

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045489.D
 Acq On : 27 Mar 2025 19:50
 Operator : JC/MD
 Sample : P167330ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#13

Quant Time: Mar 28 01:37:57 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)

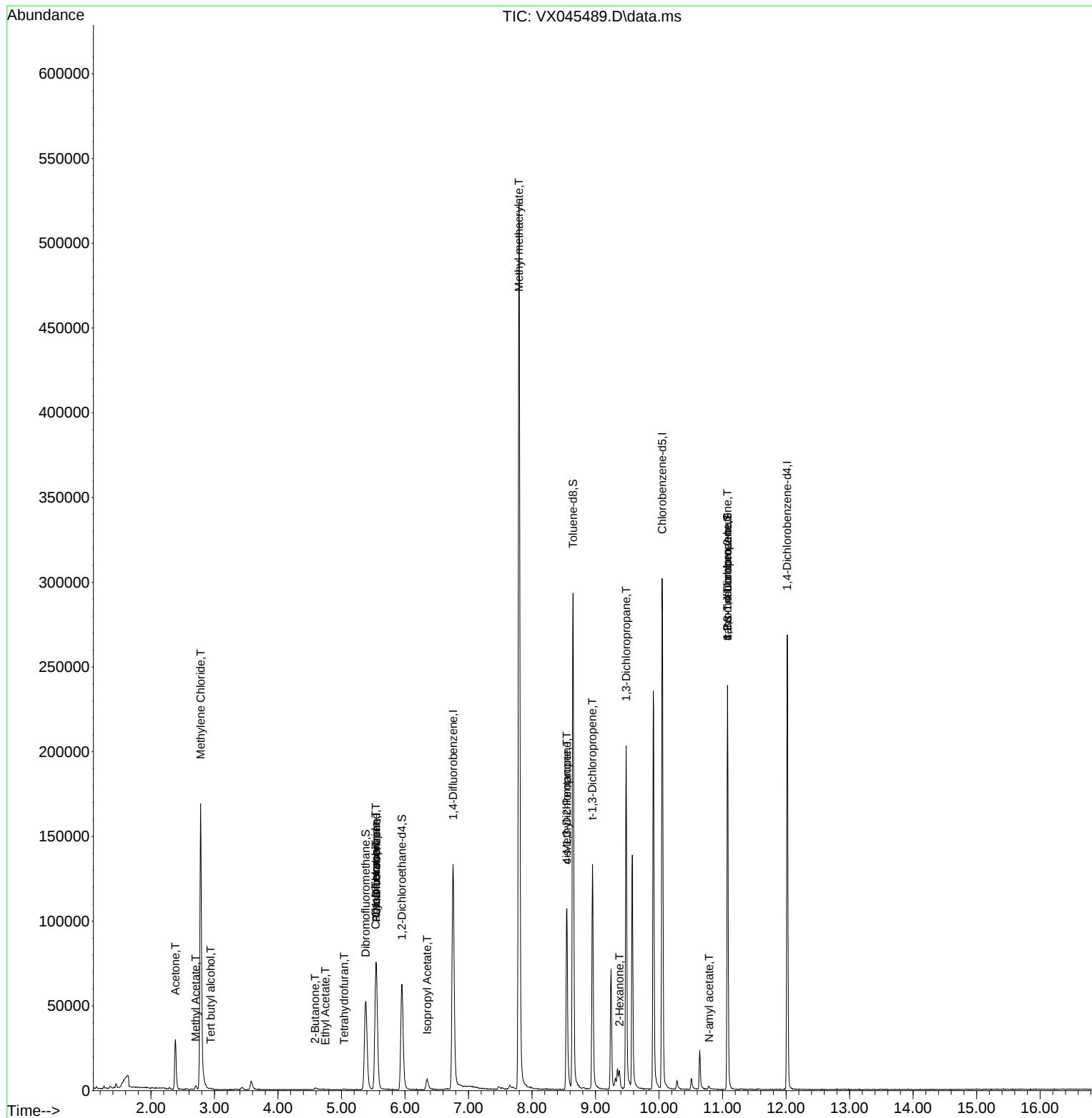
Internal Standards						
1) Pentafluorobenzene	5.550	168	64558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129481	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63011	61.361	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 122.720%	
35) Dibromofluoromethane	5.379	113	46056	53.194	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.380%	
50) Toluene-d8	8.647	98	166759	53.127	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.260%	
62) 4-Bromofluorobenzene	11.079	95	60642	58.303	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 116.600%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	470	2.416	ug/l #	73
16) Acetone	2.386	43	33087	69.446	ug/l	99
18) Methyl Acetate	2.703	43	3282	2.863	ug/l	91
20) Methylene Chloride	2.782	84	74308	78.734	ug/l	97
25) 2-Butanone	4.586	43	2835	3.953	ug/l #	80
29) Tetrahydrofuran	5.044	42	233	0.484	ug/l #	52
31) Cyclohexane	5.544	56	2028	1.452	ug/l #	49
36) 1,1-Dichloropropene	5.544	75	6248	5.262	ug/l #	49
37) Ethyl Acetate	4.745	43	328	0.214	ug/l #	70
38) Carbon Tetrachloride	5.537	117	7280	6.039	ug/l #	17
43) Isopropyl Acetate	6.348	43	9161	4.049	ug/l	97
48) Methyl methacrylate	7.793	41	51188	45.098	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	42067	27.692	ug/l #	52
53) t-1,3-Dichloropropene	8.952	75	304	0.272	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	16659	12.786	ug/l #	75
57) 1,3-Dichloropropane	9.482	76	1547	0.987	ug/l #	43
59) 2-Hexanone	9.378	43	11433	10.388	ug/l #	26
74) N-amyl acetate	10.787	43	1455	0.812	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	34816	30.576	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34816	104.635	ug/l #	6

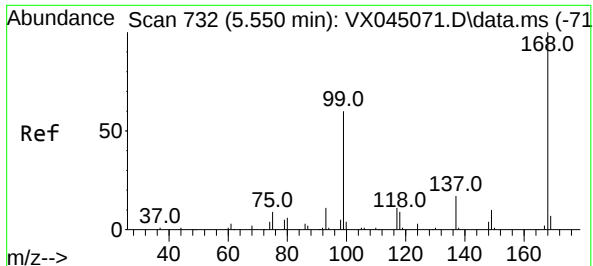
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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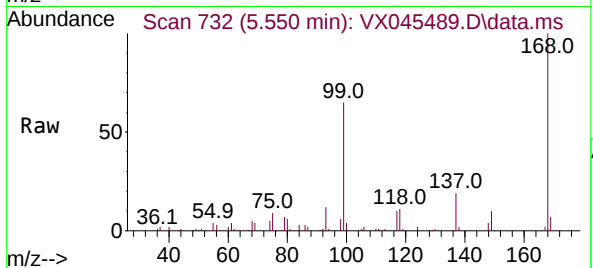
Quant Time: Mar 28 01:37:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



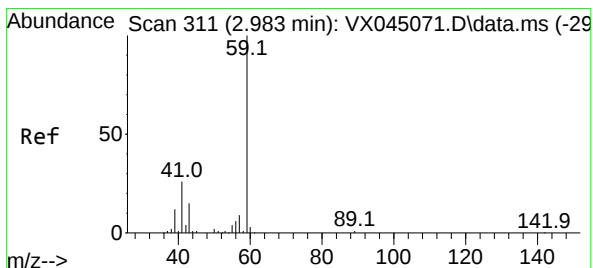
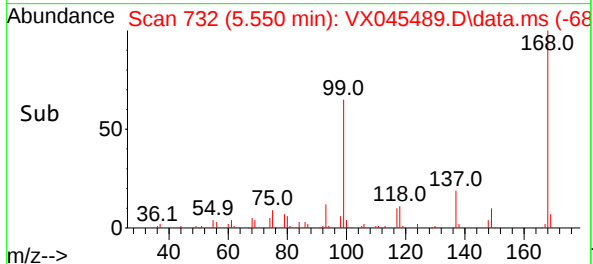
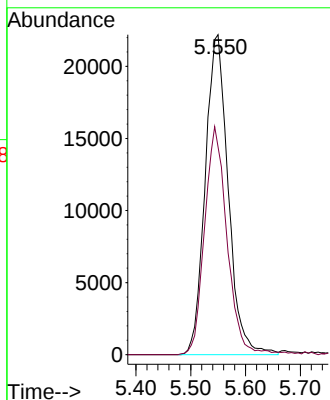


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045489.D
Acq: 27 Mar 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#13

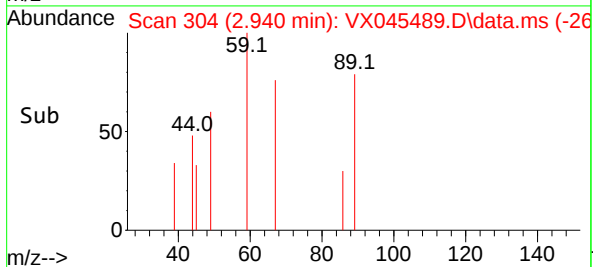
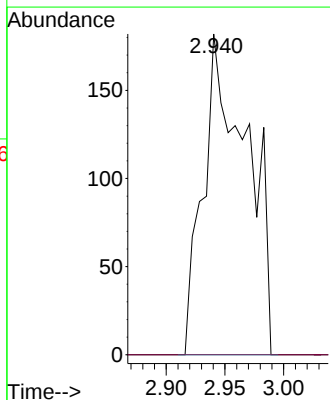
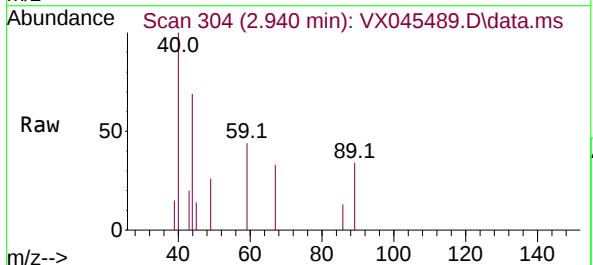


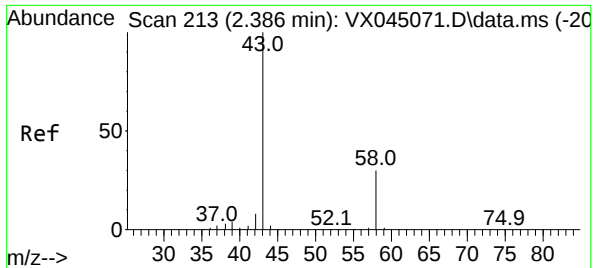
Tgt Ion:168 Resp: 64558
Ion Ratio Lower Upper
168 100
99 65.0 48.2 72.4



#11
Tert butyl alcohol
Concen: 2.416 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045489.D
Acq: 27 Mar 2025 19:50

Tgt Ion: 59 Resp: 470
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

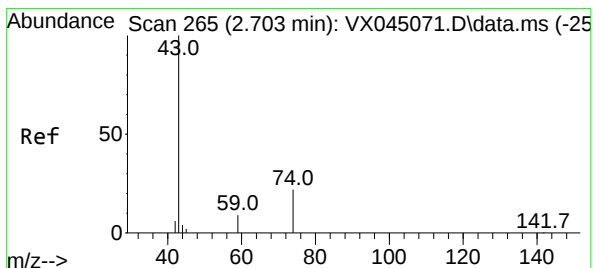
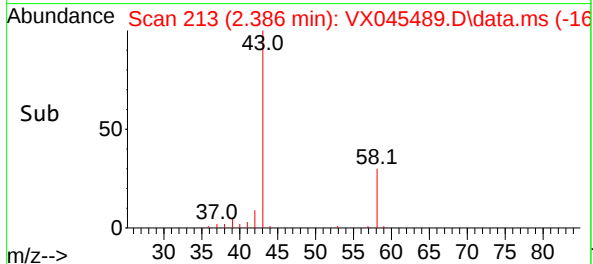
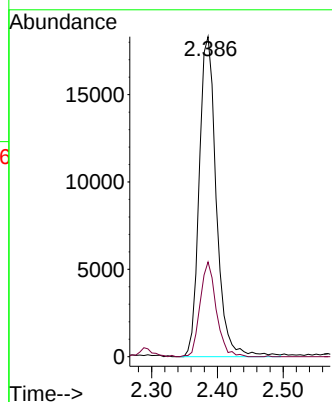
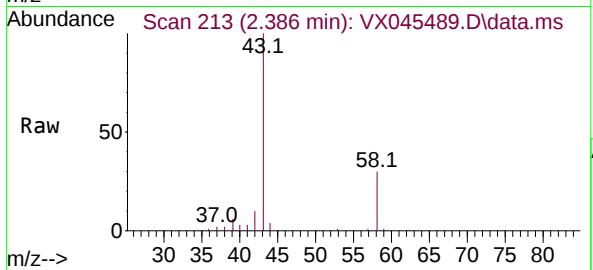




#16
Acetone
Concen: 69.446 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045489.D
Acq: 27 Mar 2025 19:50

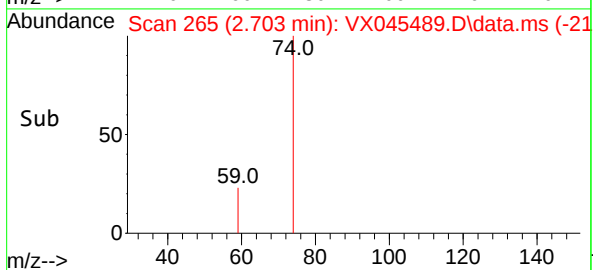
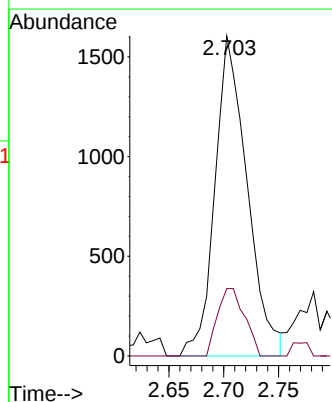
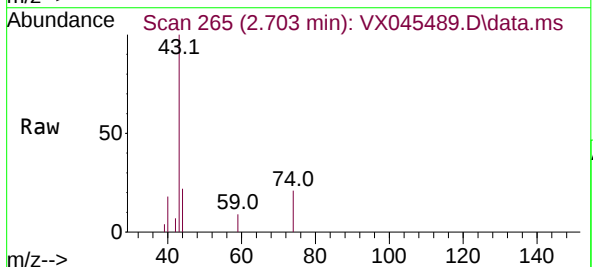
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#13

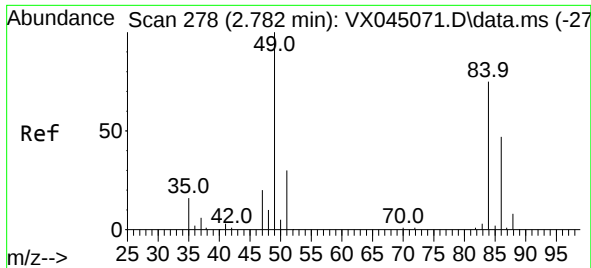
Tgt Ion: 43 Resp: 33087
Ion Ratio Lower Upper
43 100
58 29.6 24.2 36.4



#18
Methyl Acetate
Concen: 2.863 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045489.D
Acq: 27 Mar 2025 19:50

Tgt Ion: 43 Resp: 3282
Ion Ratio Lower Upper
43 100
74 17.6 17.4 26.2





#20

Methylene Chloride

Concen: 78.734 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX045489.D

Acq: 27 Mar 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

P167330ZHE#13

Tgt Ion: 84 Resp: 74308

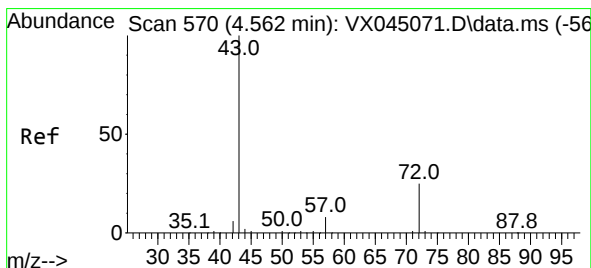
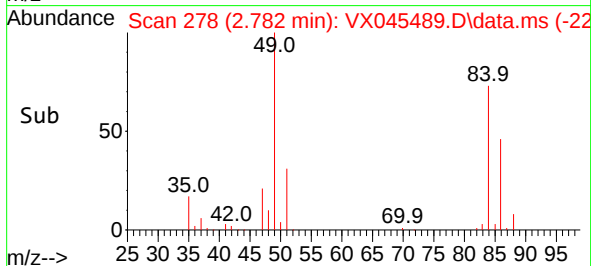
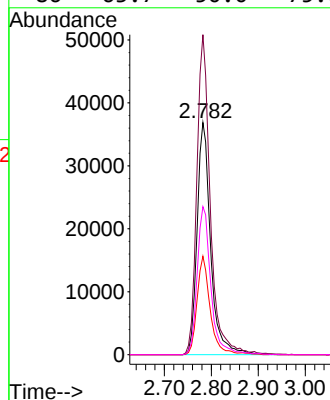
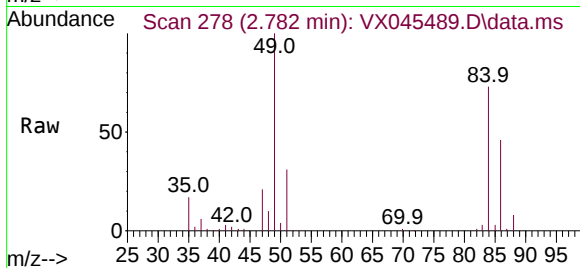
Ion Ratio Lower Upper

84 100

49 137.9 106.5 159.7

51 42.4 32.1 48.1

86 63.7 50.0 75.0



#25

2-Butanone

Concen: 3.953 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.024 min

Lab File: VX045489.D

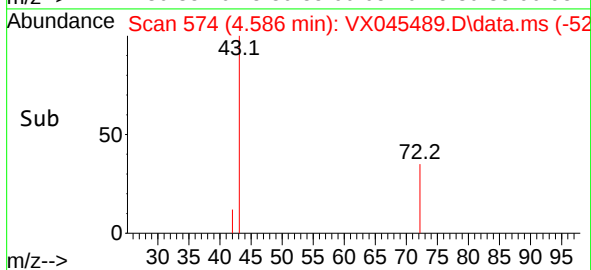
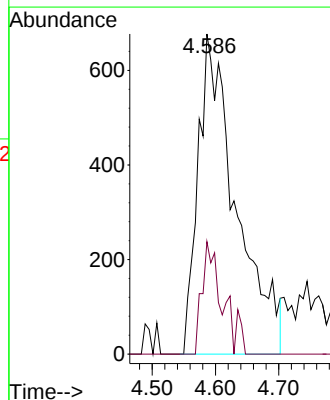
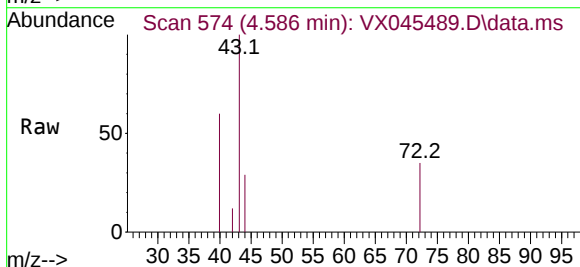
Acq: 27 Mar 2025 19:50

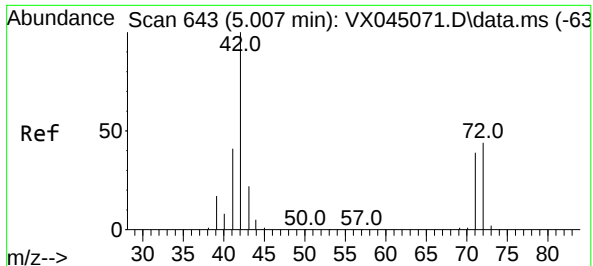
Tgt Ion: 43 Resp: 2835

Ion Ratio Lower Upper

43 100

72 35.2 20.0 30.0#





#29

Tetrahydrofuran

Concen: 0.484 ug/l

RT: 5.044 min Scan# 643

Delta R.T. 0.036 min

Lab File: VX045489.D

Acq: 27 Mar 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

P167330ZHE#13

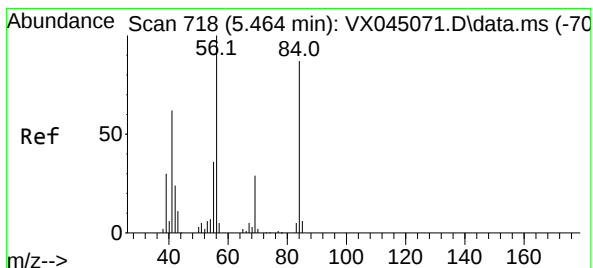
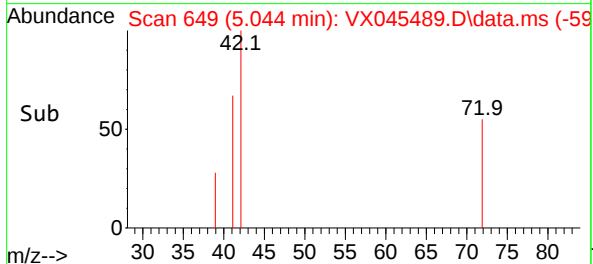
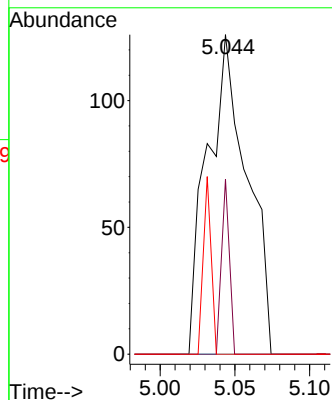
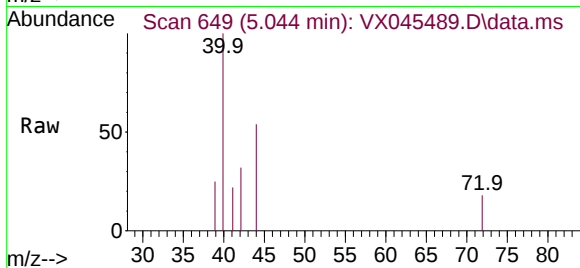
Tgt Ion: 42 Resp: 233

Ion Ratio Lower Upper

42 100

72 10.7 34.1 51.1#

71 11.2 31.4 47.0#



#31

Cyclohexane

Concen: 1.452 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045489.D

Acq: 27 Mar 2025 19:50

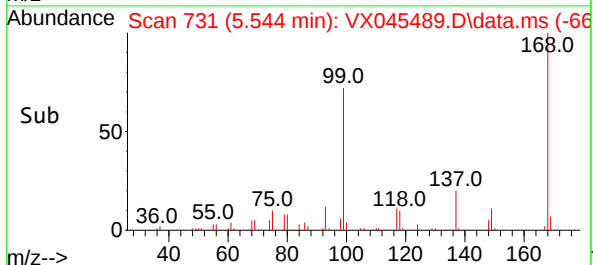
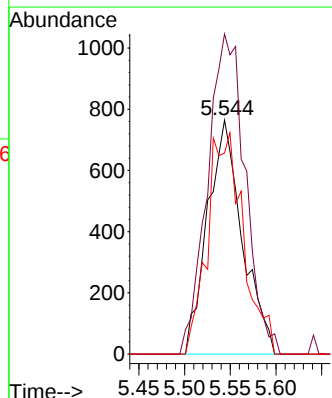
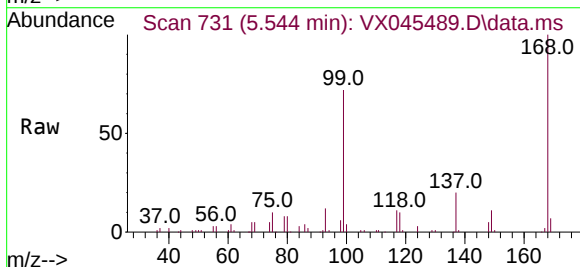
Tgt Ion: 56 Resp: 2028

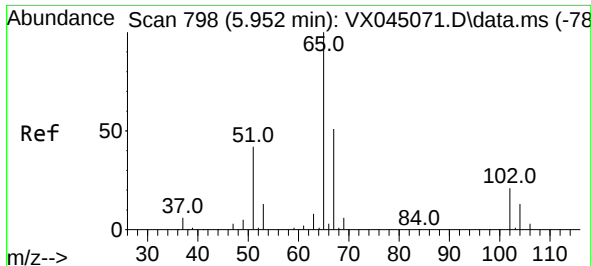
Ion Ratio Lower Upper

56 100

69 136.9 23.4 35.2#

84 86.0 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 61.361 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045489.D

Acq: 27 Mar 2025 19:50

Instrument :

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ClientSampleId :

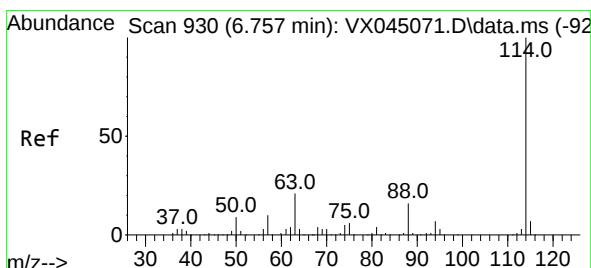
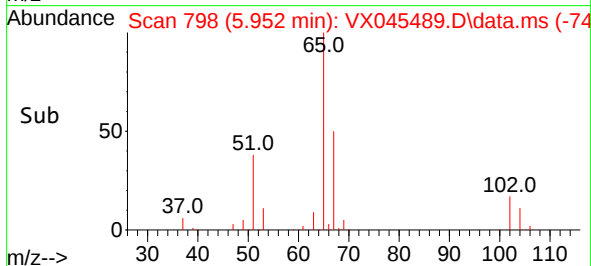
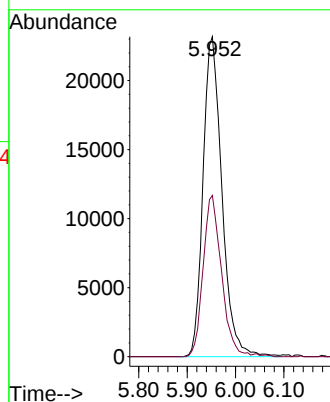
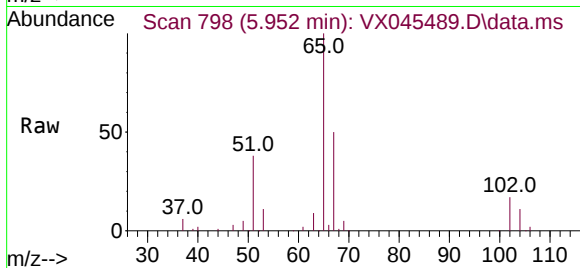
P167330ZHE#13

Tgt Ion: 65 Resp: 63011

Ion Ratio Lower Upper

65 100

67 49.3 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045489.D

Acq: 27 Mar 2025 19:50

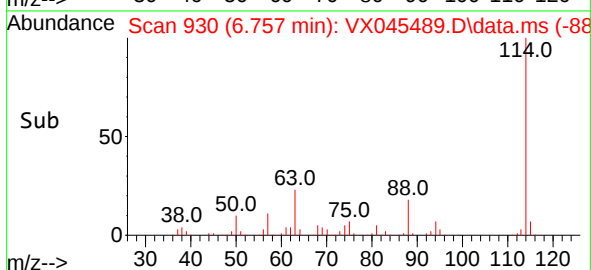
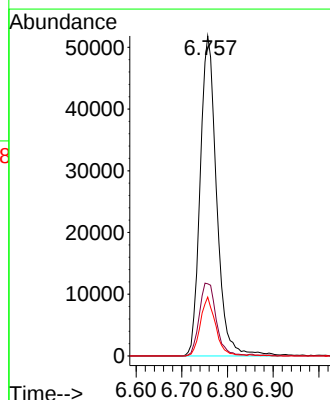
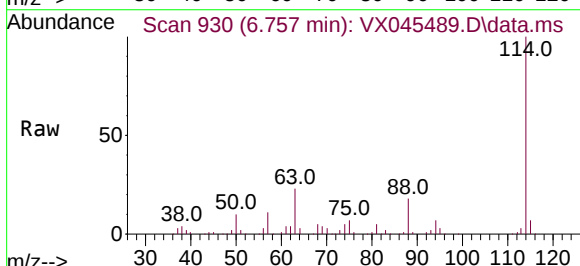
Tgt Ion: 114 Resp: 129481

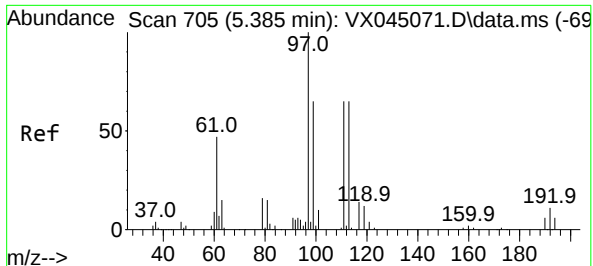
Ion Ratio Lower Upper

114 100

63 22.5 0.0 41.8

88 18.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 53.194 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX045489.D

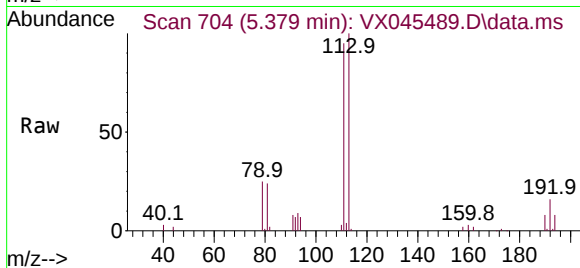
Acq: 27 Mar 2025 19:50

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MSVOA_X

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P167330ZHE#13



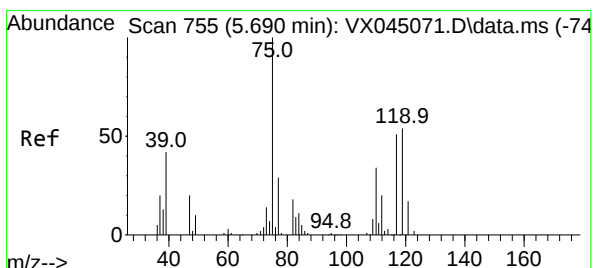
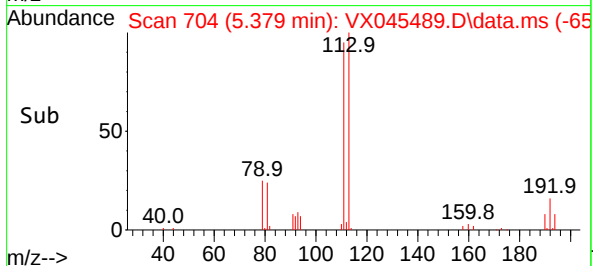
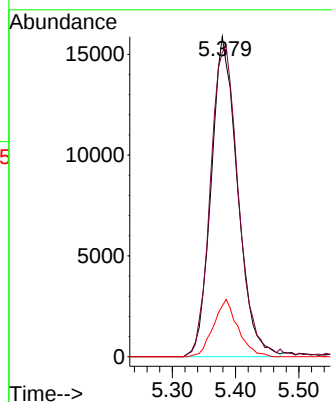
Tgt Ion:113 Resp: 46056

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.6

192 16.5 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.262 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX045489.D

Acq: 27 Mar 2025 19:50

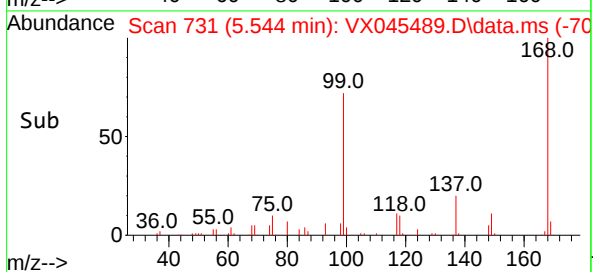
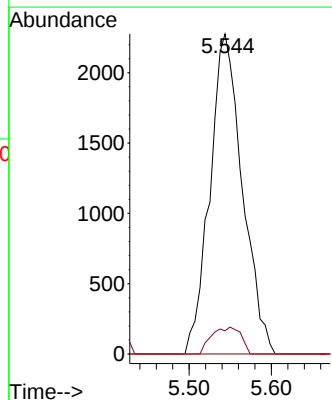
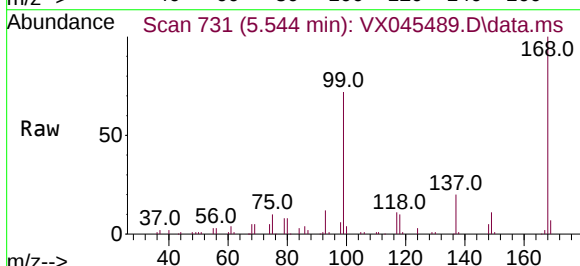
Tgt Ion: 75 Resp: 6248

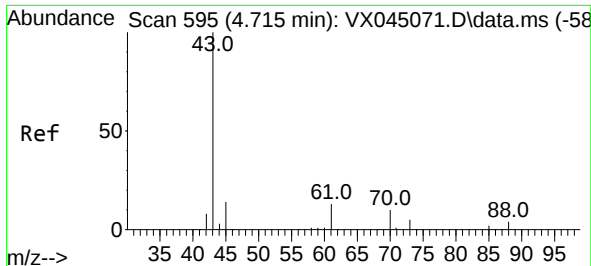
Ion Ratio Lower Upper

75 100

110 7.6 16.9 50.6#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 0.214 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.030 min

Lab File: VX045489.D

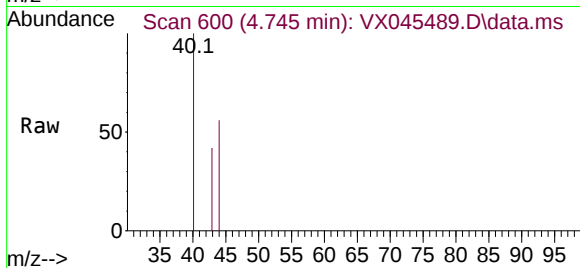
Acq: 27 Mar 2025 19:50

Instrument :

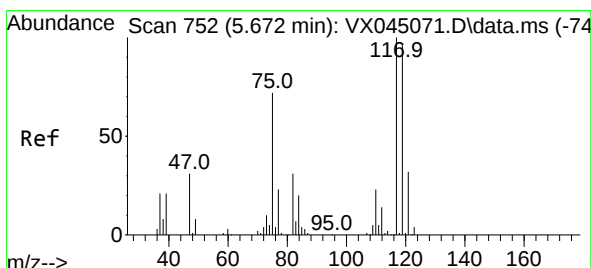
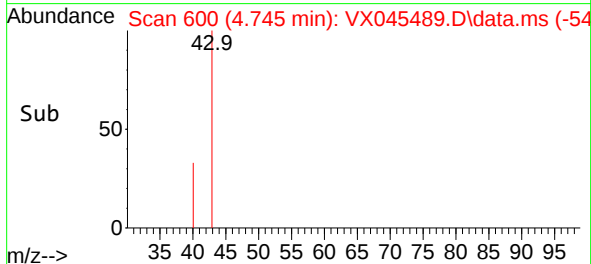
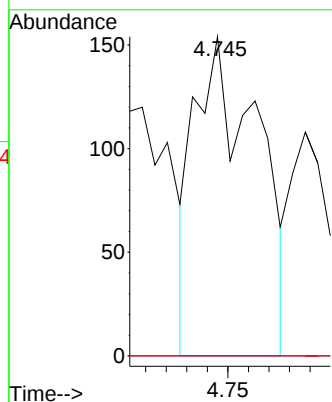
MSVOA_X

ClientSampleId :

P167330ZHE#13



Tgt Ion: 43	Resp:	328
Ion	Ratio	Lower Upper
43	100	
61	0.0	10.8 16.2#
70	0.0	7.7 11.5#



#38

Carbon Tetrachloride

Concen: 6.039 ug/l

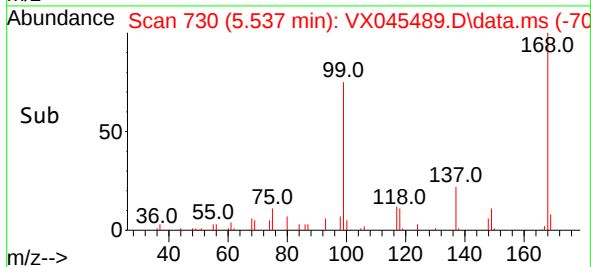
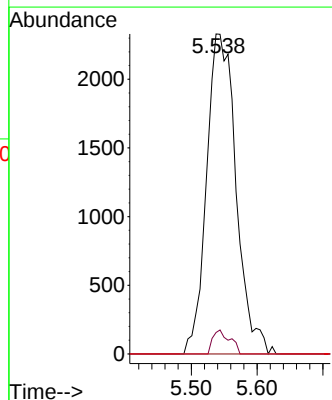
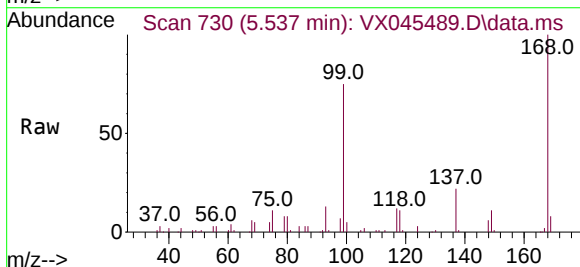
RT: 5.537 min Scan# 730

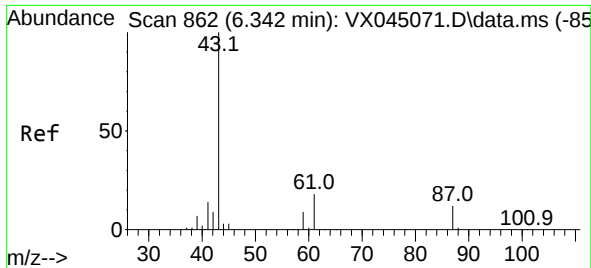
Delta R.T. -0.134 min

Lab File: VX045489.D

Acq: 27 Mar 2025 19:50

Tgt Ion: 117	Resp:	7280
Ion	Ratio	Lower Upper
117	100	
119	6.7	76.7 115.1#
121	0.0	25.5 38.3#

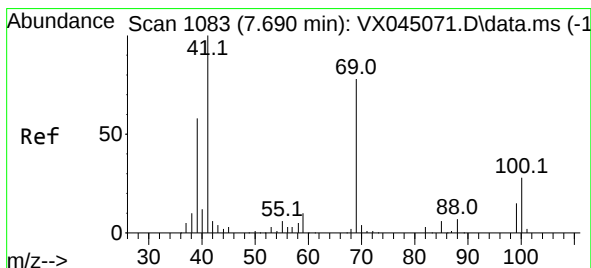
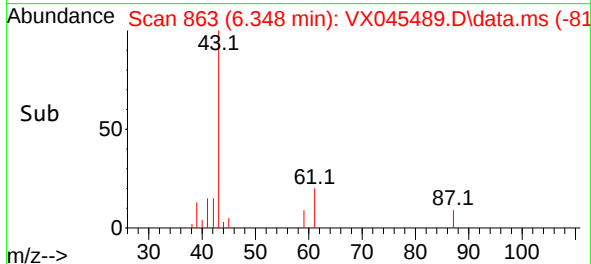
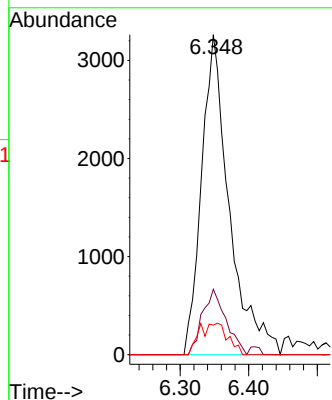
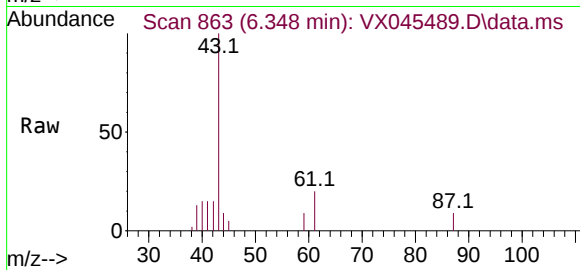




#43
Isopropyl Acetate
Concen: 4.049 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX045489.D
Acq: 27 Mar 2025 19:50

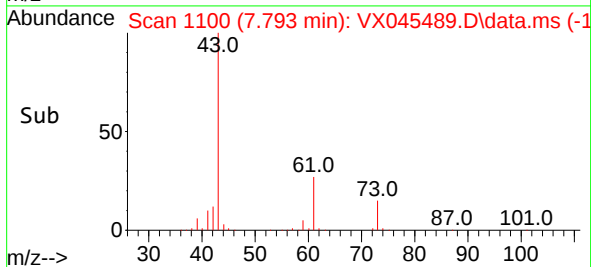
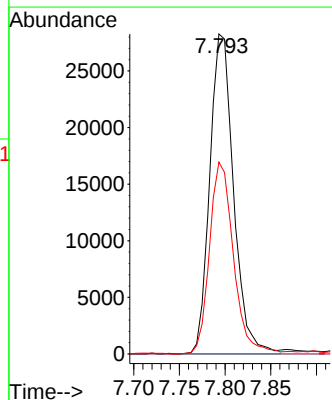
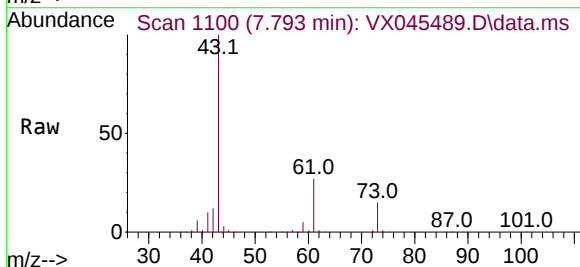
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#13

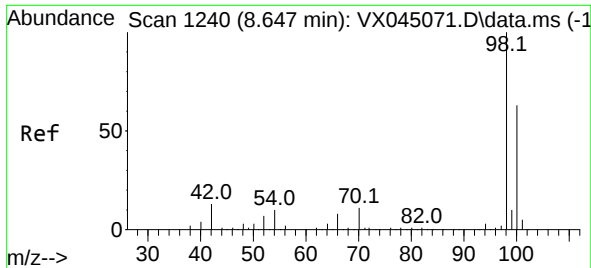
Tgt Ion: 43 Resp: 9161
Ion Ratio Lower Upper
43 100
61 17.4 14.9 22.3
87 10.1 9.4 14.2



#48
Methyl methacrylate
Concen: 45.098 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045489.D
Acq: 27 Mar 2025 19:50

Tgt Ion: 41 Resp: 51188
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 60.5 47.5 71.3

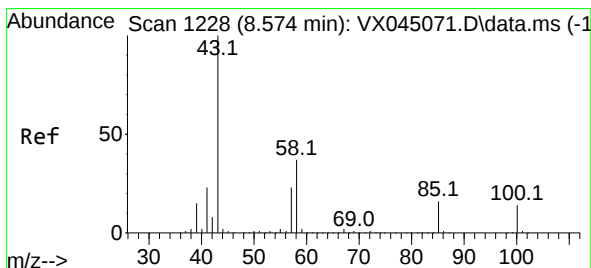
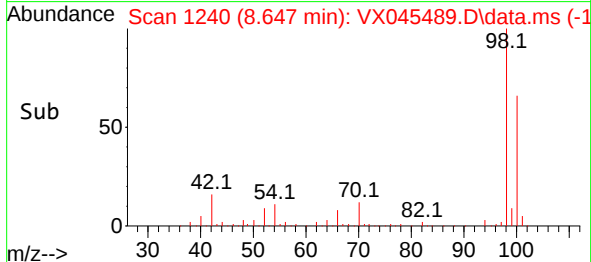
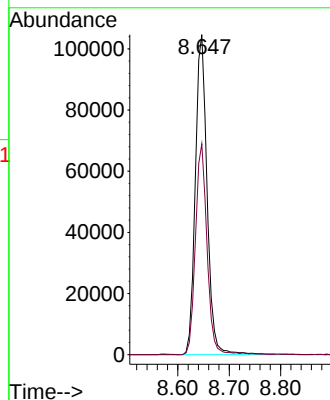
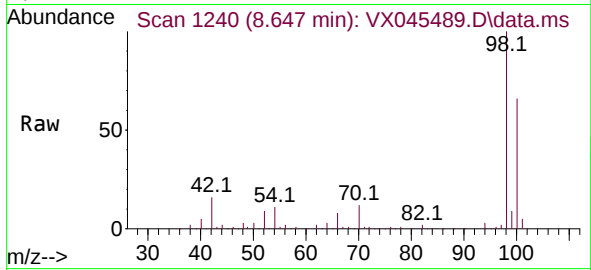




#50
Toluene-d8
Concen: 53.127 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045489.D
Acq: 27 Mar 2025 19:50

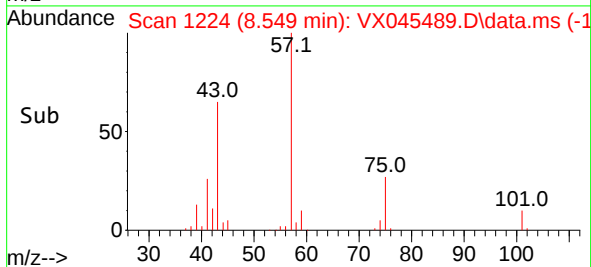
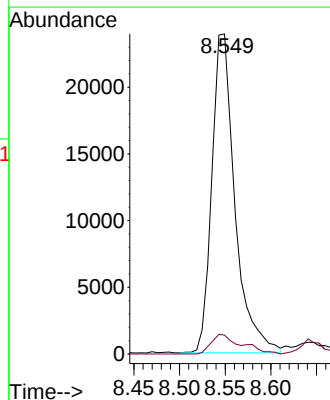
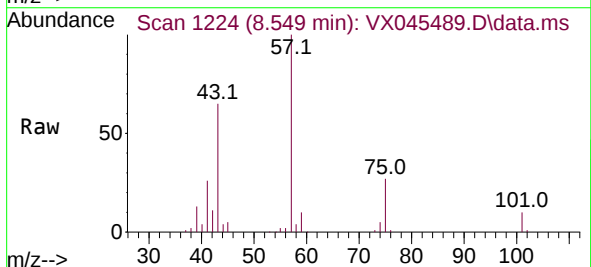
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#13

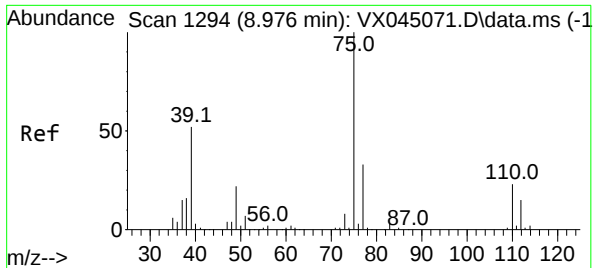
Tgt Ion: 98 Resp: 166759
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 27.692 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX045489.D
Acq: 27 Mar 2025 19:50

Tgt Ion: 43 Resp: 42067
Ion Ratio Lower Upper
43 100
58 8.0 29.2 43.8#

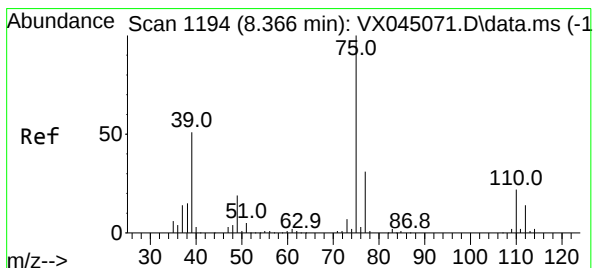
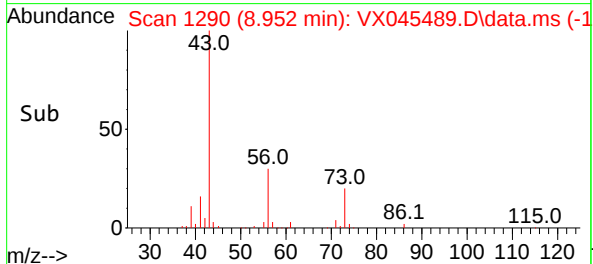
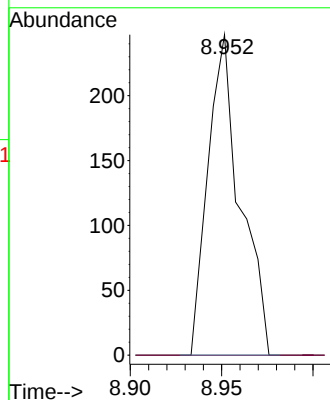
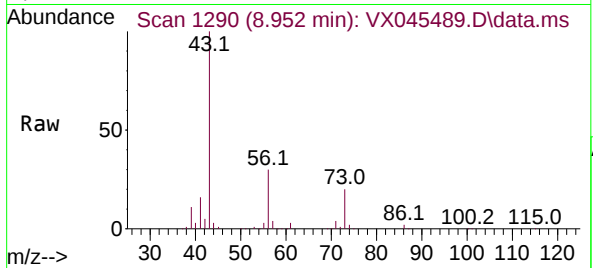




#53
 t-1,3-Dichloropropene
 Concen: 0.272 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.025 min
 Lab File: VX045489.D
 Acq: 27 Mar 2025 19:50

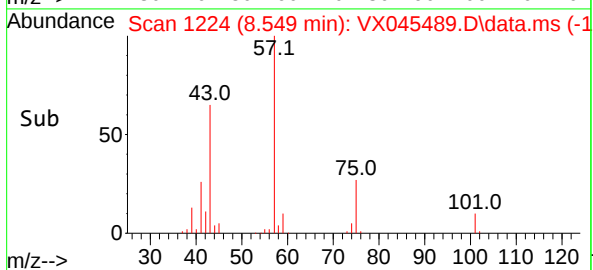
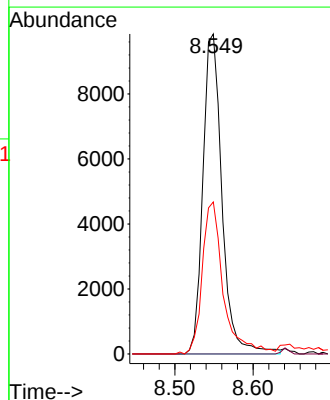
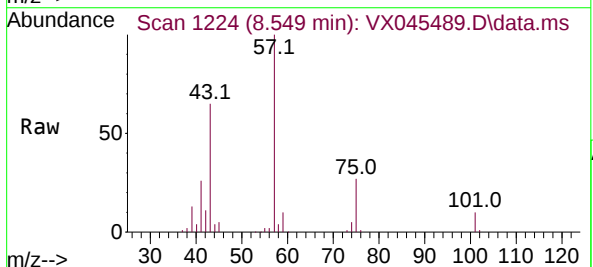
Instrument :
 MSVOA_X
 ClientSampleId :
 P167330ZHE#13

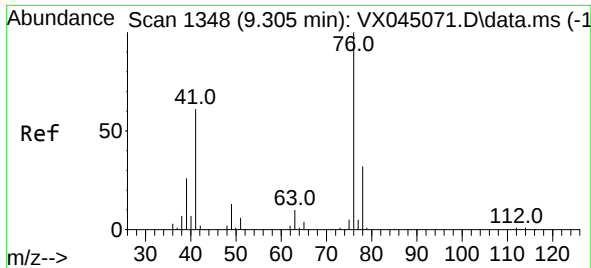
Tgt Ion: 75 Resp: 304
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.5 39.7#



#54
 cis-1,3-Dichloropropene
 Concen: 12.786 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX045489.D
 Acq: 27 Mar 2025 19:50

Tgt Ion: 75 Resp: 16659
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.7 37.1#
 39 46.9 40.7 61.1





#57

1,3-Dichloropropane

Concen: 0.987 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX045489.D

Acq: 27 Mar 2025 19:50

Instrument :

MSVOA_X

ClientSampleId :

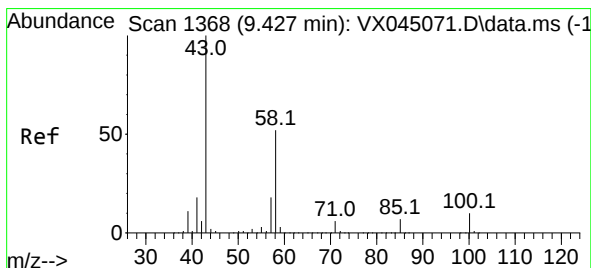
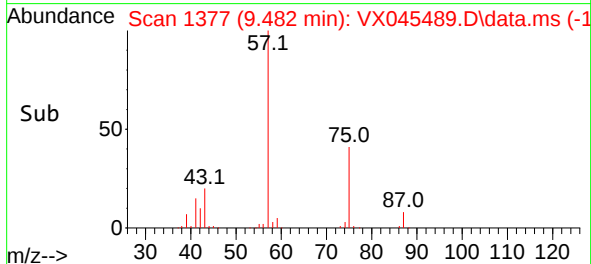
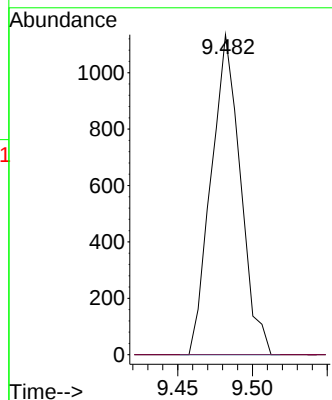
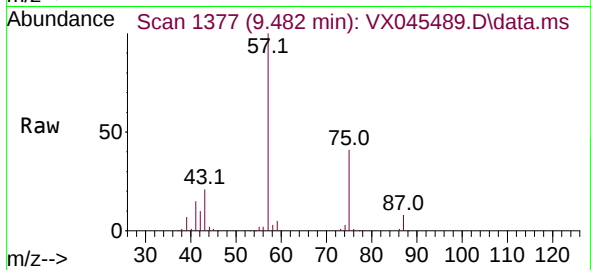
P167330ZHE#13

Tgt Ion: 76 Resp: 1547

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 10.388 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045489.D

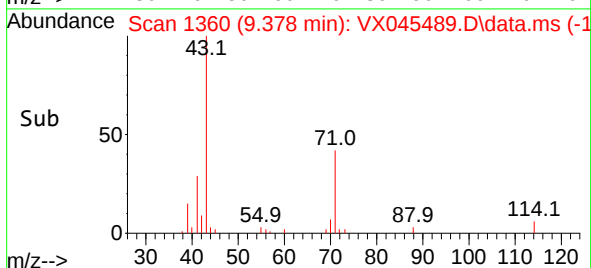
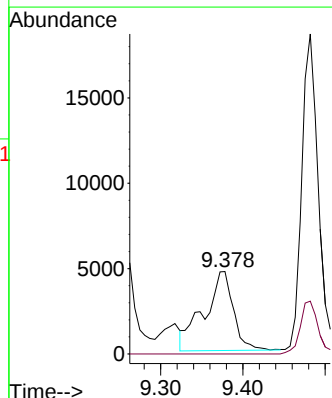
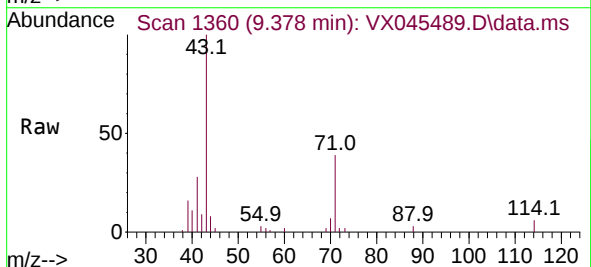
Acq: 27 Mar 2025 19:50

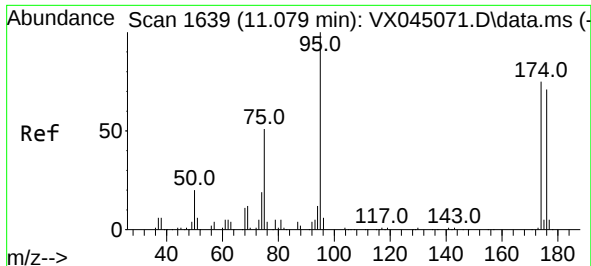
Tgt Ion: 43 Resp: 11433

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.6#

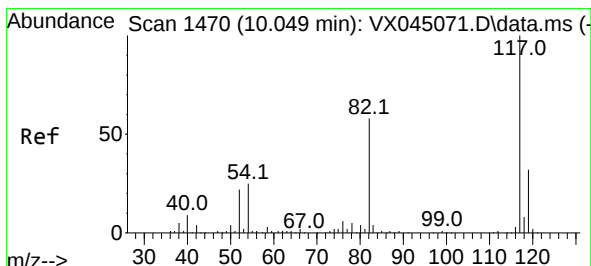
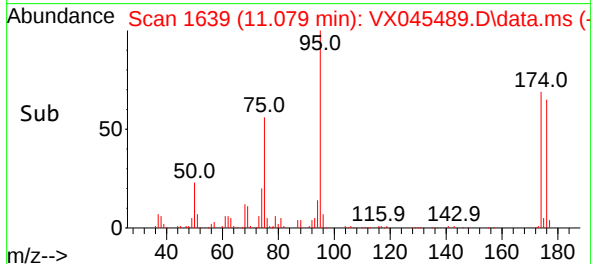
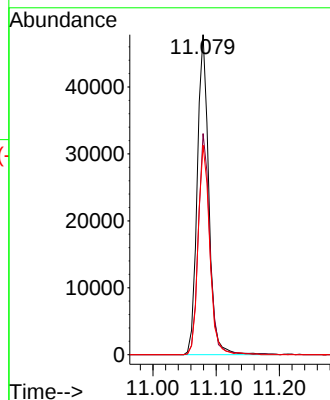
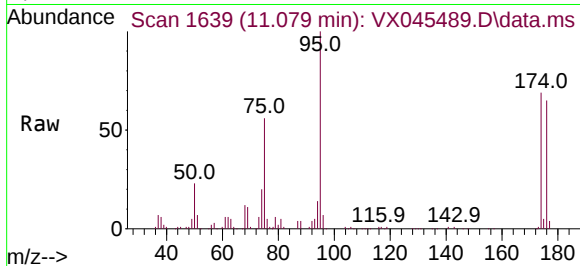




#62
4-Bromofluorobenzene
Concen: 58.303 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045489.D
Acq: 27 Mar 2025 19:50

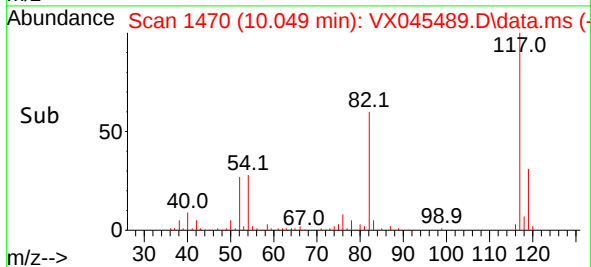
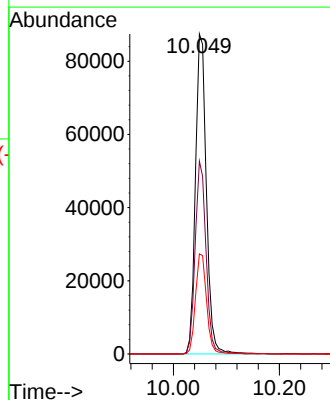
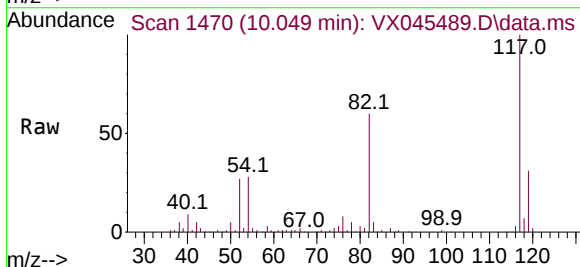
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#13

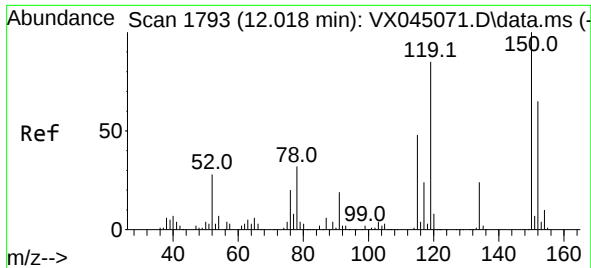
Tgt Ion: 95 Resp: 60642
Ion Ratio Lower Upper
95 100
174 69.0 0.0 148.2
176 66.1 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045489.D
Acq: 27 Mar 2025 19:50

Tgt Ion: 117 Resp: 124901
Ion Ratio Lower Upper
117 100
82 60.3 46.3 69.5
119 31.3 25.7 38.5

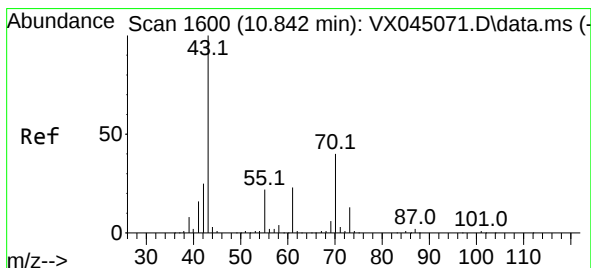
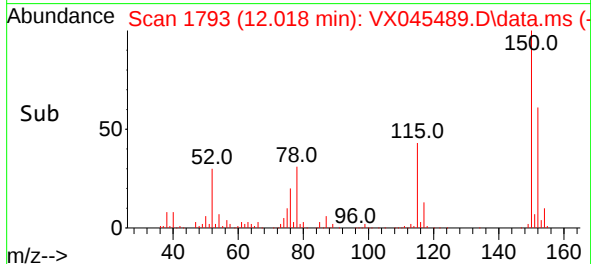
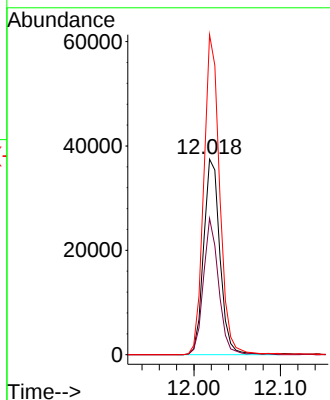
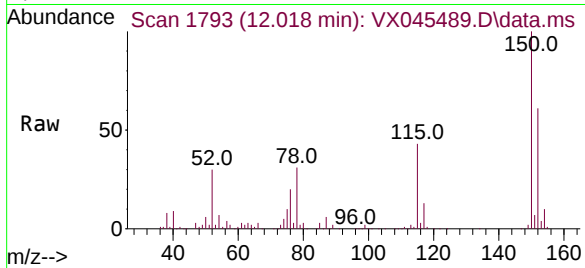




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045489.D
Acq: 27 Mar 2025 19:50

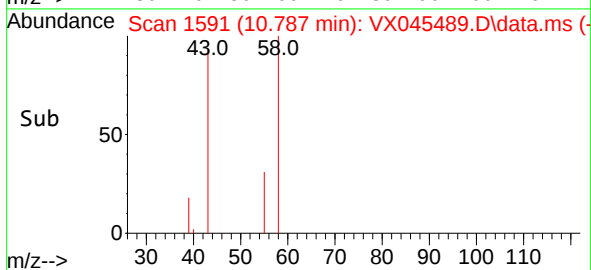
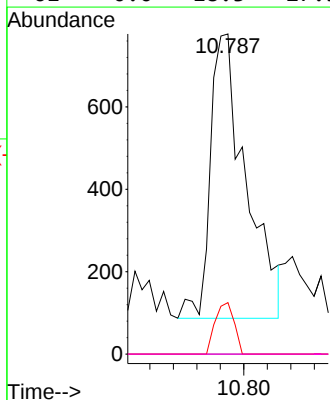
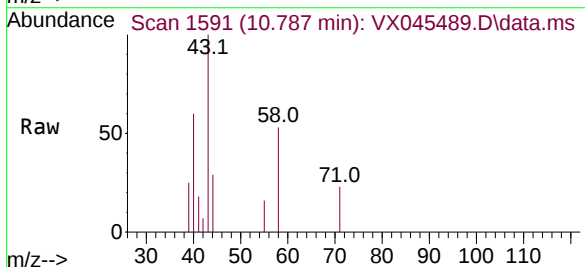
Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#13

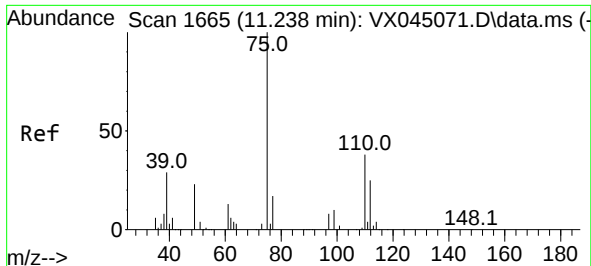
Tgt Ion:152 Resp: 48923
Ion Ratio Lower Upper
152 100
115 65.2 44.2 132.6
150 159.1 0.0 349.0



#74
N-ethyl acetate
Concen: 0.812 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. -0.055 min
Lab File: VX045489.D
Acq: 27 Mar 2025 19:50

Tgt Ion: 43 Resp: 1455
Ion Ratio Lower Upper
43 100
70 0.0 31.8 47.6#
55 9.6 18.3 27.5#
61 0.0 18.3 27.5#

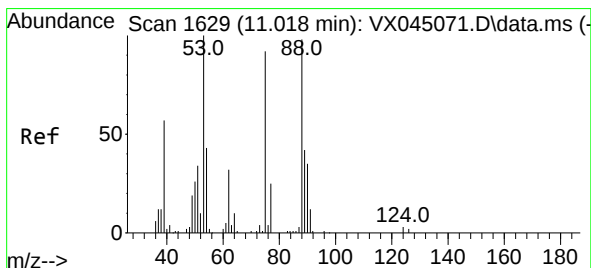
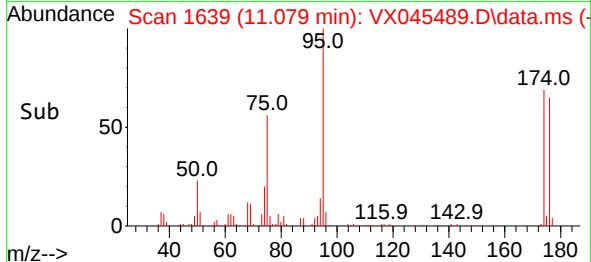
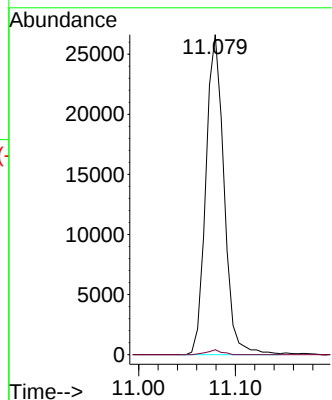
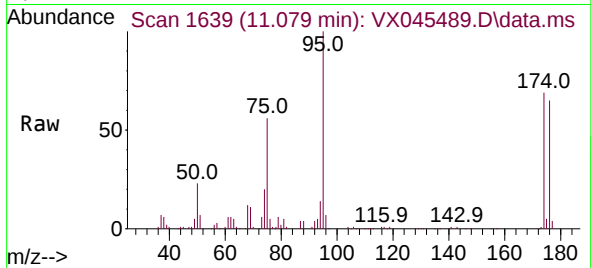




#76
1,2,3-Trichloropropane
Concen: 30.576 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045489.D
Acq: 27 Mar 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
P167330ZHE#13

Tgt Ion: 75 Resp: 34816
Ion Ratio Lower Upper
75 100
77 1.3 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.635 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045489.D
Acq: 27 Mar 2025 19:50

Tgt Ion: 75 Resp: 34816
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

