

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013122\
 Data File : VX026686.D
 Acq On : 31 Jan 2022 17:26
 Operator : JC/MD
 Sample : PB142369ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142369ZHE#09

Quant Time: Feb 01 06:29:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

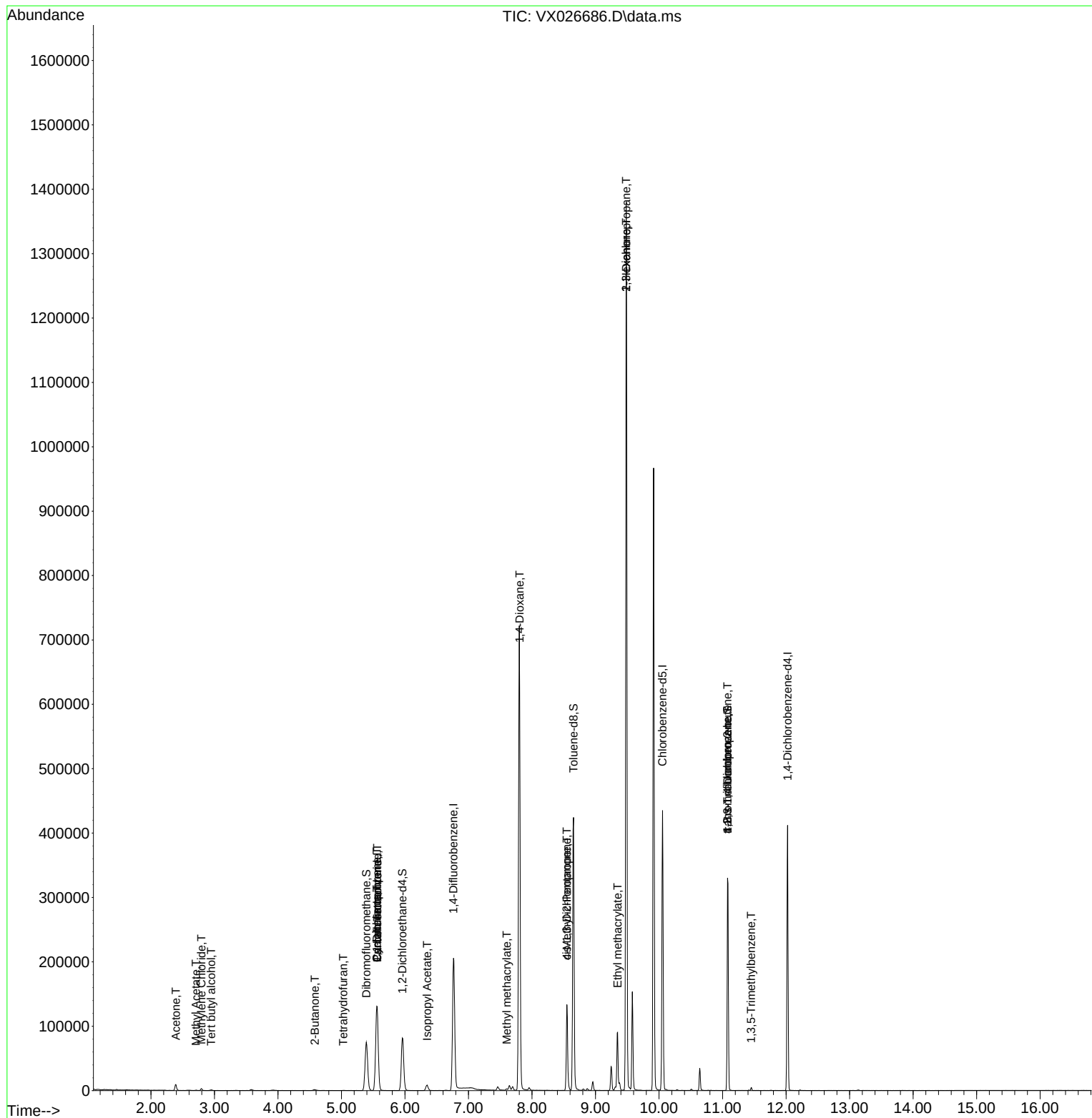
Internal Standards						
1) Pentafluorobenzene	5.562	168	126318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	211798	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	80498	45.619	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.240%
35) Dibromofluoromethane	5.391	113	65838	48.137	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.280%
50) Toluene-d8	8.653	98	250992	50.925	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.840%
62) 4-Bromofluorobenzene	11.079	95	92505	52.834	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.660%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	584	2.379	ug/l #	75
16) Acetone	2.392	43	11491	12.770	ug/l	97
18) Methyl Acetate	2.709	43	861	0.481	ug/l #	89
20) Methylene Chloride	2.794	84	1318	0.886	ug/l	94
25) 2-Butanone	4.580	43	2451	2.094	ug/l	97
29) Tetrahydrofuran	5.025	42	266	0.383	ug/l #	40
31) Cyclohexane	5.556	56	2538	0.975	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9877	4.574	ug/l #	50
38) Carbon Tetrachloride	5.562	117	12962	5.836	ug/l #	16
43) Isopropyl Acetate	6.348	43	11983	3.396	ug/l	99
48) Methyl methacrylate	7.604	41	3415	1.953	ug/l #	16
49) 1,4-Dioxane	7.805	88	123	4.287	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	44512	21.270	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	20567	9.025	ug/l #	57
56) Ethyl methacrylate	9.348	69	455	0.208	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	11752	4.746	ug/l #	43
59) 2-Hexanone	9.482	43	165365	103.245	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	45061	24.926	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	2221	0.400	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	45061	75.779	ug/l #	3

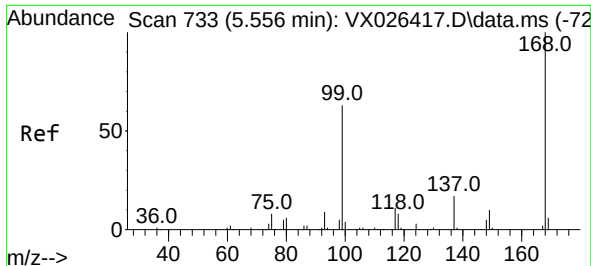
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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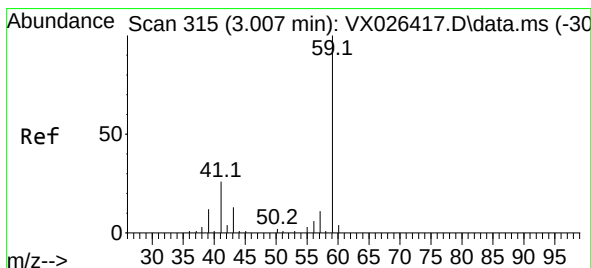
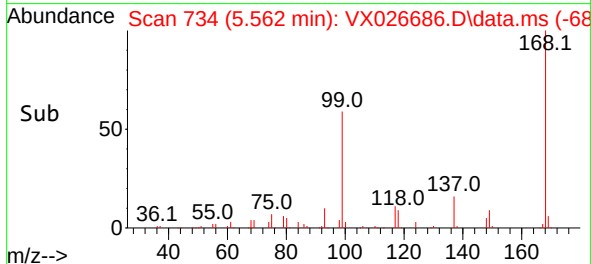
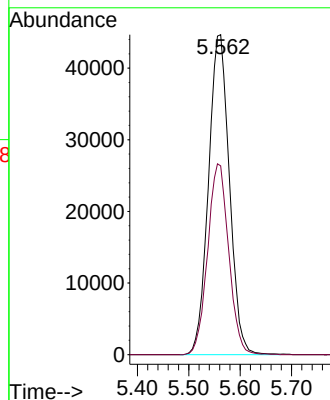
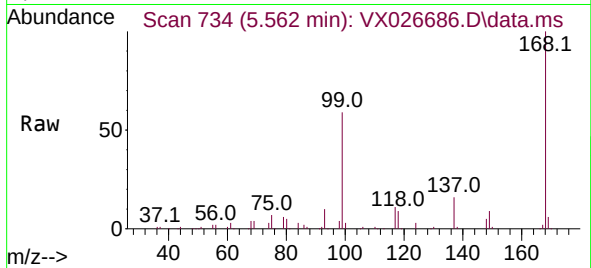




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026686.D
Acq: 31 Jan 2022 17:26

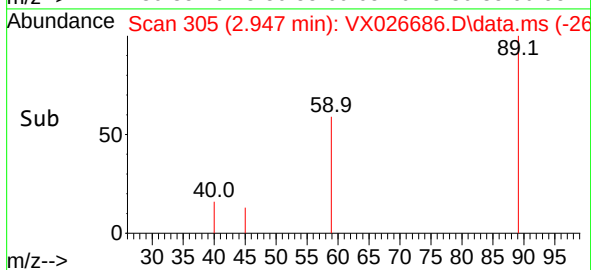
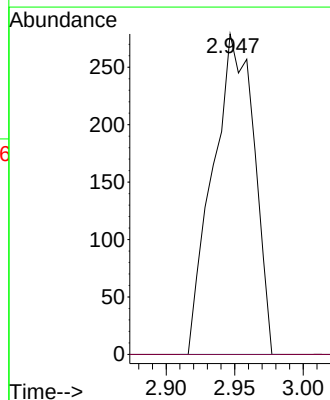
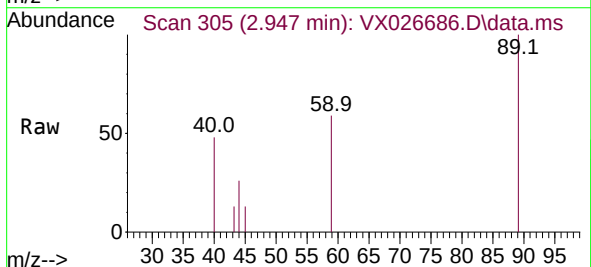
Instrument :
MSVOA_X
ClientSampleId :
PB142369ZHE#09

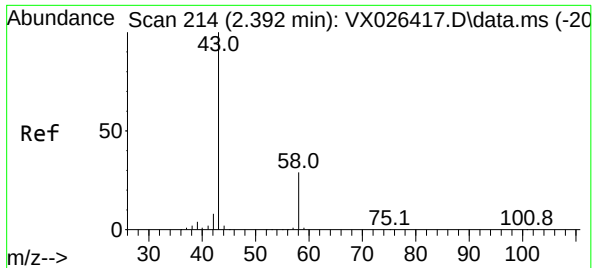
Tgt Ion:168 Resp: 126318
Ion Ratio Lower Upper
168 100
99 59.0 50.3 75.5



#11
Tert butyl alcohol
Concen: 2.379 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.060 min
Lab File: VX026686.D
Acq: 31 Jan 2022 17:26

Tgt Ion: 59 Resp: 584
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

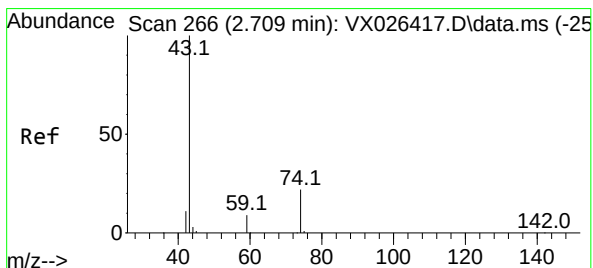
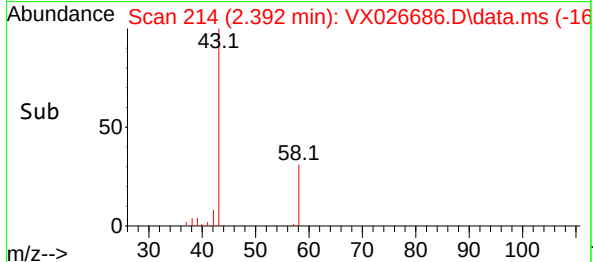
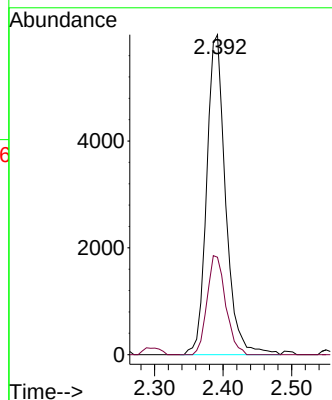
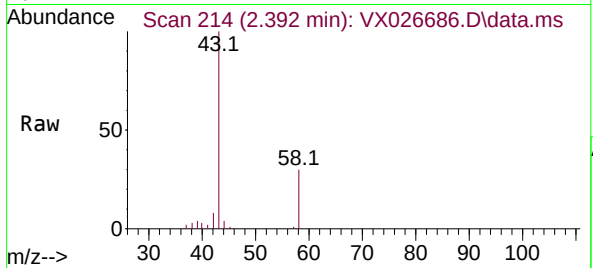




#16
Acetone
Concen: 12.770 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX026686.D
Acq: 31 Jan 2022 17:26

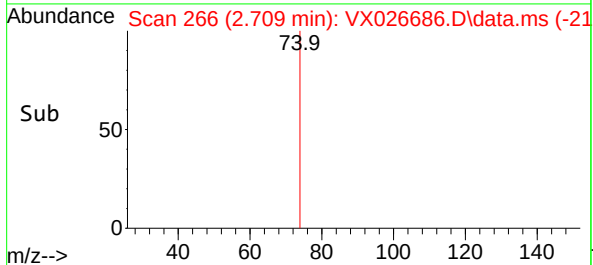
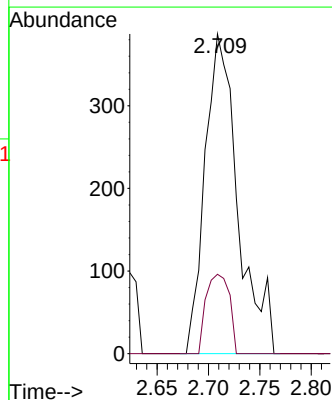
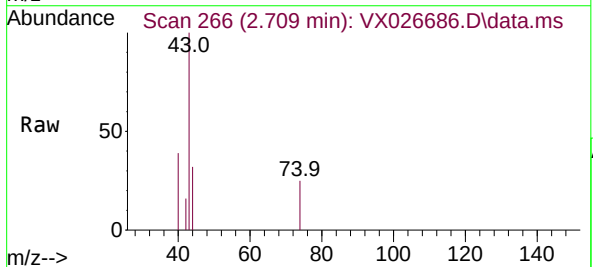
Instrument :
MSVOA_X
ClientSampleId :
PB142369ZHE#09

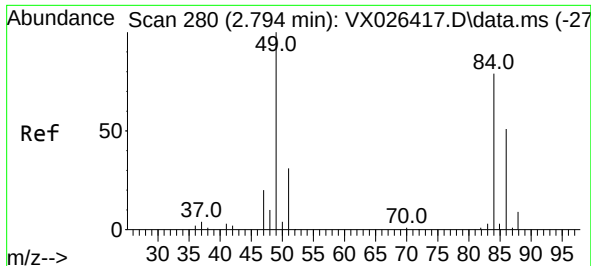
Tgt Ion: 43 Resp: 11491
Ion Ratio Lower Upper
43 100
58 30.4 23.0 34.6



#18
Methyl Acetate
Concen: 0.481 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX026686.D
Acq: 31 Jan 2022 17:26

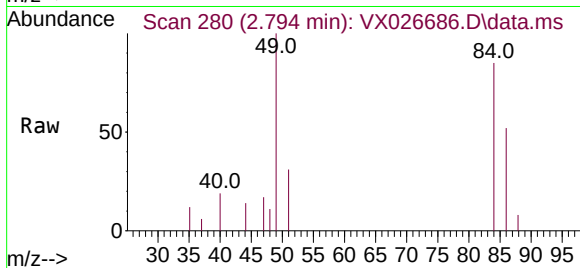
Tgt Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
74 17.5 18.3 27.5#



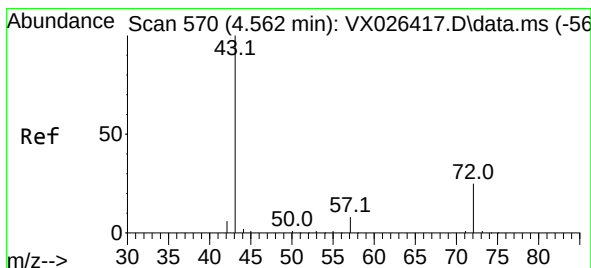
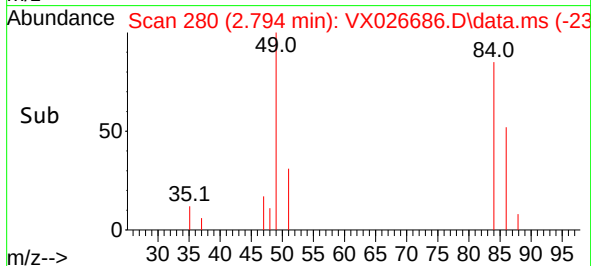
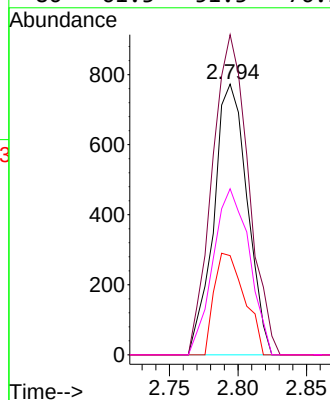


#20
Methylene Chloride
Concen: 0.886 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX026686.D
Acq: 31 Jan 2022 17:26

Instrument :
MSVOA_X
ClientSampleId :
PB142369ZHE#09

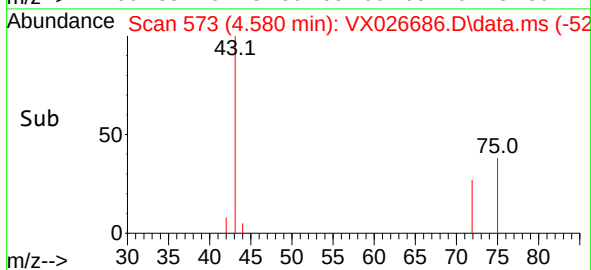
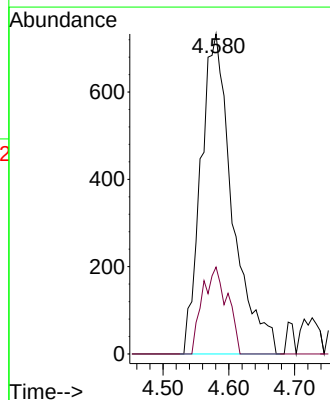
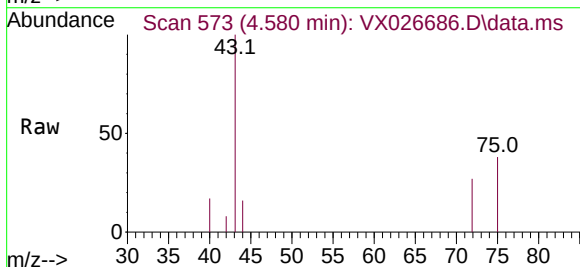


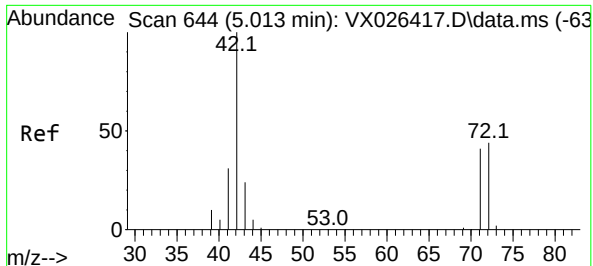
Tgt Ion: 84	Resp: 1318
Ion Ratio	Lower Upper
84 100	
49 118.2	101.5 152.3
51 36.6	31.2 46.8
86 61.3	51.3 76.9



#25
2-Butanone
Concen: 2.094 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.018 min
Lab File: VX026686.D
Acq: 31 Jan 2022 17:26

Tgt Ion: 43	Resp: 2451		
Ion Ratio	Lower	Upper	
43 100			
72 27.1	20.4	30.6	





#29

Tetrahydrofuran

Concen: 0.383 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX026686.D

Acq: 31 Jan 2022 17:26

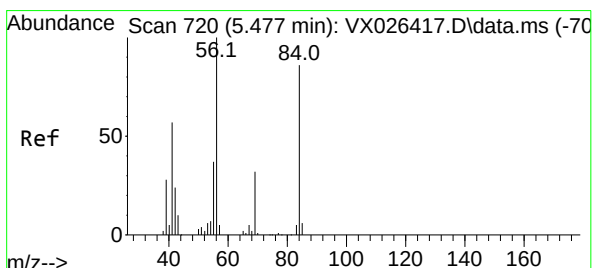
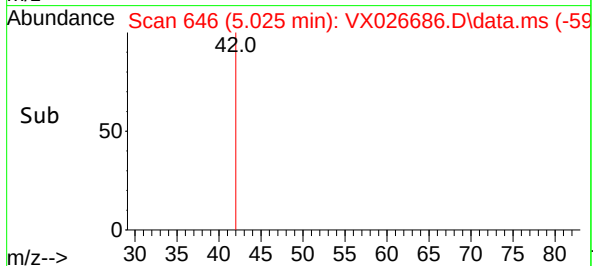
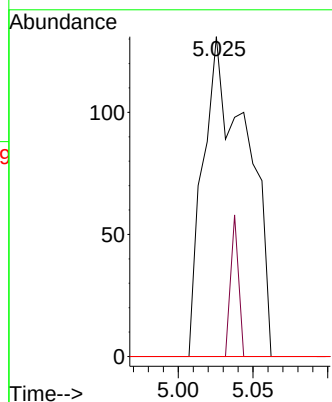
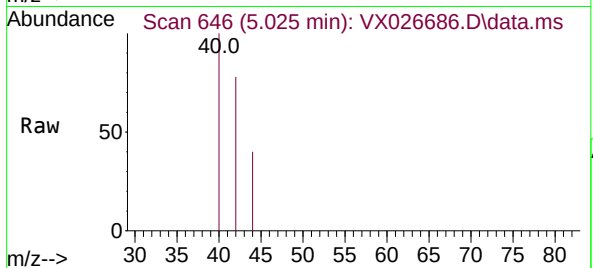
Instrument :

MSVOA_X

ClientSampleId :

PB142369ZHE#09

Tgt Ion:	42	Resp:	266
Ion	Ratio	Lower	Upper
42	100		
72	7.9	34.6	52.0#
71	0.0	31.8	47.8#



#31

Cyclohexane

Concen: 0.975 ug/l

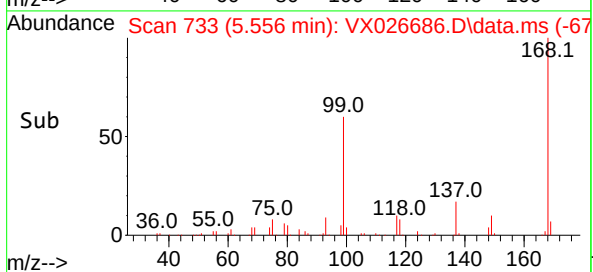
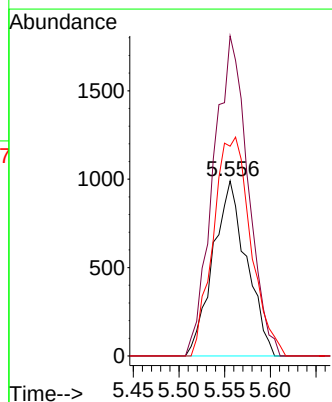
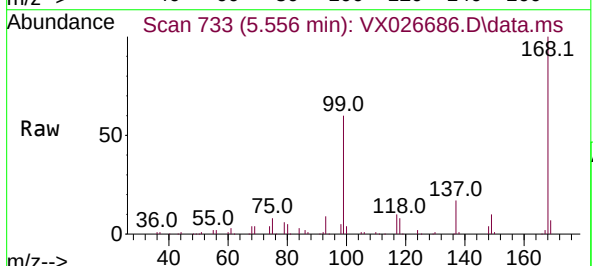
RT: 5.556 min Scan# 733

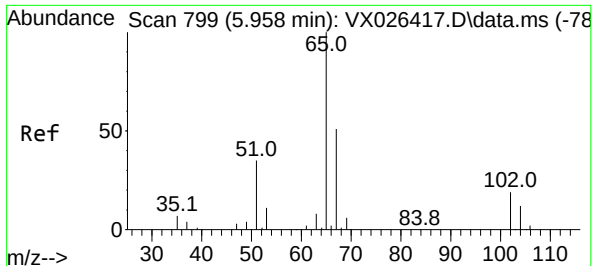
Delta R.T. 0.079 min

Lab File: VX026686.D

Acq: 31 Jan 2022 17:26

Tgt Ion:	56	Resp:	2538
Ion	Ratio	Lower	Upper
56	100		
69	182.8	25.8	38.6#
84	119.9	68.9	103.3#

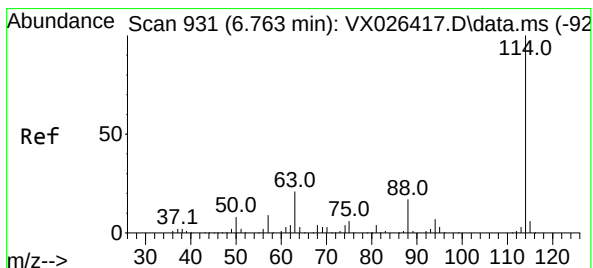
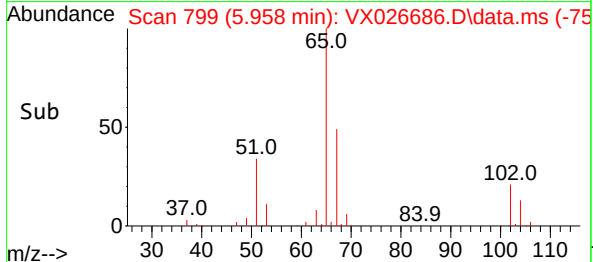
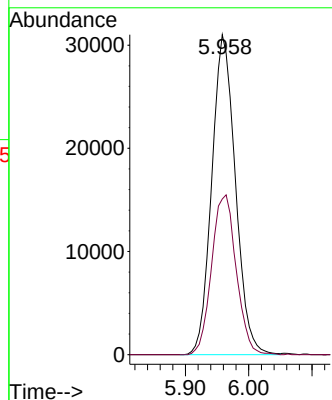
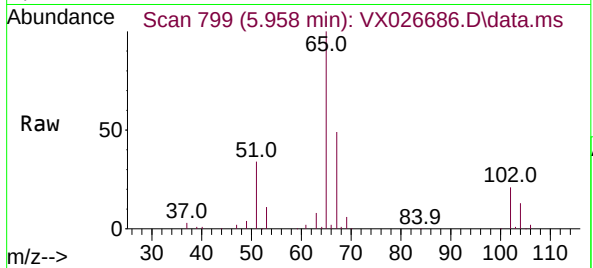




#33
 1,2-Dichloroethane-d4
 Concen: 45.619 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX026686.D
 Acq: 31 Jan 2022 17:26

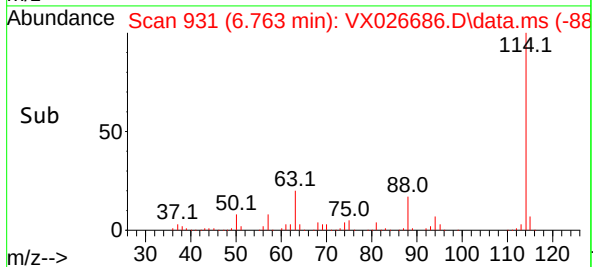
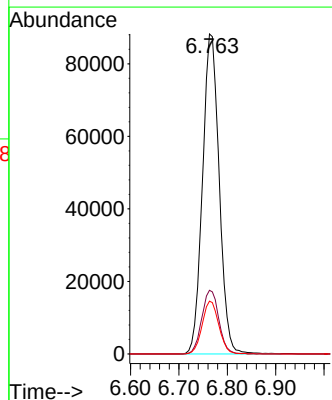
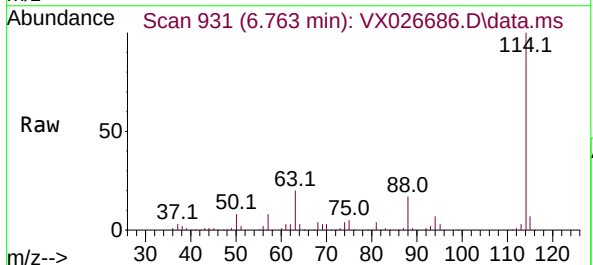
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142369ZHE#09

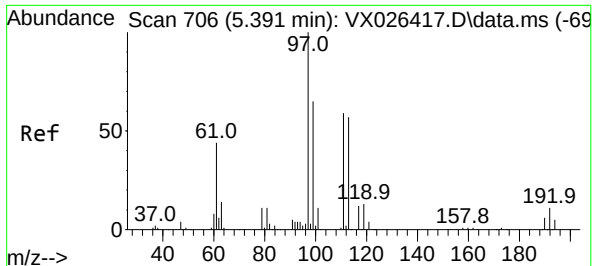
Tgt Ion: 65 Resp: 80498
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX026686.D
 Acq: 31 Jan 2022 17:26

Tgt Ion: 114 Resp: 211798
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.8
 88 16.5 0.0 33.0

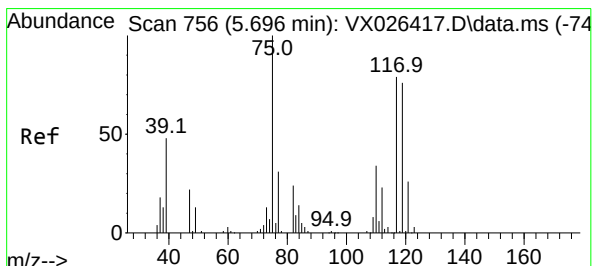
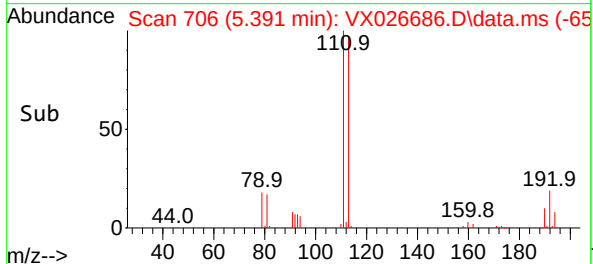
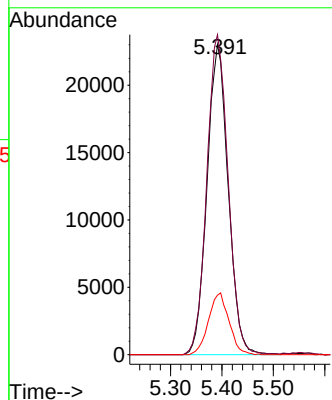
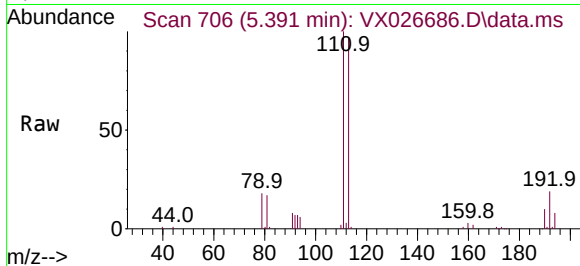




#35
Dibromofluoromethane
Concen: 48.137 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026686.D
Acq: 31 Jan 2022 17:26

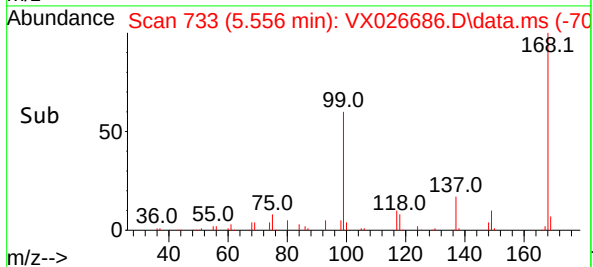
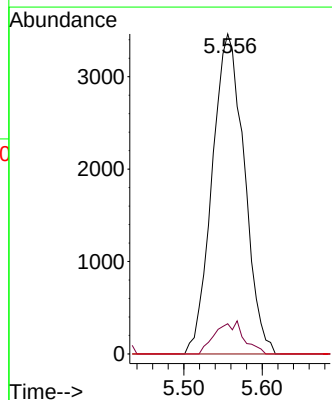
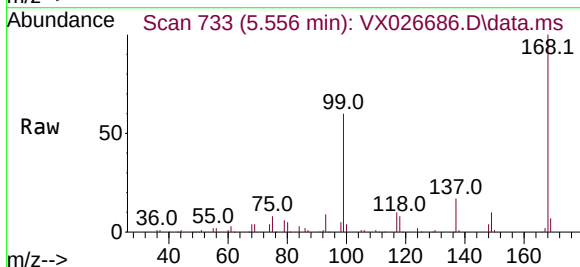
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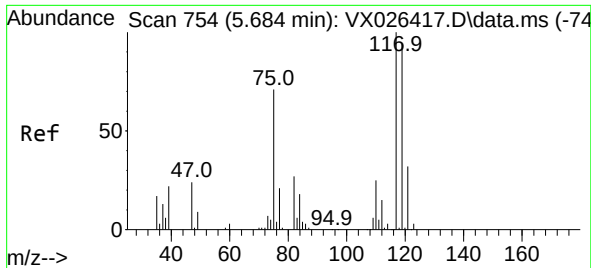
Tgt Ion:113 Resp: 65838
Ion Ratio Lower Upper
113 100
111 104.2 81.2 121.8
192 19.3 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.574 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX026686.D
Acq: 31 Jan 2022 17:26

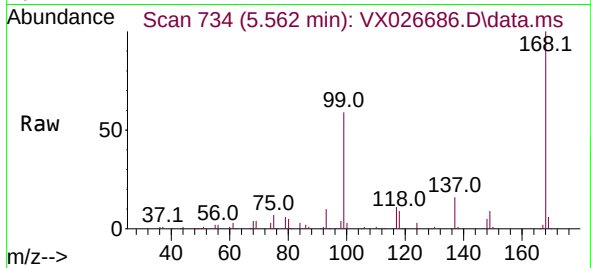
Tgt Ion: 75 Resp: 9877
Ion Ratio Lower Upper
75 100
110 9.1 17.2 51.6#
77 0.0 24.6 36.8#



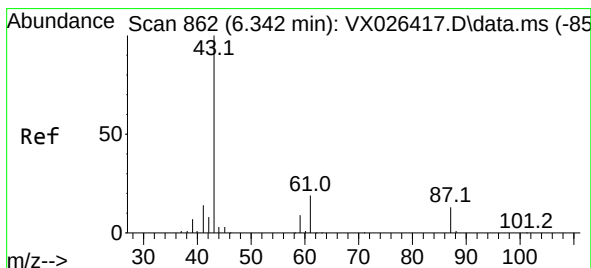
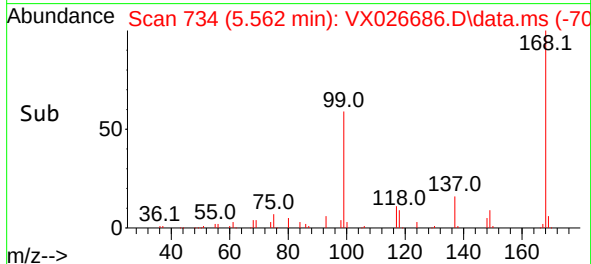
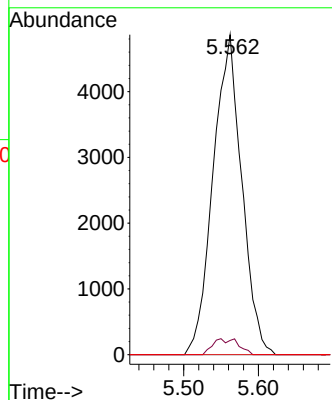


#38
Carbon Tetrachloride
Concen: 5.836 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX026686.D
Acq: 31 Jan 2022 17:26

Instrument :
MSVOA_X
ClientSampleId :
PB142369ZHE#09

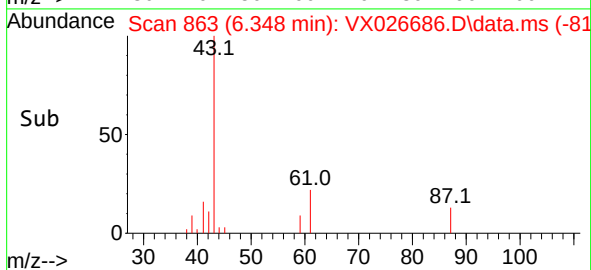
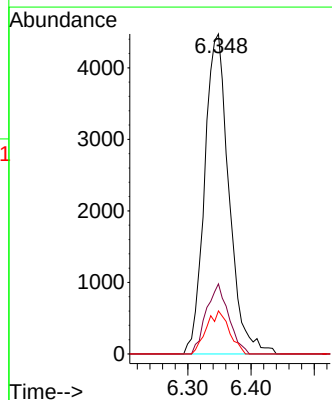
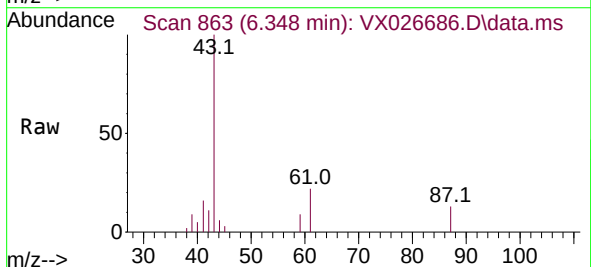


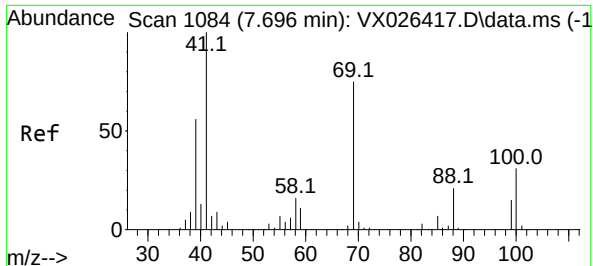
Tgt Ion:117 Resp: 12962
Ion Ratio Lower Upper
117 100
119 4.4 74.7 112.1#
121 0.0 25.4 38.0#



#43
Isopropyl Acetate
Concen: 3.396 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX026686.D
Acq: 31 Jan 2022 17:26

Tgt Ion: 43 Resp: 11983
Ion Ratio Lower Upper
43 100
61 20.1 15.4 23.0
87 12.5 10.2 15.2





#48

Methyl methacrylate

Concen: 1.953 ug/l

RT: 7.604 min Scan# 1102

Delta R.T. -0.091 min

Lab File: VX026686.D

Acq: 31 Jan 2022 17:26

Instrument :

MSVOA_X

ClientSampleId :

PB142369ZHE#09

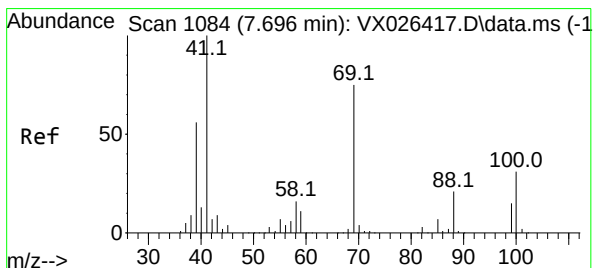
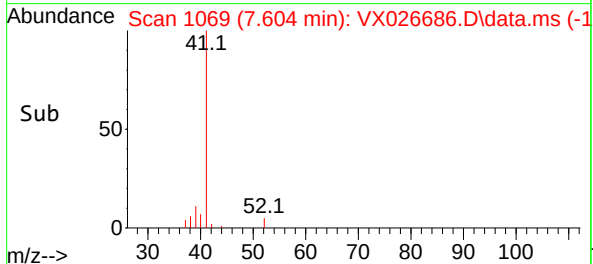
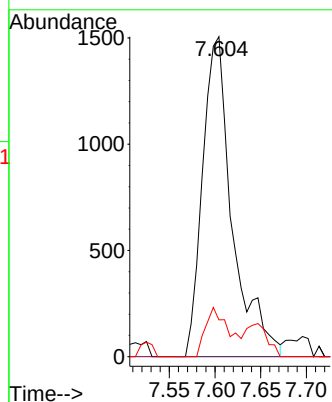
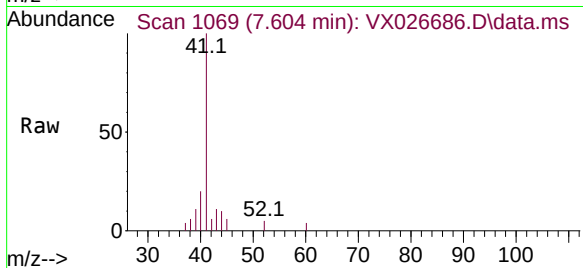
Tgt Ion: 41 Resp: 3415

Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.4#

39 0.0 45.4 68.0#



#49

1,4-Dioxane

Concen: 4.287 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.110 min

Lab File: VX026686.D

Acq: 31 Jan 2022 17:26

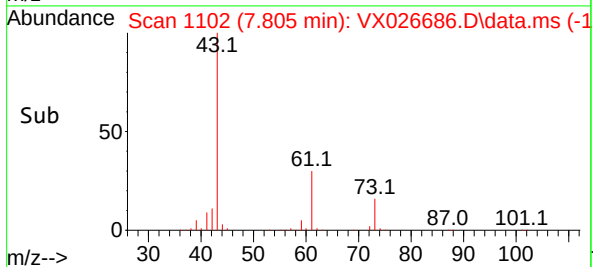
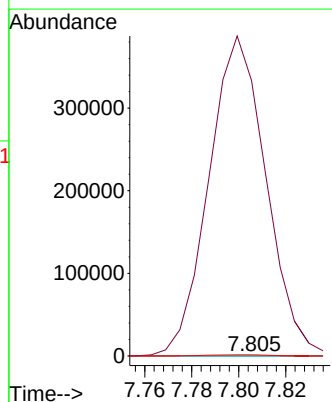
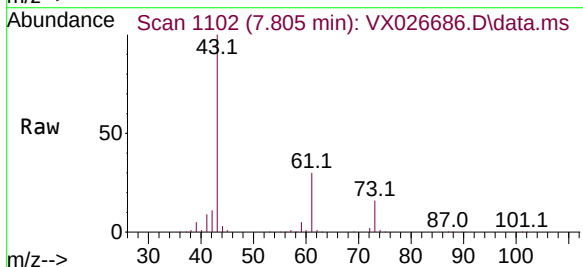
Tgt Ion: 88 Resp: 123

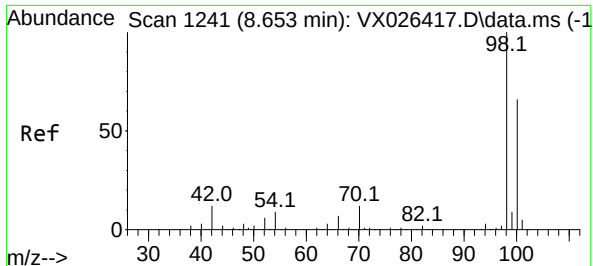
Ion Ratio Lower Upper

88 100

43 536735.8 29.9 44.9#

58 2112.2 57.8 86.6#

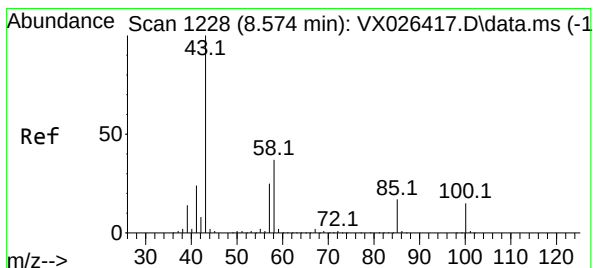
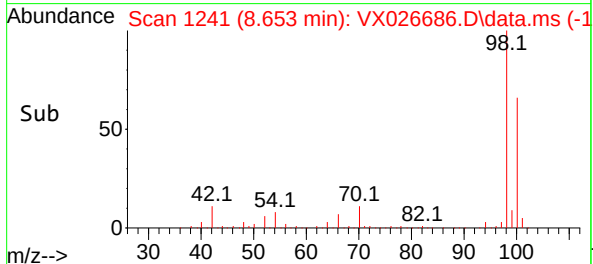
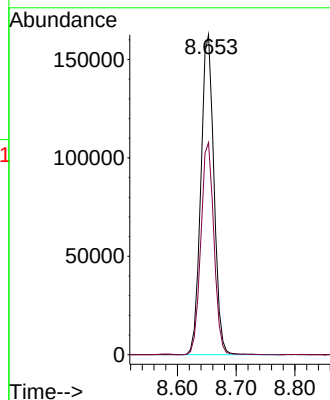
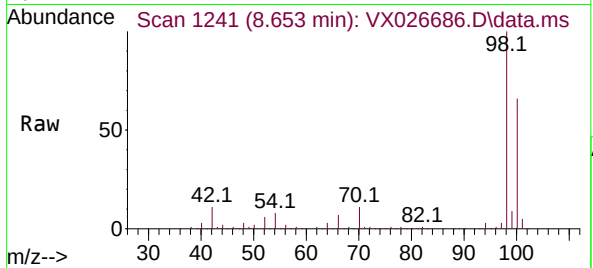




#50
Toluene-d8
Concen: 50.925 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026686.D
Acq: 31 Jan 2022 17:26

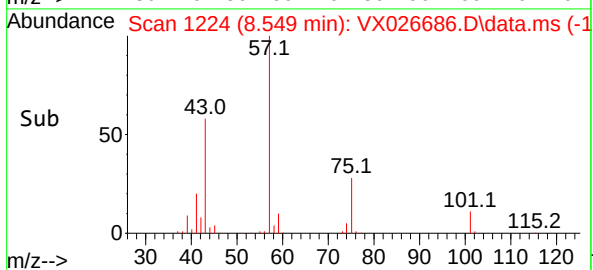
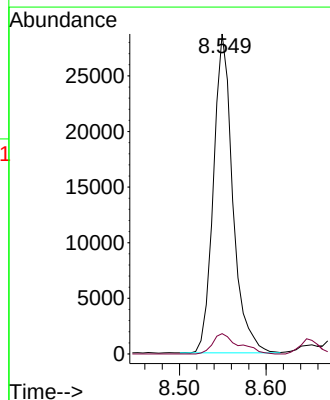
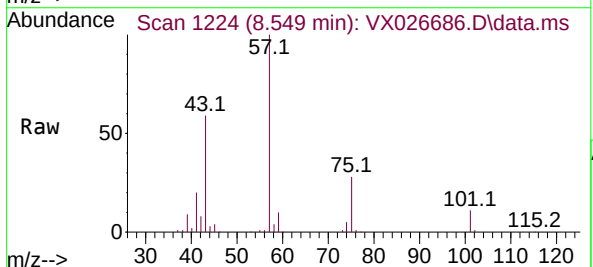
Instrument :
MSVOA_X
ClientSampleId :
PB142369ZHE#09

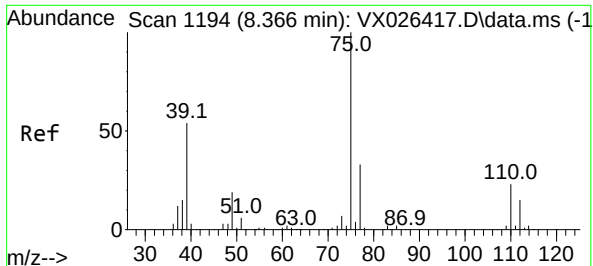
Tgt Ion: 98 Resp: 250992
Ion Ratio Lower Upper
98 100
100 66.5 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 21.270 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX026686.D
Acq: 31 Jan 2022 17:26

Tgt Ion: 43 Resp: 44512
Ion Ratio Lower Upper
43 100
58 8.5 30.5 45.7#

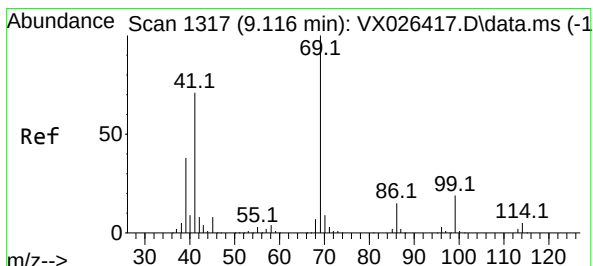
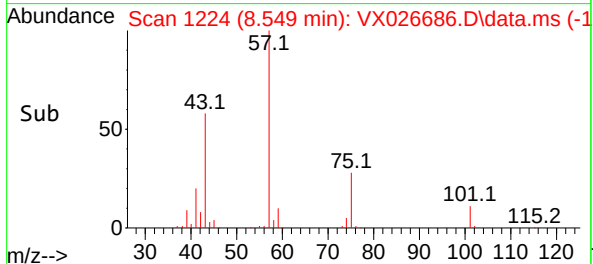
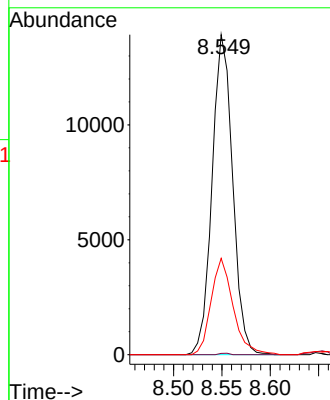
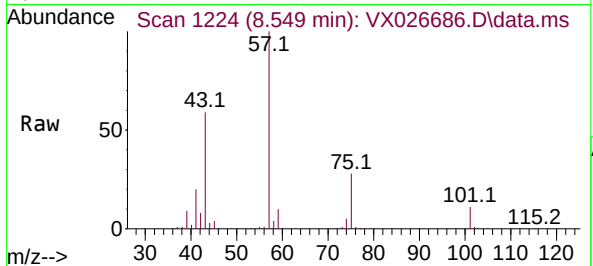




#54
 cis-1,3-Dichloropropene
 Concen: 9.025 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX026686.D
 Acq: 31 Jan 2022 17:26

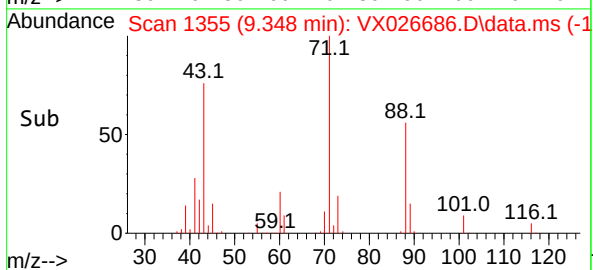
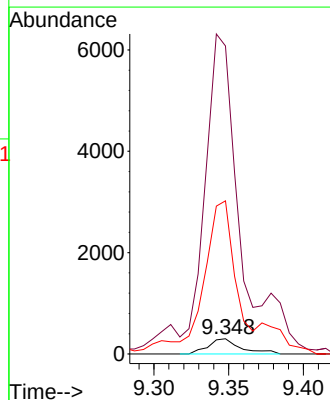
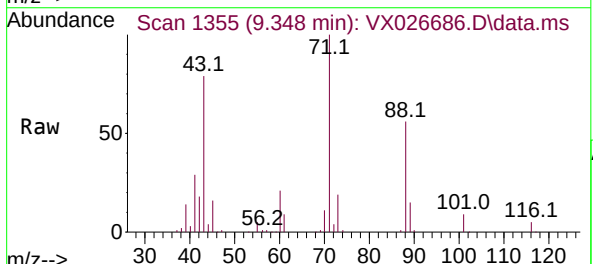
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142369ZHE#09

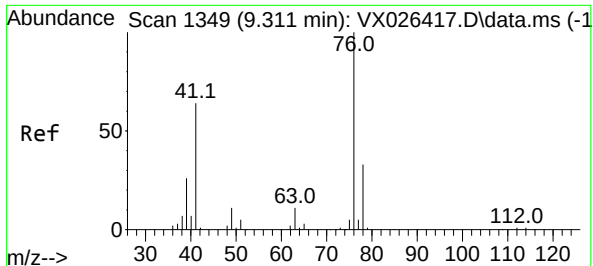
Tgt Ion: 75 Resp: 20567
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.2 39.2#
 39 30.1 43.5 65.3#



#56
 Ethyl methacrylate
 Concen: 0.208 ug/l
 RT: 9.348 min Scan# 1355
 Delta R.T. 0.232 min
 Lab File: VX026686.D
 Acq: 31 Jan 2022 17:26

Tgt Ion: 69 Resp: 455
 Ion Ratio Lower Upper
 69 100
 41 2069.7 57.2 85.8#
 39 950.1 30.9 46.3#





#57

1,3-Dichloropropane

Concen: 4.746 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX026686.D

Acq: 31 Jan 2022 17:26

Instrument :

MSVOA_X

ClientSampleId :

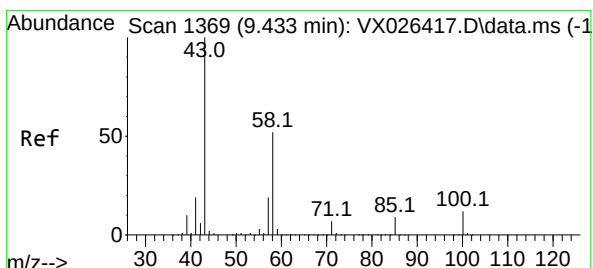
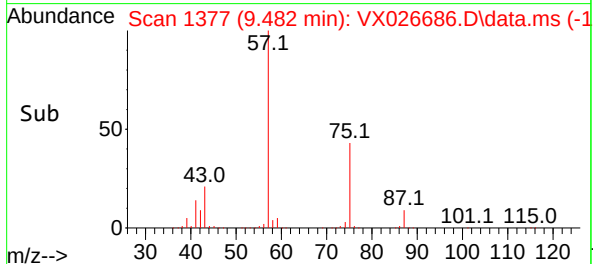
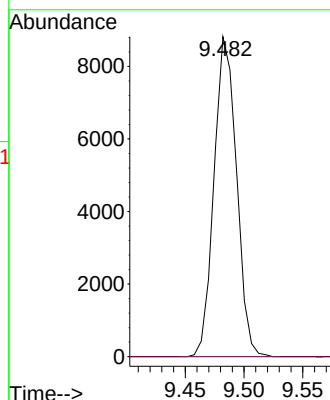
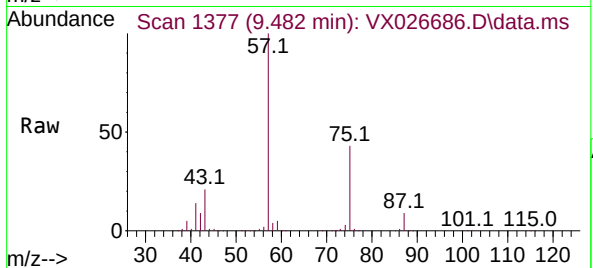
PB142369ZHE#09

Tgt Ion: 76 Resp: 11752

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 103.245 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX026686.D

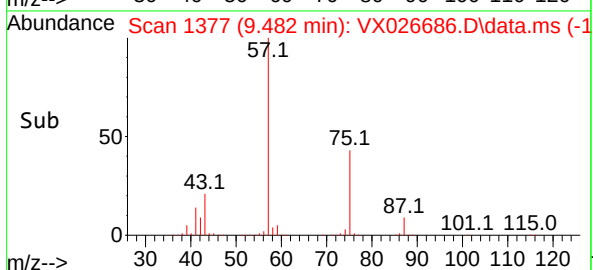
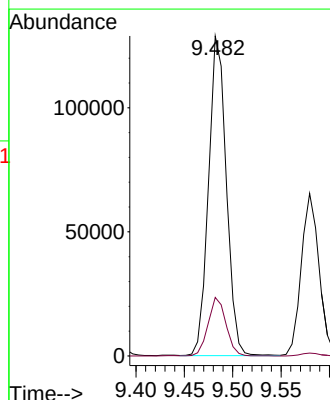
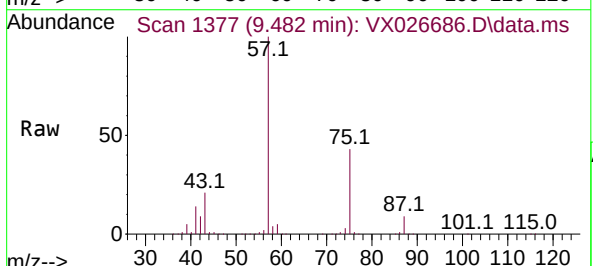
Acq: 31 Jan 2022 17:26

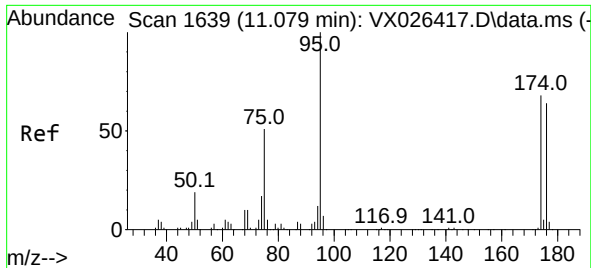
Tgt Ion: 43 Resp: 165365

Ion Ratio Lower Upper

43 100

58 18.5 26.4 79.2#

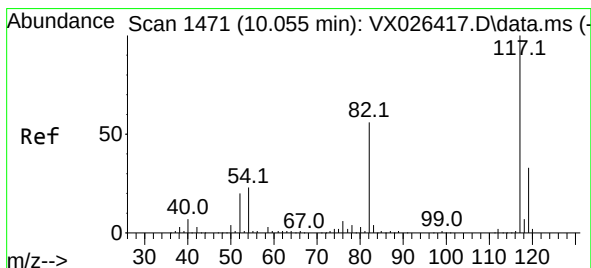
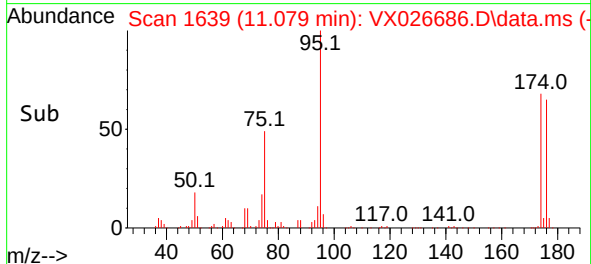
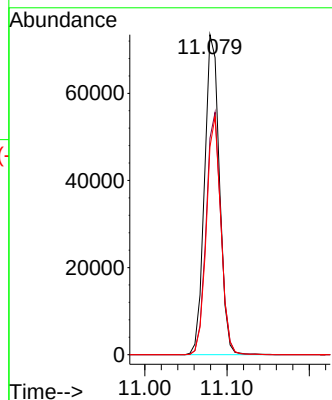
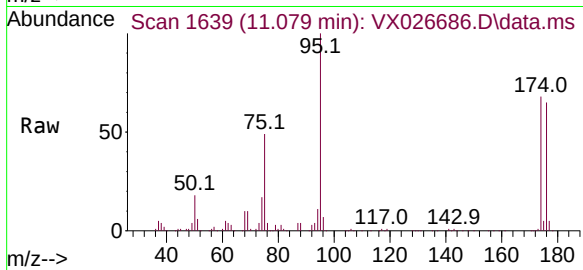




#62
4-Bromofluorobenzene
Concen: 52.834 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026686.D
Acq: 31 Jan 2022 17:26

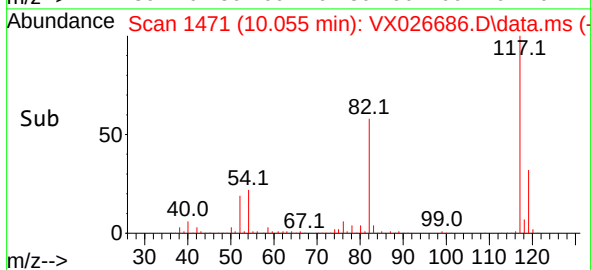
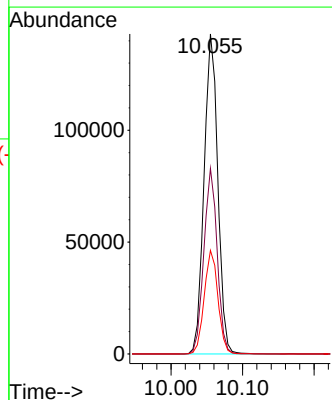
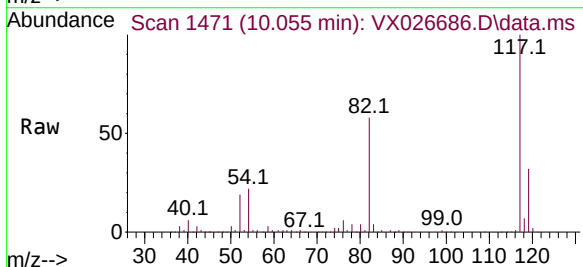
Instrument :
MSVOA_X
ClientSampleId :
PB142369ZHE#09

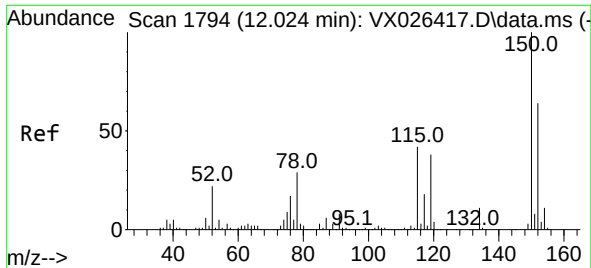
Tgt Ion: 95 Resp: 92505
Ion Ratio Lower Upper
95 100
174 74.5 0.0 148.6
176 72.4 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026686.D
Acq: 31 Jan 2022 17:26

Tgt Ion: 117 Resp: 191094
Ion Ratio Lower Upper
117 100
82 58.0 45.2 67.8
119 32.3 26.2 39.2

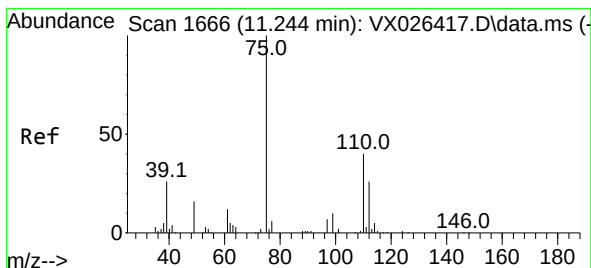
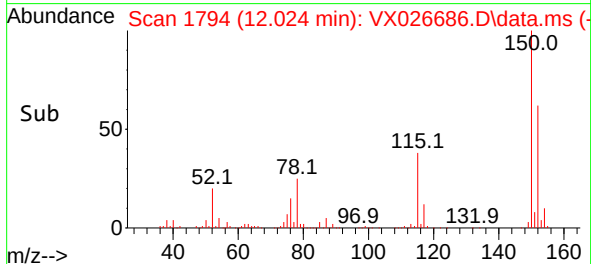
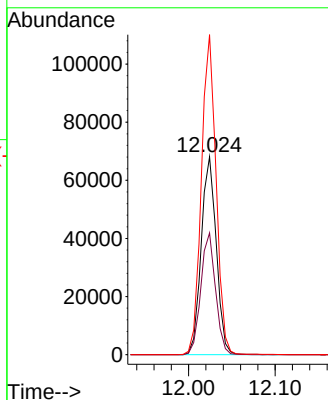
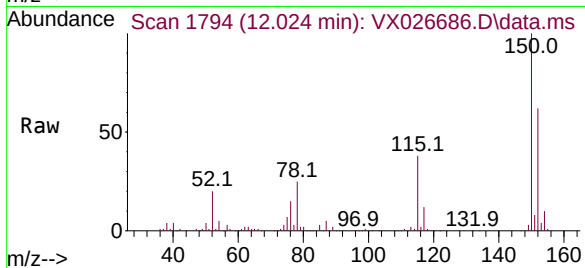




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX026686.D
 Acq: 31 Jan 2022 17:26

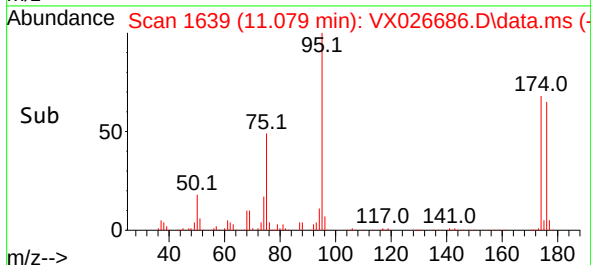
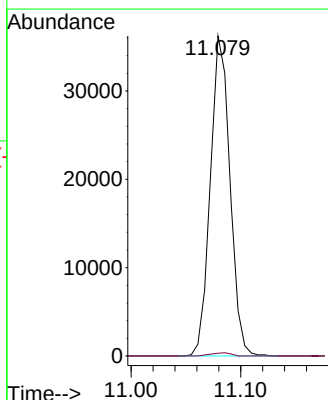
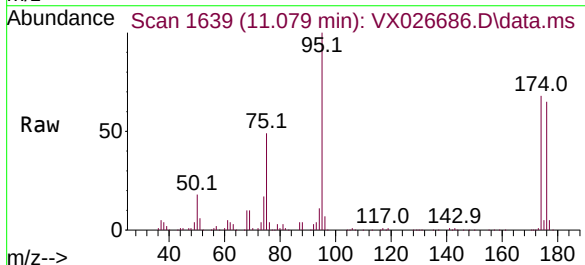
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142369ZHE#09

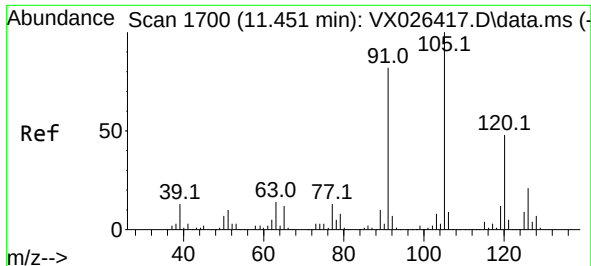
Tgt Ion:152 Resp: 82107
 Ion Ratio Lower Upper
 152 100
 115 60.2 44.2 132.6
 150 158.2 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 24.926 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX026686.D
 Acq: 31 Jan 2022 17:26

Tgt Ion: 75 Resp: 45061
 Ion Ratio Lower Upper
 75 100
 77 1.0 18.3 54.8#

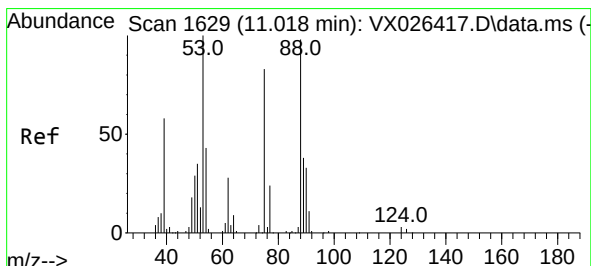
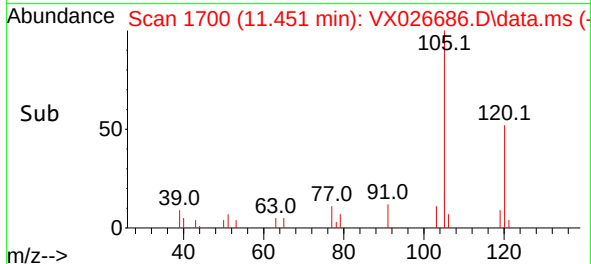
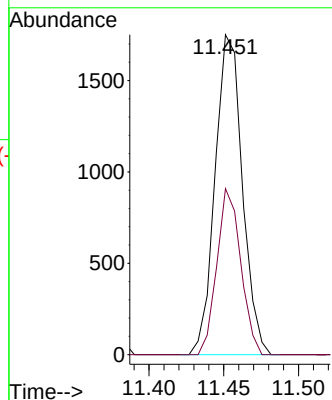
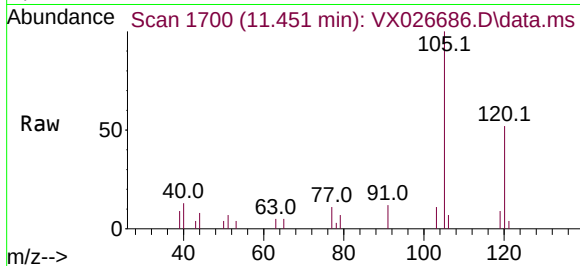




#80
1,3,5-Trimethylbenzene
Concen: 0.400 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026686.D
Acq: 31 Jan 2022 17:26

Instrument :
MSVOA_X
ClientSampleId :
PB142369ZHE#09

Tgt Ion:105 Resp: 2221
Ion Ratio Lower Upper
105 100
120 45.2 24.0 72.0



#81
trans-1,4-Dichloro-2-butene
Concen: 75.779 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026686.D
Acq: 31 Jan 2022 17:26

Tgt Ion: 75 Resp: 45061
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#

