

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121422\
 Data File : VX033427.D
 Acq On : 14 Dec 2022 18:12
 Operator : JC/MD
 Sample : N6048-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-R

Quant Time: Dec 14 22:53:03 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)

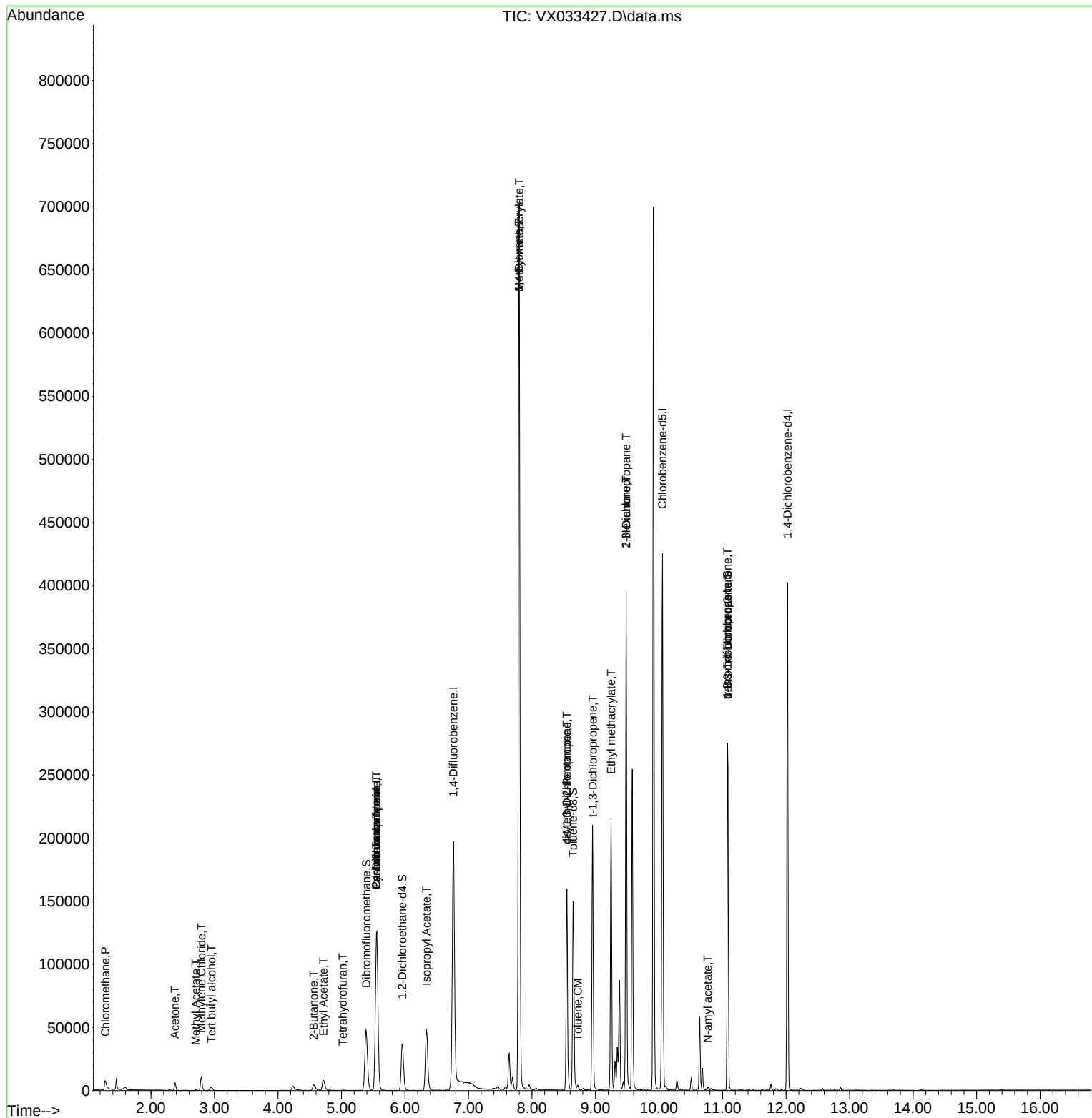
Internal Standards						
1) Pentafluorobenzene	5.550	168	121883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	198453	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	38361	49.060	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.120%		
35) Dibromofluoromethane	5.391	113	42496	47.609	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.220%		
50) Toluene-d8	8.647	98	90729	48.589	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.180%		
62) 4-Bromofluorobenzene	11.079	95	71925	50.377	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.760%		
Target Compounds						Qvalue
3) Chloromethane	1.282	50	292	0.297	ug/l #	43
11) Tert butyl alcohol	2.953	59	2549	10.663	ug/l #	75
16) Acetone	2.380	43	6577	11.367	ug/l	97
18) Methyl Acetate	2.703	43	986	0.589	ug/l	98
20) Methylene Chloride	2.794	84	5235	4.057	ug/l	93
25) 2-Butanone	4.562	43	7798	9.389	ug/l	91
29) Tetrahydrofuran	5.019	42	154	0.286	ug/l #	31
31) Cyclohexane	5.550	56	2465	1.326	ug/l #	35
36) 1,1-Dichloropropene	5.550	75	8973	5.156	ug/l #	51
37) Ethyl Acetate	4.715	43	14127	8.588	ug/l	97
38) Carbon Tetrachloride	5.550	117	12622	6.473	ug/l #	14
43) Isopropyl Acetate	6.336	43	65852	24.879	ug/l	99
48) Methyl methacrylate	7.799	41	62410	45.686	ug/l #	42
49) 1,4-Dioxane	7.793	88	57	1.830	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	53189	31.776	ug/l #	50
52) Toluene	8.720	92	1197	0.365	ug/l	98
53) t-1,3-Dichloropropene	8.958	75	448	2.711	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	24610	12.002	ug/l #	59
56) Ethyl methacrylate	9.244	69	538	0.277	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3281	1.481	ug/l #	42
59) 2-Hexanone	9.482	43	44644	36.192	ug/l #	52
74) N-amyl acetate	10.768	43	1389	0.659	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	37449	21.593	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37449	67.170	ug/l #	6

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

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Instrument :
MSVOA_X
ClientSampleId :
TP-R

Quant Time: Dec 14 22:53:03 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

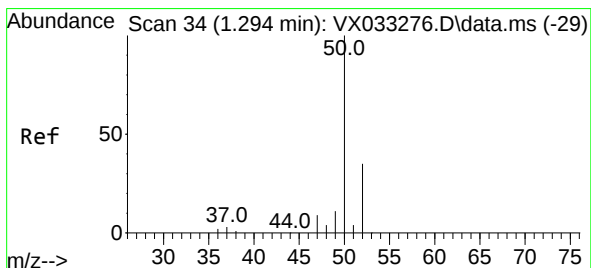
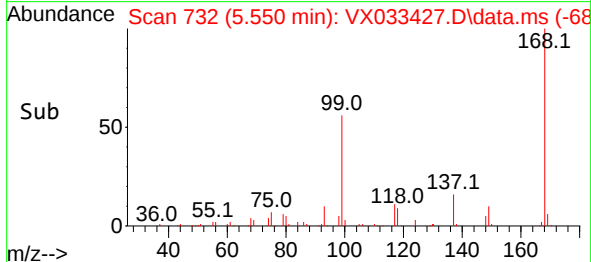
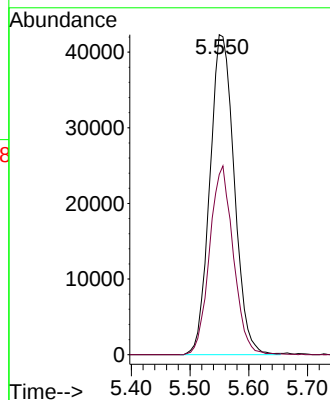
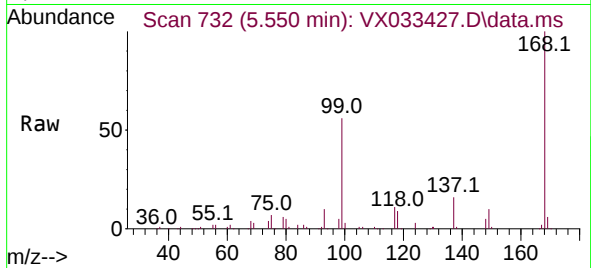




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

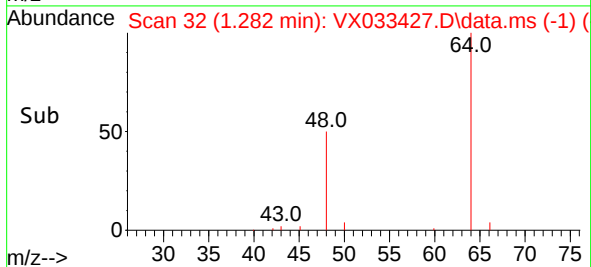
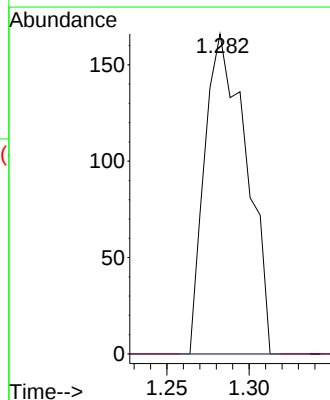
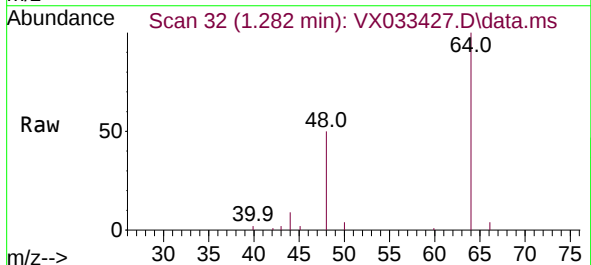
Instrument :
MSVOA_X
ClientSampleId :
TP-R

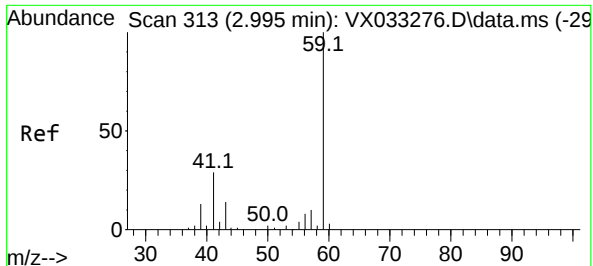
Tgt Ion:168 Resp: 121883
Ion Ratio Lower Upper
168 100
99 56.3 46.1 69.1



#3
Chloromethane
Concen: 0.297 ug/l
RT: 1.282 min Scan# 32
Delta R.T. -0.012 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

Tgt Ion: 50 Resp: 292
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 10.663 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.042 min

Lab File: VX033427.D

Acq: 14 Dec 2022 18:12

Instrument :

MSVOA_X

ClientSampleId :

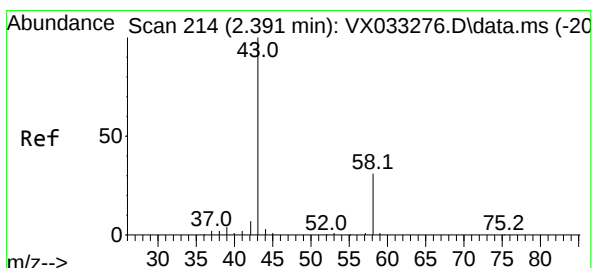
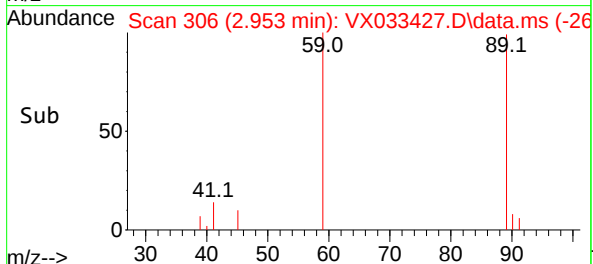
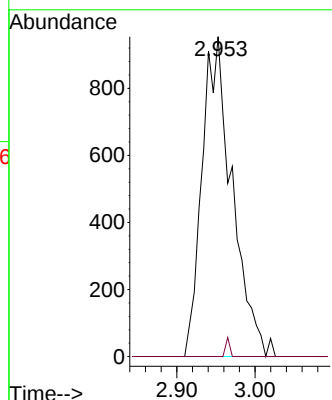
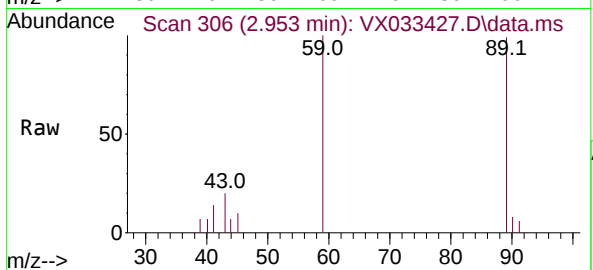
TP-R

Tgt Ion: 59 Resp: 2549

Ion Ratio Lower Upper

59 100

57 0.8 8.2 12.4#



#16

Acetone

Concen: 11.367 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX033427.D

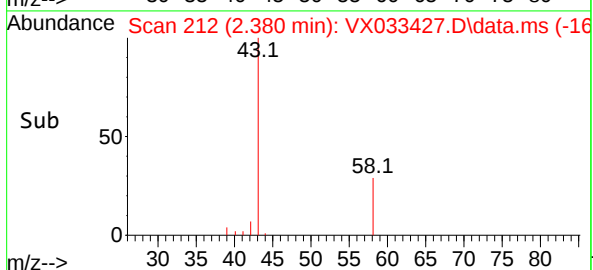
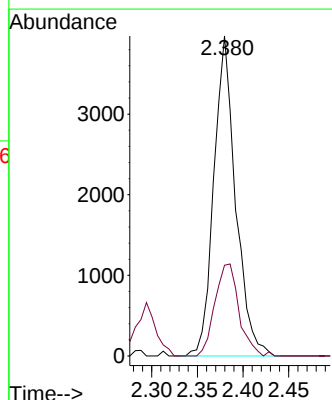
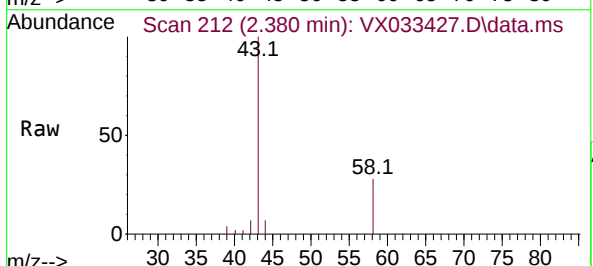
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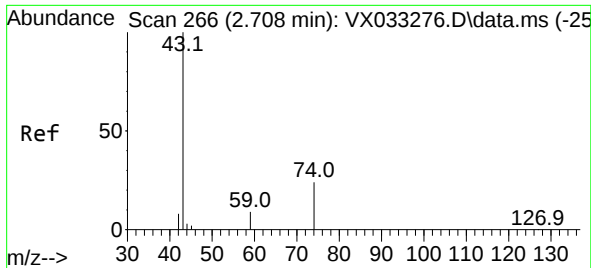
Tgt Ion: 43 Resp: 6577

Ion Ratio Lower Upper

43 100

58 28.3 23.8 35.8

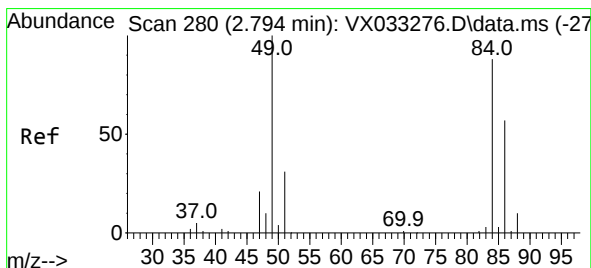
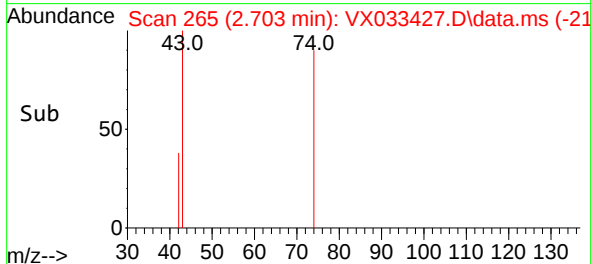
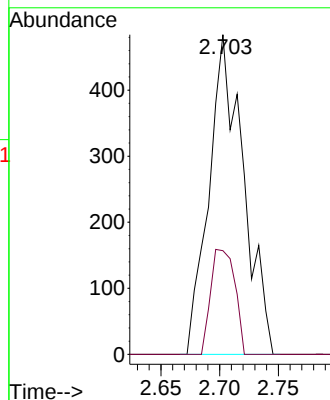
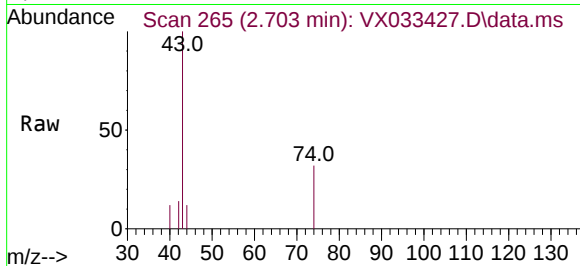




#18
Methyl Acetate
Concen: 0.589 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

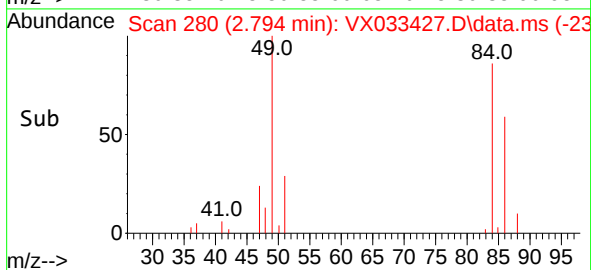
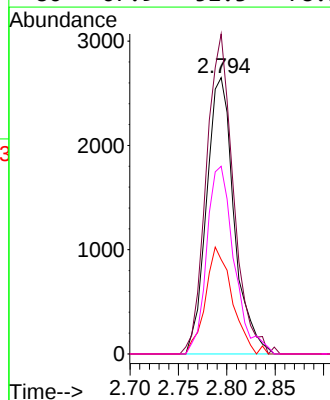
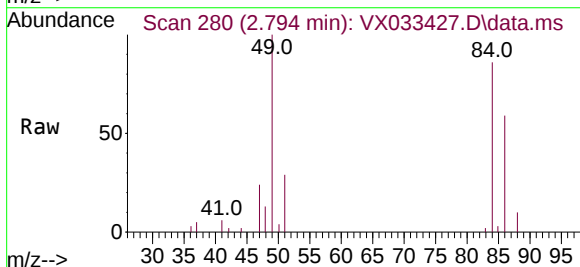
Instrument :
MSVOA_X
ClientSampleId :
TP-R

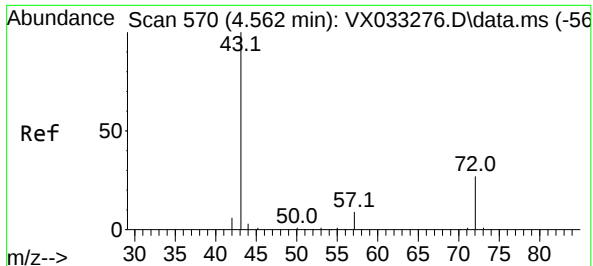
Tgt Ion: 43 Resp: 986
Ion Ratio Lower Upper
43 100
74 23.0 19.4 29.0



#20
Methylene Chloride
Concen: 4.057 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

Tgt Ion: 84 Resp: 5235
Ion Ratio Lower Upper
84 100
49 115.8 101.0 151.6
51 34.2 31.1 46.7
86 67.9 52.3 78.5





#25

2-Butanone

Concen: 9.389 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX033427.D

Acq: 14 Dec 2022 18:12

Instrument :

MSVOA_X

ClientSampleId :

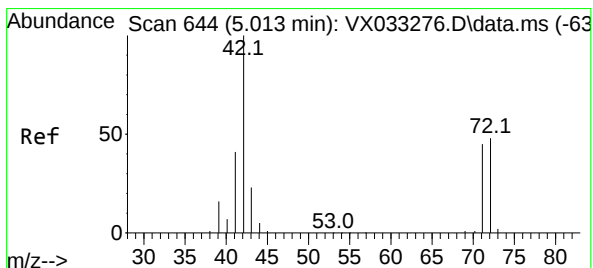
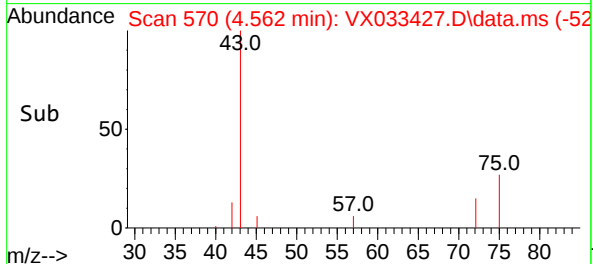
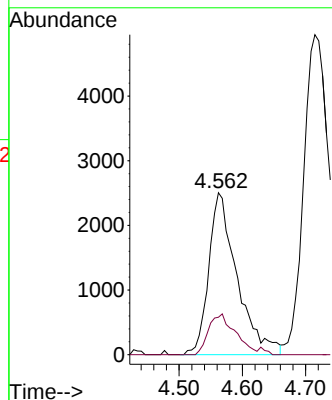
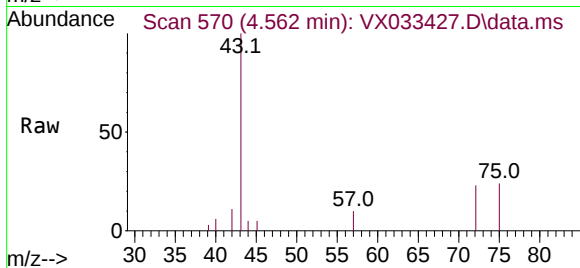
TP-R

Tgt Ion: 43 Resp: 7798

Ion Ratio Lower Upper

43 100

72 23.2 22.2 33.2



#29

Tetrahydrofuran

Concen: 0.286 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.006 min

Lab File: VX033427.D

Acq: 14 Dec 2022 18:12

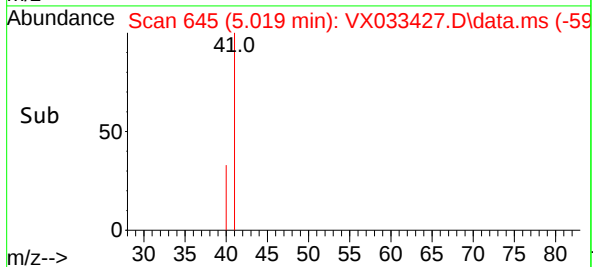
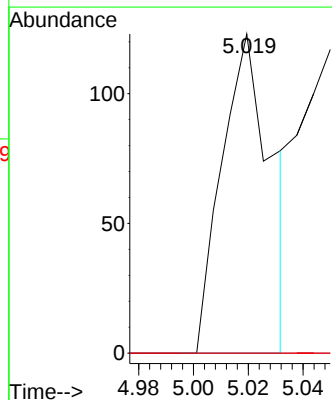
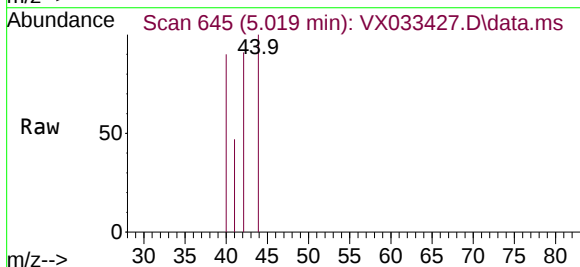
Tgt Ion: 42 Resp: 154

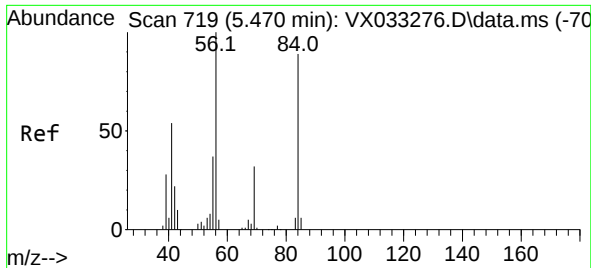
Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

71 0.0 34.7 52.1#

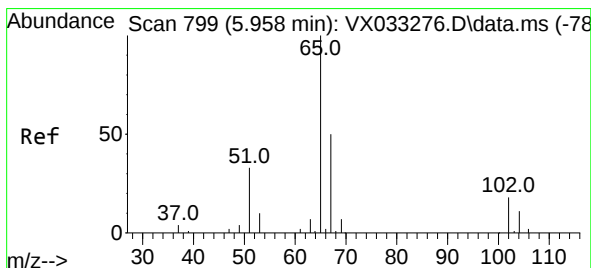
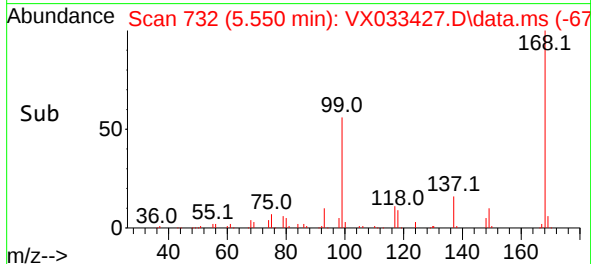
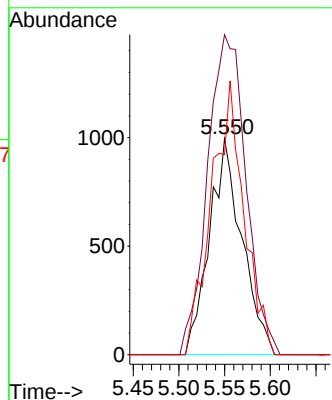
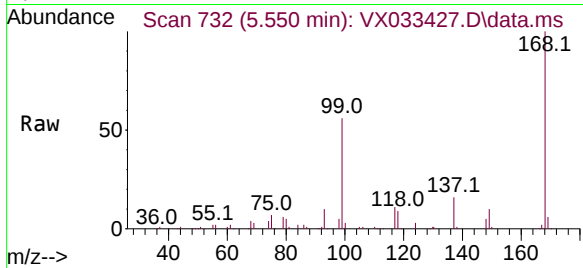




#31
Cyclohexane
Concen: 1.326 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

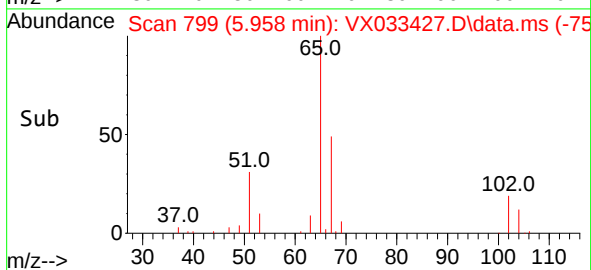
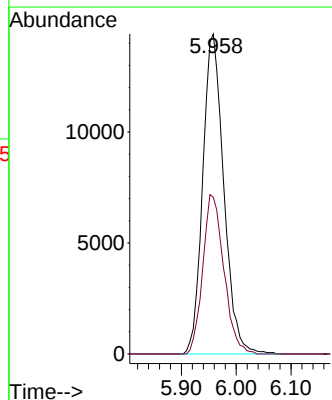
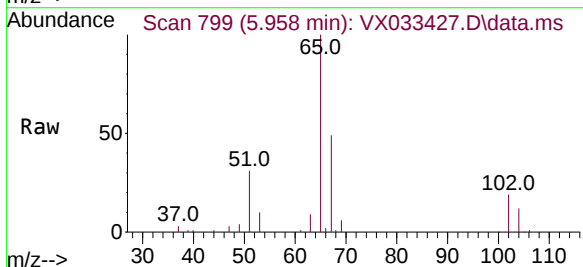
Instrument :
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TP-R

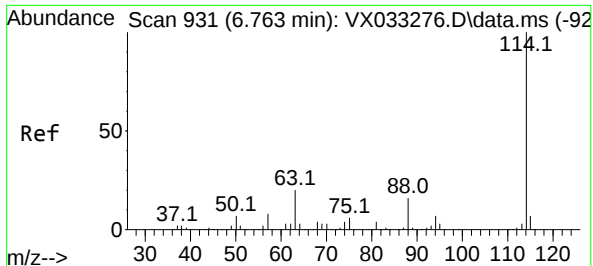
Tgt Ion: 56 Resp: 2465
Ion Ratio Lower Upper
56 100
69 148.3 24.1 36.1#
84 92.8 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 49.060 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

Tgt Ion: 65 Resp: 38361
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.8

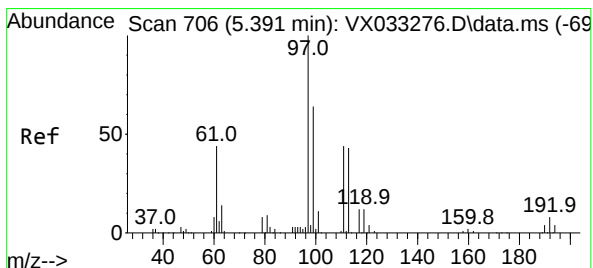
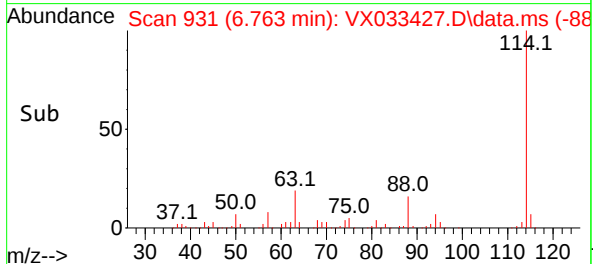
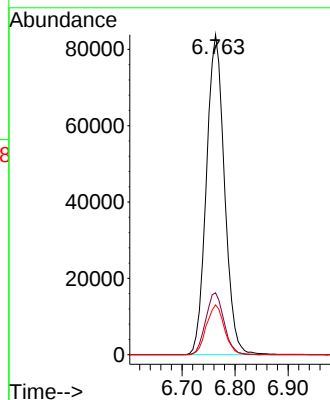
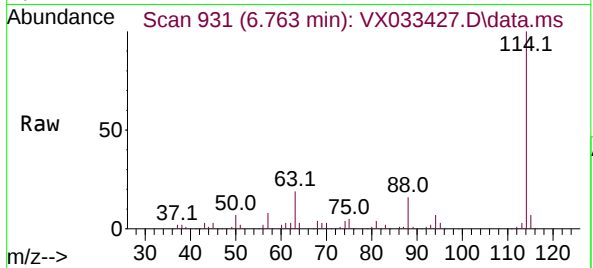




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

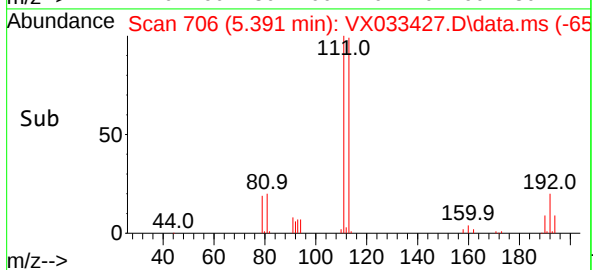
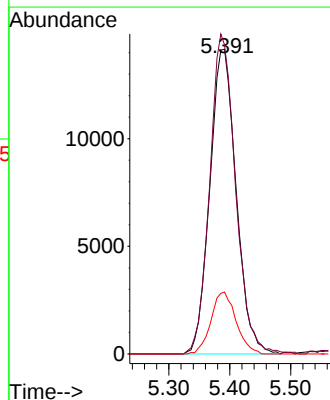
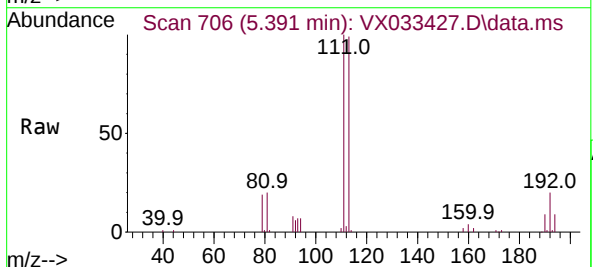
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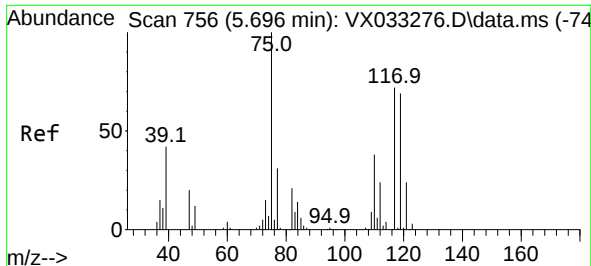
Tgt Ion:114 Resp: 198453
Ion Ratio Lower Upper
114 100
63 19.4 0.0 41.6
88 15.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.609 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

Tgt Ion:113 Resp: 42496
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 19.4 15.4 23.2

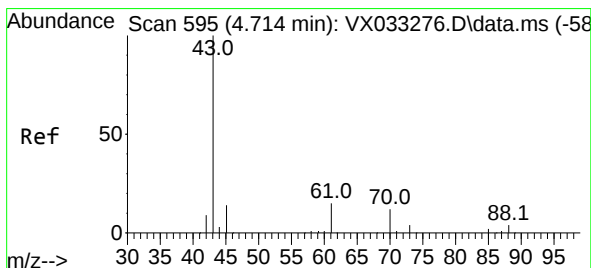
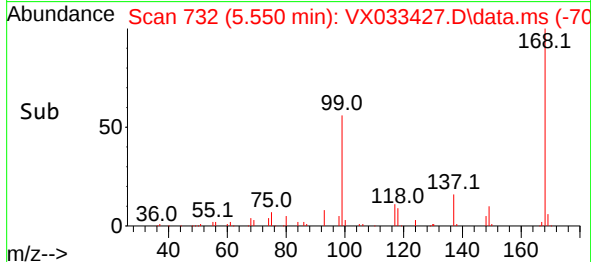
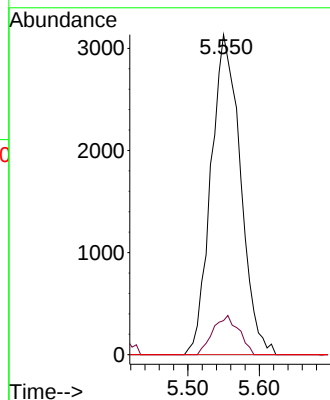
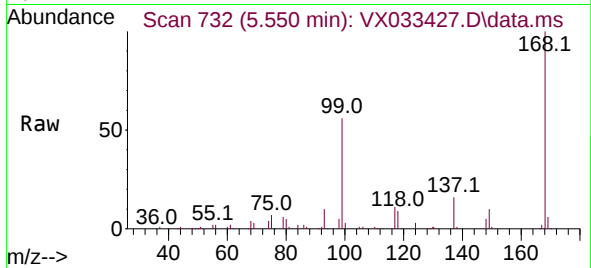




#36
1,1-Dichloropropene
Concen: 5.156 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

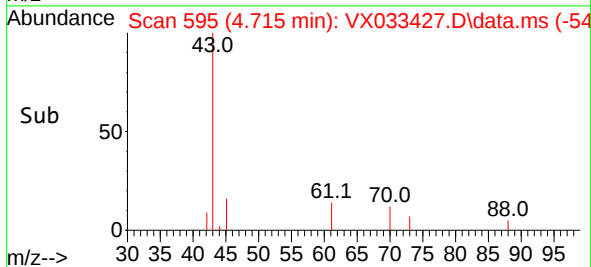
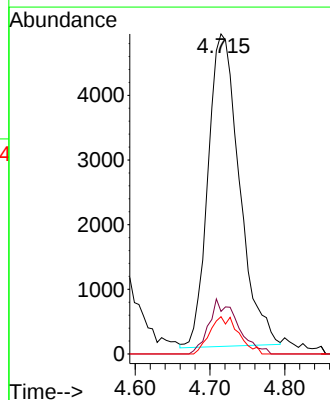
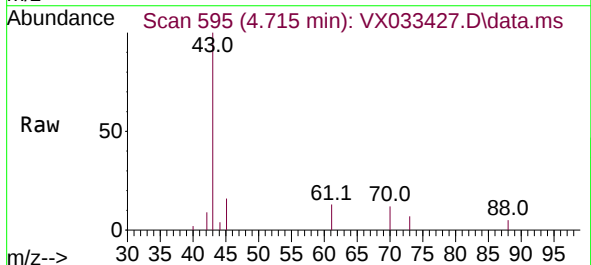
Instrument :
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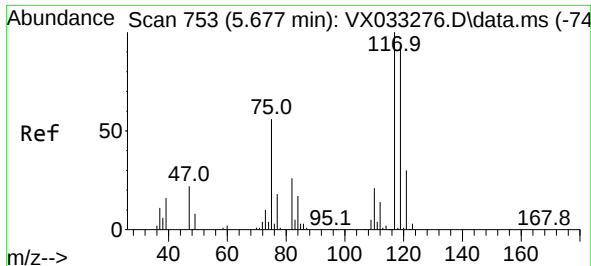
Tgt Ion: 75 Resp: 8973
Ion Ratio Lower Upper
75 100
110 10.8 18.4 55.2#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 8.588 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

Tgt Ion: 43 Resp: 14127
Ion Ratio Lower Upper
43 100
61 16.0 11.5 17.3
70 10.9 9.1 13.7

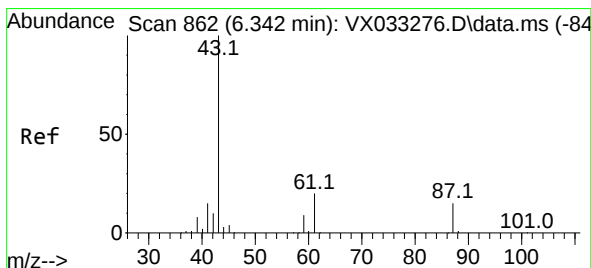
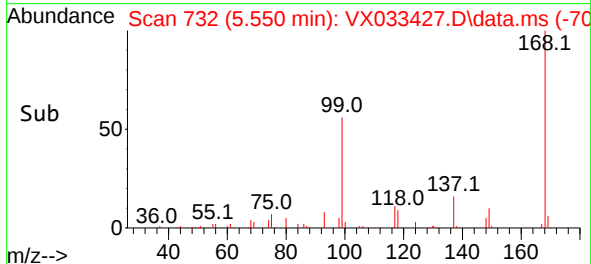
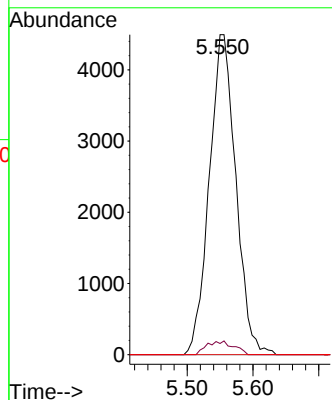
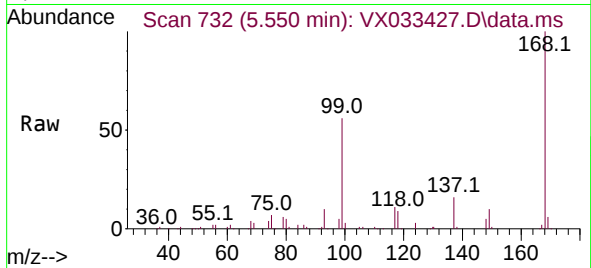




#38
Carbon Tetrachloride
Concen: 6.473 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

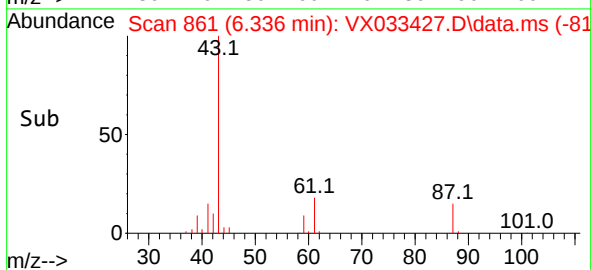
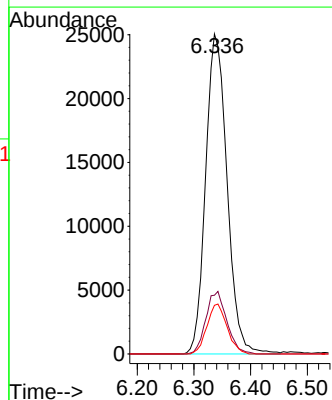
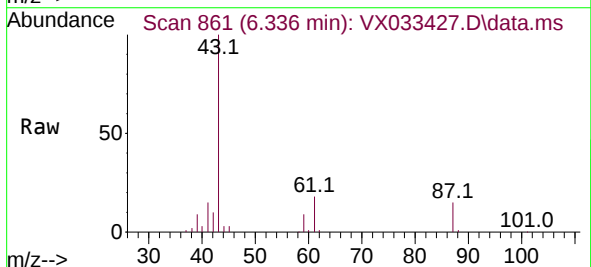
Instrument :
MSVOA_X
ClientSampleId :
TP-R

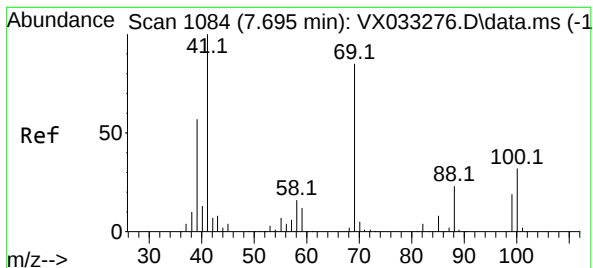
Tgt Ion:117 Resp: 12622
Ion Ratio Lower Upper
117 100
119 3.5 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 24.879 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

Tgt Ion: 43 Resp: 65852
Ion Ratio Lower Upper
43 100
61 19.1 15.4 23.0
87 14.6 10.8 16.2





#48

Methyl methacrylate

Concen: 45.686 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX033427.D

Acq: 14 Dec 2022 18:12

Instrument :

MSVOA_X

ClientSampleId :

TP-R

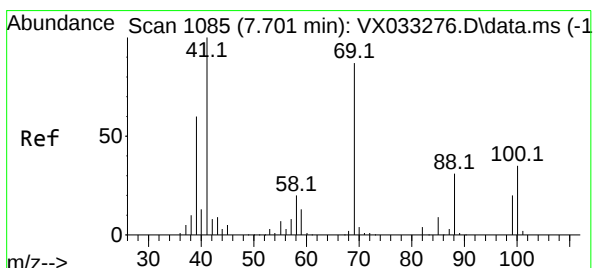
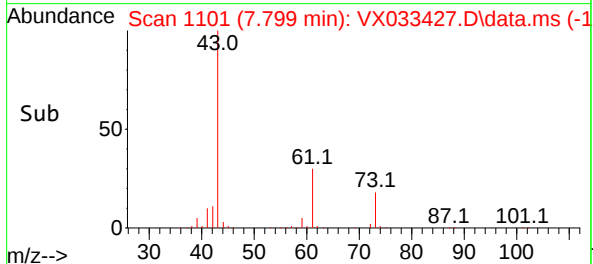
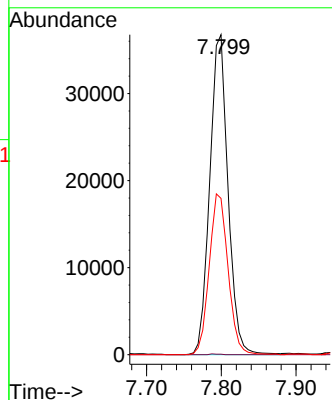
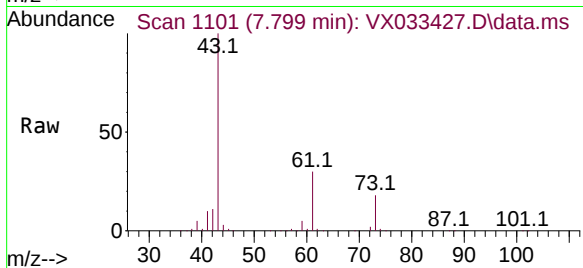
Tgt Ion: 41 Resp: 62410

Ion Ratio Lower Upper

41 100

69 0.1 65.1 97.7#

39 51.9 51.9 77.9#



#49

1,4-Dioxane

Concen: 1.830 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.092 min

Lab File: VX033427.D

Acq: 14 Dec 2022 18:12

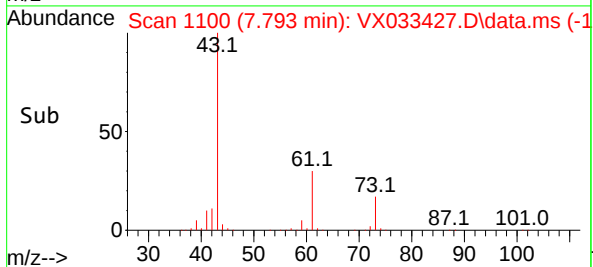
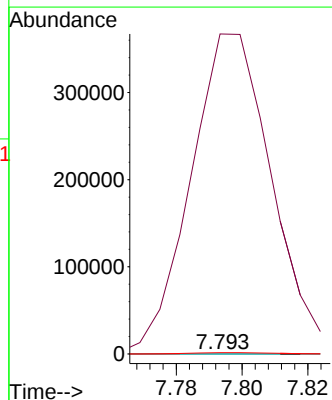
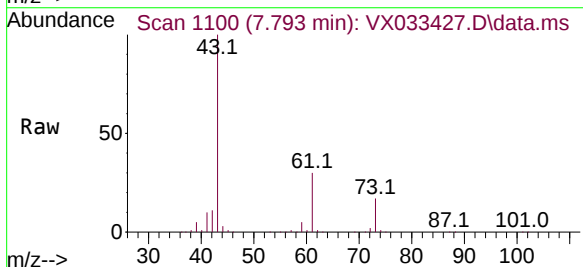
Tgt Ion: 88 Resp: 57

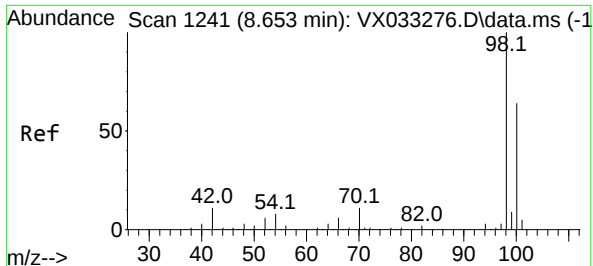
Ion Ratio Lower Upper

88 100

43 1114631.6 26.6 39.8#

58 4738.6 51.7 77.5#

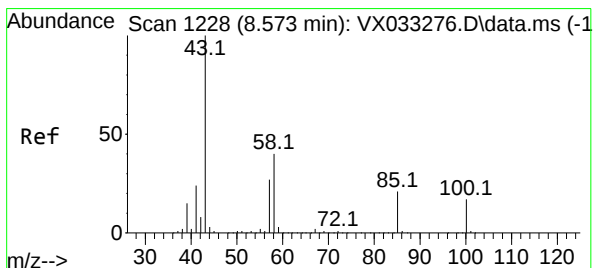
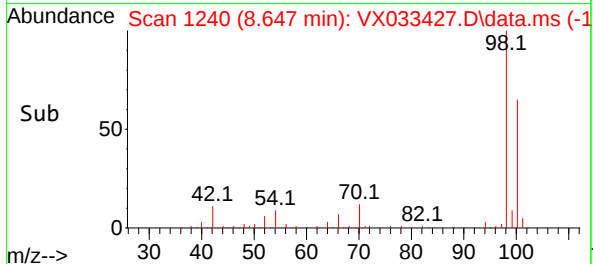
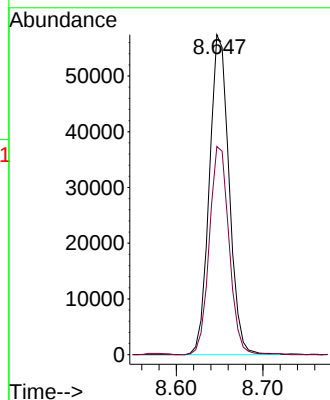
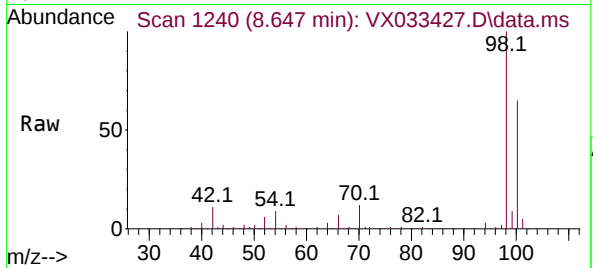




#50
Toluene-d8
Concen: 48.589 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

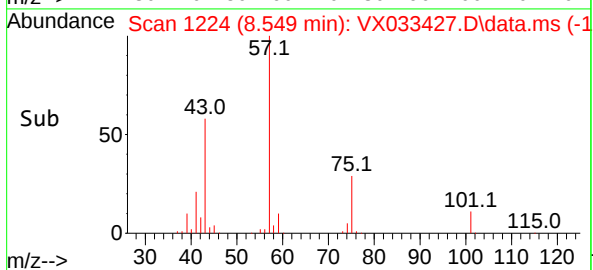
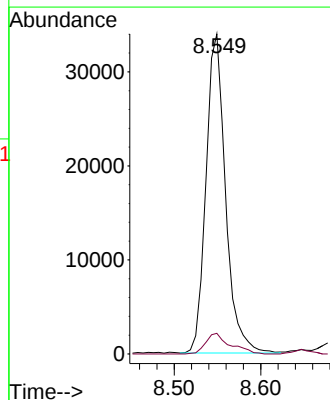
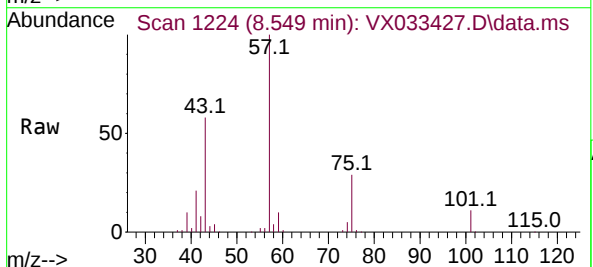
Instrument :
MSVOA_X
ClientSampleId :
TP-R

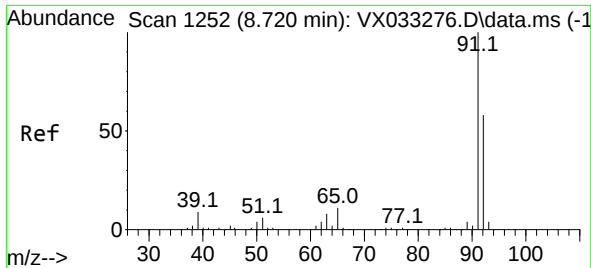
Tgt Ion: 98 Resp: 90729
Ion Ratio Lower Upper
98 100
100 65.0 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 31.776 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

Tgt Ion: 43 Resp: 53189
Ion Ratio Lower Upper
43 100
58 8.1 30.9 46.3#

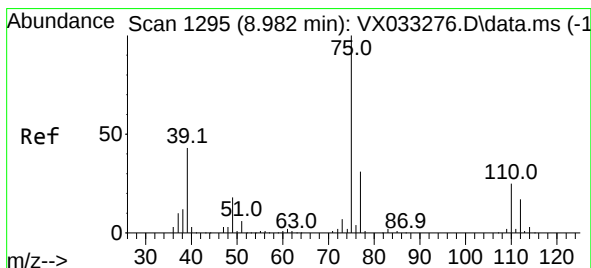
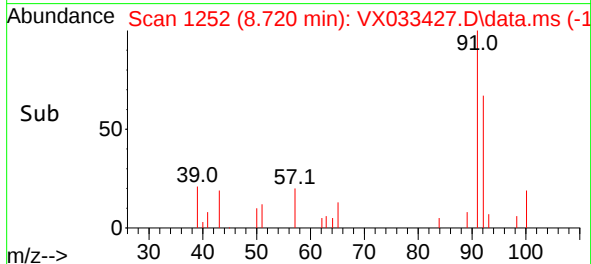
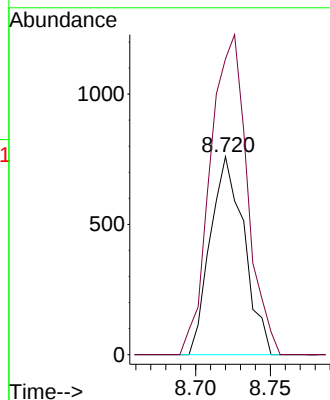
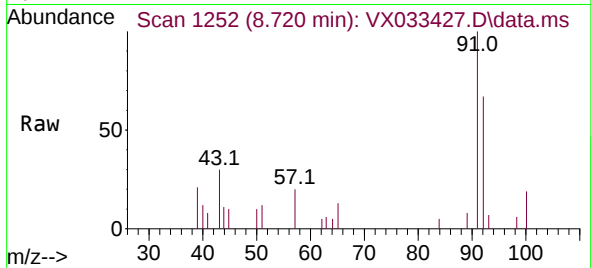




#52
Toluene
Concen: 0.365 ug/l
RT: 8.720 min Scan# 1197
Delta R.T. 0.000 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

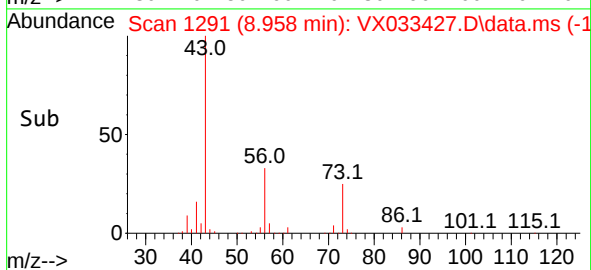
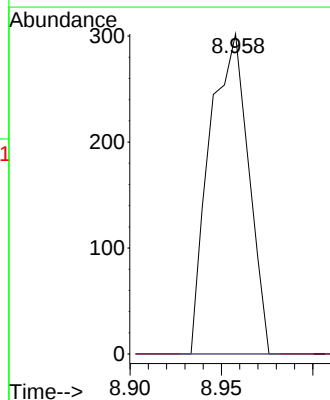
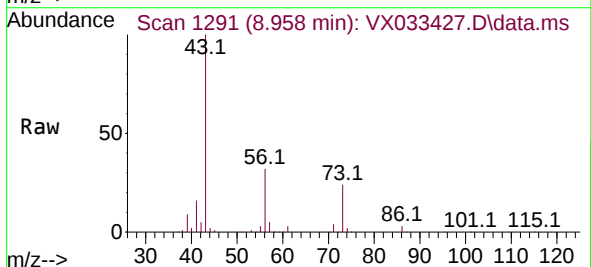
Instrument :
MSVOA_X
ClientSampleId :
TP-R

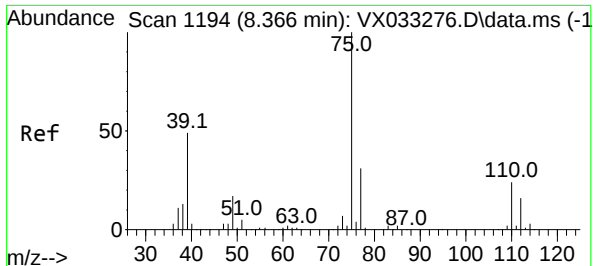
Tgt Ion: 92 Resp: 1197
Ion Ratio Lower Upper
92 100
91 176.4 138.3 207.5



#53
t-1,3-Dichloropropene
Concen: 2.711 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

Tgt Ion: 75 Resp: 448
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

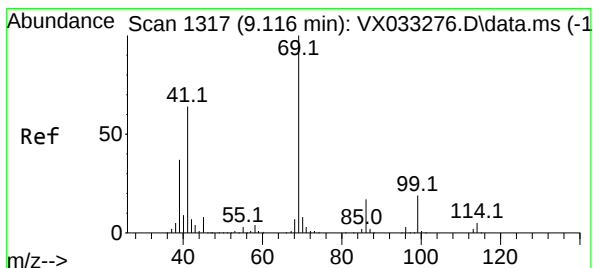
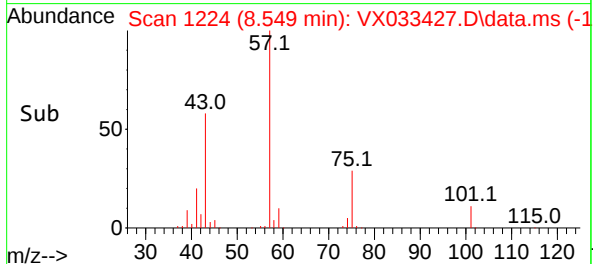
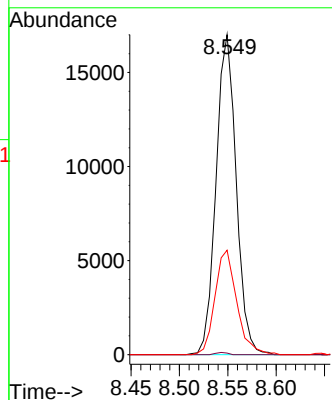
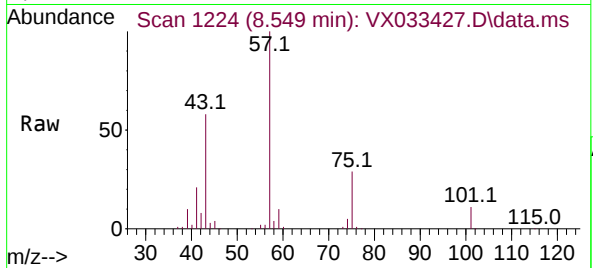




#54
 cis-1,3-Dichloropropene
 Concen: 12.002 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033427.D
 Acq: 14 Dec 2022 18:12

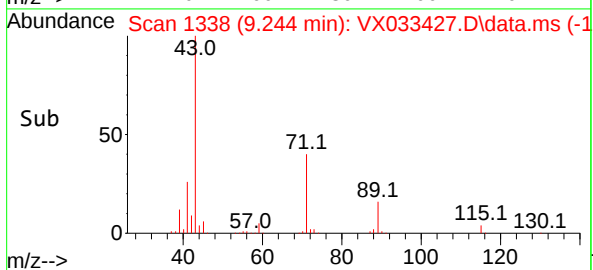
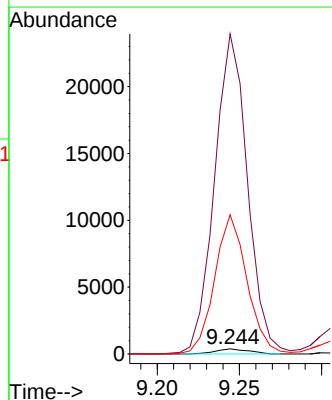
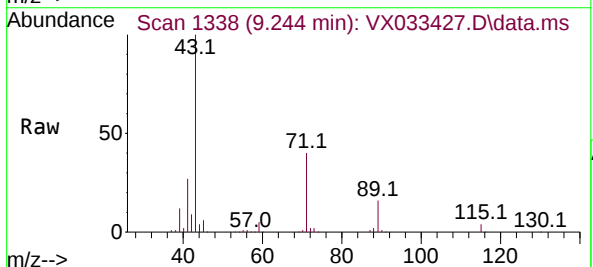
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-R

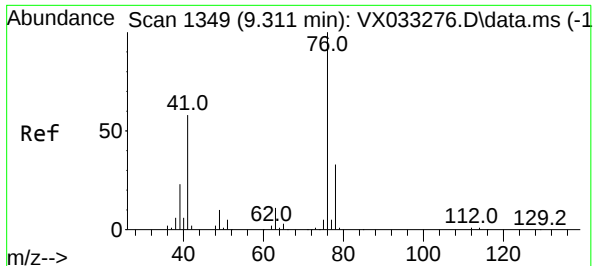
Tgt Ion: 75 Resp: 24610
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.1 37.7#
 39 32.6 45.5 68.3#



#56
 Ethyl methacrylate
 Concen: 0.277 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033427.D
 Acq: 14 Dec 2022 18:12

Tgt Ion: 69 Resp: 538
 Ion Ratio Lower Upper
 69 100
 41 6213.6 54.3 81.5#
 39 2647.2 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 1.481 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033427.D

Acq: 14 Dec 2022 18:12

Instrument :

MSVOA_X

ClientSampleId :

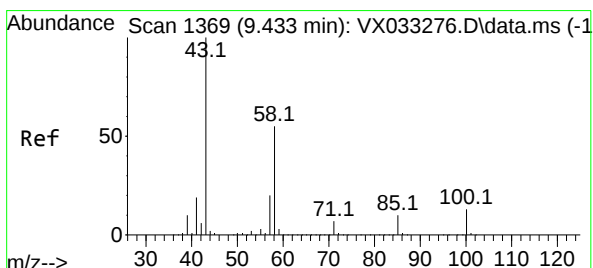
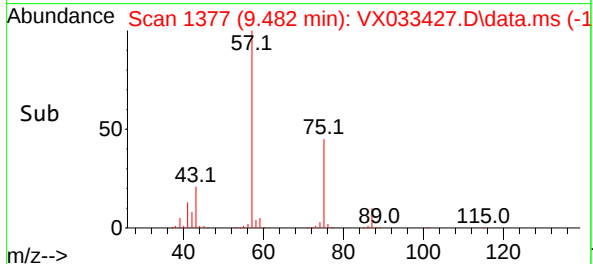
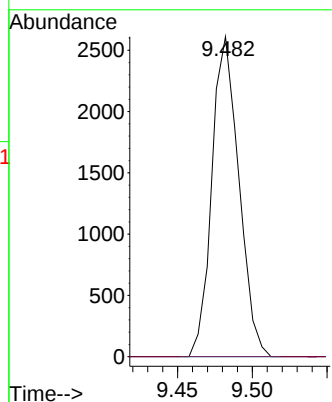
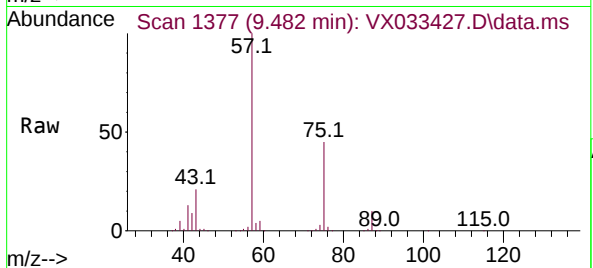
TP-R

Tgt Ion: 76 Resp: 3281

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 36.192 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033427.D

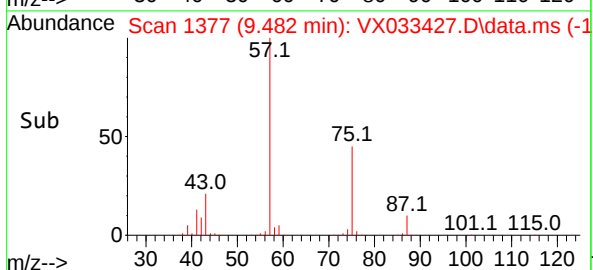
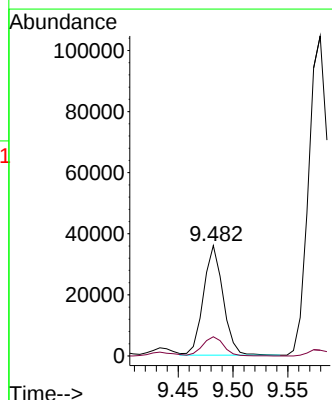
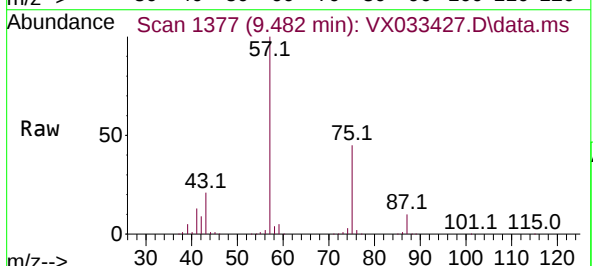
Acq: 14 Dec 2022 18:12

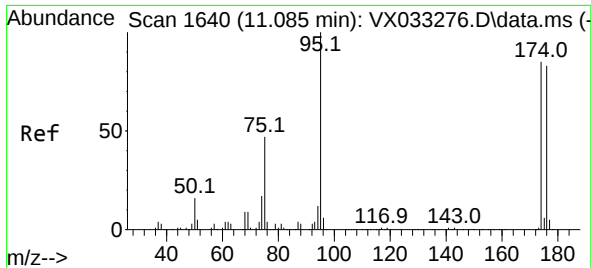
Tgt Ion: 43 Resp: 44644

Ion Ratio Lower Upper

43 100

58 18.9 26.5 79.5#

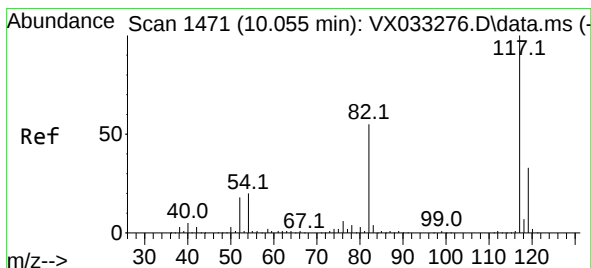
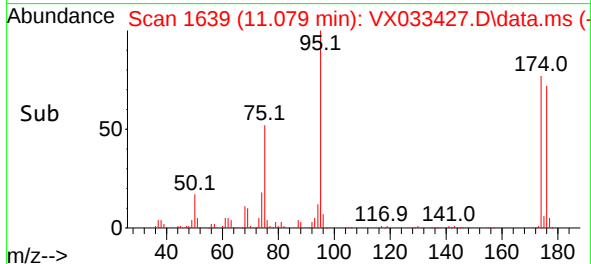
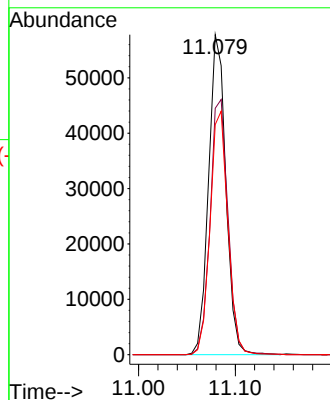
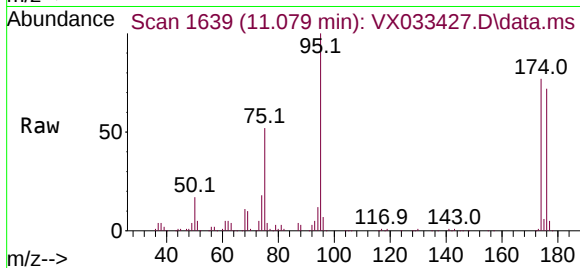




#62
4-Bromofluorobenzene
Concen: 50.377 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

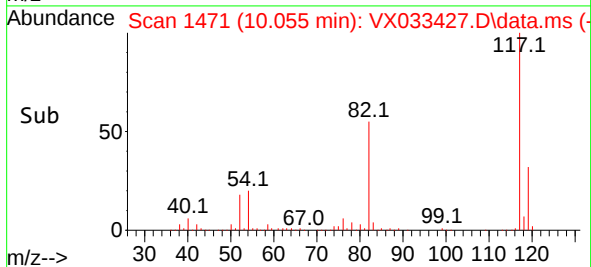
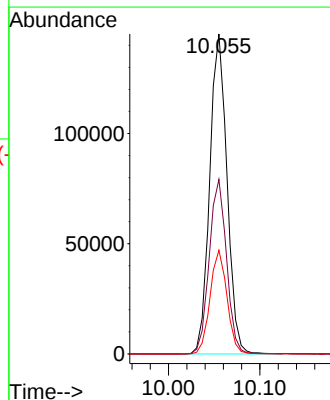
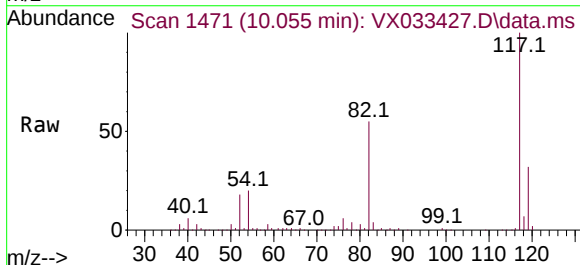
Instrument :
MSVOA_X
ClientSampleId :
TP-R

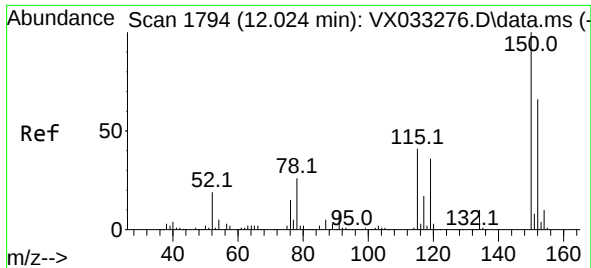
Tgt Ion: 95 Resp: 71925
Ion Ratio Lower Upper
95 100
174 82.6 0.0 164.0
176 78.4 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

Tgt Ion: 117 Resp: 190288
Ion Ratio Lower Upper
117 100
82 54.5 44.3 66.5
119 32.4 25.7 38.5

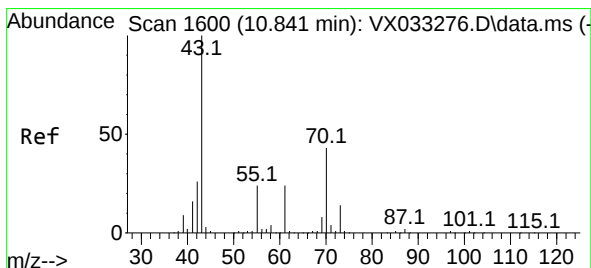
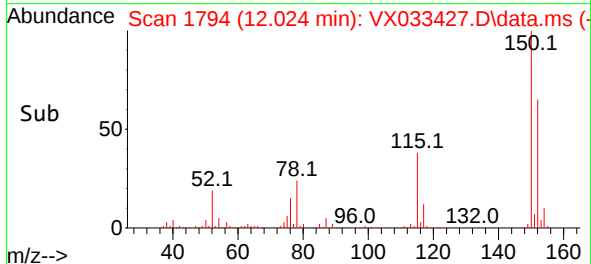
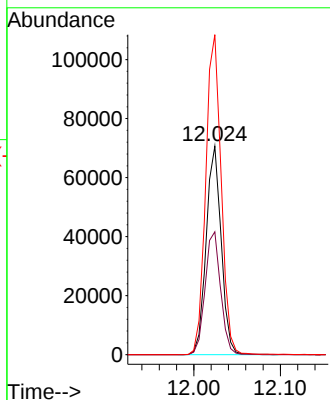
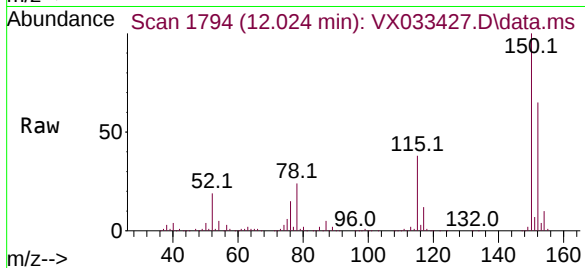




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

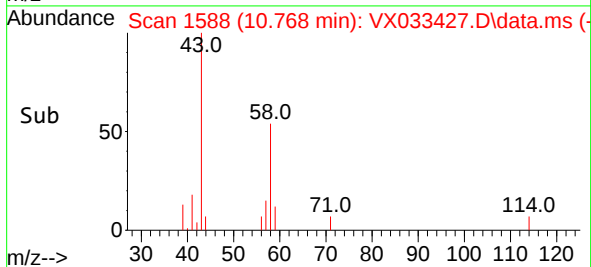
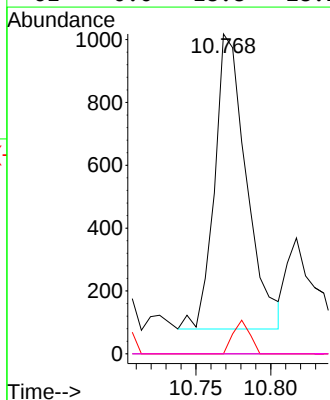
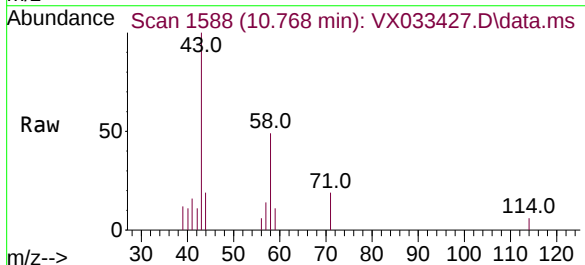
Instrument :
MSVOA_X
ClientSampleId :
TP-R

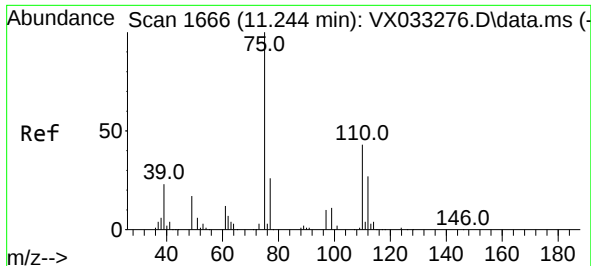
Tgt Ion:152 Resp: 85243
Ion Ratio Lower Upper
152 100
115 60.9 44.0 132.0
150 157.3 0.0 351.8



#74
N-ethyl acetate
Concen: 0.659 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.073 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

Tgt Ion: 43 Resp: 1389
Ion Ratio Lower Upper
43 100
70 0.0 33.6 50.4#
55 6.0 19.4 29.2#
61 0.0 18.8 28.2#

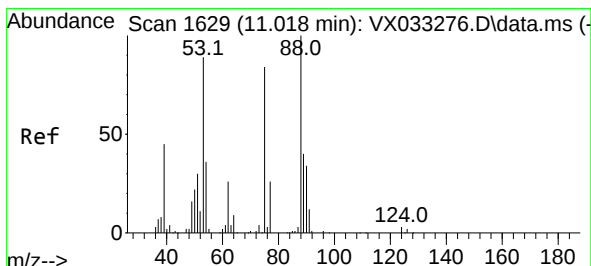
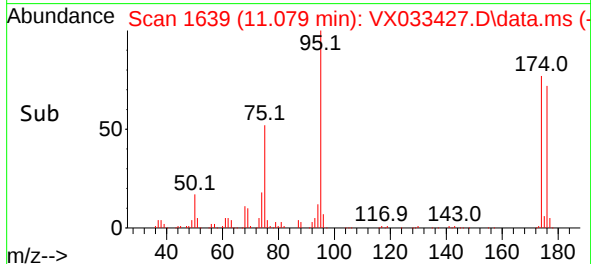
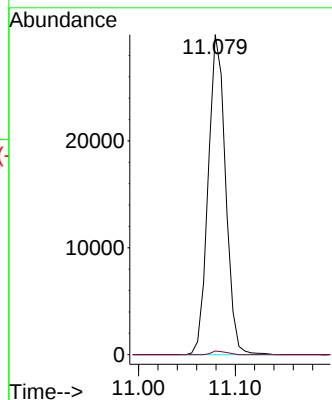
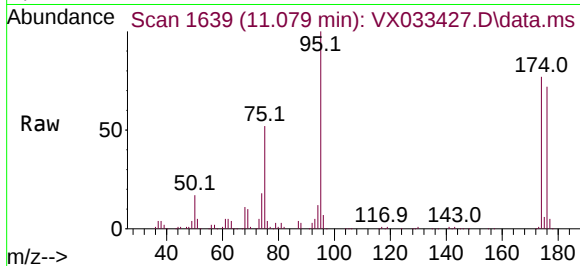




#76
1,2,3-Trichloropropane
Concen: 21.593 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

Instrument :
MSVOA_X
ClientSampleId :
TP-R

Tgt Ion: 75 Resp: 37449
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.170 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033427.D
Acq: 14 Dec 2022 18:12

Tgt Ion: 75 Resp: 37449
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

