

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120321\
 Data File : VX025485.D
 Acq On : 03 Dec 2021 16:19
 Operator : JC/MD
 Sample : M4917-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 04 06:51:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

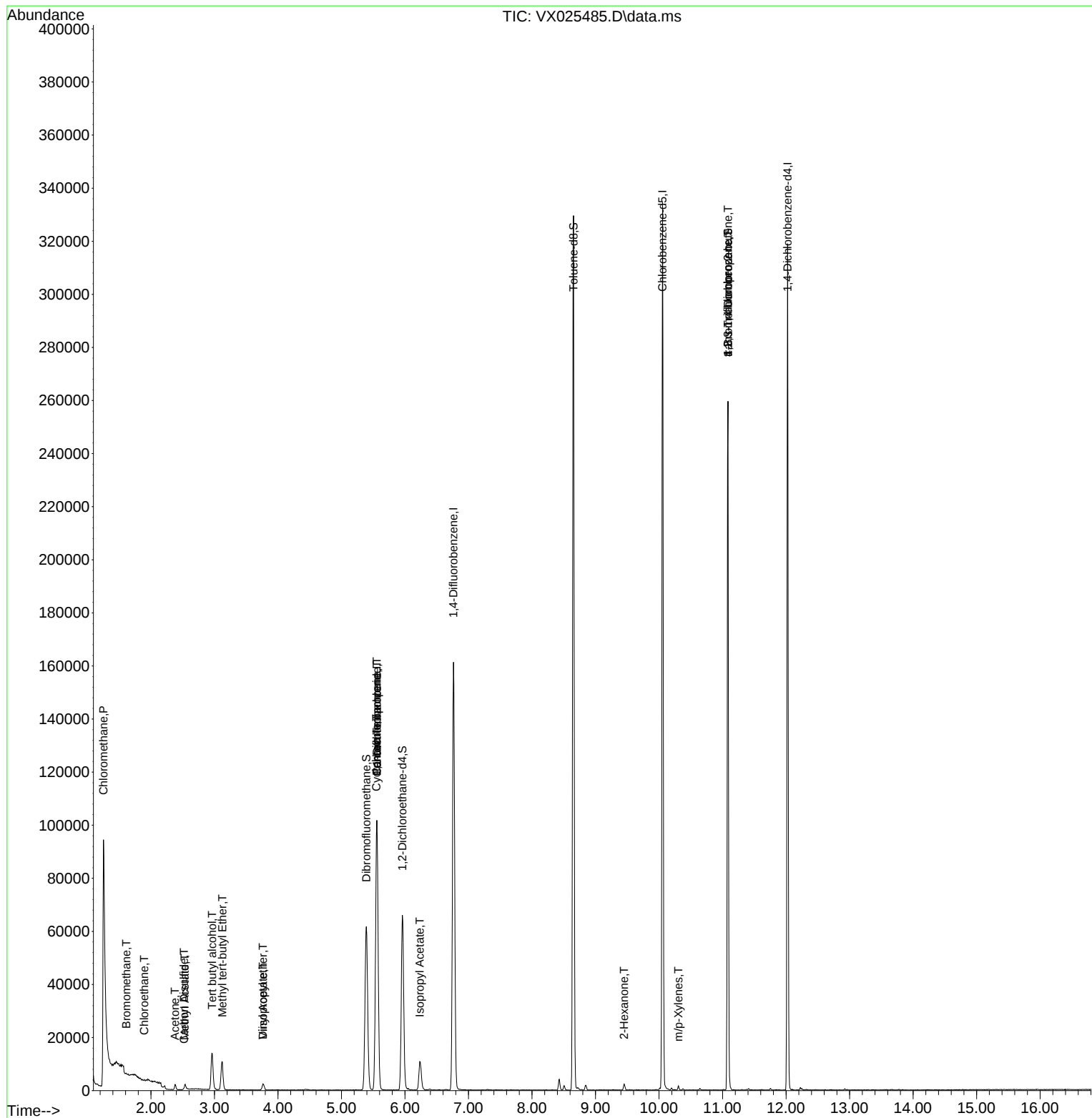
Internal Standards						
1) Pentafluorobenzene	5.556	168	104189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	173775	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	155033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	62163	56.603	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	113.200%
35) Dibromofluoromethane	5.391	113	53377	50.062	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.120%
50) Toluene-d8	8.653	98	201047	50.151	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.300%
62) 4-Bromofluorobenzene	11.085	95	69037	45.521	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.040%
Target Compounds						Qvalue
3) Chloromethane	1.252	50	3631	3.247	ug/l #	42
5) Bromomethane	1.611	94	154	0.292	ug/l	84
6) Chloroethane	1.892	64	427	0.504	ug/l #	58
11) Tert butyl alcohol	2.965	59	16785	54.806	ug/l	98
16) Acetone	2.380	43	2170	3.556	ug/l	94
17) Carbon Disulfide	2.520	76	676	0.249	ug/l #	76
18) Methyl Acetate	2.532	43	634	0.325	ug/l #	52
19) Methyl tert-butyl Ether	3.123	73	12387	3.681	ug/l	95
22) Diisopropyl ether	3.764	45	2243	0.674	ug/l #	84
23) Vinyl Acetate	3.764	43	1203	0.450	ug/l #	72
31) Cyclohexane	5.550	56	1961	1.155	ug/l #	31
36) 1,1-Dichloropropene	5.556	75	6943	4.579	ug/l #	50
38) Carbon Tetrachloride	5.556	117	9822	5.882	ug/l #	17
43) Isopropyl Acetate	6.233	43	3043	1.060	ug/l #	61
59) 2-Hexanone	9.451	43	322	0.227	ug/l #	25
68) m/p-Xylenes	10.305	106	473	0.212	ug/l	98
76) 1,2,3-Trichloropropane	11.085	75	33531	24.249	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	33531	61.087	ug/l #	9
95) Naphthalene	13.780	128	206	Below Cal	#	69

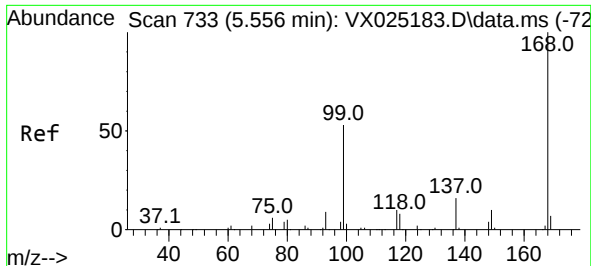
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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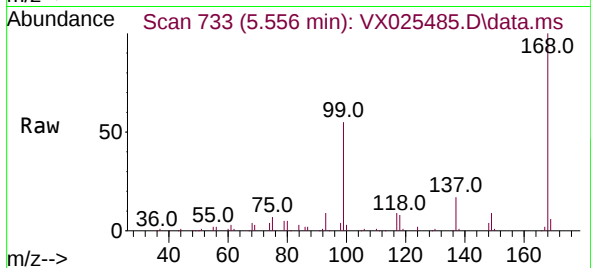
Quant Time: Dec 04 06:51:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 2021
Response via : Initial Calibration



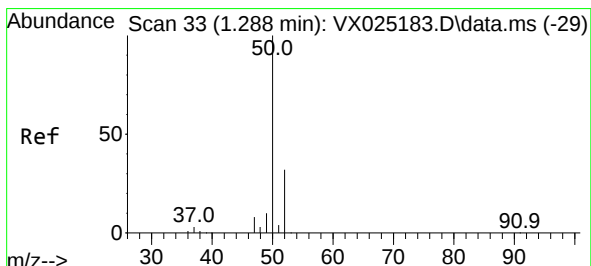
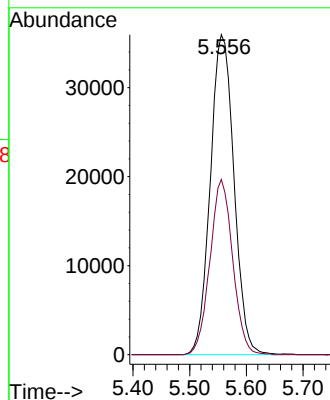
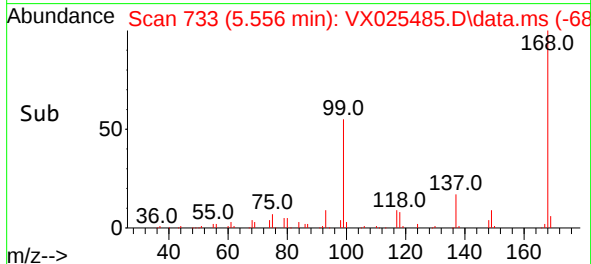


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025485.D
Acq: 03 Dec 2021 16:19

Instrument :
MSVOA_X
ClientSampleId :

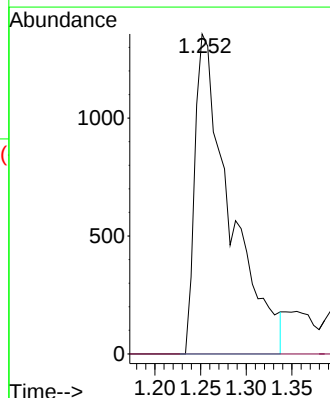
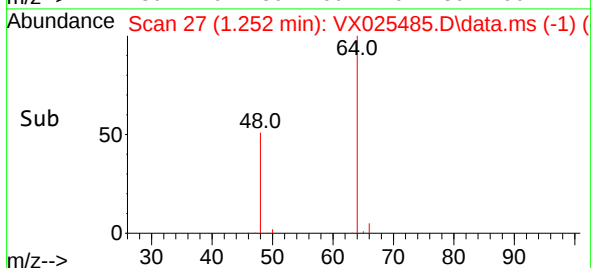
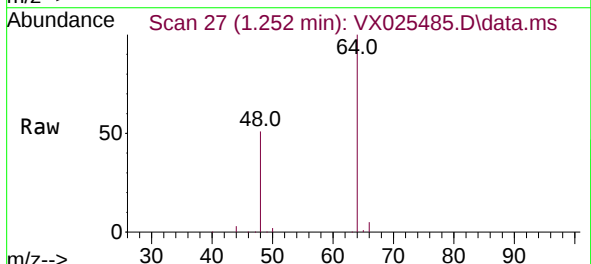


Tgt Ion:168 Resp: 104189
Ion Ratio Lower Upper
168 100
99 54.8 46.4 69.6



#3
Chloromethane
Concen: 3.247 ug/l
RT: 1.252 min Scan# 27
Delta R.T. -0.036 min
Lab File: VX025485.D
Acq: 03 Dec 2021 16:19

Tgt Ion: 50 Resp: 3631
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

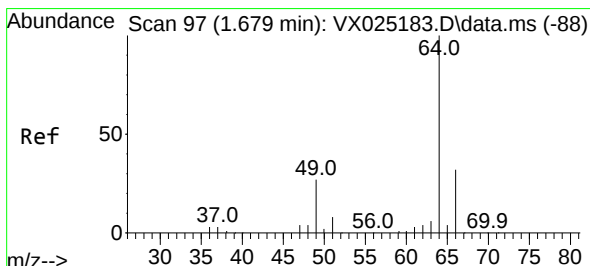
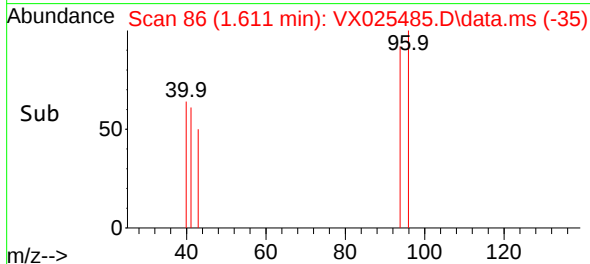
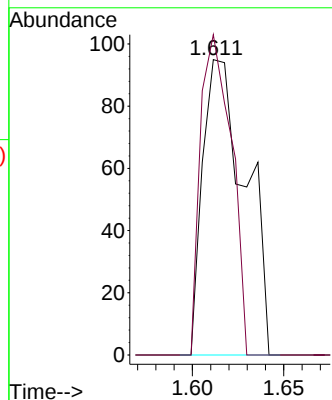
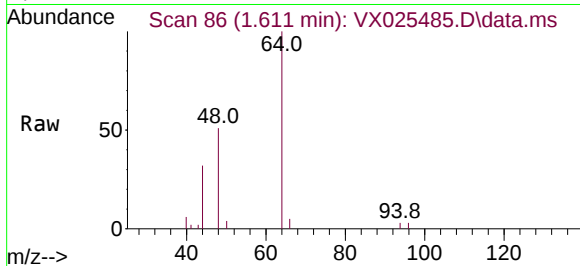




#5
Bromomethane
Concen: 0.292 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX025485.D
Acq: 03 Dec 2021 16:19

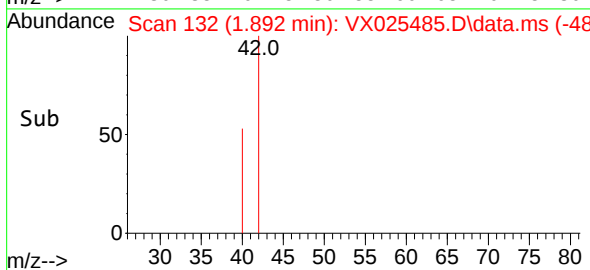
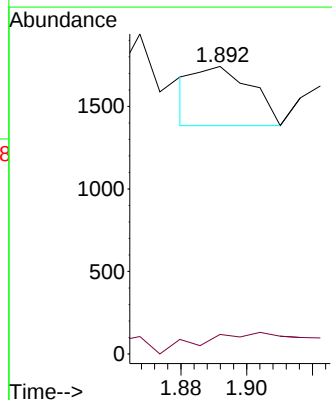
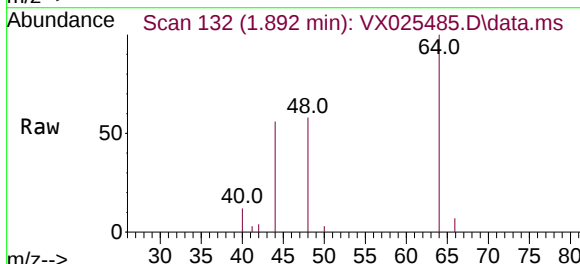
Instrument :
MSVOA_X
ClientSampleId :

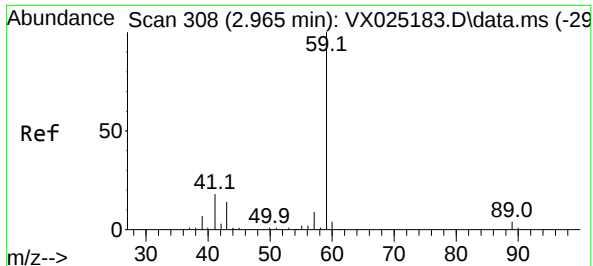
Tgt Ion: 94 Resp: 154
Ion Ratio Lower Upper
94 100
96 108.4 74.8 112.2



#6
Chloroethane
Concen: 0.504 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.213 min
Lab File: VX025485.D
Acq: 03 Dec 2021 16:19

Tgt Ion: 64 Resp: 427
Ion Ratio Lower Upper
64 100
66 8.4 25.6 38.4#

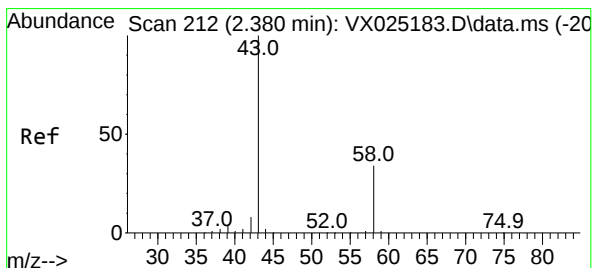
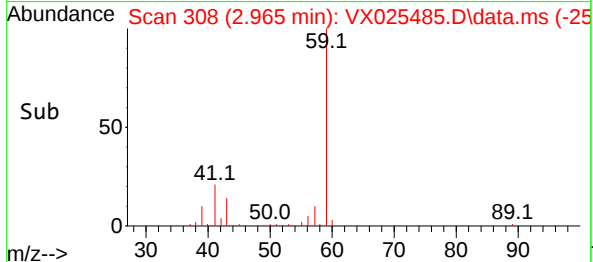
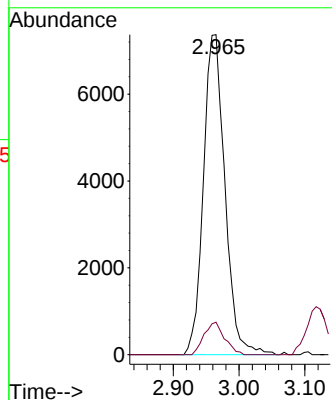
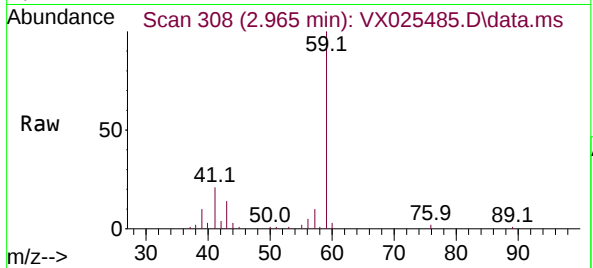




#11
Tert butyl alcohol
Concen: 54.806 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.000 min
Lab File: VX025485.D
Acq: 03 Dec 2021 16:19

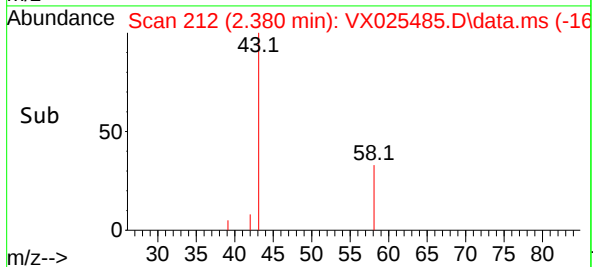
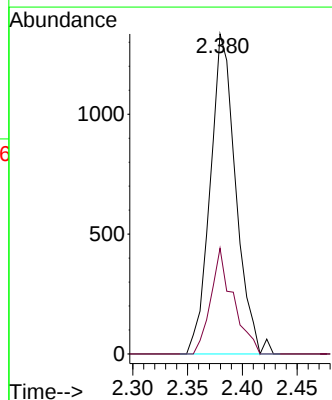
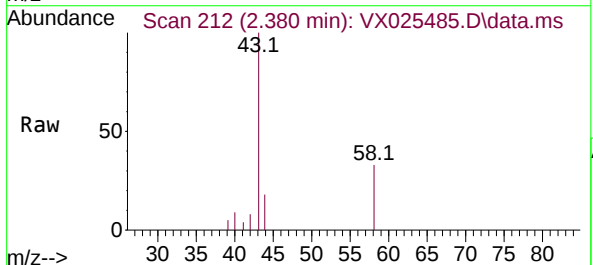
Instrument :
MSVOA_X
ClientSampleId :

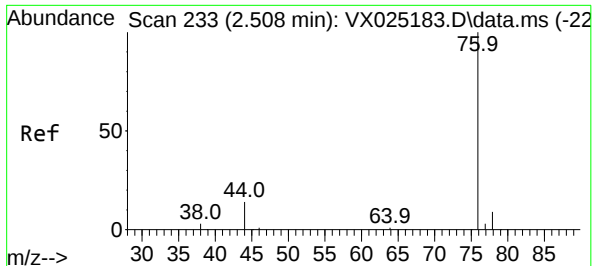
Tgt Ion: 59 Resp: 16785
Ion Ratio Lower Upper
59 100
57 9.7 8.5 12.7



#16
Acetone
Concen: 3.556 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025485.D
Acq: 03 Dec 2021 16:19

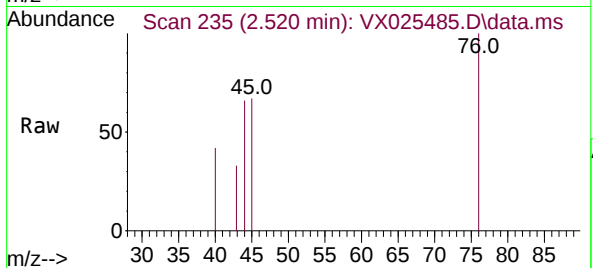
Tgt Ion: 43 Resp: 2170
Ion Ratio Lower Upper
43 100
58 33.0 24.0 36.0



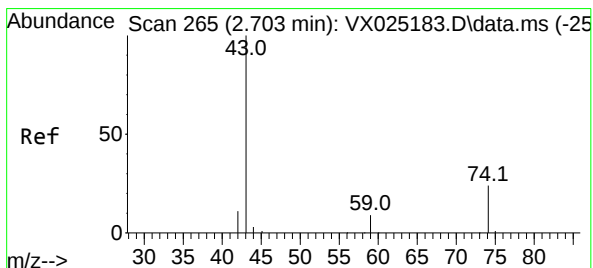
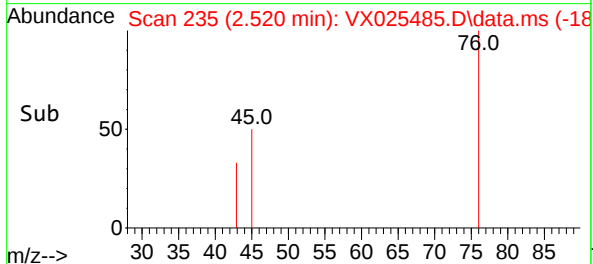
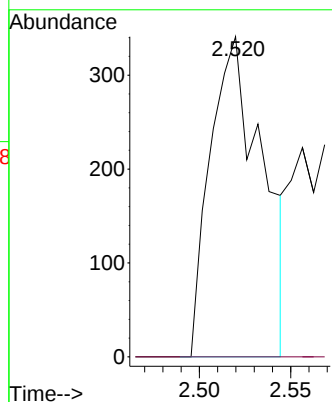


#17
Carbon Disulfide
Concen: 0.249 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX025485.D
Acq: 03 Dec 2021 16:19

Instrument :
MSVOA_X
ClientSampleId :

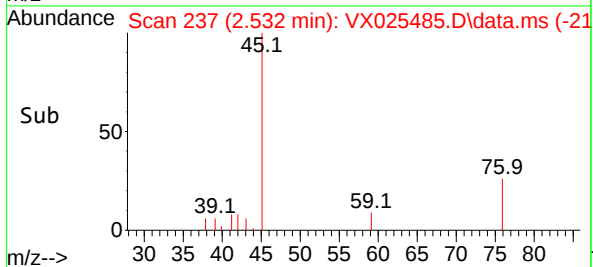
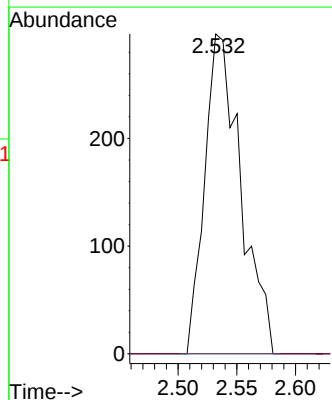
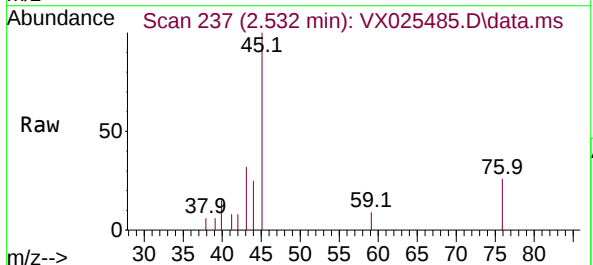


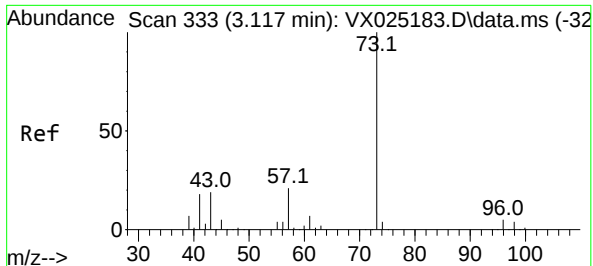
Tgt Ion: 76 Resp: 676
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#18
Methyl Acetate
Concen: 0.325 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.171 min
Lab File: VX025485.D
Acq: 03 Dec 2021 16:19

Tgt Ion: 43 Resp: 634
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#





#19

Methyl tert-butyl Ether

Concen: 3.681 ug/l

RT: 3.123 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX025485.D

Acq: 03 Dec 2021 16:19

Instrument :

MSVOA_X

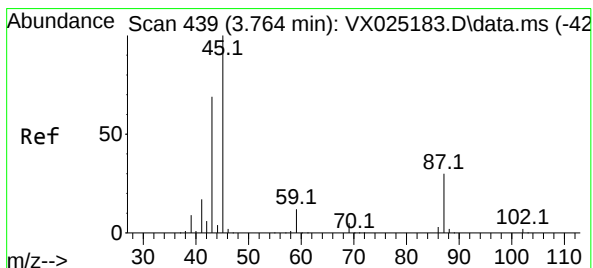
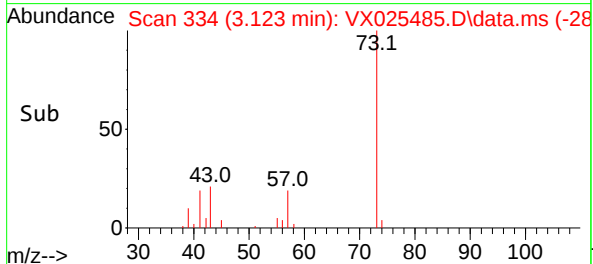
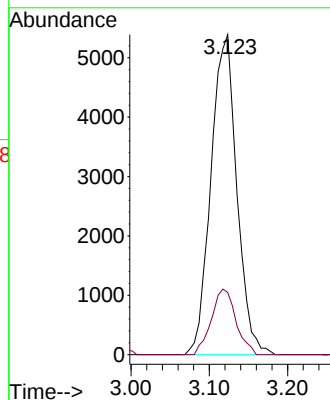
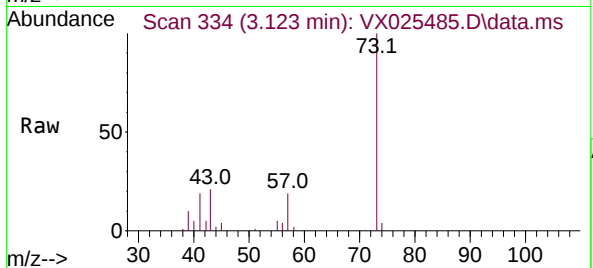
ClientSampleId :

Tgt Ion: 73 Resp: 12387

Ion Ratio Lower Upper

73 100

57 19.4 17.5 26.3



#22

Diisopropyl ether

Concen: 0.674 ug/l

RT: 3.764 min Scan# 439

Delta R.T. -0.000 min

Lab File: VX025485.D

Acq: 03 Dec 2021 16:19

Tgt Ion: 45 Resp: 2243

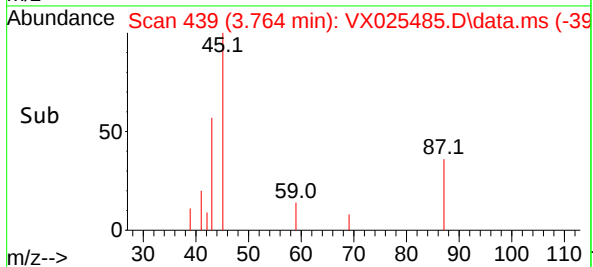
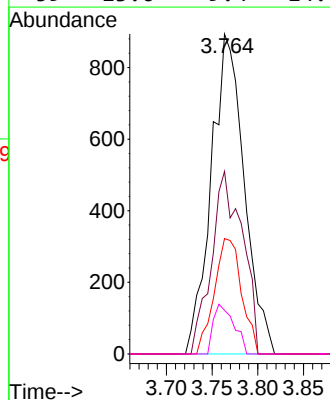
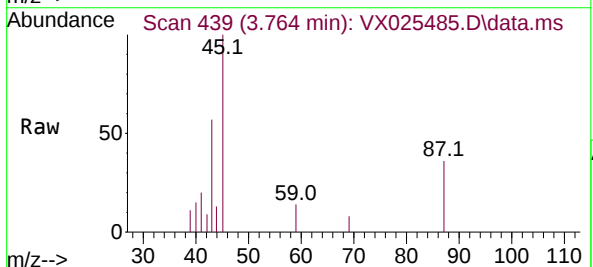
Ion Ratio Lower Upper

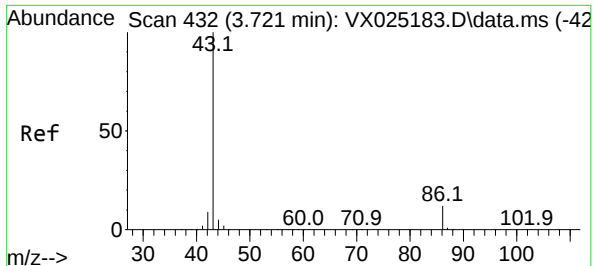
45 100

43 57.0 58.3 87.5#

87 36.0 23.7 35.5#

59 13.6 9.4 14.0

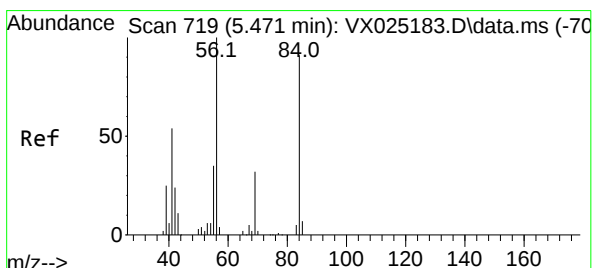
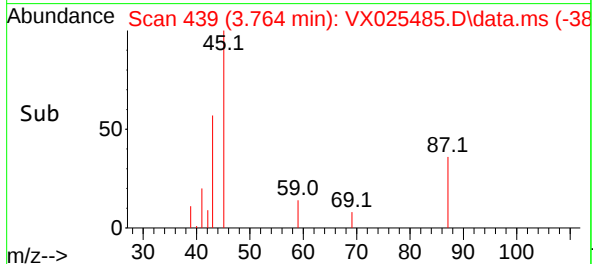
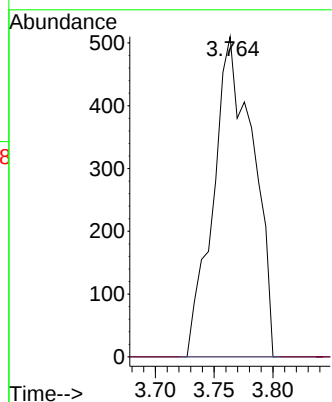
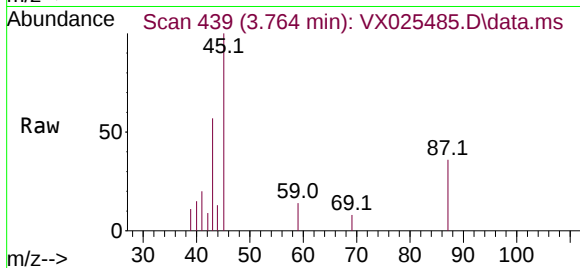




#23
 Vinyl Acetate
 Concen: 0.450 ug/l
 RT: 3.764 min Scan# 41
 Delta R.T. 0.042 min
 Lab File: VX025485.D
 Acq: 03 Dec 2021 16:19

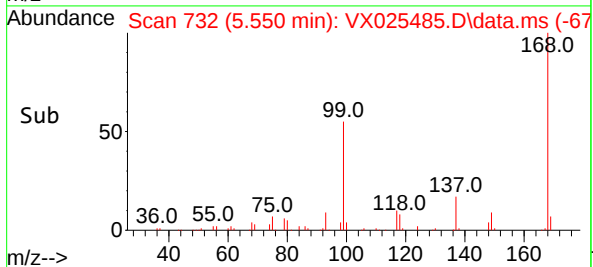
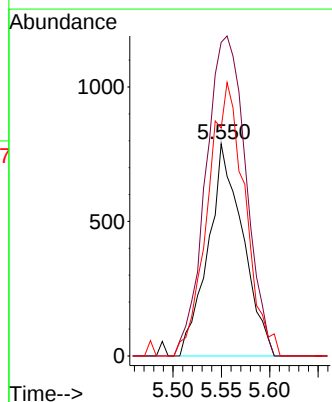
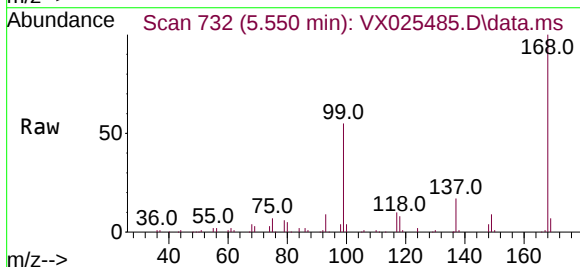
Instrument :
 MSVOA_X
 ClientSampleId :

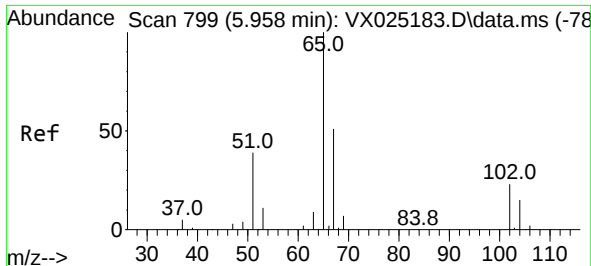
Tgt Ion: 43 Resp: 1203
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#31
 Cyclohexane
 Concen: 1.155 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. 0.079 min
 Lab File: VX025485.D
 Acq: 03 Dec 2021 16:19

Tgt Ion: 56 Resp: 1961
 Ion Ratio Lower Upper
 56 100
 69 147.8 24.2 36.2#
 84 107.4 71.5 107.3#





#33

1,2-Dichloroethane-d4

Concen: 56.603 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025485.D

Acq: 03 Dec 2021 16:19

Instrument :

MSVOA_X

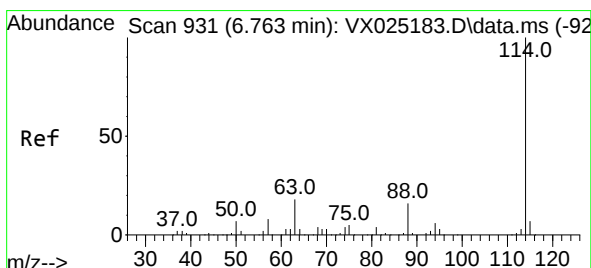
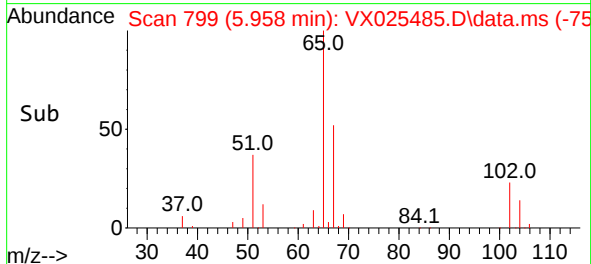
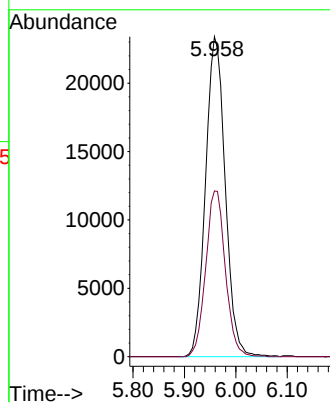
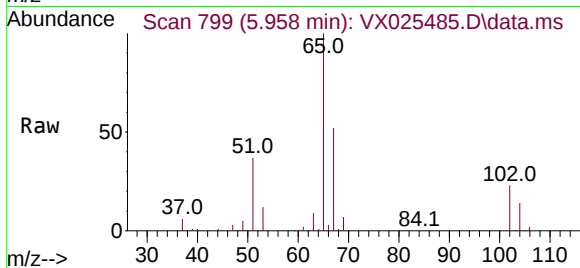
ClientSampleId :

Tgt Ion: 65 Resp: 62163

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX025485.D

Acq: 03 Dec 2021 16:19

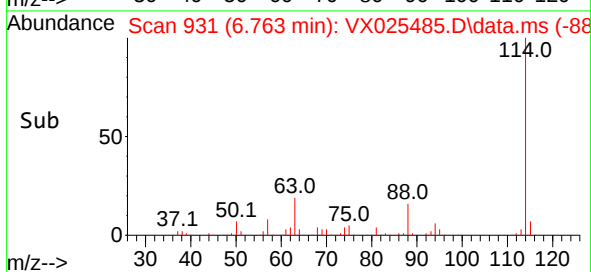
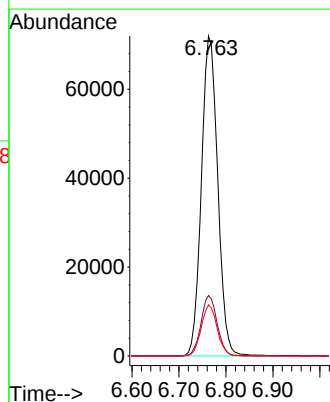
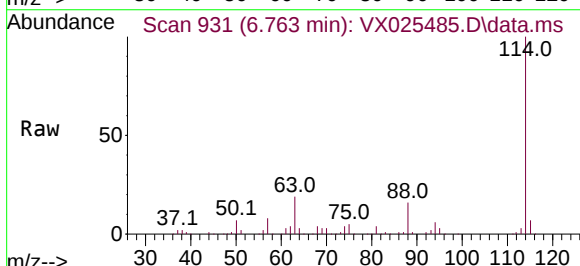
Tgt Ion: 114 Resp: 173775

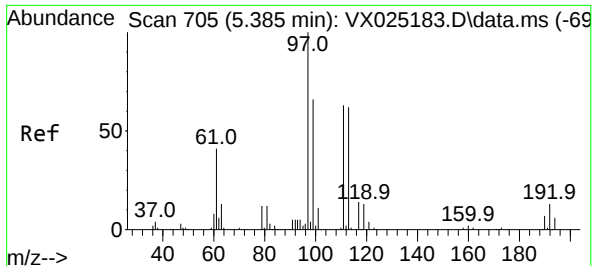
Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.0

88 16.0 0.0 34.8





#35

Dibromofluoromethane

Concen: 50.062 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

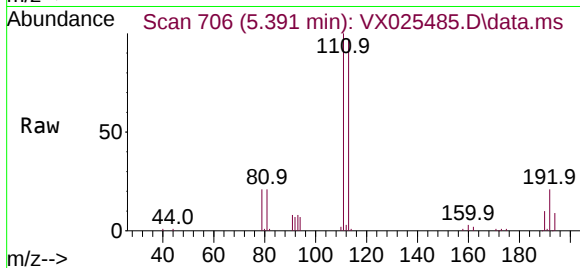
Lab File: VX025485.D

Acq: 03 Dec 2021 16:19

Instrument :

MSVOA_X

ClientSampleId :



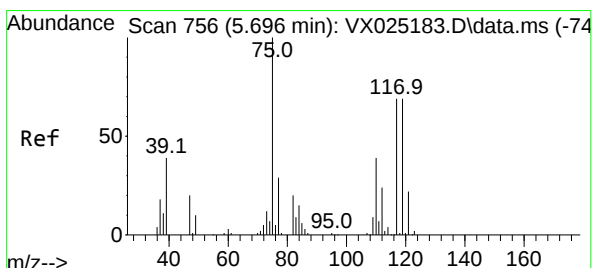
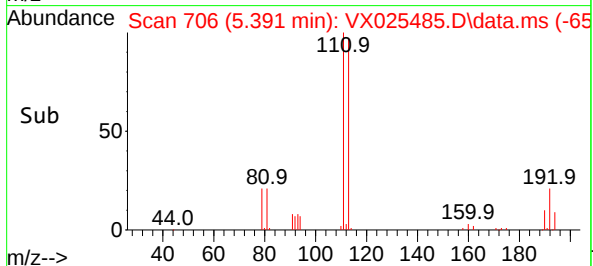
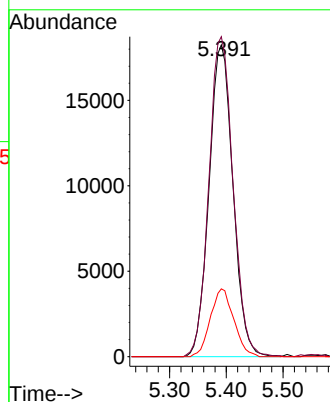
Tgt Ion:113 Resp: 53377

Ion Ratio Lower Upper

113 100

111 103.8 82.1 123.1

192 21.3 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.579 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX025485.D

Acq: 03 Dec 2021 16:19

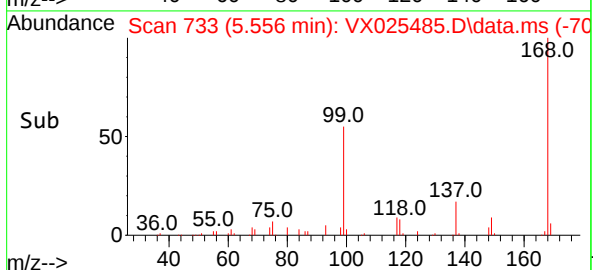
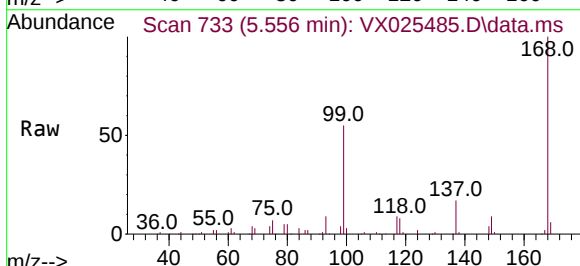
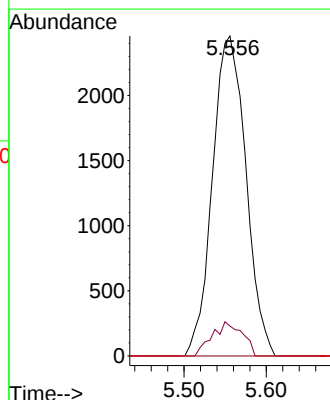
Tgt Ion: 75 Resp: 6943

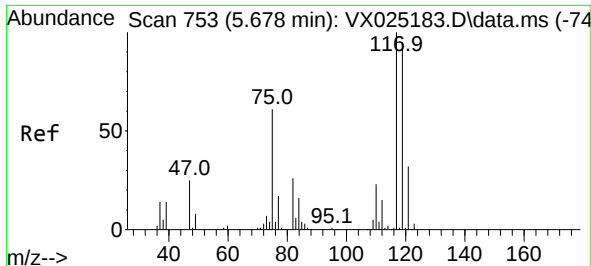
Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.3#

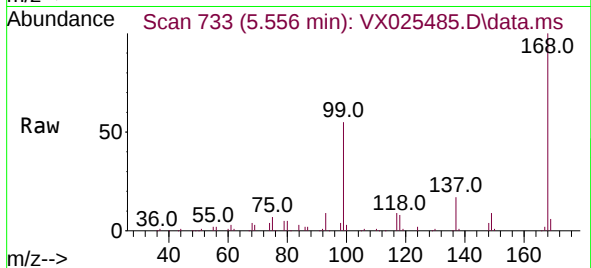
77 0.0 24.4 36.6#



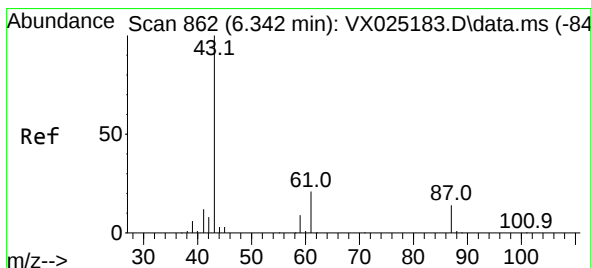
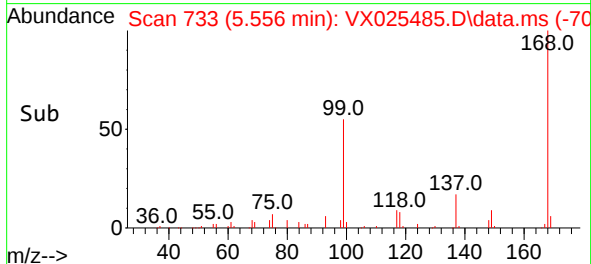
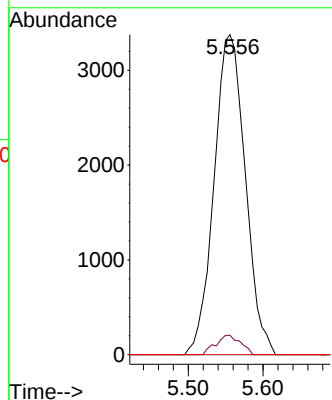


#38
Carbon Tetrachloride
Concen: 5.882 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX025485.D
Acq: 03 Dec 2021 16:19

Instrument :
MSVOA_X
ClientSampleId :

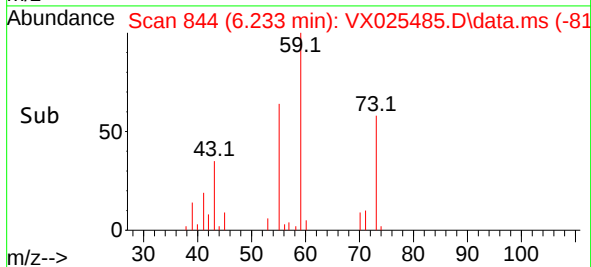
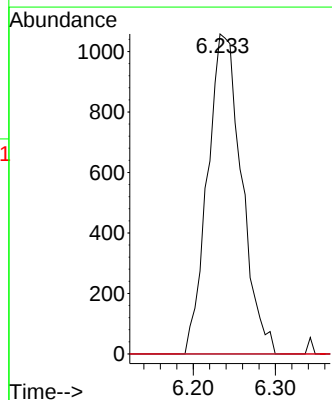
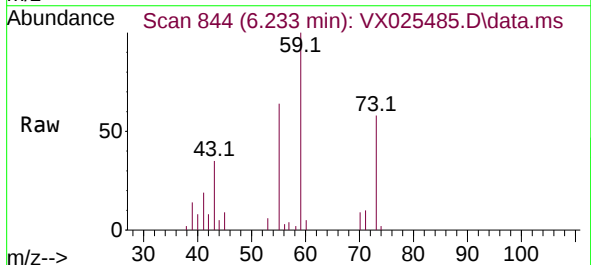


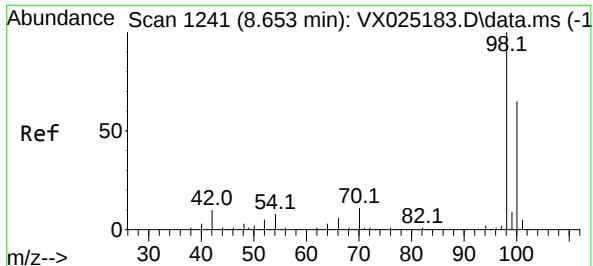
Tgt Ion:117 Resp: 9822
Ion Ratio Lower Upper
117 100
119 6.0 75.6 113.4#
121 0.0 23.7 35.5#



#43
Isopropyl Acetate
Concen: 1.060 ug/l
RT: 6.233 min Scan# 844
Delta R.T. -0.109 min
Lab File: VX025485.D
Acq: 03 Dec 2021 16:19

Tgt Ion: 43 Resp: 3043
Ion Ratio Lower Upper
43 100
61 0.0 15.3 22.9#
87 0.0 10.9 16.3#





#50

Toluene-d8

Concen: 50.151 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX025485.D

Acq: 03 Dec 2021 16:19

Instrument :

MSVOA_X

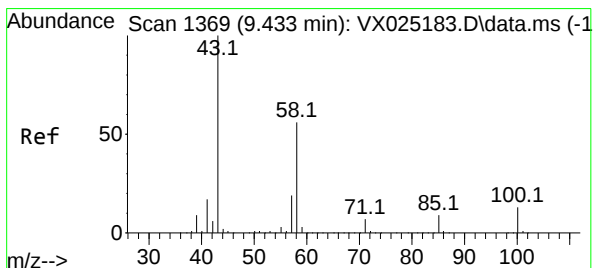
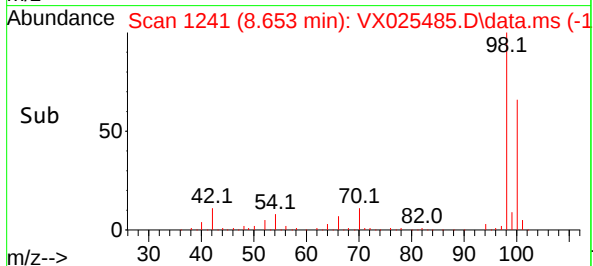
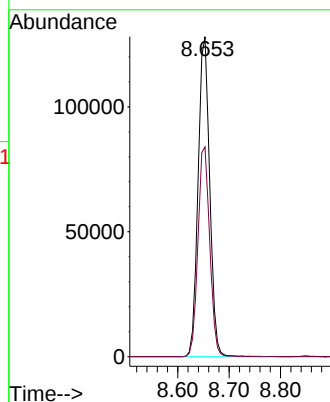
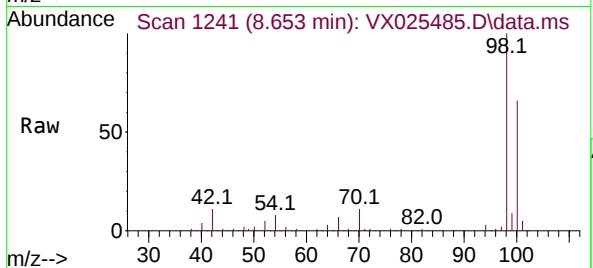
ClientSampleId :

Tgt Ion: 98 Resp: 201047

Ion Ratio Lower Upper

98 100

100 66.5 51.4 77.0



#59

2-Hexanone

Concen: 0.227 ug/l

RT: 9.451 min Scan# 1372

Delta R.T. 0.018 min

Lab File: VX025485.D

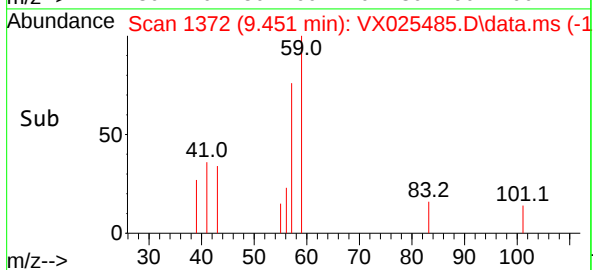
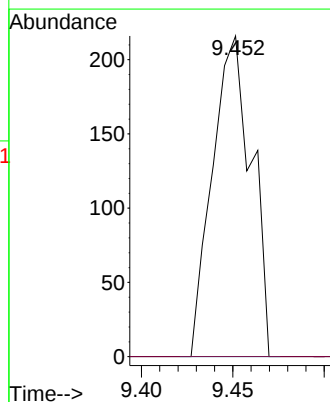
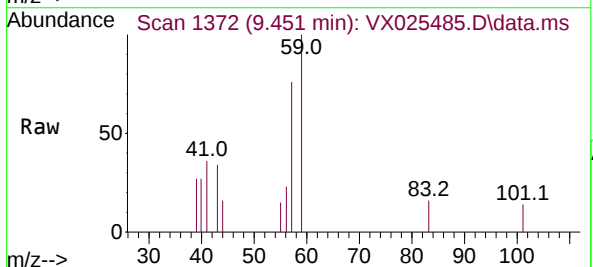
Acq: 03 Dec 2021 16:19

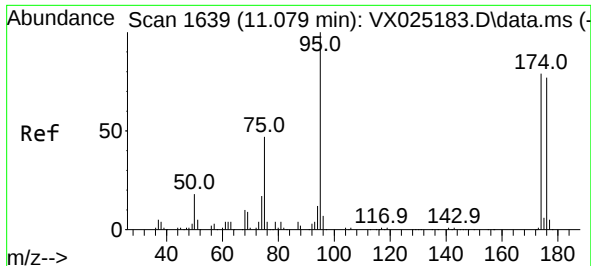
Tgt Ion: 43 Resp: 322

Ion Ratio Lower Upper

43 100

58 0.0 26.6 79.7#

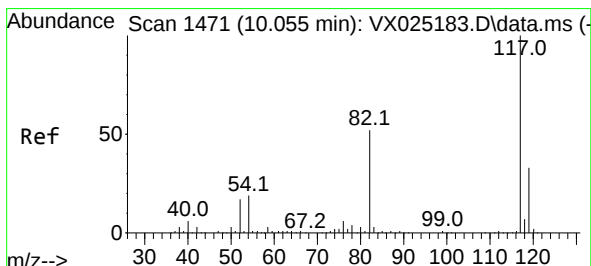
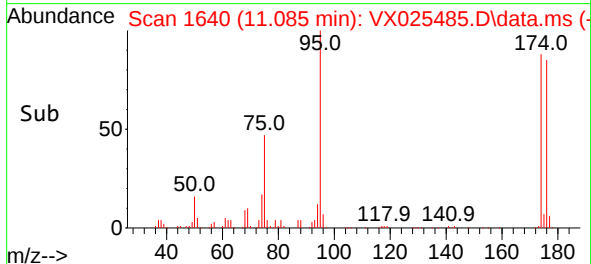
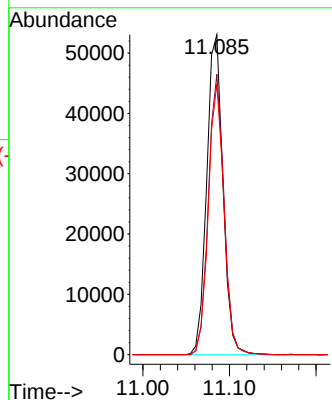
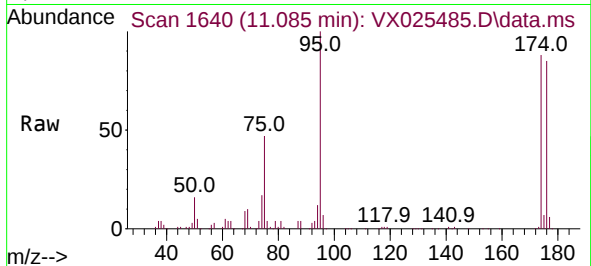




#62
4-Bromofluorobenzene
Concen: 45.521 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX025485.D
Acq: 03 Dec 2021 16:19

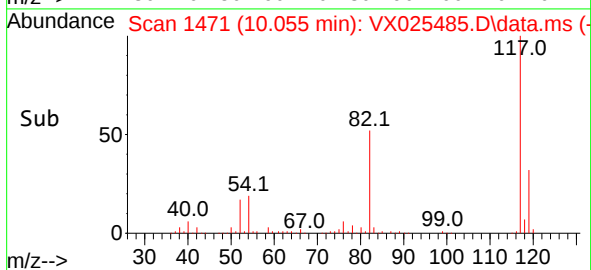
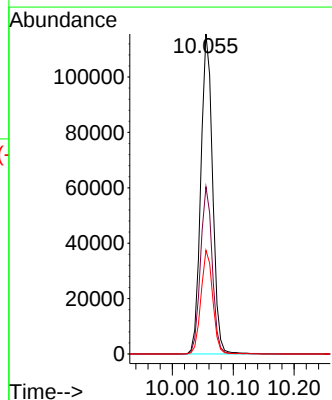
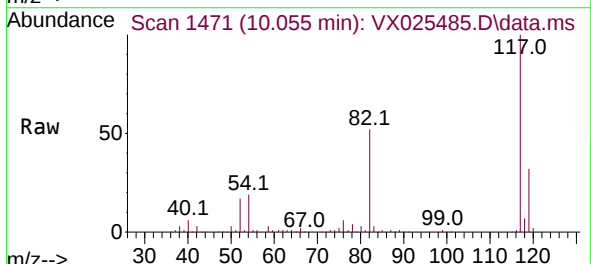
Instrument :
MSVOA_X
ClientSampleId :

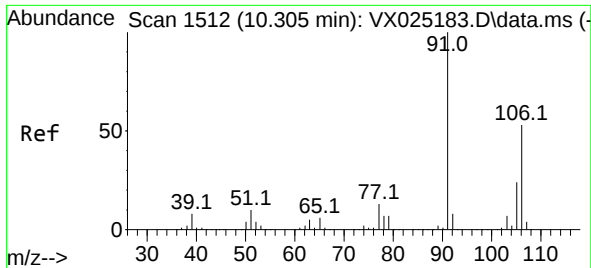
Tgt Ion: 95 Resp: 69037
Ion Ratio Lower Upper
95 100
174 85.0 0.0 158.0
176 81.8 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025485.D
Acq: 03 Dec 2021 16:19

Tgt Ion: 117 Resp: 155033
Ion Ratio Lower Upper
117 100
82 52.3 44.6 67.0
119 32.4 24.8 37.2

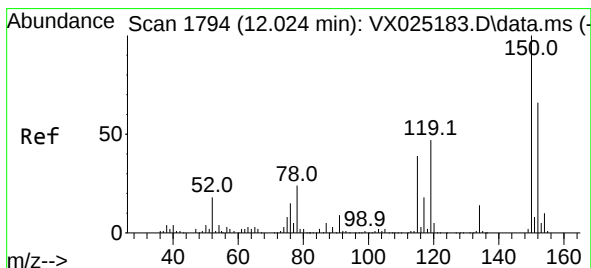
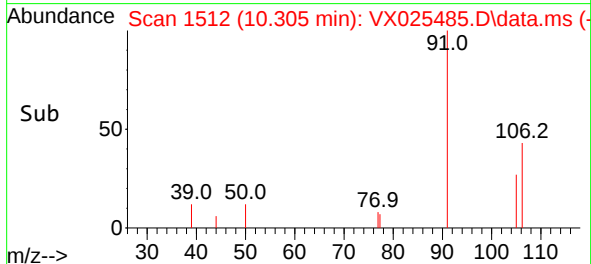
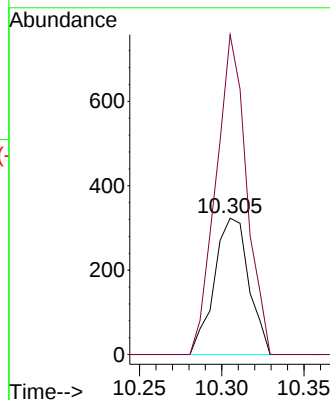
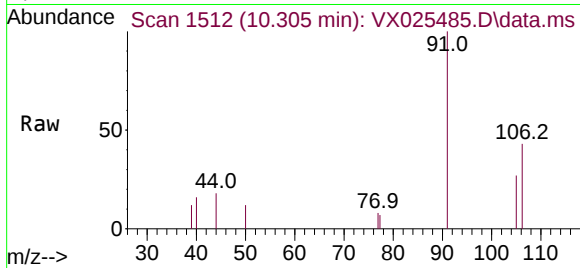




#68
m/p-Xylenes
Concen: 0.212 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025485.D
Acq: 03 Dec 2021 16:19

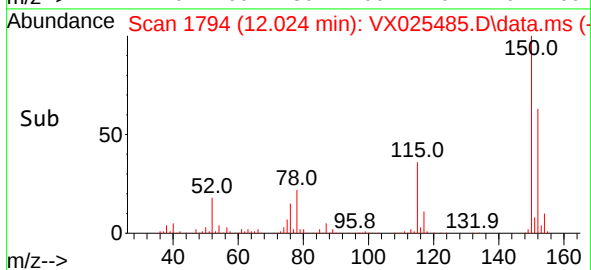
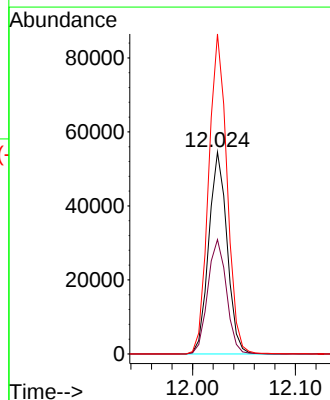
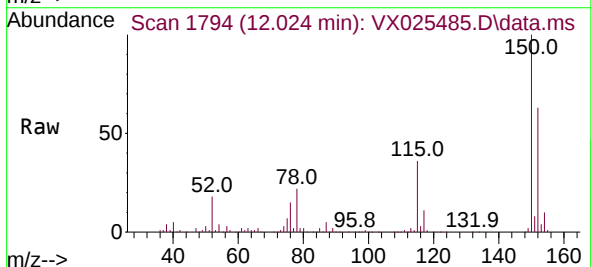
Instrument :
MSVOA_X
ClientSampleId :

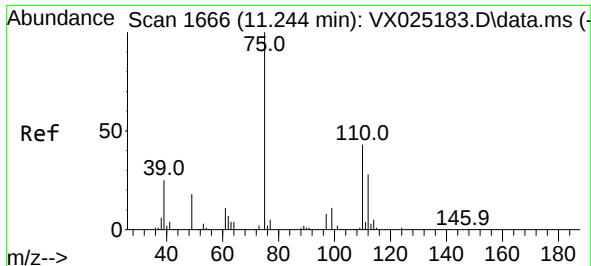
Tgt Ion:106 Resp: 473
Ion Ratio Lower Upper
106 100
91 207.8 163.4 245.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025485.D
Acq: 03 Dec 2021 16:19

Tgt Ion:152 Resp: 67526
Ion Ratio Lower Upper
152 100
115 57.8 43.3 129.8
150 159.1 0.0 351.2

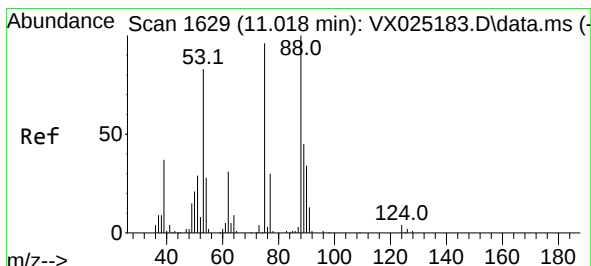
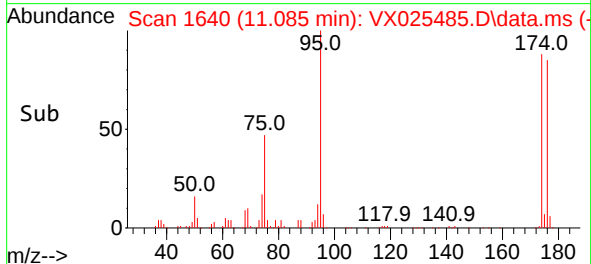
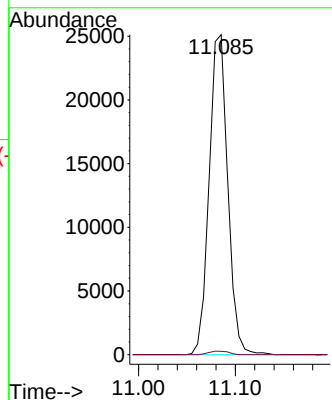
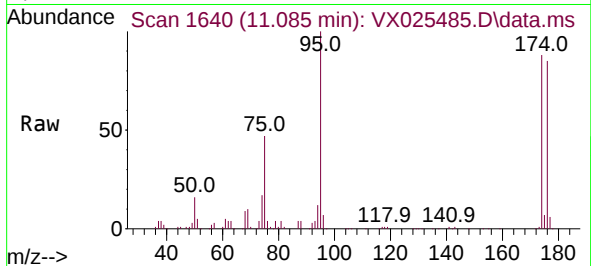




#76
1,2,3-Trichloropropane
Concen: 24.249 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025485.D
Acq: 03 Dec 2021 16:19

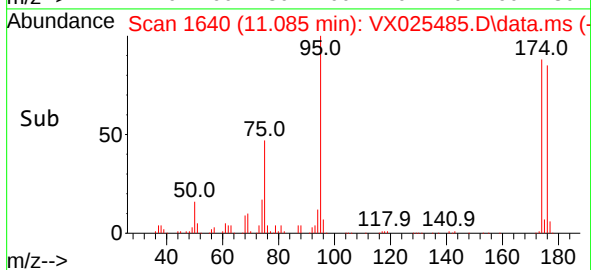
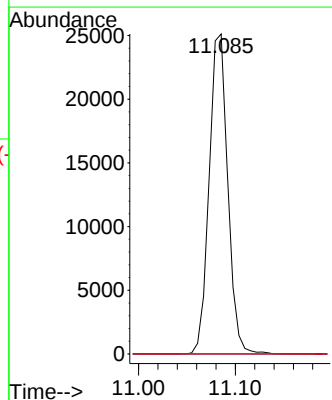
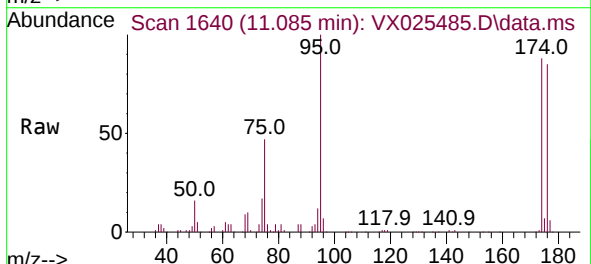
Instrument :
MSVOA_X
ClientSampleId :

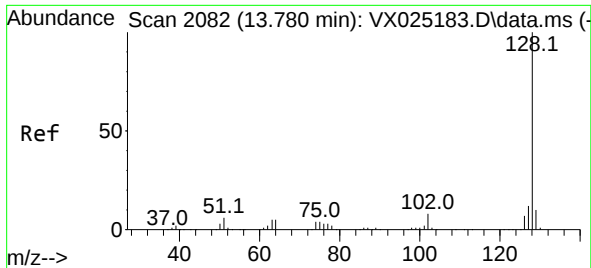
Tgt Ion: 75 Resp: 33531
Ion Ratio Lower Upper
75 100
77 1.2 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.087 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025485.D
Acq: 03 Dec 2021 16:19

Tgt Ion: 75 Resp: 33531
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#





#95

Naphthalene

Concen: Below Cal

RT: 13.780 min Scan# 20

Delta R.T. -0.000 min

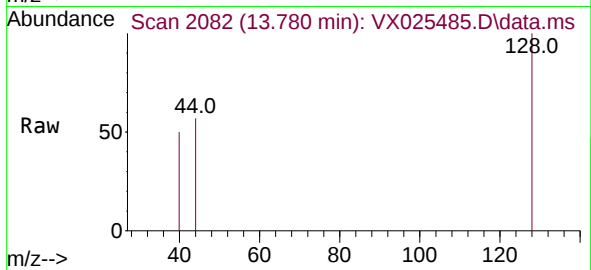
Lab File: VX025485.D

Acq: 03 Dec 2021 16:19

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 206

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#

