

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102822\
 Data File : VX032464.D
 Acq On : 28 Oct 2022 16:59
 Operator : JC/MD
 Sample : N5313-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMPOSITE-SW-QUARTER

Quant Time: Oct 29 04:33:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

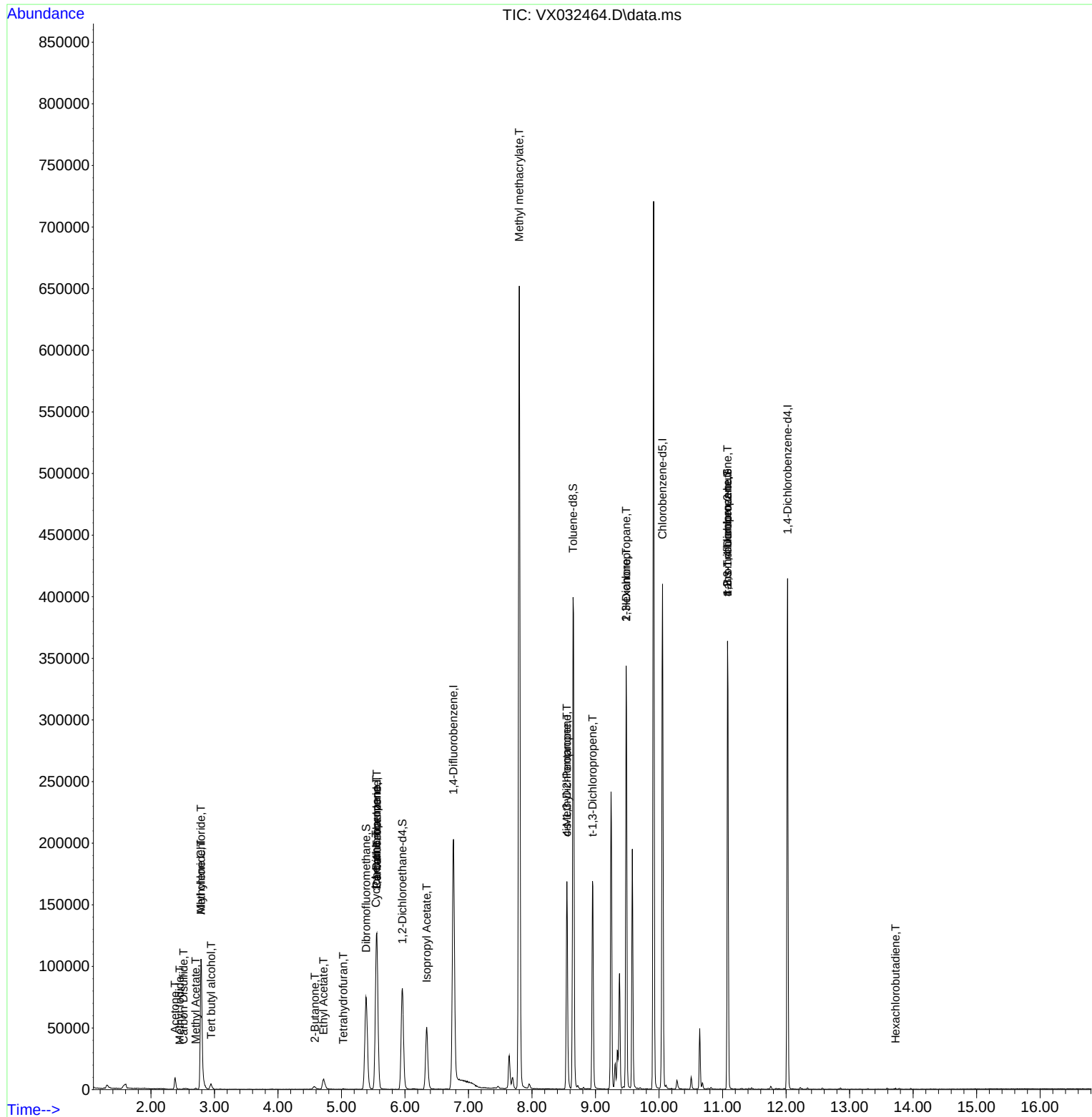
Internal Standards						
1) Pentafluorobenzene	5.556	168	119643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	195907	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81179	48.832	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.660%		
35) Dibromofluoromethane	5.385	113	63837	45.682	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.360%		
50) Toluene-d8	8.647	98	238081	48.996	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.000%		
62) 4-Bromofluorobenzene	11.079	95	89504	47.155	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.300%		
Target Compounds						Qvalue
10) Methyl Iodide	2.453	142	136	2.008	ug/l #	53
11) Tert butyl alcohol	2.947	59	2874	11.878	ug/l #	72
14) Allyl chloride	2.788	41	1796	0.939	ug/l #	20
16) Acetone	2.380	43	9710	16.071	ug/l	99
17) Carbon Disulfide	2.514	76	720	0.252	ug/l #	74
18) Methyl Acetate	2.703	43	952	0.485	ug/l #	80
20) Methylene Chloride	2.788	84	54048	39.014	ug/l	98
25) 2-Butanone	4.580	43	2988	3.192	ug/l	90
29) Tetrahydrofuran	5.026	42	228	0.382	ug/l #	40
31) Cyclohexane	5.544	56	2577	1.279	ug/l #	45
36) 1,1-Dichloropropene	5.550	75	9552	4.909	ug/l #	50
37) Ethyl Acetate	4.715	43	14795	7.304	ug/l	98
38) Carbon Tetrachloride	5.556	117	12418	5.753	ug/l #	16
43) Isopropyl Acetate	6.342	43	66422	21.357	ug/l	100
48) Methyl methacrylate	7.799	41	59194	36.852	ug/l #	45
51) 4-Methyl-2-Pentanone	8.549	43	57262	29.231	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	465	0.222	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	25007	11.153	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	2902	1.188	ug/l #	42
59) 2-Hexanone	9.482	43	41217	28.355	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	48675	27.160	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	48675	86.424	ug/l #	6
94) Hexachlorobutadiene	13.725	225	196	0.247	ug/l #	57

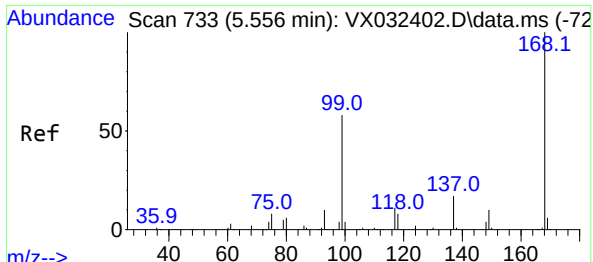
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 27 08:28:06 2022
Response via : Initial Calibration

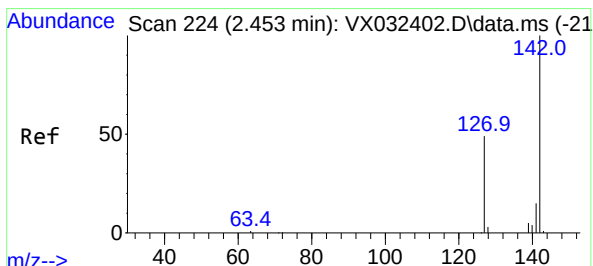
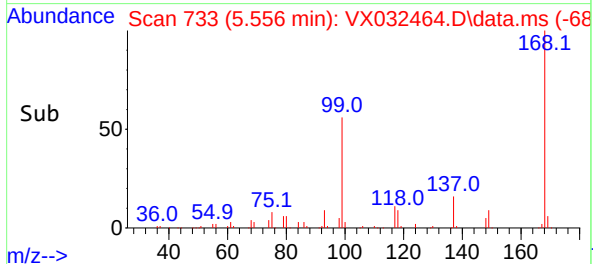
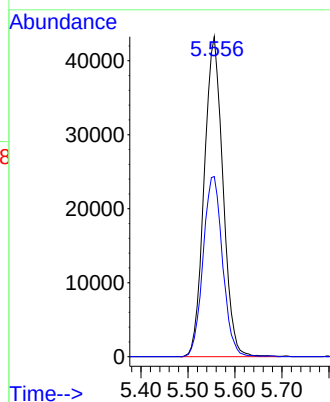
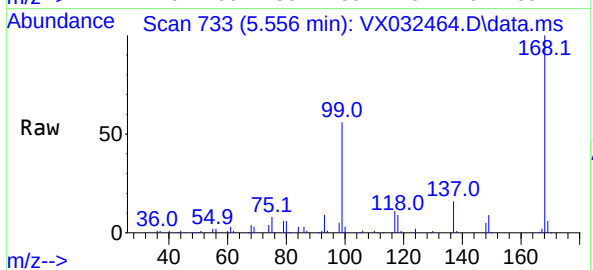




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX032464.D
Acq: 28 Oct 2022 16:59

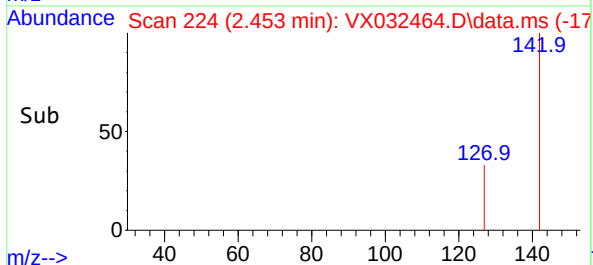
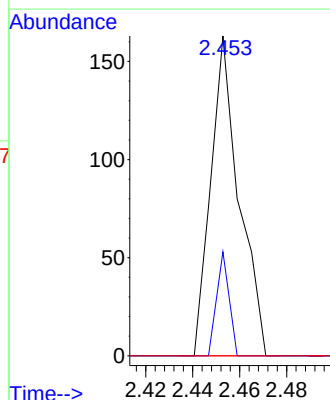
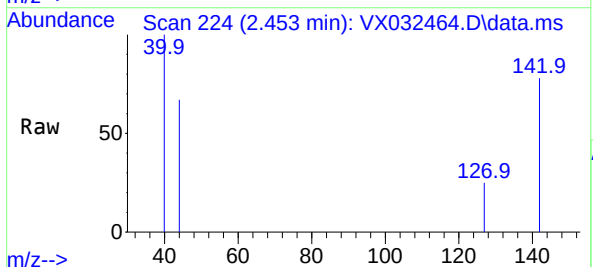
Instrument :
MSVOA_X
ClientSampleId :
COMPOSITE-SW-QUARTER

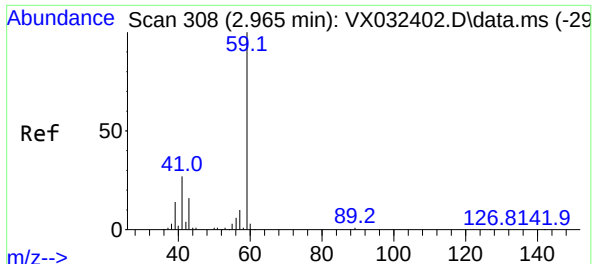
Tgt Ion:168 Resp: 119643
Ion Ratio Lower Upper
168 100
99 56.3 46.1 69.1



#10
Methyl Iodide
Concen: 2.008 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX032464.D
Acq: 28 Oct 2022 16:59

Tgt Ion:142 Resp: 136
Ion Ratio Lower Upper
142 100
127 14.0 38.6 57.8#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 11.878 ug/l

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX032464.D

Acq: 28 Oct 2022 16:59

Instrument :

MSVOA_X

ClientSampleId :

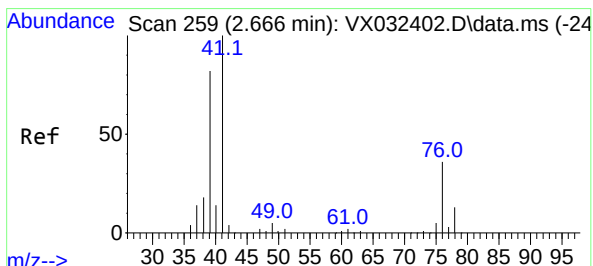
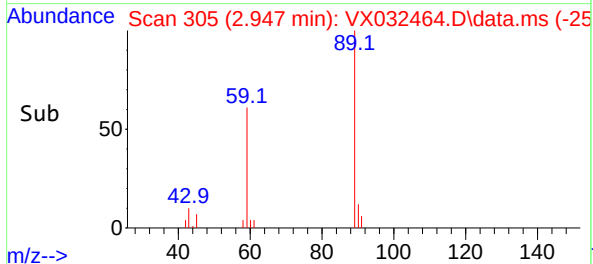
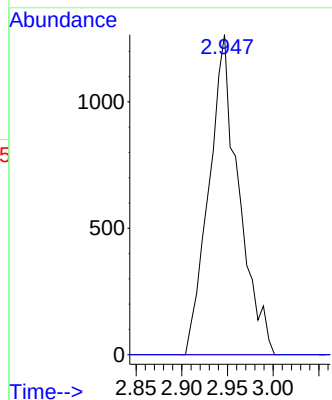
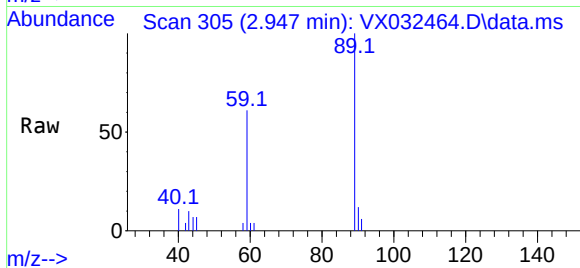
COMPOSITE-SW-QUARTER

Tgt Ion: 59 Resp: 2874

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#14

Allyl chloride

Concen: 0.939 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.122 min

Lab File: VX032464.D

Acq: 28 Oct 2022 16:59

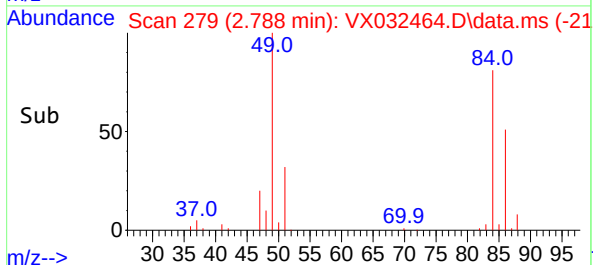
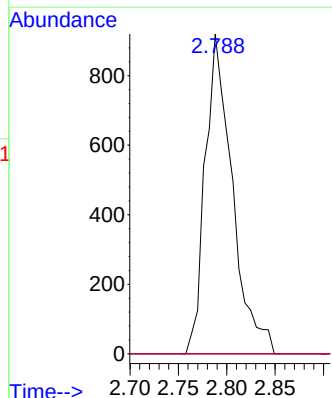
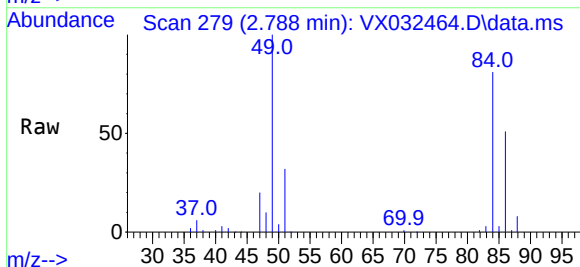
Tgt Ion: 41 Resp: 1796

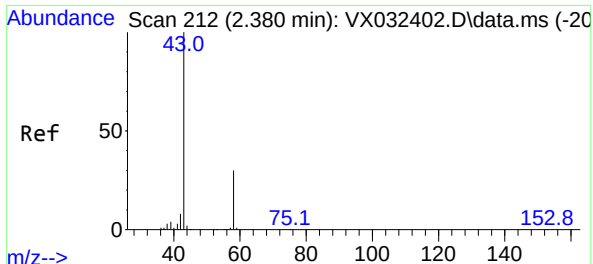
Ion Ratio Lower Upper

41 100

39 0.0 61.4 92.2#

76 0.0 29.2 43.8#

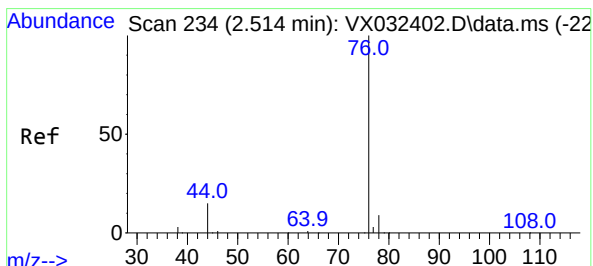
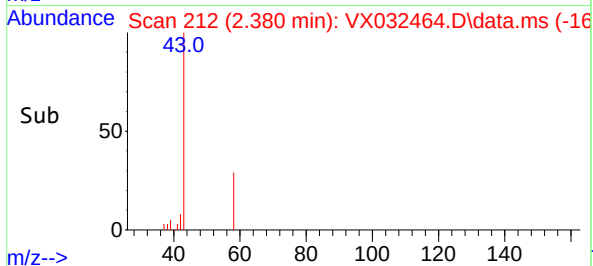
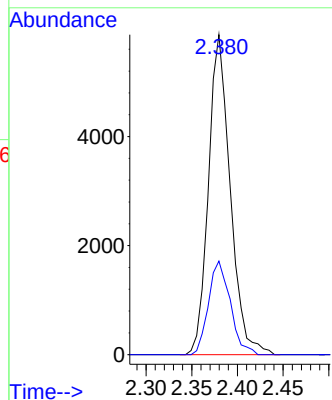
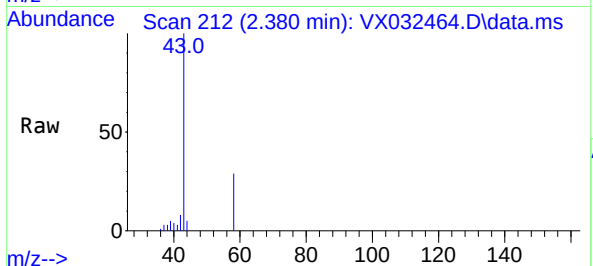




#16
Acetone
Concen: 16.071 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX032464.D
Acq: 28 Oct 2022 16:59

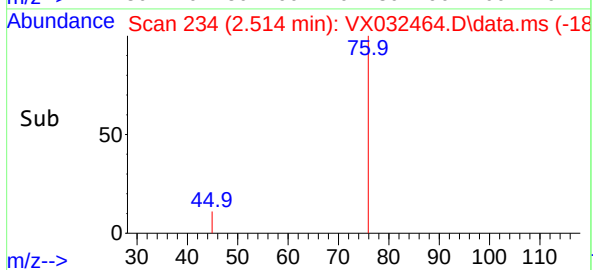
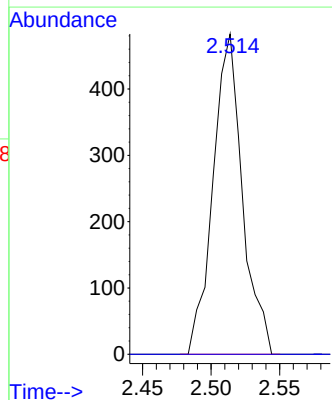
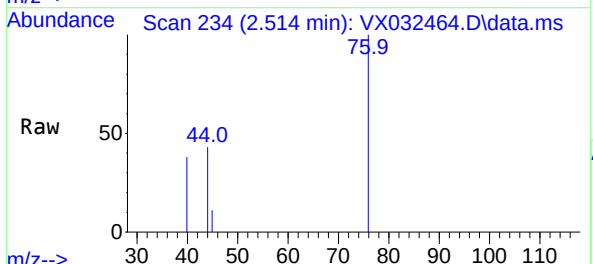
Instrument :
MSVOA_X
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COMPOSITE-SW-QUARTER

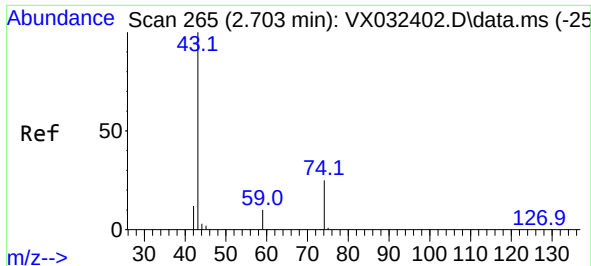
Tgt Ion: 43 Resp: 9710
Ion Ratio Lower Upper
43 100
58 29.3 23.8 35.8



#17
Carbon Disulfide
Concen: 0.252 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX032464.D
Acq: 28 Oct 2022 16:59

Tgt Ion: 76 Resp: 720
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

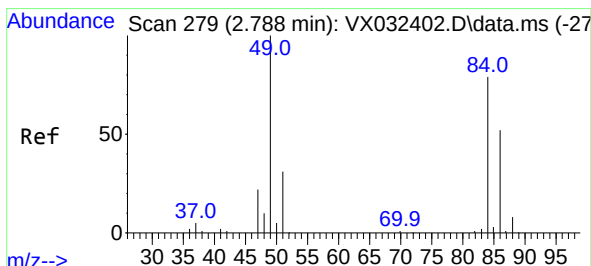
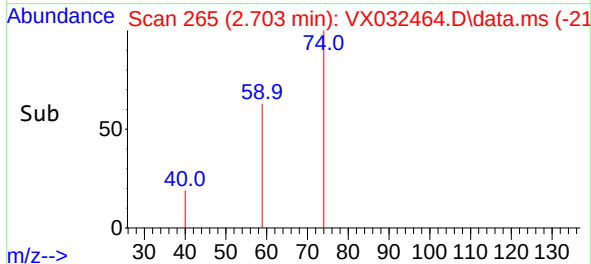
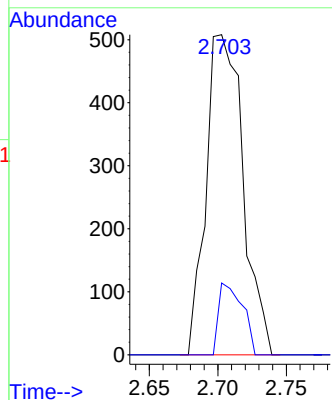
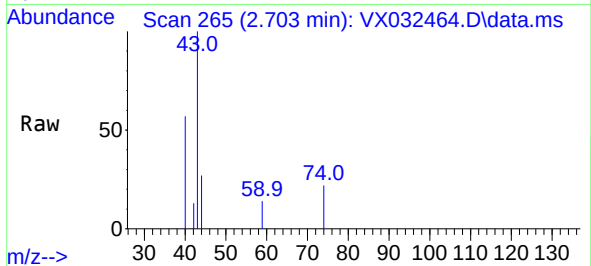




#18
Methyl Acetate
Concen: 0.485 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX032464.D
Acq: 28 Oct 2022 16:59

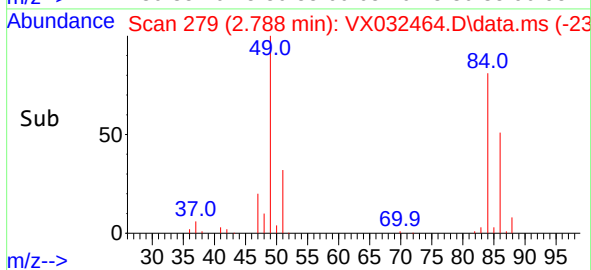
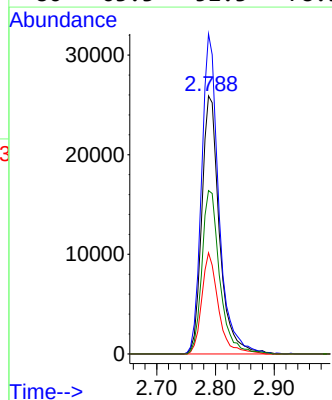
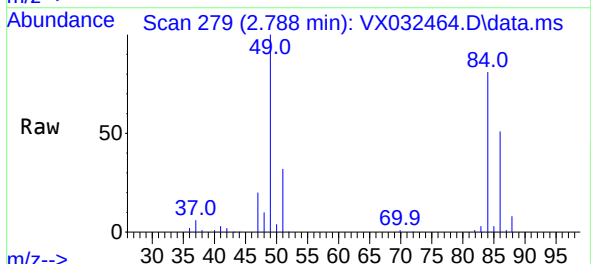
Instrument :
MSVOA_X
ClientSampleId :
COMPOSITE-SW-QUARTER

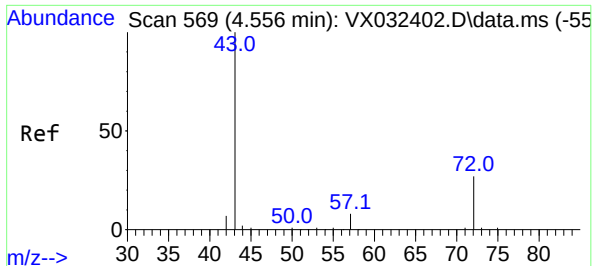
Tgt Ion: 43 Resp: 952
Ion Ratio Lower Upper
43 100
74 14.4 19.4 29.0#



#20
Methylene Chloride
Concen: 39.014 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX032464.D
Acq: 28 Oct 2022 16:59

Tgt Ion: 84 Resp: 54048
Ion Ratio Lower Upper
84 100
49 124.0 101.0 151.6
51 39.2 31.1 46.7
86 63.3 52.3 78.5





#25

2-Butanone

Concen: 3.192 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX032464.D

Acq: 28 Oct 2022 16:59

Instrument :

MSVOA_X

ClientSampleId :

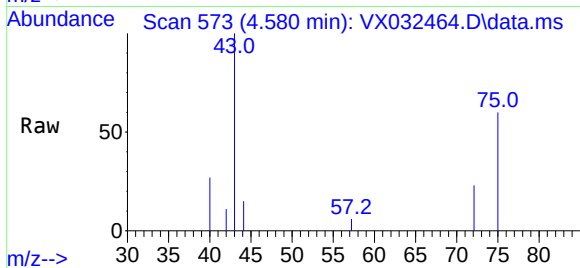
COMPOSITE-SW-QUARTER

Tgt Ion: 43 Resp: 2988

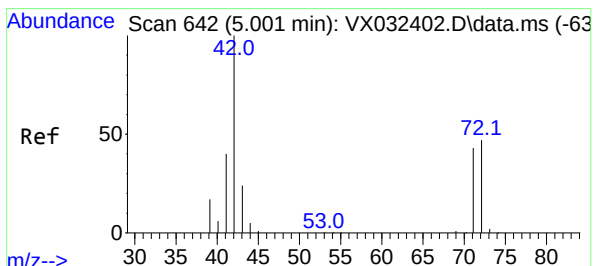
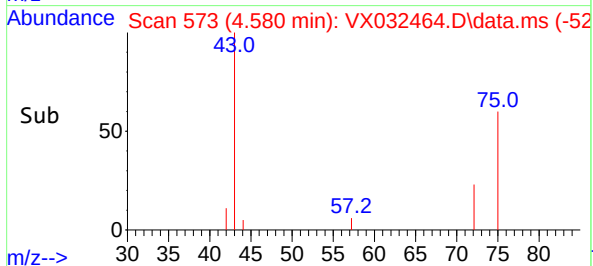
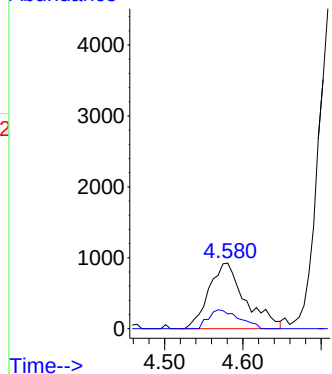
Ion Ratio Lower Upper

43 100

72 22.6 22.2 33.2



Abundance



#29

Tetrahydrofuran

Concen: 0.382 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.024 min

Lab File: VX032464.D

Acq: 28 Oct 2022 16:59

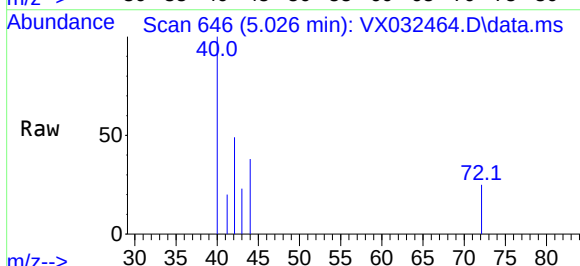
Tgt Ion: 42 Resp: 228

Ion Ratio Lower Upper

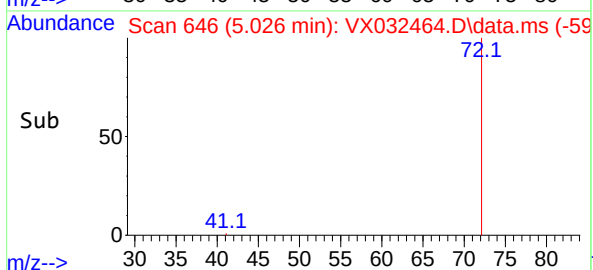
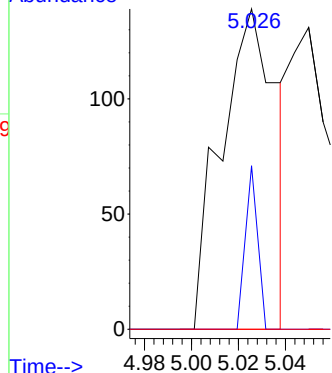
42 100

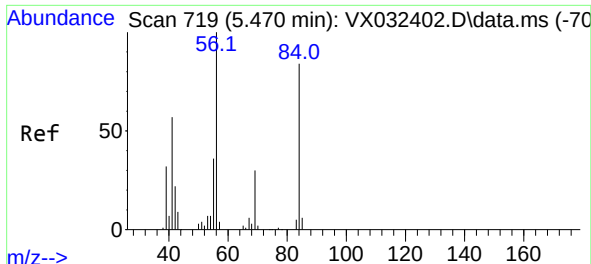
72 11.4 37.6 56.4#

71 0.0 34.7 52.1#



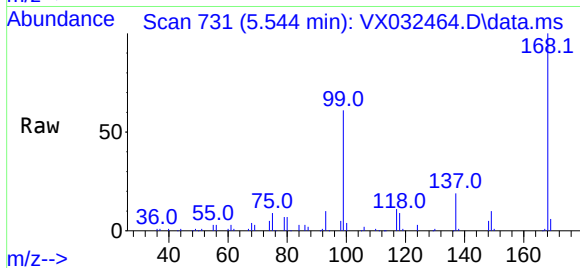
Abundance



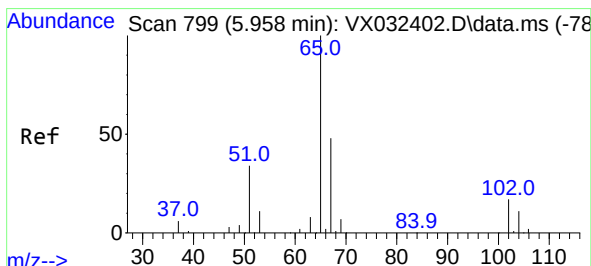
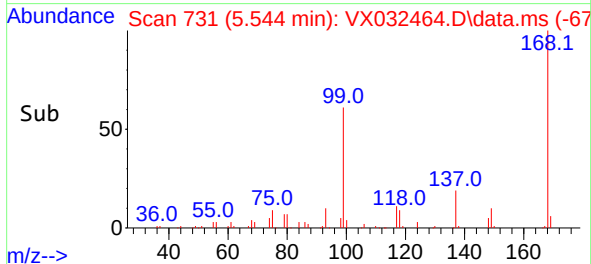
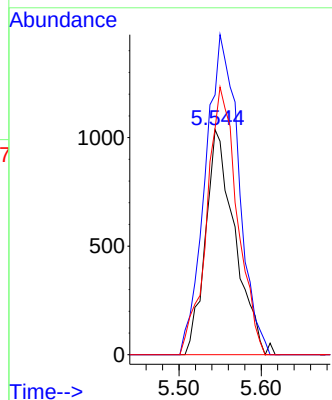


#31
Cyclohexane
Concen: 1.279 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX032464.D
Acq: 28 Oct 2022 16:59

Instrument :
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ClientSampleId :
COMPOSITE-SW-QUARTER

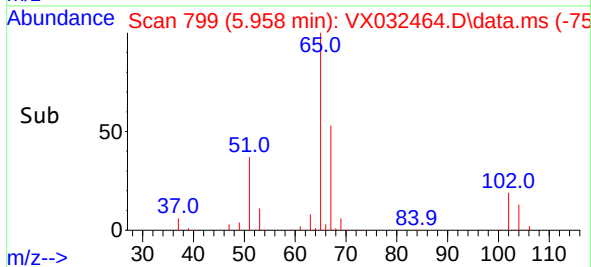
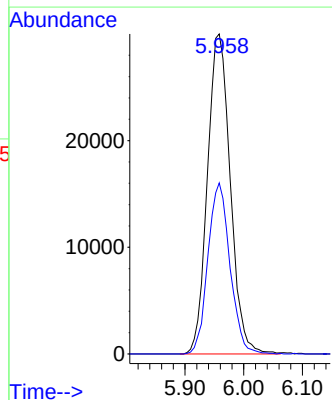
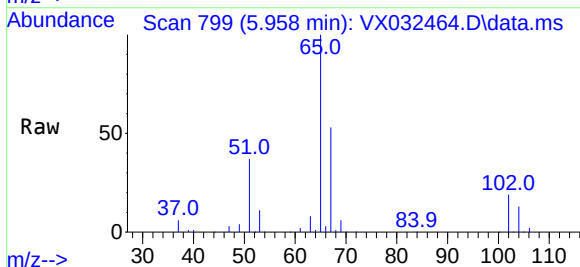


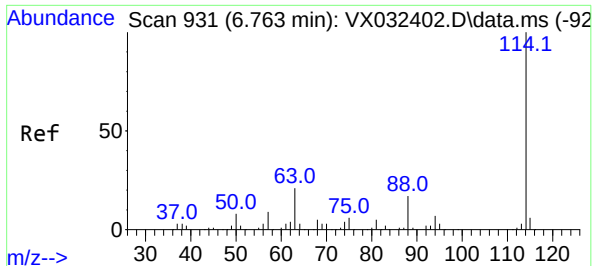
Tgt Ion: 56 Resp: 2577
Ion Ratio Lower Upper
56 100
69 115.5 24.1 36.1#
84 100.6 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 48.832 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032464.D
Acq: 28 Oct 2022 16:59

Tgt Ion: 65 Resp: 81179
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.8

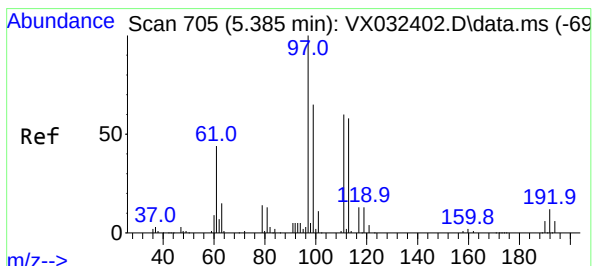
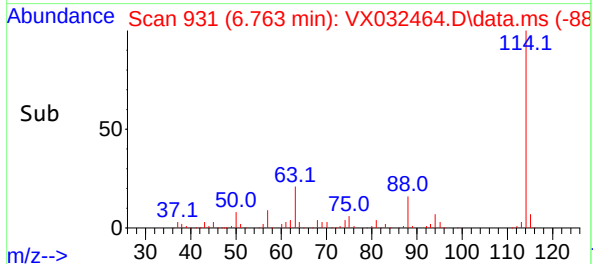
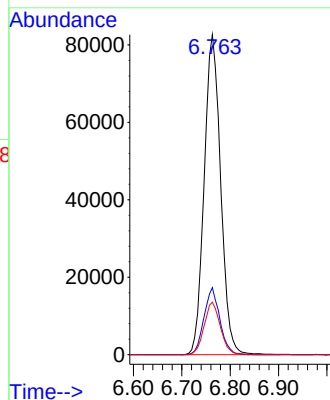
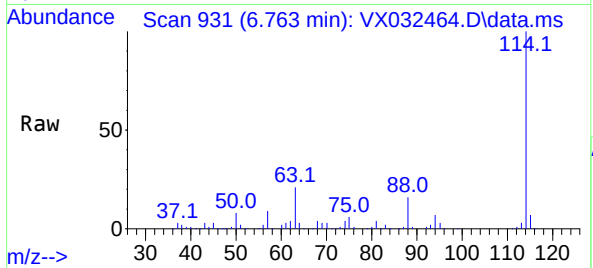




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX032464.D
Acq: 28 Oct 2022 16:59

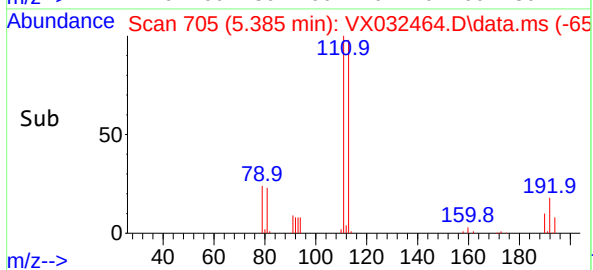
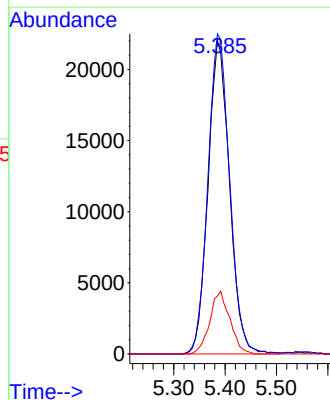
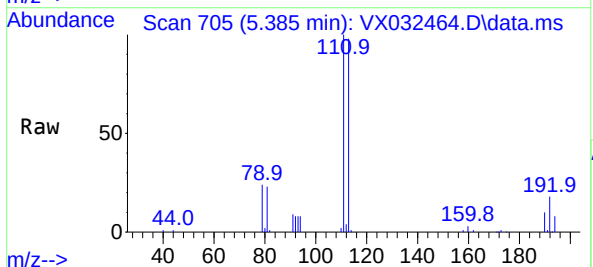
Instrument :
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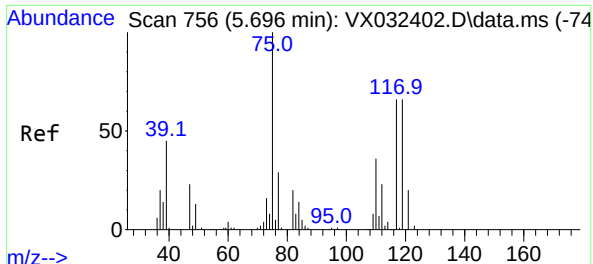
Tgt Ion:114 Resp: 195907
Ion Ratio Lower Upper
114 100
63 21.0 0.0 41.6
88 16.4 0.0 33.4



#35
Dibromofluoromethane
Concen: 45.682 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032464.D
Acq: 28 Oct 2022 16:59

Tgt Ion:113 Resp: 63837
Ion Ratio Lower Upper
113 100
111 103.3 82.4 123.6
192 18.8 15.4 23.2





#36

1,1-Dichloropropene

Concen: 4.909 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX032464.D

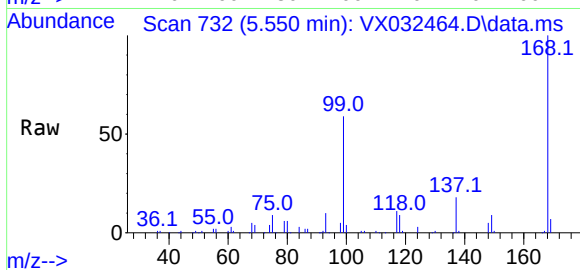
Acq: 28 Oct 2022 16:59

Instrument :

MSVOA_X

ClientSampleId :

COMPOSITE-SW-QUARTER



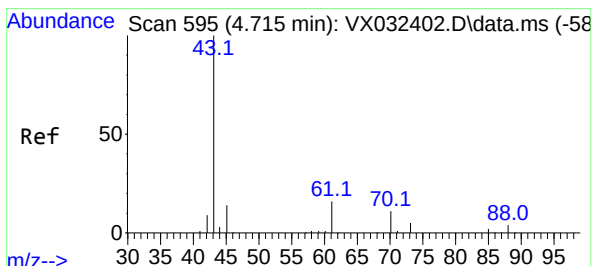
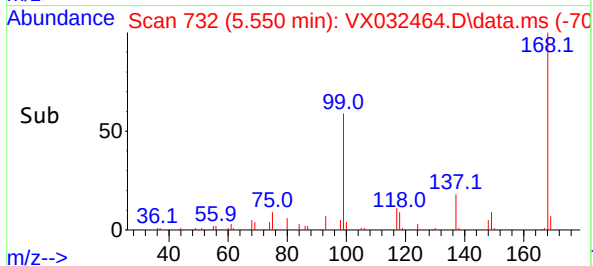
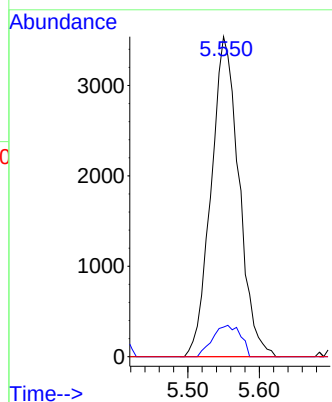
Tgt Ion: 75 Resp: 9552

Ion Ratio Lower Upper

75 100

110 9.9 18.4 55.2#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 7.304 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX032464.D

Acq: 28 Oct 2022 16:59

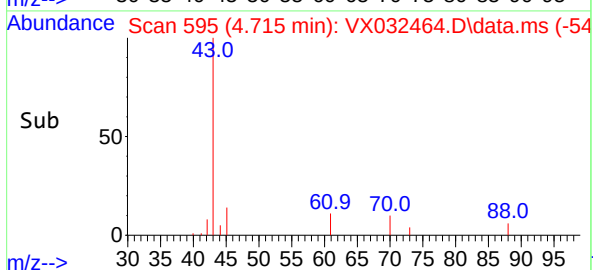
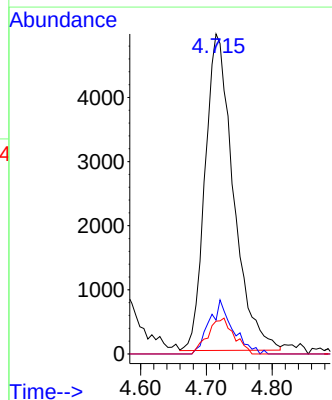
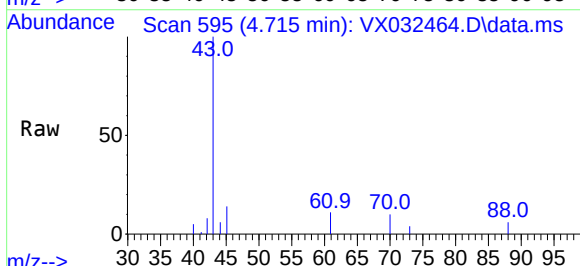
Tgt Ion: 43 Resp: 14795

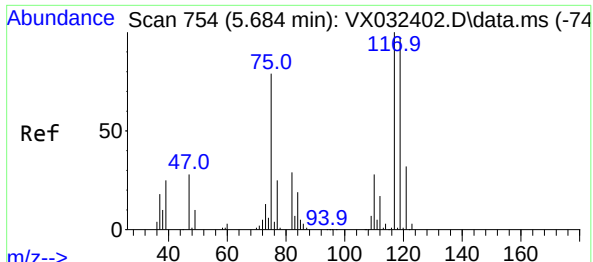
Ion Ratio Lower Upper

43 100

61 14.2 11.5 17.3

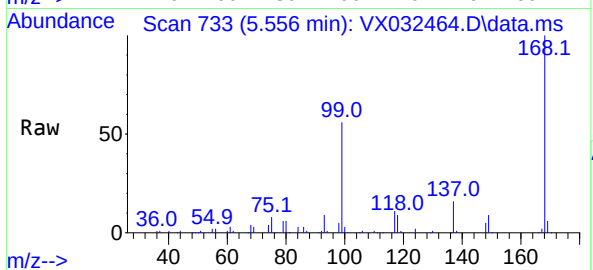
70 10.3 9.1 13.7



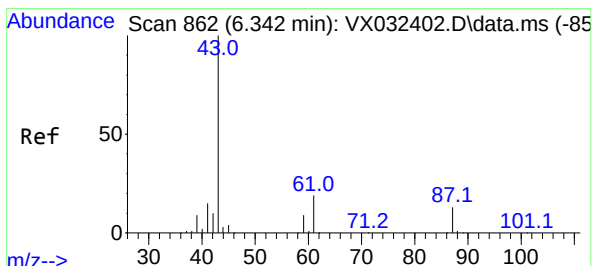
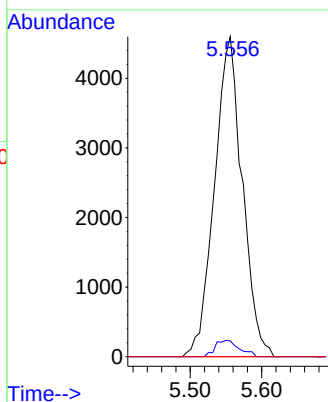
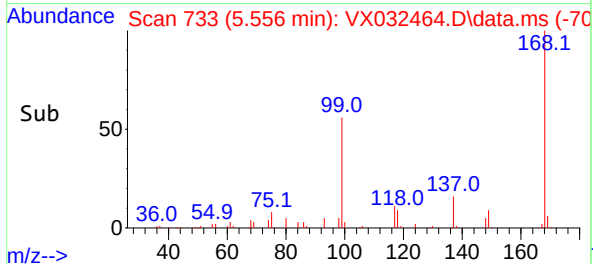


#38
Carbon Tetrachloride
Concen: 5.753 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX032464.D
Acq: 28 Oct 2022 16:59

Instrument :
MSVOA_X
ClientSampleId :
COMPOSITE-SW-QUARTER

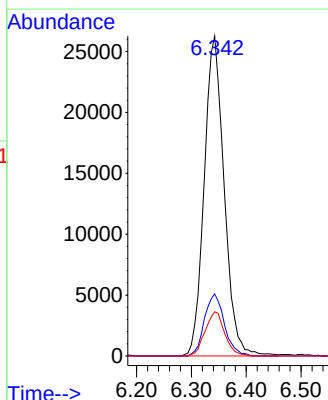
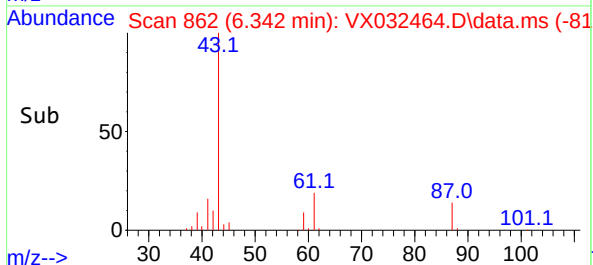
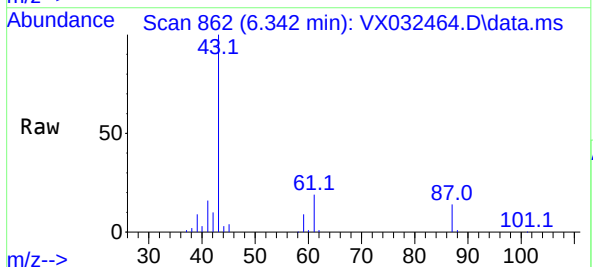


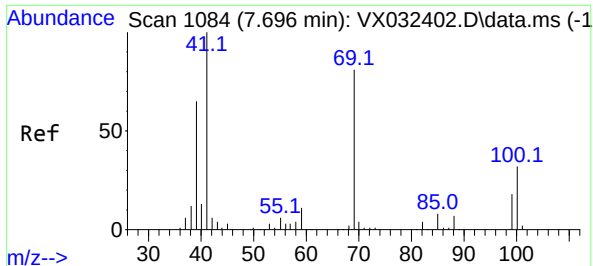
Tgt Ion:117 Resp: 12418
Ion Ratio Lower Upper
117 100
119 4.9 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 21.357 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX032464.D
Acq: 28 Oct 2022 16:59

Tgt Ion: 43 Resp: 66422
Ion Ratio Lower Upper
43 100
61 19.3 15.4 23.0
87 13.5 10.8 16.2





#48

Methyl methacrylate

Concen: 36.852 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX032464.D

Acq: 28 Oct 2022 16:59

Instrument :

MSVOA_X

ClientSampleId :

COMPOSITE-SW-QUARTER

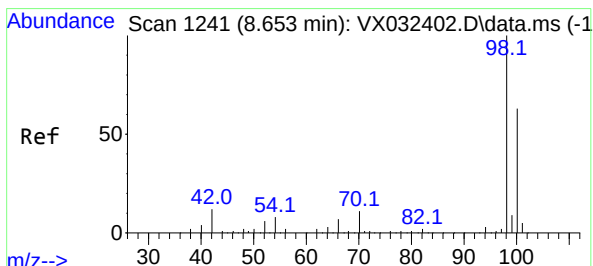
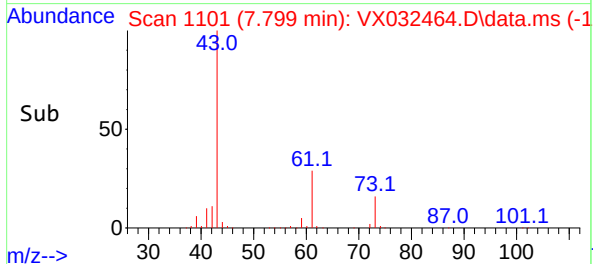
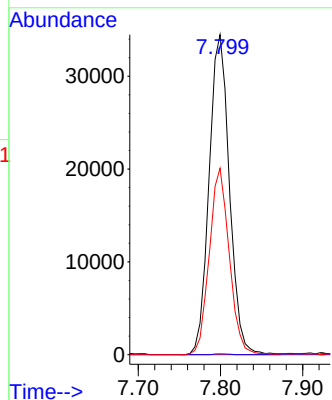
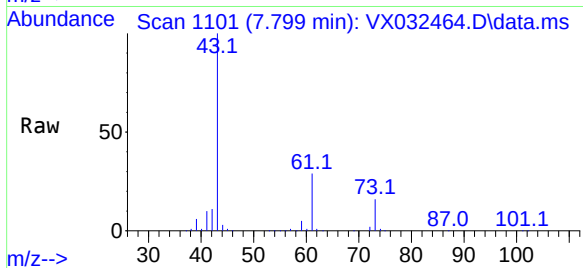
Tgt Ion: 41 Resp: 59194

Ion Ratio Lower Upper

41 100

69 0.2 65.1 97.7#

39 57.2 51.9 77.9



#50

Toluene-d8

Concen: 48.996 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032464.D

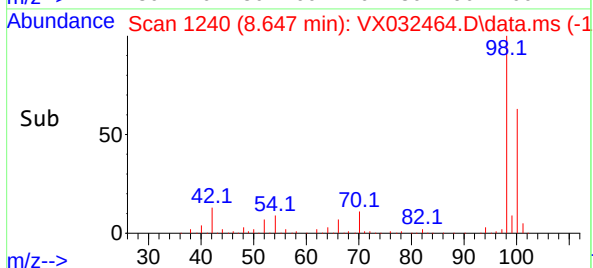
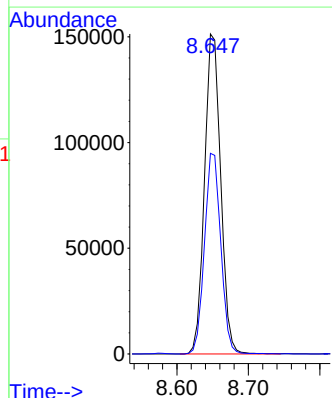
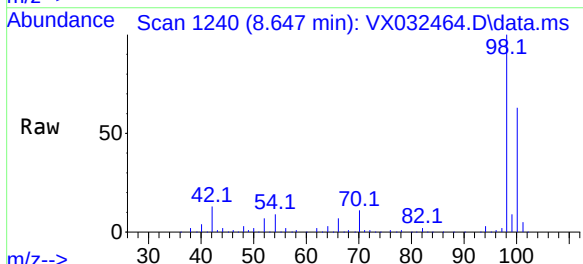
Acq: 28 Oct 2022 16:59

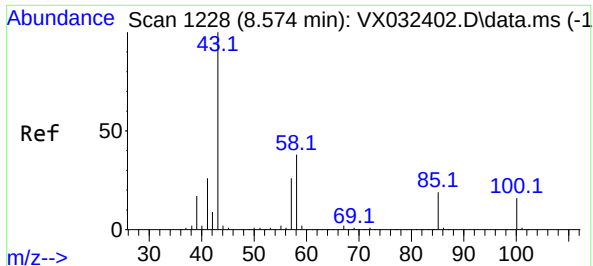
Tgt Ion: 98 Resp: 238081

Ion Ratio Lower Upper

98 100

100 63.3 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 29.231 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX032464.D

Acq: 28 Oct 2022 16:59

Instrument :

MSVOA_X

ClientSampleId :

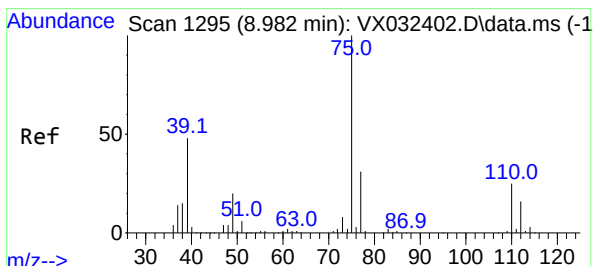
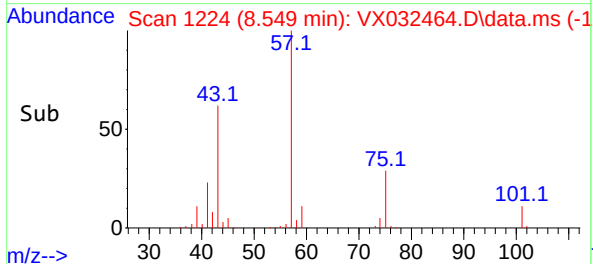
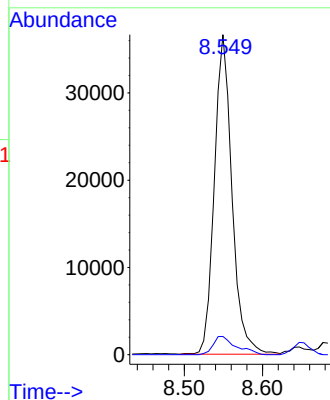
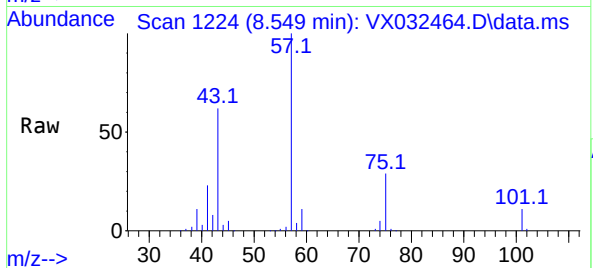
COMPOSITE-SW-QUARTER

Tgt Ion: 43 Resp: 57262

Ion Ratio Lower Upper

43 100

58 7.4 30.9 46.3#



#53

t-1,3-Dichloropropene

Concen: 0.222 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.030 min

Lab File: VX032464.D

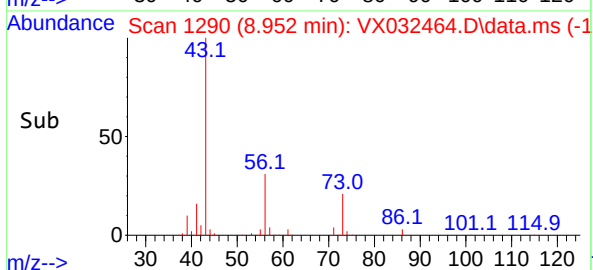
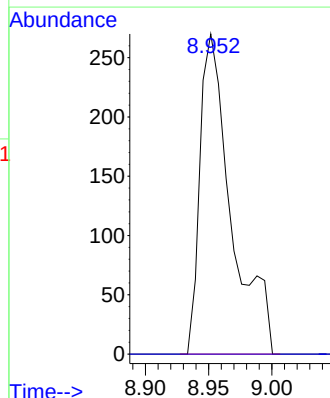
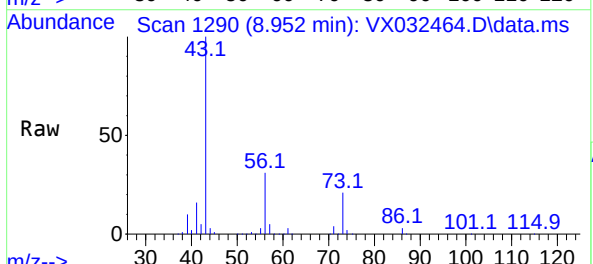
Acq: 28 Oct 2022 16:59

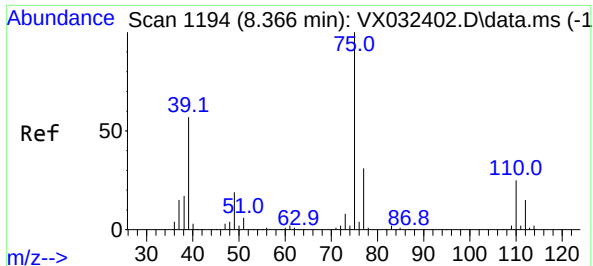
Tgt Ion: 75 Resp: 465

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

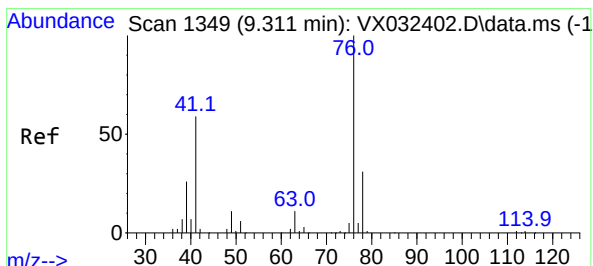
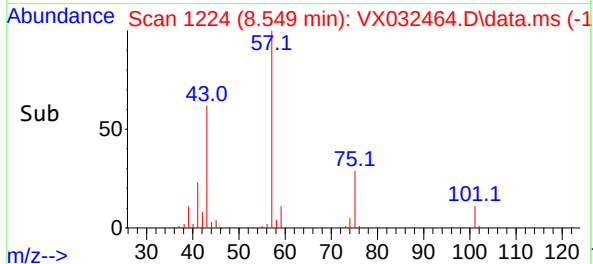
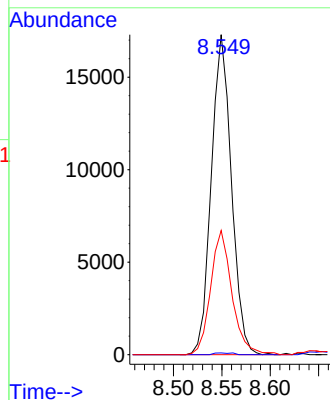
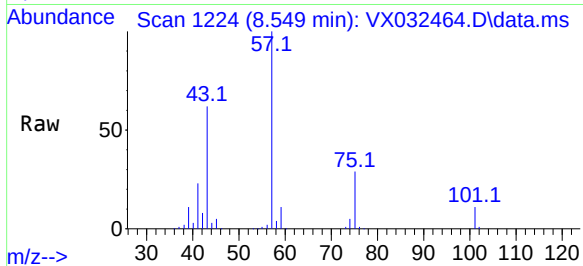




#54
 cis-1,3-Dichloropropene
 Concen: 11.153 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX032464.D
 Acq: 28 Oct 2022 16:59

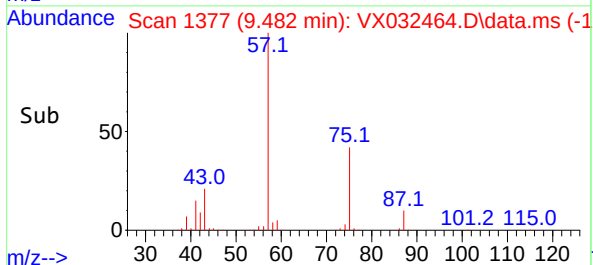
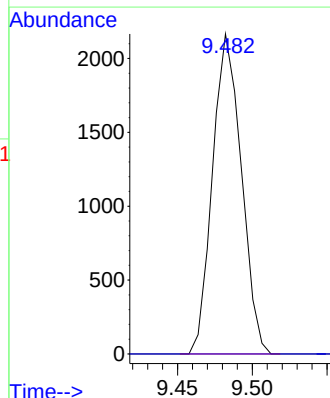
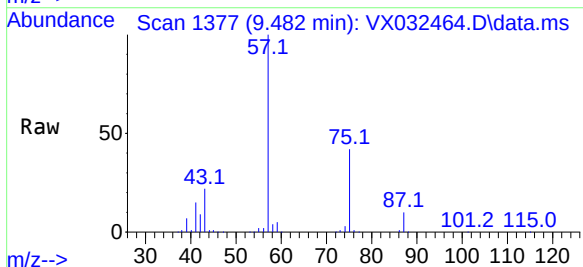
Instrument :
 MSVOA_X
 ClientSampleId :
 COMPOSITE-SW-QUARTER

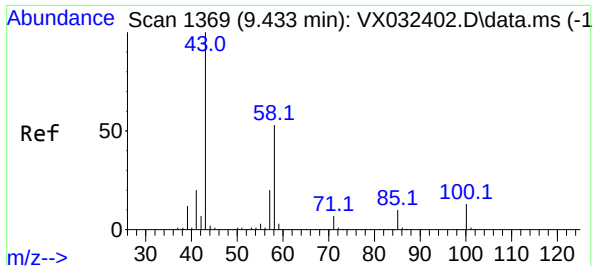
Tgt Ion: 75 Resp: 25007
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.1 37.7#
 39 38.8 45.5 68.3#



#57
 1,3-Dichloropropane
 Concen: 1.188 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX032464.D
 Acq: 28 Oct 2022 16:59

Tgt Ion: 76 Resp: 2902
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

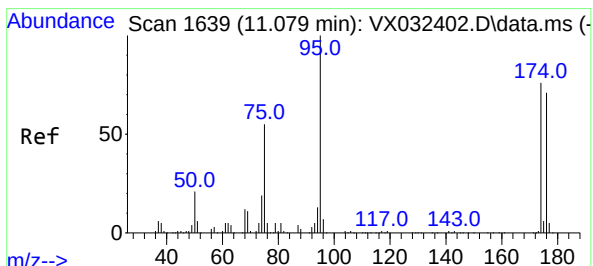
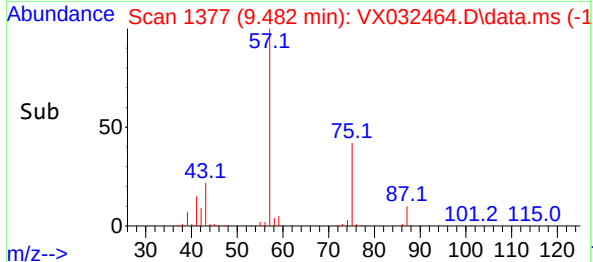
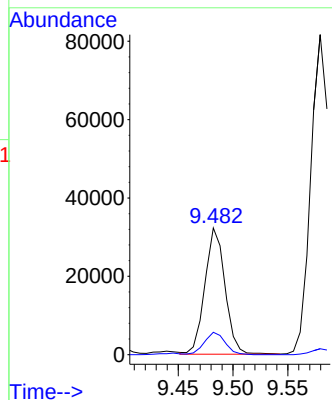
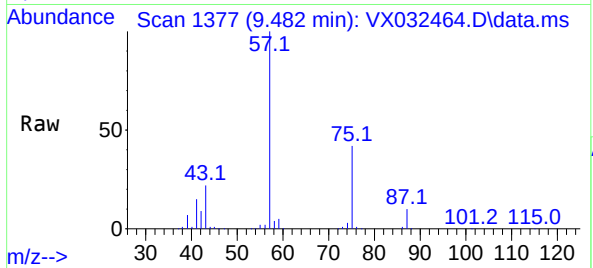




#59
2-Hexanone
Concen: 28.355 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX032464.D
Acq: 28 Oct 2022 16:59

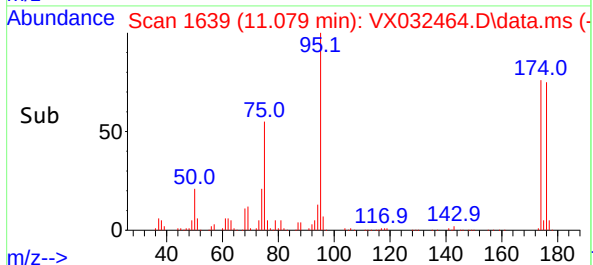
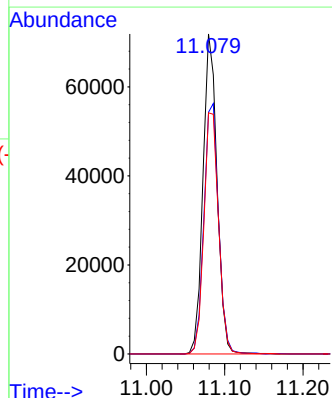
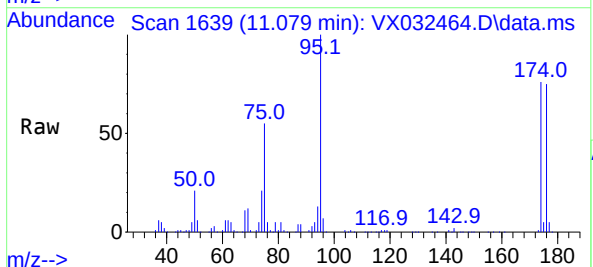
Instrument :
MSVOA_X
ClientSampleId :
COMPOSITE-SW-QUARTER

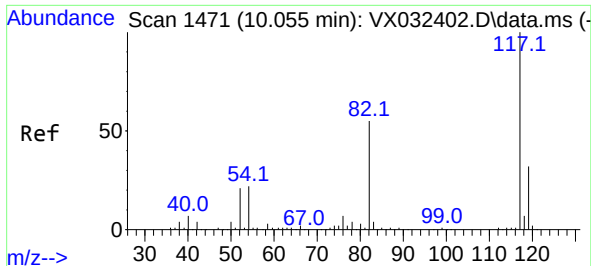
Tgt Ion: 43 Resp: 41217
Ion Ratio Lower Upper
43 100
58 18.3 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 47.155 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032464.D
Acq: 28 Oct 2022 16:59

Tgt Ion: 95 Resp: 89504
Ion Ratio Lower Upper
95 100
174 81.5 0.0 164.0
176 78.8 0.0 154.4

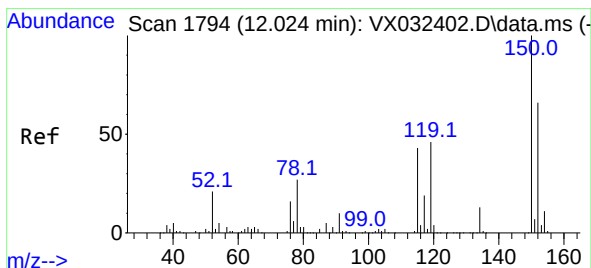
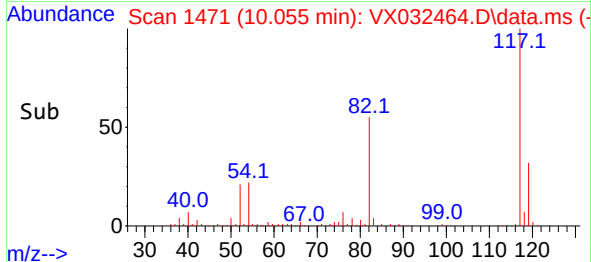
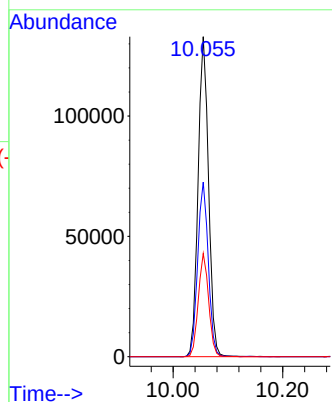
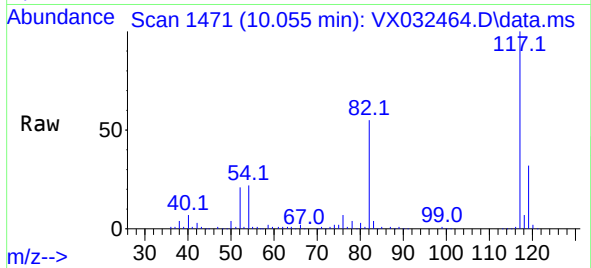




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032464.D
Acq: 28 Oct 2022 16:59

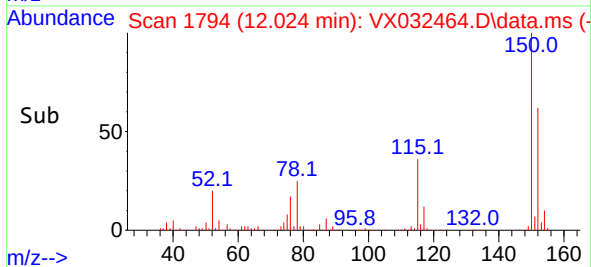
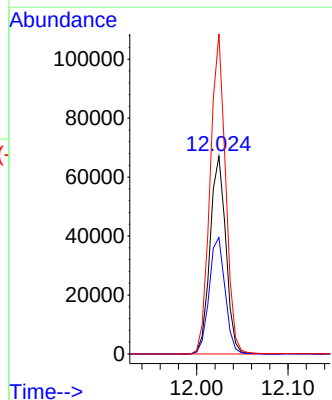
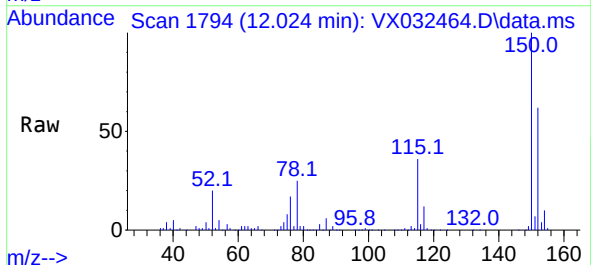
Instrument :
MSVOA_X
ClientSampleId :
COMPOSITE-SW-QUARTER

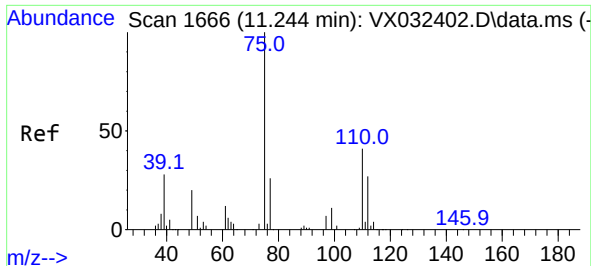
Tgt Ion:117 Resp: 177041
Ion Ratio Lower Upper
117 100
82 54.5 44.3 66.5
119 32.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032464.D
Acq: 28 Oct 2022 16:59

Tgt Ion:152 Resp: 80555
Ion Ratio Lower Upper
152 100
115 59.4 44.0 132.0
150 158.1 0.0 351.8

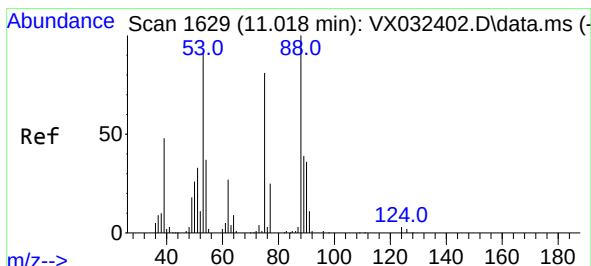
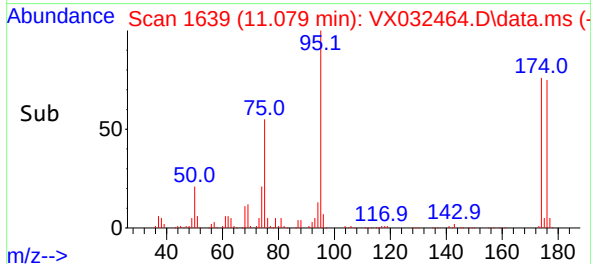
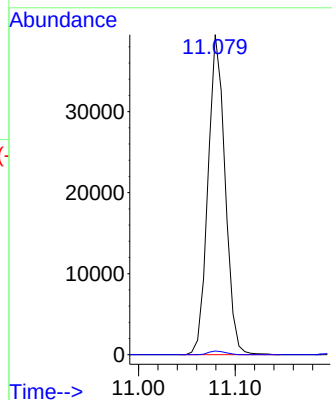
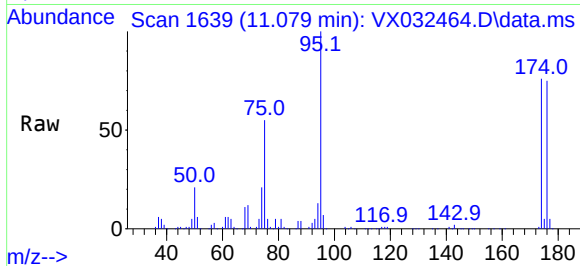




#76
1,2,3-Trichloropropane
Concen: 27.160 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032464.D
Acq: 28 Oct 2022 16:59

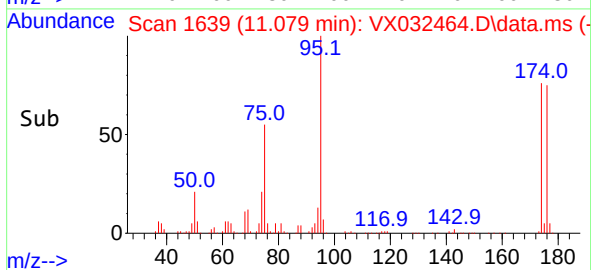
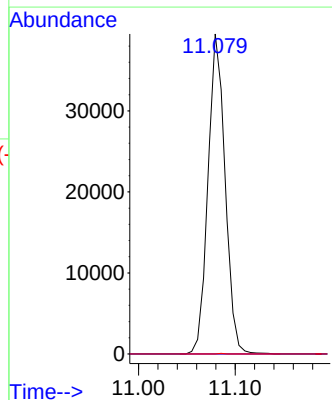
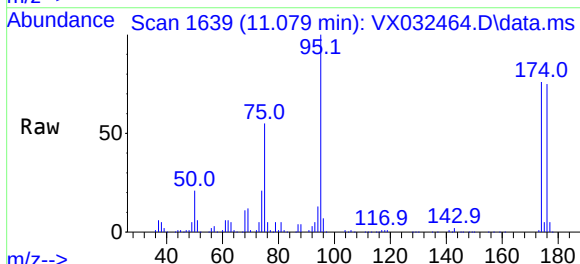
Instrument :
MSVOA_X
ClientSampleId :
COMPOSITE-SW-QUARTER

Tgt Ion: 75 Resp: 48675
Ion Ratio Lower Upper
75 100
77 1.1 20.0 60.0#

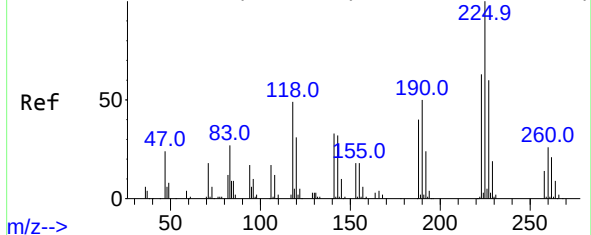


#81
trans-1,4-Dichloro-2-butene
Concen: 86.424 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032464.D
Acq: 28 Oct 2022 16:59

Tgt Ion: 75 Resp: 48675
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.1 38.3 57.5#



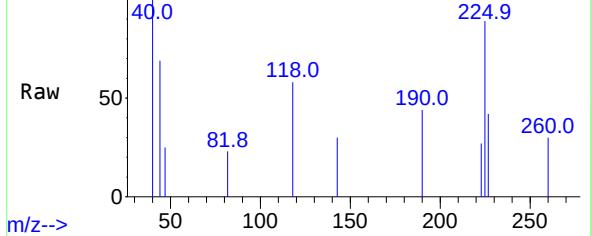
Abundance Scan 2073 (13.725 min): VX032402.D\data.ms (-



#94
Hexachlorobutadiene
Concen: 0.247 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX032464.D
Acq: 28 Oct 2022 16:59

Instrument :
MSVOA_X
ClientSampleId :
COMPOSITE-SW-QUARTER

Abundance Scan 2073 (13.725 min): VX032464.D\data.ms (-



Tgt Ion:	225	Resp:	196
Ion	Ratio	Lower	Upper
225	100		
223	29.1	31.9	95.9#
227	30.6	31.9	95.5#

Abundance Scan 2073 (13.725 min): VX032464.D\data.ms (-

