

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
 Data File : VX046219.D
 Acq On : 15 May 2025 17:18
 Operator : JC/MD
 Sample : Q2034-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:08:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

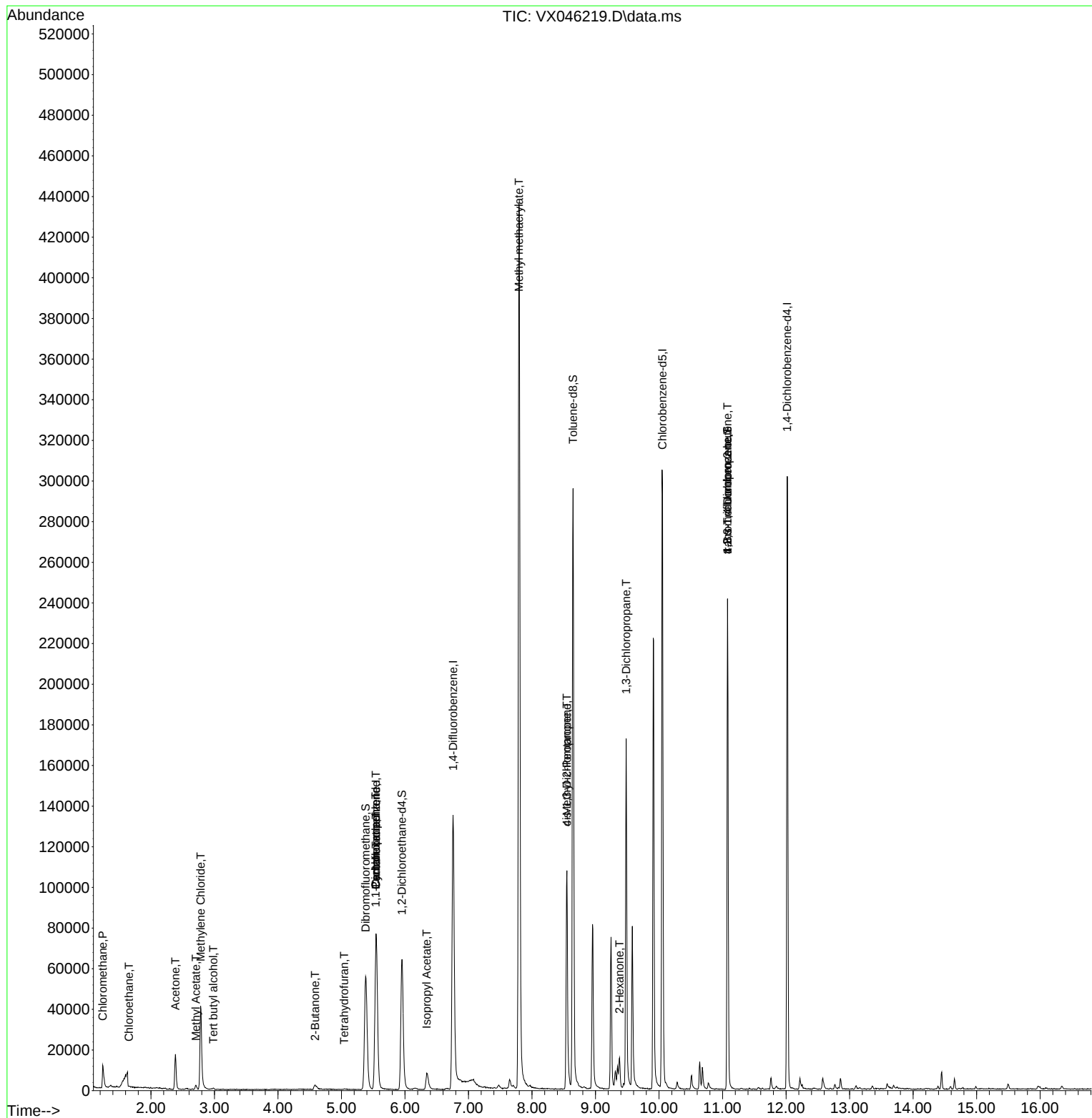
Internal Standards						
1) Pentafluorobenzene	5.544	168	64069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129535	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67257	56.308	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.620%
35) Dibromofluoromethane	5.379	113	49791	53.379	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.760%
50) Toluene-d8	8.647	98	165585	51.288	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.580%
62) 4-Bromofluorobenzene	11.079	95	64648	52.202	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	284	0.299	ug/l #	43
6) Chloroethane	1.654	64	114	0.241	ug/l #	44
11) Tert butyl alcohol	2.983	59	691	4.121	ug/l #	72
16) Acetone	2.386	43	18558	38.750	ug/l	100
18) Methyl Acetate	2.709	43	2839	2.555	ug/l	94
20) Methylene Chloride	2.782	84	19029	20.734	ug/l	96
25) 2-Butanone	4.587	43	6001	8.631	ug/l	93
29) Tetrahydrofuran	5.044	42	317	0.728	ug/l #	46
31) Cyclohexane	5.544	56	1814	1.274	ug/l #	5
36) 1,1-Dichloropropene	5.538	75	6484	5.174	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7849	5.574	ug/l #	16
43) Isopropyl Acetate	6.342	43	12553	5.314	ug/l	99
48) Methyl methacrylate	7.793	41	45448	37.672	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	42035	26.808	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	16280	11.687	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	1443	0.905	ug/l #	42
59) 2-Hexanone	9.378	43	12686	10.935	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	37333	27.963	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37333	91.038	ug/l #	1

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

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MSVOA_X
ClientSampleId :

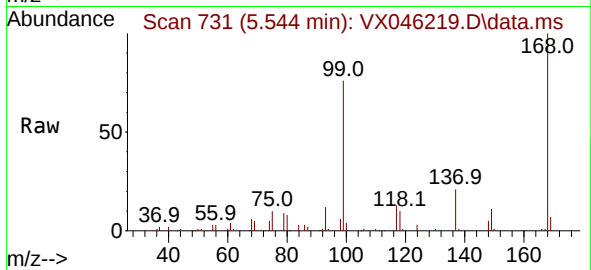
Quant Time: May 16 01:08:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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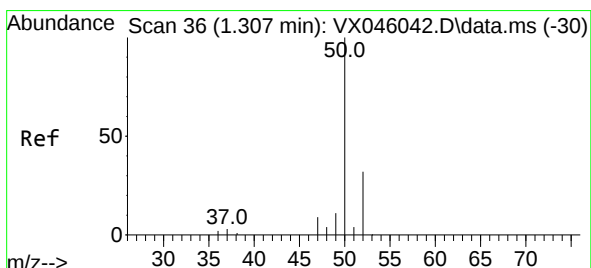
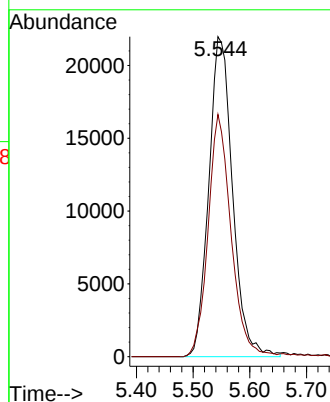
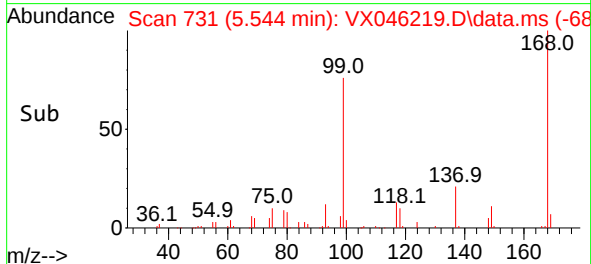


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046219.D
Acq: 15 May 2025 17:18

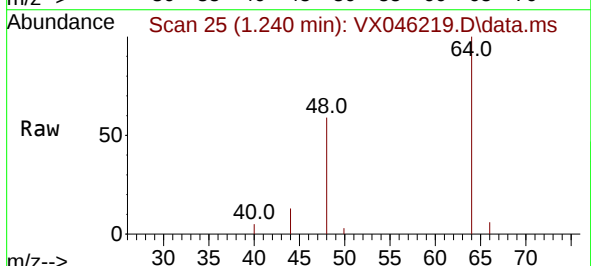
Instrument :
MSVOA_X
ClientSampleId :



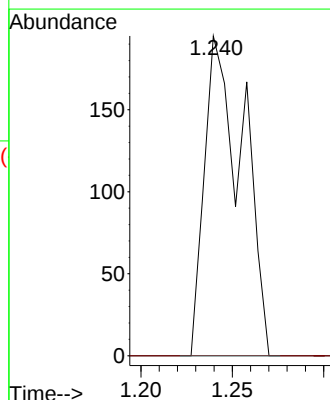
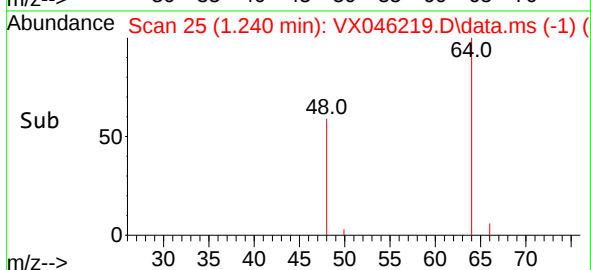
Tgt Ion:168 Resp: 64069
Ion Ratio Lower Upper
168 100
99 75.7 54.9 82.3

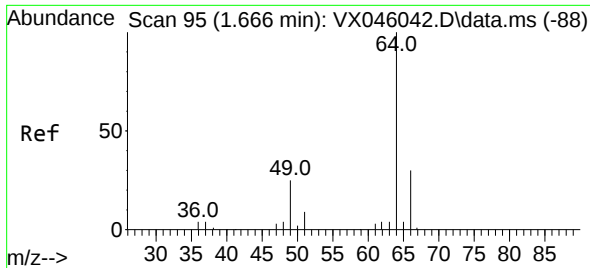


#3
Chloromethane
Concen: 0.299 ug/l
RT: 1.240 min Scan# 25
Delta R.T. -0.067 min
Lab File: VX046219.D
Acq: 15 May 2025 17:18



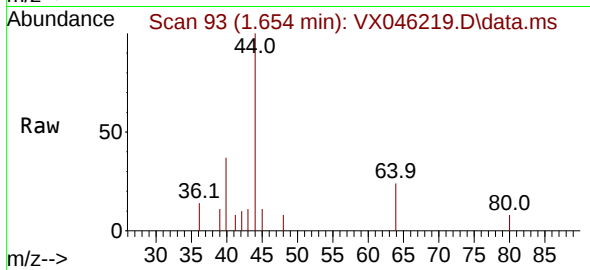
Tgt Ion: 50 Resp: 284
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



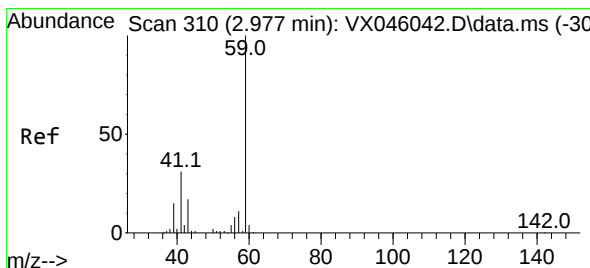
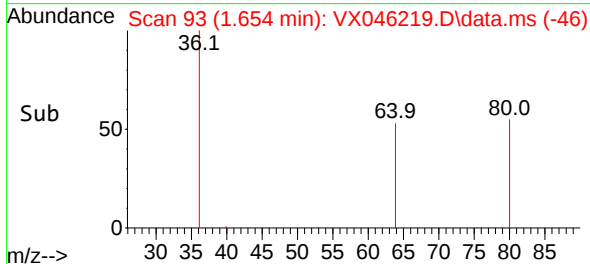
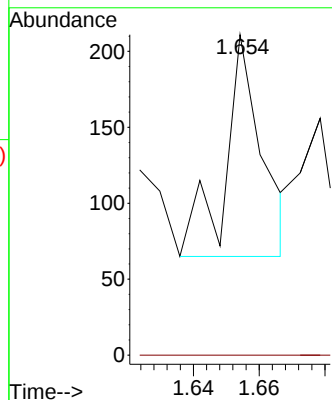


#6
Chloroethane
Concen: 0.241 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX046219.D
Acq: 15 May 2025 17:18

Instrument :
MSVOA_X
ClientSampleId :

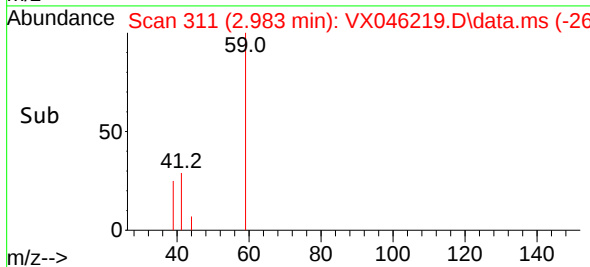
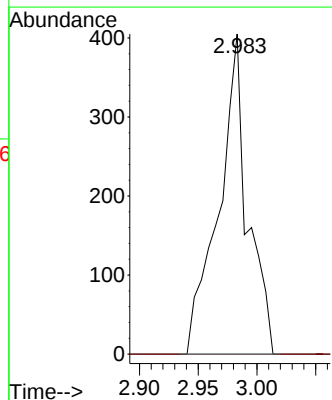
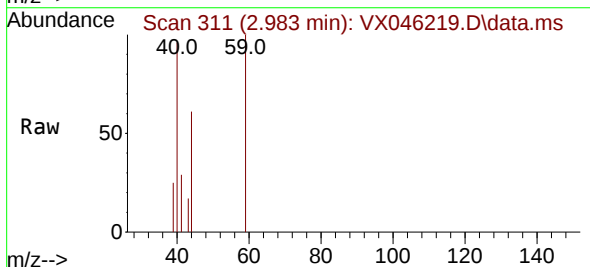


Tgt Ion: 64 Resp: 114
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



#11
Tert butyl alcohol
Concen: 4.121 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX046219.D
Acq: 15 May 2025 17:18

Tgt Ion: 59 Resp: 691
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

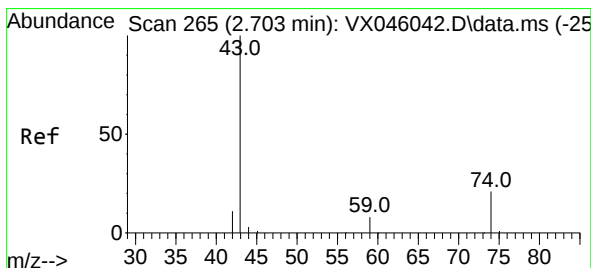
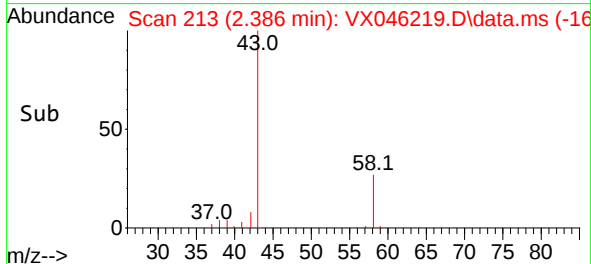
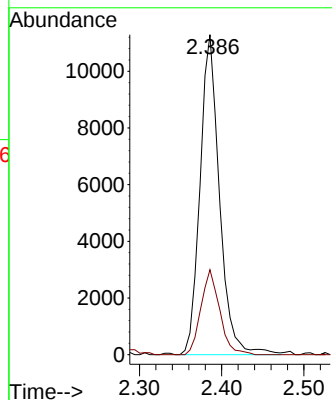
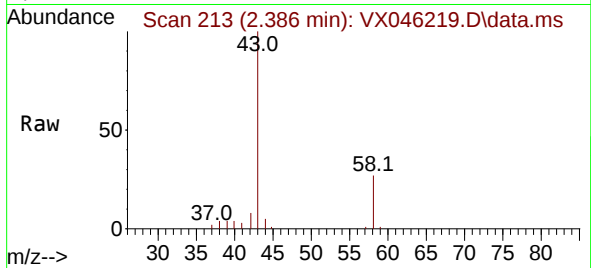




#16
Acetone
Concen: 38.750 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046219.D
Acq: 15 May 2025 17:18

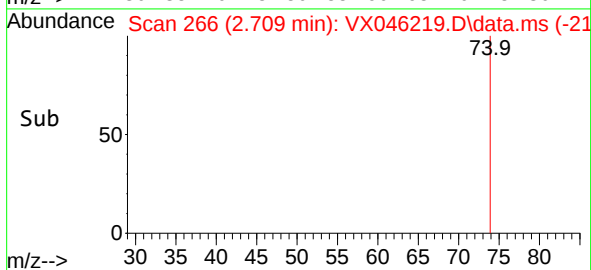
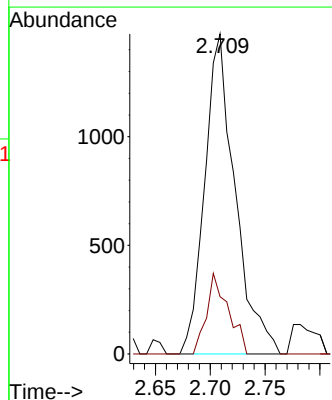
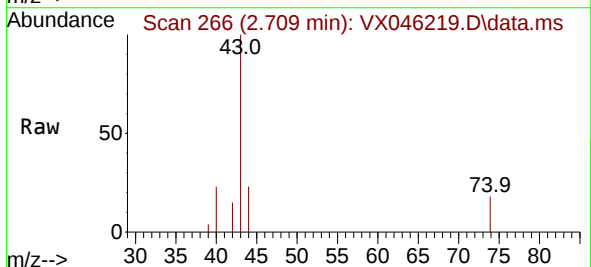
Instrument :
MSVOA_X
ClientSampleId :

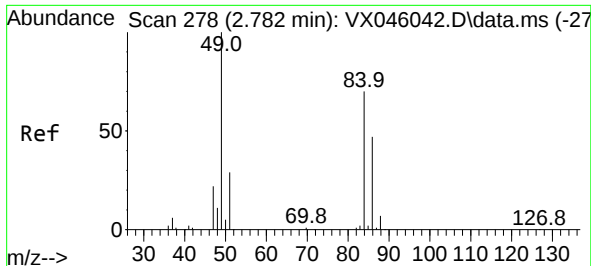
Tgt Ion: 43 Resp: 18558
Ion Ratio Lower Upper
43 100
58 26.6 21.2 31.8



#18
Methyl Acetate
Concen: 2.555 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046219.D
Acq: 15 May 2025 17:18

Tgt Ion: 43 Resp: 2839
Ion Ratio Lower Upper
43 100
74 18.0 16.7 25.1





#20

Methylene Chloride

Concen: 20.734 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.000 min

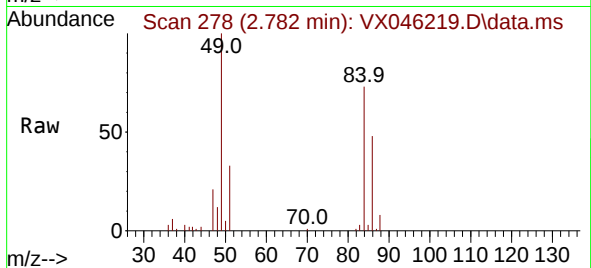
Lab File: VX046219.D

Acq: 15 May 2025 17:18

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 19029

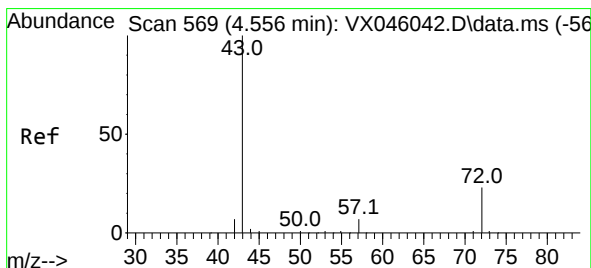
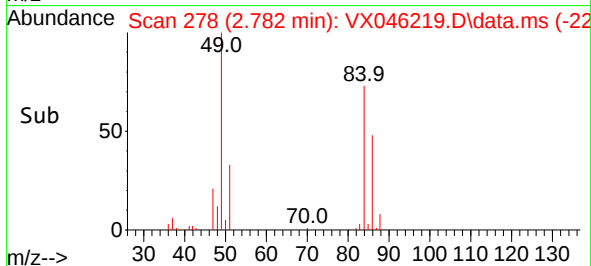
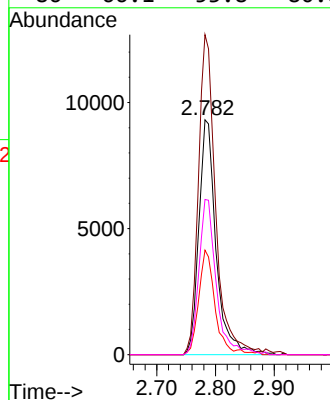
Ion Ratio Lower Upper

84 100

49 136.2 113.9 170.9

51 44.5 33.5 50.3

86 66.1 53.8 80.8



#25

2-Butanone

Concen: 8.631 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.030 min

Lab File: VX046219.D

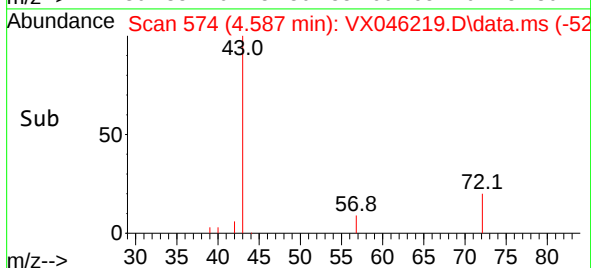
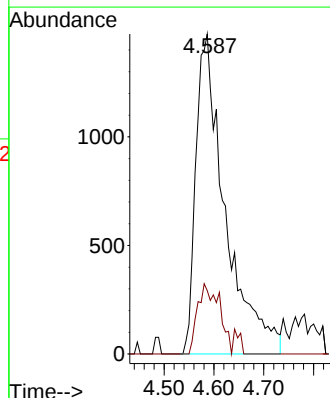
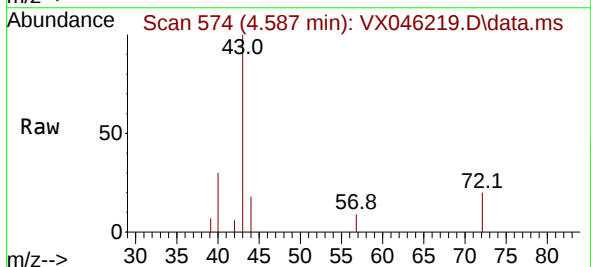
Acq: 15 May 2025 17:18

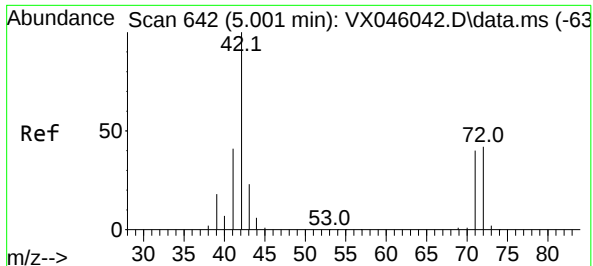
Tgt Ion: 43 Resp: 6001

Ion Ratio Lower Upper

43 100

72 19.8 18.4 27.6





#29

Tetrahydrofuran

Concen: 0.728 ug/l

RT: 5.044 min Scan# 642

Delta R.T. 0.043 min

Lab File: VX046219.D

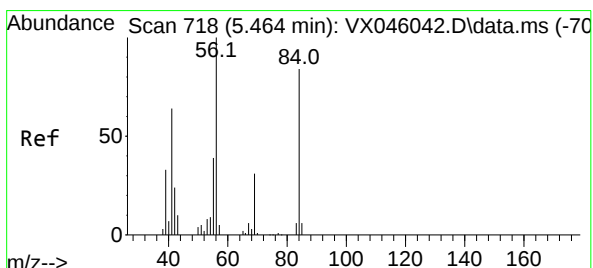
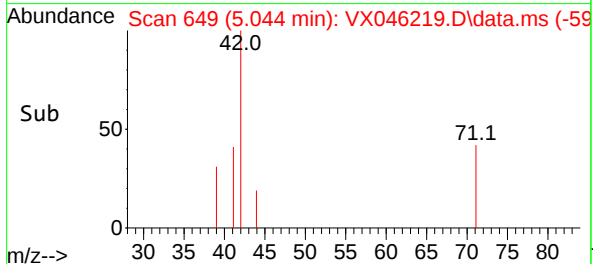
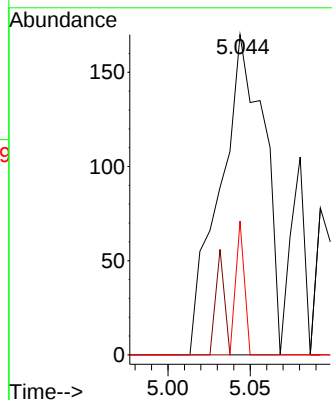
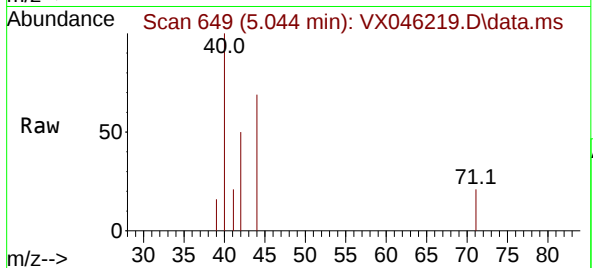
Acq: 15 May 2025 17:18

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	317
Ion	Ratio	Lower	Upper
42	100		
72	6.3	33.7	50.5#
71	8.2	31.4	47.2#



#31

Cyclohexane

Concen: 1.274 ug/l

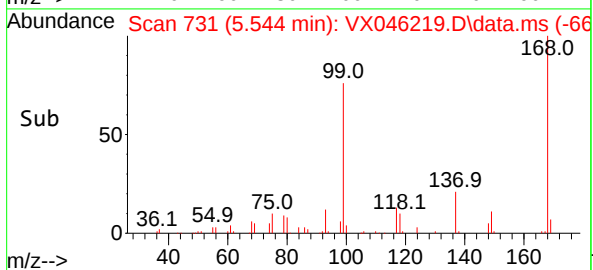
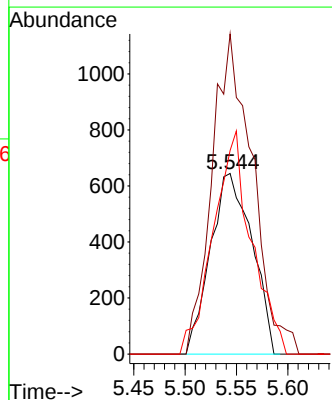
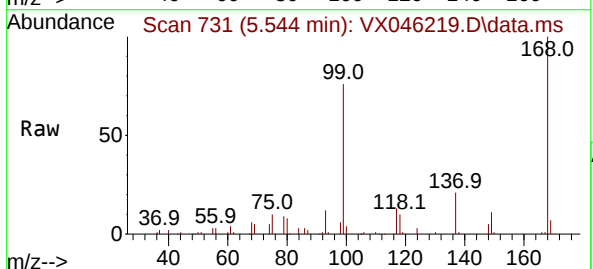
RT: 5.544 min Scan# 731

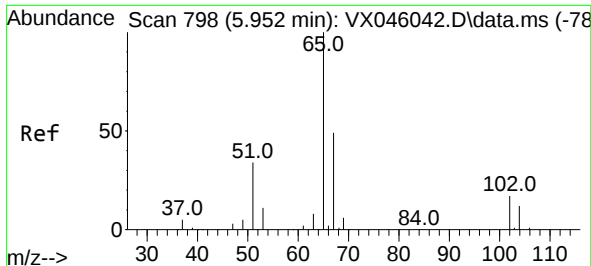
Delta R.T. 0.079 min

Lab File: VX046219.D

Acq: 15 May 2025 17:18

Tgt Ion:	56	Resp:	1814
Ion	Ratio	Lower	Upper
56	100		
69	177.2	24.4	36.6#
84	112.7	66.9	100.3#





#33

1,2-Dichloroethane-d4

Concen: 56.308 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046219.D

Acq: 15 May 2025 17:18

Instrument :

MSVOA_X

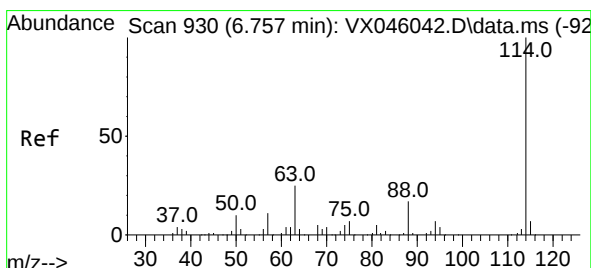
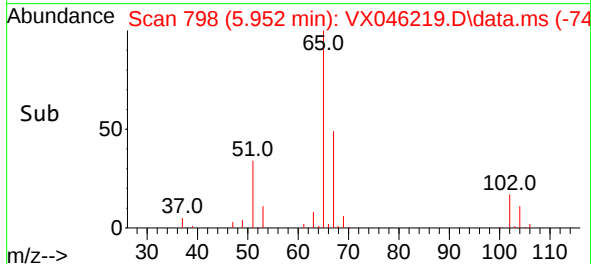
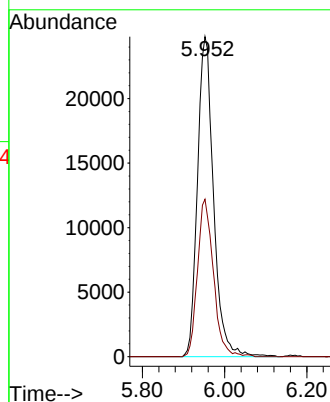
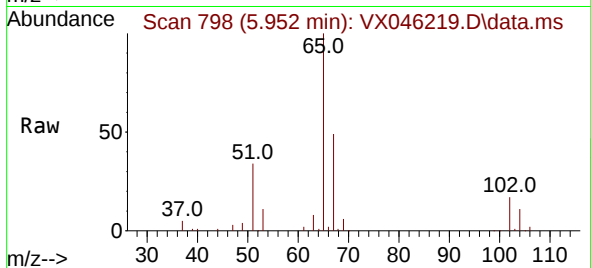
ClientSampleId :

Tgt Ion: 65 Resp: 67257

Ion Ratio Lower Upper

65 100

67 48.7 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046219.D

Acq: 15 May 2025 17:18

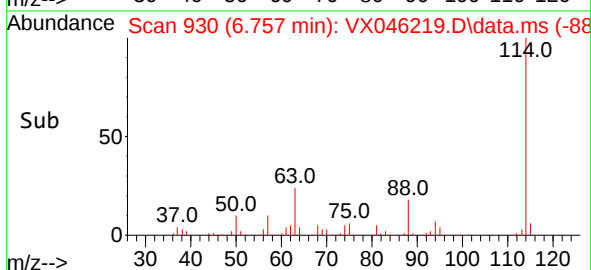
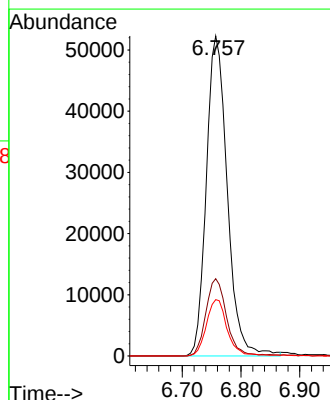
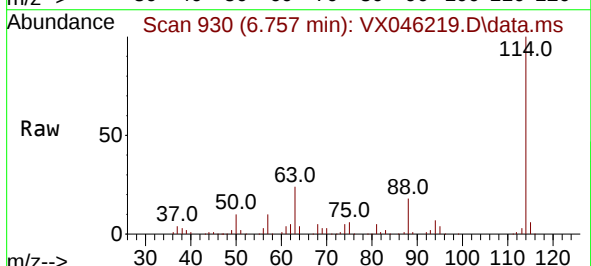
Tgt Ion: 114 Resp: 129535

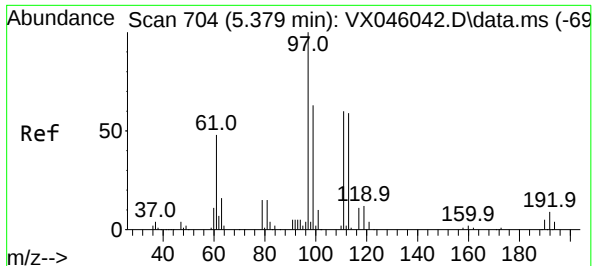
Ion Ratio Lower Upper

114 100

63 24.1 0.0 49.2

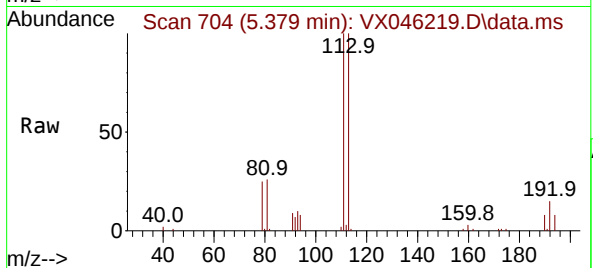
88 17.6 0.0 33.6



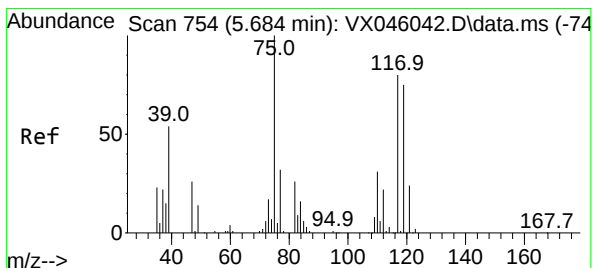
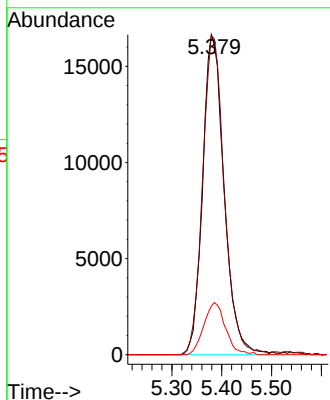
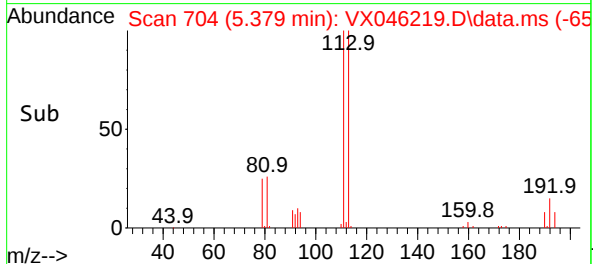


#35
Dibromofluoromethane
Concen: 53.379 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046219.D
Acq: 15 May 2025 17:18

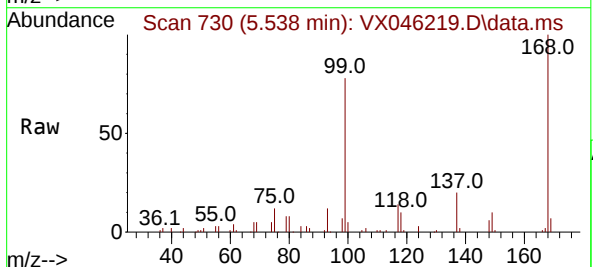
Instrument :
MSVOA_X
ClientSampleId :



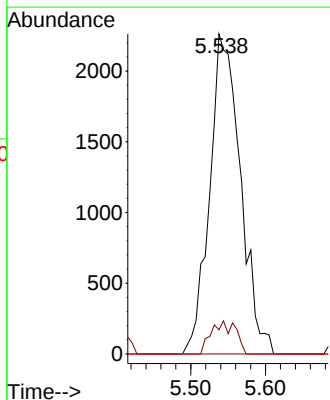
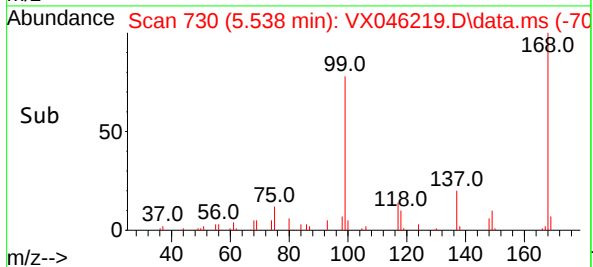
Tgt Ion:113 Resp: 49791
Ion Ratio Lower Upper
113 100
111 100.5 83.1 124.7
192 16.4 13.3 19.9

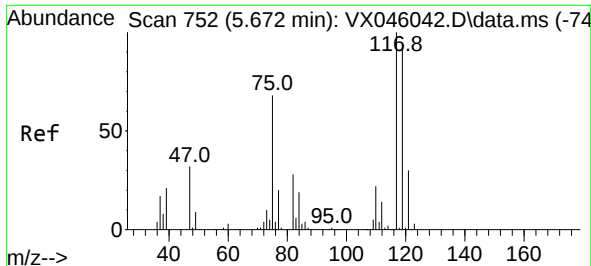


#36
1,1-Dichloropropene
Concen: 5.174 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX046219.D
Acq: 15 May 2025 17:18



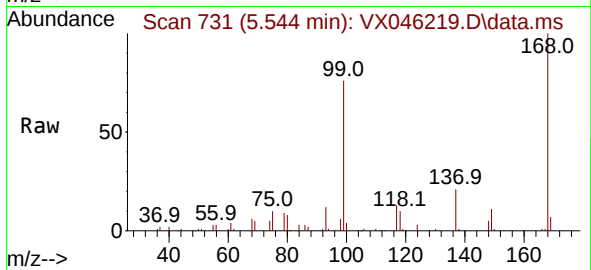
Tgt Ion: 75 Resp: 6484
Ion Ratio Lower Upper
75 100
110 8.2 16.3 48.9#
77 0.0 24.3 36.5#



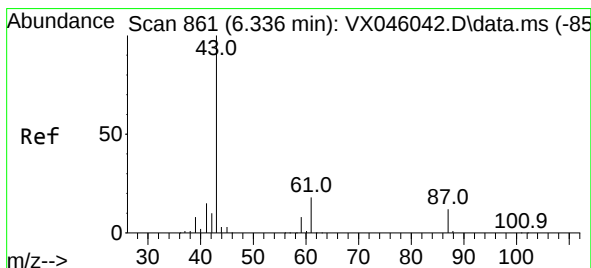
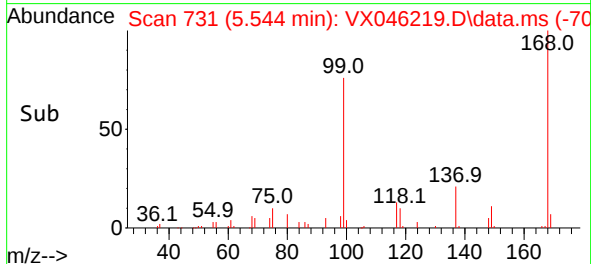
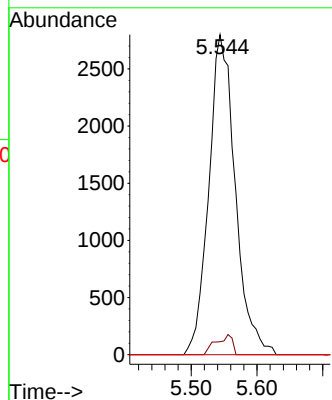


#38
Carbon Tetrachloride
Concen: 5.574 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046219.D
Acq: 15 May 2025 17:18

Instrument :
MSVOA_X
ClientSampleId :

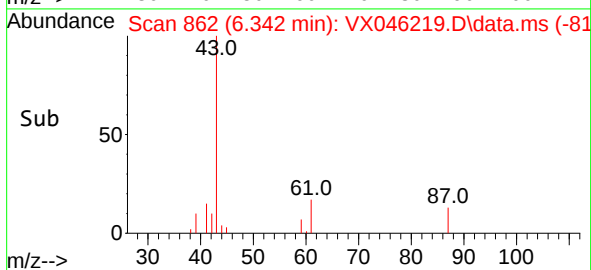
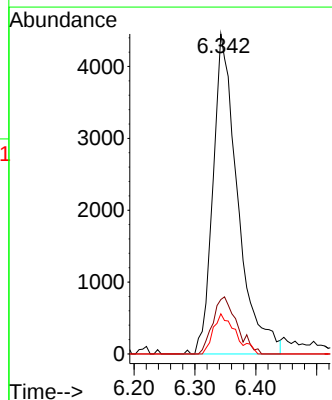
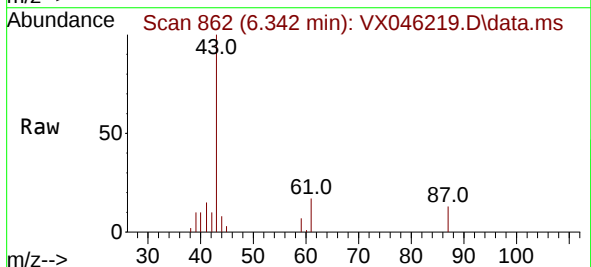


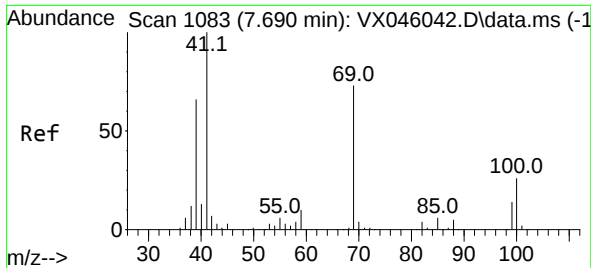
Tgt Ion:117 Resp: 7849
Ion Ratio Lower Upper
117 100
119 4.1 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 5.314 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX046219.D
Acq: 15 May 2025 17:18

Tgt Ion: 43 Resp: 12553
Ion Ratio Lower Upper
43 100
61 17.4 14.3 21.5
87 11.2 9.5 14.3

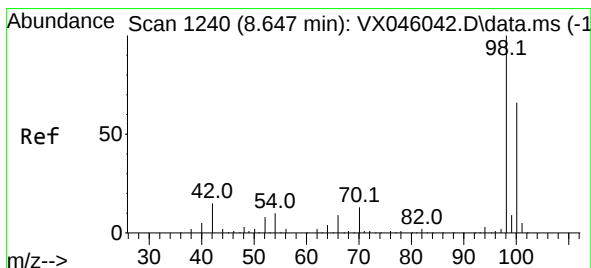
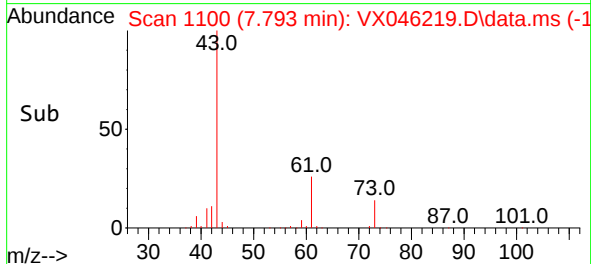
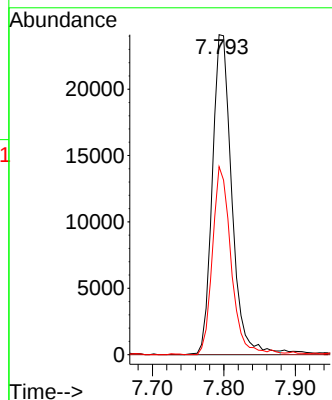
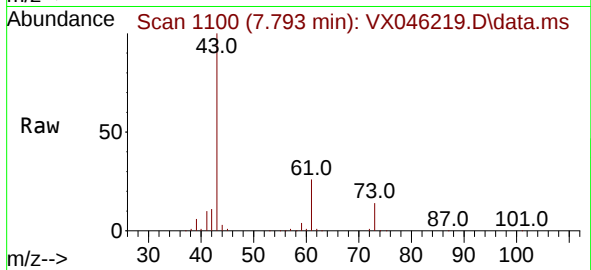




#48
Methyl methacrylate
Concen: 37.672 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046219.D
Acq: 15 May 2025 17:18

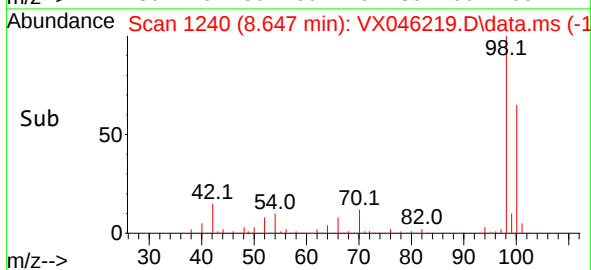
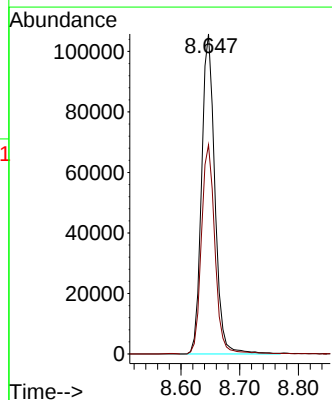
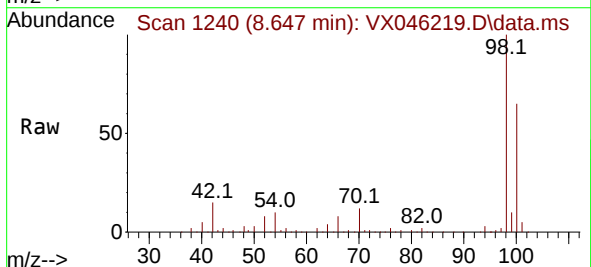
Instrument :
MSVOA_X
ClientSampleId :

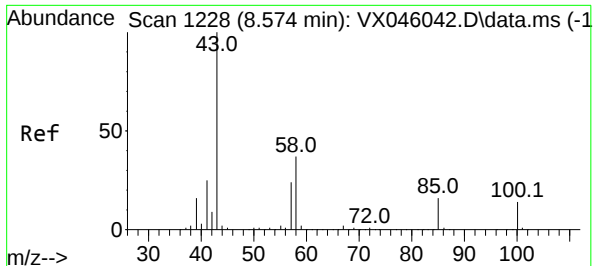
Tgt Ion: 41 Resp: 45448
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 56.6 51.7 77.5



#50
Toluene-d8
Concen: 51.288 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046219.D
Acq: 15 May 2025 17:18

Tgt Ion: 98 Resp: 165585
Ion Ratio Lower Upper
98 100
100 66.3 53.5 80.3

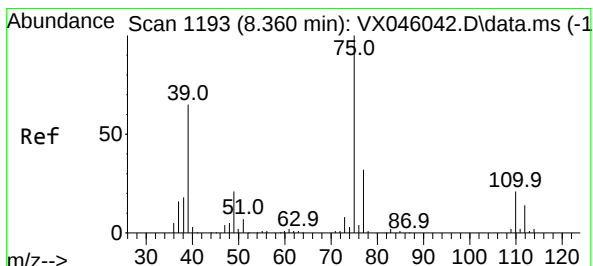
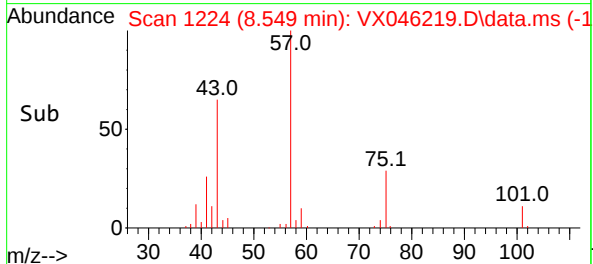
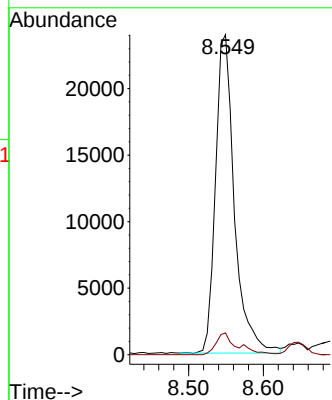
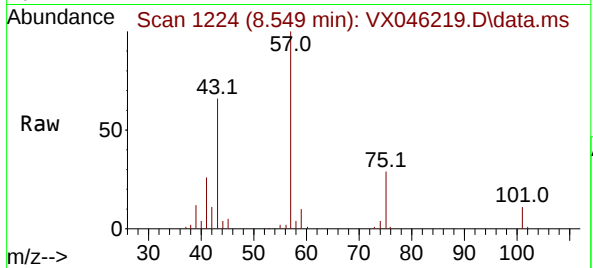




#51
4-Methyl-2-Pentanone
Concen: 26.808 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX046219.D
Acq: 15 May 2025 17:18

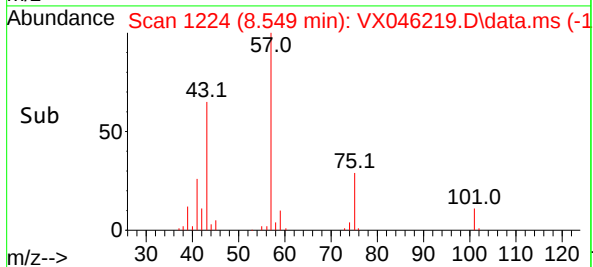
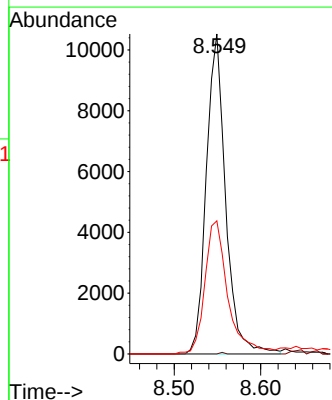
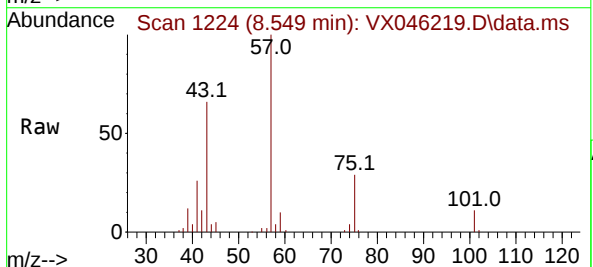
Instrument :
MSVOA_X
ClientSampleId :

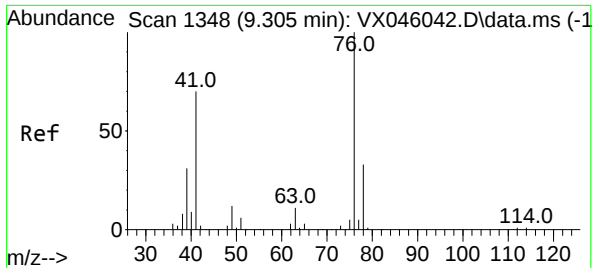
Tgt Ion: 43 Resp: 42035
Ion Ratio Lower Upper
43 100
58 7.7 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 11.687 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046219.D
Acq: 15 May 2025 17:18

Tgt Ion: 75 Resp: 16280
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 41.0 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 0.905 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX046219.D

Acq: 15 May 2025 17:18

Instrument :

MSVOA_X

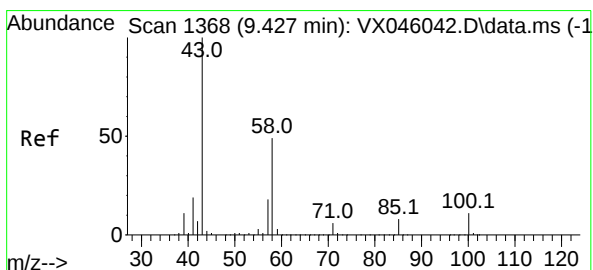
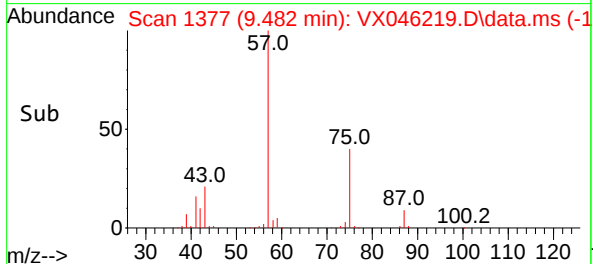
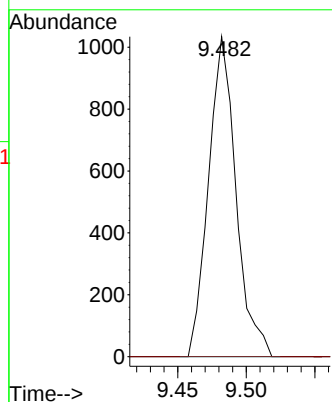
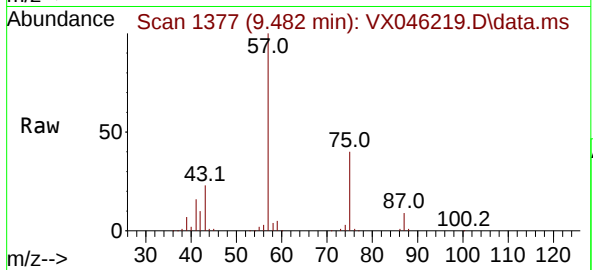
ClientSampleId :

Tgt Ion: 76 Resp: 1443

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 10.935 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX046219.D

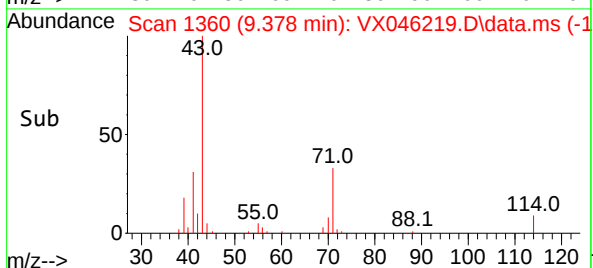
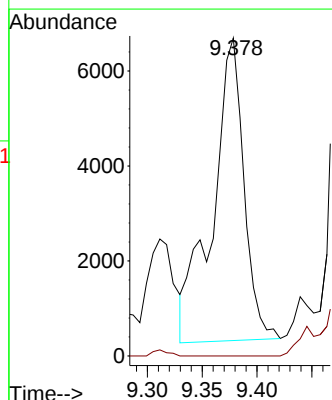
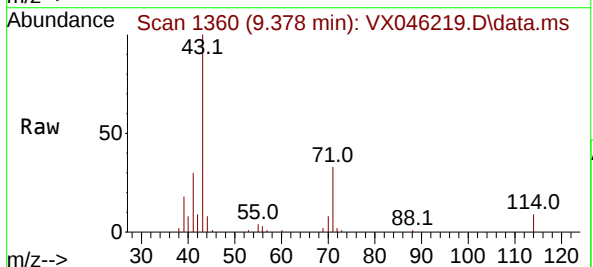
Acq: 15 May 2025 17:18

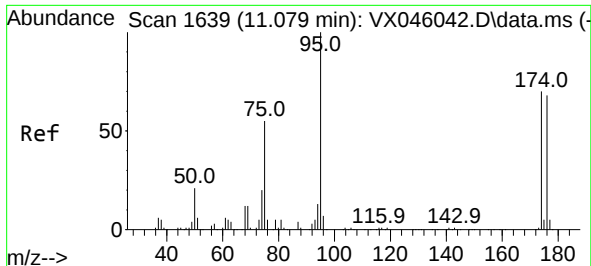
Tgt Ion: 43 Resp: 12686

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 52.202 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

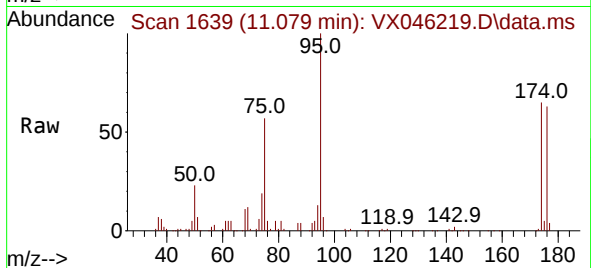
Lab File: VX046219.D

Acq: 15 May 2025 17:18

Instrument :

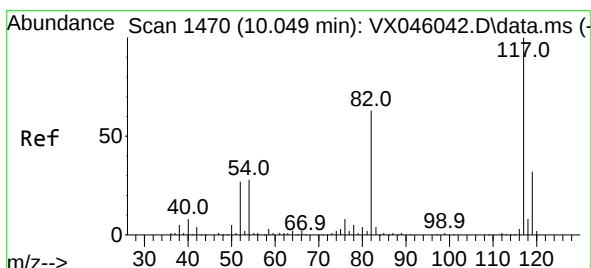
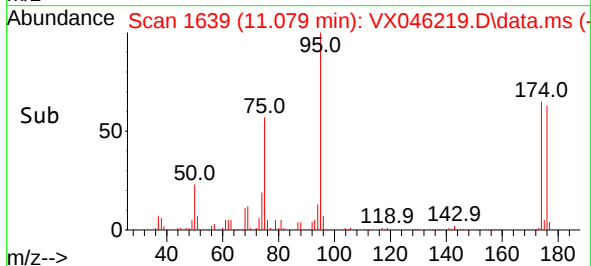
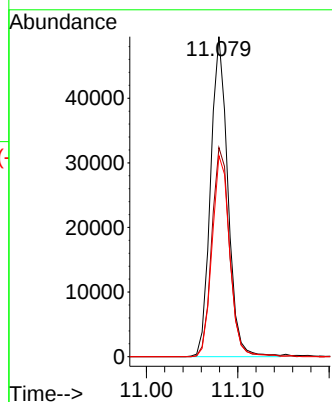
MSVOA_X

ClientSampleId :



Tgt Ion: 95 Resp: 64648

Ion	Ratio	Lower	Upper
95	100		
174	67.5	0.0	135.8
176	64.5	0.0	131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

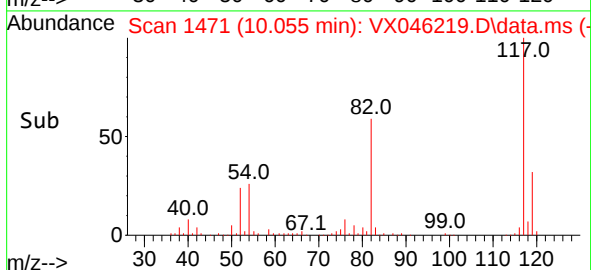
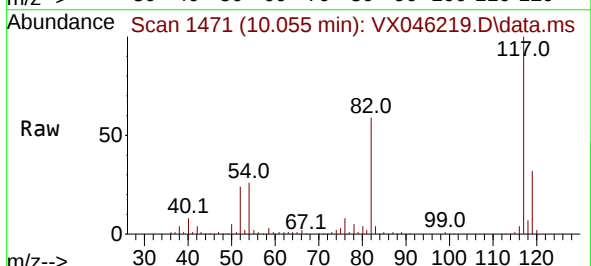
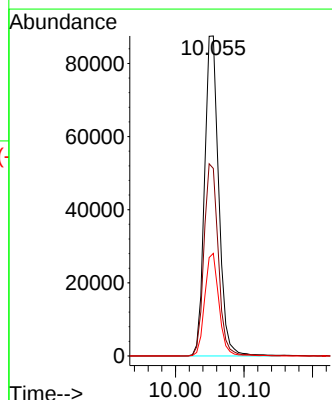
Delta R.T. 0.006 min

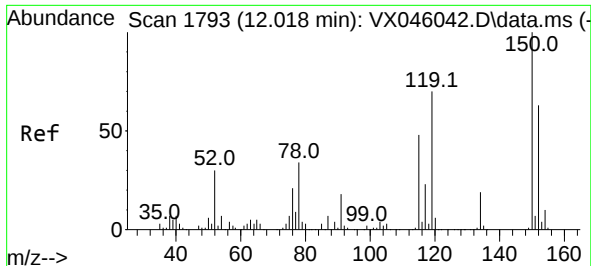
Lab File: VX046219.D

Acq: 15 May 2025 17:18

Tgt Ion: 117 Resp: 126365

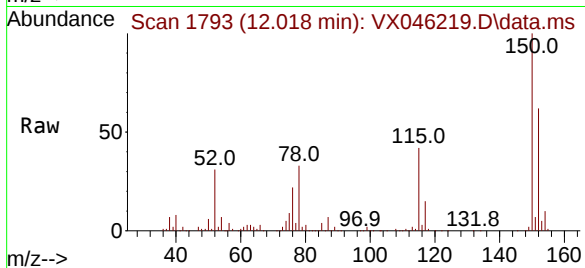
Ion	Ratio	Lower	Upper
117	100		
82	58.6	50.6	76.0
119	32.1	25.8	38.6



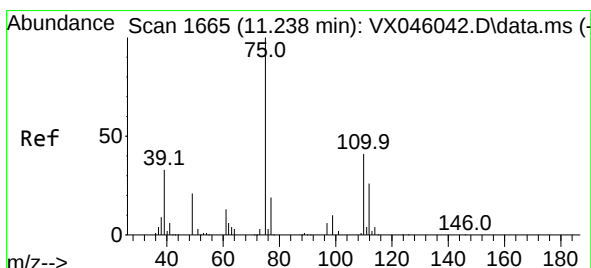
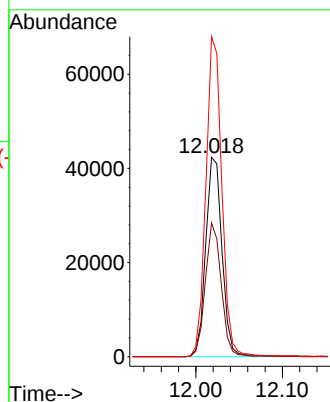
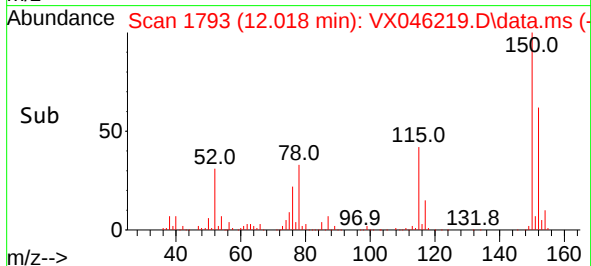


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046219.D
 Acq: 15 May 2025 17:18

Instrument :
 MSVOA_X
 ClientSampleId :

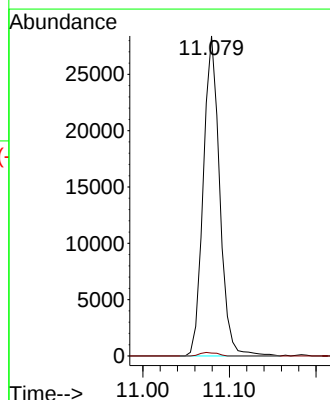
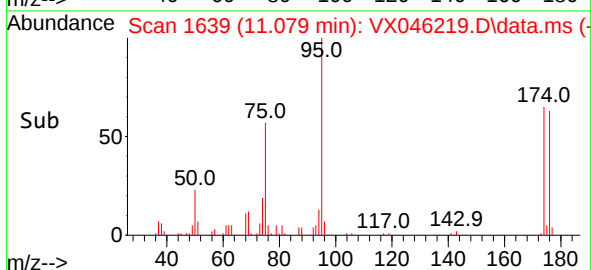
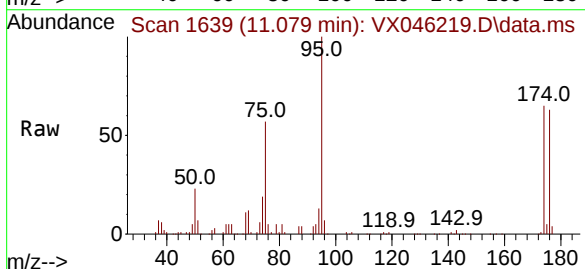


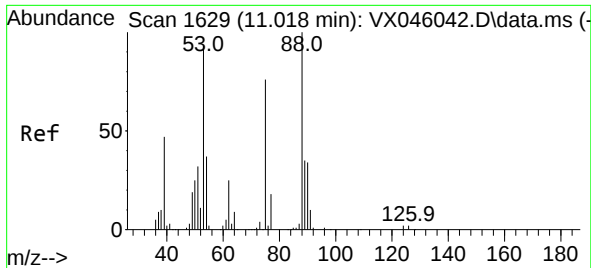
Tgt Ion:152 Resp: 55466
 Ion Ratio Lower Upper
 152 100
 115 65.6 46.9 140.7
 150 157.2 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 27.963 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046219.D
 Acq: 15 May 2025 17:18

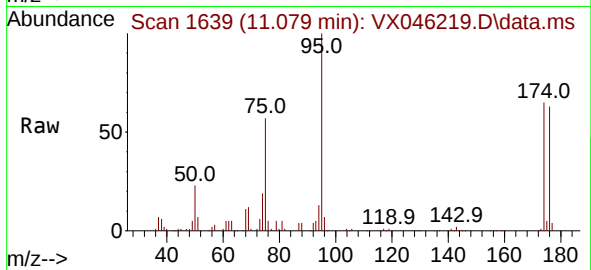
Tgt Ion: 75 Resp: 37333
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.038 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046219.D
 Acq: 15 May 2025 17:18

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 37333
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

