

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121922\
 Data File : VX033489.D
 Acq On : 19 Dec 2022 17:03
 Operator : JC/MD
 Sample : PB149722ZHE#18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 05:01:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

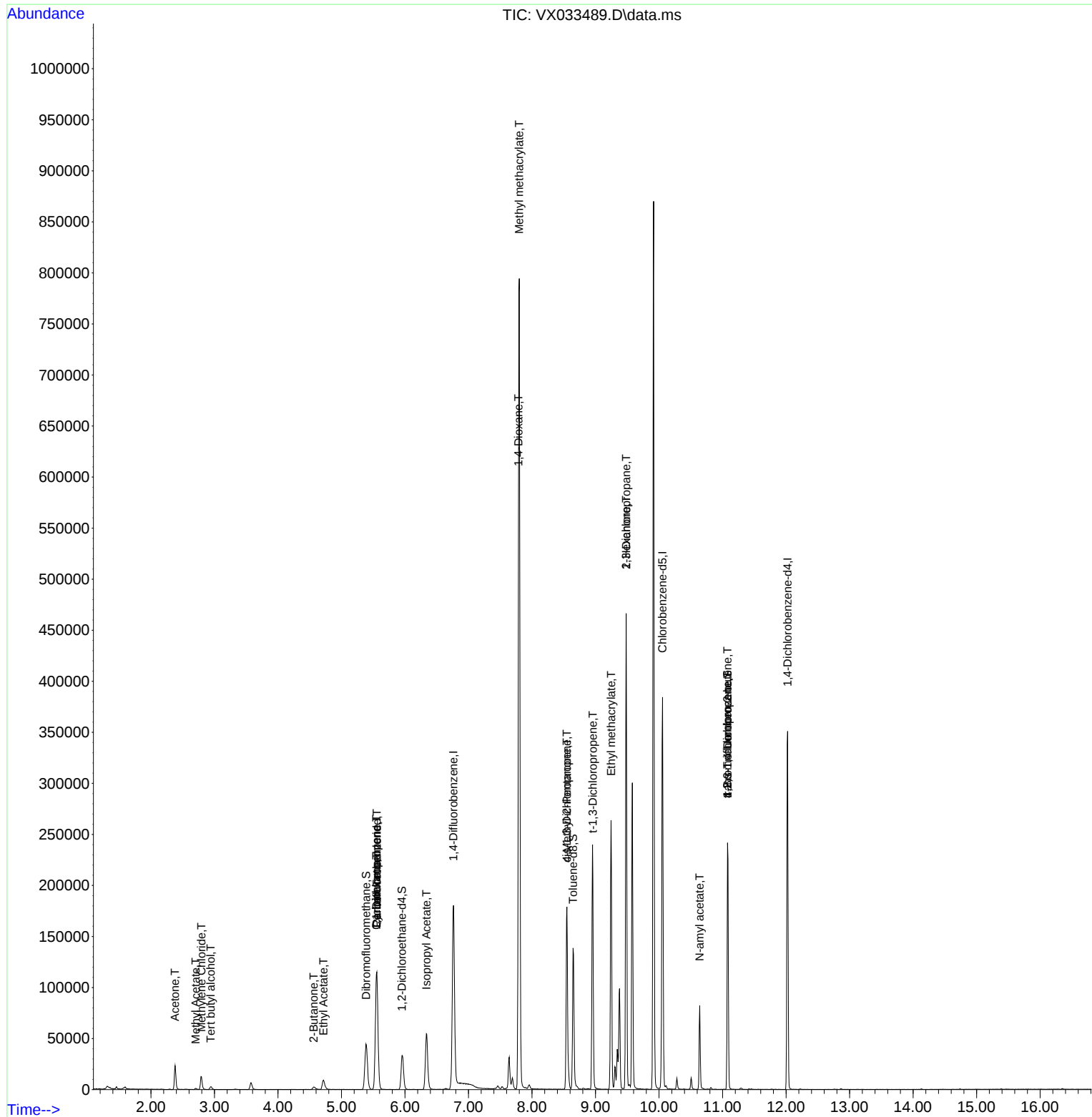
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	112472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	183990	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	35475	49.165	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.340%
35) Dibromofluoromethane	5.385	113	39691	47.962	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.920%
50) Toluene-d8	8.647	98	84018	48.532	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.060%
62) 4-Bromofluorobenzene	11.079	95	63888	48.265	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.520%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	1813	8.218	ug/l #	72
16) Acetone	2.379	43	25529	47.814	ug/l	98
18) Methyl Acetate	2.703	43	1529	0.989	ug/l	93
20) Methylene Chloride	2.794	84	6612	5.553	ug/l	96
25) 2-Butanone	4.562	43	4421	5.768	ug/l	91
31) Cyclohexane	5.550	56	2127	1.240	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8268	5.124	ug/l #	49
37) Ethyl Acetate	4.714	43	16786	11.006	ug/l	99
38) Carbon Tetrachloride	5.556	117	11332	6.269	ug/l #	16
43) Isopropyl Acetate	6.336	43	74069	30.183	ug/l	99
48) Methyl methacrylate	7.799	41	69981	55.255	ug/l #	42
49) 1,4-Dioxane	7.787	88	90	3.116	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	65503	42.209	ug/l #	53
53) t-1,3-Dichloropropene	8.958	75	463	2.735	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28530	15.007	ug/l #	59
56) Ethyl methacrylate	9.244	69	576	0.320	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3931	1.914	ug/l #	42
59) 2-Hexanone	9.482	43	52897	46.254	ug/l #	52
74) N-amyl acetate	10.640	43	19572	10.283	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	33652	21.490	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33652	66.849	ug/l #	6

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

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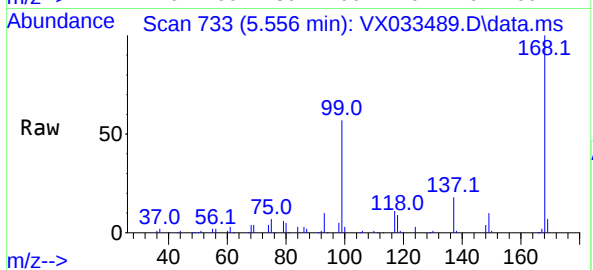
Quant Time: Dec 20 05:01:59 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
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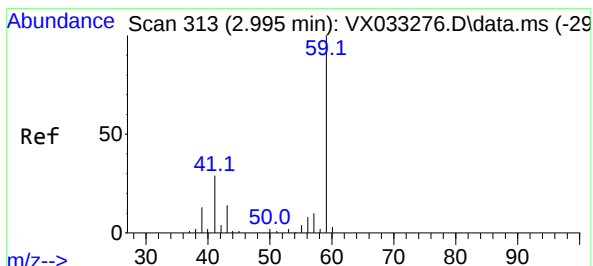
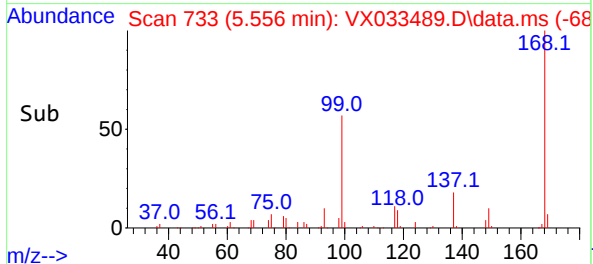
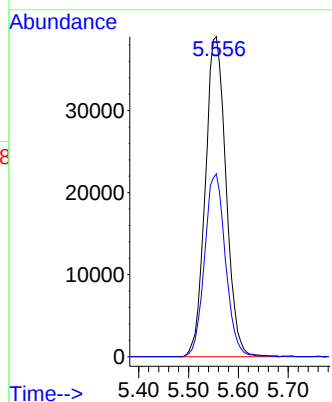


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

Instrument :
MSVOA_X
ClientSampleId :

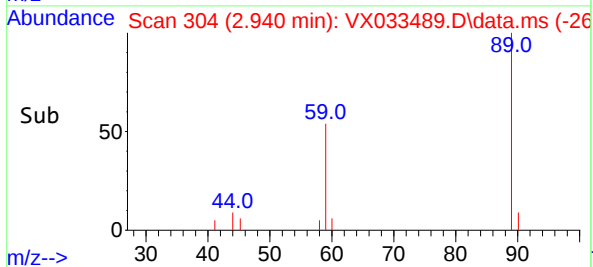
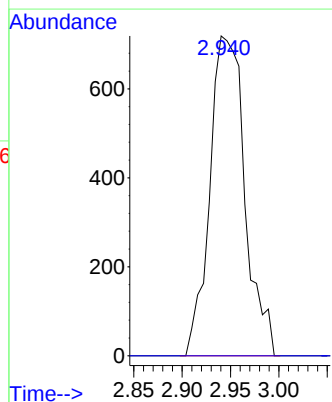
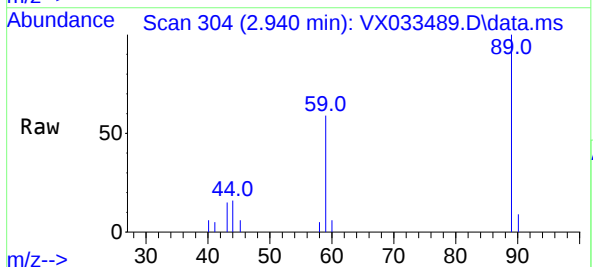


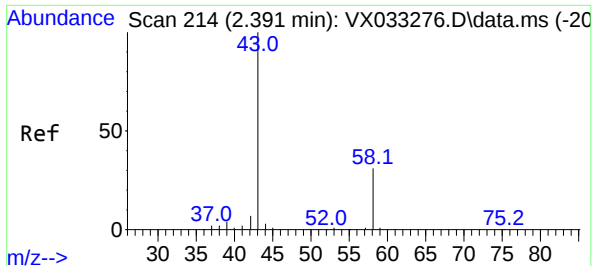
Tgt Ion:168 Resp: 112472
Ion Ratio Lower Upper
168 100
99 57.1 46.1 69.1



#11
Tert butyl alcohol
Concen: 8.218 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

Tgt Ion: 59 Resp: 1813
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

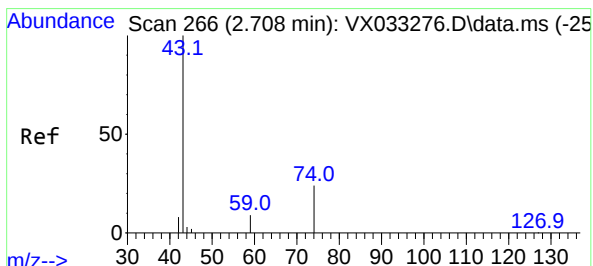
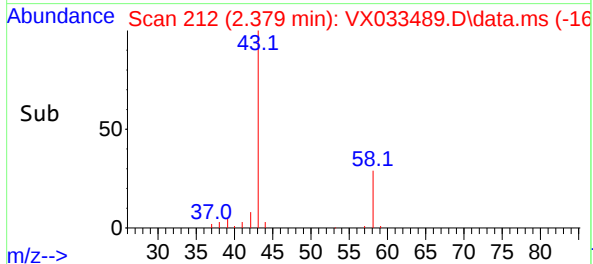
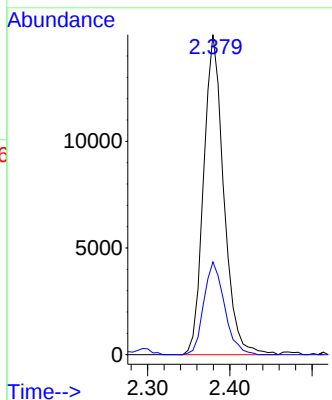
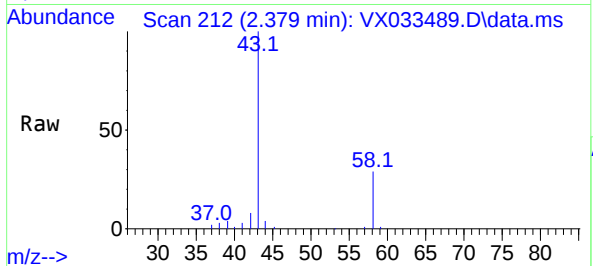




#16
Acetone
Concen: 47.814 ug/l
RT: 2.379 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

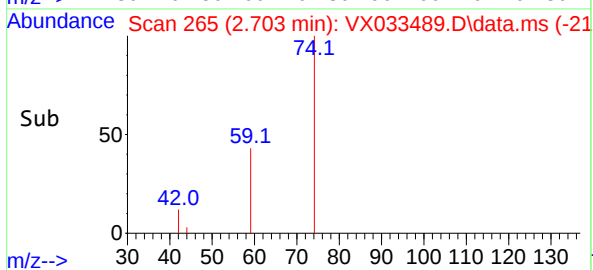
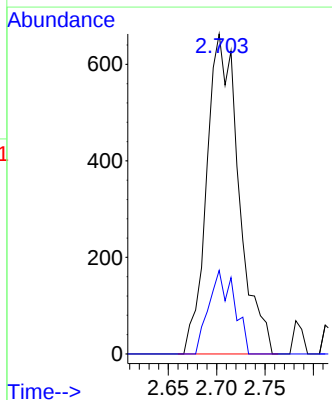
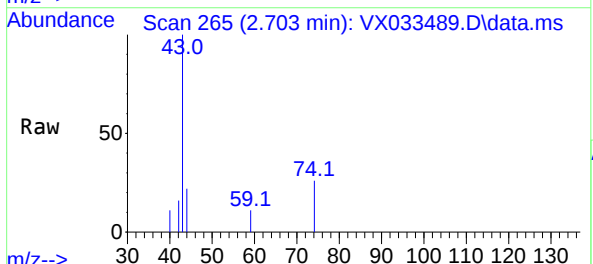
Instrument :
MSVOA_X
ClientSampleId :

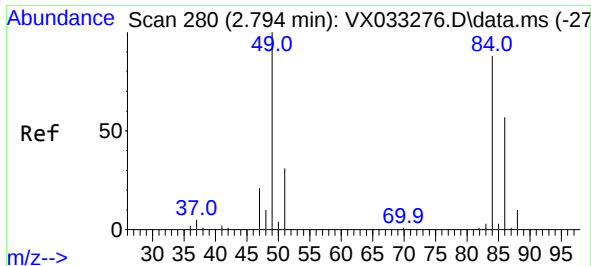
Tgt Ion: 43 Resp: 25529
Ion Ratio Lower Upper
43 100
58 28.9 23.8 35.8



#18
Methyl Acetate
Concen: 0.989 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

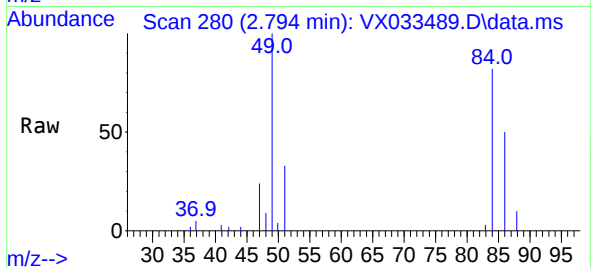
Tgt Ion: 43 Resp: 1529
Ion Ratio Lower Upper
43 100
74 20.6 19.4 29.0





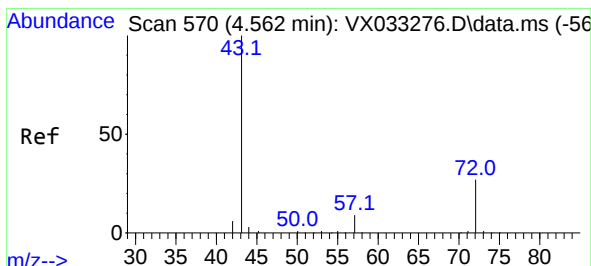
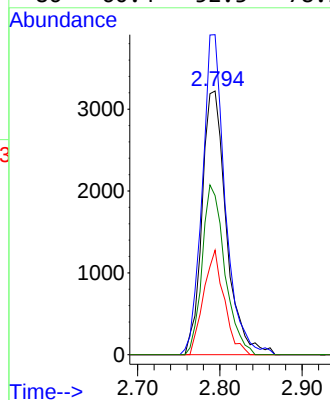
#20
Methylene Chloride
Concen: 5.553 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 6612

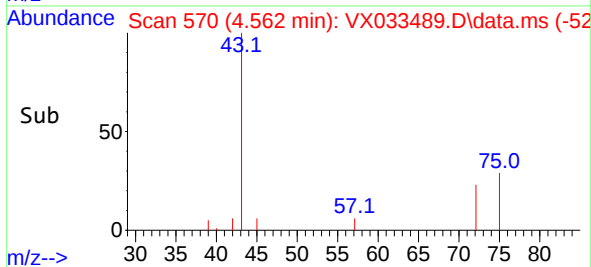
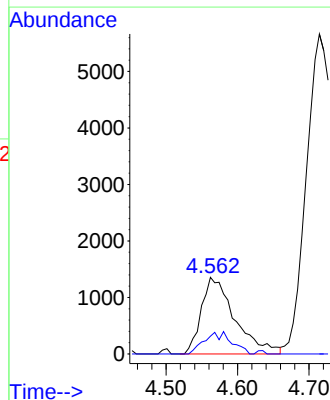
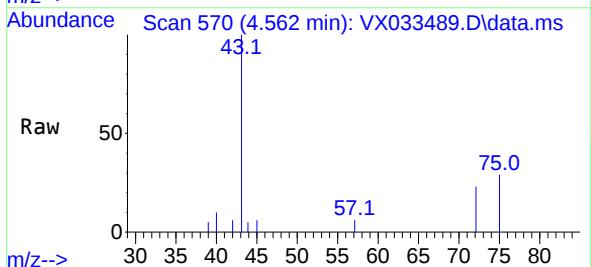
Ion	Ratio	Lower	Upper
84	100		
49	121.4	101.0	151.6
51	39.6	31.1	46.7
86	60.4	52.3	78.5

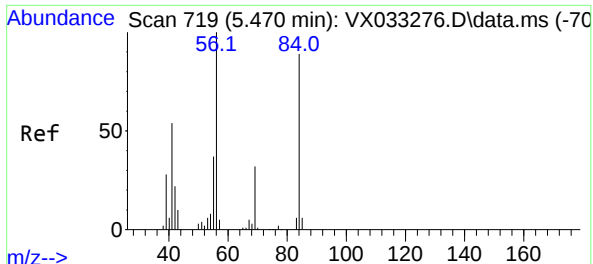


#25
2-Butanone
Concen: 5.768 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.000 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

Tgt Ion: 43 Resp: 4421

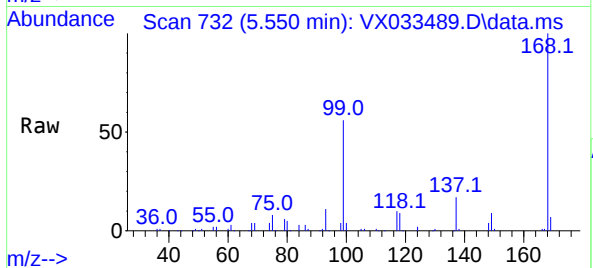
Ion	Ratio	Lower	Upper
43	100		
72	23.1	22.2	33.2



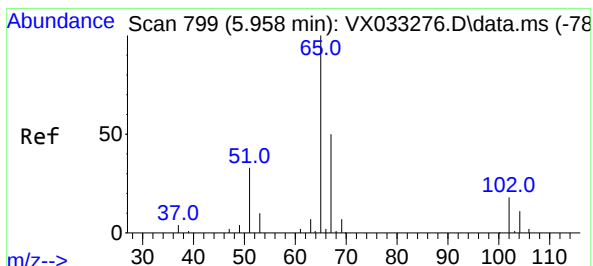
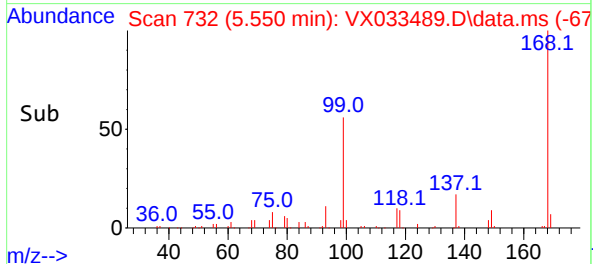
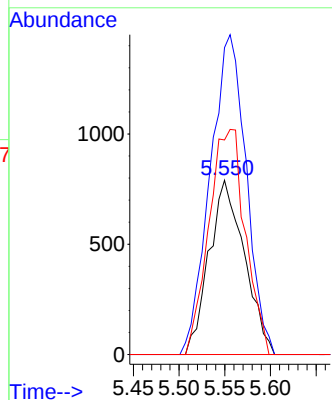


#31
Cyclohexane
Concen: 1.240 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

Instrument :
MSVOA_X
ClientSampleId :

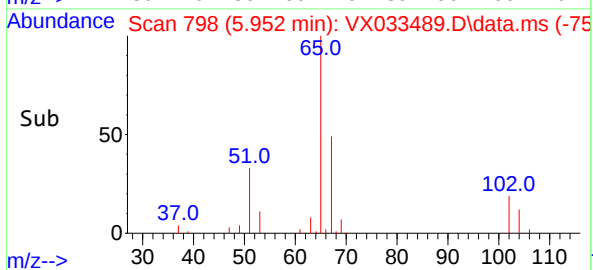
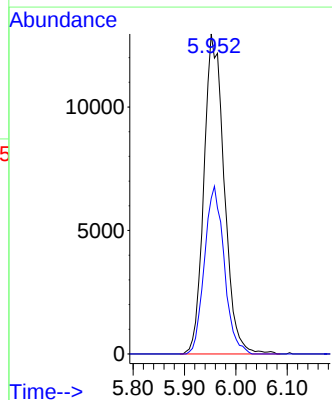
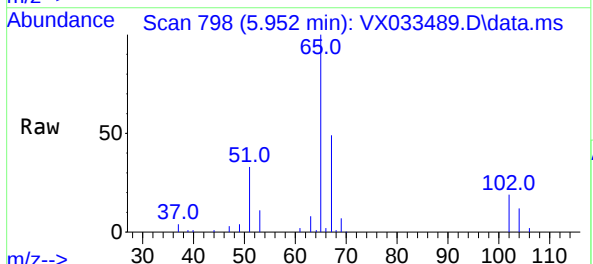


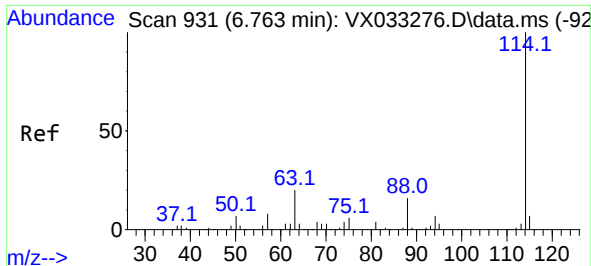
Tgt Ion: 56 Resp: 2127
Ion Ratio Lower Upper
56 100
69 176.1 24.1 36.1#
84 123.2 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 49.165 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

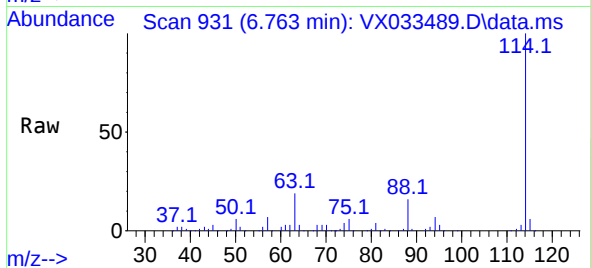
Tgt Ion: 65 Resp: 35475
Ion Ratio Lower Upper
65 100
67 50.9 0.0 101.8



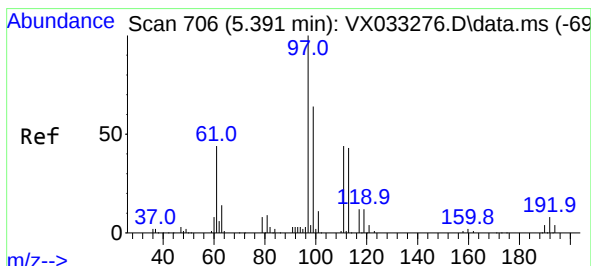
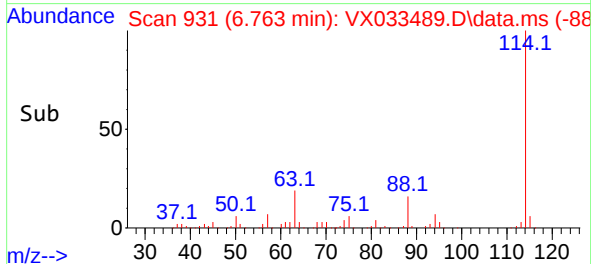
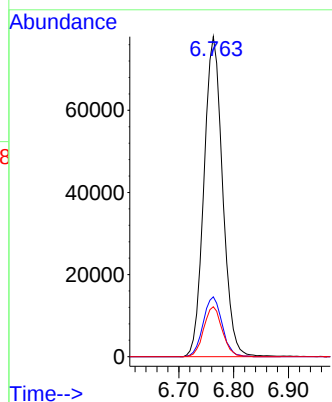


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

Instrument :
MSVOA_X
ClientSampleId :

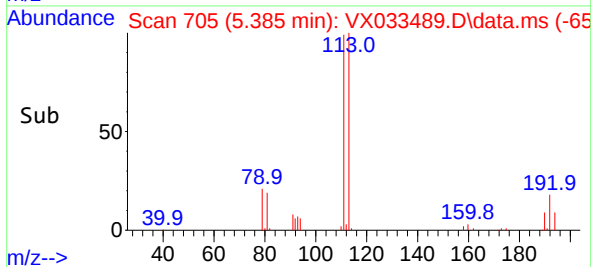
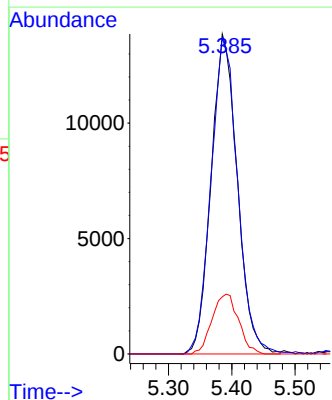
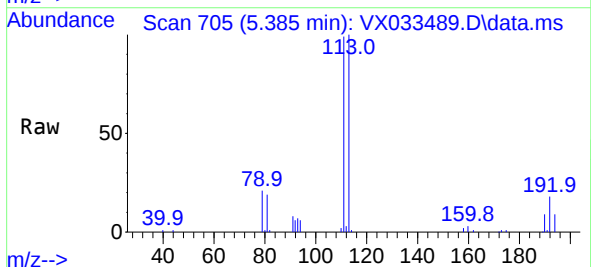


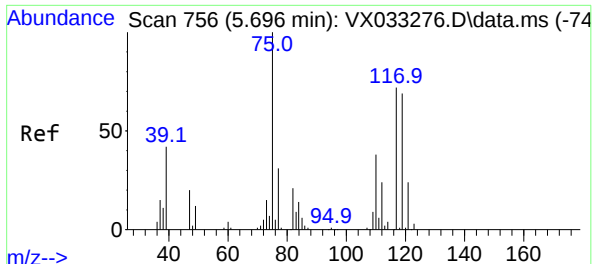
Tgt Ion:114 Resp: 183990
Ion Ratio Lower Upper
114 100
63 18.7 0.0 41.6
88 15.6 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.962 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

Tgt Ion:113 Resp: 39691
Ion Ratio Lower Upper
113 100
111 100.9 82.4 123.6
192 18.9 15.4 23.2





#36

1,1-Dichloropropene

Concen: 5.124 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

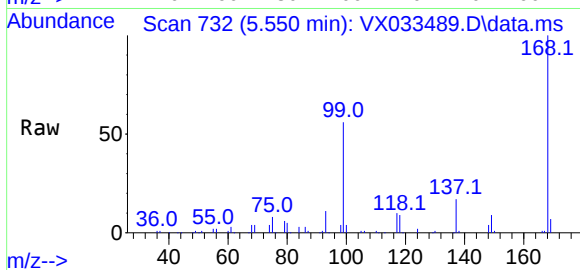
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Acq: 19 Dec 2022 17:03

Instrument :

MSVOA_X

ClientSampleId :



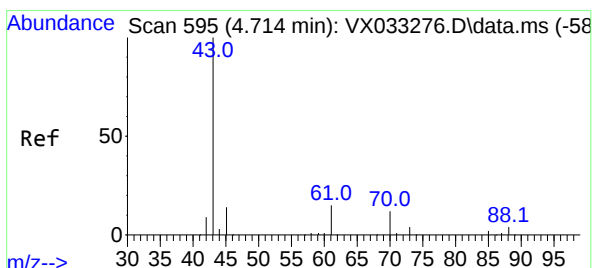
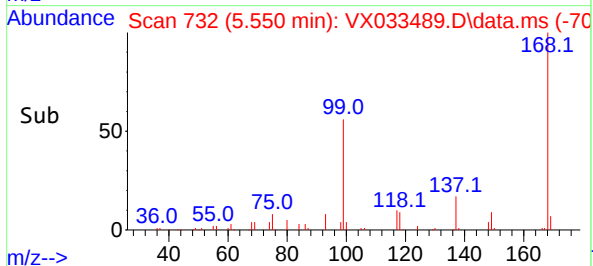
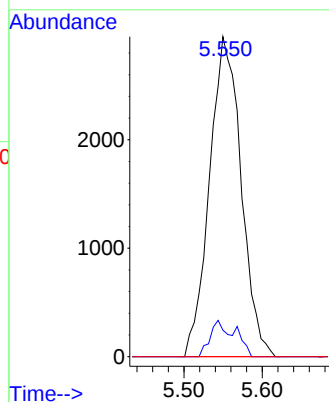
Tgt Ion: 75 Resp: 8268

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.2#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 11.006 ug/l

RT: 4.714 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX033489.D

Acq: 19 Dec 2022 17:03

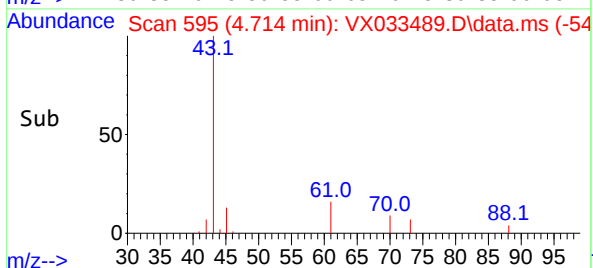
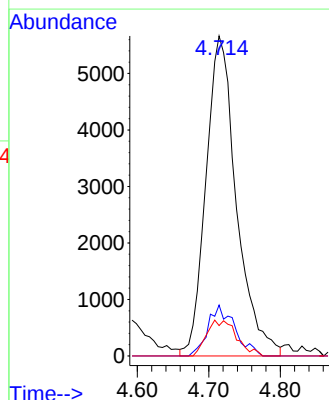
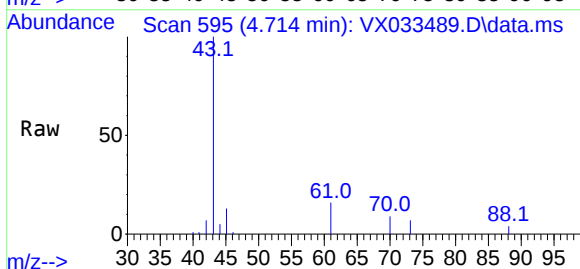
Tgt Ion: 43 Resp: 16786

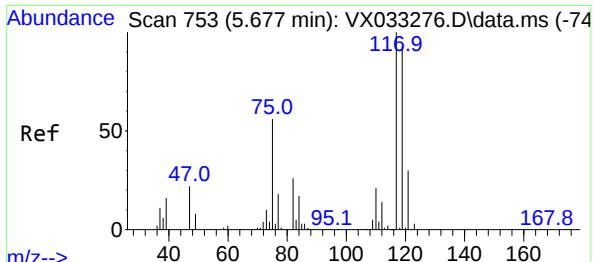
Ion Ratio Lower Upper

43 100

61 14.0 11.5 17.3

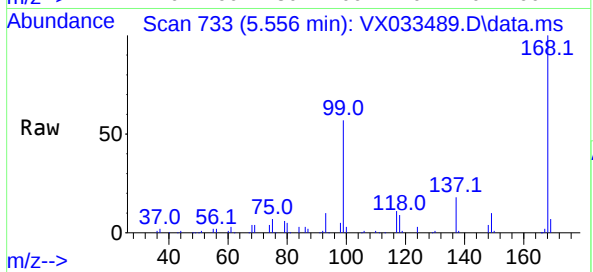
70 11.0 9.1 13.7



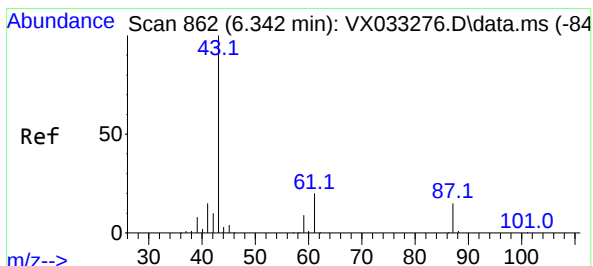
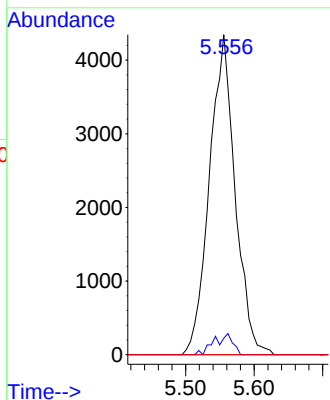
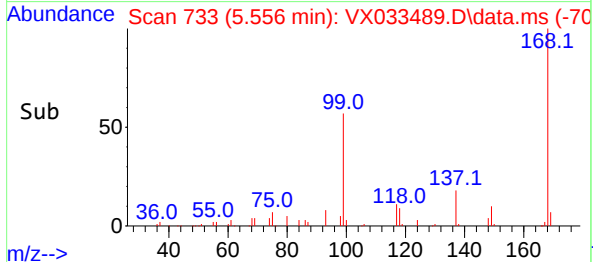


#38
Carbon Tetrachloride
Concen: 6.269 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

Instrument :
MSVOA_X
ClientSampleId :

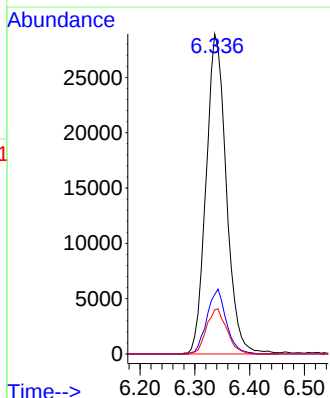
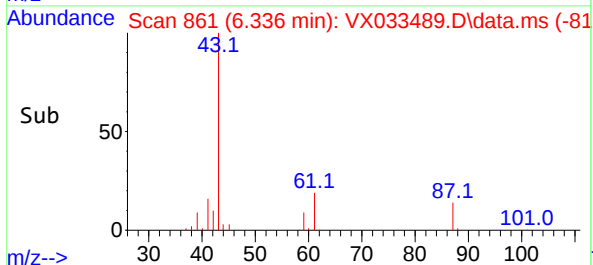
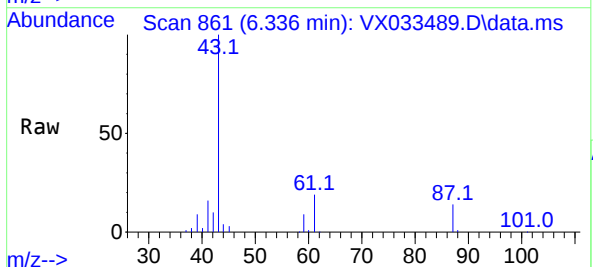


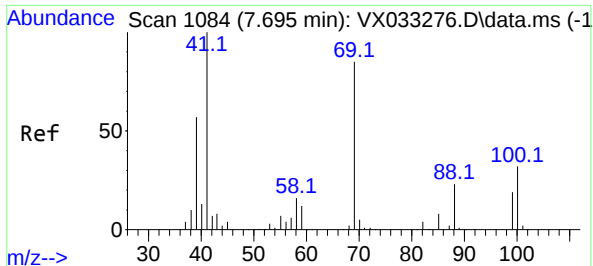
Tgt Ion:117 Resp: 11332
Ion Ratio Lower Upper
117 100
119 5.2 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 30.183 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

Tgt Ion: 43 Resp: 74069
Ion Ratio Lower Upper
43 100
61 19.4 15.4 23.0
87 14.1 10.8 16.2





#48

Methyl methacrylate

Concen: 55.255 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX033489.D

Acq: 19 Dec 2022 17:03

Instrument :

MSVOA_X

ClientSampleId :

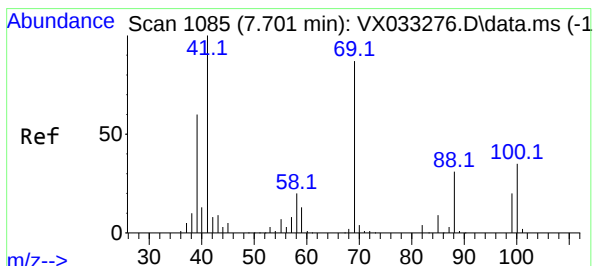
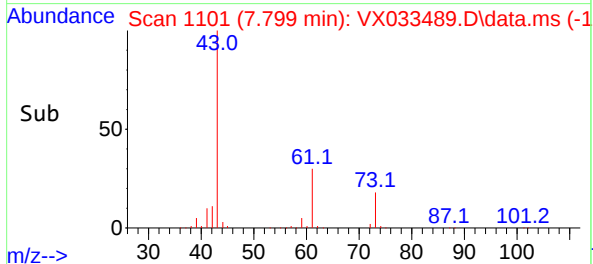
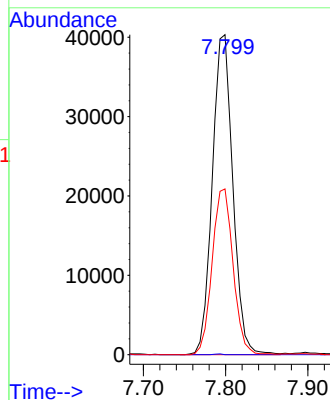
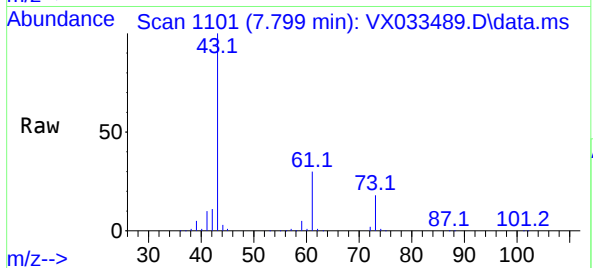
Tgt Ion: 41 Resp: 69981

Ion Ratio Lower Upper

41 100

69 0.1 65.1 97.7#

39 53.0 51.9 77.9



#49

1,4-Dioxane

Concen: 3.116 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.086 min

Lab File: VX033489.D

Acq: 19 Dec 2022 17:03

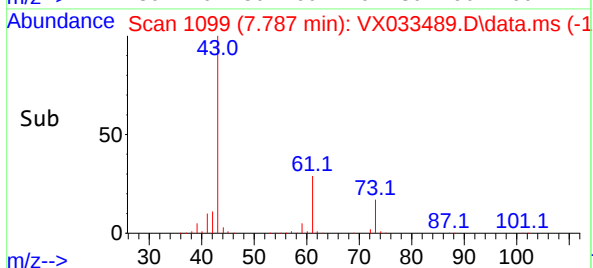
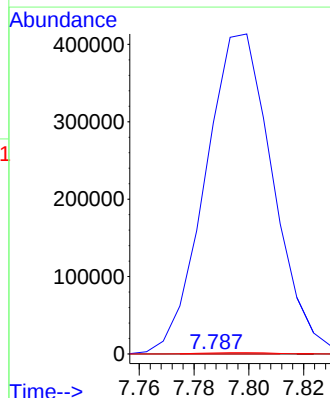
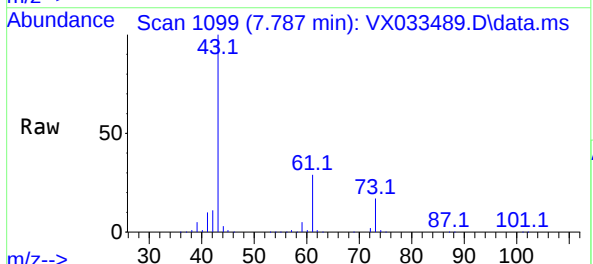
Tgt Ion: 88 Resp: 90

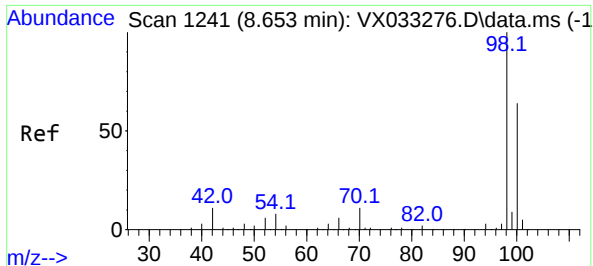
Ion Ratio Lower Upper

88 100

43 796893.3 26.6 39.8#

58 3370.0 51.7 77.5#





#50

Toluene-d8

Concen: 48.532 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX033489.D

Acq: 19 Dec 2022 17:03

Instrument :

MSVOA_X

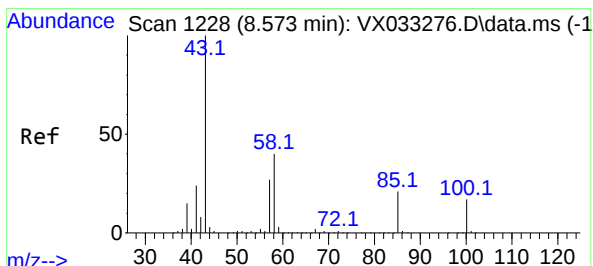
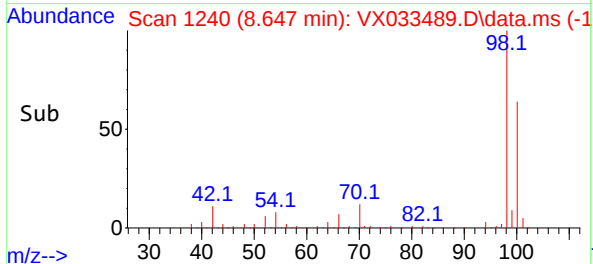
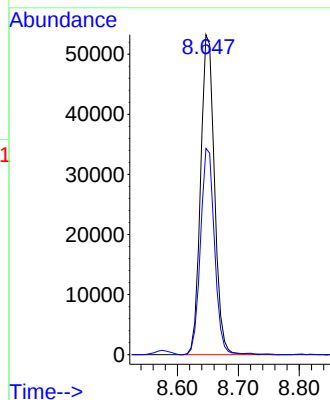
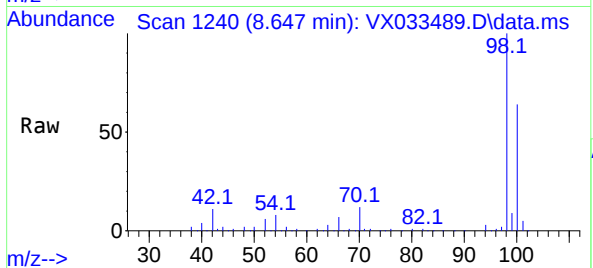
ClientSampleId :

Tgt Ion: 98 Resp: 84018

Ion Ratio Lower Upper

98 100

100 65.1 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 42.209 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX033489.D

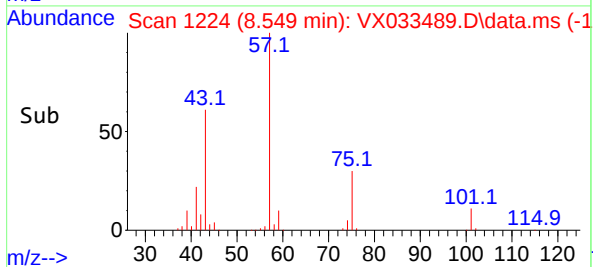
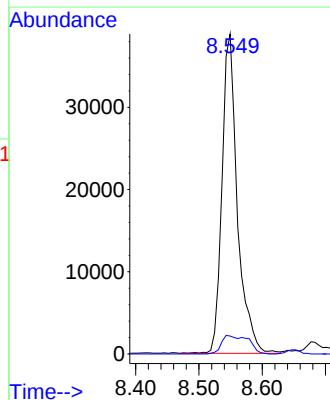
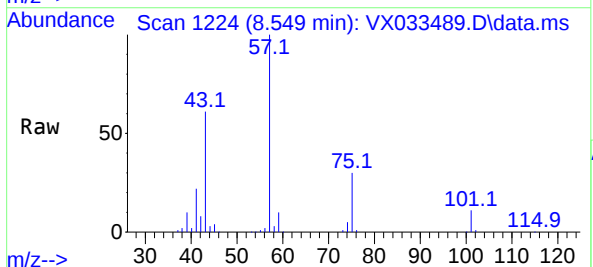
Acq: 19 Dec 2022 17:03

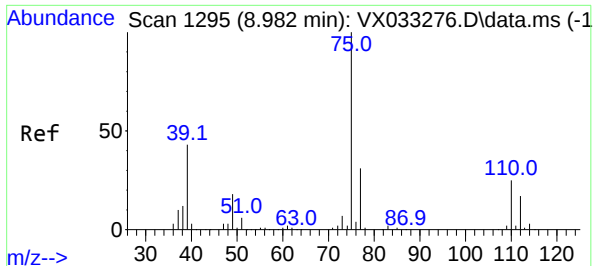
Tgt Ion: 43 Resp: 65503

Ion Ratio Lower Upper

43 100

58 10.2 30.9 46.3#

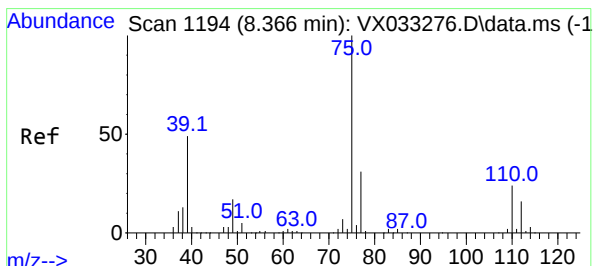
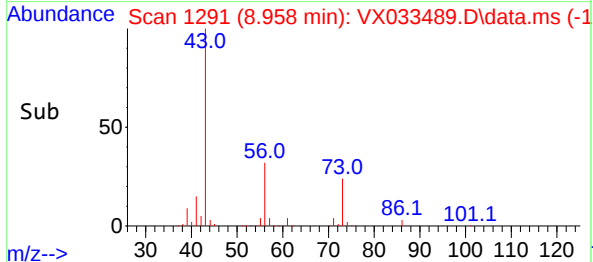
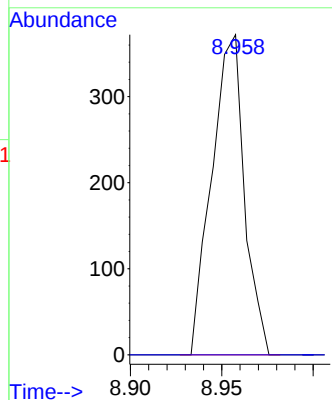
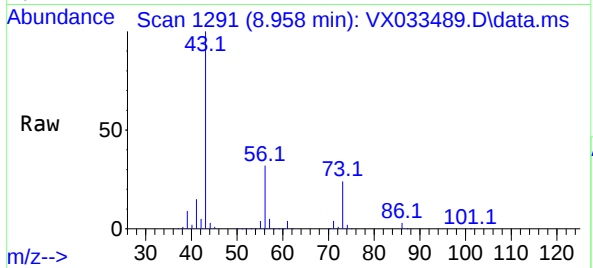




#53
t-1,3-Dichloropropene
Concen: 2.735 ug/l
RT: 8.958 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

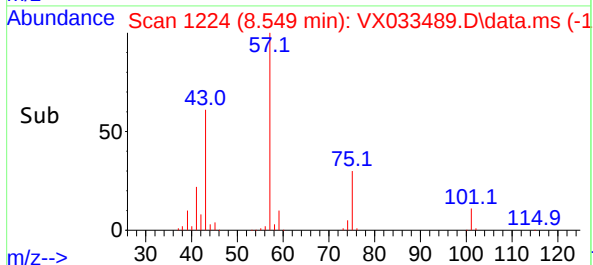
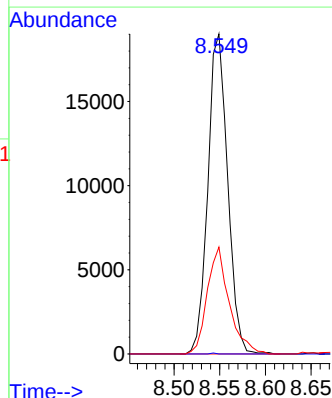
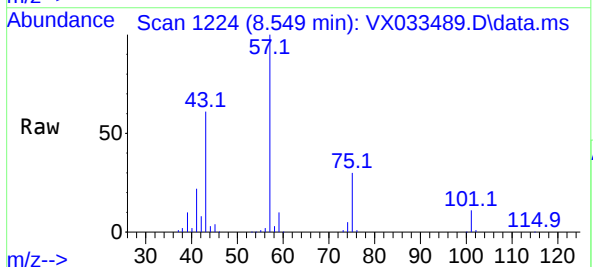
Instrument :
MSVOA_X
ClientSampleId :

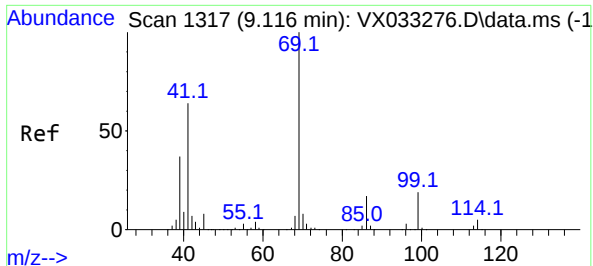
Tgt Ion: 75 Resp: 463
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 15.007 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

Tgt Ion: 75 Resp: 28530
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
39 33.4 45.5 68.3#

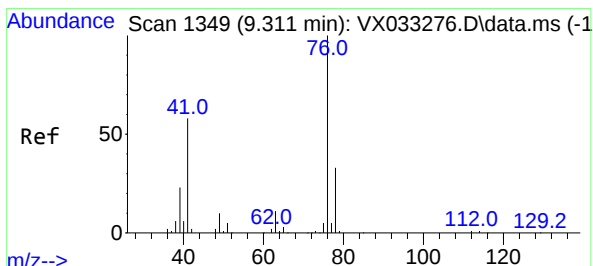
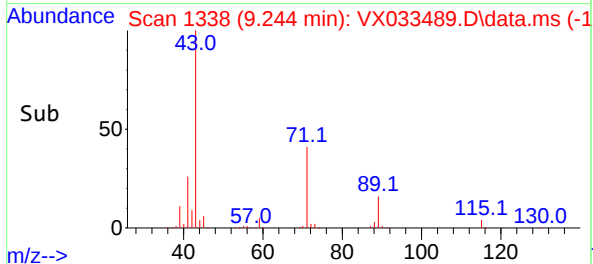
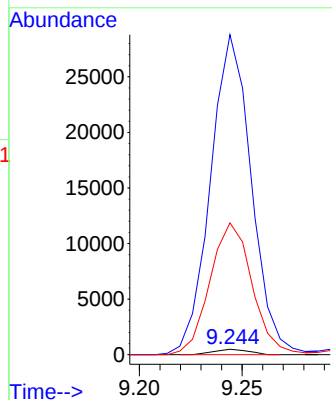
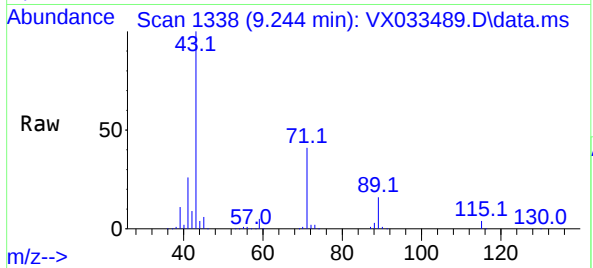




#56
Ethyl methacrylate
Concen: 0.320 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

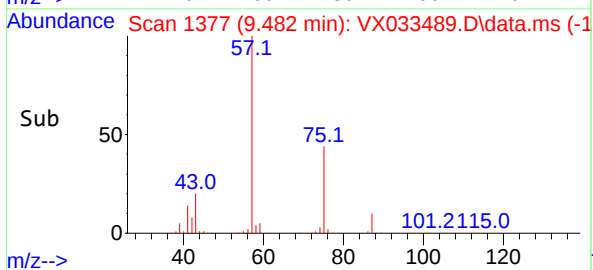
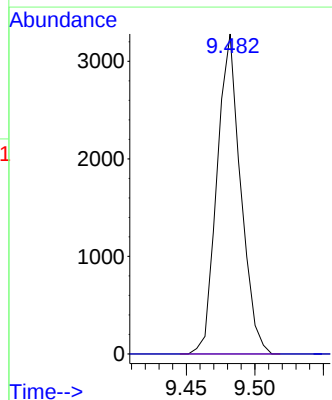
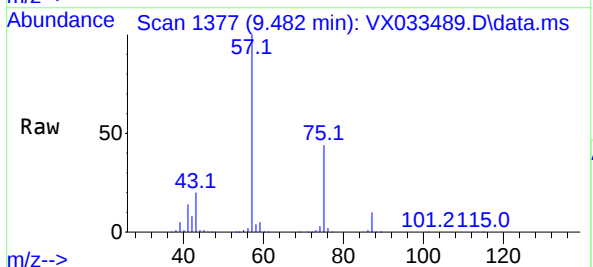
Instrument :
MSVOA_X
ClientSampleId :

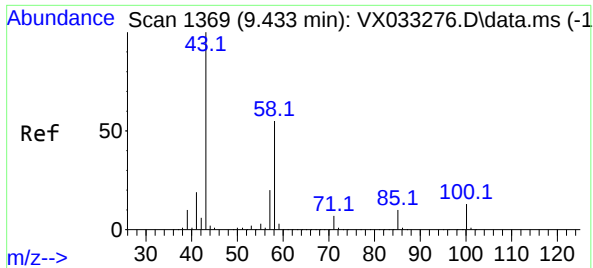
Tgt Ion: 69 Resp: 576
Ion Ratio Lower Upper
69 100
41 6938.7 54.3 81.5#
39 2940.6 35.2 52.8#



#57
1,3-Dichloropropane
Concen: 1.914 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

Tgt Ion: 76 Resp: 3931
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

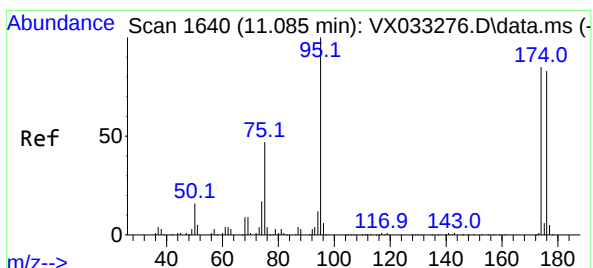
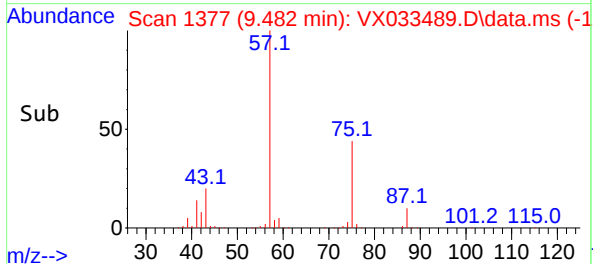
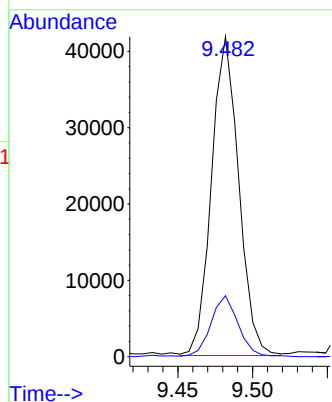
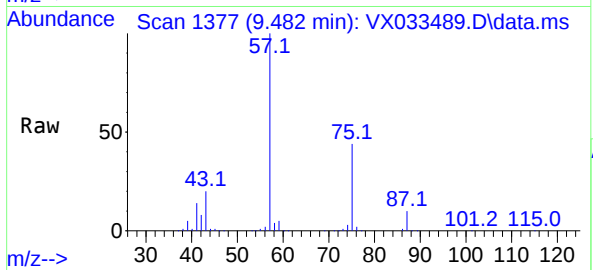




#59
2-Hexanone
Concen: 46.254 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

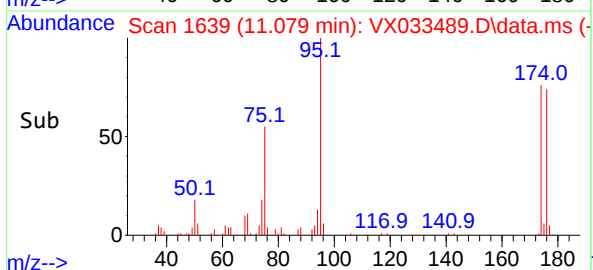
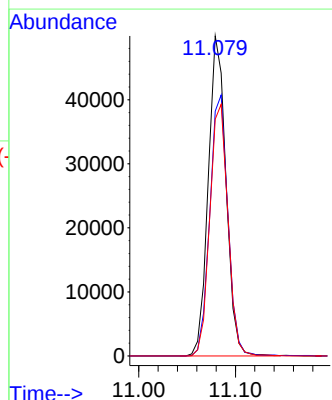
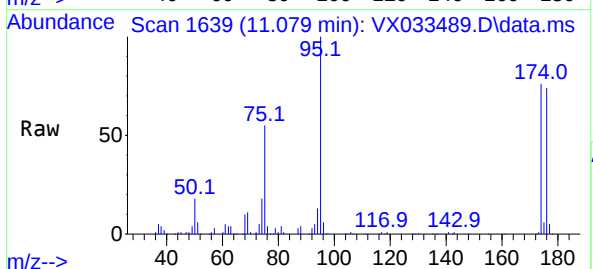
Instrument :
MSVOA_X
ClientSampleId :

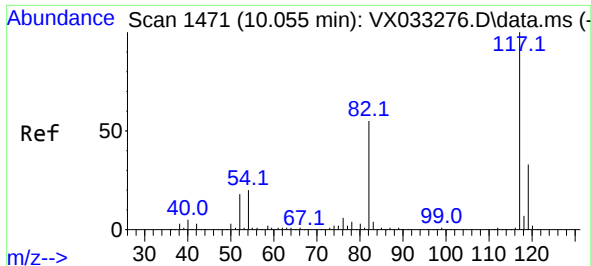
Tgt Ion: 43 Resp: 52897
Ion Ratio Lower Upper
43 100
58 19.2 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 48.265 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

Tgt Ion: 95 Resp: 63888
Ion Ratio Lower Upper
95 100
174 82.9 0.0 164.0
176 80.3 0.0 154.4

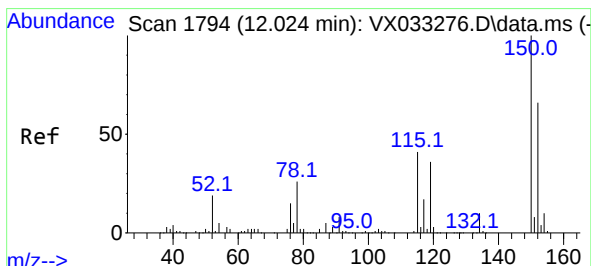
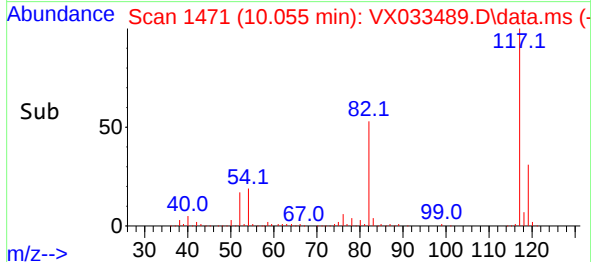
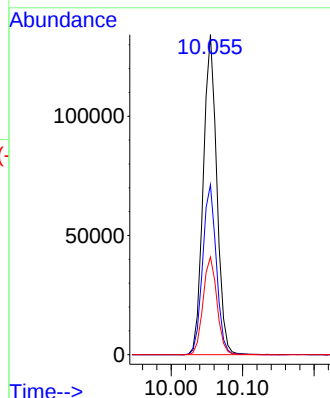
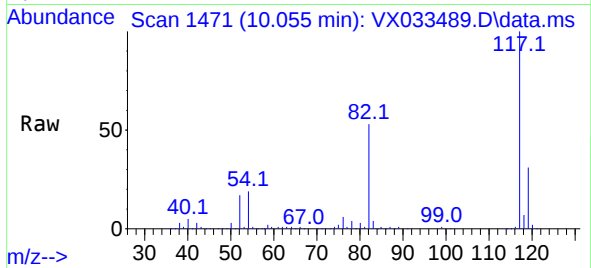




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

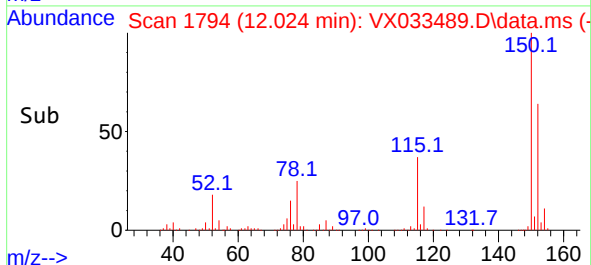
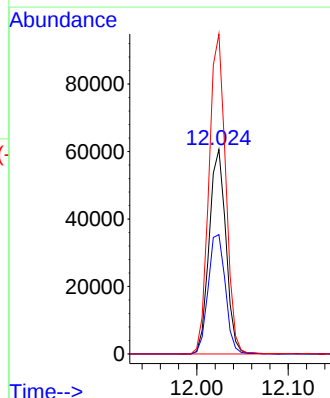
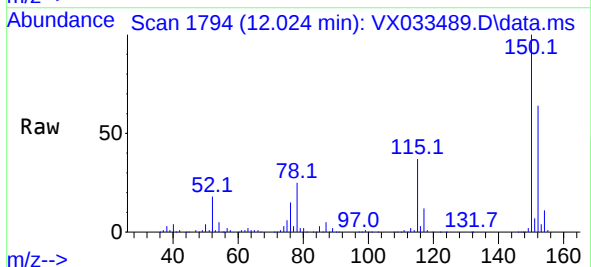
Instrument :
MSVOA_X
ClientSampleId :

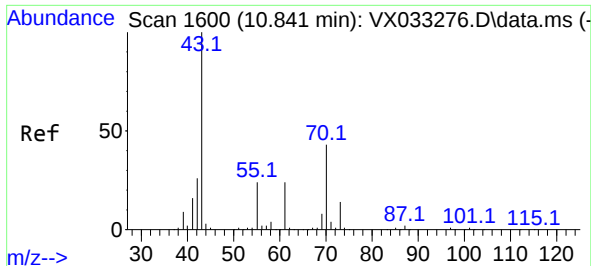
Tgt Ion:117 Resp: 176559
Ion Ratio Lower Upper
117 100
82 53.1 44.3 66.5
119 30.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

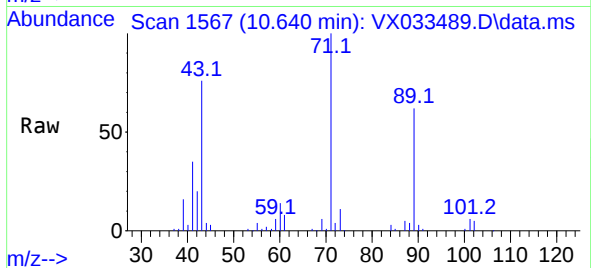
Tgt Ion:152 Resp: 76968
Ion Ratio Lower Upper
152 100
115 60.2 44.0 132.0
150 156.6 0.0 351.8



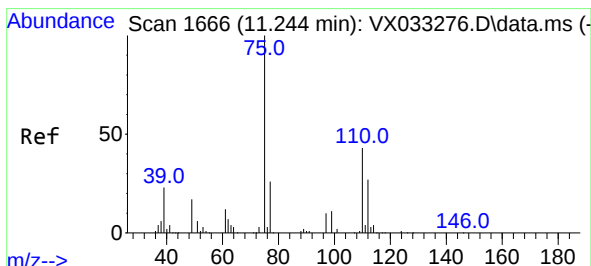
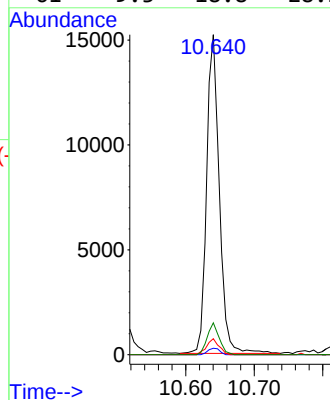
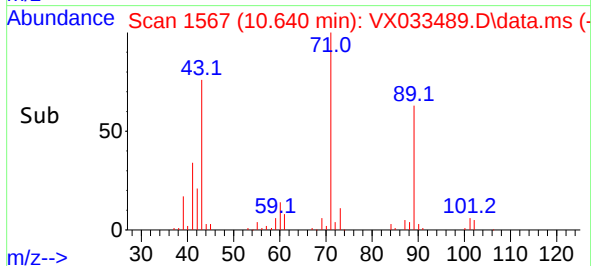


#74
N-amy1 acetate
Concen: 10.283 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

Instrument :
MSVOA_X
ClientSampleId :

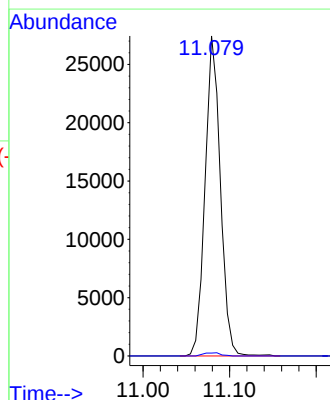
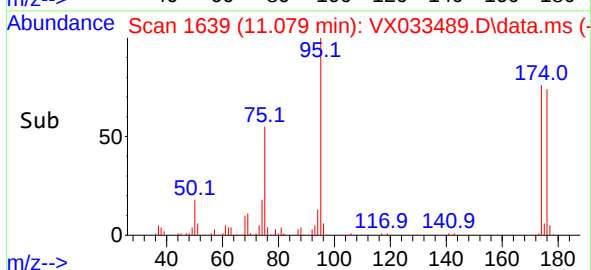
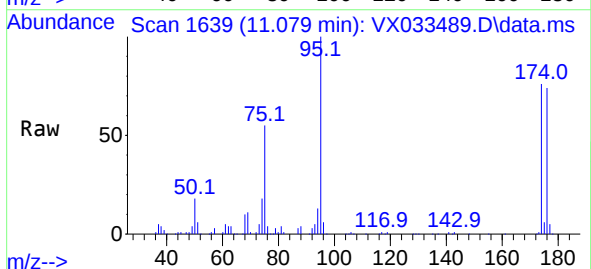


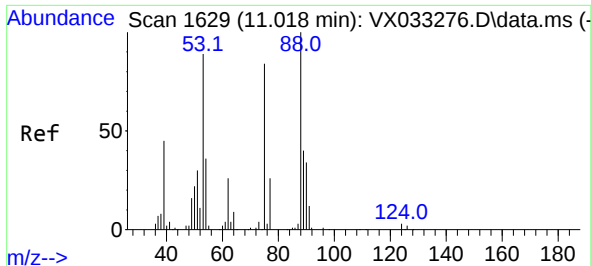
Tgt Ion: 43	Resp: 19572
Ion Ratio	Lower Upper
43 100	
70 1.8	33.6 50.4#
55 4.8	19.4 29.2#
61 9.3	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 21.490 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033489.D
Acq: 19 Dec 2022 17:03

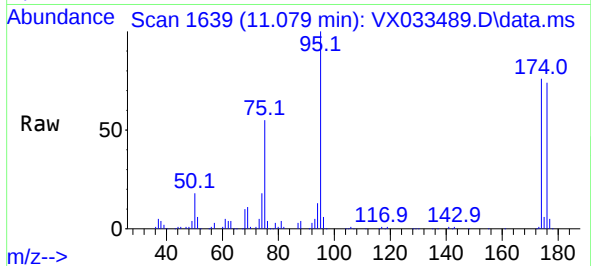
Tgt Ion: 75	Resp: 33652
Ion Ratio	Lower Upper
75 100	
77 1.1	20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.849 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX033489.D
 Acq: 19 Dec 2022 17:03

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 33652
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

