

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072221\
 Data File : VX023405.D
 Acq On : 23 Jul 2021 04:25
 Operator : JC/MD
 Sample : PB137858ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137858ZHE#06

Quant Time: Jul 23 06:13:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:05:38 2021
 Response via : Initial Calibration

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

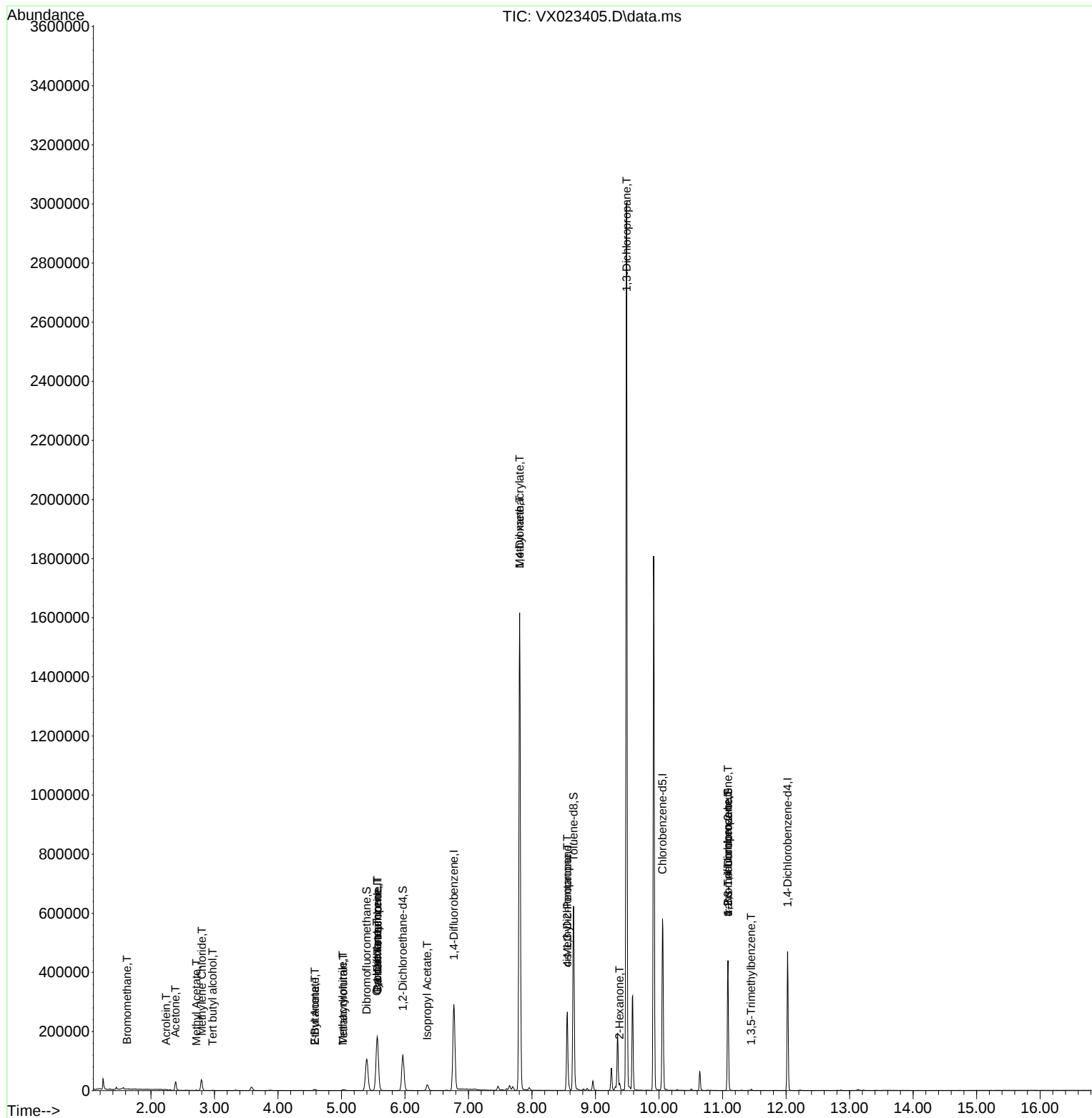
Internal Standards						
1) Pentafluorobenzene	5.562	168	173560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	294865	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	260810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95260	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	113122	52.250	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.500%			
35) Dibromofluoromethane	5.397	113	92641	50.249	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.500%			
50) Toluene-d8	8.653	98	359565	53.084	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.160%			
62) 4-Bromofluorobenzene	11.085	95	111012	48.197	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.400%			
Target Compounds					Qvalue	
5) Bromomethane	1.624	94	598	0.535	ug/l	98
11) Tert butyl alcohol	2.971	59	695	1.405	ug/l #	73
13) Acrolein	2.239	56	92	1.728	ug/l #	1
16) Acetone	2.386	43	30262	28.495	ug/l	97
18) Methyl Acetate	2.715	43	1699	0.673	ug/l	91
20) Methylene Chloride	2.800	84	16138	7.812	ug/l	95
25) 2-Butanone	4.580	43	6754	4.096	ug/l #	78
29) Tetrahydrofuran	5.025	42	2683	2.483	ug/l	94
31) Cyclohexane	5.556	56	3783	1.180	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	12744	4.778	ug/l #	50
37) Ethyl Acetate	4.580	43	6754	2.008	ug/l #	64
38) Carbon Tetrachloride	5.568	117	17406	6.417	ug/l #	16
41) Methacrylonitrile	5.019	41	1115	0.628	ug/l #	5
43) Isopropyl Acetate	6.348	43	26261	5.039	ug/l	95
48) Methyl methacrylate	7.805	41	138780	57.500	ug/l #	37
49) 1,4-Dioxane	7.805	88	233	4.534	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	92571	29.042	ug/l #	46
54) cis-1,3-Dichloropropene	8.555	75	40728	12.775	ug/l #	67
57) 1,3-Dichloropropane	9.488	76	24801	7.356	ug/l #	43
59) 2-Hexanone	9.378	43	10596	4.378	ug/l #	19
76) 1,2,3-Trichloropropane	11.085	75	55527	26.489	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	1744	0.298	ug/l	85
81) trans-1,4-Dichloro-2-b...	11.085	75	55527	71.224	ug/l #	12

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 23 06:05:38 2021
Response via : Initial Calibration

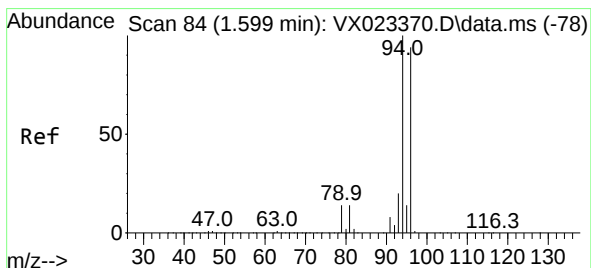
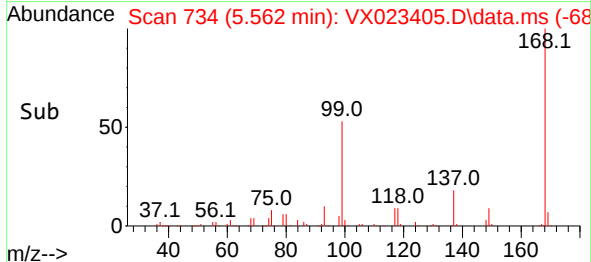
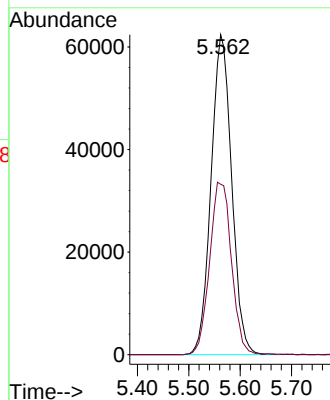
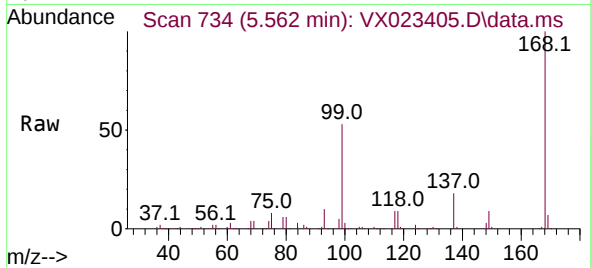




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

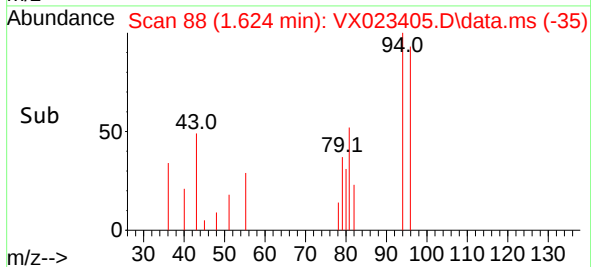
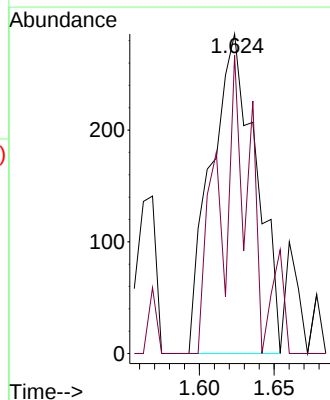
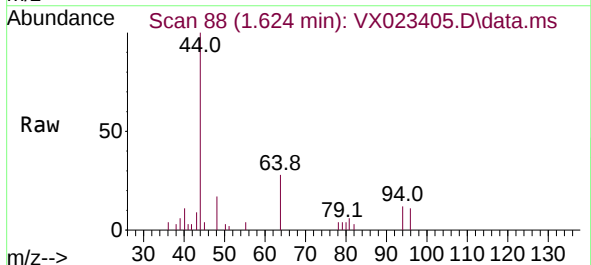
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#06

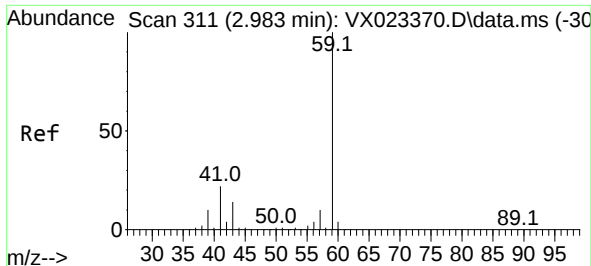
Tgt Ion:168 Resp: 173560
Ion Ratio Lower Upper
168 100
99 53.3 45.8 68.6



#5
Bromomethane
Concen: 0.535 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

Tgt Ion: 94 Resp: 598
Ion Ratio Lower Upper
94 100
96 93.4 76.4 114.6

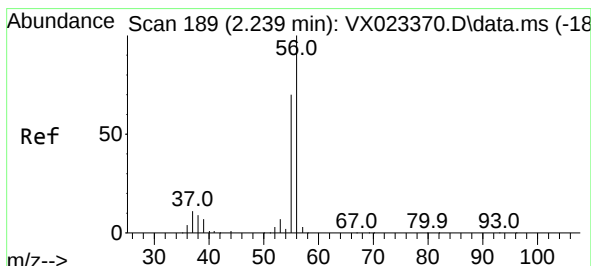
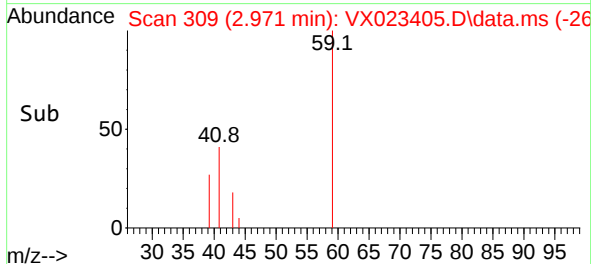
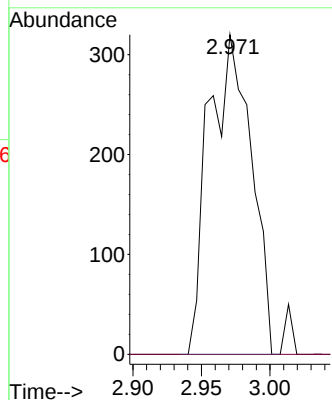
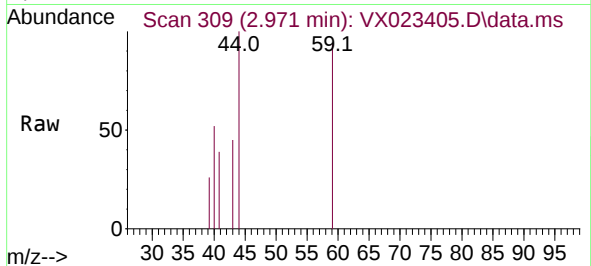




#11
Tert butyl alcohol
Concen: 1.405 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

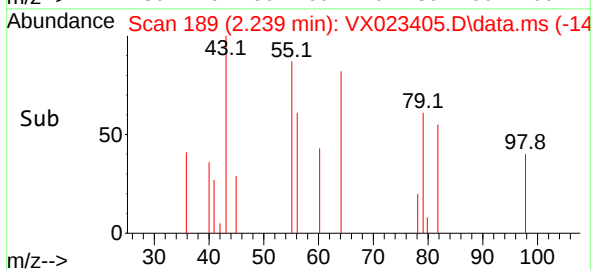
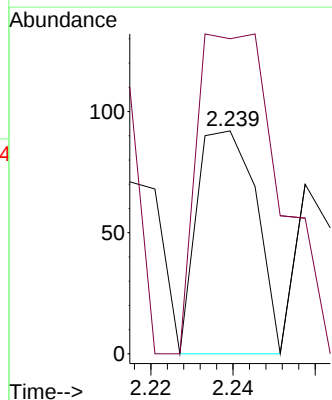
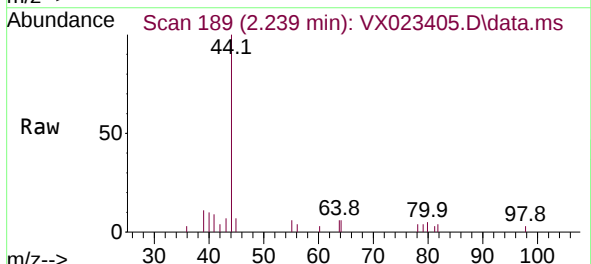
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#06

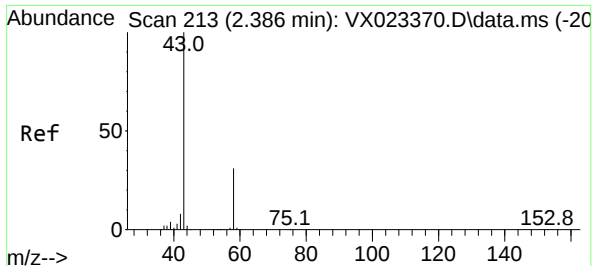
Tgt Ion: 59 Resp: 695
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 1.728 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

Tgt Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 201.1 56.4 84.6#

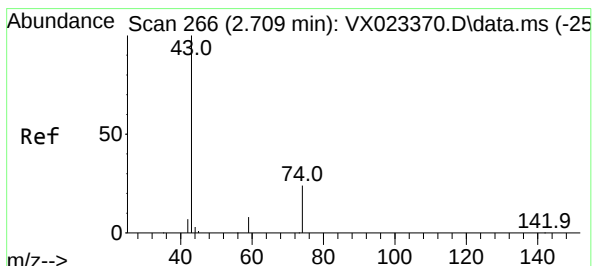
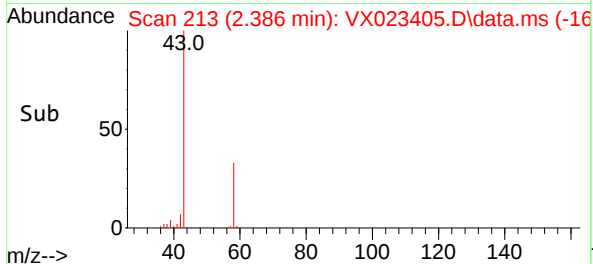
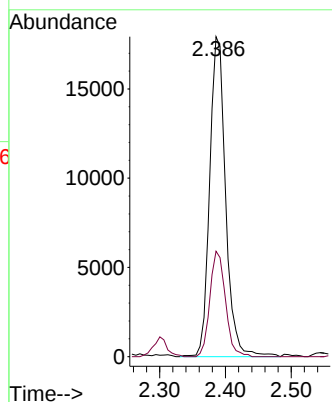
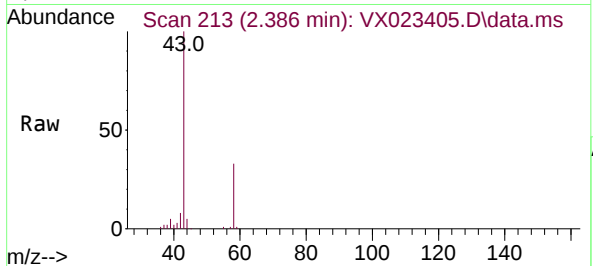




#16
Acetone
Concen: 28.495 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

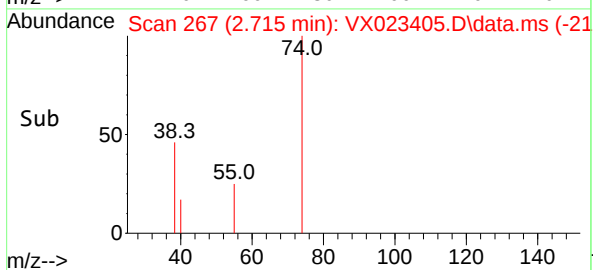
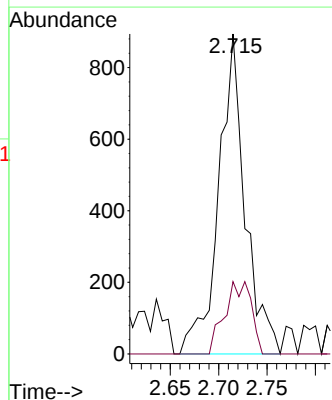
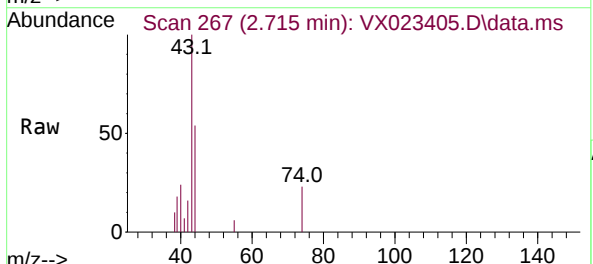
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#06

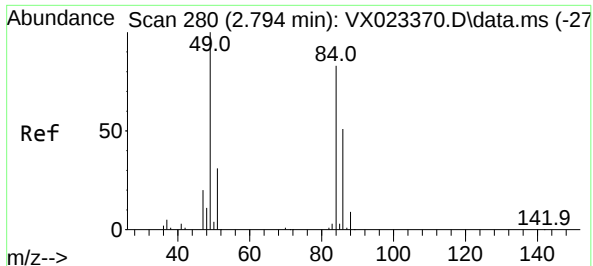
Tgt Ion: 43 Resp: 30262
Ion Ratio Lower Upper
43 100
58 32.9 27.8 41.8



#18
Methyl Acetate
Concen: 0.673 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

Tgt Ion: 43 Resp: 1699
Ion Ratio Lower Upper
43 100
74 22.8 21.9 32.9

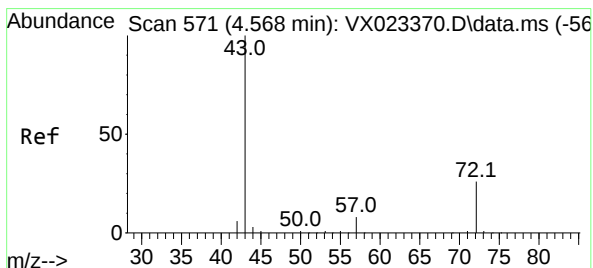
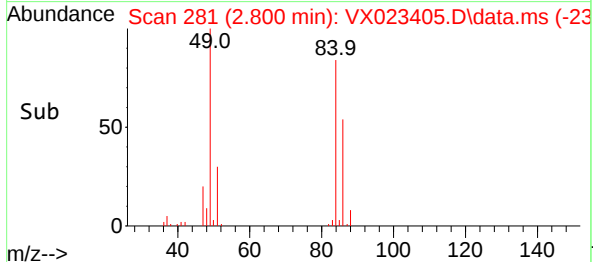
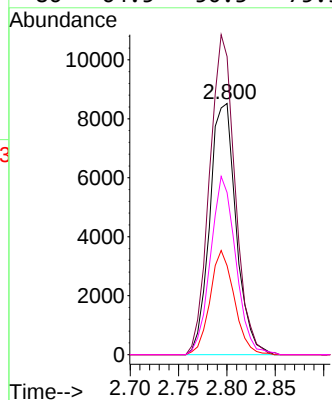
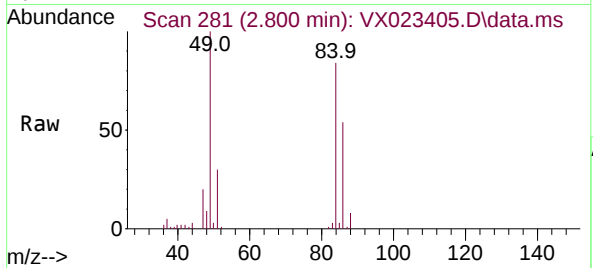




#20
Methylene Chloride
Concen: 7.812 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

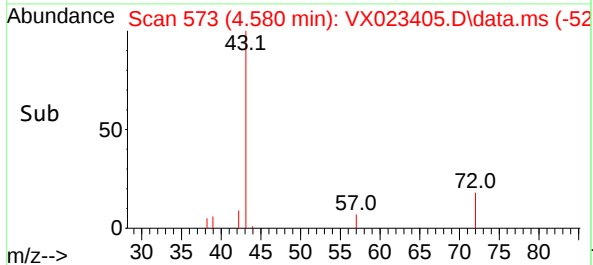
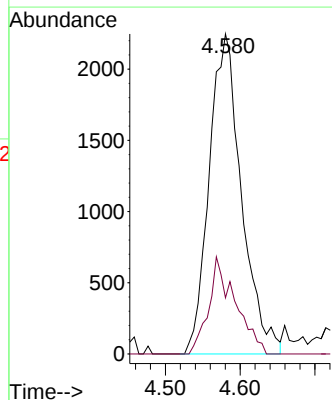
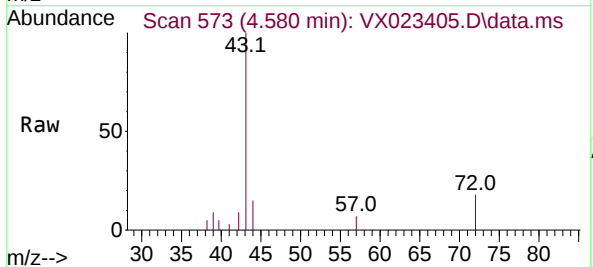
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#06

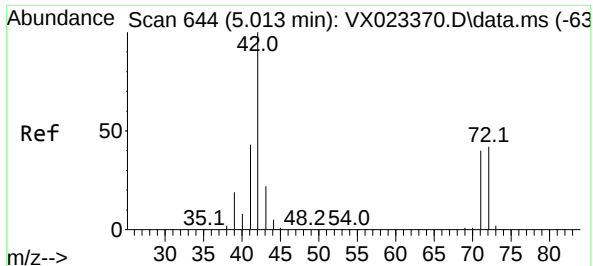
Tgt Ion: 84	Resp: 16138
Ion Ratio	Lower Upper
84 100	
49 118.7	88.6 132.8
51 35.4	27.0 40.6
86 64.5	50.3 75.5



#25
2-Butanone
Concen: 4.096 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

Tgt Ion: 43	Resp: 6754
Ion Ratio	Lower Upper
43 100	
72 17.6	23.7 35.5#





#29

Tetrahydrofuran

Concen: 2.483 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.012 min

Lab File: VX023405.D

Acq: 23 Jul 2021 04:25

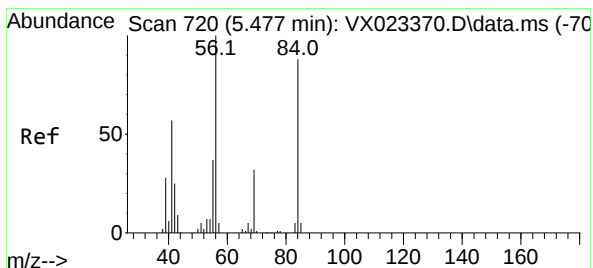
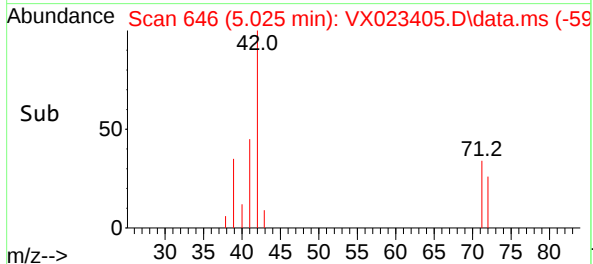
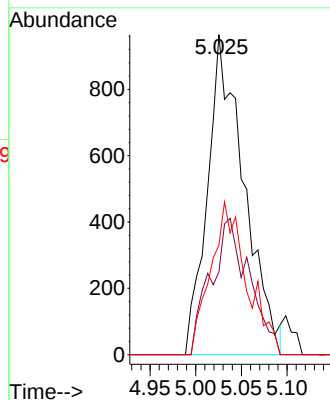
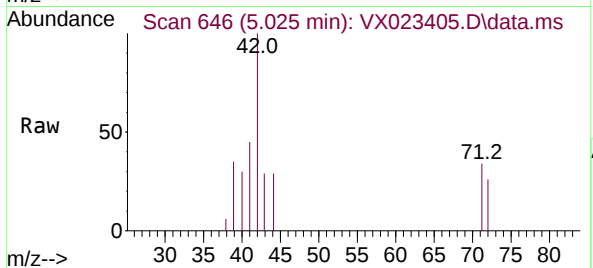
Instrument :

MSVOA_X

ClientSampleId :

PB137858ZHE#06

Tgt Ion:	42	Resp:	2683
Ion	Ratio	Lower	Upper
42	100		
72	44.7	41.7	62.5
71	47.0	38.4	57.6



#31

Cyclohexane

Concen: 1.180 ug/l

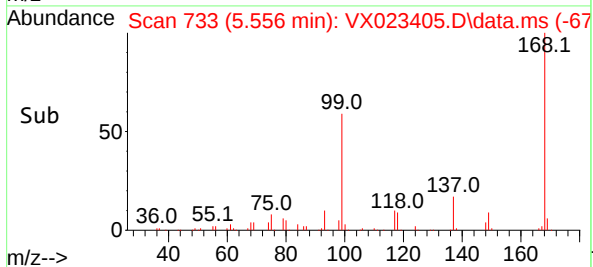
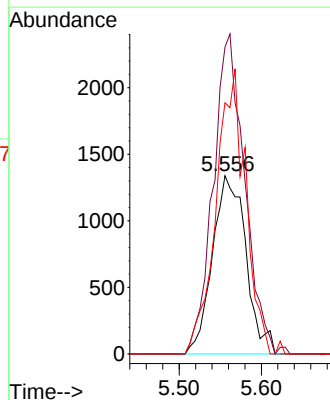
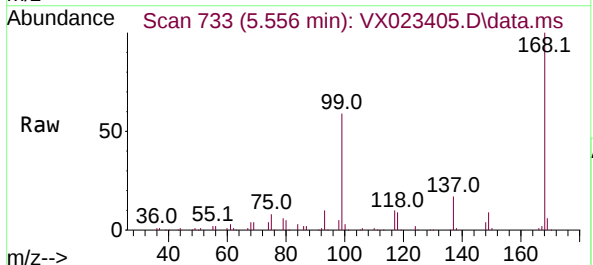
RT: 5.556 min Scan# 733

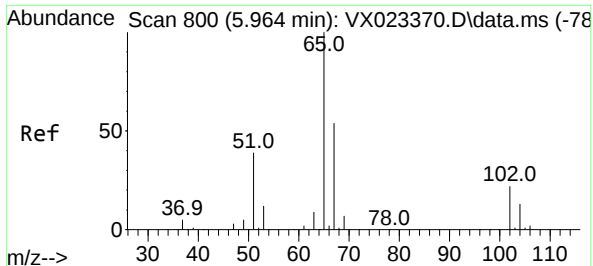
Delta R.T. 0.079 min

Lab File: VX023405.D

Acq: 23 Jul 2021 04:25

Tgt Ion:	56	Resp:	3783
Ion	Ratio	Lower	Upper
56	100		
69	172.1	25.3	37.9#
84	140.9	71.4	107.0#



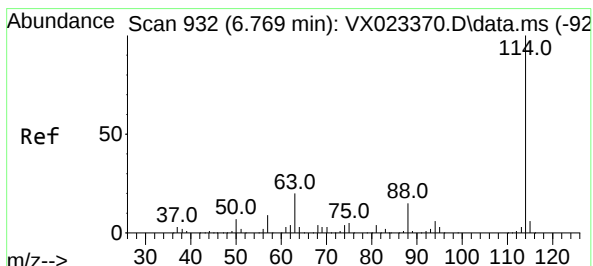
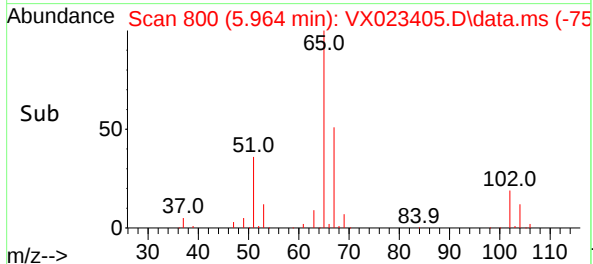
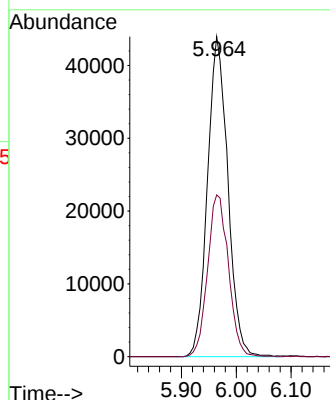
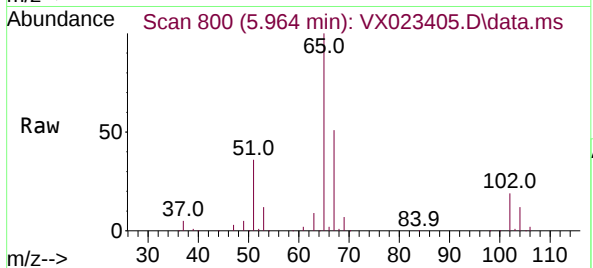


#33

1,2-Dichloroethane-d4
Concen: 52.250 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023405.D
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Instrument :
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PB137858ZHE#06

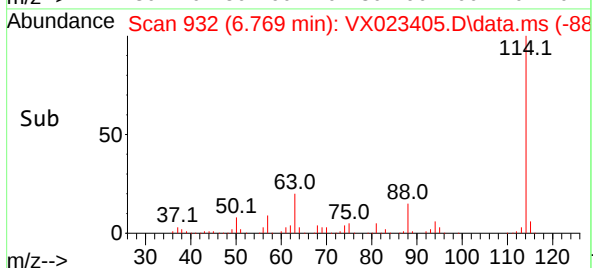
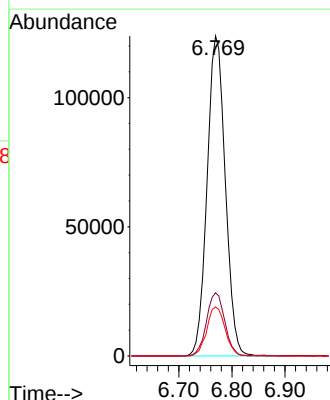
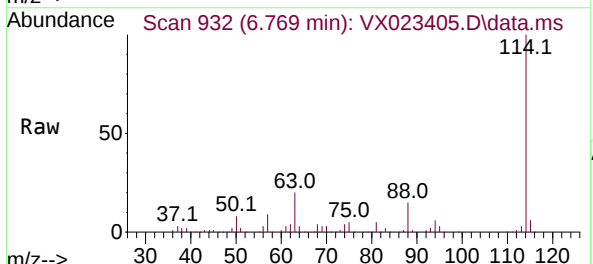
Tgt Ion: 65 Resp: 113122
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.4

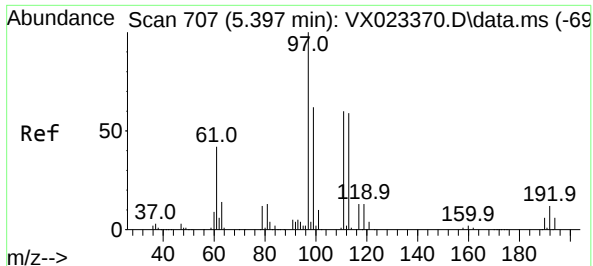


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

Tgt Ion: 114 Resp: 294865
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.8
88 15.3 0.0 32.8

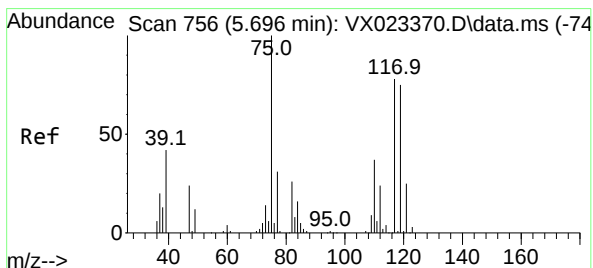
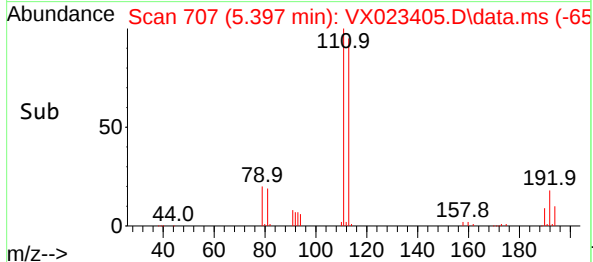
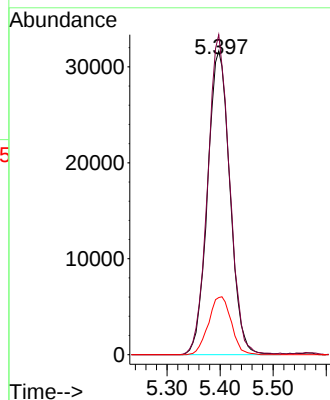
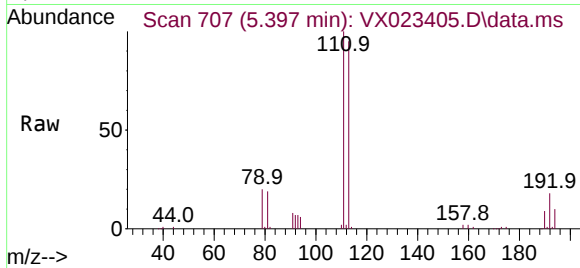




#35
Dibromofluoromethane
Concen: 50.249 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

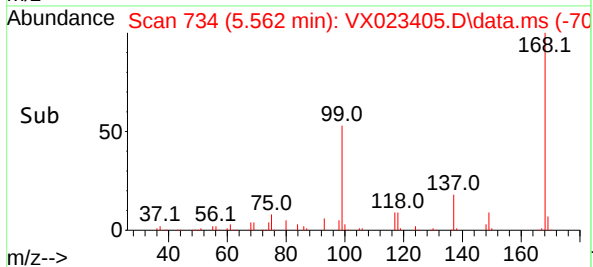
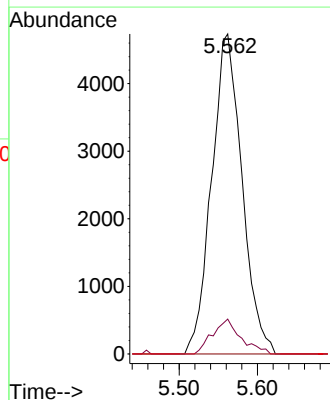
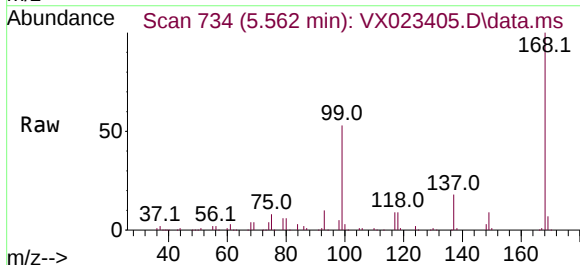
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#06

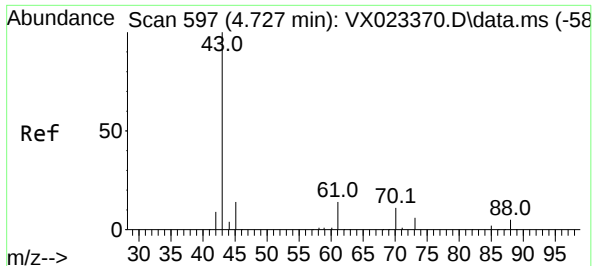
Tgt Ion:	113	Resp:	92641
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.9	122.9
192	19.4	16.7	25.1



#36
1,1-Dichloropropene
Concen: 4.778 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

Tgt Ion:	75	Resp:	12744
Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.1	54.4#
77	0.0	25.3	37.9#





#37

Ethyl Acetate

Concen: 2.008 ug/l

RT: 4.580 min Scan# 573

Delta R.T. -0.147 min

Lab File: VX023405.D

Acq: 23 Jul 2021 04:25

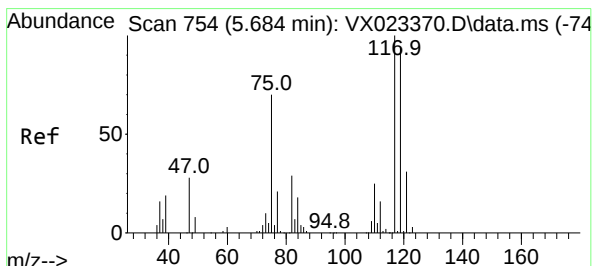
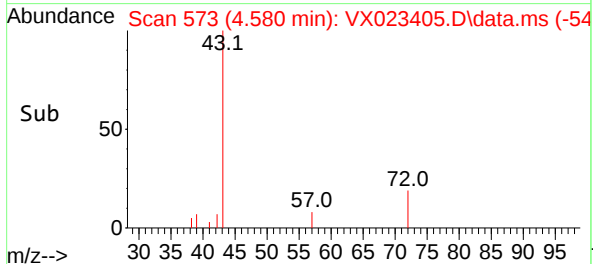
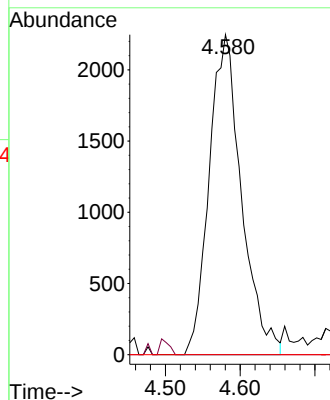
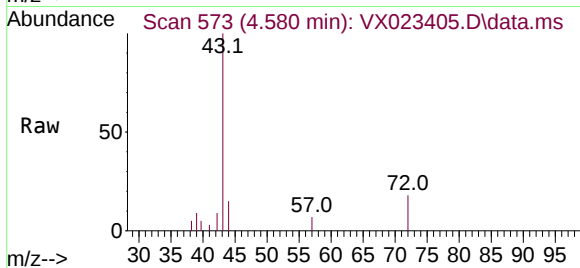
Instrument :

MSVOA_X

ClientSampleId :

PB137858ZHE#06

Tgt Ion: 43	Resp: 6754
Ion Ratio	Lower Upper
43 100	
61 0.0	12.8 19.2#
70 0.0	10.5 15.7#



#38

Carbon Tetrachloride

Concen: 6.417 ug/l

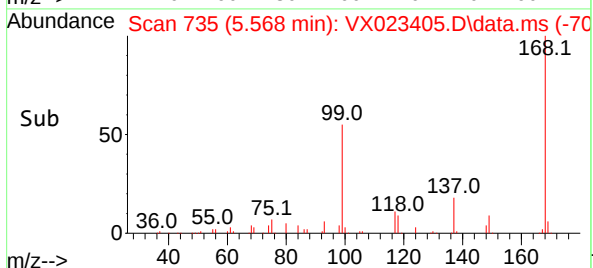
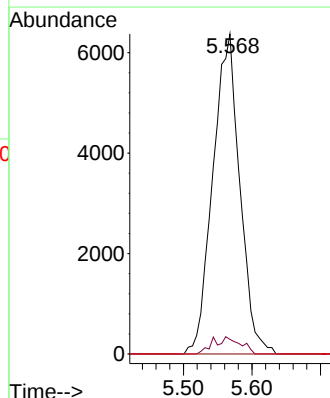
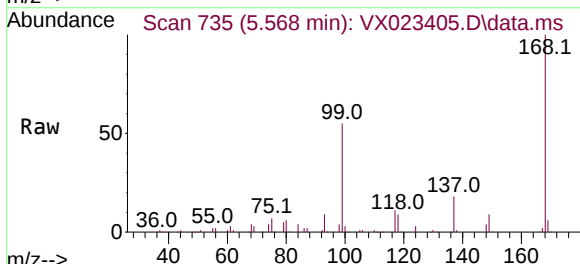
RT: 5.568 min Scan# 735

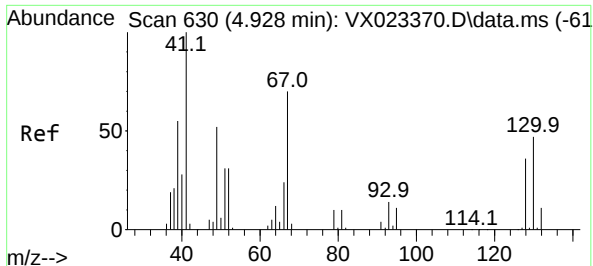
Delta R.T. -0.116 min

Lab File: VX023405.D

Acq: 23 Jul 2021 04:25

Tgt Ion: 117	Resp: 17406
Ion Ratio	Lower Upper
117 100	
119 4.6	76.2 114.2#
121 0.0	24.8 37.2#

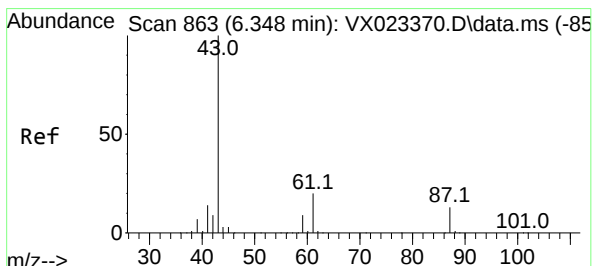
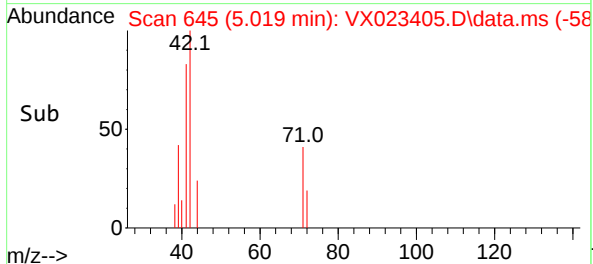
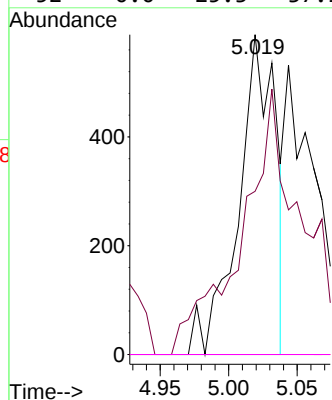
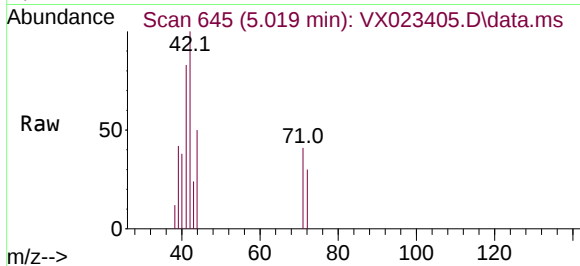




#41
Methacrylonitrile
Concen: 0.628 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.091 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

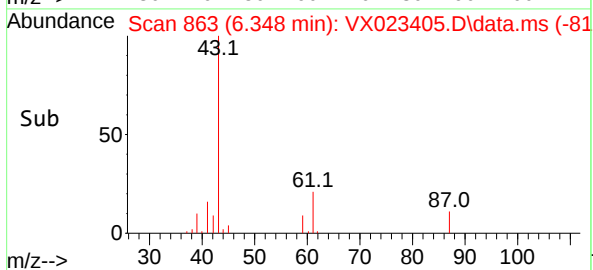
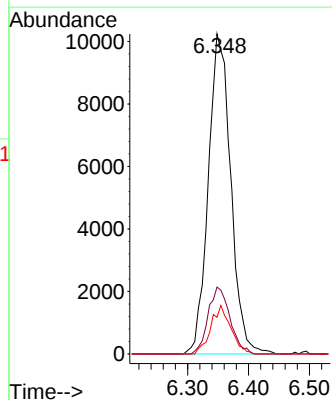
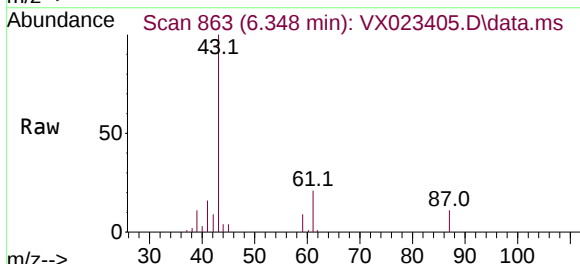
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#06

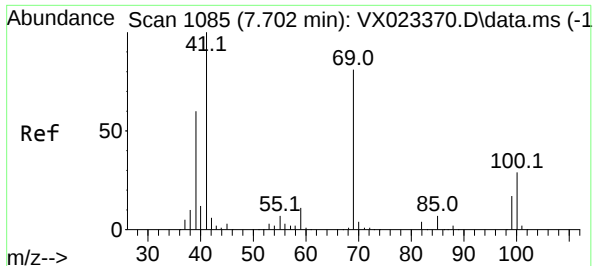
Tgt Ion:	41	Resp:	1115
Ion	Ratio	Lower	Upper
41	100		
39	141.1	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 5.039 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

Tgt Ion:	43	Resp:	26261
Ion	Ratio	Lower	Upper
43	100		
61	20.2	18.2	27.4
87	13.5	12.5	18.7

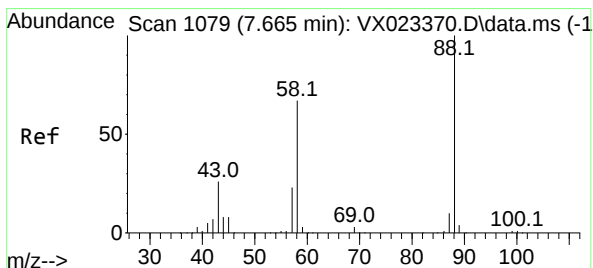
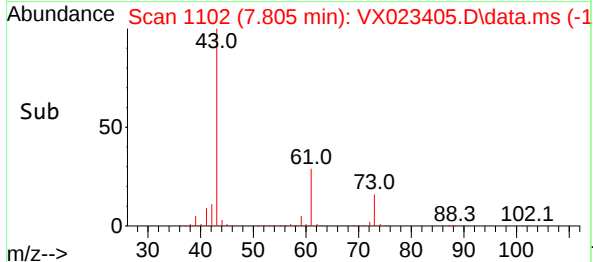
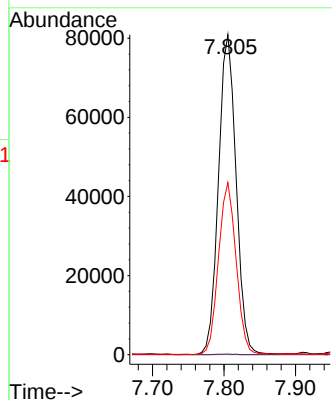
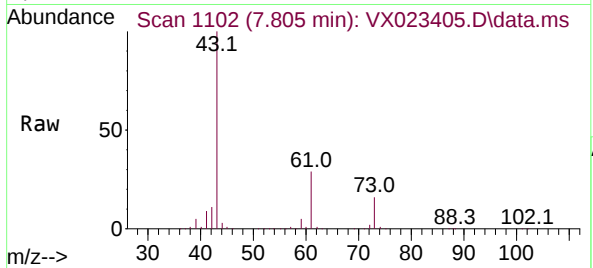




#48
Methyl methacrylate
Concen: 57.500 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

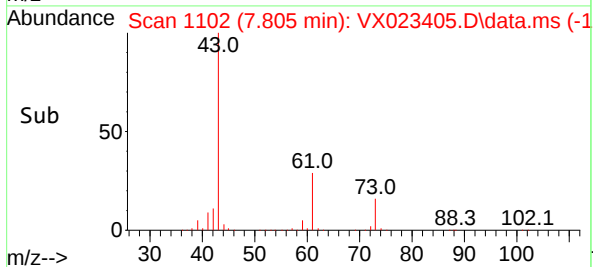
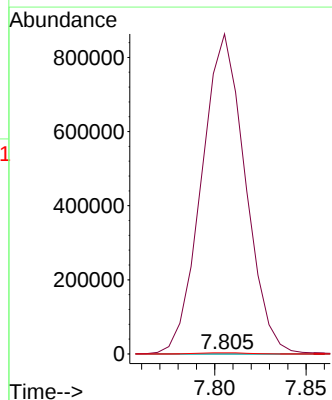
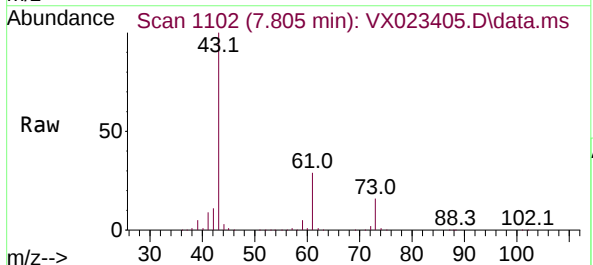
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#06

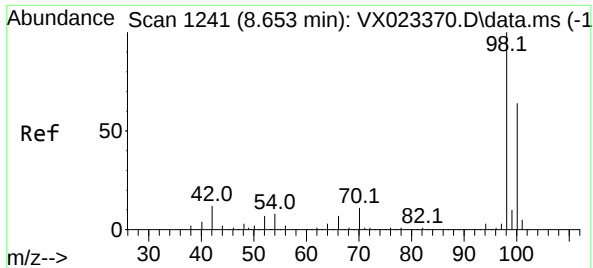
Tgt Ion: 41 Resp: 138780
Ion Ratio Lower Upper
41 100
69 0.2 76.0 114.0#
39 53.7 44.6 67.0



#49
1,4-Dioxane
Concen: 4.534 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.140 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

Tgt Ion: 88 Resp: 233
Ion Ratio Lower Upper
88 100
43 619100.4 23.2 34.8#
58 2596.1 55.0 82.4#

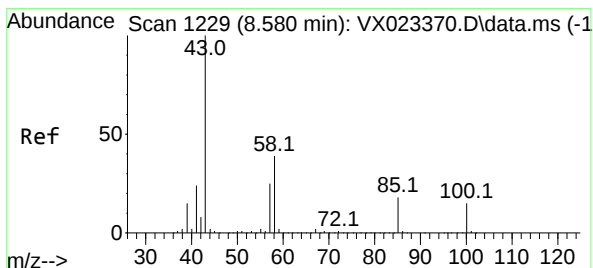
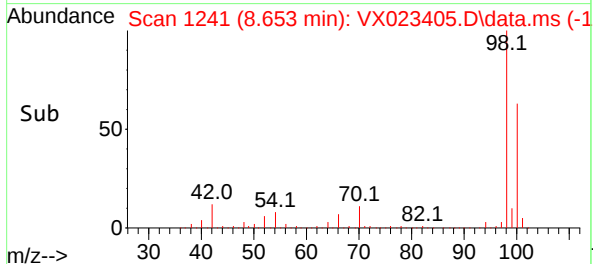
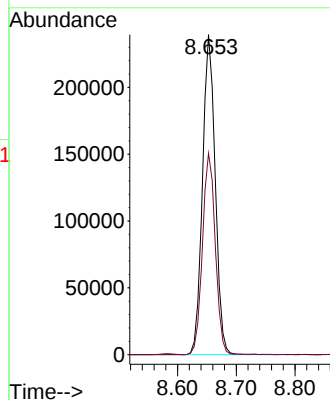
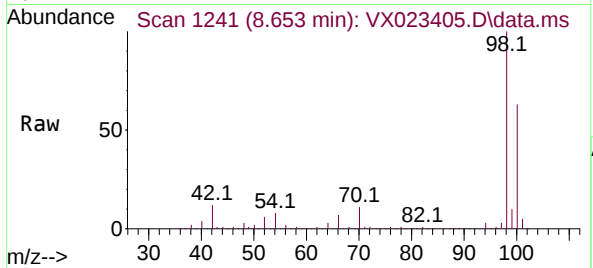




#50
Toluene-d8
Concen: 53.084 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

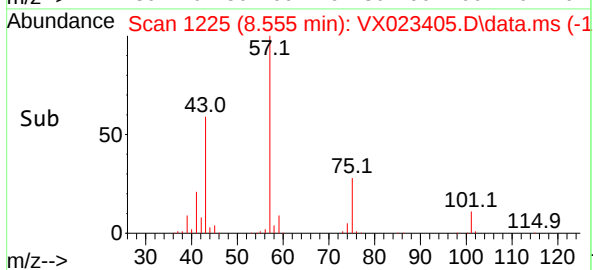
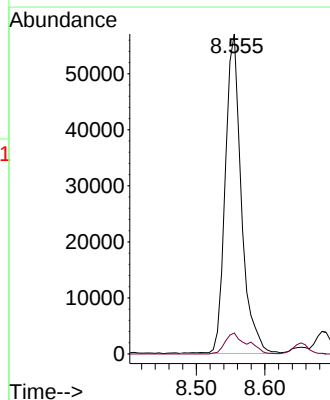
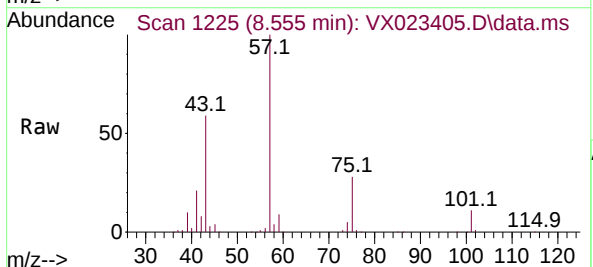
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#06

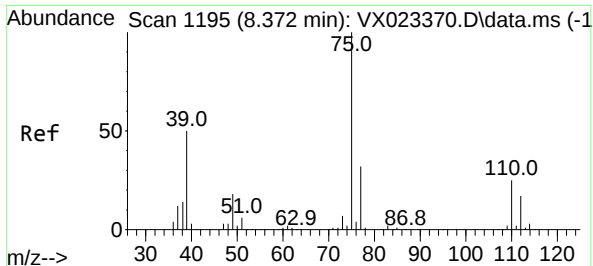
Tgt Ion: 98 Resp: 359565
Ion Ratio Lower Upper
98 100
100 63.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 29.042 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

Tgt Ion: 43 Resp: 92571
Ion Ratio Lower Upper
43 100
58 9.0 35.4 53.0#

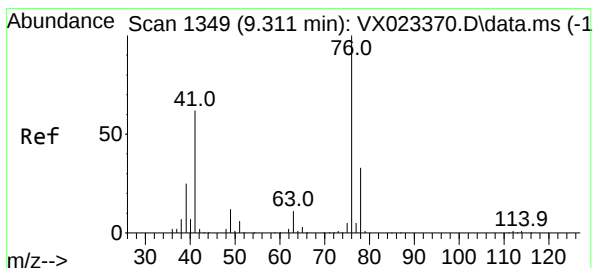
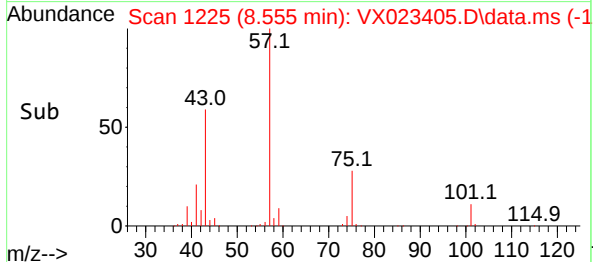
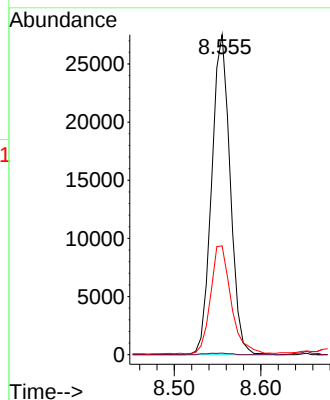
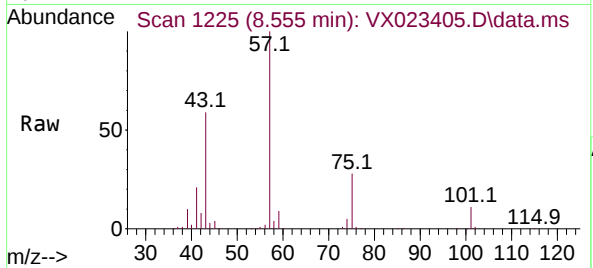




#54
 cis-1,3-Dichloropropene
 Concen: 12.775 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX023405.D
 Acq: 23 Jul 2021 04:25

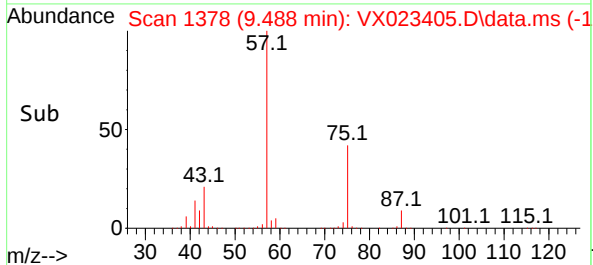
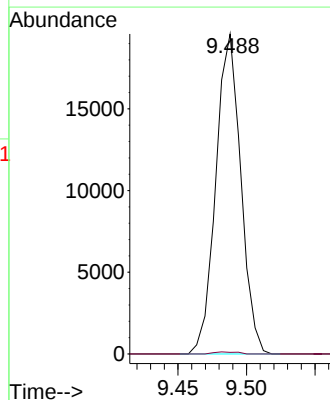
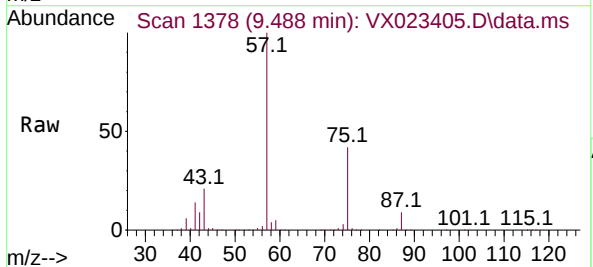
Instrument :
 MSVOA_X
 ClientSampleId :
 PB137858ZHE#06

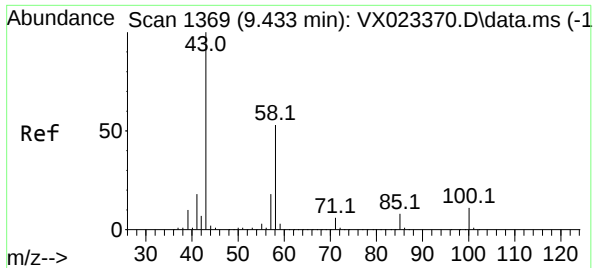
Tgt Ion: 75 Resp: 40728
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.7 38.5#
 39 33.6 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 7.356 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX023405.D
 Acq: 23 Jul 2021 04:25

Tgt Ion: 76 Resp: 24801
 Ion Ratio Lower Upper
 76 100
 78 0.6 26.2 39.2#

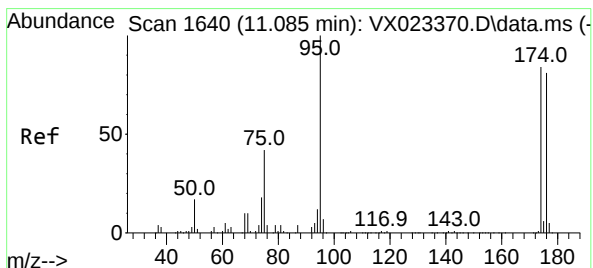
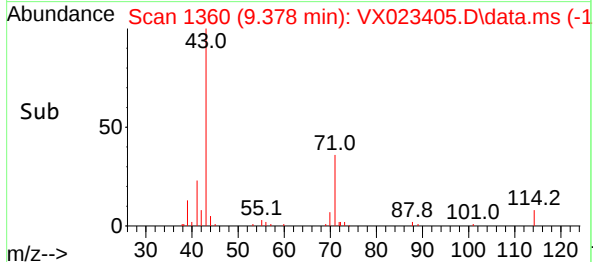
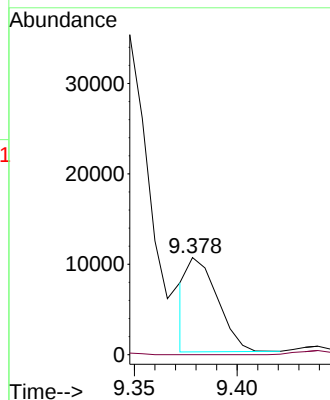
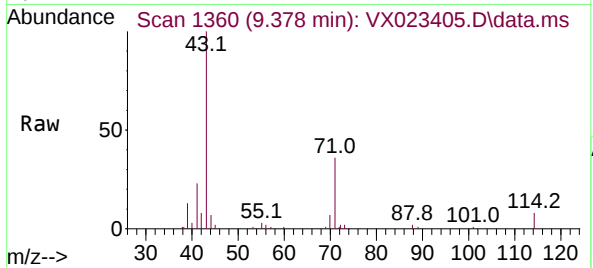




#59
2-Hexanone
Concen: 4.378 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

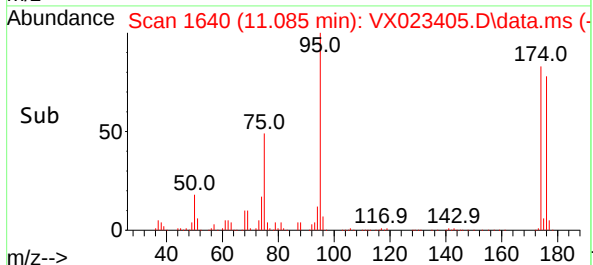
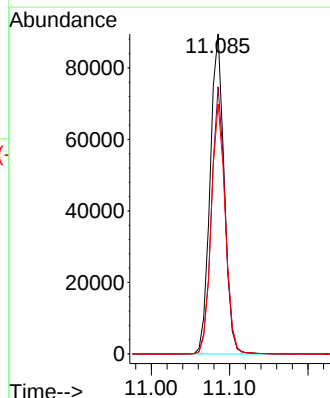
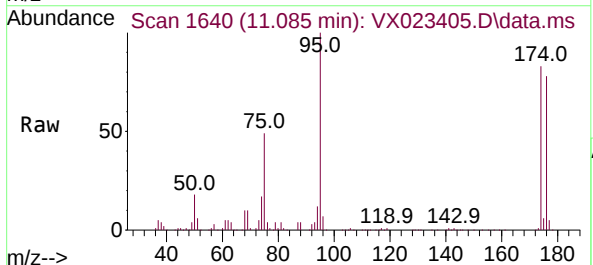
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#06

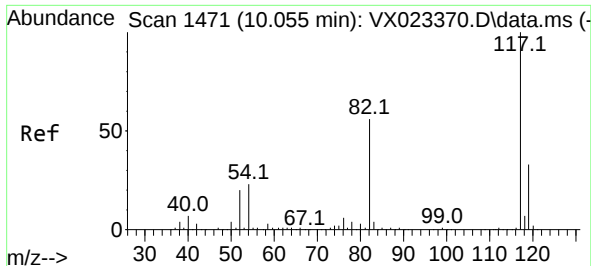
Tgt Ion: 43 Resp: 10596
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 48.197 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

Tgt Ion: 95 Resp: 111012
Ion Ratio Lower Upper
95 100
174 81.3 0.0 154.6
176 77.8 0.0 155.8

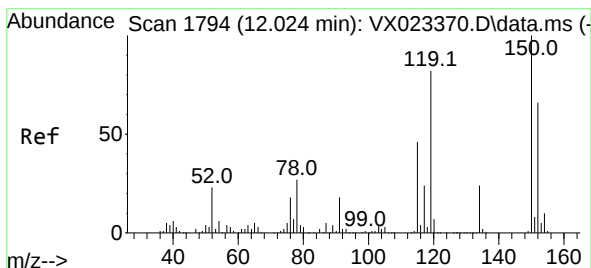
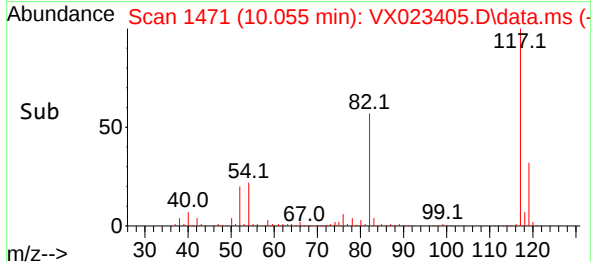
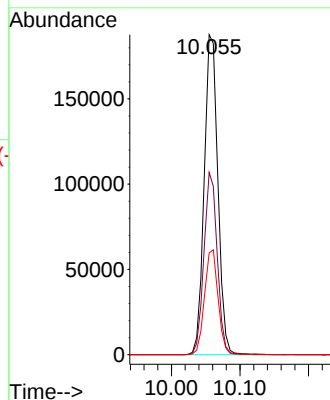
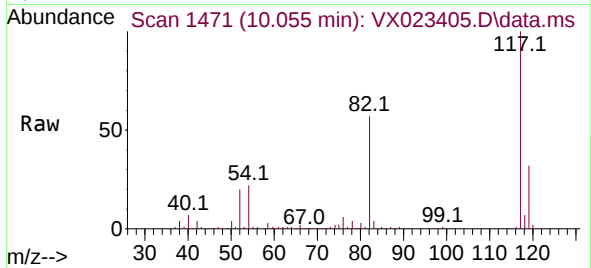




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

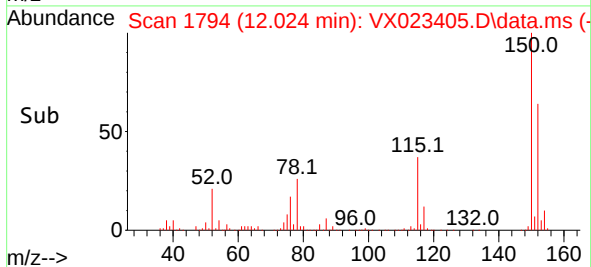
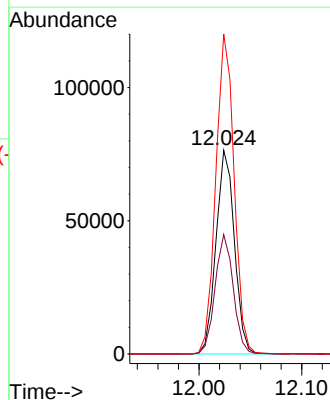
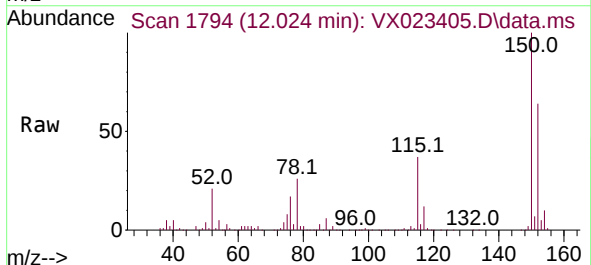
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#06

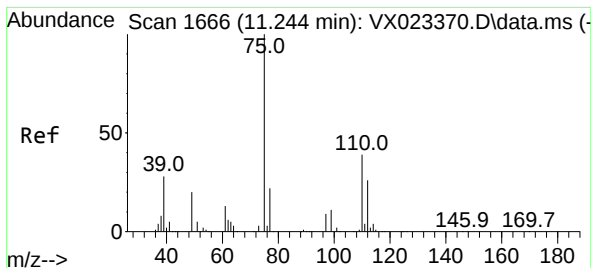
Tgt Ion:117 Resp: 260810
Ion Ratio Lower Upper
117 100
82 56.9 47.4 71.2
119 31.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

Tgt Ion:152 Resp: 95260
Ion Ratio Lower Upper
152 100
115 57.8 41.1 123.3
150 155.9 0.0 349.0

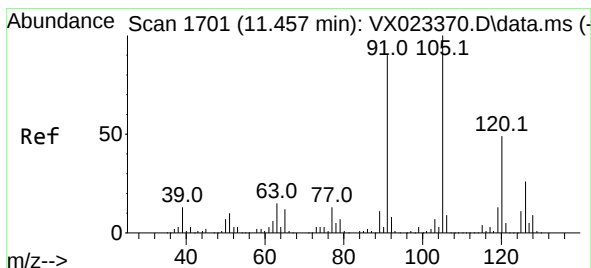
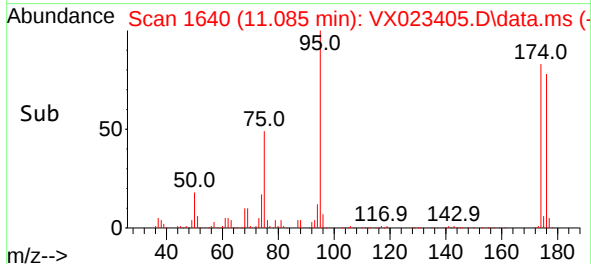
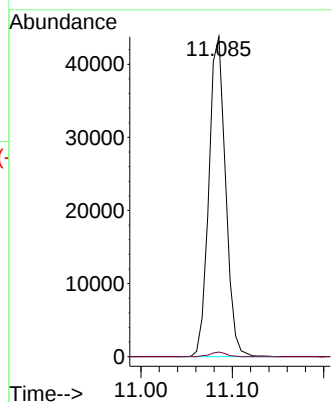
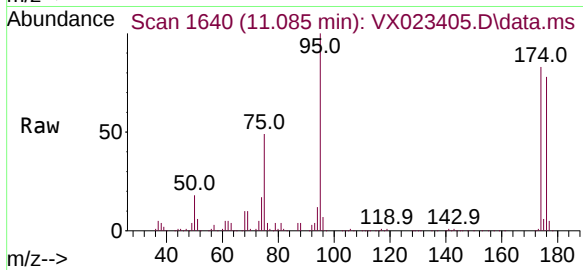




#76
1,2,3-Trichloropropane
Concen: 26.489 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

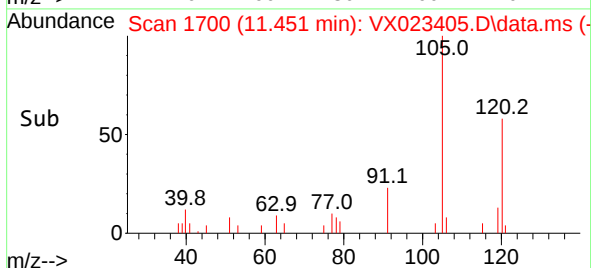
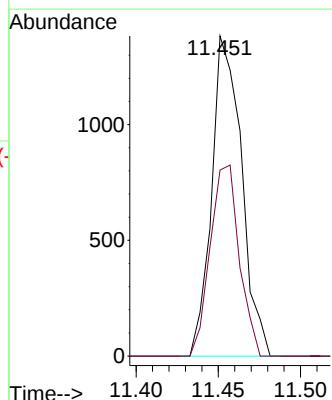
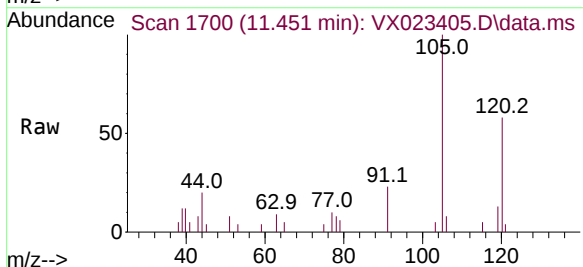
Instrument :
MSVOA_X
ClientSampleId :
PB137858ZHE#06

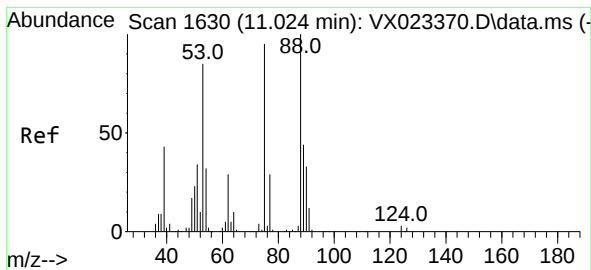
Tgt Ion: 75 Resp: 55527
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.298 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX023405.D
Acq: 23 Jul 2021 04:25

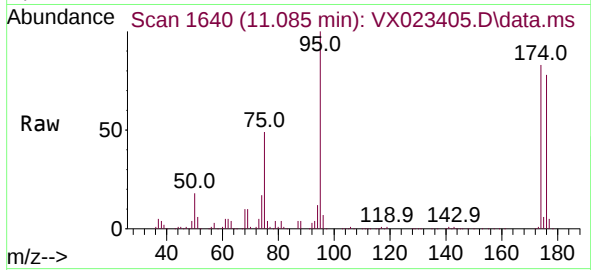
Tgt Ion: 105 Resp: 1744
Ion Ratio Lower Upper
105 100
120 58.1 23.8 71.5





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.224 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX023405.D
 Acq: 23 Jul 2021 04:25

Instrument :
 MSVOA_X
 ClientSampleId :
 PB137858ZHE#06



Tgt Ion: 75 Resp: 55527
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

