

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122324\
 Data File : VX044487.D
 Acq On : 23 Dec 2024 17:54
 Operator : JC/MD
 Sample : P5317-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-04-20241216

Quant Time: Dec 23 22:14:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

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

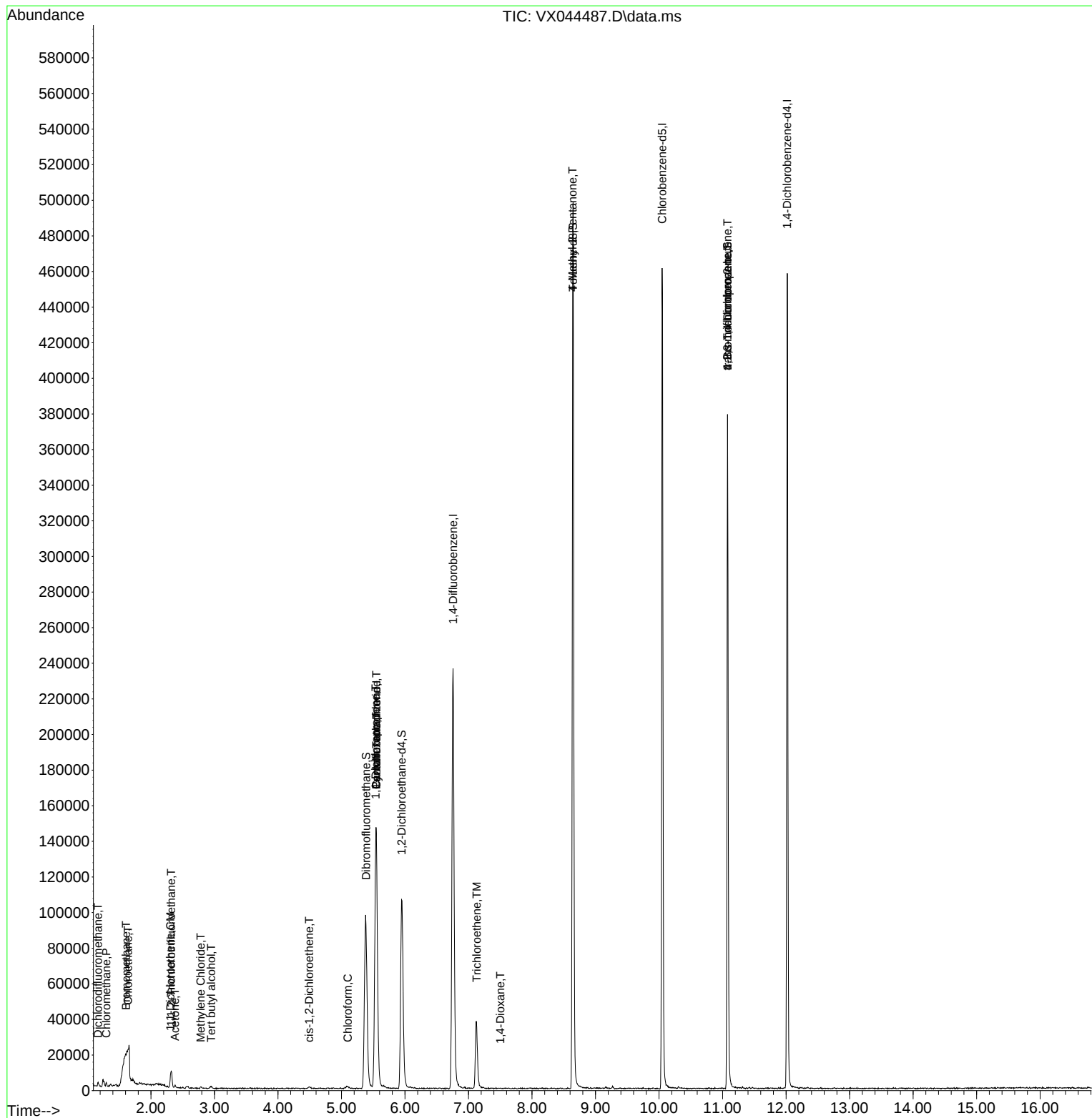
Internal Standards						
1) Pentafluorobenzene	5.550	168	141229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	244942	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	208216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	105913	42.772	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.540%
35) Dibromofluoromethane	5.385	113	82591	48.685	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.360%
50) Toluene-d8	8.647	98	300884	52.572	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.140%
62) 4-Bromofluorobenzene	11.079	95	96839	48.423	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1508	0.691	ug/l	97
3) Chloromethane	1.295	50	1090	0.522	ug/l	93
5) Bromomethane	1.605	94	698	0.452	ug/l	87
6) Chloroethane	1.636	64	482	0.356	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	2977	1.727	ug/l	95
11) Tert butyl alcohol	2.947	59	376	1.077	ug/l #	71
12) 1,1-Dichloroethene	2.307	96	1007	0.636	ug/l #	76
16) Acetone	2.380	43	1142	1.131	ug/l #	88
20) Methylene Chloride	2.782	84	446	0.235	ug/l	89
27) cis-1,2-Dichloroethene	4.489	96	639	0.299	ug/l	77
30) Chloroform	5.099	83	1276	0.343	ug/l #	77
31) Cyclohexane	5.550	56	3529	1.320	ug/l #	49
36) 1,1-Dichloropropene	5.538	75	11935	5.443	ug/l #	41
38) Carbon Tetrachloride	5.550	117	14624	6.194	ug/l #	19
44) Trichloroethene	7.129	130	16176	9.743	ug/l	81
49) 1,4-Dioxane	7.501	88	19	0.557	ug/l #	32
51) 4-Methyl-2-Pentanone	8.641	43	1474	0.541	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	52897	25.555	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	52897	70.636	ug/l #	4

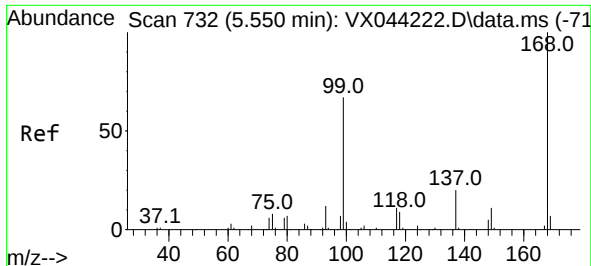
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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DUP-04-20241216

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

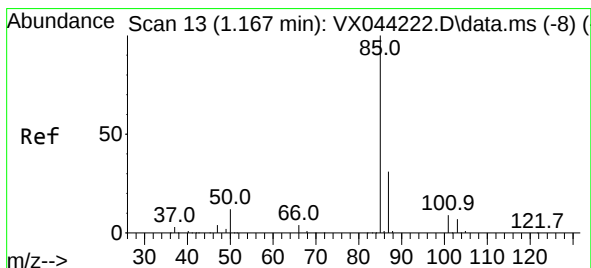
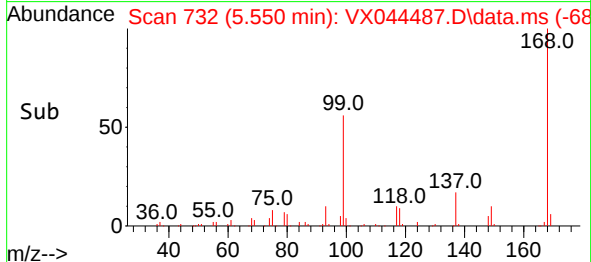
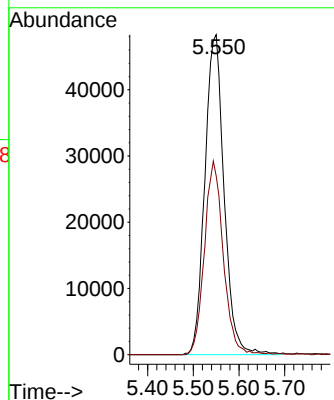
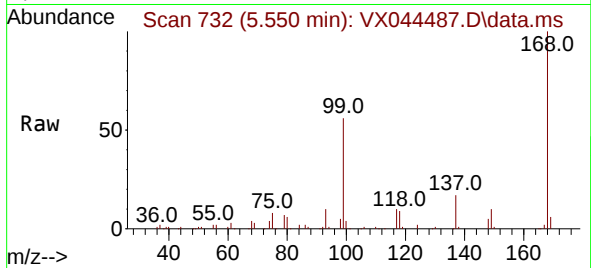




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

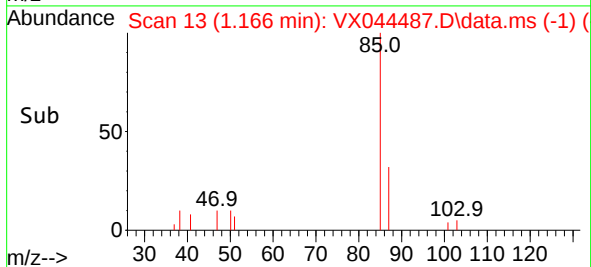
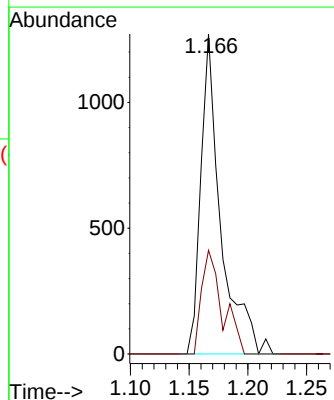
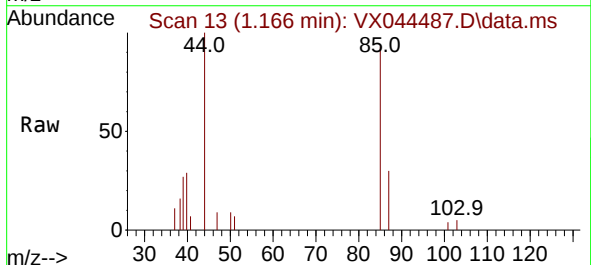
Instrument :
MSVOA_X
ClientSampleId :
DUP-04-20241216

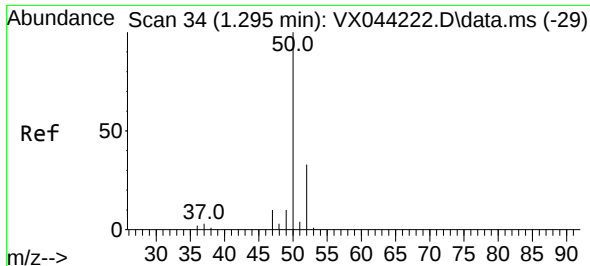
Tgt Ion:168 Resp: 141229
Ion Ratio Lower Upper
168 100
99 55.8 53.4 80.0



#2
Dichlorodifluoromethane
Concen: 0.691 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

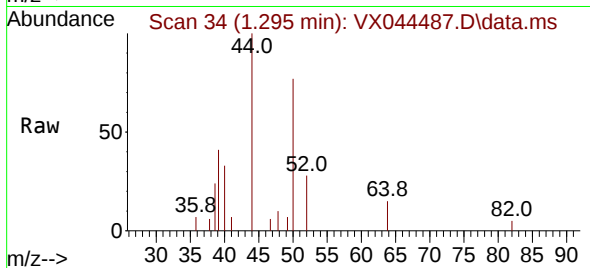
Tgt Ion: 85 Resp: 1508
Ion Ratio Lower Upper
85 100
87 32.4 15.4 46.4



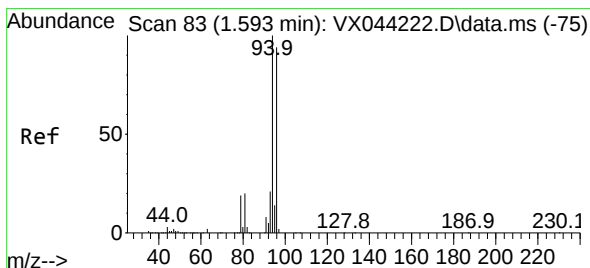
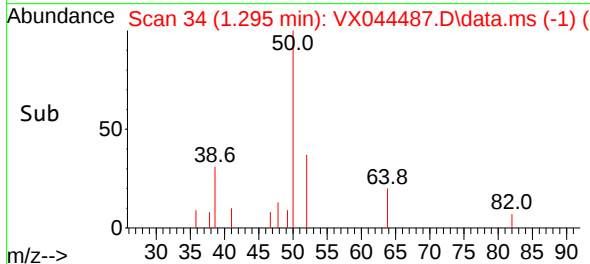
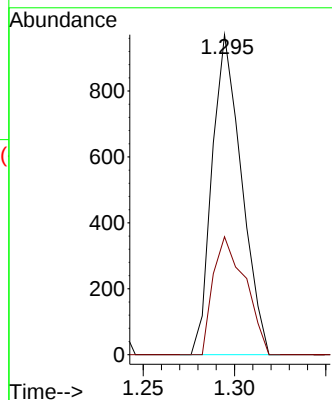


#3
Chloromethane
Concen: 0.522 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Instrument :
MSVOA_X
ClientSampleId :
DUP-04-20241216

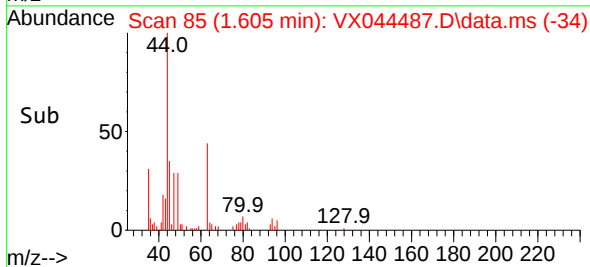
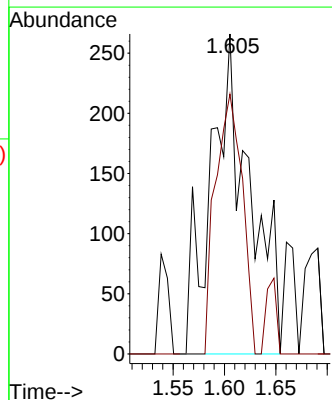
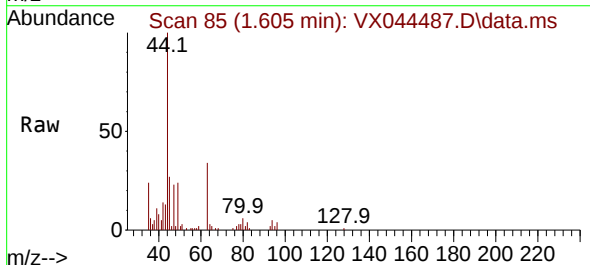


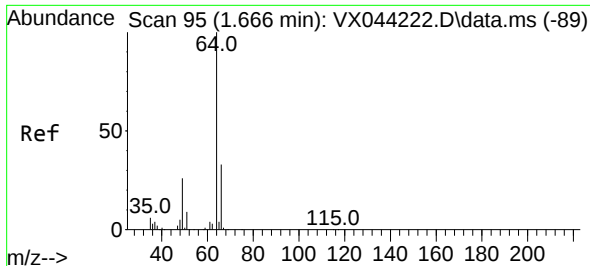
Tgt Ion: 50 Resp: 1090
Ion Ratio Lower Upper
50 100
52 36.9 26.5 39.7



#5
Bromomethane
Concen: 0.452 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 94 Resp: 698
Ion Ratio Lower Upper
94 100
96 81.2 74.9 112.3

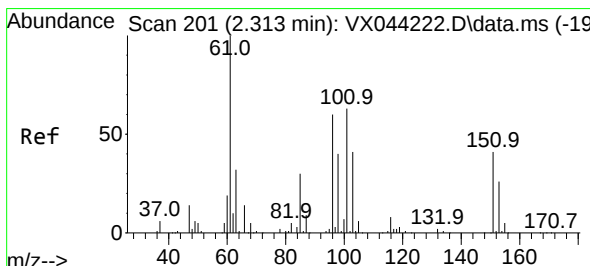
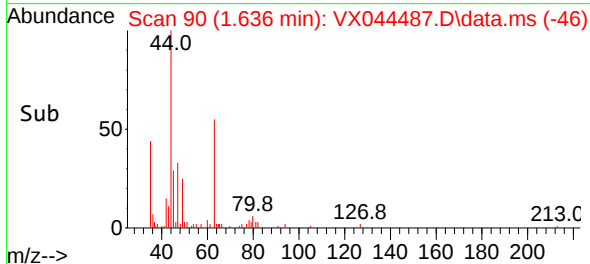
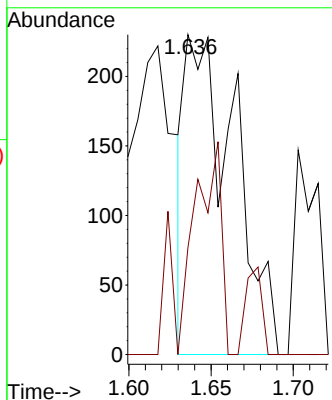
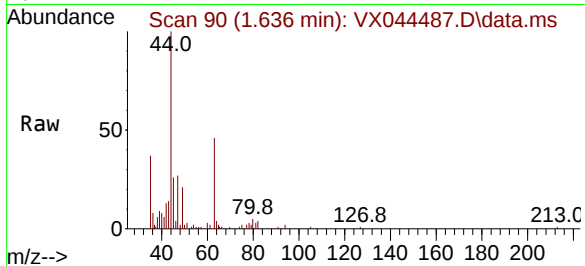




#6
Chloroethane
Concen: 0.356 ug/l
RT: 1.636 min Scan# 90
Delta R.T. -0.031 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

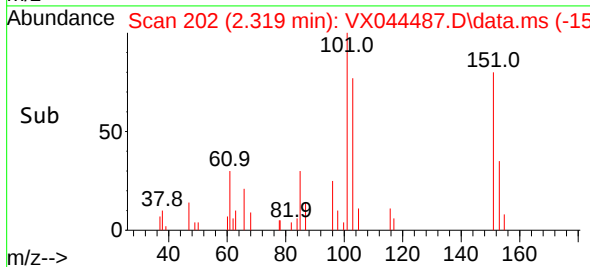
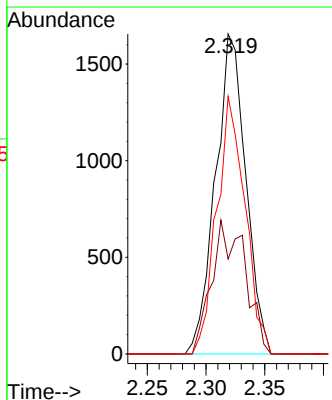
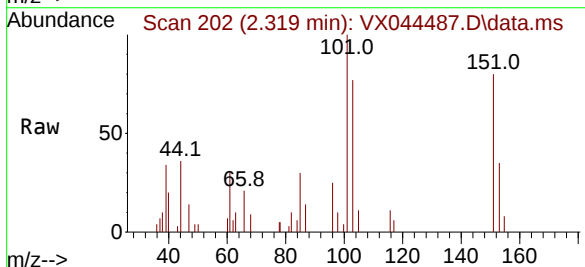
Instrument :
MSVOA_X
ClientSampleId :
DUP-04-20241216

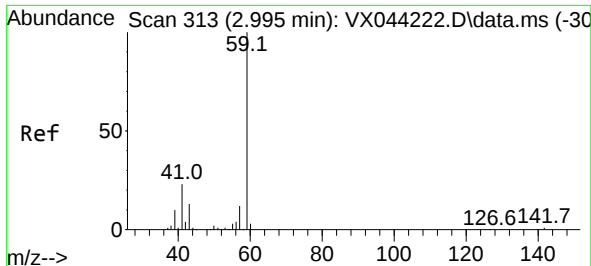
Tgt Ion: 64 Resp: 482
Ion Ratio Lower Upper
64 100
66 33.5 26.6 39.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.727 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 101 Resp: 2977
Ion Ratio Lower Upper
101 100
85 46.3 38.5 57.7
151 75.1 55.8 83.6

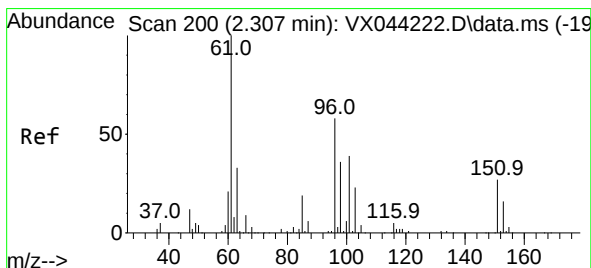
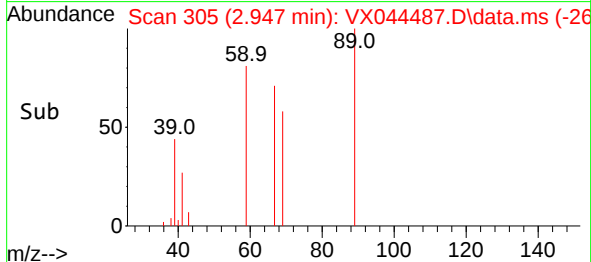
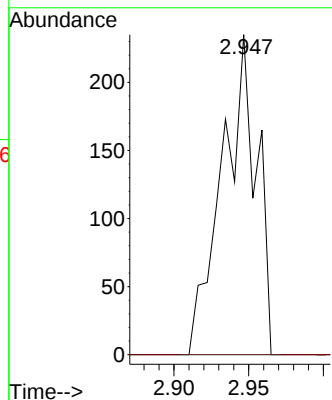
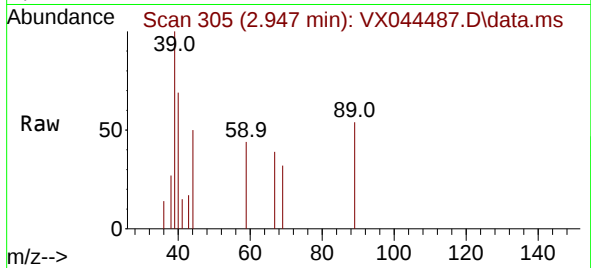




#11
Tert butyl alcohol
Concen: 1.077 ug/l
RT: 2.947 min Scan# 30
Delta R.T. -0.049 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

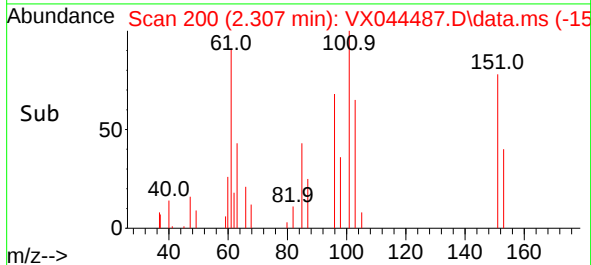
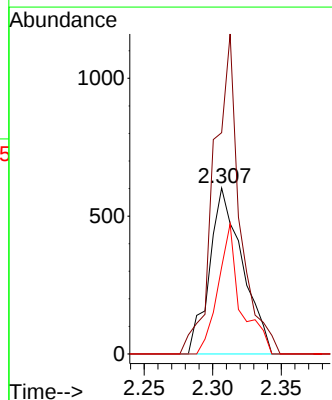
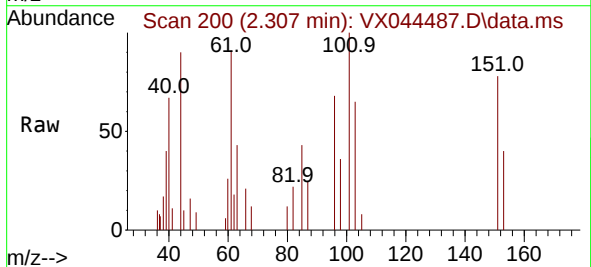
Instrument :
MSVOA_X
ClientSampleId :
DUP-04-20241216

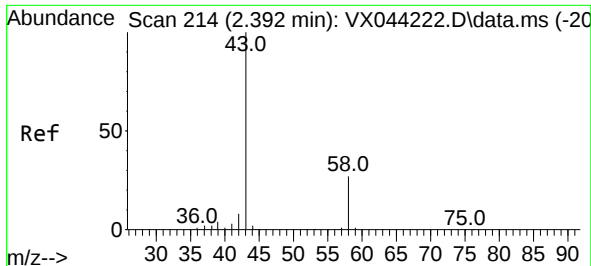
Tgt Ion: 59 Resp: 376
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 0.636 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 96 Resp: 1007
Ion Ratio Lower Upper
96 100
61 133.4 138.0 207.0#
98 52.3 50.0 75.0





#16

Acetone

Concen: 1.131 ug/l

RT: 2.380 min Scan# 214

Delta R.T. -0.012 min

Lab File: VX044487.D

Acq: 23 Dec 2024 17:54

Instrument :

MSVOA_X

ClientSampleId :

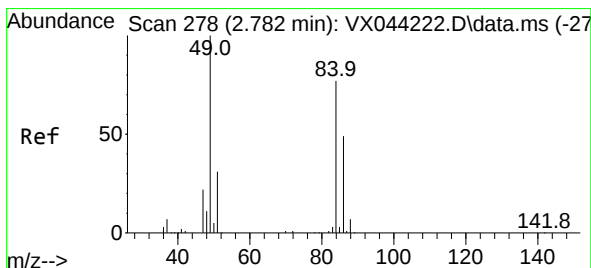
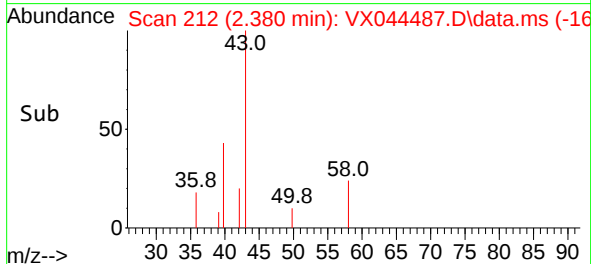
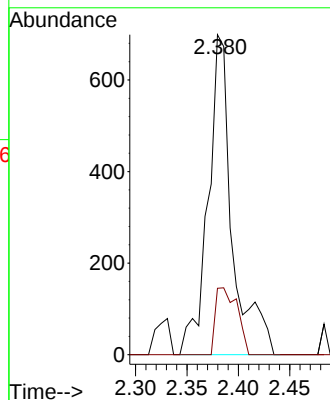
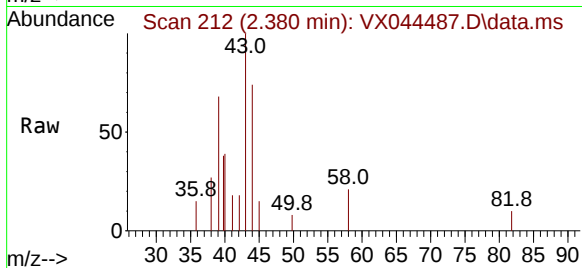
DUP-04-20241216

Tgt Ion: 43 Resp: 1142

Ion Ratio Lower Upper

43 100

58 20.7 21.6 32.4#



#20

Methylene Chloride

Concen: 0.235 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX044487.D

Acq: 23 Dec 2024 17:54

Tgt Ion: 84 Resp: 446

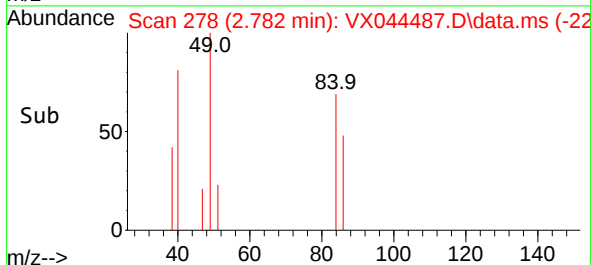
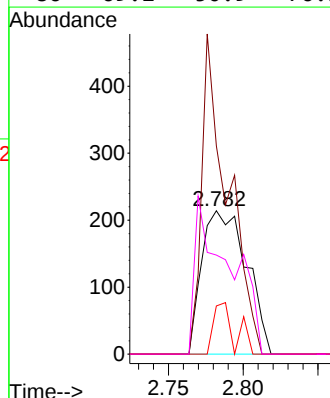
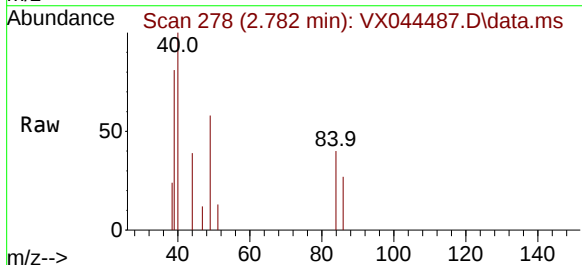
Ion Ratio Lower Upper

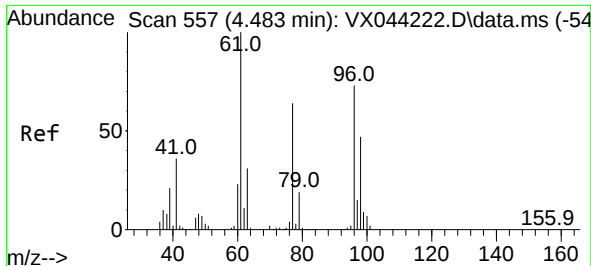
84 100

49 145.3 104.2 156.4

51 33.6 32.2 48.4

86 69.2 50.9 76.3





#27

cis-1,2-Dichloroethene

Concen: 0.299 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX044487.D

Acq: 23 Dec 2024 17:54

Instrument :

MSVOA_X

ClientSampleId :

DUP-04-20241216

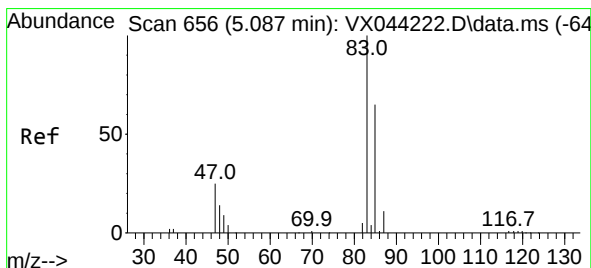
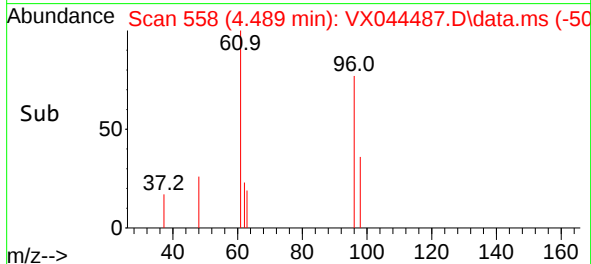
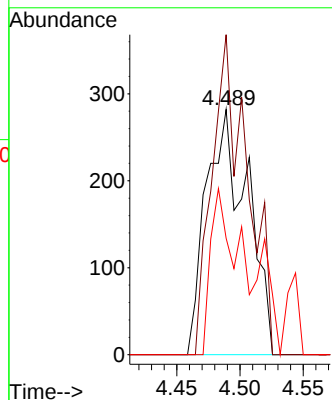
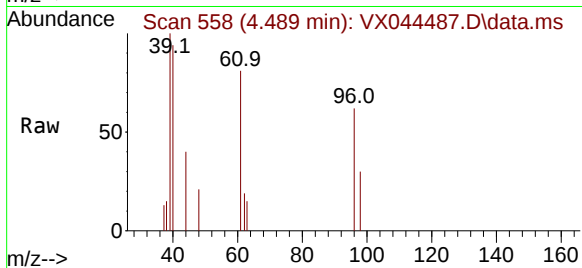
Tgt Ion: 96 Resp: 639

Ion Ratio Lower Upper

96 100

61 111.0 0.0 299.0

98 60.7 0.0 129.0



#30

Chloroform

Concen: 0.343 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.012 min

Lab File: VX044487.D

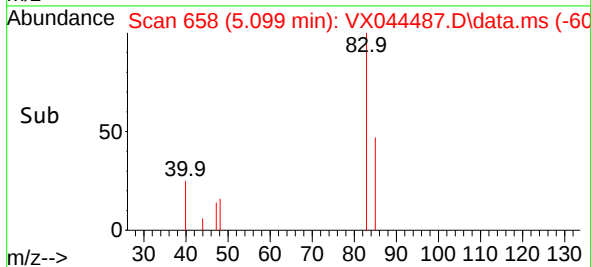
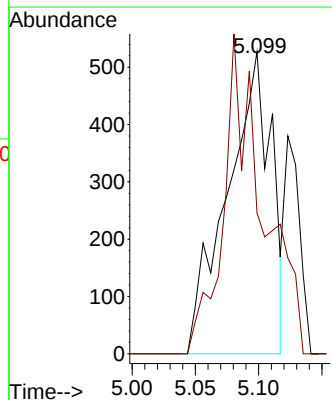
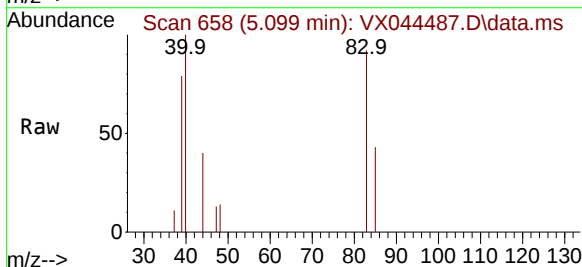
Acq: 23 Dec 2024 17:54

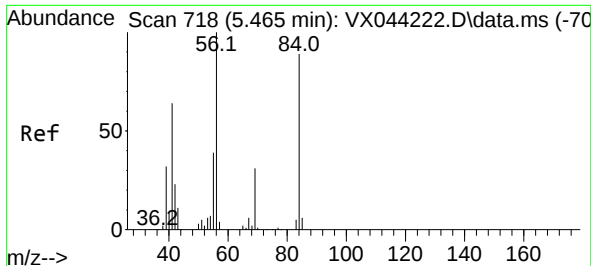
Tgt Ion: 83 Resp: 1276

Ion Ratio Lower Upper

83 100

85 46.7 51.6 77.4#

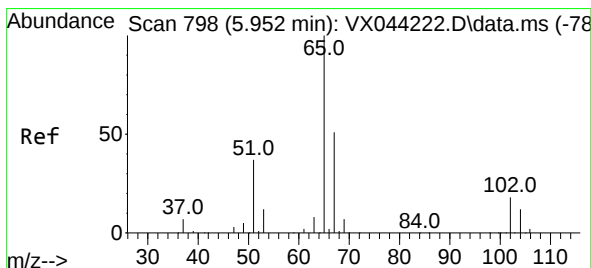
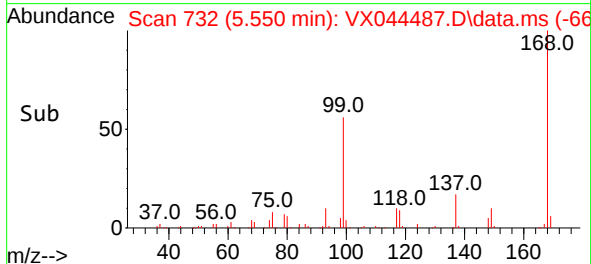
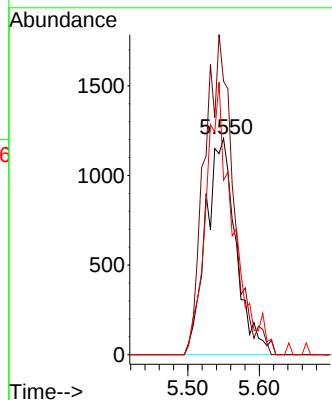
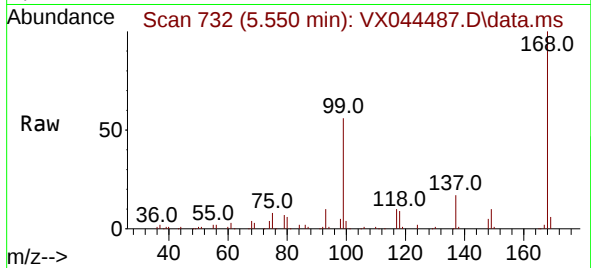




#31
Cyclohexane
Concen: 1.320 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

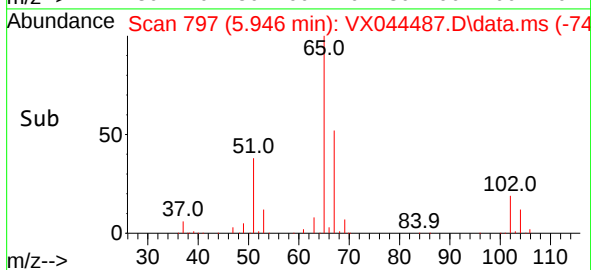
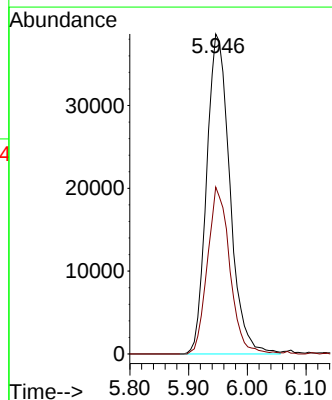
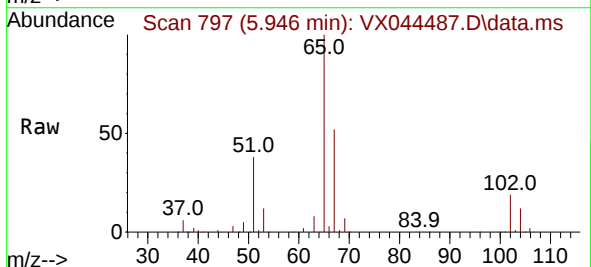
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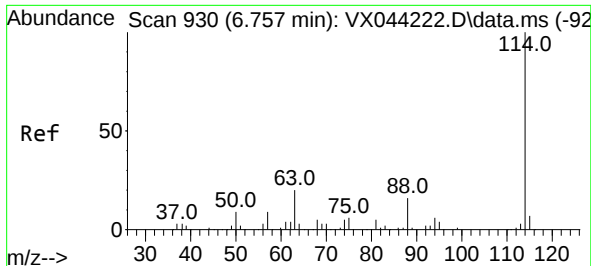
Tgt Ion: 56 Resp: 3529
Ion Ratio Lower Upper
56 100
69 126.5 24.7 37.1#
84 80.8 71.0 106.6



#33
1,2-Dichloroethane-d4
Concen: 42.772 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 65 Resp: 105913
Ion Ratio Lower Upper
65 100
67 50.3 0.0 101.6

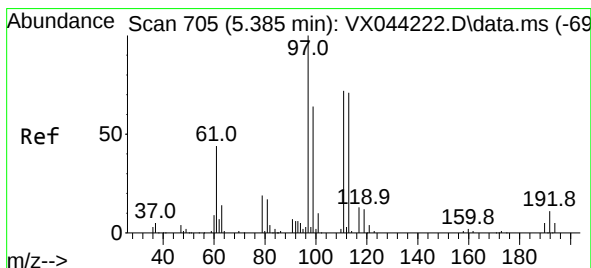
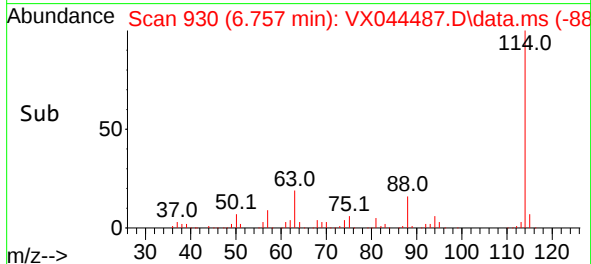
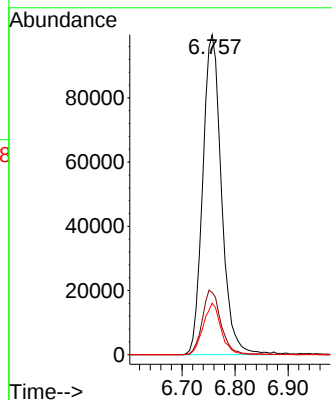
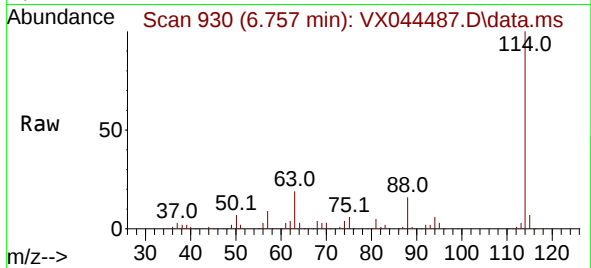




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

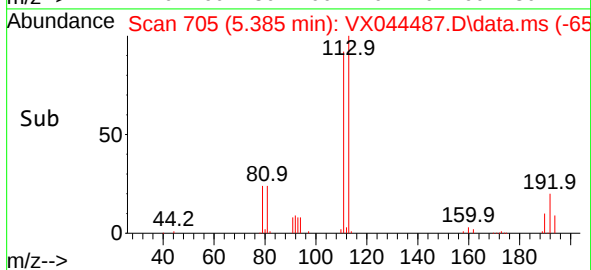
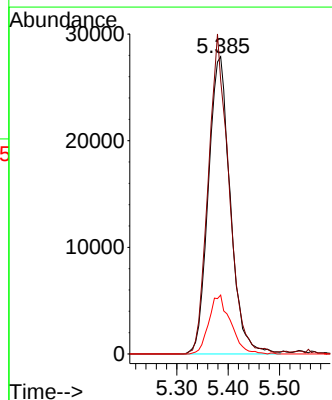
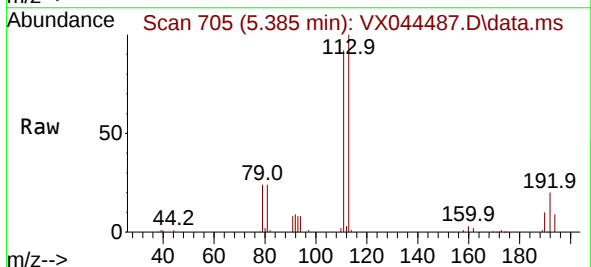
Instrument :
MSVOA_X
ClientSampleId :
DUP-04-20241216

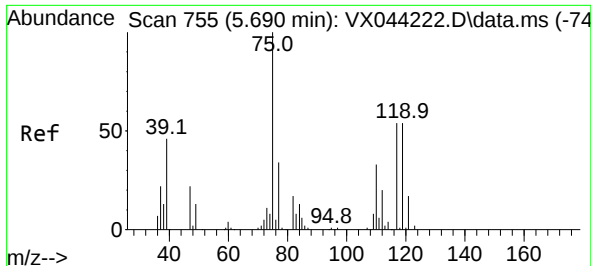
Tgt Ion:114 Resp: 244942
Ion Ratio Lower Upper
114 100
63 19.5 0.0 40.6
88 16.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.685 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion:113 Resp: 82591
Ion Ratio Lower Upper
113 100
111 101.8 80.4 120.6
192 19.6 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.443 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.152 min

Lab File: VX044487.D

Acq: 23 Dec 2024 17:54

Instrument :

MSVOA_X

ClientSampleId :

DUP-04-20241216

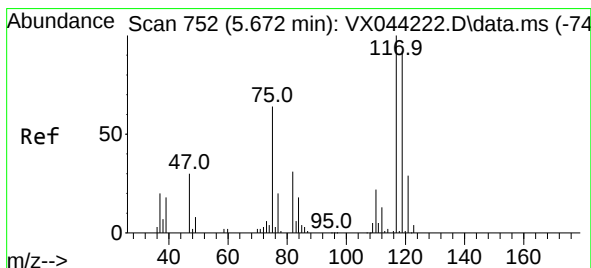
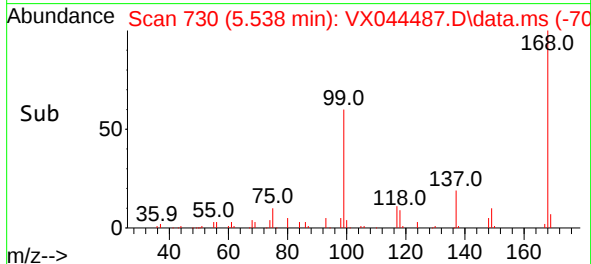
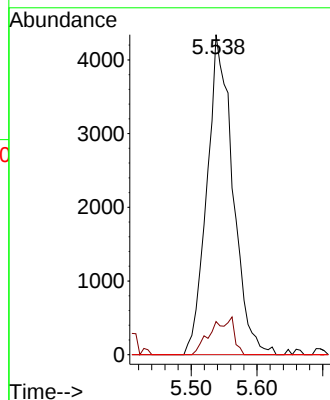
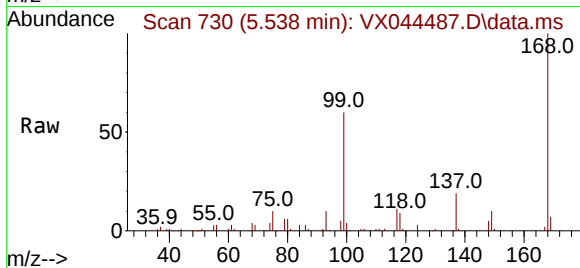
Tgt Ion: 75 Resp: 11935

Ion Ratio Lower Upper

75 100

110 0.0 17.3 51.7#

77 0.0 25.4 38.0#



#38

Carbon Tetrachloride

Concen: 6.194 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX044487.D

Acq: 23 Dec 2024 17:54

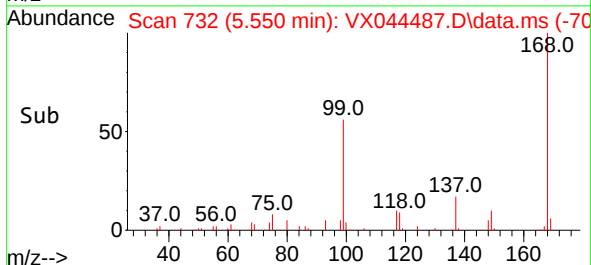
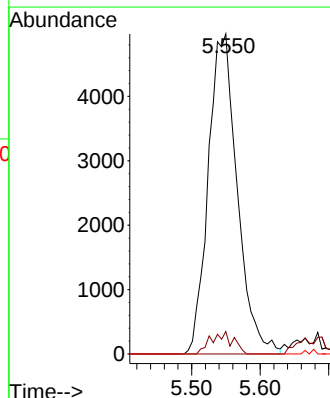
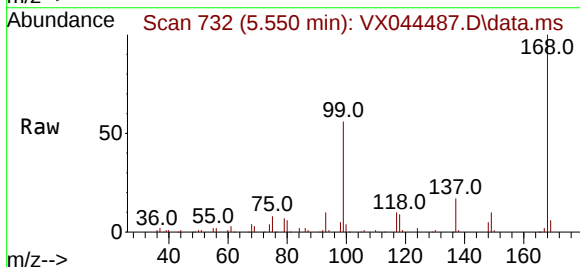
Tgt Ion: 117 Resp: 14624

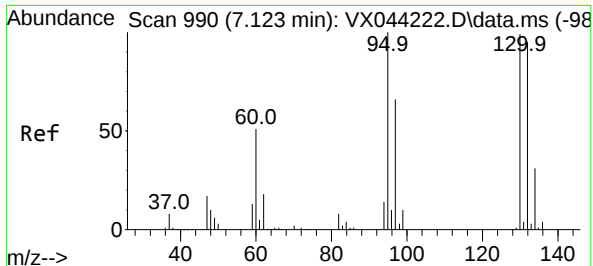
Ion Ratio Lower Upper

117 100

119 7.0 74.2 111.4#

121 0.0 23.0 34.6#

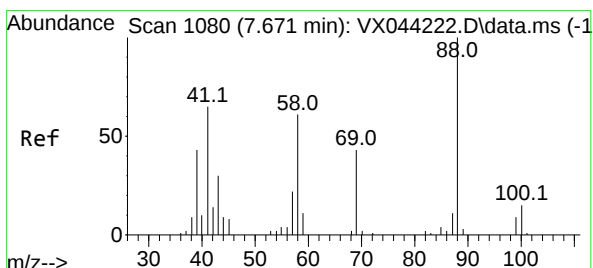
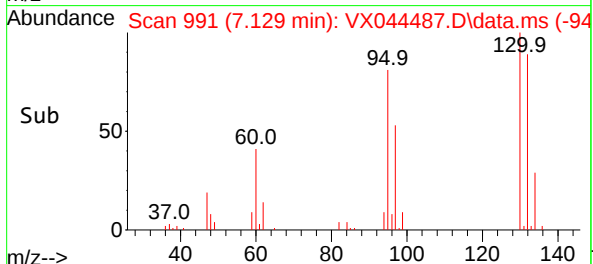
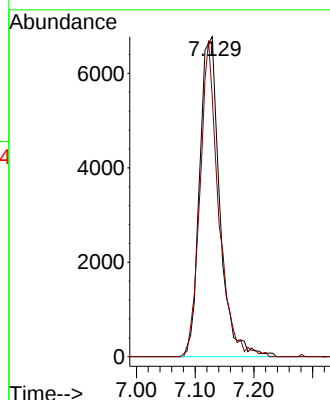
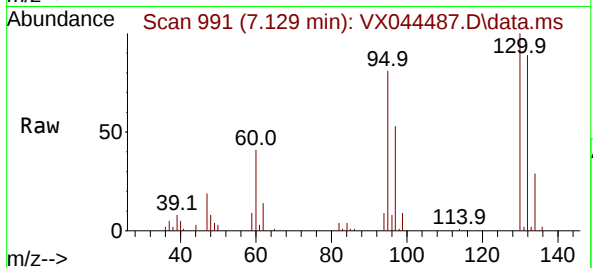




#44
Trichloroethene
Concen: 9.743 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

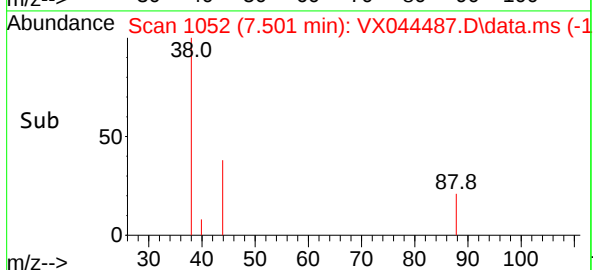
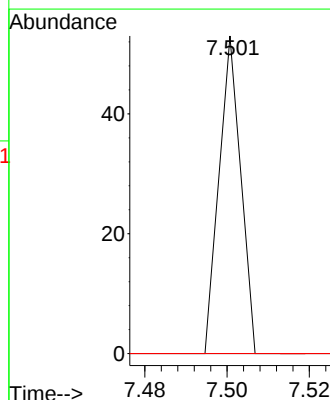
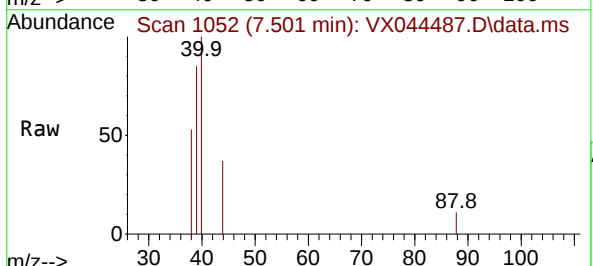
Instrument :
MSVOA_X
ClientSampleId :
DUP-04-20241216

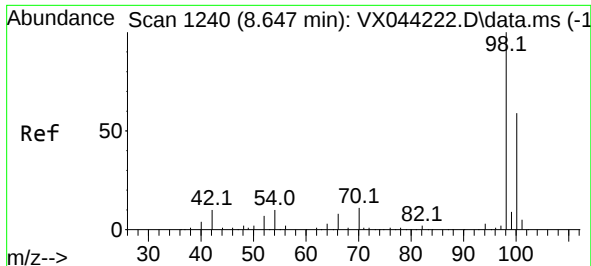
Tgt Ion:130 Resp: 16176
Ion Ratio Lower Upper
130 100
95 81.5 0.0 201.4



#49
1,4-Dioxane
Concen: 0.557 ug/l
RT: 7.501 min Scan# 1052
Delta R.T. -0.171 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 27.1 40.7#
58 0.0 41.0 61.4#

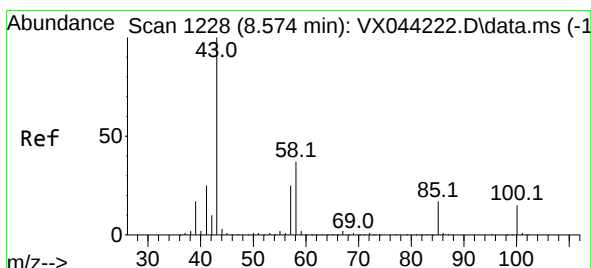
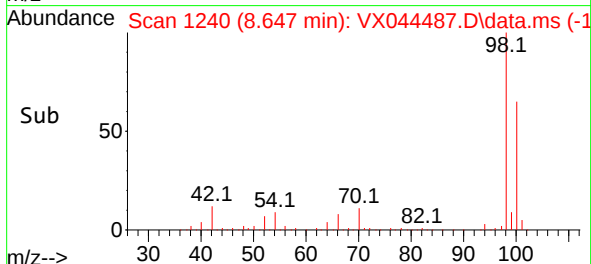
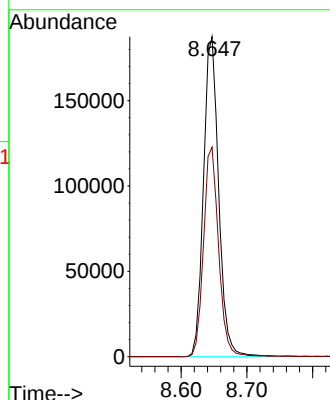
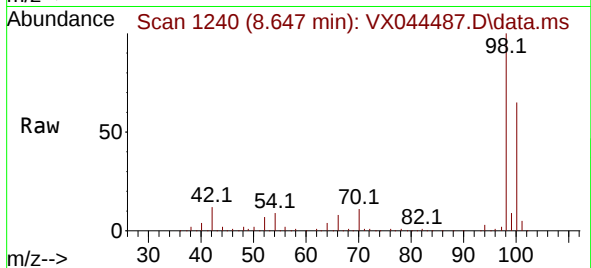




#50
Toluene-d8
Concen: 52.572 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

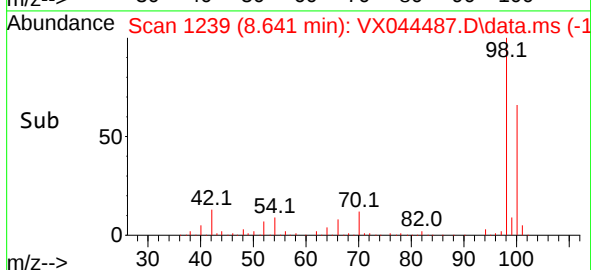
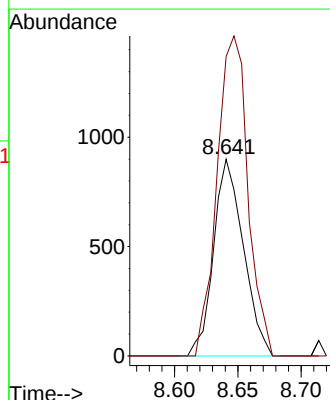
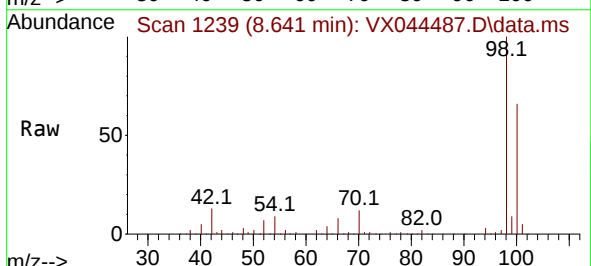
Instrument :
MSVOA_X
ClientSampleId :
DUP-04-20241216

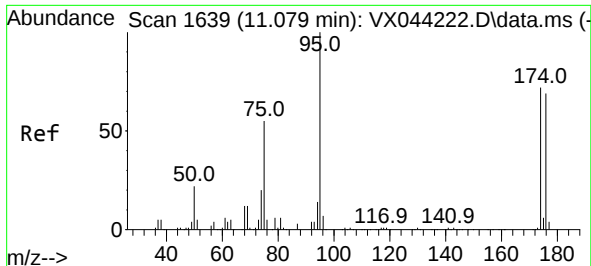
Tgt Ion: 98 Resp: 300884
Ion Ratio Lower Upper
98 100
100 65.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.541 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 43 Resp: 1474
Ion Ratio Lower Upper
43 100
58 168.5 29.4 44.0#

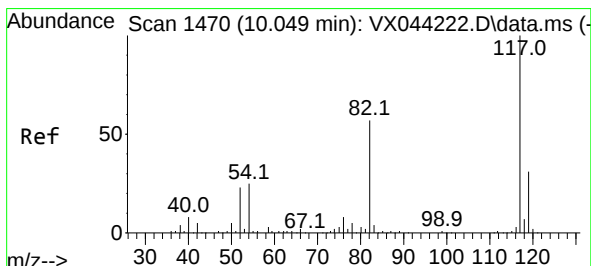
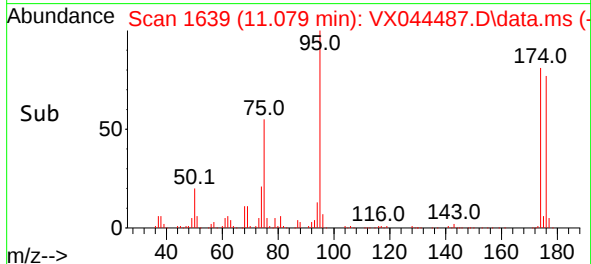
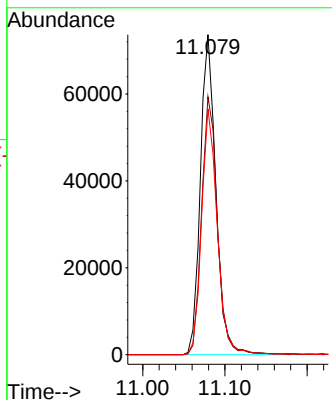
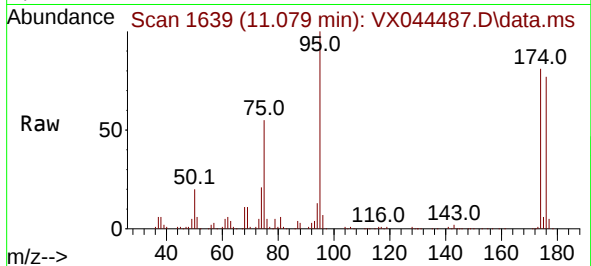




#62
4-Bromofluorobenzene
Concen: 48.423 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

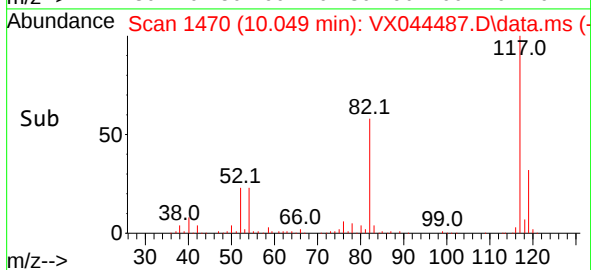
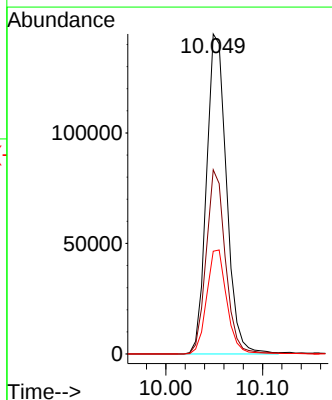
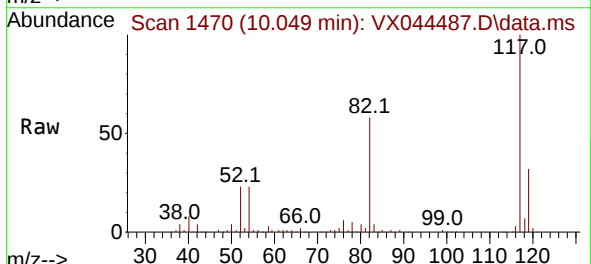
Instrument :
MSVOA_X
ClientSampleId :
DUP-04-20241216

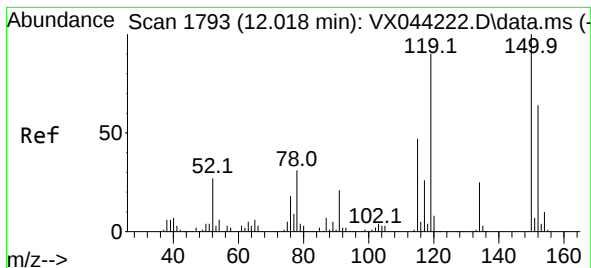
Tgt Ion: 95 Resp: 96839
Ion Ratio Lower Upper
95 100
174 82.0 0.0 145.8
176 77.6 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044487.D
Acq: 23 Dec 2024 17:54

Tgt Ion: 117 Resp: 208216
Ion Ratio Lower Upper
117 100
82 57.5 45.8 68.8
119 32.1 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044487.D

Acq: 23 Dec 2024 17:54

Instrument :

MSVOA_X

ClientSampleId :

DUP-04-20241216

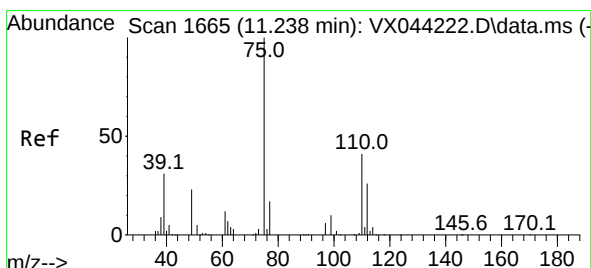
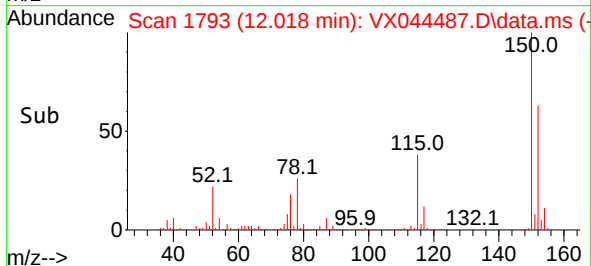
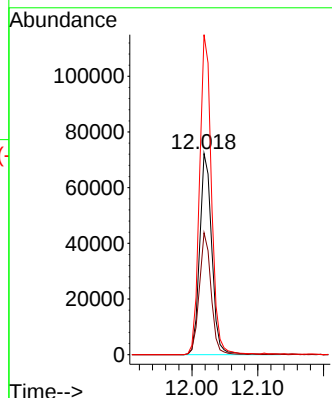
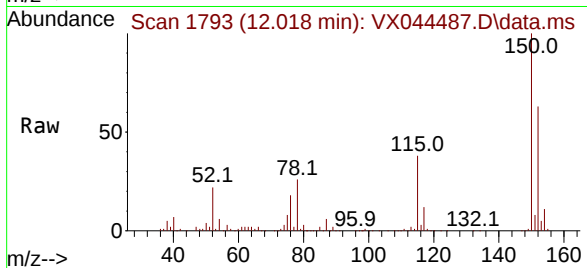
Tgt Ion:152 Resp: 92708

Ion Ratio Lower Upper

152 100

115 58.8 44.5 133.3

150 156.6 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 25.555 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044487.D

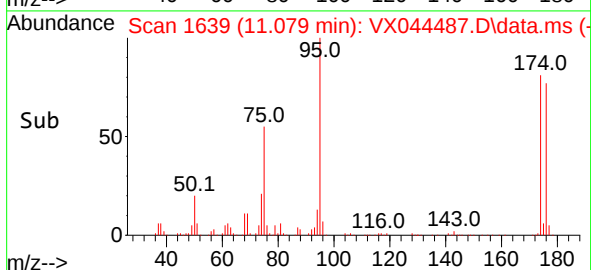
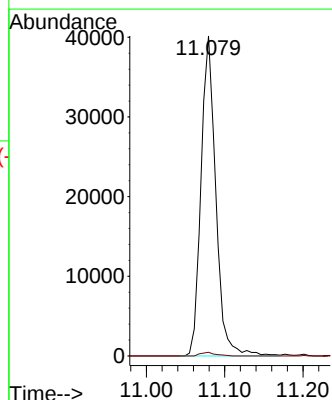
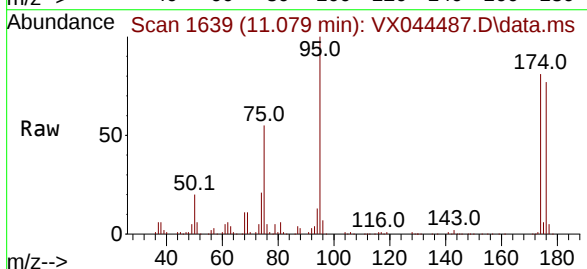
Acq: 23 Dec 2024 17:54

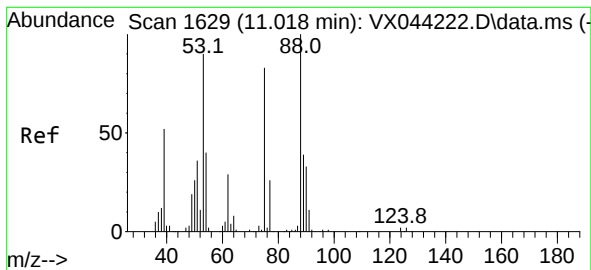
Tgt Ion: 75 Resp: 52897

Ion Ratio Lower Upper

75 100

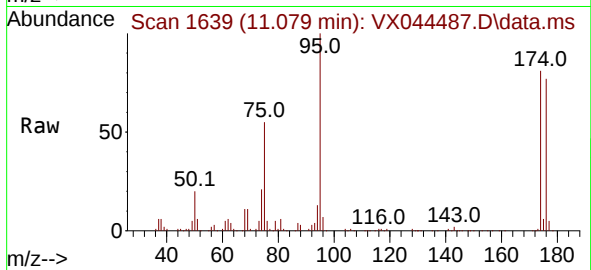
77 1.2 20.9 62.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.636 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044487.D
 Acq: 23 Dec 2024 17:54

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-04-20241216



Tgt Ion: 75 Resp: 52897
 Ion Ratio Lower Upper
 75 100
 53 0.0 93.6 140.4#
 89 0.0 37.3 55.9#

