

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045496.D
 Acq On : 27 Mar 2025 22:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 28 01:39:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

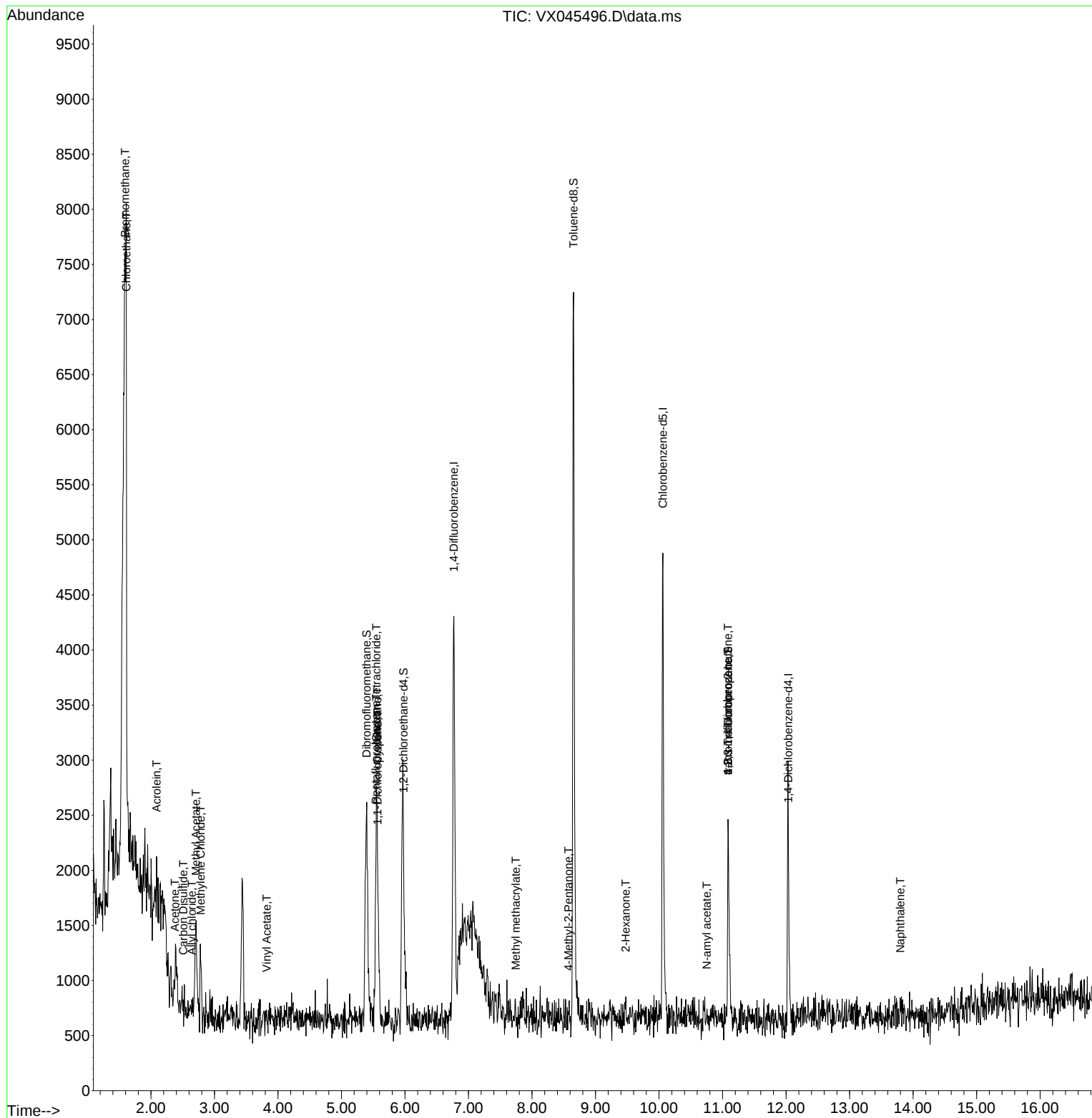
Internal Standards						
1) Pentafluorobenzene	5.544	168	2345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	4535	50.000	ug/l	0.01
63) Chlorobenzene-d5	10.061	117	2448	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.036	152	658	50.000	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.976	65	2506	67.184	ug/l	0.02
Spiked Amount	50.000	Range 74 - 125	Recovery	=	134.360%#	
35) Dibromofluoromethane	5.397	113	1910	62.986	ug/l	0.01
Spiked Amount	50.000	Range 75 - 124	Recovery	=	125.980%#	
50) Toluene-d8	8.653	98	4659	42.379	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	84.760%#	
62) 4-Bromofluorobenzene	11.085	95	948	26.023	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	52.040%#	
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	102	7.241	ug/l #	3
6) Chloroethane	1.611	64	20	1.210	ug/l #	41
13) Acrolein	2.087	56	20	2.449	ug/l #	15
14) Allyl chloride	2.642	41	19	0.370	ug/l #	54
16) Acetone	2.379	43	760	43.914	ug/l #	44
17) Carbon Disulfide	2.508	76	42	0.547	ug/l #	77
18) Methyl Acetate	2.709	43	1300	31.225	ug/l #	91
20) Methylene Chloride	2.782	84	272	7.934	ug/l #	78
23) Vinyl Acetate	3.824	43	31	0.356	ug/l #	73
31) Cyclohexane	5.562	56	22	0.434	ug/l #	16
36) 1,1-Dichloropropene	5.568	75	163	3.920	ug/l #	42
38) Carbon Tetrachloride	5.550	117	137	3.245	ug/l #	12
48) Methyl methacrylate	7.744	41	20	0.503	ug/l #	1
51) 4-Methyl-2-Pentanone	8.573	43	24	0.451	ug/l #	38
59) 2-Hexanone	9.476	43	103	2.672	ug/l #	26
74) N-amyl acetate	10.750	43	38	1.577	ug/l #	45
76) 1,2,3-Trichloropropane	11.085	75	512	33.431	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.085	75	512	114.408	ug/l #	6
95) Naphthalene	13.798	128	204	4.300	ug/l #	69

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

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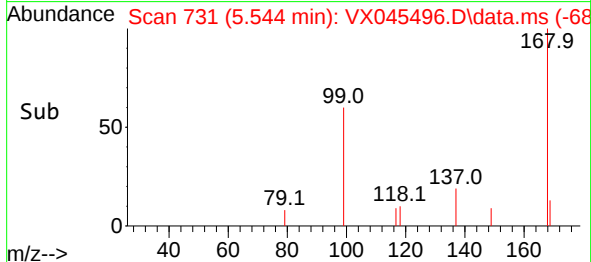
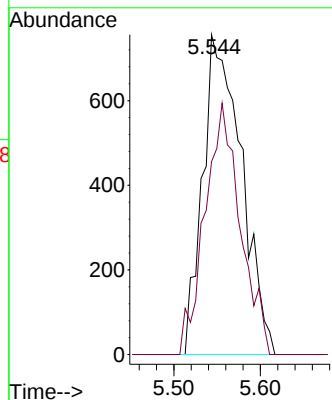
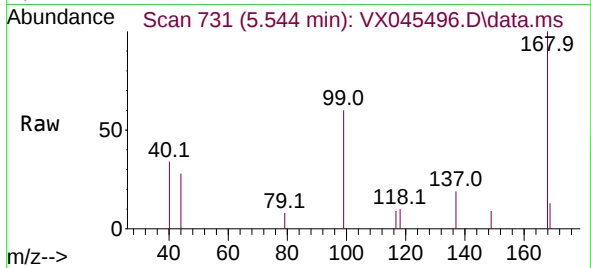




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

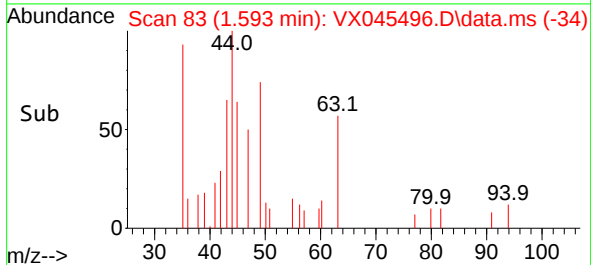
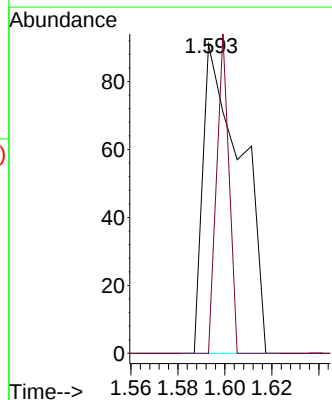
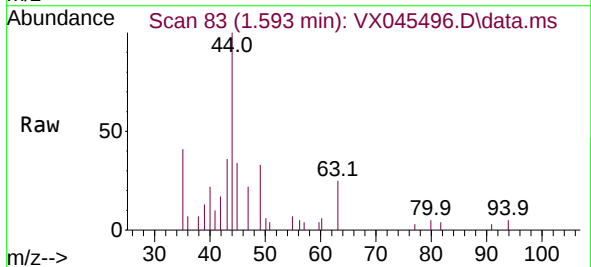
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

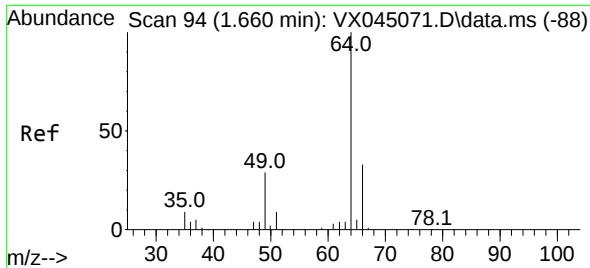
Tgt Ion:168 Resp: 2345
Ion Ratio Lower Upper
168 100
99 60.3 48.2 72.4



#5
Bromomethane
Concen: 7.241 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

Tgt Ion: 94 Resp: 102
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#

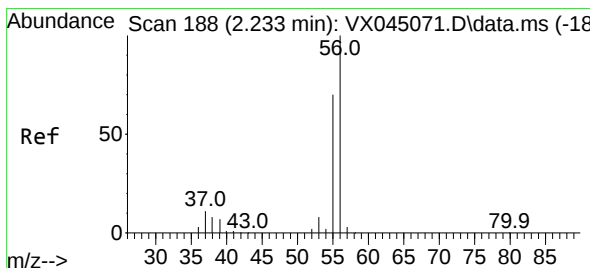
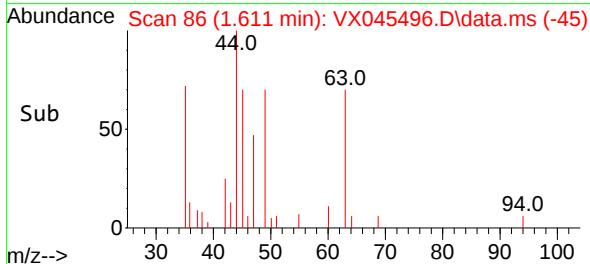
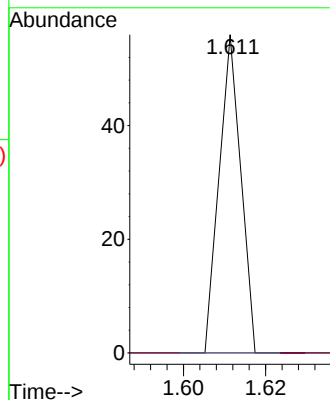
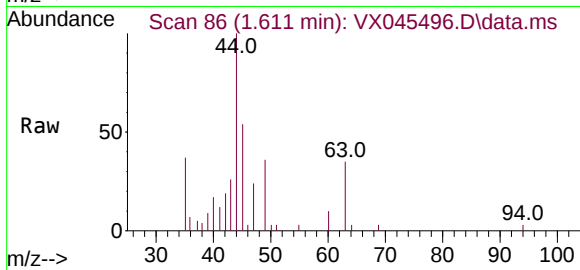




#6
Chloroethane
Concen: 1.210 ug/l
RT: 1.611 min Scan# 80
Delta R.T. -0.049 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

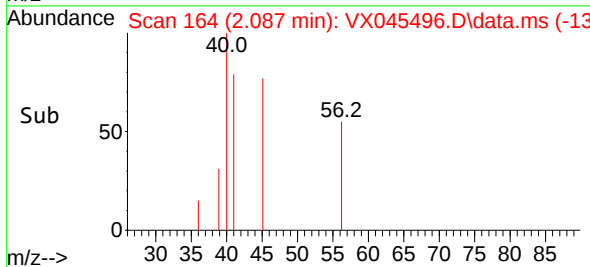
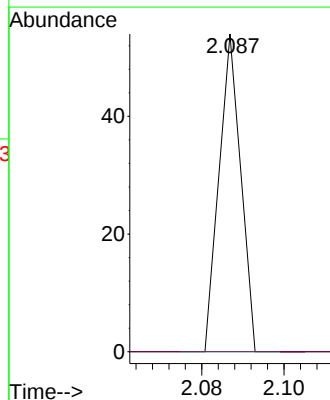
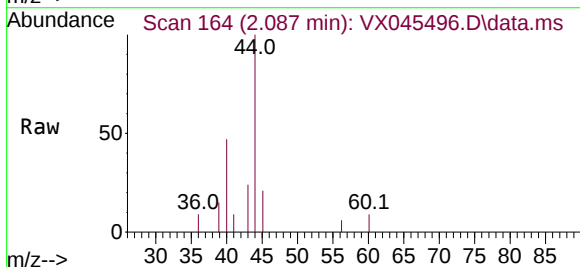
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

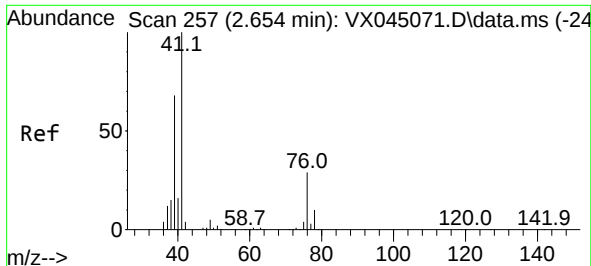
Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



#13
Acrolein
Concen: 2.449 ug/l
RT: 2.087 min Scan# 164
Delta R.T. -0.147 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#

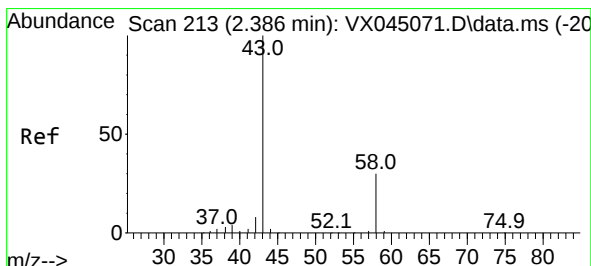
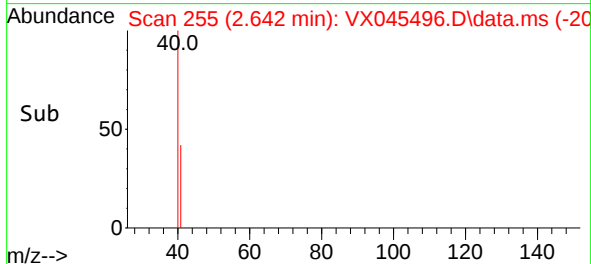
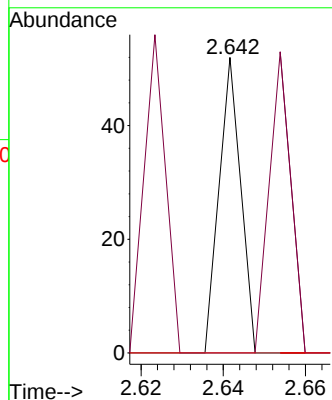
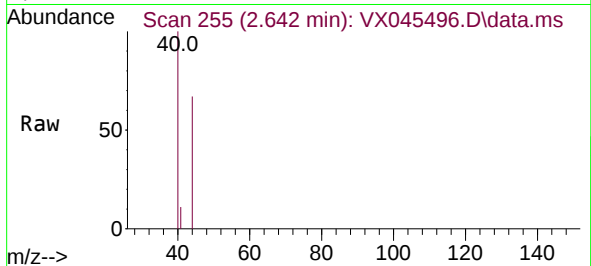




#14
 Allyl chloride
 Concen: 0.370 ug/l
 RT: 2.642 min Scan# 212
 Delta R.T. -0.012 min
 Lab File: VX045496.D
 Acq: 27 Mar 2025 22:32

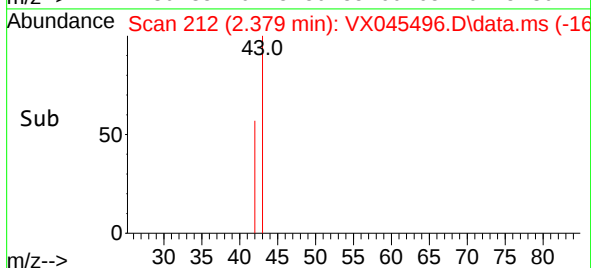
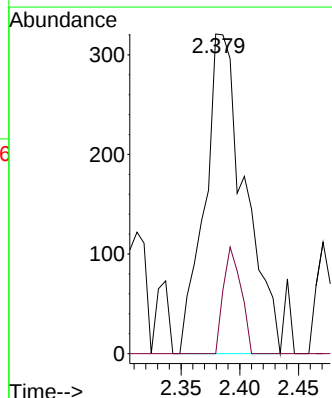
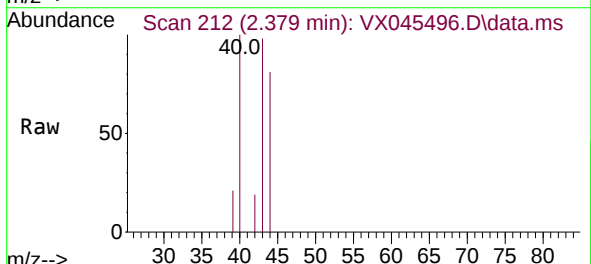
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

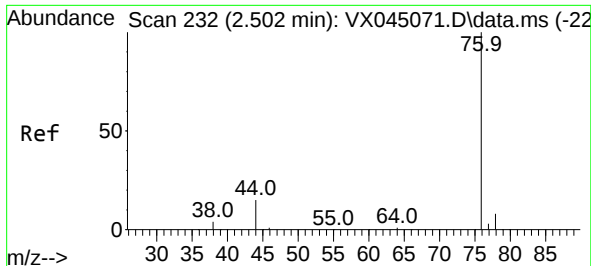
Tgt Ion: 41 Resp: 19
 Ion Ratio Lower Upper
 41 100
 39 100.0 53.8 80.8#
 76 0.0 25.2 37.8#



#16
 Acetone
 Concen: 43.914 ug/l
 RT: 2.379 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX045496.D
 Acq: 27 Mar 2025 22:32

Tgt Ion: 43 Resp: 760
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.2 36.4#

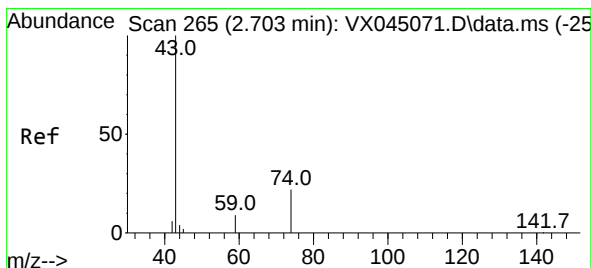
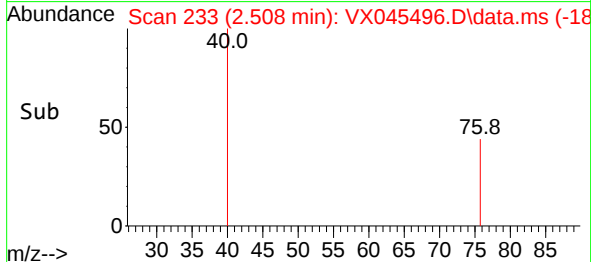
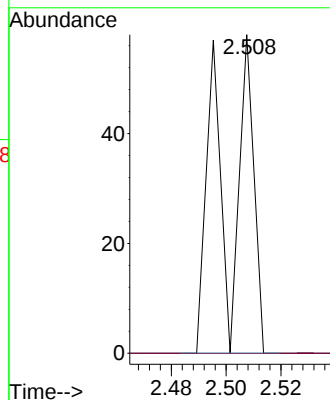
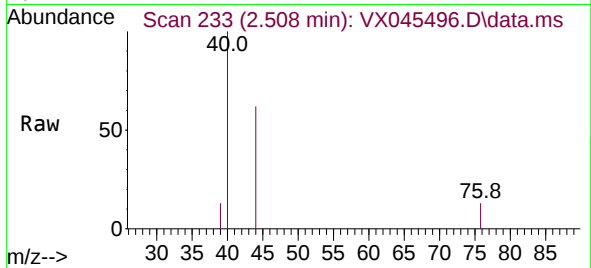




#17
Carbon Disulfide
Concen: 0.547 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

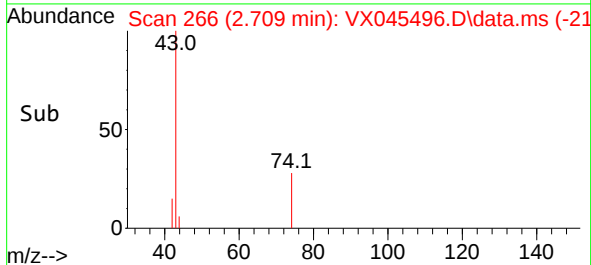
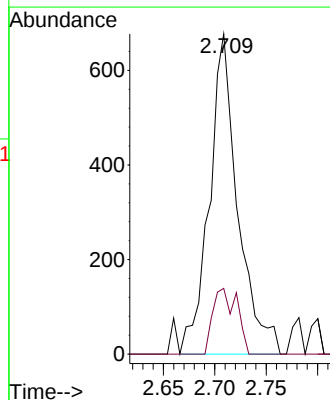
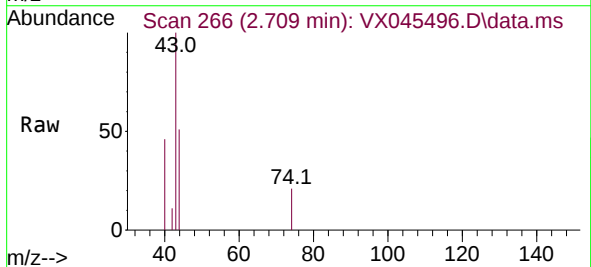
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

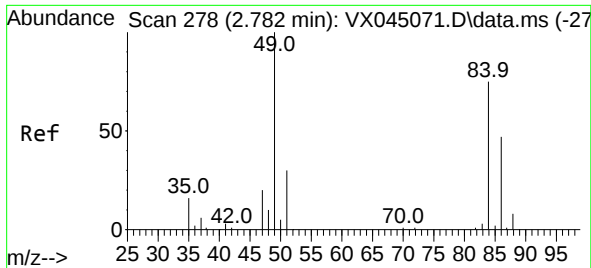
Tgt Ion: 76 Resp: 42
Ion Ratio Lower Upper
76 100
78 0.0 6.6 9.8#



#18
Methyl Acetate
Concen: 31.225 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

Tgt Ion: 43 Resp: 1300
Ion Ratio Lower Upper
43 100
74 17.3 17.4 26.2#

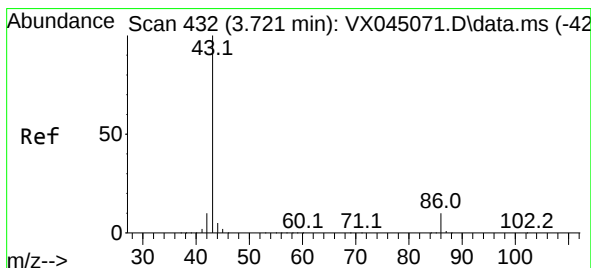
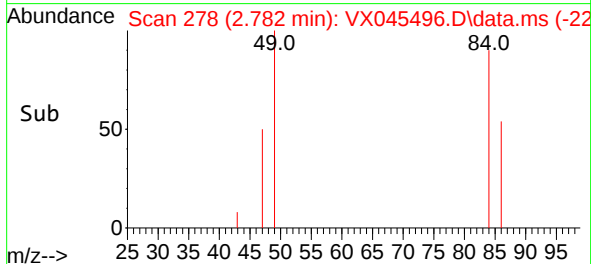
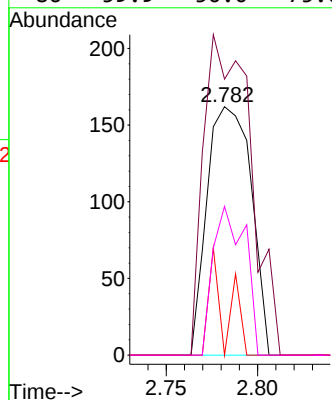
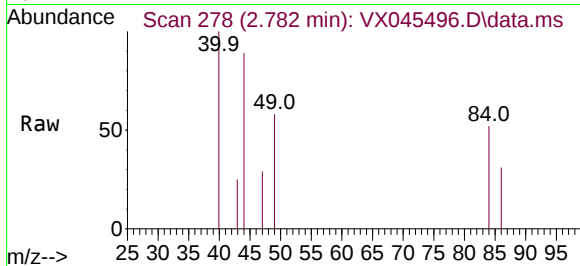




#20
Methylene Chloride
Concen: 7.934 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

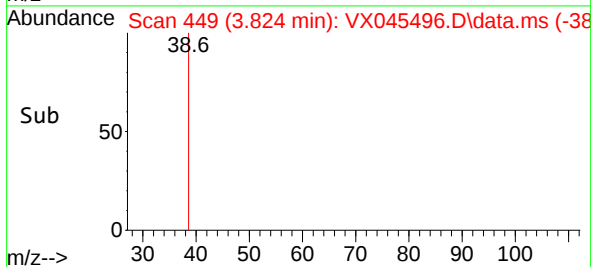
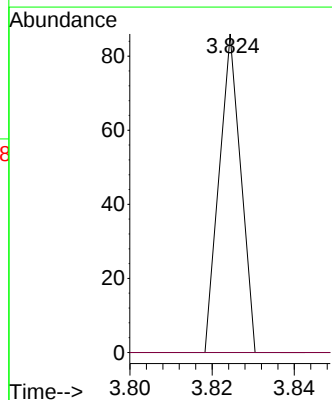
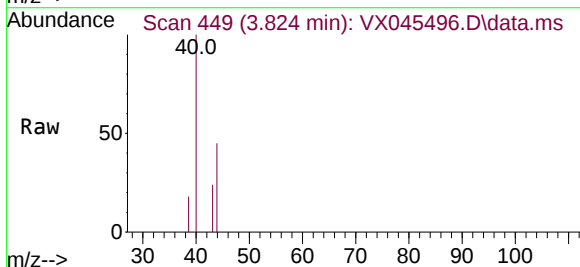
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

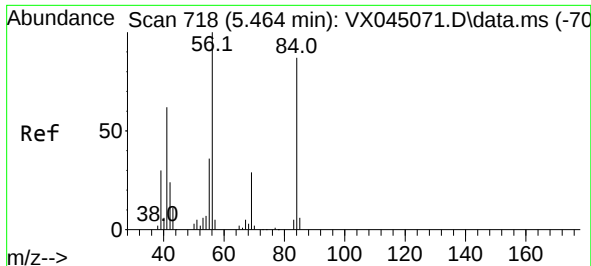
Tgt Ion:	84	Resp:	272
Ion	Ratio	Lower	Upper
84	100		
49	111.1	106.5	159.7
51	0.0	32.1	48.1#
86	59.9	50.0	75.0



#23
Vinyl Acetate
Concen: 0.356 ug/l
RT: 3.824 min Scan# 449
Delta R.T. 0.103 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

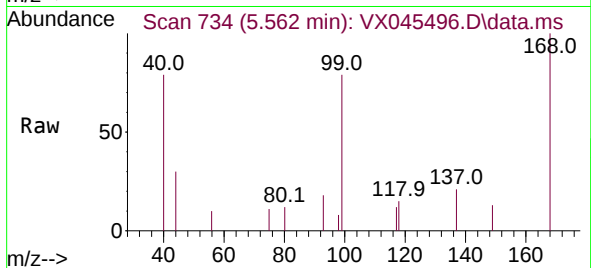
Tgt Ion:	43	Resp:	31
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.1	12.1#



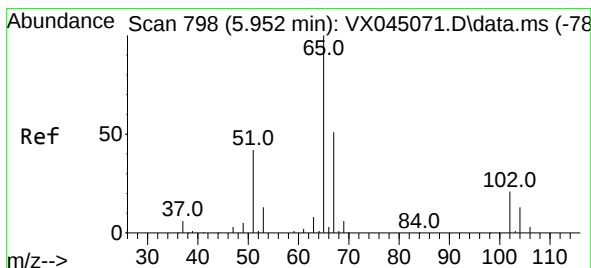
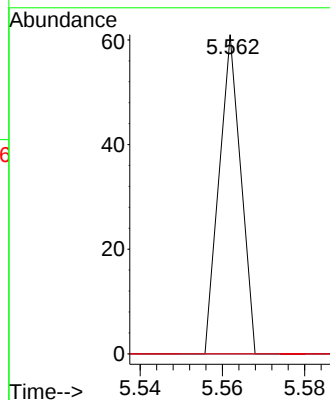
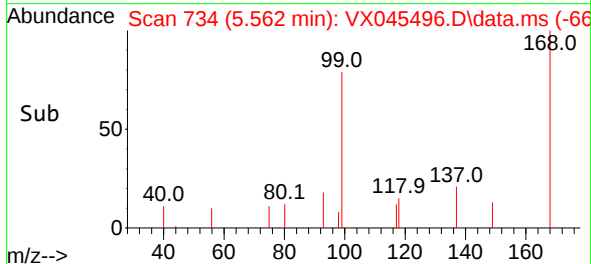


#31
Cyclohexane
Concen: 0.434 ug/l
RT: 5.562 min Scan# 718
Delta R.T. 0.097 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

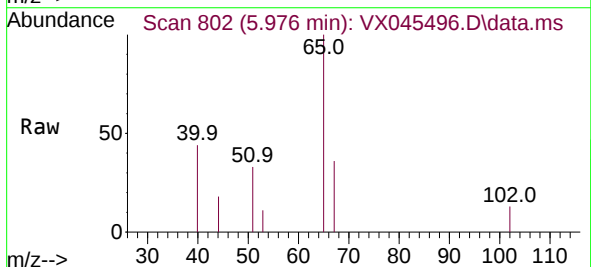
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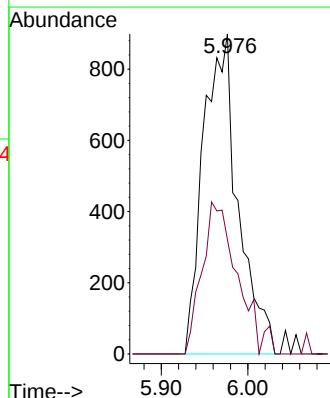
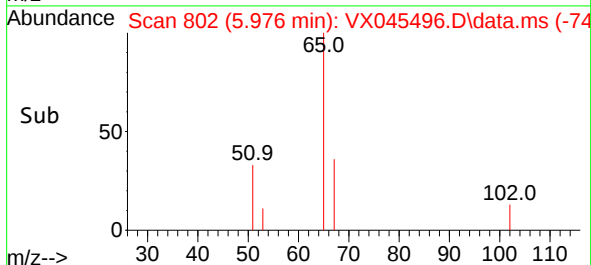
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
69 0.0 23.4 35.2#
84 0.0 69.4 104.2#

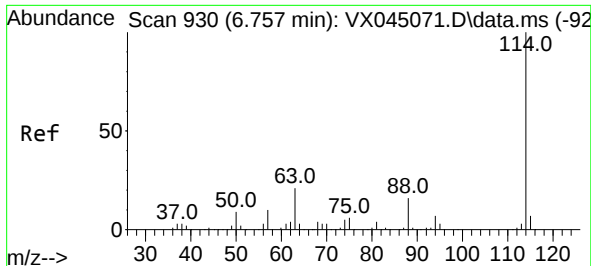


#33
1,2-Dichloroethane-d4
Concen: 67.184 ug/l
RT: 5.976 min Scan# 802
Delta R.T. 0.024 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32



Tgt Ion: 65 Resp: 2506
Ion Ratio Lower Upper
65 100
67 48.6 0.0 106.2

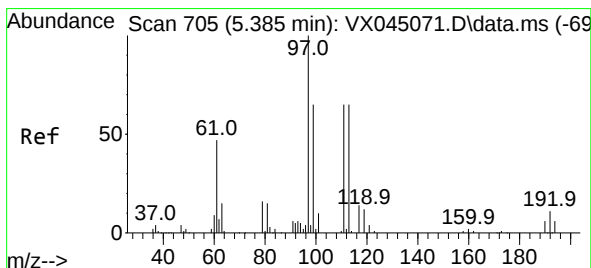
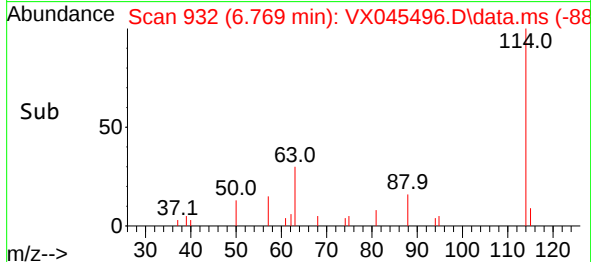
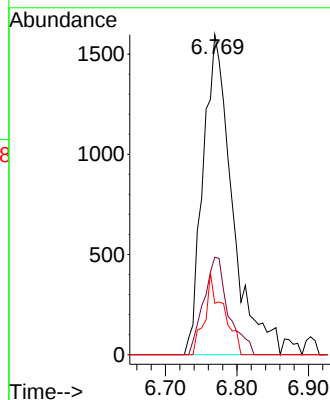
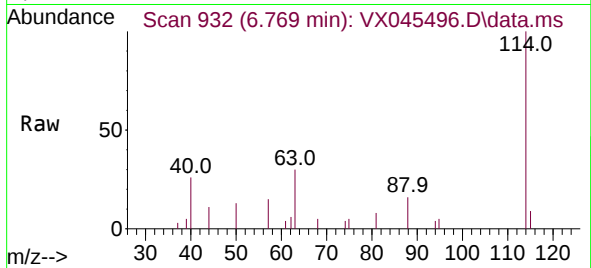




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

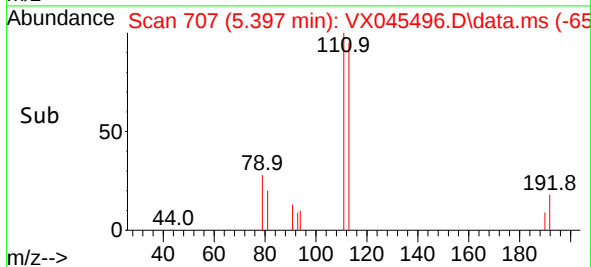
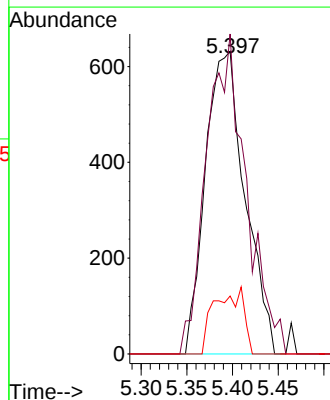
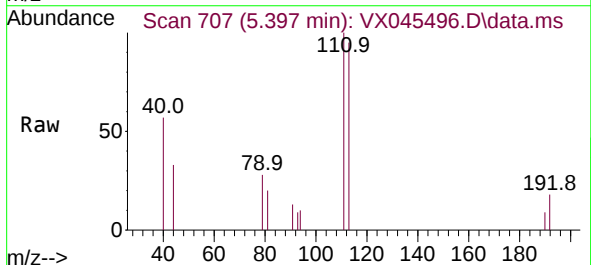
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

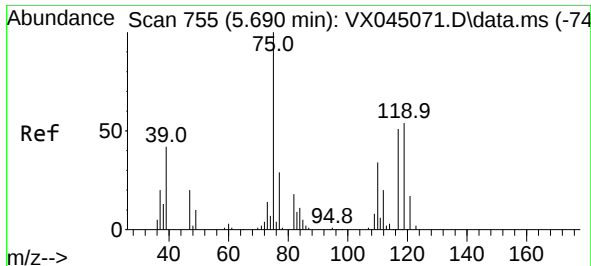
Tgt Ion:114	Resp:	4535
Ion	Ratio	Lower Upper
114	100	
63	30.4	0.0 41.8
88	16.1	0.0 32.8



#35
Dibromofluoromethane
Concen: 62.986 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.012 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

Tgt Ion:113	Resp:	1910
Ion	Ratio	Lower Upper
113	100	
111	105.9	81.8 122.6
192	8.0	14.3 21.5

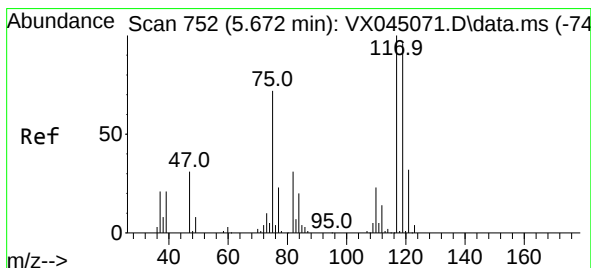
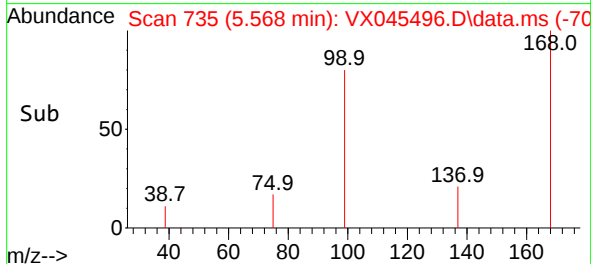
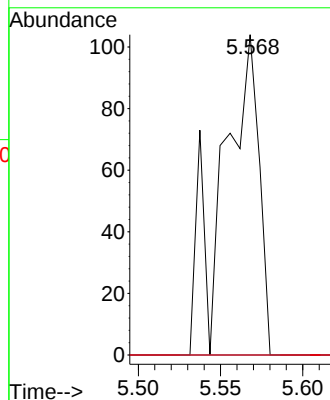
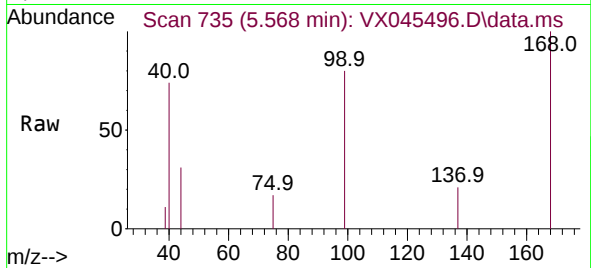




#36
1,1-Dichloropropene
Concen: 3.920 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

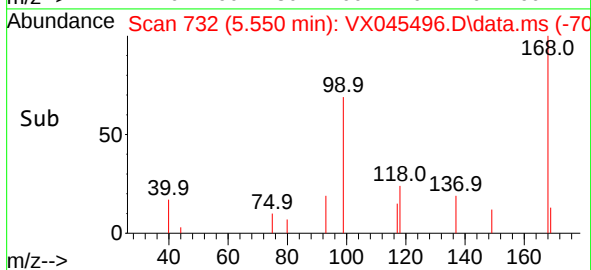
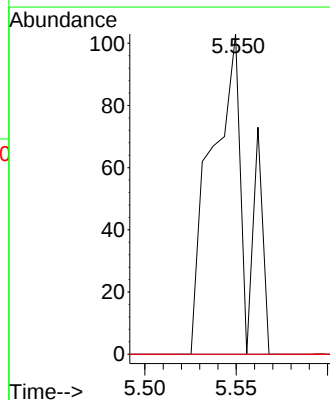
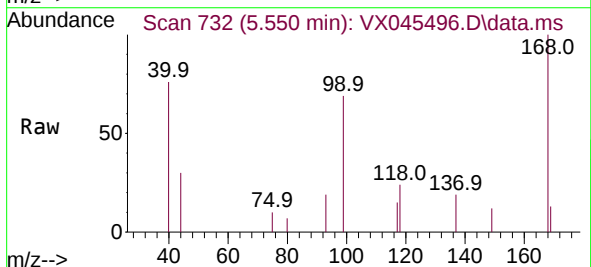
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

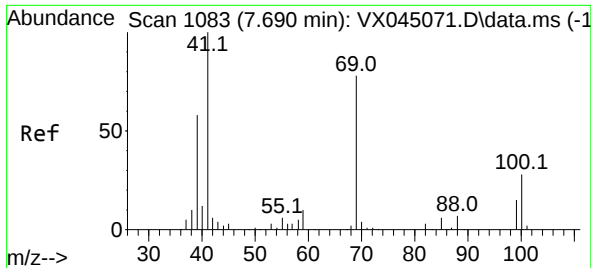
Tgt Ion: 75 Resp: 163
Ion Ratio Lower Upper
75 100
110 0.0 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 3.245 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

Tgt Ion: 117 Resp: 137
Ion Ratio Lower Upper
117 100
119 0.0 76.7 115.1#
121 0.0 25.5 38.3#

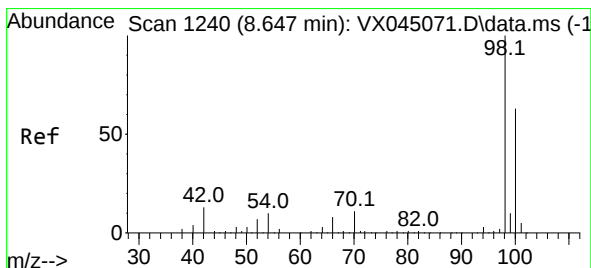
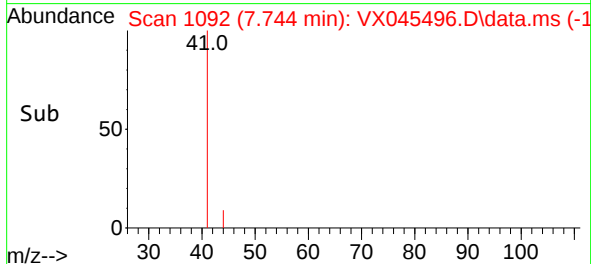
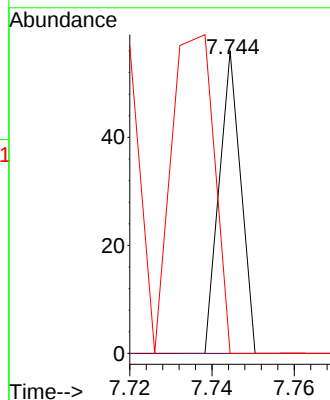
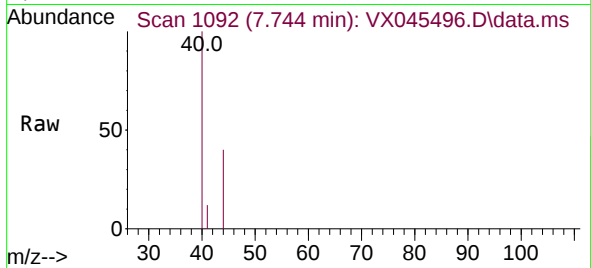




#48
Methyl methacrylate
Concen: 0.503 ug/l
RT: 7.744 min Scan# 1083
Delta R.T. 0.055 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

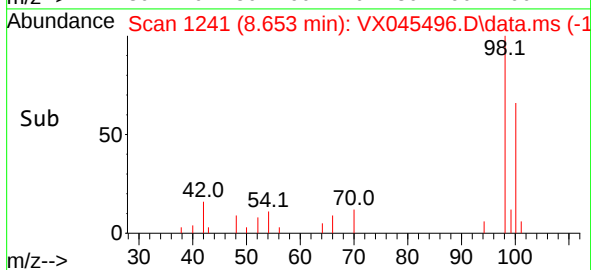
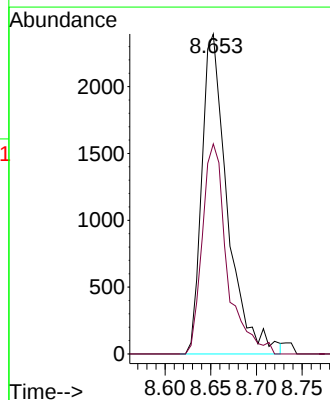
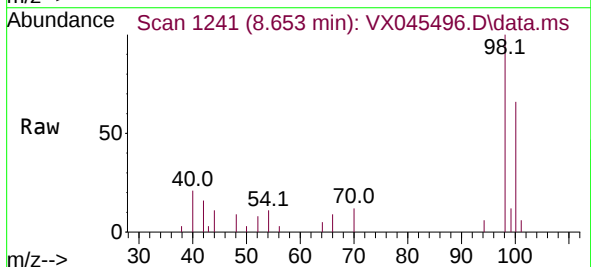
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

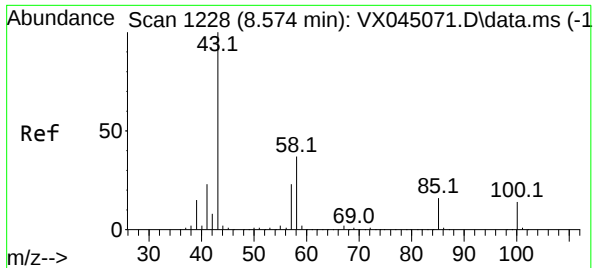
Tgt Ion: 41	Resp: 20
Ion Ratio	Lower Upper
41 100	
69 0.0	63.0 94.6#
39 210.0	47.5 71.3#



#50
Toluene-d8
Concen: 42.379 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

Tgt Ion: 98	Resp: 4659
Ion Ratio	Lower Upper
98 100	
100 63.5	52.0 78.0

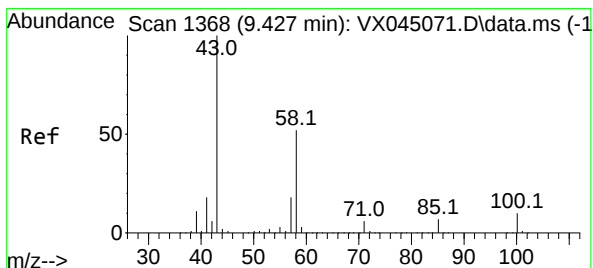
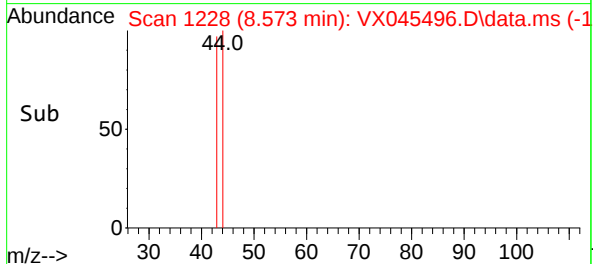
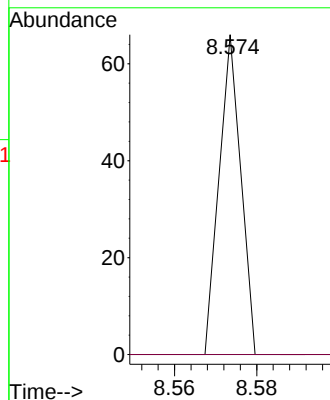
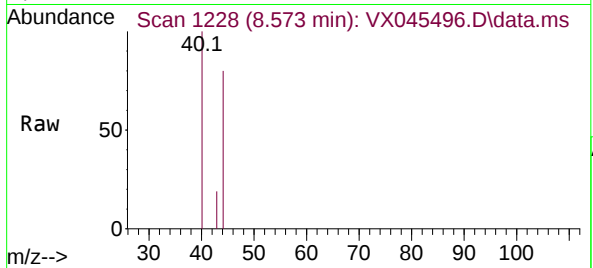




#51
4-Methyl-2-Pentanone
Concen: 0.451 ug/l
RT: 8.573 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

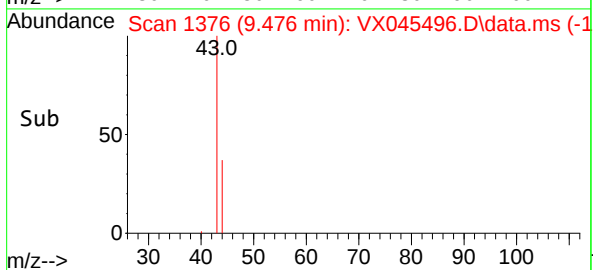
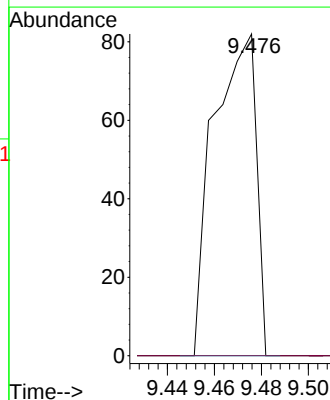
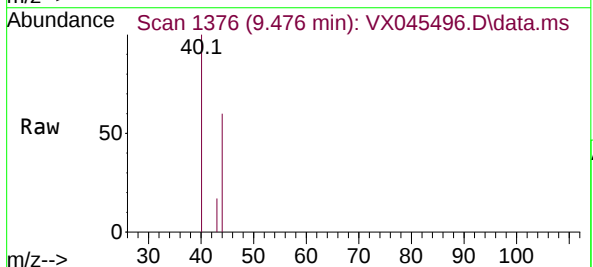
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

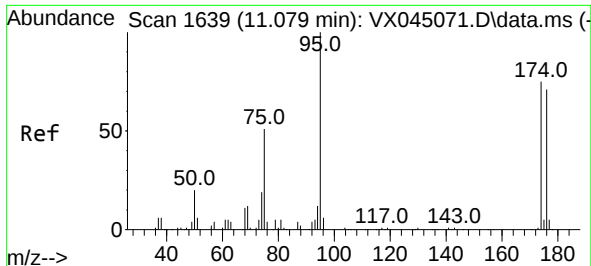
Tgt Ion: 43 Resp: 24
Ion Ratio Lower Upper
43 100
58 0.0 29.2 43.8#



#59
2-Hexanone
Concen: 2.672 ug/l
RT: 9.476 min Scan# 1376
Delta R.T. 0.049 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

Tgt Ion: 43 Resp: 103
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.6#

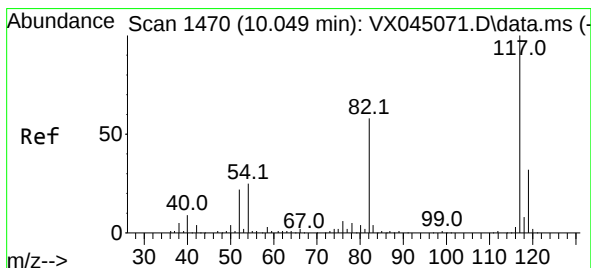
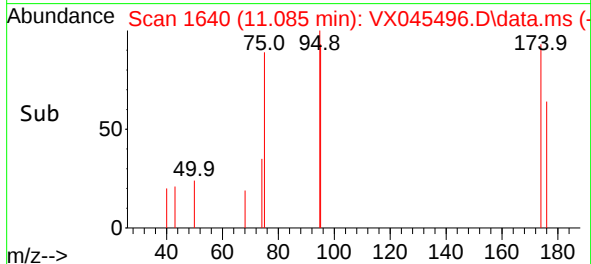
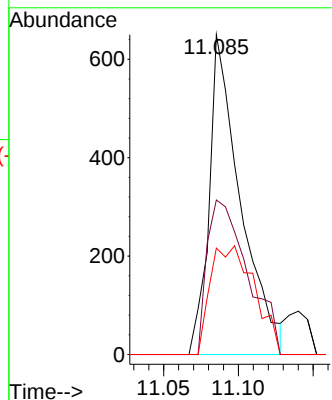
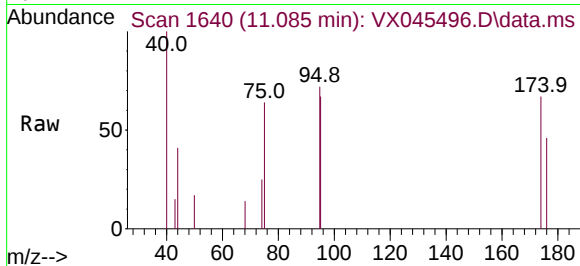




#62
4-Bromofluorobenzene
Concen: 26.023 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

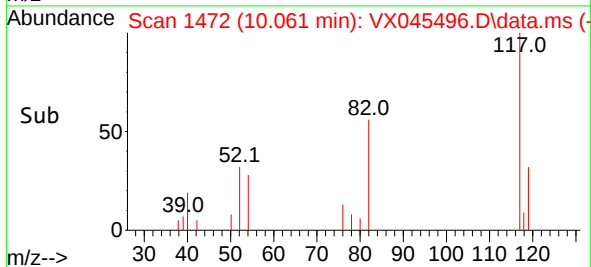
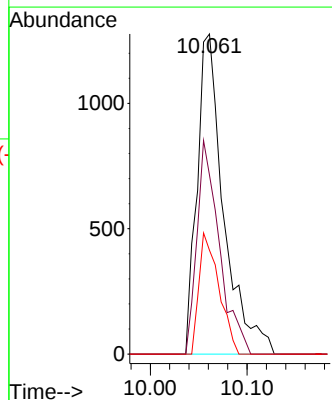
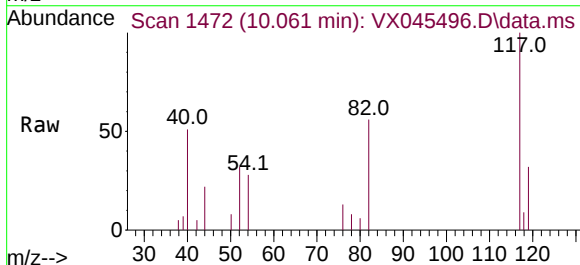
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

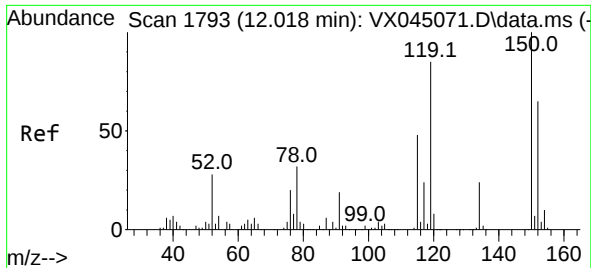
Tgt Ion: 95 Resp: 948
Ion Ratio Lower Upper
95 100
174 62.6 0.0 148.2
176 47.7 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.012 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

Tgt Ion: 117 Resp: 2448
Ion Ratio Lower Upper
117 100
82 55.9 46.3 69.5
119 32.4 25.7 38.5

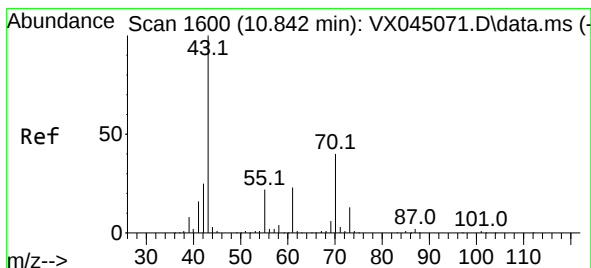
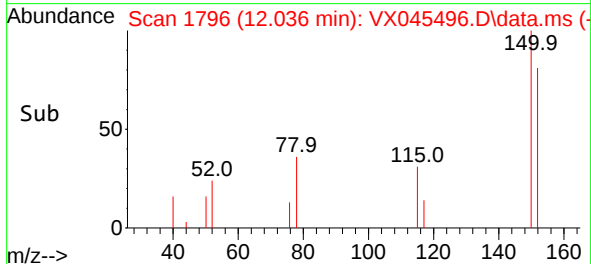
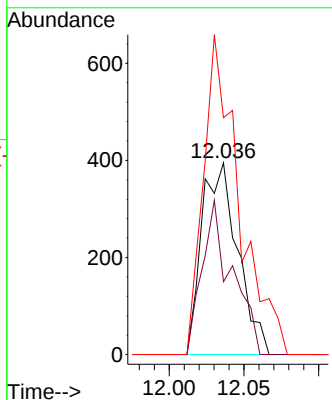
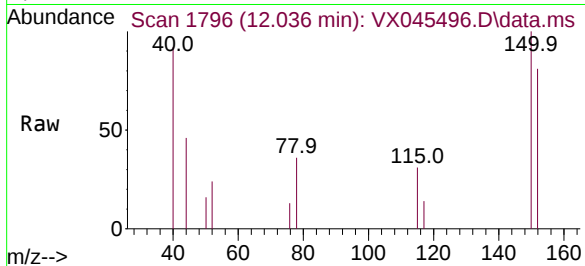




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.036 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

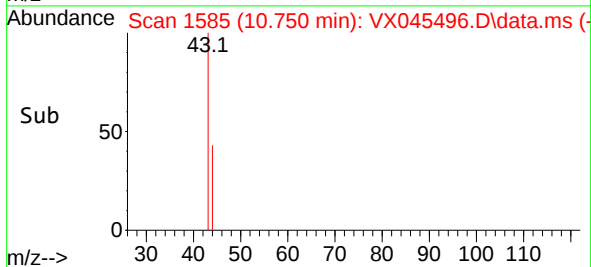
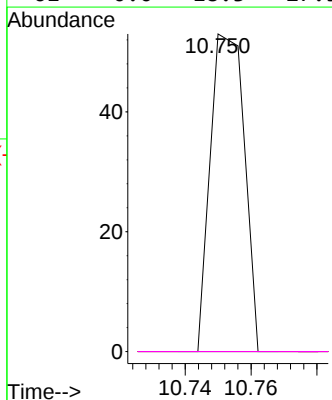
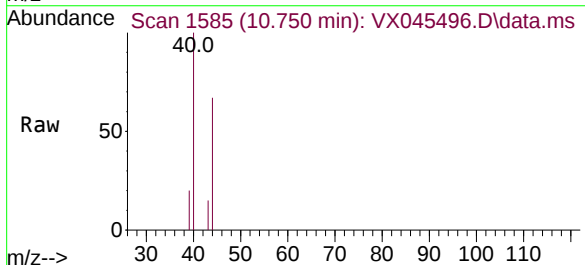
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

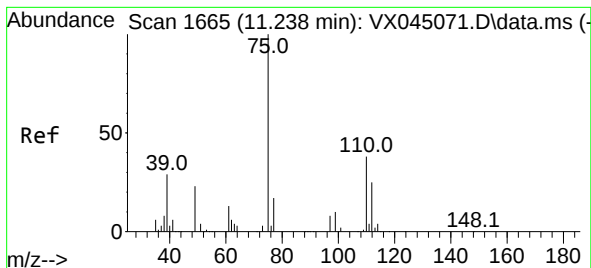
Tgt Ion:152 Resp: 658
Ion Ratio Lower Upper
152 100
115 66.9 44.2 132.6
150 165.3 0.0 349.0



#74
N-ethyl acetate
Concen: 1.577 ug/l
RT: 10.750 min Scan# 1585
Delta R.T. -0.092 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

Tgt Ion: 43 Resp: 38
Ion Ratio Lower Upper
43 100
70 0.0 31.8 47.6#
55 0.0 18.3 27.5#
61 0.0 18.3 27.5#

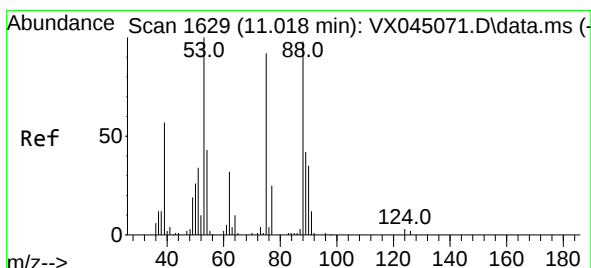
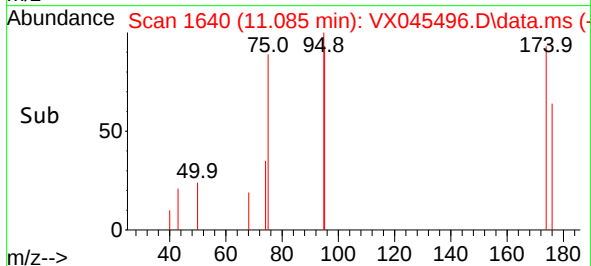
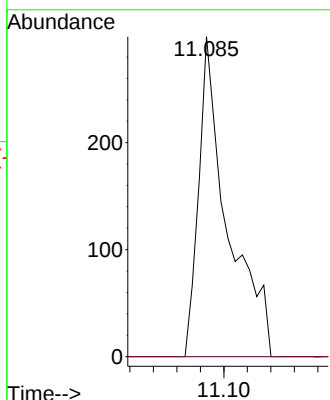
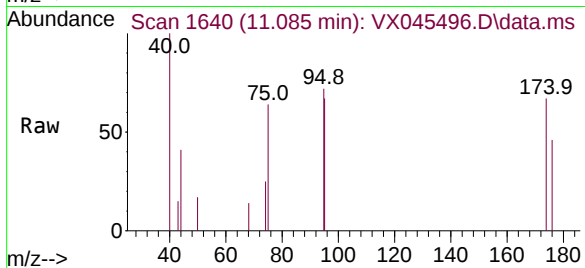




#76
1,2,3-Trichloropropane
Concen: 33.431 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.153 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

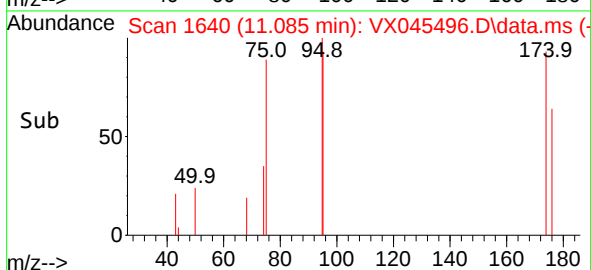
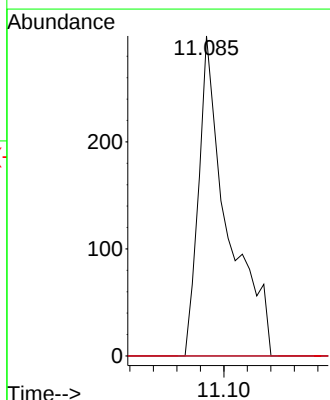
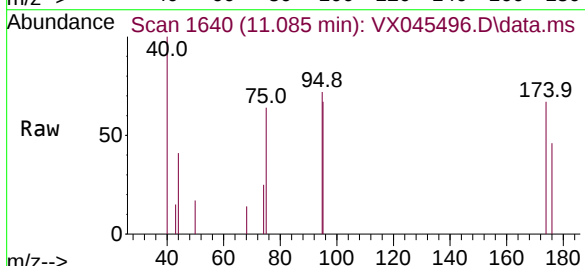
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

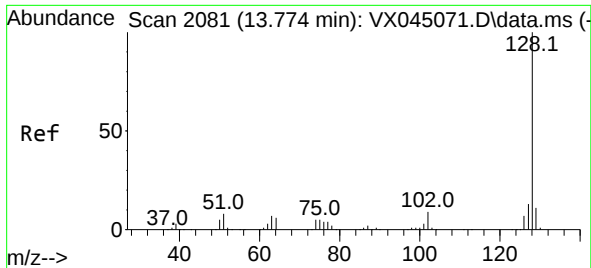
Tgt Ion: 75 Resp: 512
Ion Ratio Lower Upper
75 100
77 0.0 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.408 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

Tgt Ion: 75 Resp: 512
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#





#95
Naphthalene
Concen: 4.300 ug/l
RT: 13.798 min Scan# 20
Delta R.T. 0.024 min
Lab File: VX045496.D
Acq: 27 Mar 2025 22:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 204
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#

