethane	1.612	94	1007	Below Cal		90
6) Chloroethane	1.666	64	142	Below Cal	#	43
8) Diethyl Ether	2.136	74	72	Below Cal	#	1
10) Methyl Iodide	2.471	142	836	5.394	ug/l #	88
11) Tert butyl alcohol	2.947	59	5089	Below Cal	#	76
16) Acetone	2.380	43	40980	23.012	ug/l	100
18) Methyl Acetate	2.703	43	2203	0.448	ug/l #	88
20) Methylene Chloride	2.788	84	37431	9.129	ug/l	96
25) 2-Butanone	4.562	43	8305	2.538	ug/l	96
29) Tetrahydrofuran	5.013	42	470	0.220	ug/l #	56
31) Cyclohexane	5.562	56	7788	1.157	ug/l #	14
36) 1,1-Dichloropropene	5.556	75	29909	4.567	ug/l #	50
38) Carbon Tetrachloride	5.556	117	40878	5.529	ug/l #	15
43) Isopropyl Acetate	6.342	43	29972	2.771	ug/l	97
48) Methyl methacrylate	7.598	41	8181	1.647	ug/l #	7
49) 1,4-Dioxane	7.793	88	439	3.305	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	118400	17.059	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	60700	7.517	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	39488	4.521	ug/l #	43
59) 2-Hexanone	9.482	43	438692	81.597	ug/l #	45
74) N-amyl acetate	10.640	43	20797	2.522	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	186010	27.232	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	8242	0.407	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.079	75	186010	80.927	ug/l #	15

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

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Quant Title : SW846 8260
QLast Update : Tue Apr 19 13:38:04 2022
Response via : Initial Calibration

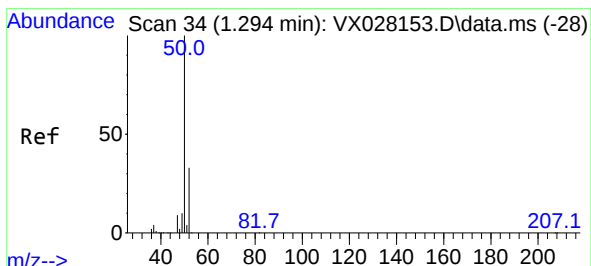
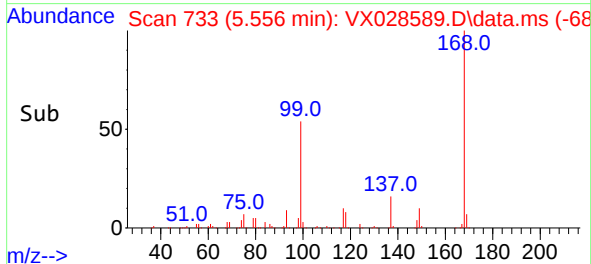
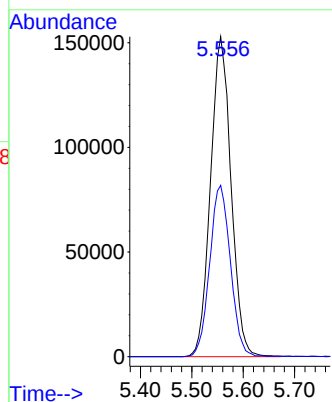
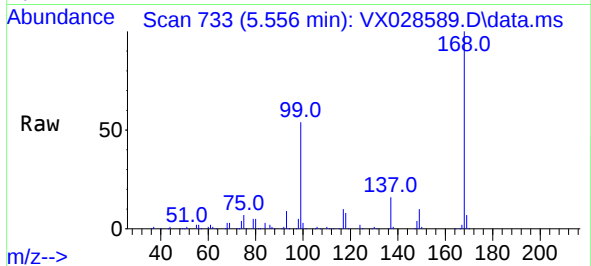




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

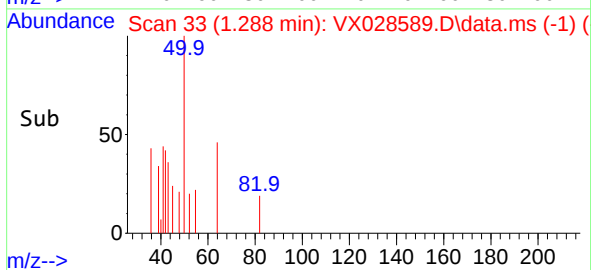
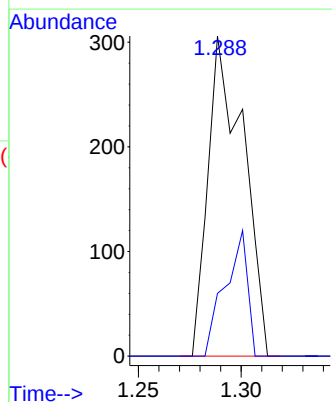
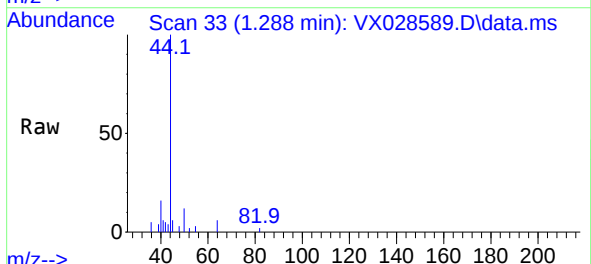
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#02

Tgt Ion:168 Resp: 423810
Ion Ratio Lower Upper
168 100
99 53.6 41.7 62.5

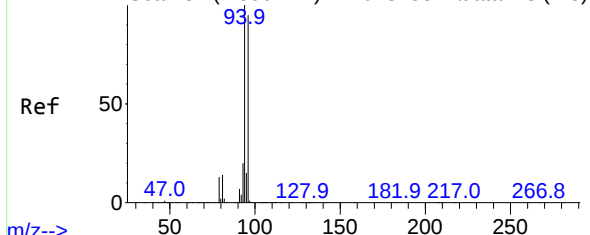


#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

Tgt Ion: 50 Resp: 365
Ion Ratio Lower Upper
50 100
52 19.6 26.4 39.6#



Abundance Scan 84 (1.599 min): VX028153.D\data.ms (-78)



#5

Bromomethane

Concen: Below Cal

RT: 1.612 min Scan# 80

Delta R.T. 0.013 min

Lab File: VX028589.D

Acq: 10 May 2022 12:52

Instrument :

MSVOA_X

ClientSampleId :

PB144702ZHE#02

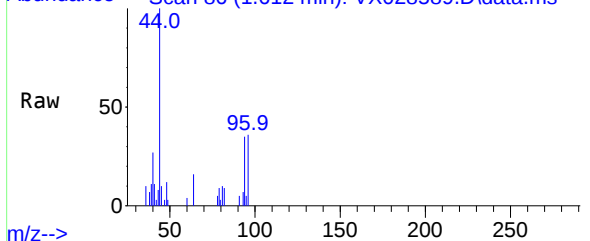
Tgt Ion: 94 Resp: 1007

Ion Ratio Lower Upper

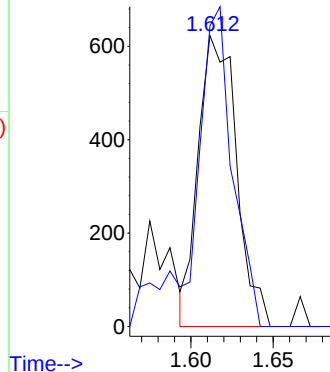
94 100

96 103.4 75.3 112.9

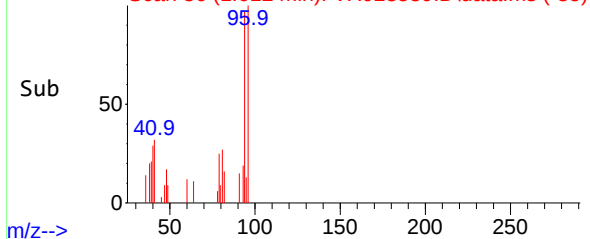
Abundance Scan 86 (1.612 min): VX028589.D\data.ms



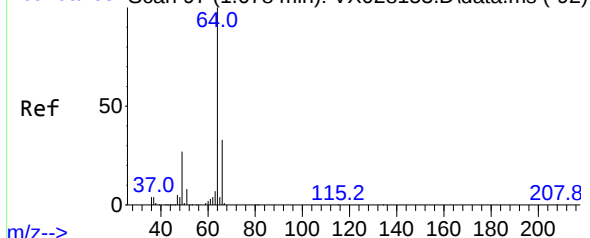
Abundance



Abundance Scan 86 (1.612 min): VX028589.D\data.ms (-35)



Abundance Scan 97 (1.678 min): VX028153.D\data.ms (-92)



#6

Chloroethane

Concen: Below Cal

RT: 1.666 min Scan# 95

Delta R.T. -0.012 min

Lab File: VX028589.D

Acq: 10 May 2022 12:52

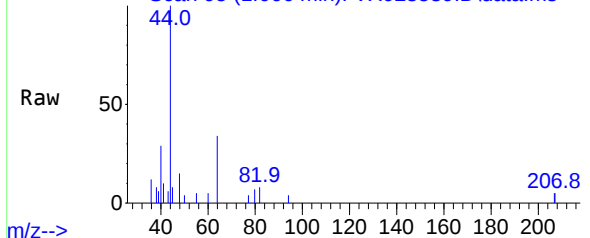
Tgt Ion: 64 Resp: 142

Ion Ratio Lower Upper

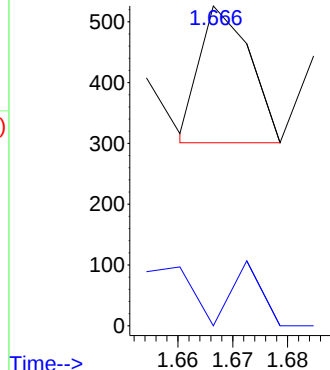
64 100

66 0.0 25.3 37.9#

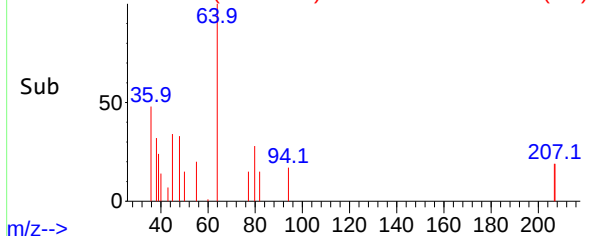
Abundance Scan 95 (1.666 min): VX028589.D\data.ms

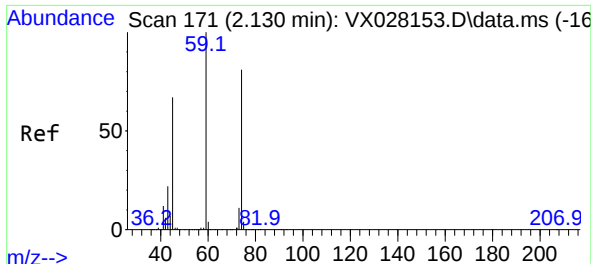


Abundance



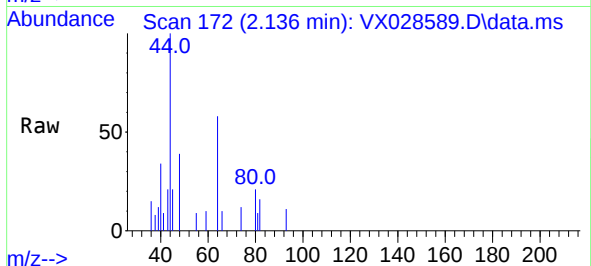
Abundance Scan 95 (1.666 min): VX028589.D\data.ms (-48)



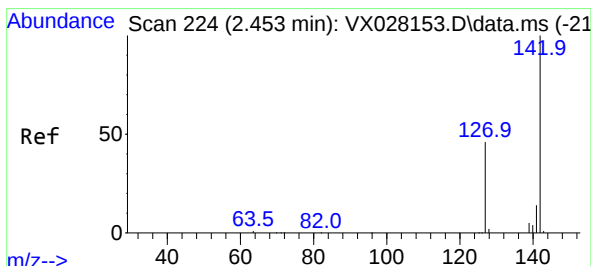
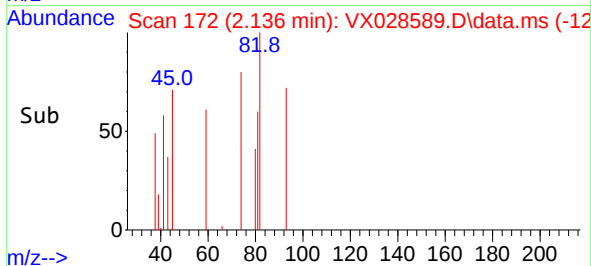
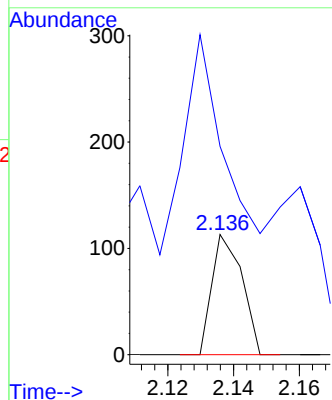


#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#02

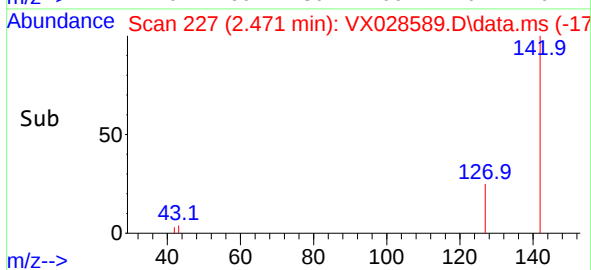
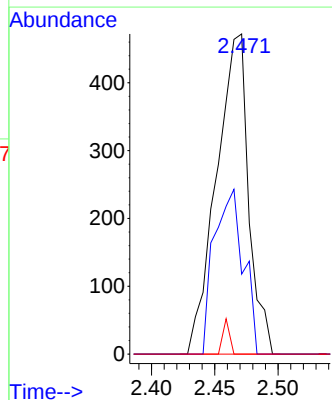
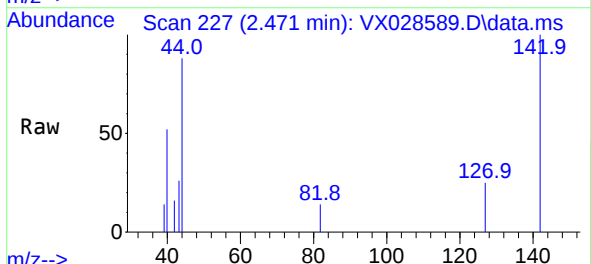


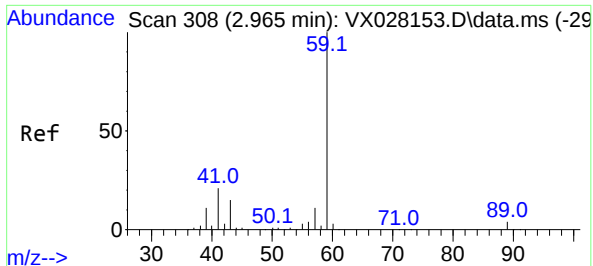
Tgt Ion: 74 Resp: 72
Ion Ratio Lower Upper
74 100
45 336.1 42.0 126.0#



#10
Methyl Iodide
Concen: 5.394 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

Tgt Ion:142 Resp: 836
Ion Ratio Lower Upper
142 100
127 46.7 33.9 50.9
141 2.3 11.4 17.2#

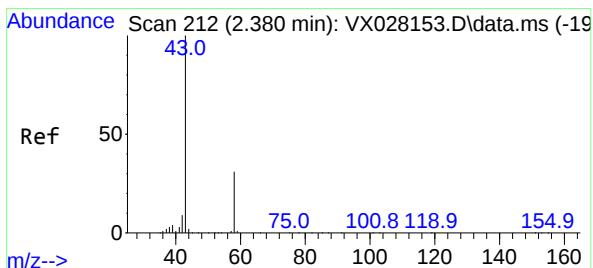
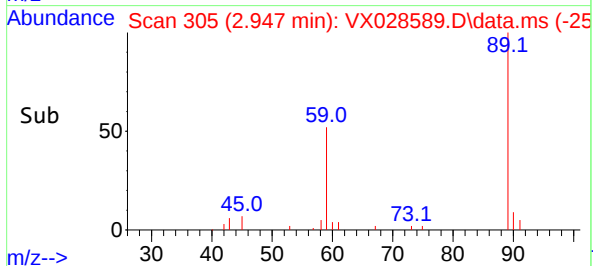
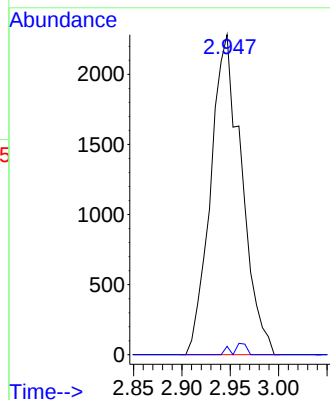
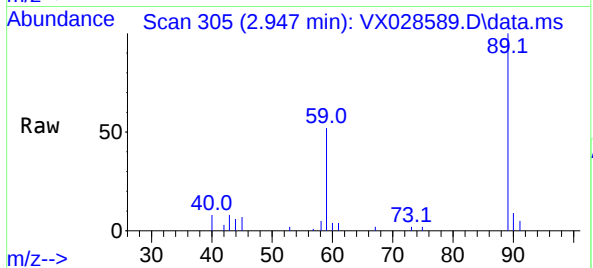




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

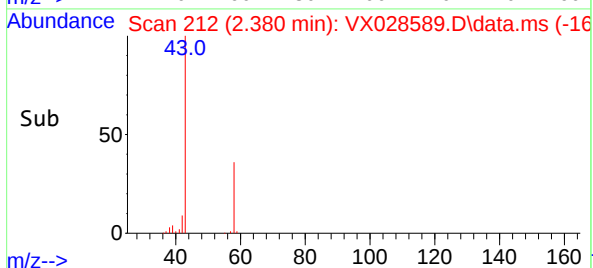
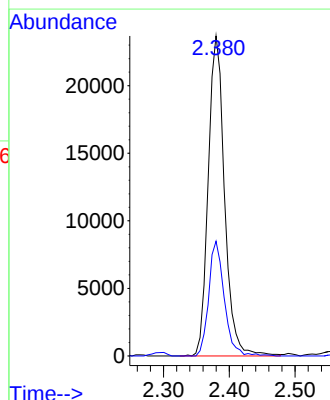
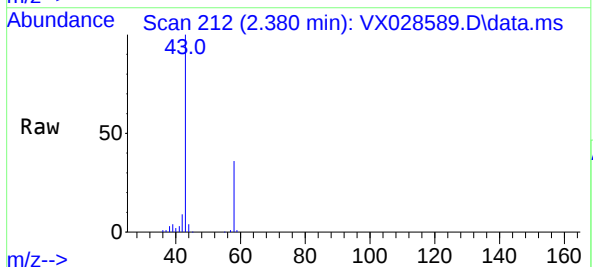
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#02

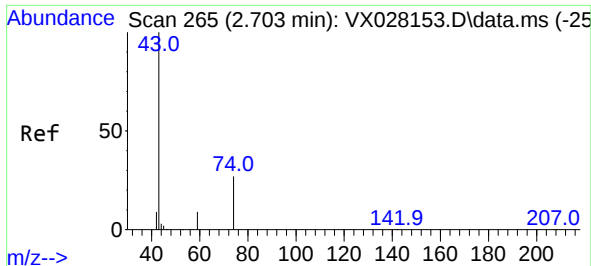
Tgt Ion: 59 Resp: 5089
Ion Ratio Lower Upper
59 100
57 1.6 8.3 12.5#



#16
Acetone
Concen: 23.012 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

Tgt Ion: 43 Resp: 40980
Ion Ratio Lower Upper
43 100
58 35.9 28.8 43.2

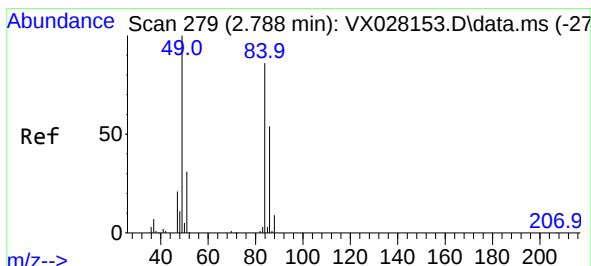
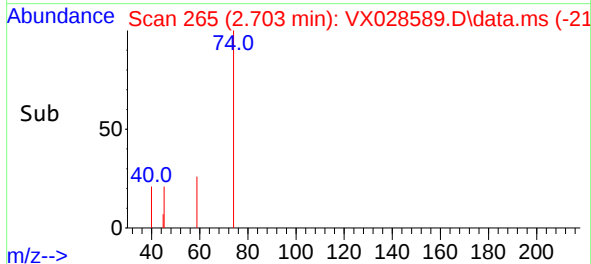
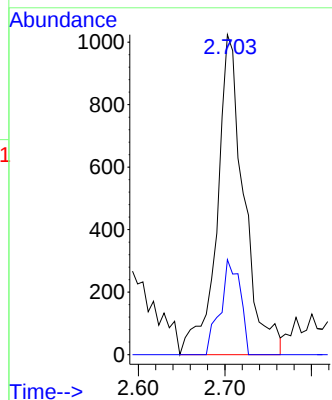
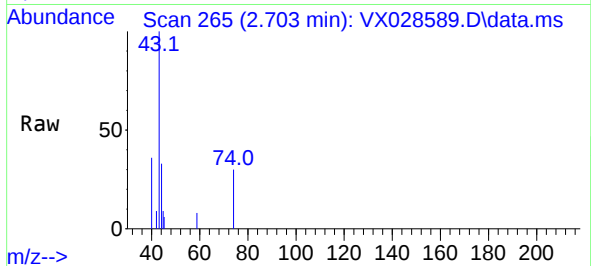




#18
Methyl Acetate
Concen: 0.448 ug/l
RT: 2.703 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

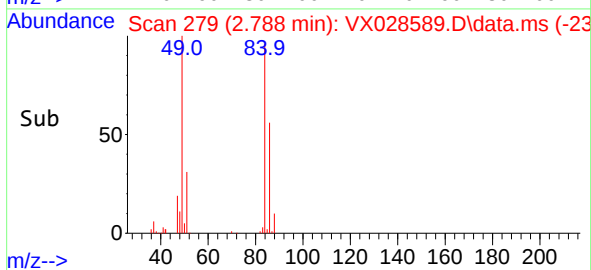
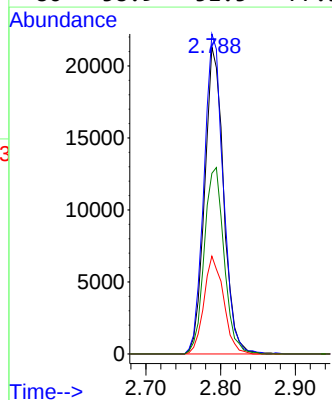
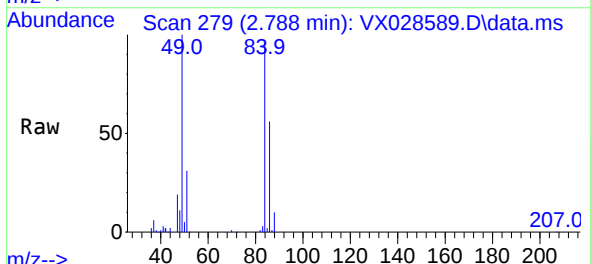
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#02

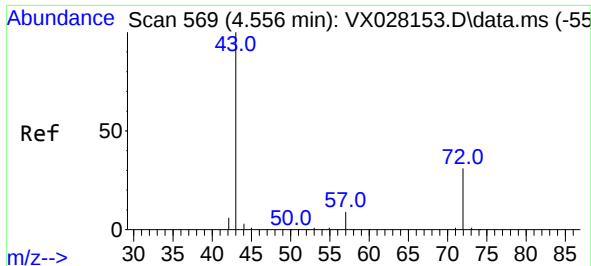
Tgt Ion: 43 Resp: 2203
Ion Ratio Lower Upper
43 100
74 22.0 22.8 34.2#



#20
Methylene Chloride
Concen: 9.129 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

Tgt Ion: 84 Resp: 37431
Ion Ratio Lower Upper
84 100
49 104.3 85.5 128.3
51 31.9 26.6 39.8
86 58.9 51.5 77.3

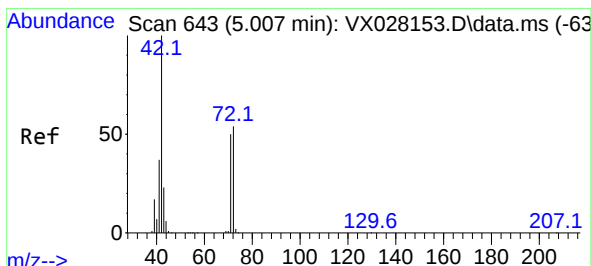
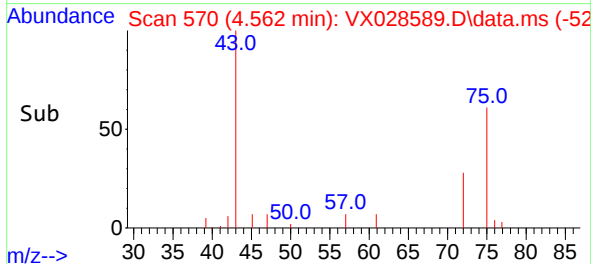
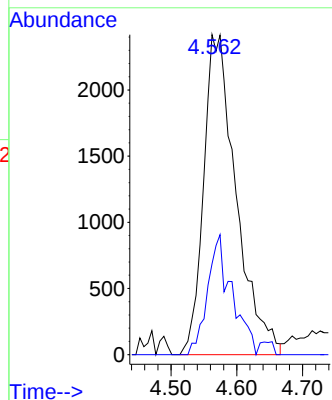
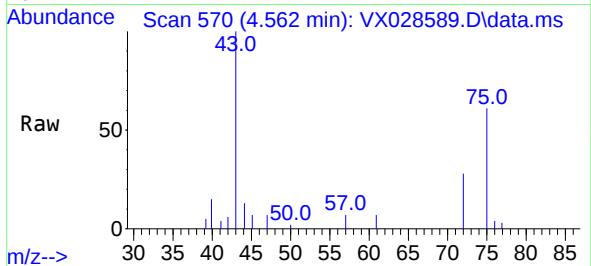




#25
2-Butanone
Concen: 2.538 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

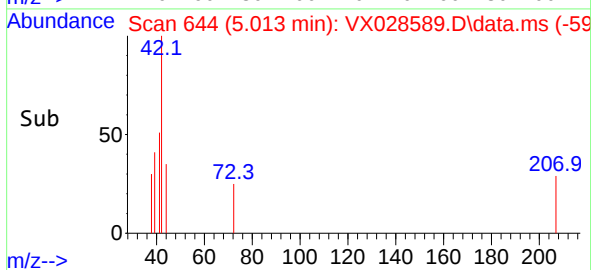
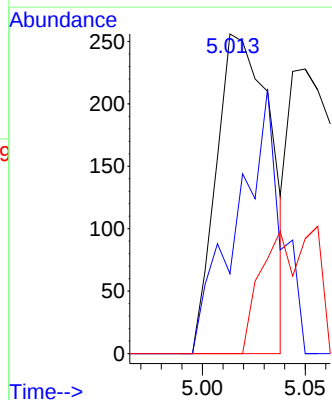
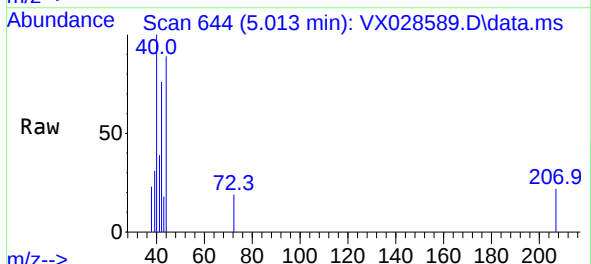
Instrument :
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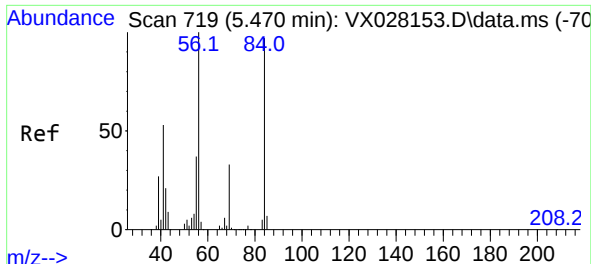
Tgt Ion: 43 Resp: 8305
Ion Ratio Lower Upper
43 100
72 28.4 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.220 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.006 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

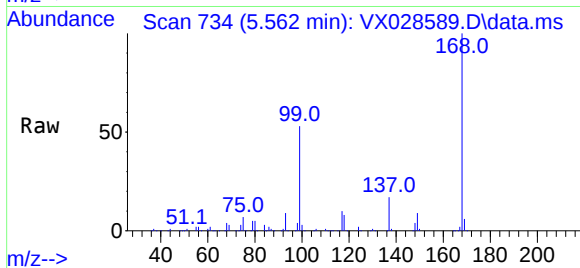
Tgt Ion: 42 Resp: 470
Ion Ratio Lower Upper
42 100
72 67.0 44.1 66.1#
71 0.0 40.5 60.7#



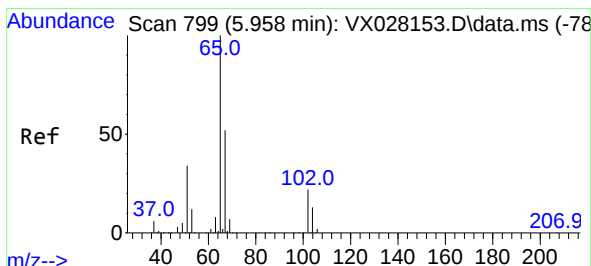
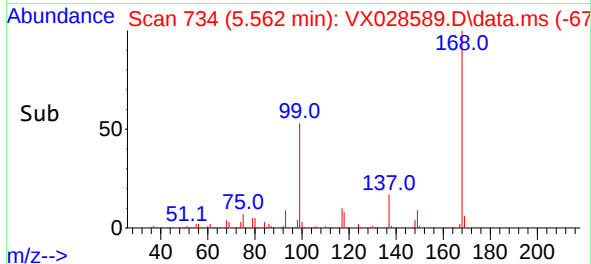
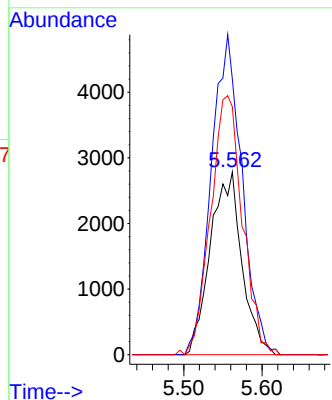


#31
Cyclohexane
Concen: 1.157 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#02

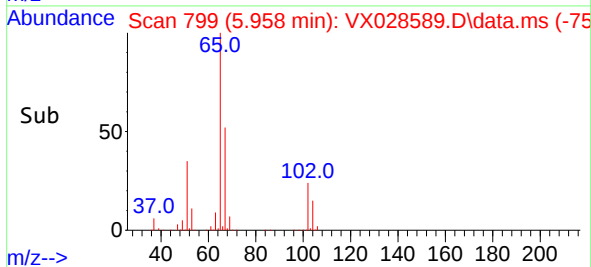
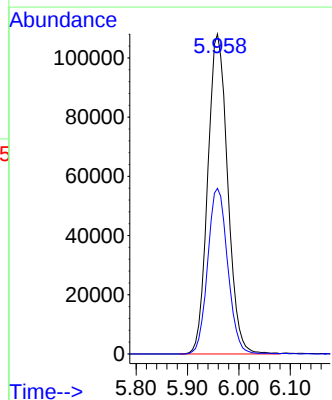
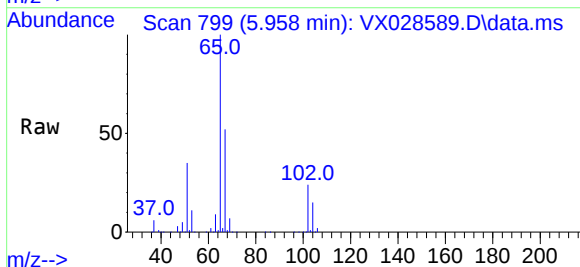


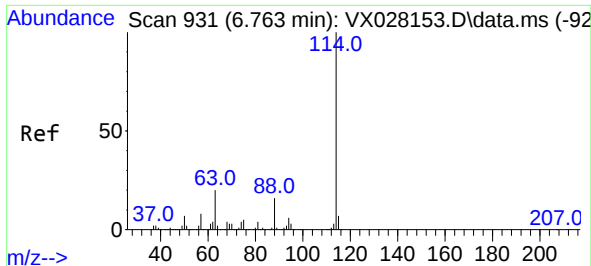
Tgt Ion: 56 Resp: 7788
Ion Ratio Lower Upper
56 100
69 150.8 26.7 40.1#
84 139.6 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 52.592 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

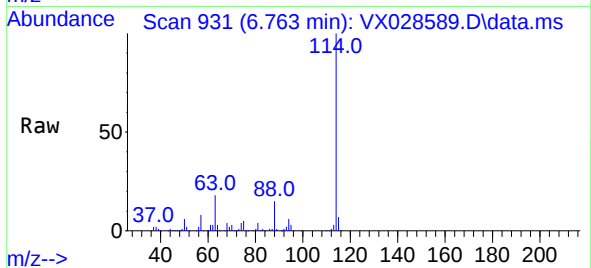
Tgt Ion: 65 Resp: 290623
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.4



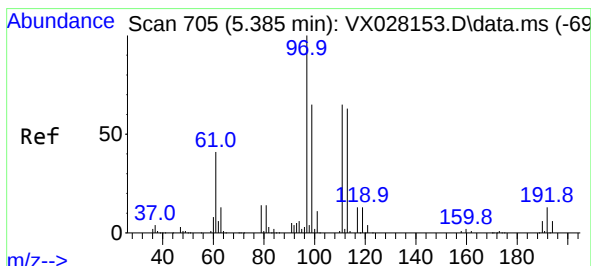
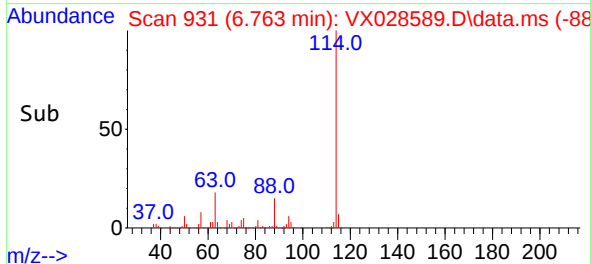
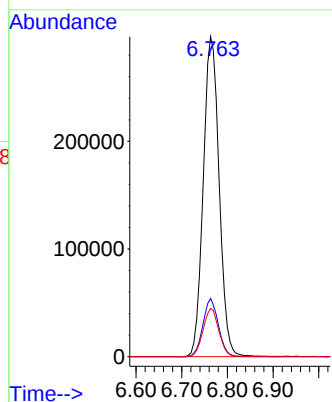


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#02

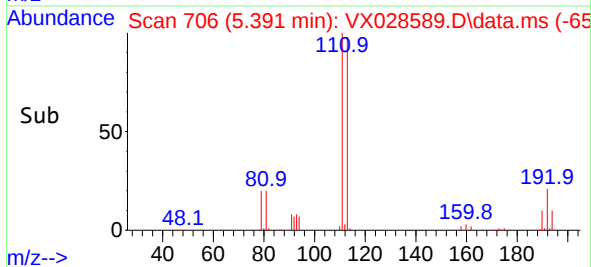
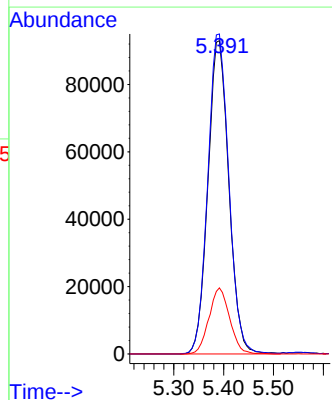
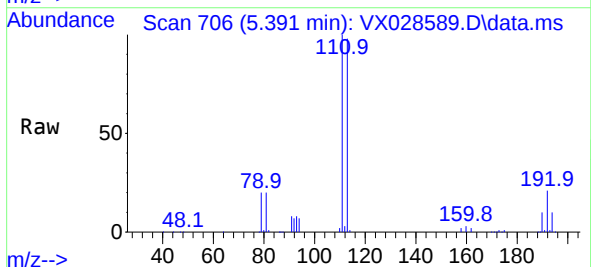


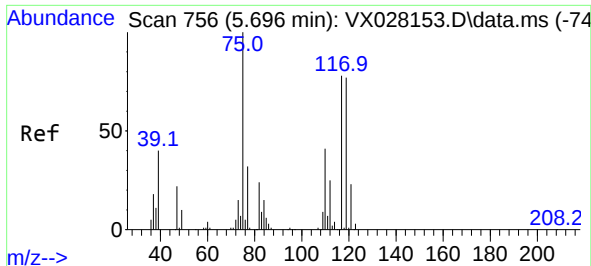
Tgt Ion:114 Resp: 715969
Ion Ratio Lower Upper
114 100
63 18.2 0.0 36.8
88 15.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.963 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

Tgt Ion:113 Resp: 270950
Ion Ratio Lower Upper
113 100
111 102.7 82.8 124.2
192 20.9 16.9 25.3

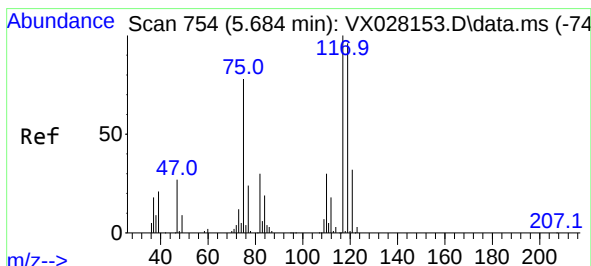
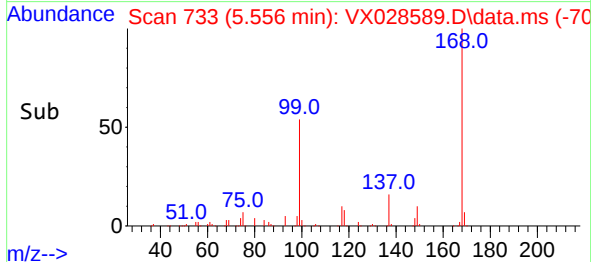
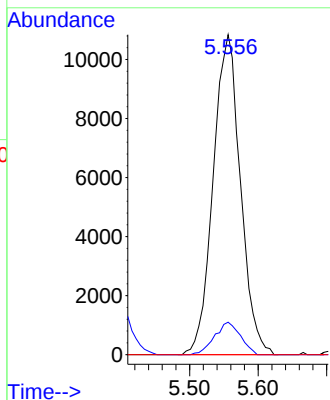
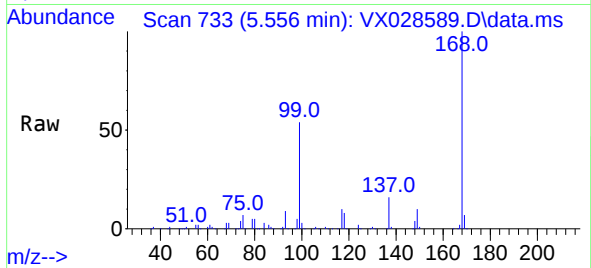




#36
1,1-Dichloropropene
Concen: 4.567 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

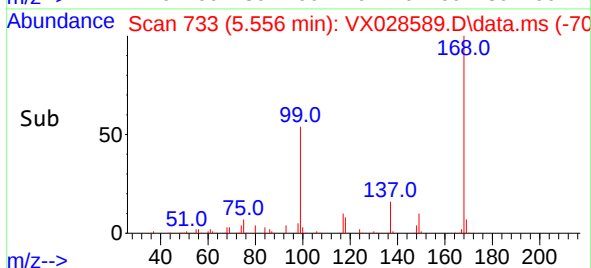
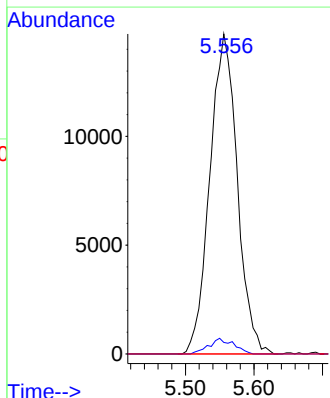
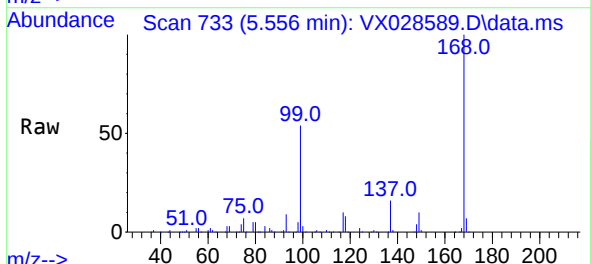
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#02

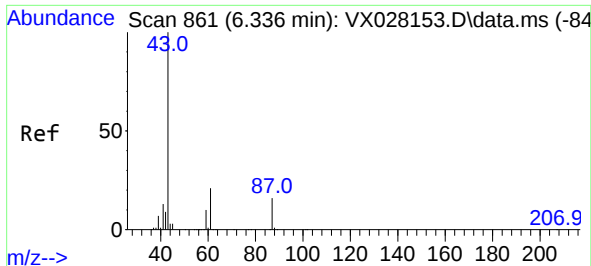
Tgt Ion: 75 Resp: 29909
Ion Ratio Lower Upper
75 100
110 9.6 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.529 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

Tgt Ion: 117 Resp: 40878
Ion Ratio Lower Upper
117 100
119 3.6 77.3 115.9#
121 0.0 24.2 36.2#

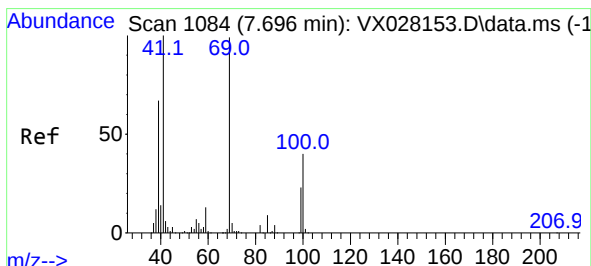
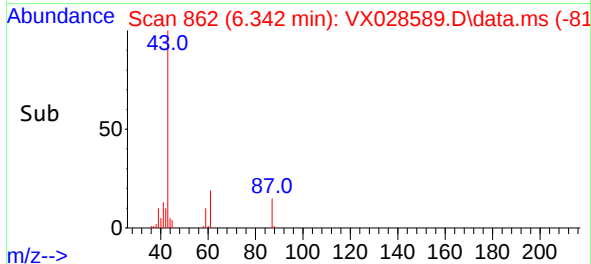
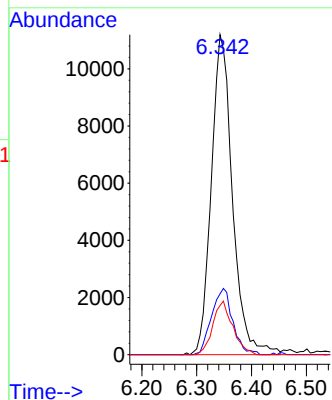
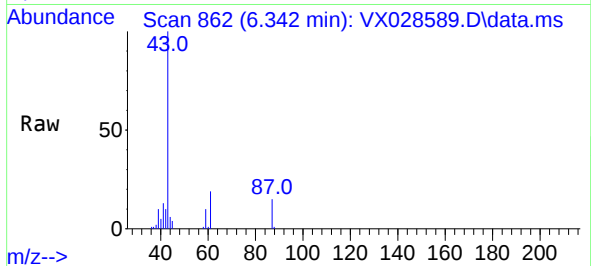




#43
Isopropyl Acetate
Concen: 2.771 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

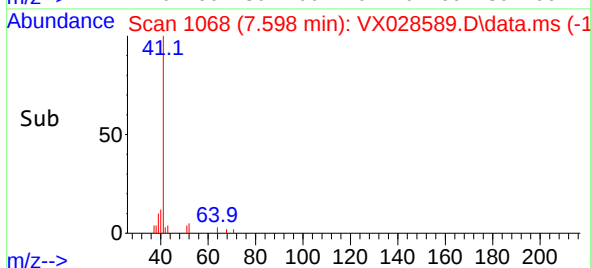
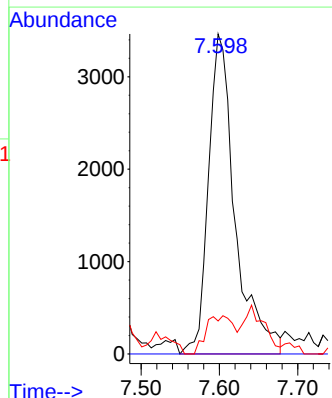
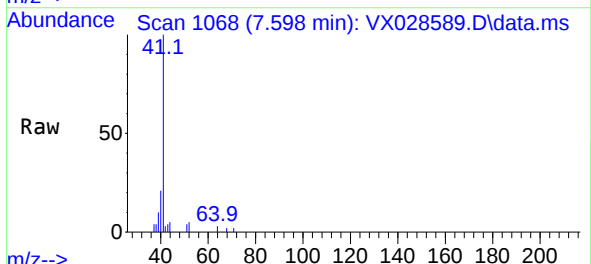
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#02

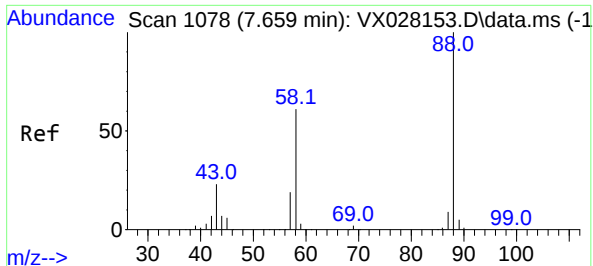
Tgt Ion: 43 Resp: 29972
Ion Ratio Lower Upper
43 100
61 20.8 18.5 27.7
87 15.7 13.0 19.6



#48
Methyl methacrylate
Concen: 1.647 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

Tgt Ion: 41 Resp: 8181
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: 3.305 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX028589.D

Acq: 10 May 2022 12:52

Instrument :

MSVOA_X

ClientSampleId :

PB144702ZHE#02

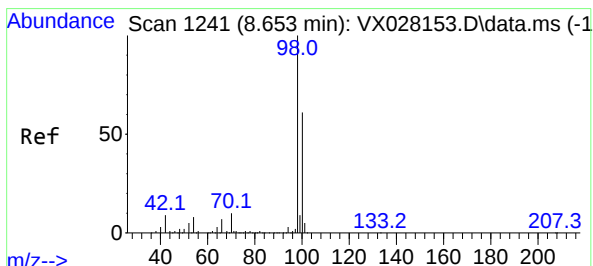
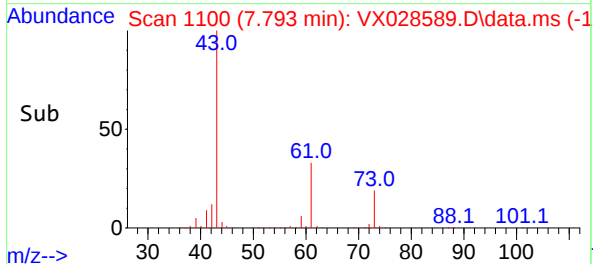
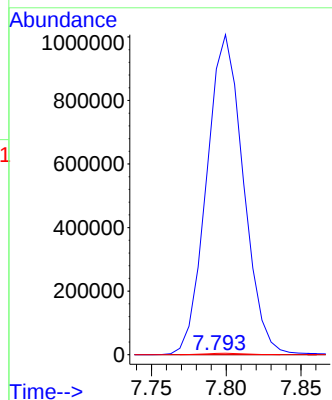
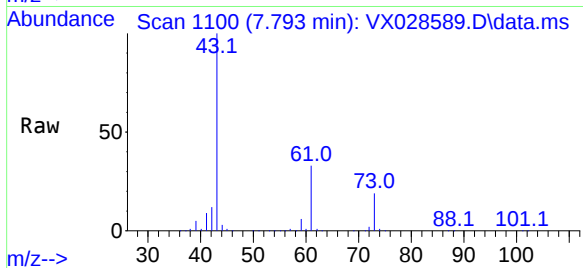
Tgt Ion: 88 Resp: 439

Ion Ratio Lower Upper

88 100

43 394270.2 21.9 32.9#

58 1811.4 53.7 80.5#



#50

Toluene-d8

Concen: 51.631 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX028589.D

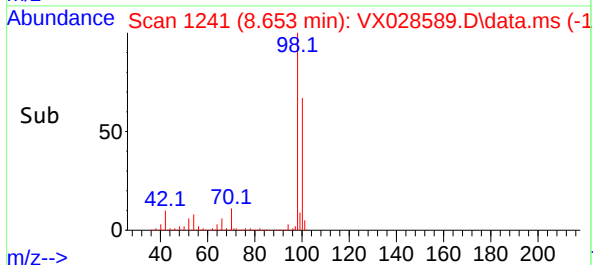
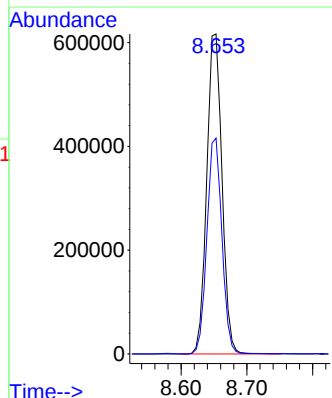
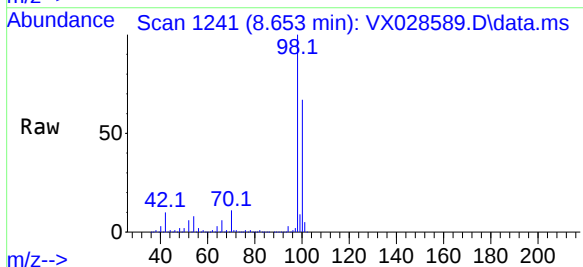
Acq: 10 May 2022 12:52

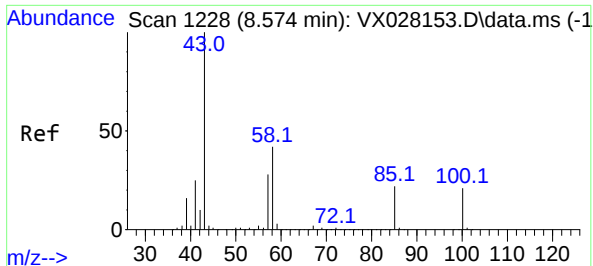
Tgt Ion: 98 Resp: 995689

Ion Ratio Lower Upper

98 100

100 66.3 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 17.059 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028589.D

Acq: 10 May 2022 12:52

Instrument :

MSVOA_X

ClientSampleId :

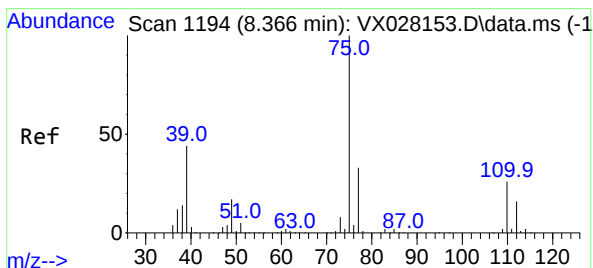
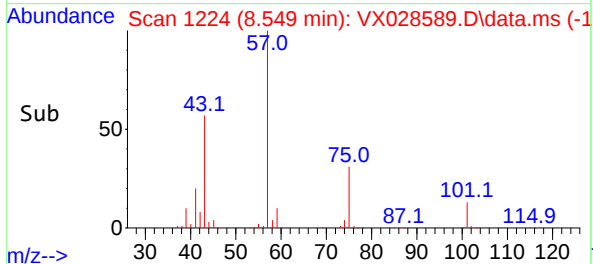
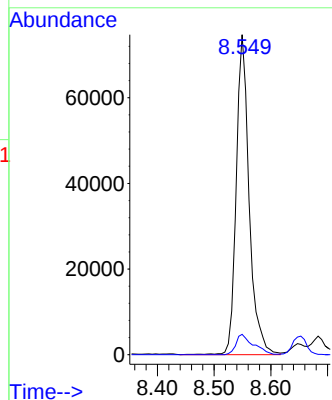
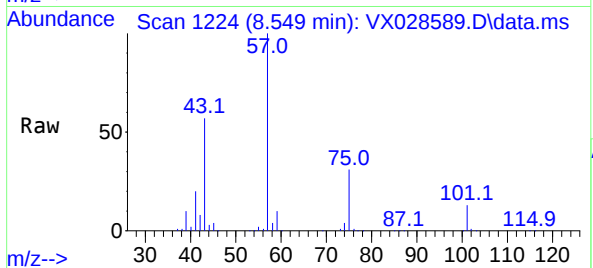
PB144702ZHE#02

Tgt Ion: 43 Resp: 118400

Ion Ratio Lower Upper

43 100

58 8.6 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.517 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028589.D

Acq: 10 May 2022 12:52

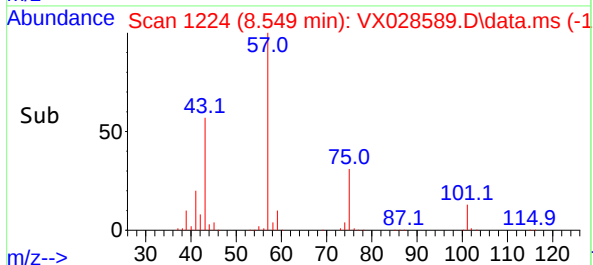
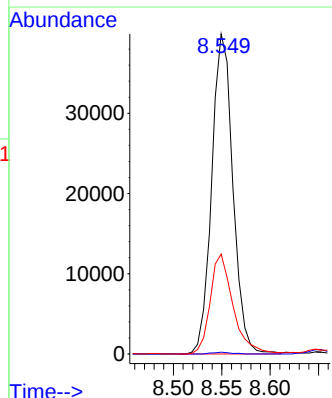
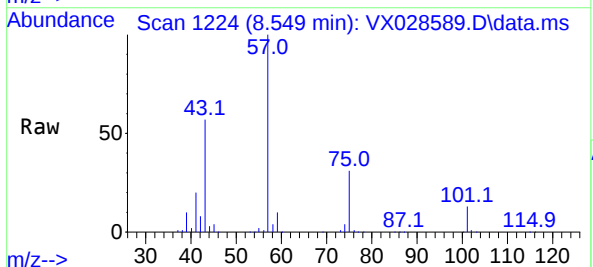
Tgt Ion: 75 Resp: 60700

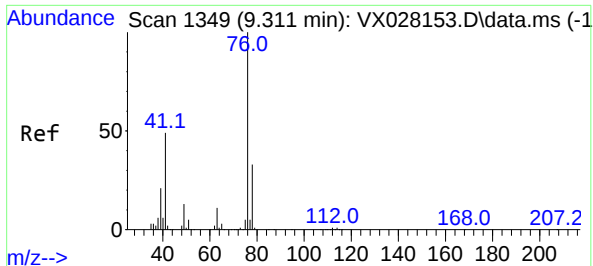
Ion Ratio Lower Upper

75 100

77 0.6 24.8 37.2#

39 31.2 29.6 44.4

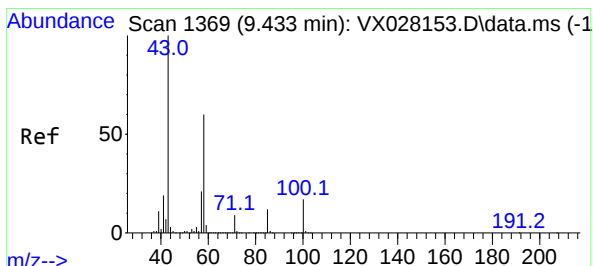
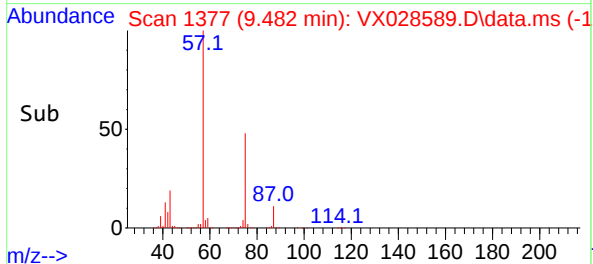
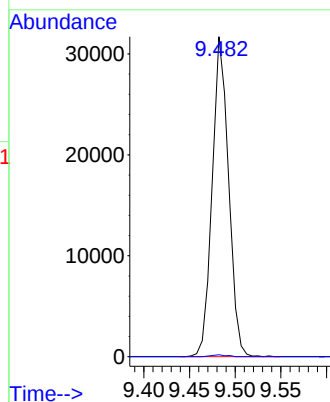
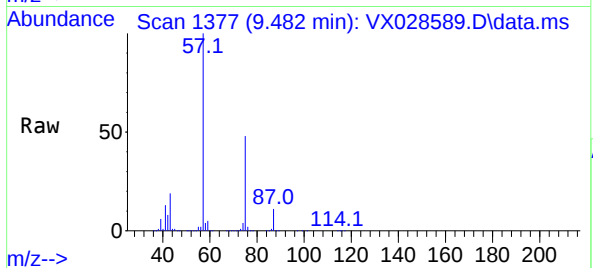




#57
1,3-Dichloropropane
Concen: 4.521 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

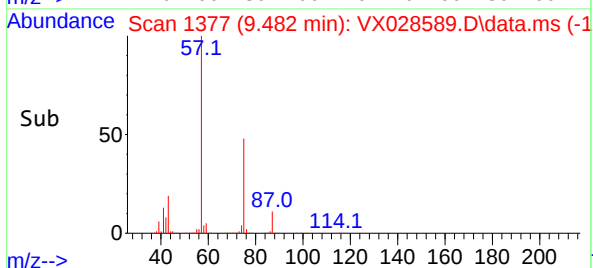
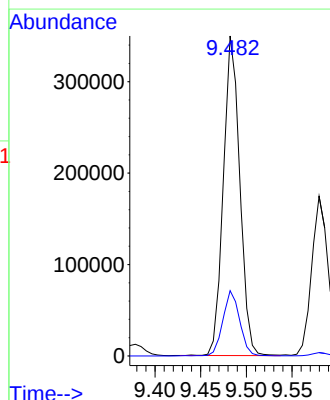
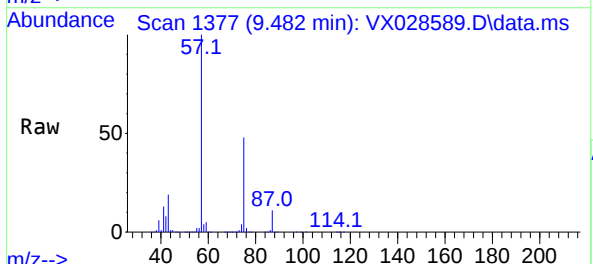
Instrument : MSVOA_X
ClientSampleId : PB144702ZHE#02

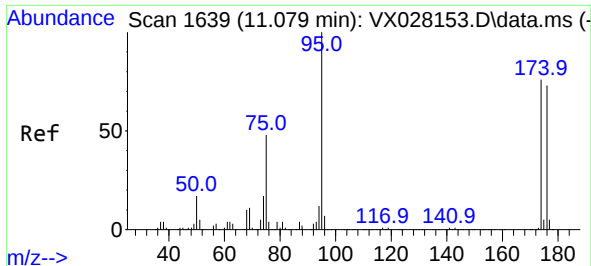
Tgt Ion: 76 Resp: 39488
Ion Ratio Lower Upper
76 100
78 0.6 25.8 38.8#



#59
2-Hexanone
Concen: 81.597 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

Tgt Ion: 43 Resp: 438692
Ion Ratio Lower Upper
43 100
58 20.6 31.9 95.7#

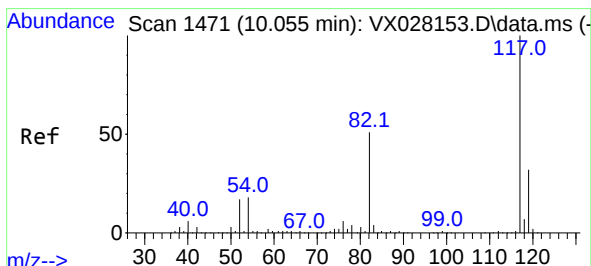
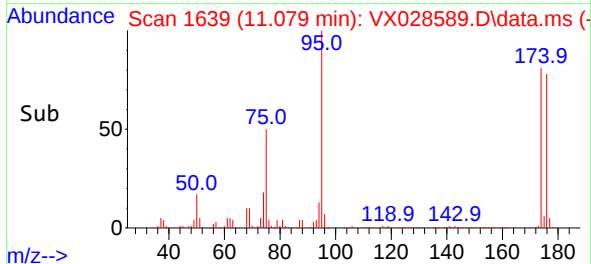
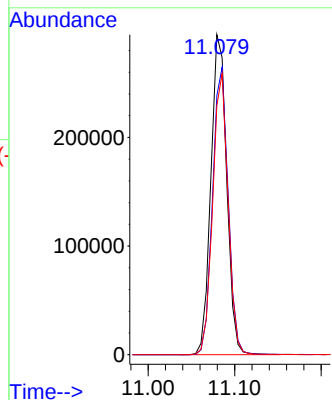
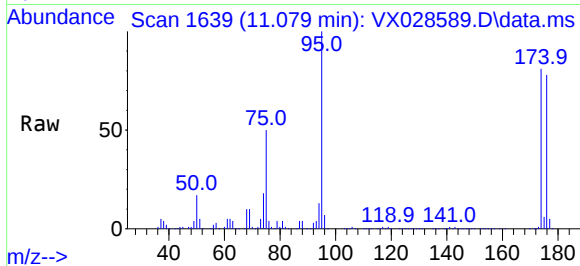




#62
4-Bromofluorobenzene
Concen: 50.743 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

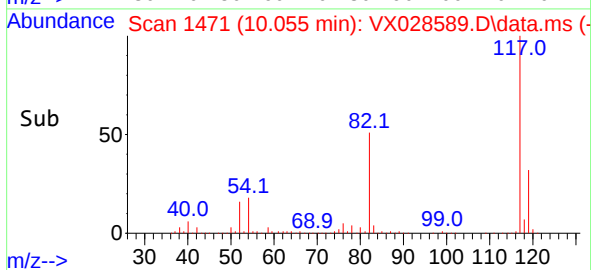
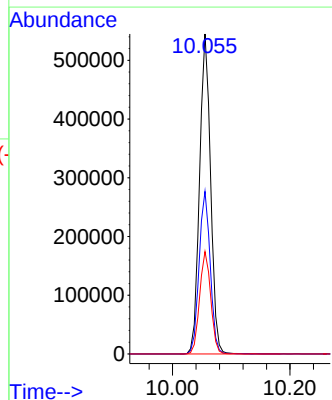
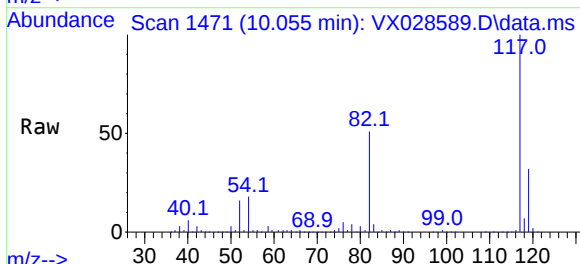
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#02

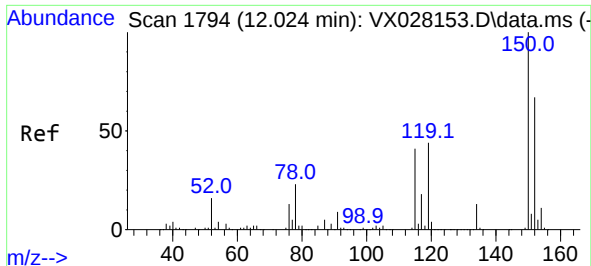
Tgt Ion: 95 Resp: 374166
Ion Ratio Lower Upper
95 100
174 88.5 0.0 163.0
176 85.5 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

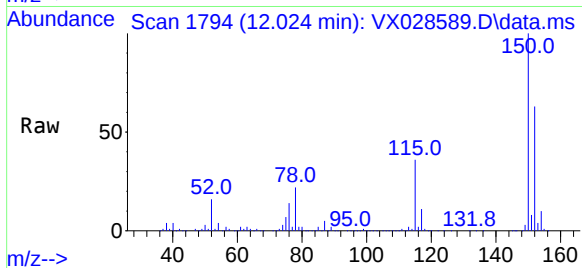
Tgt Ion: 117 Resp: 711012
Ion Ratio Lower Upper
117 100
82 50.8 41.8 62.8
119 32.0 24.8 37.2



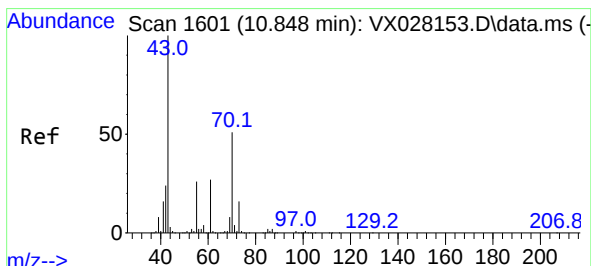
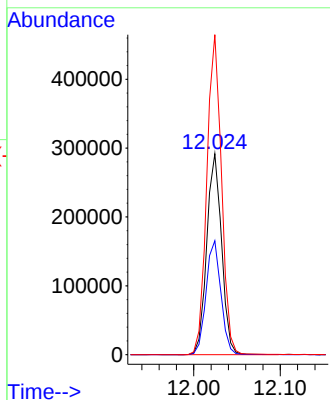
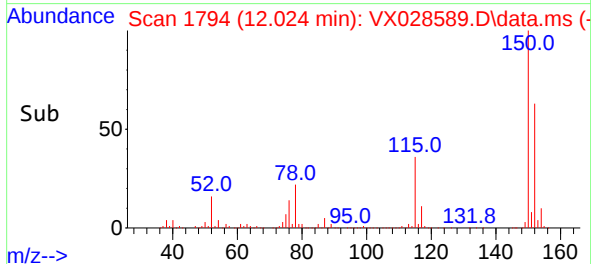


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

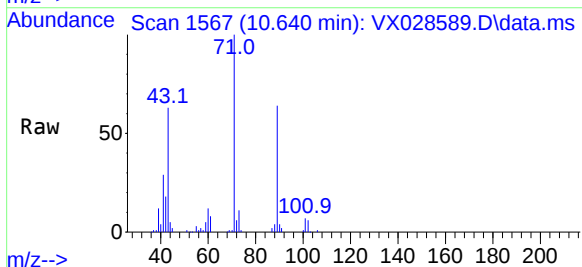
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#02



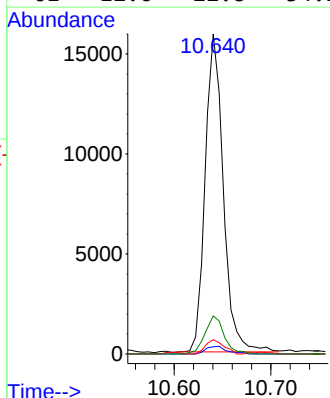
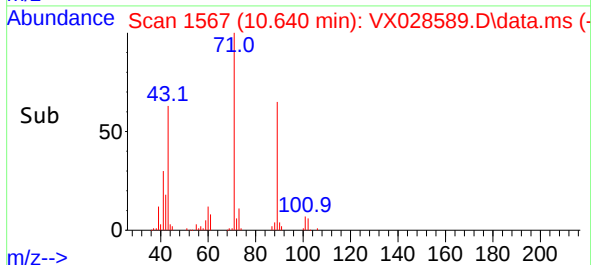
Tgt Ion:152 Resp: 347066
Ion Ratio Lower Upper
152 100
115 56.9 37.5 112.7
150 157.6 0.0 338.2

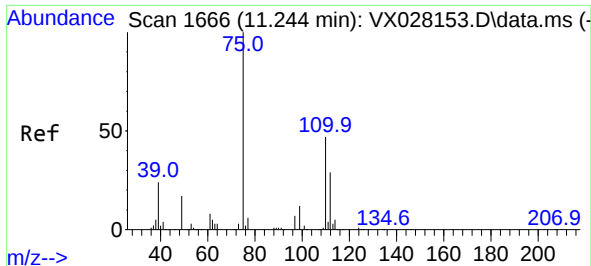


#74
N-ethyl acetate
Concen: 2.522 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.208 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52



Tgt Ion: 43 Resp: 20797
Ion Ratio Lower Upper
43 100
70 2.7 42.5 63.7#
55 4.5 23.1 34.7#
61 12.6 22.8 34.2#

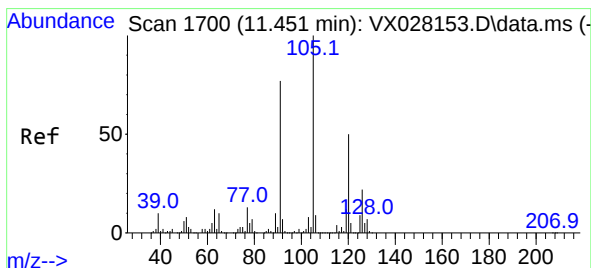
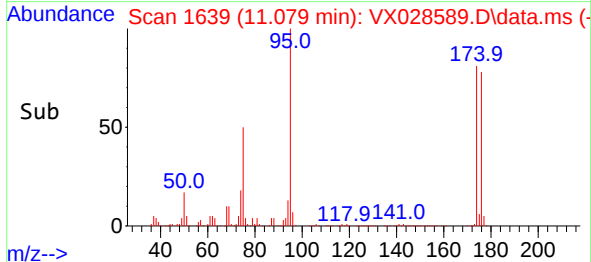
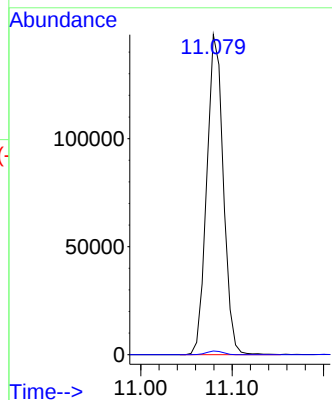
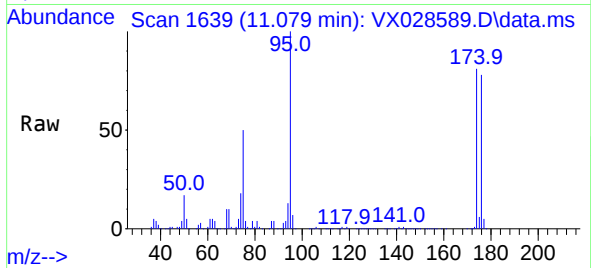




#76
1,2,3-Trichloropropane
Concen: 27.232 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.165 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

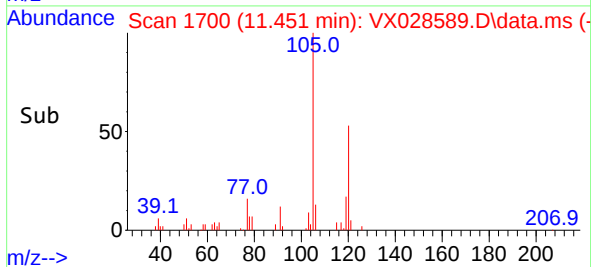
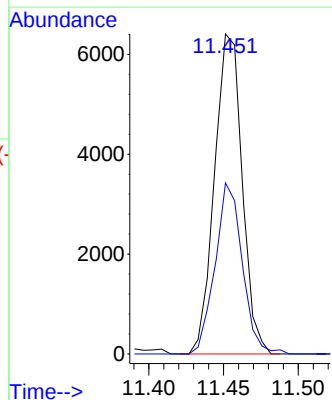
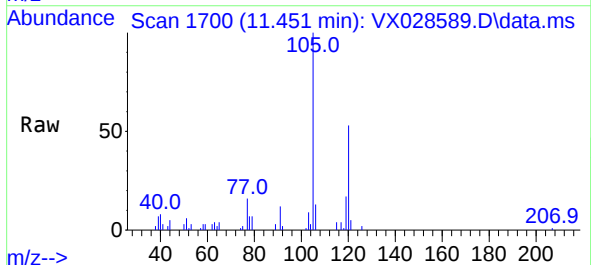
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#02

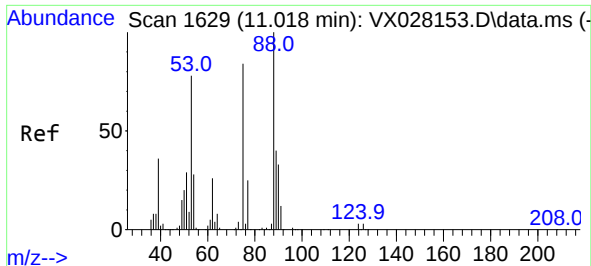
Tgt Ion: 75 Resp: 186010
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.407 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028589.D
Acq: 10 May 2022 12:52

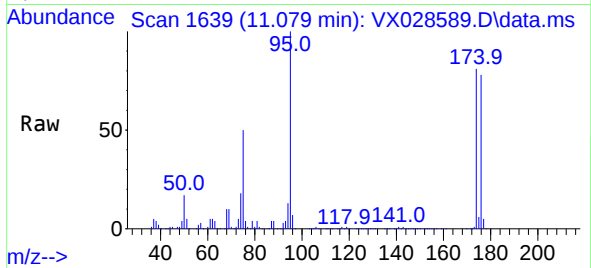
Tgt Ion:105 Resp: 8242
Ion Ratio Lower Upper
105 100
120 52.5 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.927 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028589.D
 Acq: 10 May 2022 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702ZHE#02



Tgt Ion: 75 Resp: 186010
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

