

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122122\
 Data File : VX033530.D
 Acq On : 21 Dec 2022 13:11
 Operator : JC/MD
 Sample : PB149803TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149803TB

Quant Time: Dec 22 03:57:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

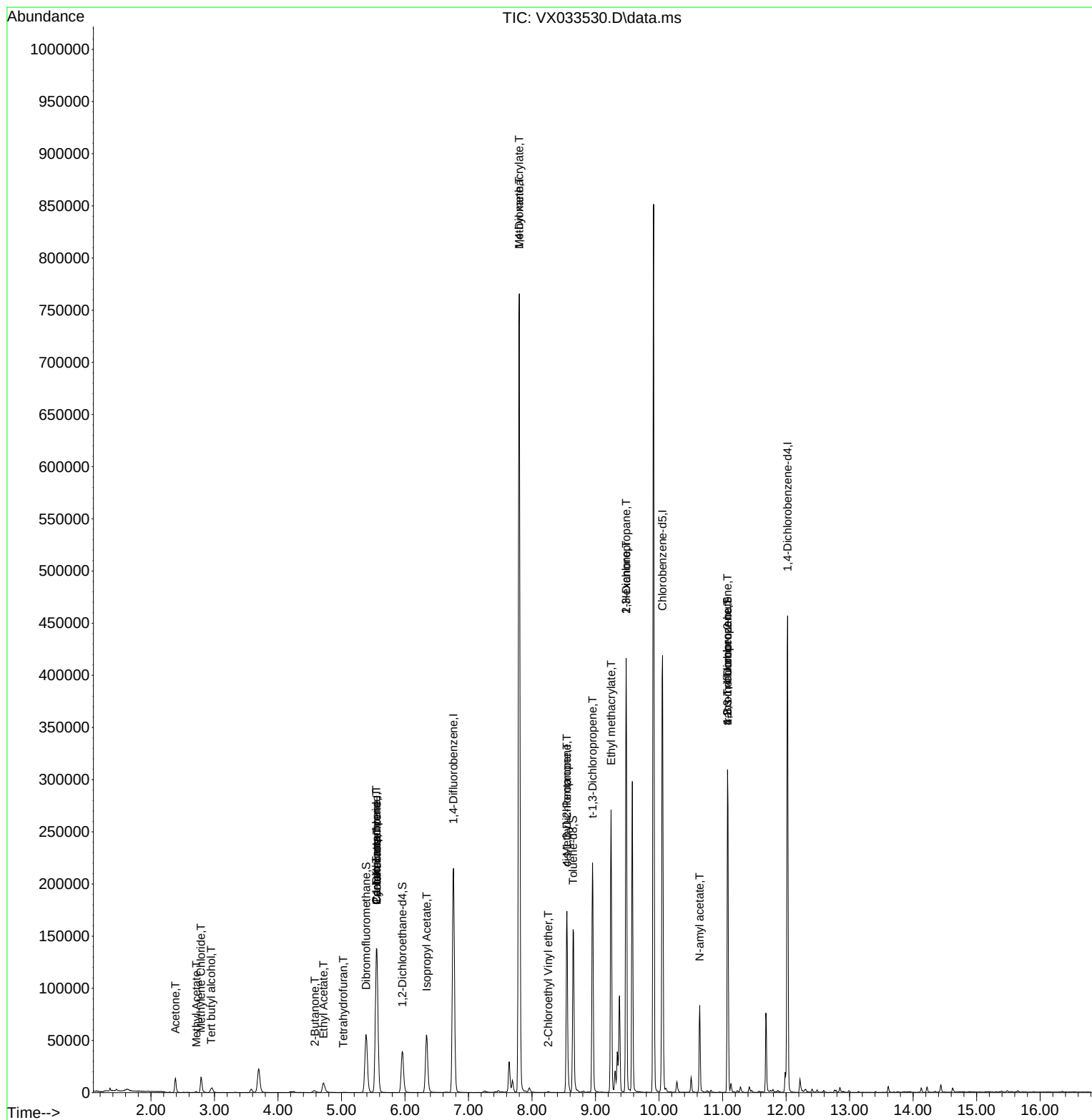
Internal Standards						
1) Pentafluorobenzene	5.556	168	135858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	228665	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	40914	46.943	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.880%		
35) Dibromofluoromethane	5.385	113	47961	46.632	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.260%		
50) Toluene-d8	8.647	98	97771	45.442	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.880%#		
62) 4-Bromofluorobenzene	11.079	95	81127	49.314	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.620%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	2028	7.611	ug/l #	75
16) Acetone	2.386	43	15170	23.521	ug/l	98
18) Methyl Acetate	2.715	43	1131	0.606	ug/l #	87
20) Methylene Chloride	2.788	84	7348	5.109	ug/l	94
25) 2-Butanone	4.580	43	1807	1.952	ug/l	91
29) Tetrahydrofuran	5.025	42	214	0.357	ug/l #	31
31) Cyclohexane	5.556	56	2765	1.335	ug/l #	11
36) 1,1-Dichloropropene	5.550	75	9863	4.919	ug/l #	50
37) Ethyl Acetate	4.715	43	16372	8.637	ug/l	97
38) Carbon Tetrachloride	5.550	117	13795	6.140	ug/l #	14
43) Isopropyl Acetate	6.342	43	74929	24.568	ug/l	97
48) Methyl methacrylate	7.799	41	65911	41.874	ug/l #	42
49) 1,4-Dioxane	7.799	88	22	0.613	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	60537	31.388	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	523	2.714	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28378	12.011	ug/l #	55
56) Ethyl methacrylate	9.244	69	615	0.275	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3676	1.440	ug/l #	42
58) 2-Chloroethyl Vinyl ether	8.257	63	492	0.481	ug/l #	54
59) 2-Hexanone	9.482	43	49730	34.989	ug/l #	52
74) N-amyl acetate	10.640	43	20523	8.268	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	39976	19.576	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	39976	60.894	ug/l #	6

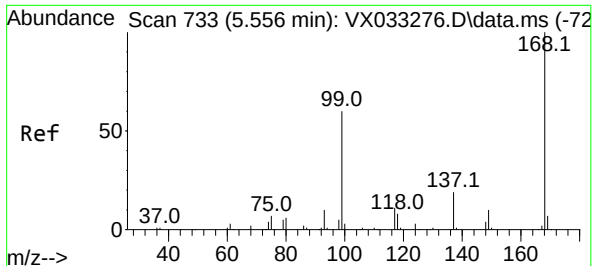
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration

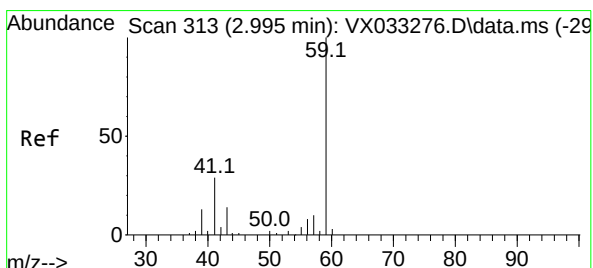
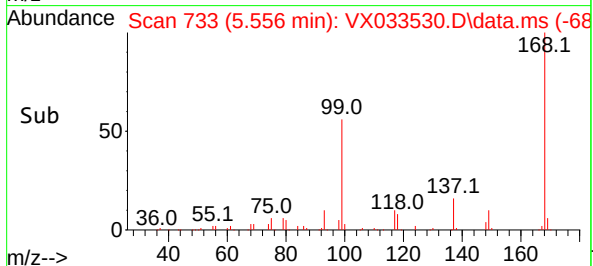
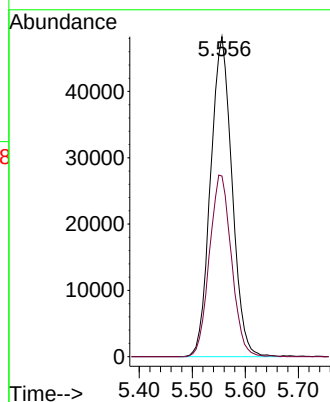
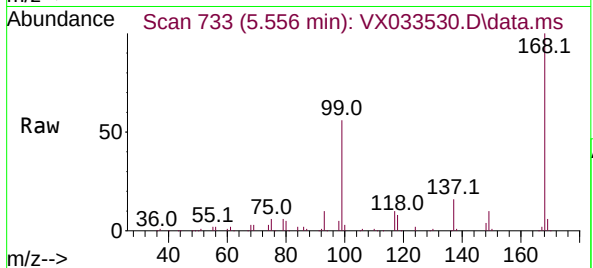




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033530.D
Acq: 21 Dec 2022 13:11

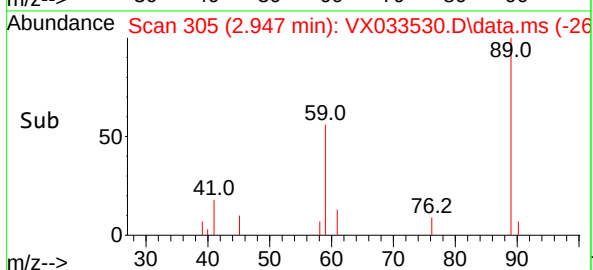
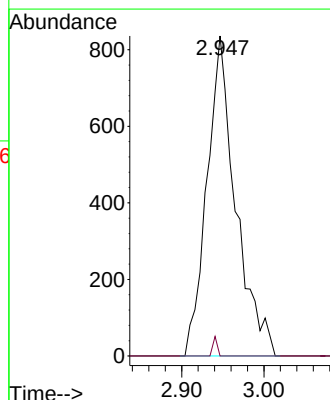
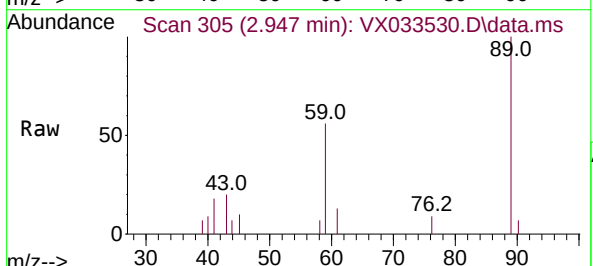
Instrument :
MSVOA_X
ClientSampleId :
PB149803TB

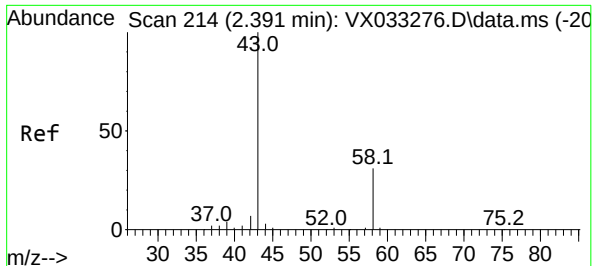
Tgt Ion:168 Resp: 135858
Ion Ratio Lower Upper
168 100
99 56.5 46.1 69.1



#11
Tert butyl alcohol
Concen: 7.611 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.048 min
Lab File: VX033530.D
Acq: 21 Dec 2022 13:11

Tgt Ion: 59 Resp: 2028
Ion Ratio Lower Upper
59 100
57 0.9 8.2 12.4#

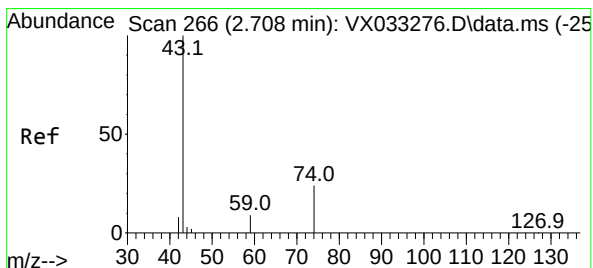
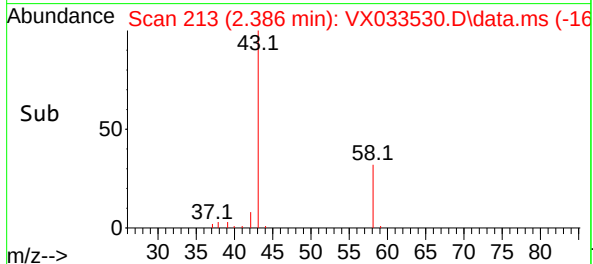
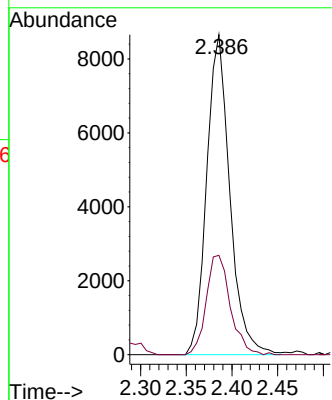
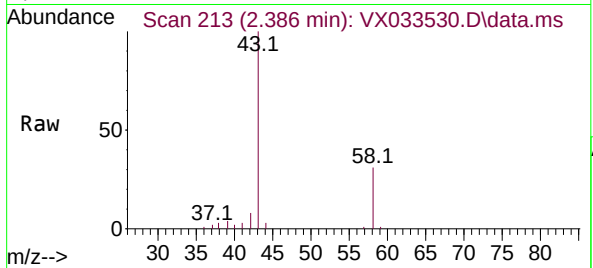




#16
Acetone
Concen: 23.521 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX033530.D
Acq: 21 Dec 2022 13:11

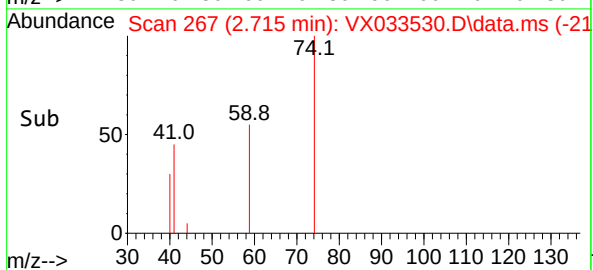
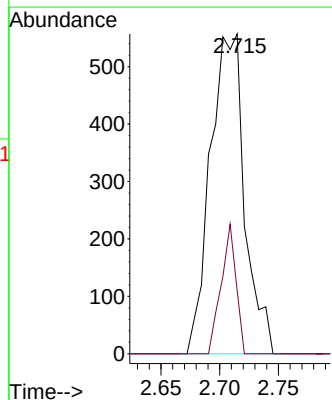
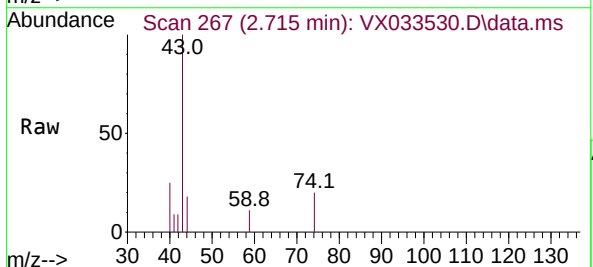
Instrument :
MSVOA_X
ClientSampleId :
PB149803TB

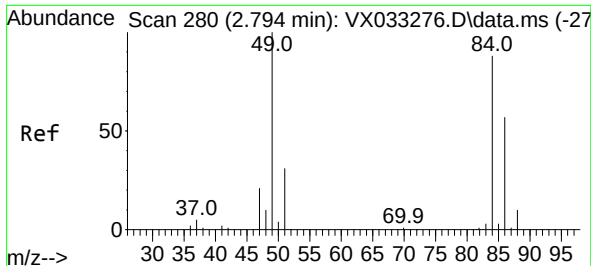
Tgt Ion: 43 Resp: 15170
Ion Ratio Lower Upper
43 100
58 31.0 23.8 35.8



#18
Methyl Acetate
Concen: 0.606 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX033530.D
Acq: 21 Dec 2022 13:11

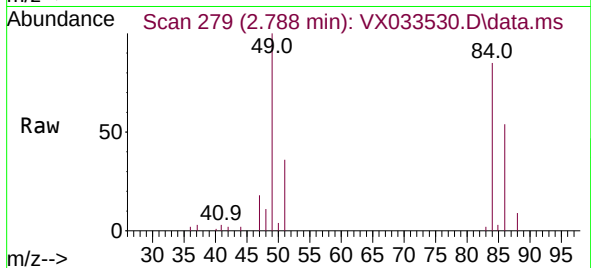
Tgt Ion: 43 Resp: 1131
Ion Ratio Lower Upper
43 100
74 17.6 19.4 29.0#



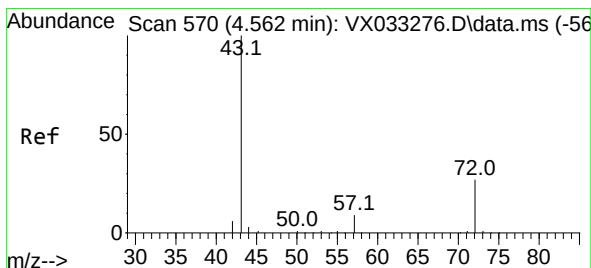
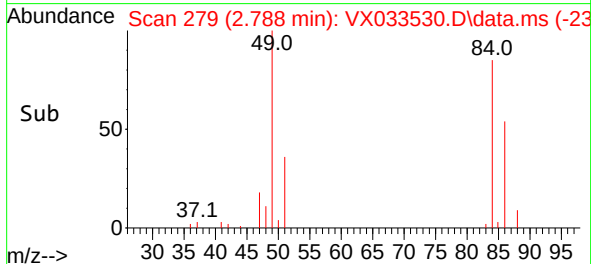
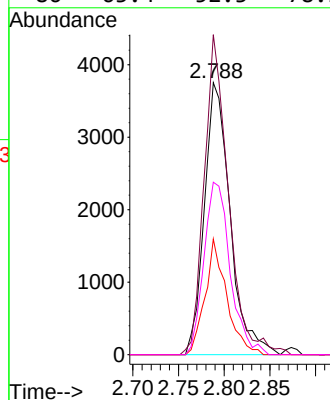


#20
Methylene Chloride
Concen: 5.109 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX033530.D
Acq: 21 Dec 2022 13:11

Instrument :
MSVOA_X
ClientSampleId :
PB149803TB

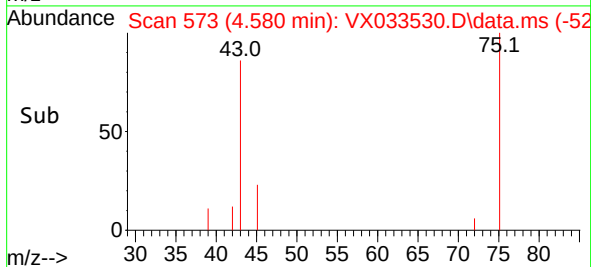
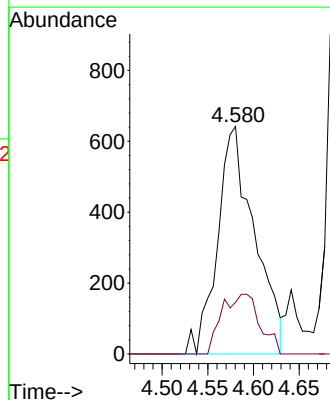
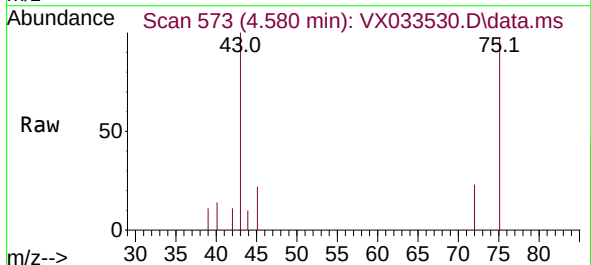


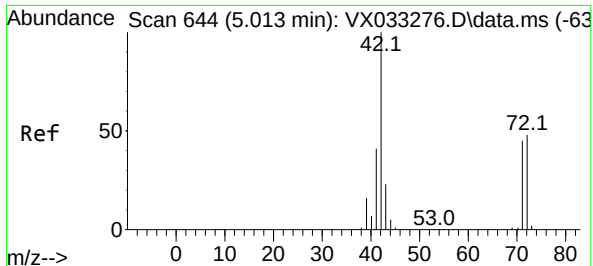
Tgt Ion:	84	Resp:	7348
Ion	Ratio	Lower	Upper
84	100		
49	117.6	101.0	151.6
51	42.5	31.1	46.7
86	63.4	52.3	78.5



#25
2-Butanone
Concen: 1.952 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.019 min
Lab File: VX033530.D
Acq: 21 Dec 2022 13:11

Tgt Ion:	43	Resp:	1807
Ion	Ratio	Lower	Upper
43	100		
72	22.7	22.2	33.2





#29

Tetrahydrofuran

Concen: 0.357 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.013 min

Lab File: VX033530.D

Acq: 21 Dec 2022 13:11

Instrument :

MSVOA_X

ClientSampleId :

PB149803TB

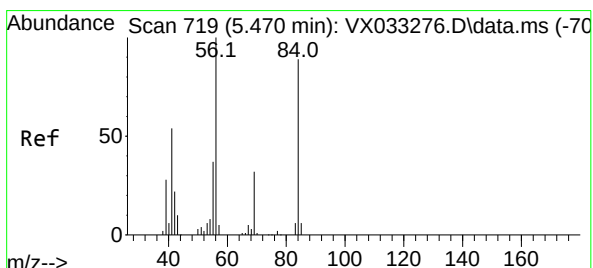
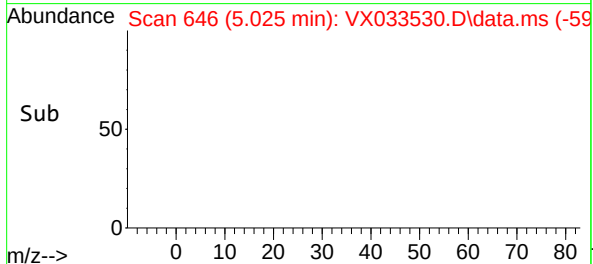
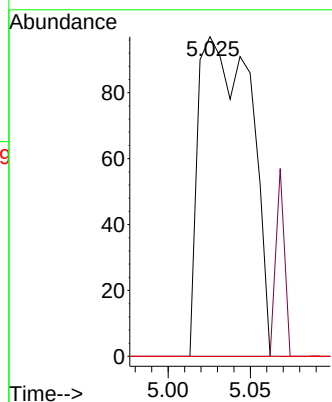
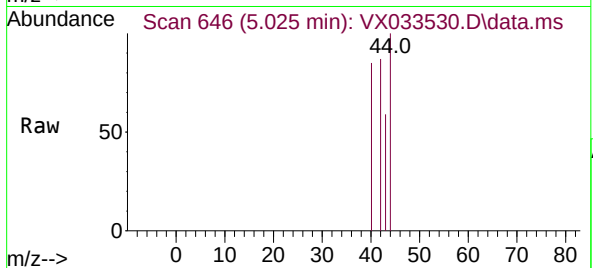
Tgt Ion: 42 Resp: 214

Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

71 0.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.335 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX033530.D

Acq: 21 Dec 2022 13:11

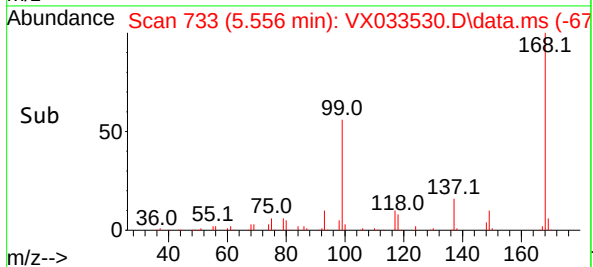
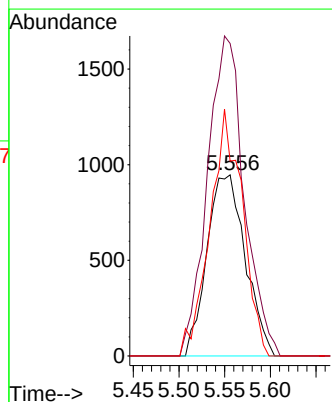
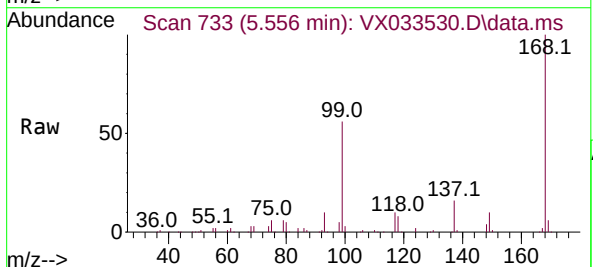
Tgt Ion: 56 Resp: 2765

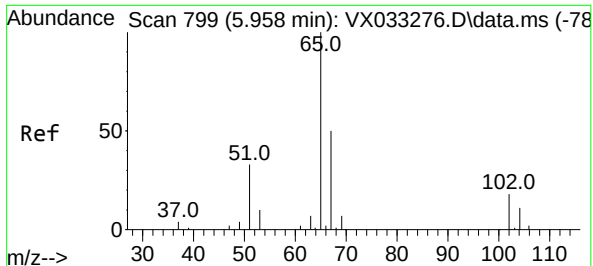
Ion Ratio Lower Upper

56 100

69 172.5 24.1 36.1#

84 107.6 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 46.943 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033530.D

Acq: 21 Dec 2022 13:11

Instrument :

MSVOA_X

ClientSampleId :

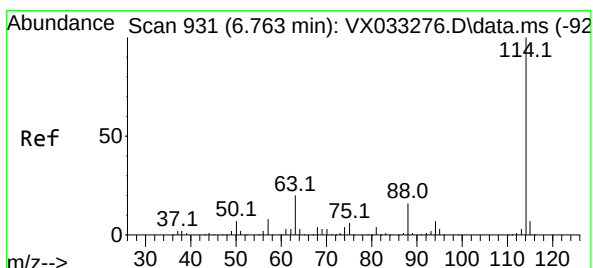
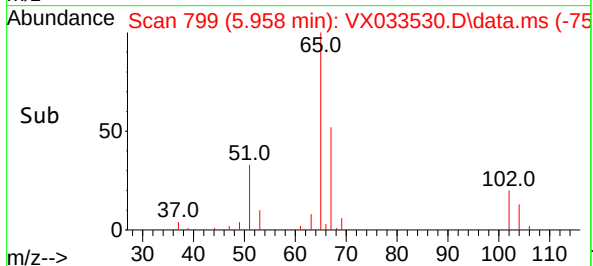
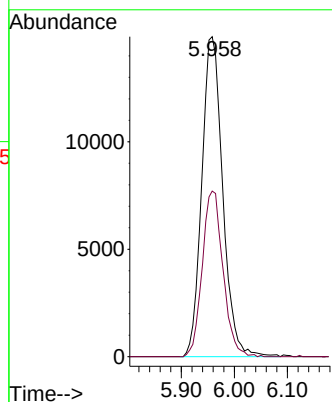
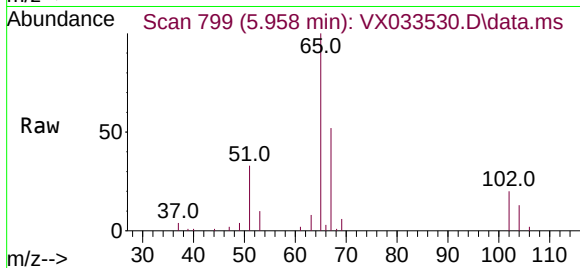
PB149803TB

Tgt Ion: 65 Resp: 40914

Ion Ratio Lower Upper

65 100

67 51.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033530.D

Acq: 21 Dec 2022 13:11

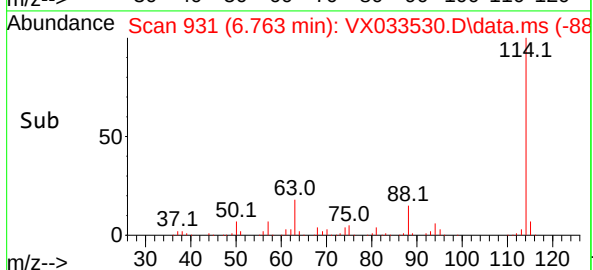
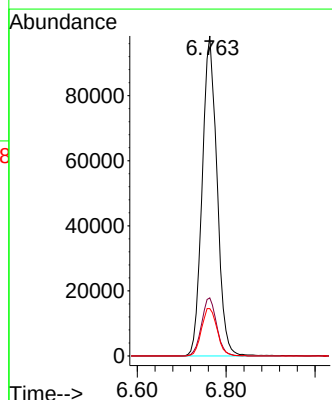
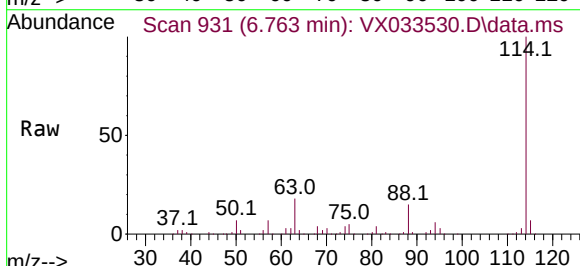
Tgt Ion: 114 Resp: 228665

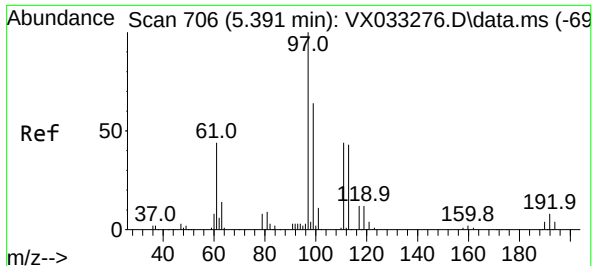
Ion Ratio Lower Upper

114 100

63 18.1 0.0 41.6

88 14.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 46.632 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX033530.D

Acq: 21 Dec 2022 13:11

Instrument :

MSVOA_X

ClientSampleId :

PB149803TB

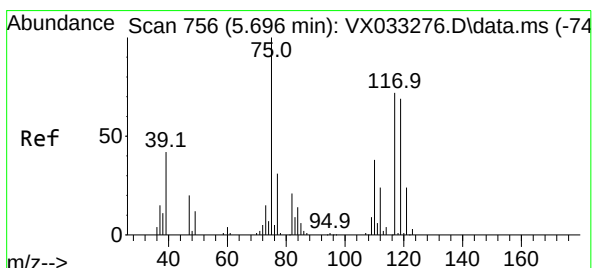
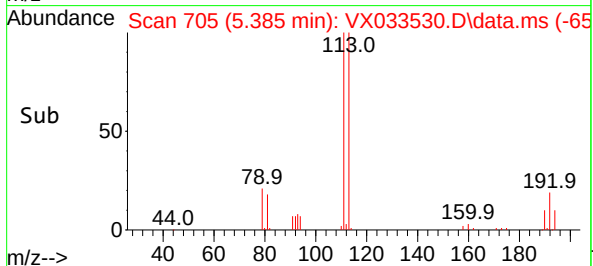
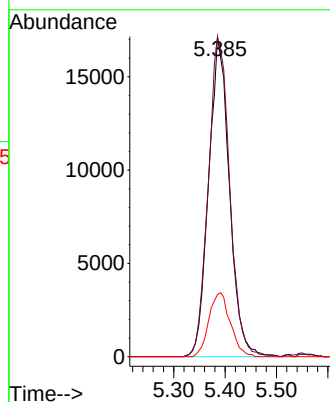
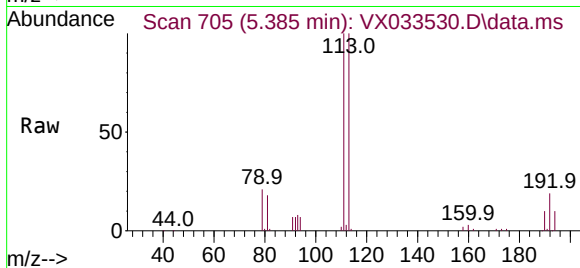
Tgt Ion:113 Resp: 47961

Ion Ratio Lower Upper

113 100

111 103.9 82.4 123.6

192 20.7 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.919 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033530.D

Acq: 21 Dec 2022 13:11

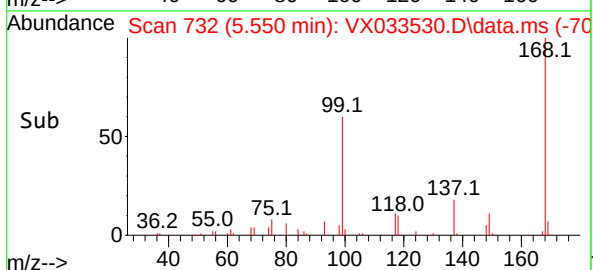
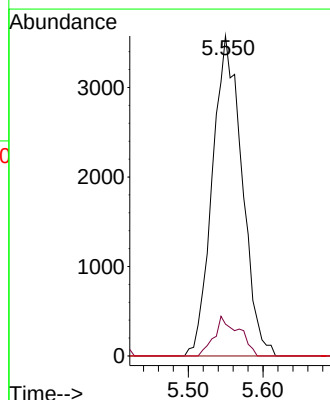
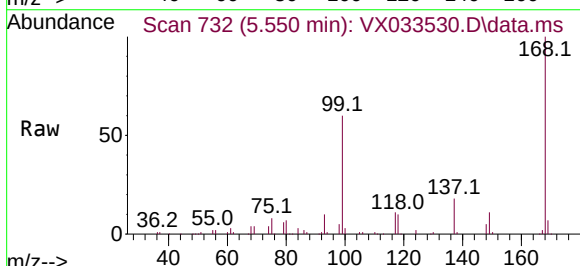
Tgt Ion: 75 Resp: 9863

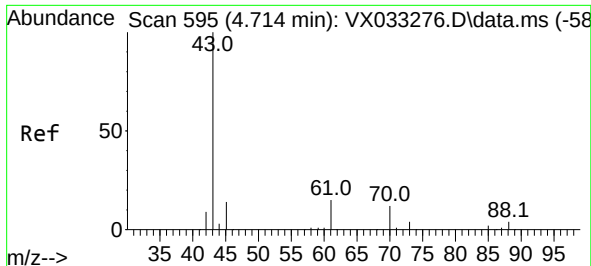
Ion Ratio Lower Upper

75 100

110 10.3 18.4 55.2#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 8.637 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX033530.D

Acq: 21 Dec 2022 13:11

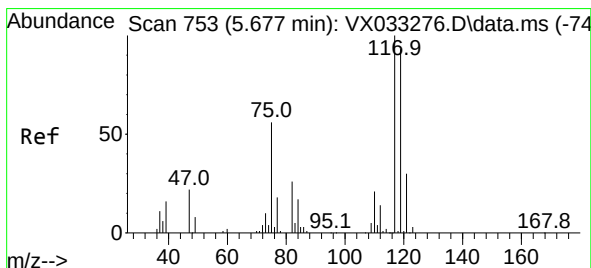
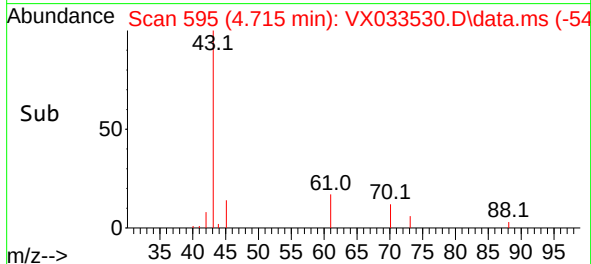
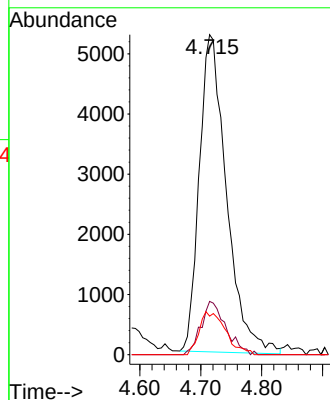
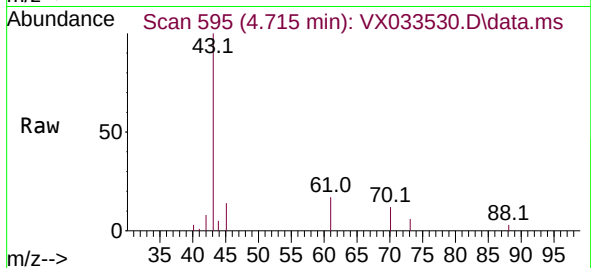
Instrument :

MSVOA_X

ClientSampleId :

PB149803TB

Tgt Ion:	43	Resp:	16372
Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.5	17.3
70	13.1	9.1	13.7



#38

Carbon Tetrachloride

Concen: 6.140 ug/l

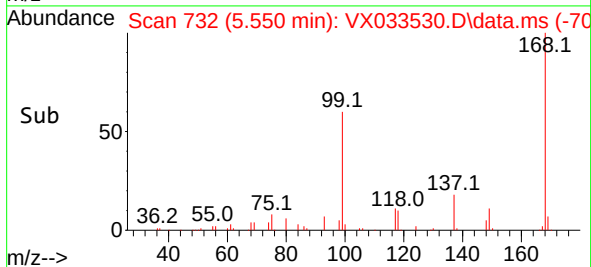
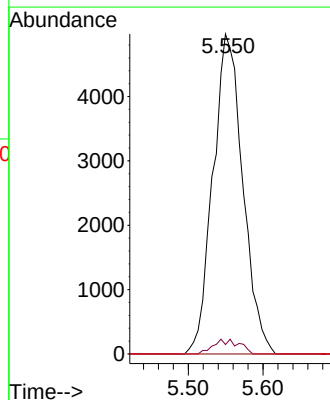
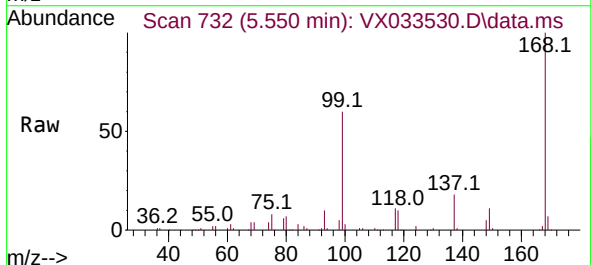
RT: 5.550 min Scan# 732

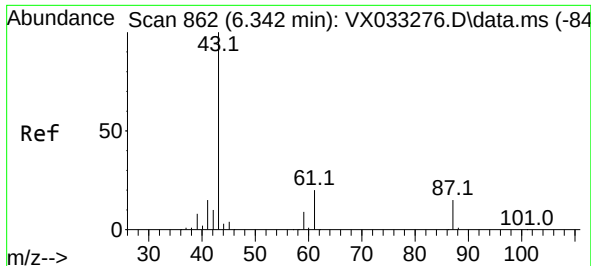
Delta R.T. -0.128 min

Lab File: VX033530.D

Acq: 21 Dec 2022 13:11

Tgt Ion:	117	Resp:	13795
Ion	Ratio	Lower	Upper
117	100		
119	3.0	77.2	115.8#
121	0.0	25.8	38.6#

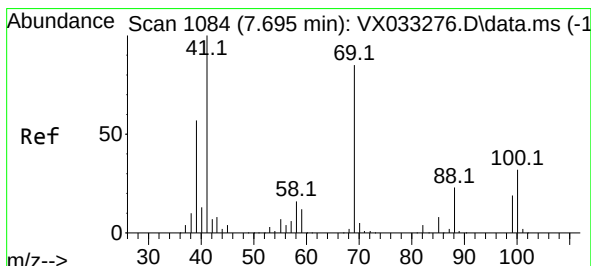
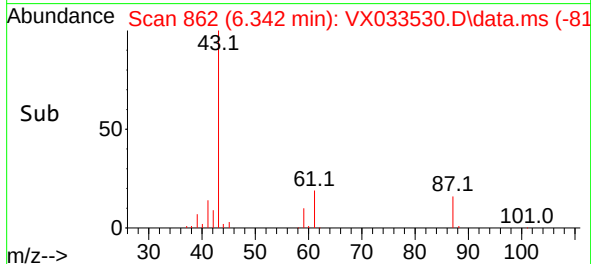
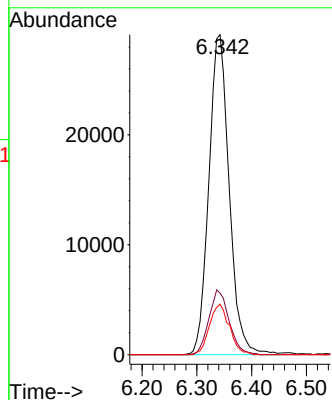
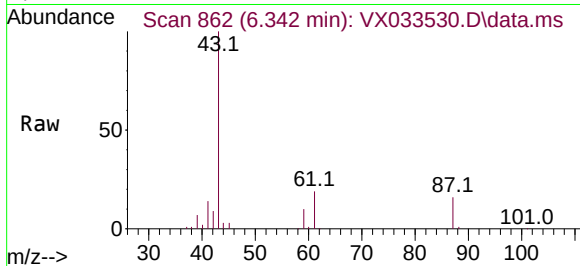




#43
Isopropyl Acetate
Concen: 24.568 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX033530.D
Acq: 21 Dec 2022 13:11

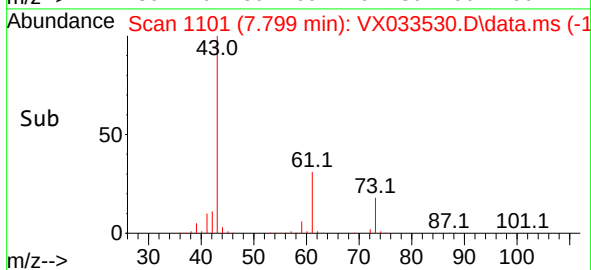
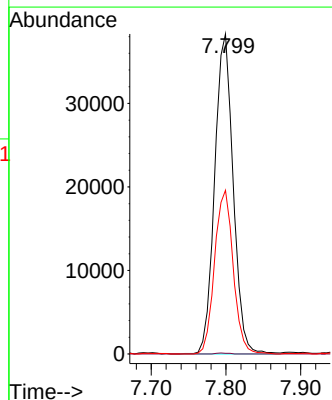
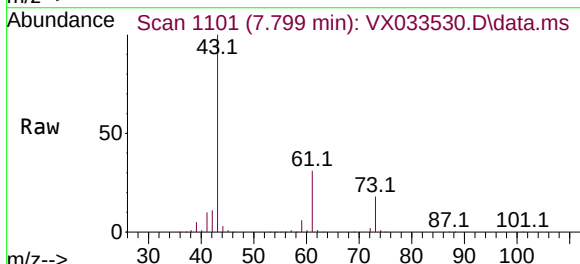
Instrument :
MSVOA_X
ClientSampleId :
PB149803TB

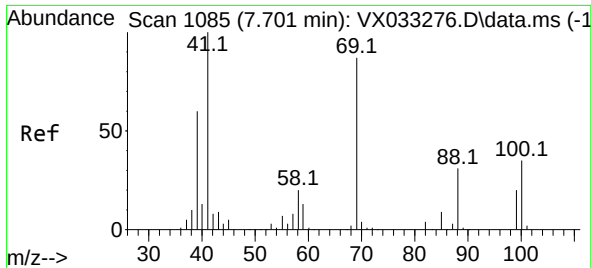
Tgt Ion: 43 Resp: 74929
Ion Ratio Lower Upper
43 100
61 20.1 15.4 23.0
87 15.5 10.8 16.2



#48
Methyl methacrylate
Concen: 41.874 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX033530.D
Acq: 21 Dec 2022 13:11

Tgt Ion: 41 Resp: 65911
Ion Ratio Lower Upper
41 100
69 0.2 65.1 97.7#
39 51.5 51.9 77.9#





#49

1,4-Dioxane

Concen: 0.613 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.098 min

Lab File: VX033530.D

Acq: 21 Dec 2022 13:11

Instrument :

MSVOA_X

ClientSampleId :

PB149803TB

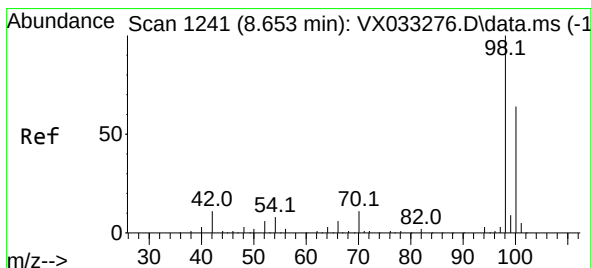
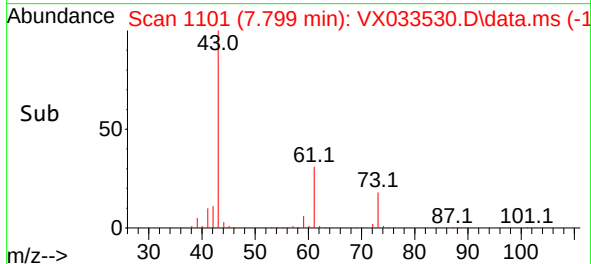
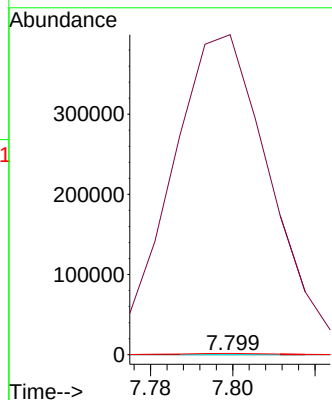
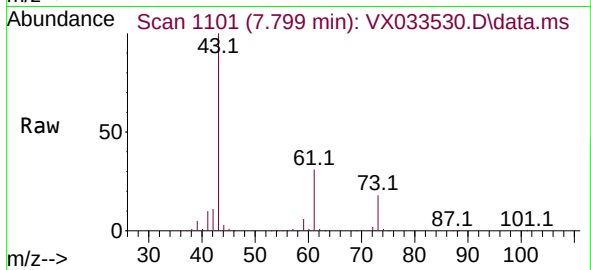
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 3120845.5 26.6 39.8#

58 12322.7 51.7 77.5#



#50

Toluene-d8

Concen: 45.442 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033530.D

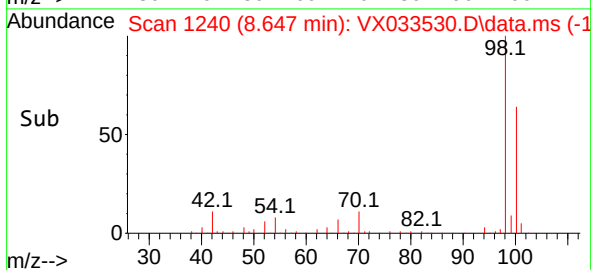
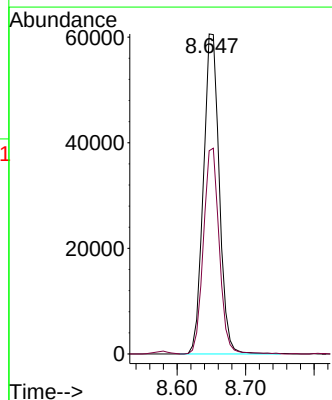
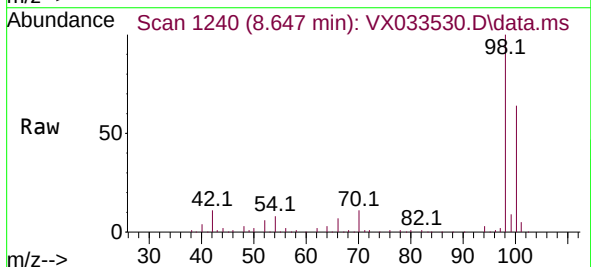
Acq: 21 Dec 2022 13:11

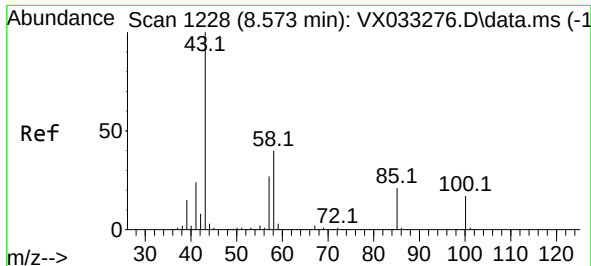
Tgt Ion: 98 Resp: 97771

Ion Ratio Lower Upper

98 100

100 64.1 50.9 76.3

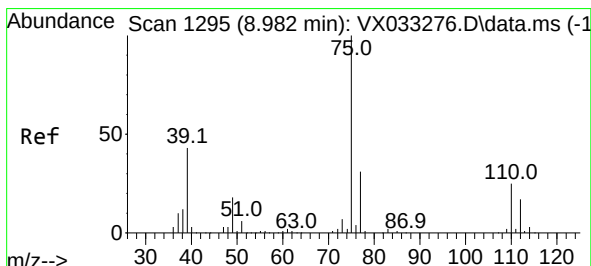
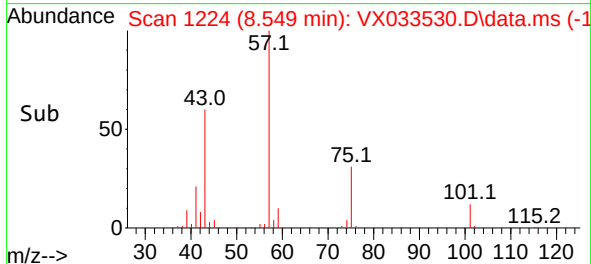
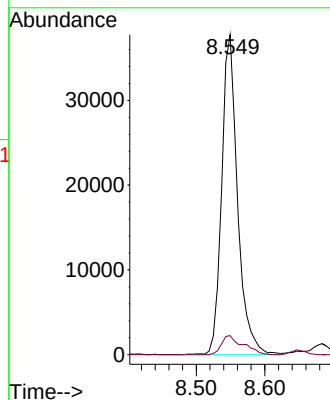
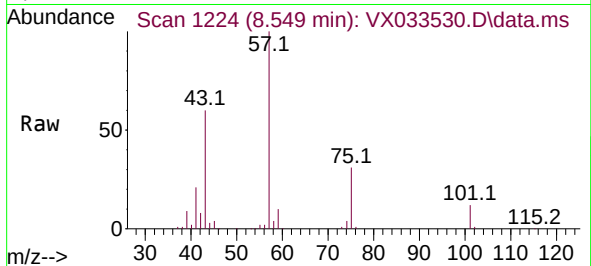




#51
4-Methyl-2-Pentanone
Concen: 31.388 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033530.D
Acq: 21 Dec 2022 13:11

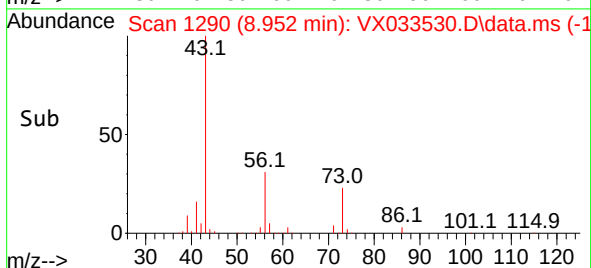
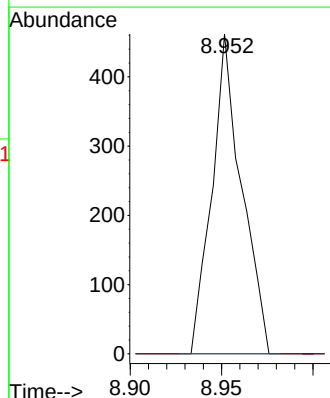
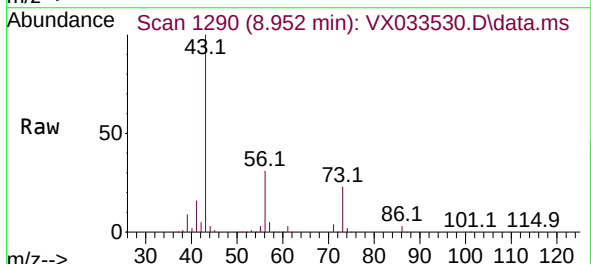
Instrument :
MSVOA_X
ClientSampleId :
PB149803TB

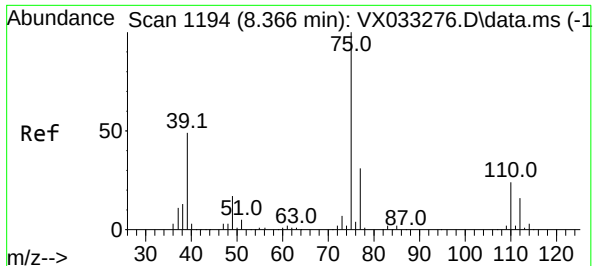
Tgt Ion: 43 Resp: 60537
Ion Ratio Lower Upper
43 100
58 8.1 30.9 46.3#



#53
t-1,3-Dichloropropene
Concen: 2.714 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX033530.D
Acq: 21 Dec 2022 13:11

Tgt Ion: 75 Resp: 523
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

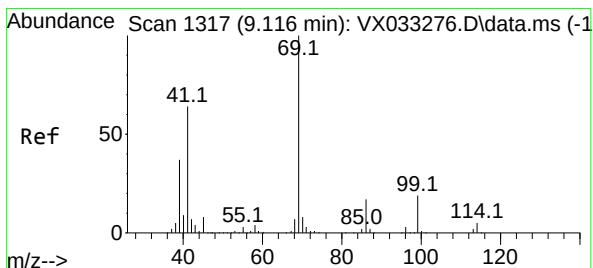
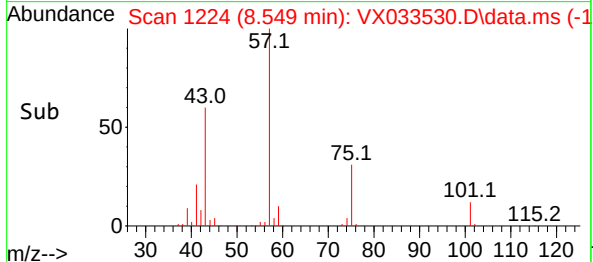
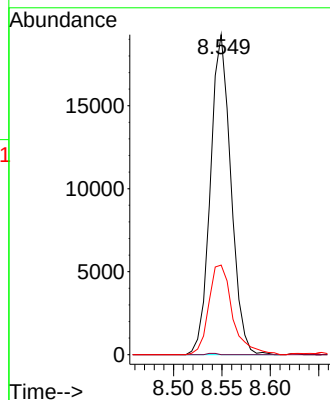
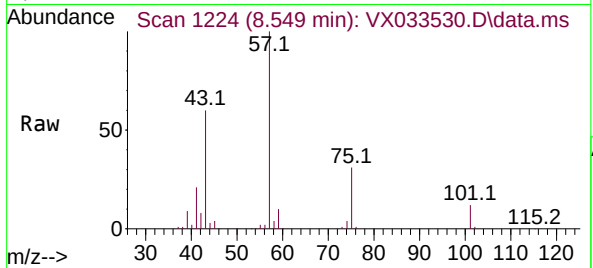




#54
 cis-1,3-Dichloropropene
 Concen: 12.011 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033530.D
 Acq: 21 Dec 2022 13:11

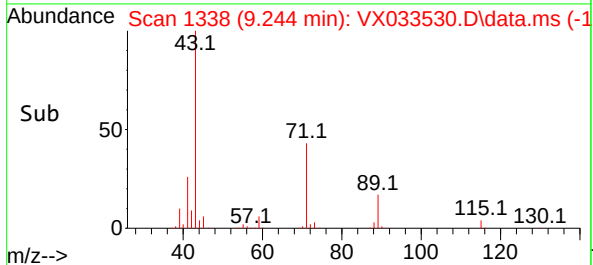
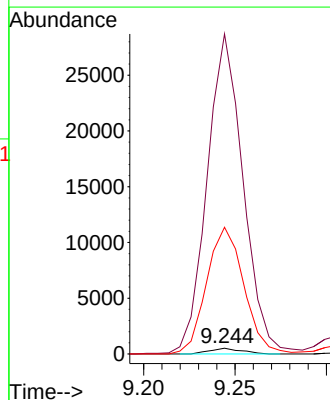
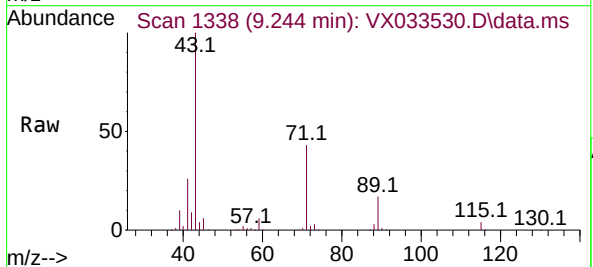
Instrument :
 MSVOA_X
 ClientSampleId :
 PB149803TB

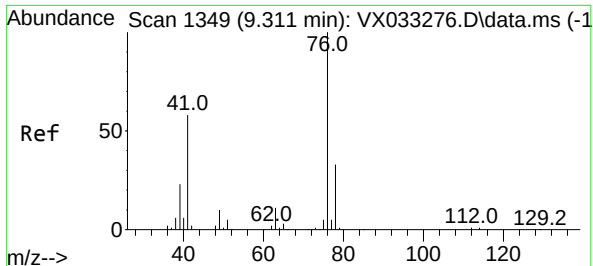
Tgt Ion: 75 Resp: 28378
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 28.0 45.5 68.3#



#56
 Ethyl methacrylate
 Concen: 0.275 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033530.D
 Acq: 21 Dec 2022 13:11

Tgt Ion: 69 Resp: 615
 Ion Ratio Lower Upper
 69 100
 41 6443.9 54.3 81.5#
 39 2623.3 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 1.440 ug/l

RT: 9.482 min Scan# 1177

Delta R.T. 0.171 min

Lab File: VX033530.D

Acq: 21 Dec 2022 13:11

Instrument :

MSVOA_X

ClientSampleId :

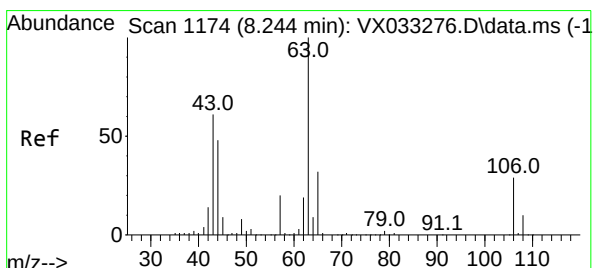
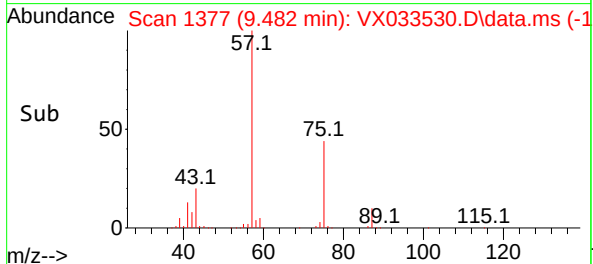
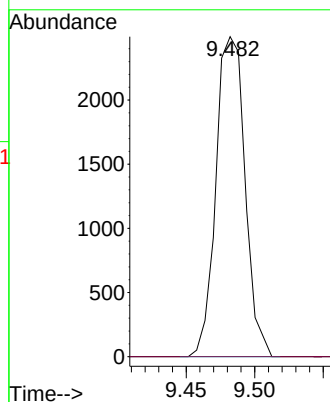
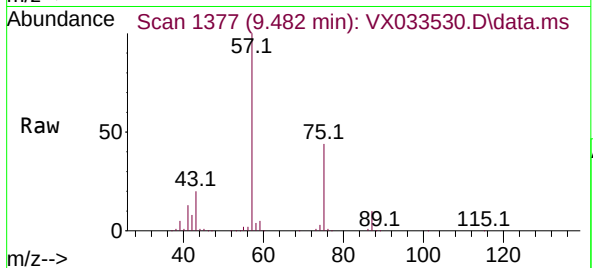
PB149803TB

Tgt Ion: 76 Resp: 3676

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#58

2-Chloroethyl Vinyl ether

Concen: 0.481 ug/l

RT: 8.257 min Scan# 1176

Delta R.T. 0.012 min

Lab File: VX033530.D

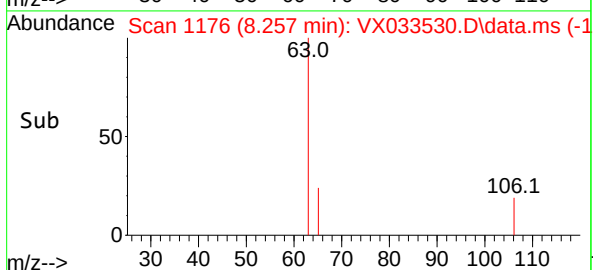
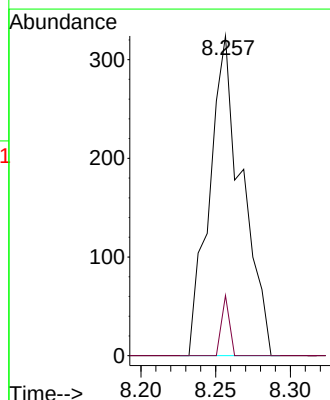
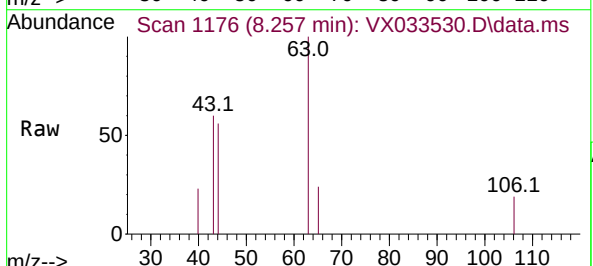
Acq: 21 Dec 2022 13:11

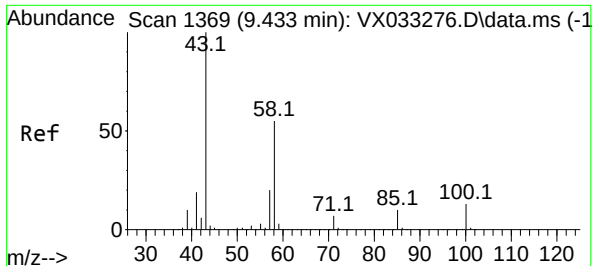
Tgt Ion: 63 Resp: 492

Ion Ratio Lower Upper

63 100

106 4.5 23.3 34.9#





#59

2-Hexanone

Concen: 34.989 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX033530.D

Acq: 21 Dec 2022 13:11

Instrument :

MSVOA_X

ClientSampleId :

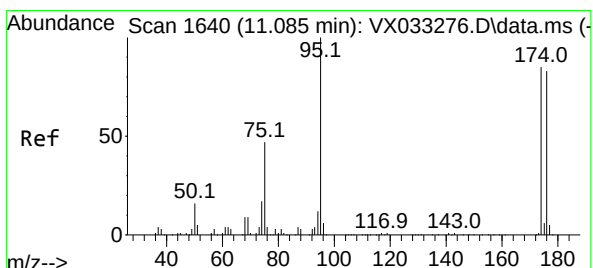
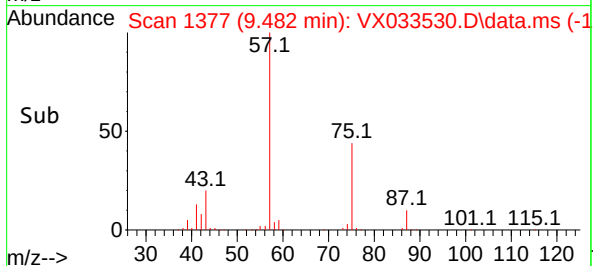
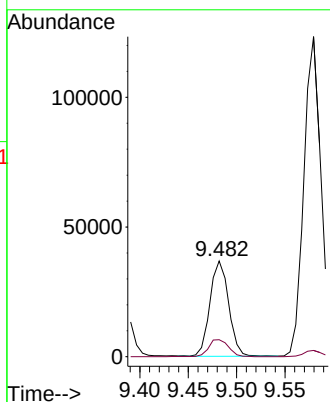
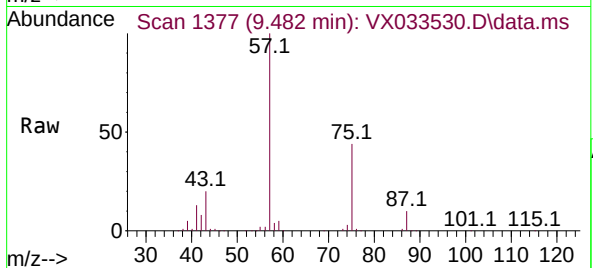
PB149803TB

Tgt Ion: 43 Resp: 49730

Ion Ratio Lower Upper

43 100

58 19.2 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 49.314 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX033530.D

Acq: 21 Dec 2022 13:11

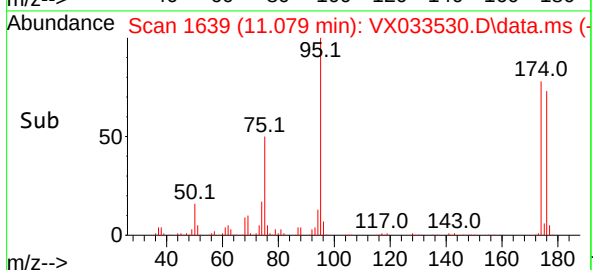
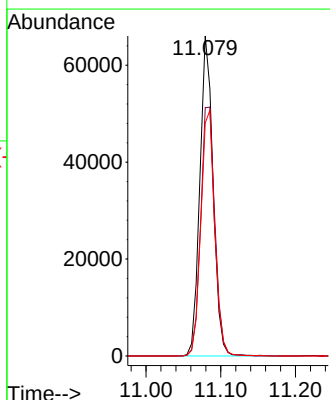
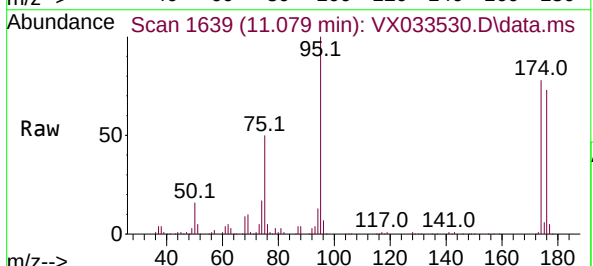
Tgt Ion: 95 Resp: 81127

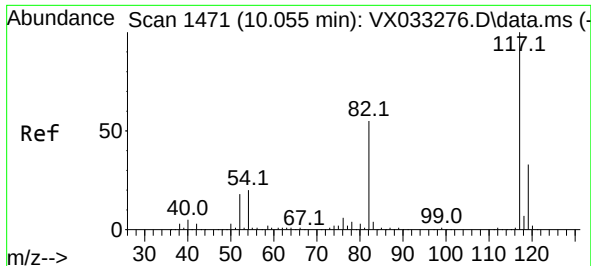
Ion Ratio Lower Upper

95 100

174 83.7 0.0 164.0

176 80.3 0.0 154.4

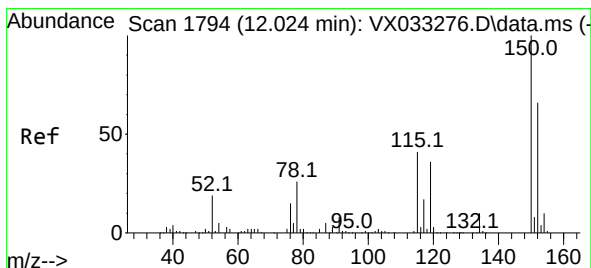
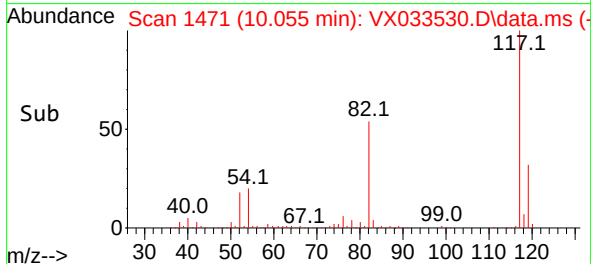
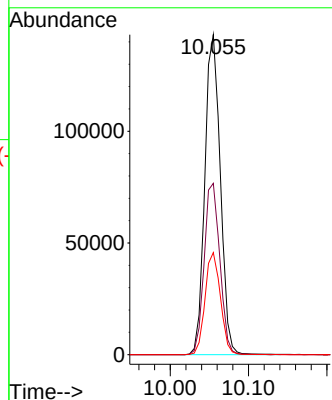
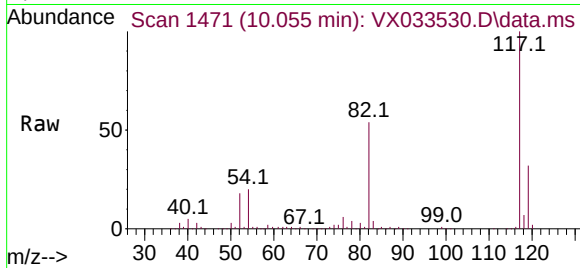




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033530.D
Acq: 21 Dec 2022 13:11

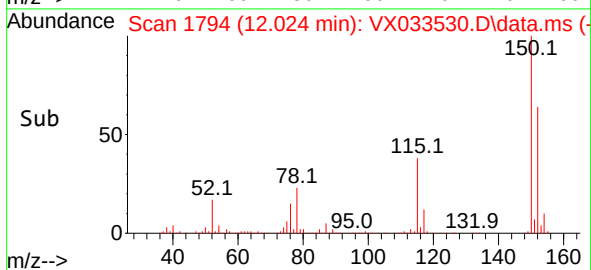
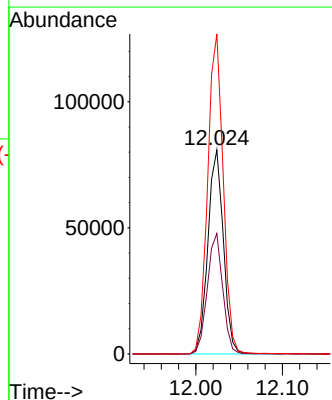
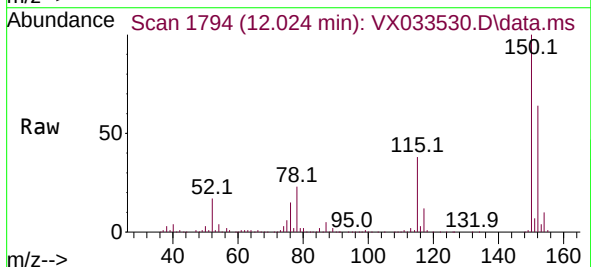
Instrument :
MSVOA_X
ClientSampleId :
PB149803TB

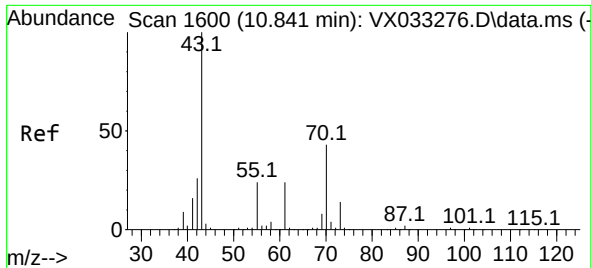
Tgt Ion:117 Resp: 196523
Ion Ratio Lower Upper
117 100
82 53.5 44.3 66.5
119 31.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033530.D
Acq: 21 Dec 2022 13:11

Tgt Ion:152 Resp: 100374
Ion Ratio Lower Upper
152 100
115 58.9 44.0 132.0
150 157.1 0.0 351.8

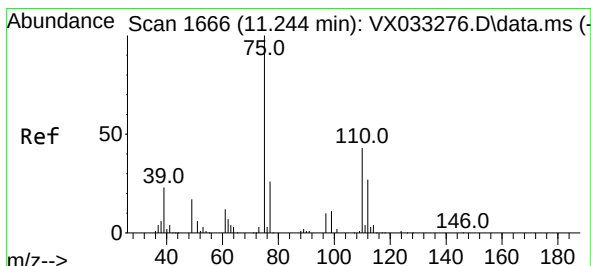
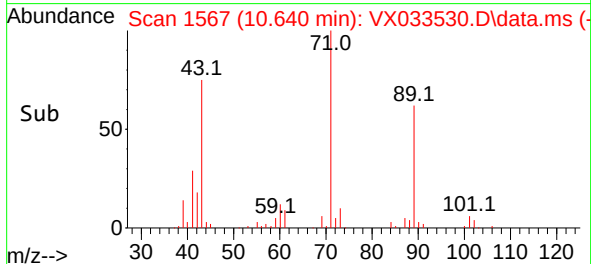
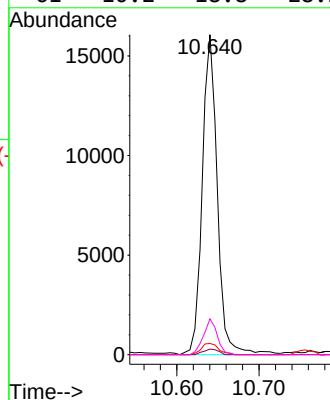
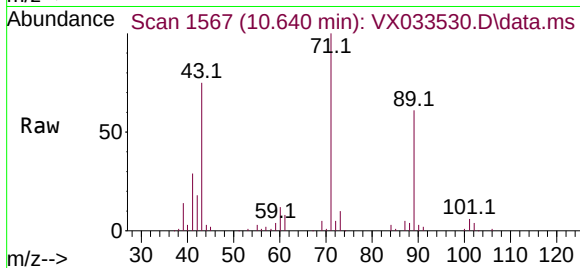




#74
N-amy1 acetate
Concen: 8.268 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX033530.D
Acq: 21 Dec 2022 13:11

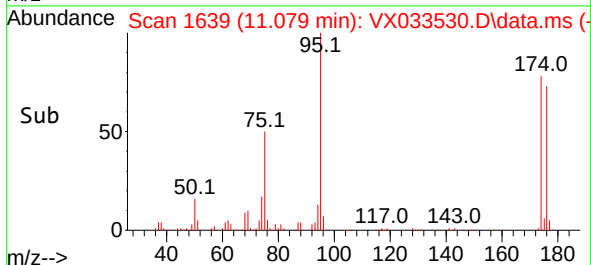
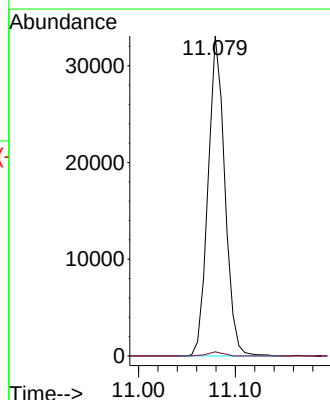
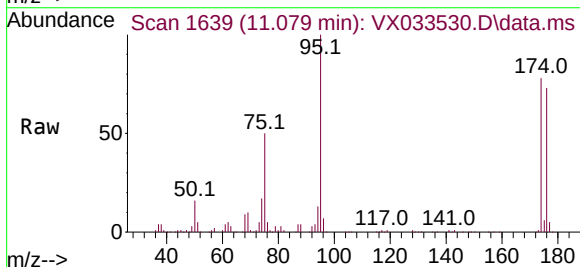
Instrument :
MSVOA_X
ClientSampleId :
PB149803TB

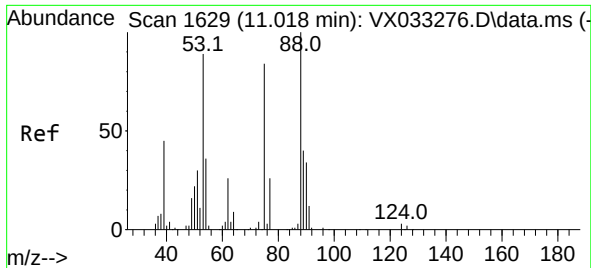
Tgt Ion: 43	Resp: 20523
Ion Ratio	Lower Upper
43 100	
70 1.7	33.6 50.4#
55 4.1	19.4 29.2#
61 10.2	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 19.576 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033530.D
Acq: 21 Dec 2022 13:11

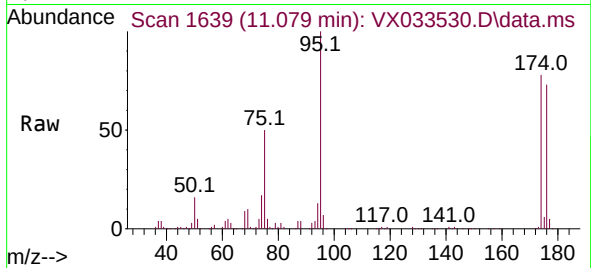
Tgt Ion: 75	Resp: 39976
Ion Ratio	Lower Upper
75 100	
77 1.2	20.0 60.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 60.894 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX033530.D
Acq: 21 Dec 2022 13:11

Instrument :
MSVOA_X
ClientSampleId :
PB149803TB



Tgt Ion: 75 Resp: 39976
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.1 38.3 57.5#

