

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121924\
 Data File : VX044431.D
 Acq On : 19 Dec 2024 13:03
 Operator : JC/MD
 Sample : P5258-12ME
 Misc : 5.99g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 02:30:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120524WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 18 04:40:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.775	114	1893	50.000	ug/L	# 0.02
28) Chlorobenzene-d5	10.061	117	1807	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.030	152	1245	50.000	ug/L	0.01
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	30437	1757.005	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	= 3514.000%#		
7) Chloroethane-d5	1.648	69	16404	1222.420	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	= 2444.840%#		
11) 1,1-Dichloroethene-d2	2.270	65	23961	3234.224	ug/L	-0.02
Spiked Amount	50.000	Range 60 - 125	Recovery	= 6468.440%#		
21) 2-Butanone-d5	4.489	46	106307	10023.173	ug/L	0.02
Spiked Amount	100.000	Range 40 - 130	Recovery	= 10023.170%#		
24) Chloroform-d	5.050	84	142664	4337.438	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 8674.880%#		
26) 1,2-Dichloroethane-d4	5.952	65	102337	4399.665	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 8799.340%#		
32) Benzene-d6	5.964	84	265146	4246.596	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 8493.200%#		
36) 1,2-Dichloropropane-d6	7.299	67	87175	4496.488	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	= 8992.980%#		
41) Toluene-d8	8.647	98	230481	3992.312	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 7984.620%#		
43) trans-1,3-Dichloroprop...	8.952	79	32594	3498.423	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	= 6996.840%#		
47) 2-Hexanone-d5	9.391	63	73351	9703.436	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	= 9703.440%#		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	125926	4844.022	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	= 9688.040%#		
66) 1,2-Dichlorobenzene-d4	12.317	152	85997	2964.601	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 5929.200%#		
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	315	22.243	ug/L	# 41
5) Vinyl chloride	1.368	62	136	8.901	ug/L	# 1
6) Bromomethane	1.599	94	270	25.999	ug/L	81
8) Chloroethane	1.648	64	109	10.776	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.276	101	696	55.513	ug/L	# 20
12) 1,1-Dichloroethene	2.276	96	583	52.242	ug/L	# 1
13) Acetone	2.380	43	30	3.179	ug/L	# 42
15) Methyl Acetate	2.715	43	414	27.052	ug/L	# 51
16) Methylene chloride	2.782	84	138	10.746	ug/L	# 79
22) 2-Butanone	4.587	43	254	22.299	ug/L	# 49
25) Chloroform	5.086	83	232	8.454	ug/L	78
27) 1,2-Dichloroethane	5.964	62	2010	88.104	ug/L	# 92
35) Methylcyclohexane	7.391	83	36	1.659	ug/L	# 19
37) 1,2-Dichloropropane	7.409	63	44	2.986	ug/L	# 86
39) cis-1,3-Dichloropropene	8.324	75	2526	109.453	ug/L	# 65
40) 4-Methyl-2-pentanone	8.500	43	52	2.280	ug/L	# 42
44) trans-1,3-Dichloropropene	8.958	75	1760	80.459	ug/L	93
48) 2-Hexanone	9.470	43	377	20.990	ug/L	# 72
50) 1,2-Dibromoethane	9.384	107	41	2.629	ug/L	# 6

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

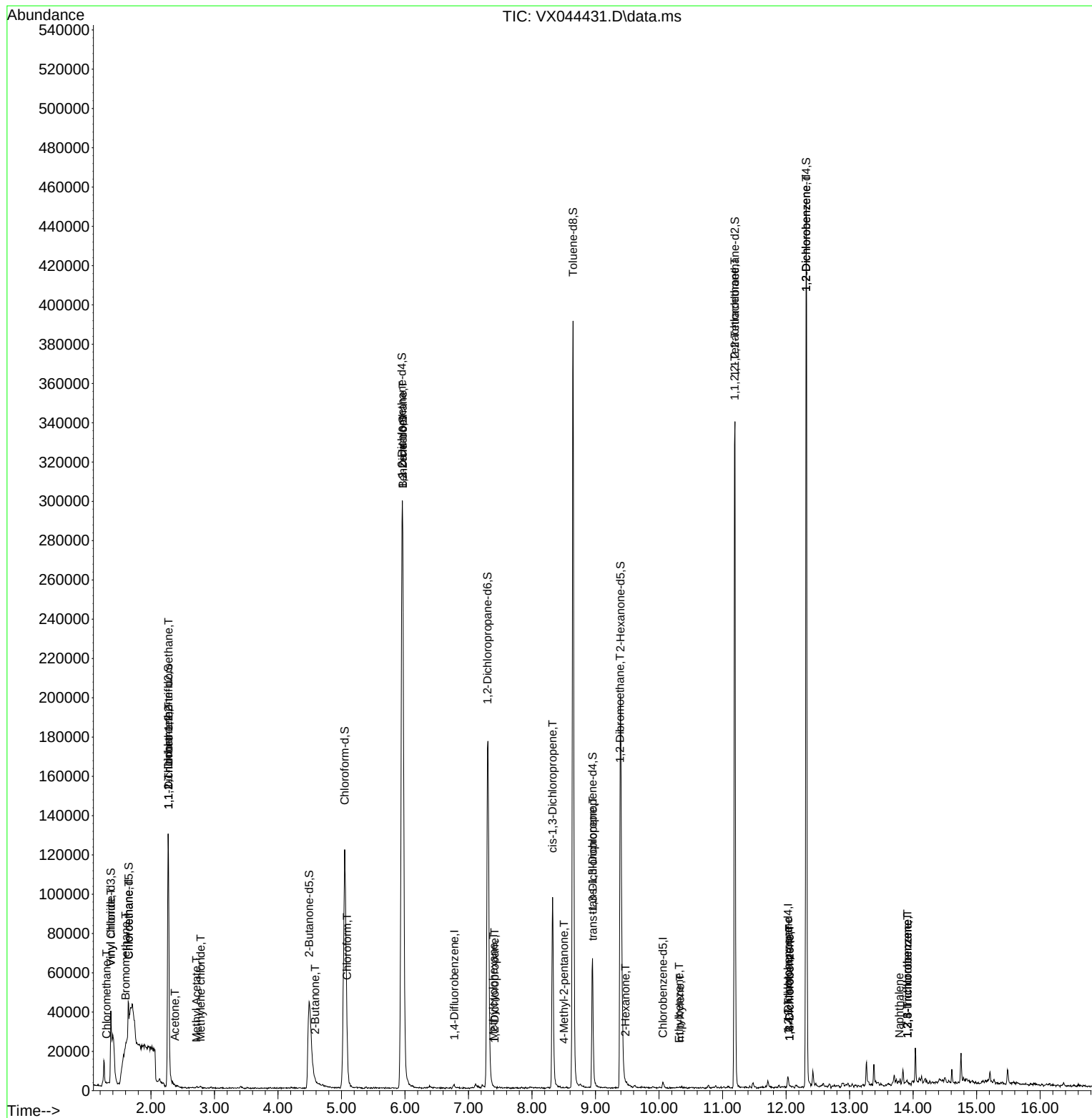
52) Ethylbenzene	10.317	91	367	5.730	ug/L	97
53) m,p-Xylene	10.329	106	117	5.044	ug/L #	55
57) 1,1,2,2-Tetrachloroethane	11.189	83	779	33.257	ug/L #	1
61) 1,2,3-Trichloropropane	12.036	75	138	4.786	ug/L #	60
64) 1,3-Dichlorobenzene	12.055	146	119	2.987	ug/L #	24
65) 1,4-Dichlorobenzene	12.055	146	119	2.985	ug/L #	25
67) 1,2-Dichlorobenzene	12.317	146	159	3.930	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.914	180	93	3.741	ug/L #	18
70) 1,2,4-trichlorobenzene	13.914	180	93	4.200	ug/L #	13
71) Naphthalene	13.786	128	155	1.717	ug/L #	70
72) 1,2,3-Trichlorobenzene	13.914	180	93	3.954	ug/L #	54

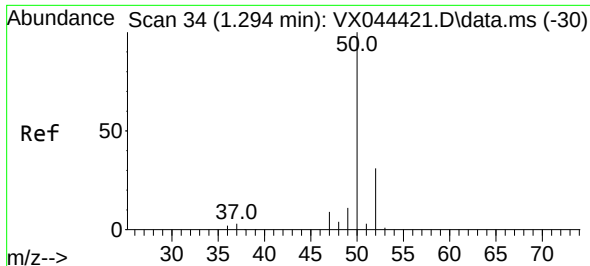
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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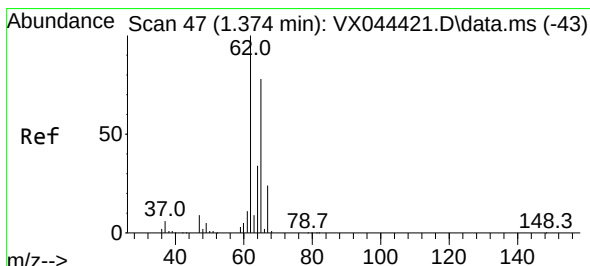
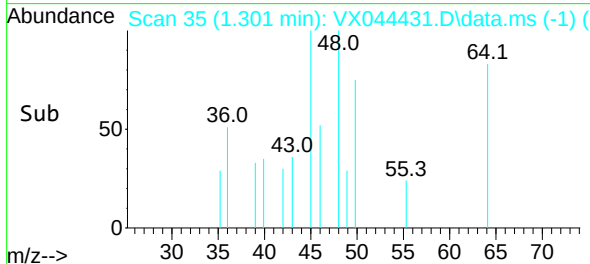
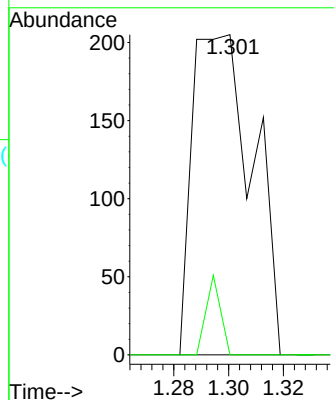
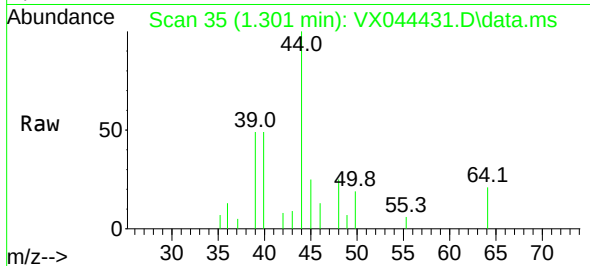




#3
Chloromethane
Concen: 22.243 ug/L
RT: 1.301 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044431.D
Acq: 19 Dec 2024 13:03

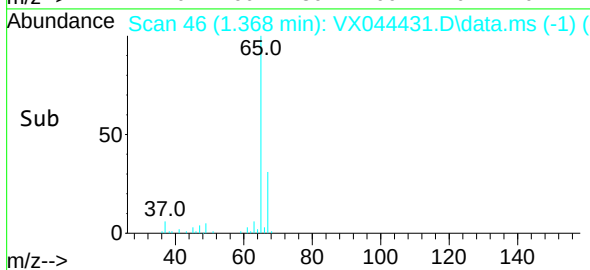
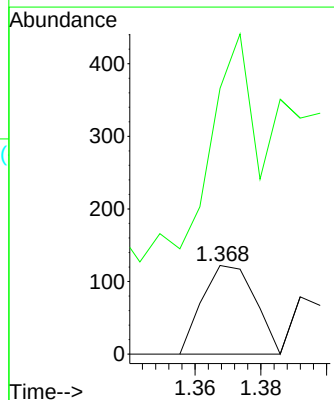
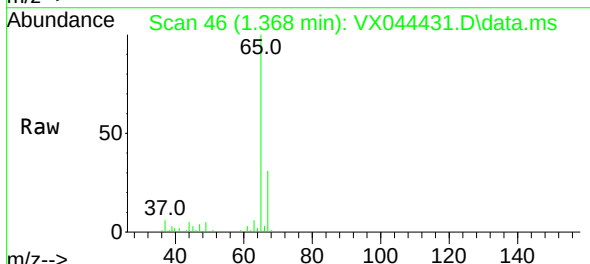
Instrument :
MSVOA_X
ClientSampleId :

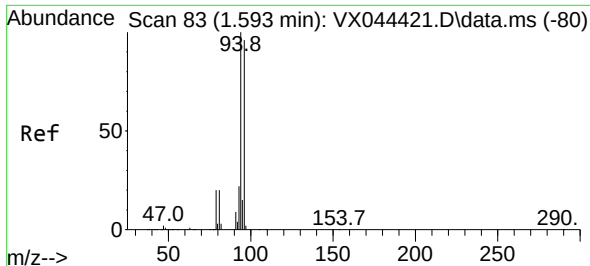
Tgt Ion: 50 Resp: 315
Ion Ratio Lower Upper
50 100
52 0.0 23.9 44.3#



#5
Vinyl chloride
Concen: 8.901 ug/L
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX044431.D
Acq: 19 Dec 2024 13:03

Tgt Ion: 62 Resp: 136
Ion Ratio Lower Upper
62 100
64 300.0 22.2 41.2#

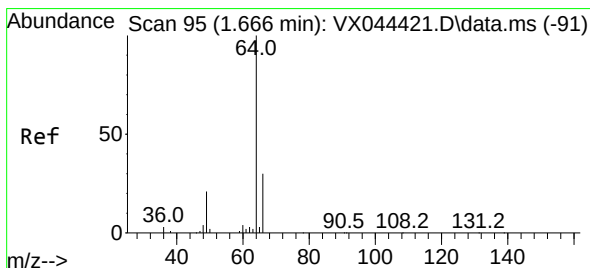
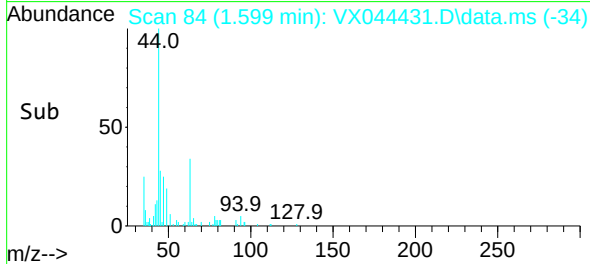
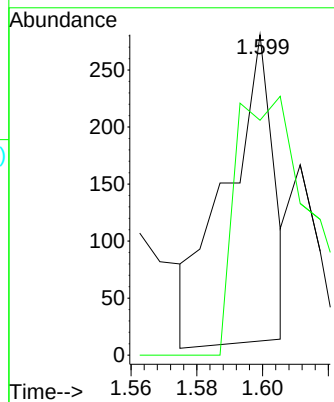
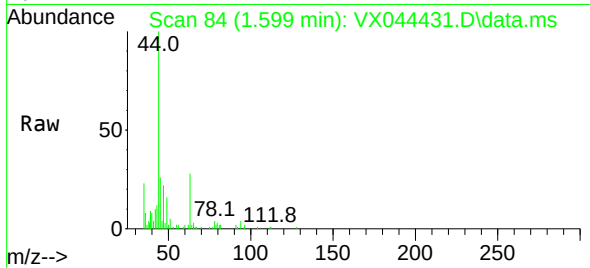




#6
Bromomethane
Concen: 25.999 ug/L
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044431.D
Acq: 19 Dec 2024 13:03

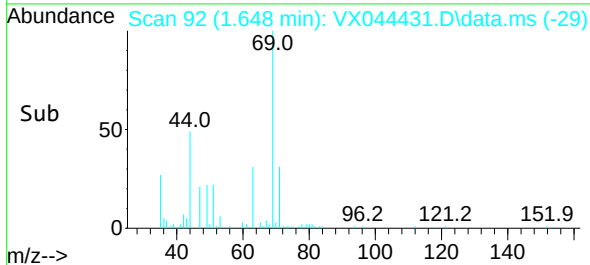
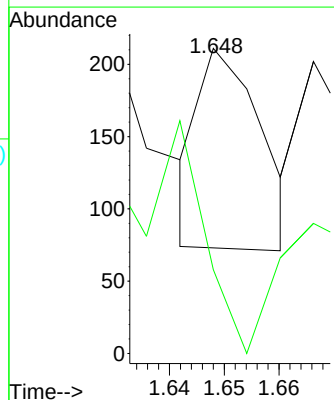
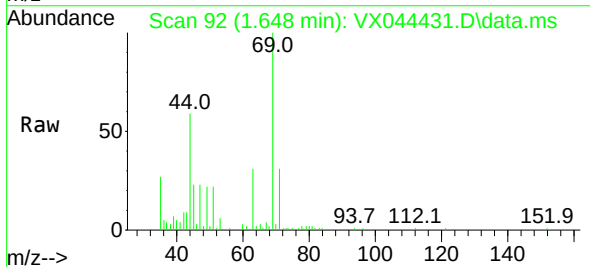
Instrument :
MSVOA_X
ClientSampleId :

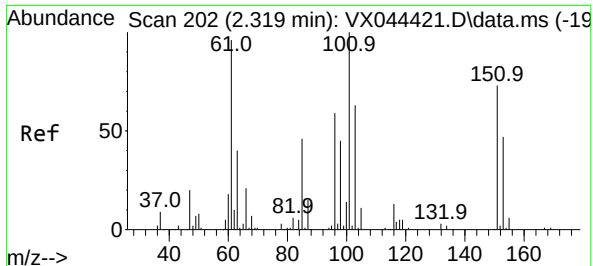
Tgt Ion: 94 Resp: 270
Ion Ratio Lower Upper
94 100
96 73.3 64.2 119.2



#8
Chloroethane
Concen: 10.776 ug/L
RT: 1.648 min Scan# 92
Delta R.T. -0.018 min
Lab File: VX044431.D
Acq: 19 Dec 2024 13:03

Tgt Ion: 64 Resp: 109
Ion Ratio Lower Upper
64 100
66 27.5 21.5 39.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 55.513 ug/L

RT: 2.276 min Scan# 195

Delta R.T. -0.043 min

Lab File: VX044431.D

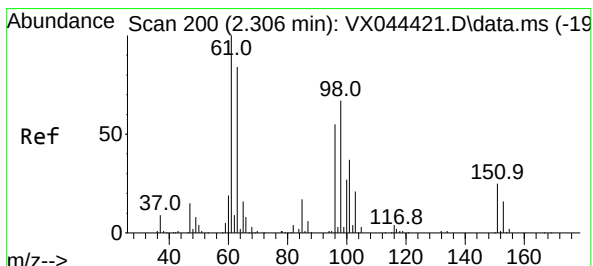
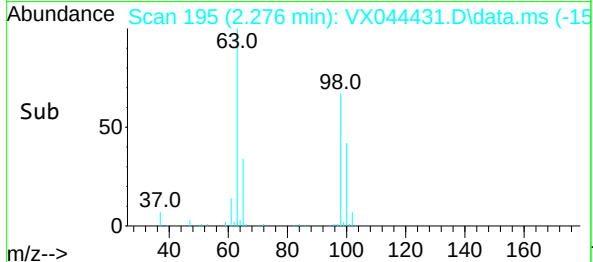
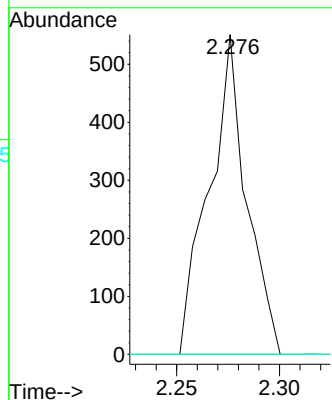
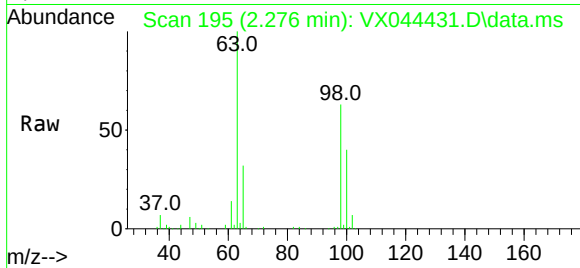
Acq: 19 Dec 2024 13:03

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:101	Resp:	696
Ion	Ratio	Lower Upper
101	100	
85	0.0	33.9 50.9#
151	0.0	58.5 87.7#



#12

1,1-Dichloroethene

Concen: 52.242 ug/L

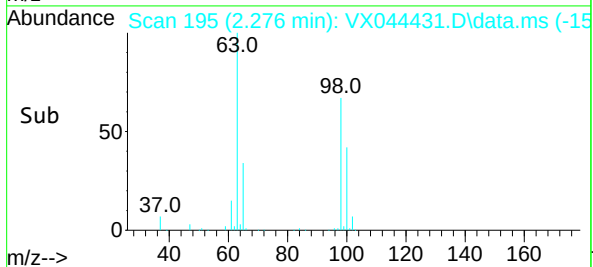
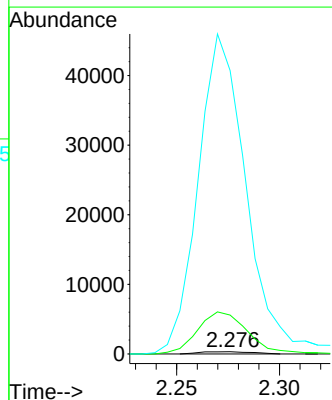
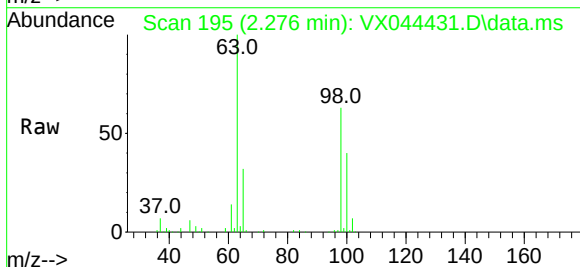
RT: 2.276 min Scan# 195

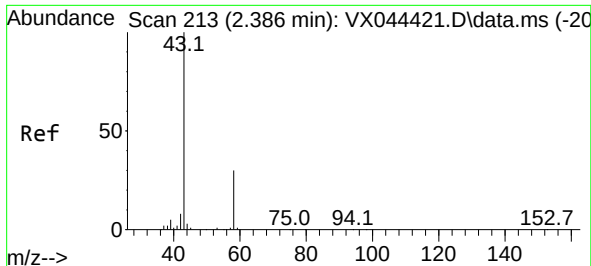
Delta R.T. -0.037 min

Lab File: VX044431.D

Acq: 19 Dec 2024 13:03

Tgt Ion: 96	Resp:	583
Ion	Ratio	Lower Upper
96	100	
61	1708.9	109.3 203.1#
63	12452.6	65.7 122.1#





#13

Acetone

Concen: 3.179 ug/L

RT: 2.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX044431.D

Acq: 19 Dec 2024 13:03

Instrument :

MSVOA_X

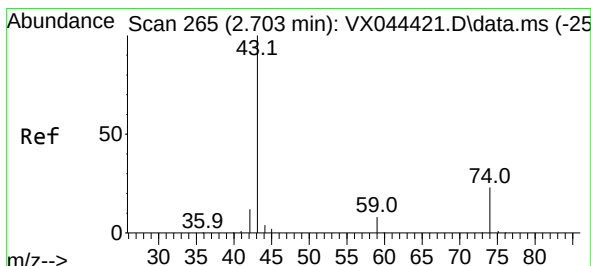
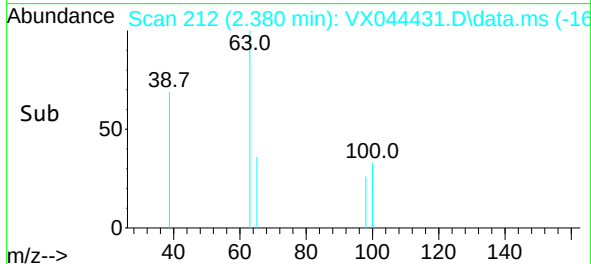
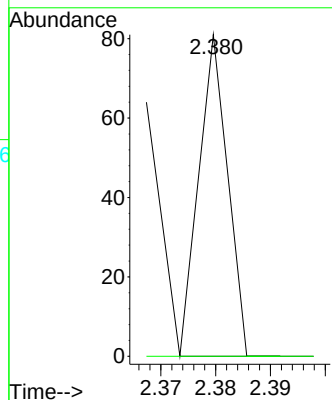
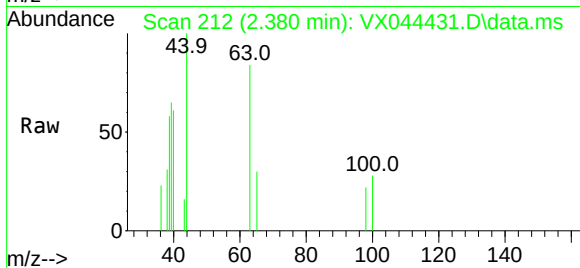
ClientSampleId :

Tgt Ion: 43 Resp: 30

Ion Ratio Lower Upper

43 100

58 0.0 0.0 66.0



#15

Methyl Acetate

Concen: 27.052 ug/L

RT: 2.715 min Scan# 267

Delta R.T. 0.012 min

Lab File: VX044431.D

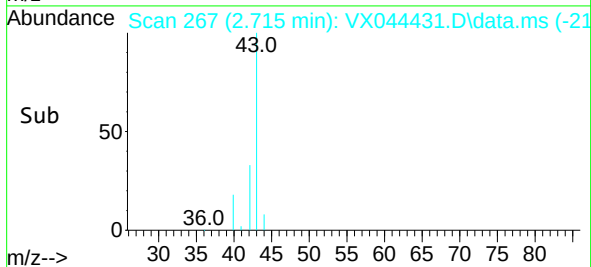
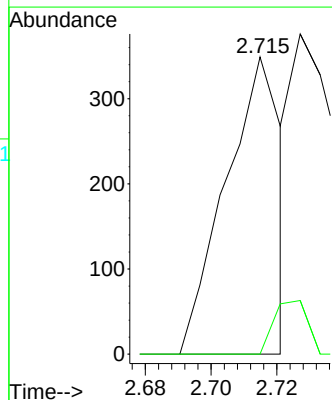
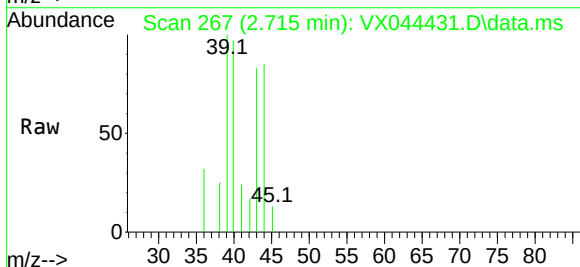
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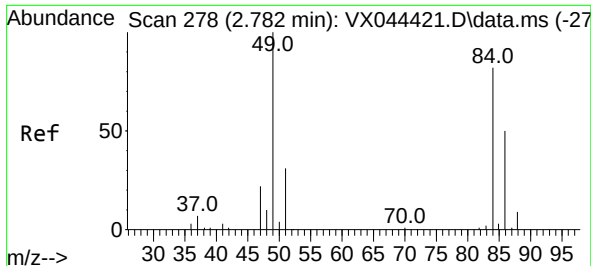
Tgt Ion: 43 Resp: 414

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#

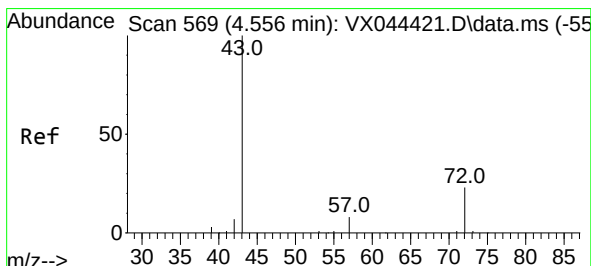
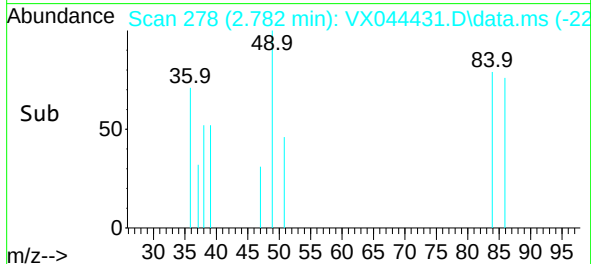
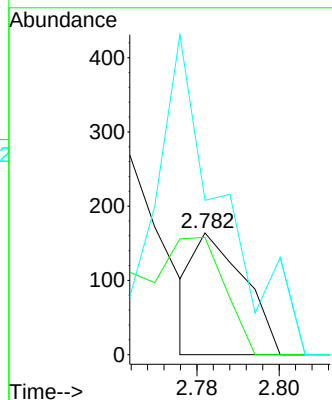
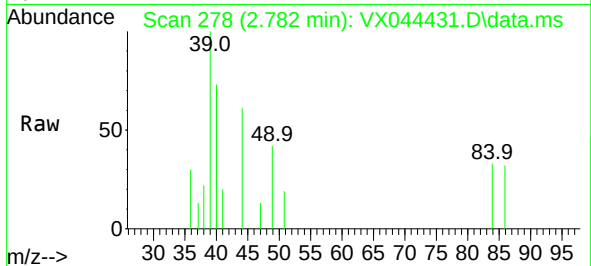




#16
Methylene chloride
Concen: 10.746 ug/L
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044431.D
Acq: 19 Dec 2024 13:03

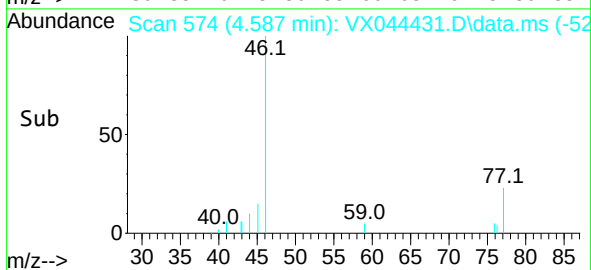
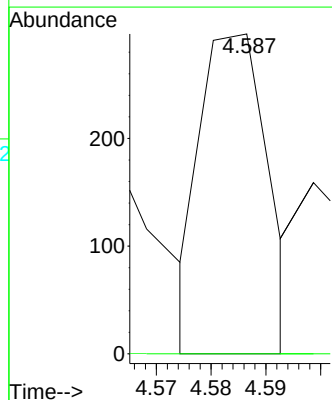
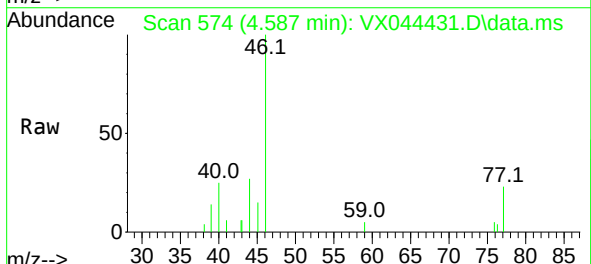
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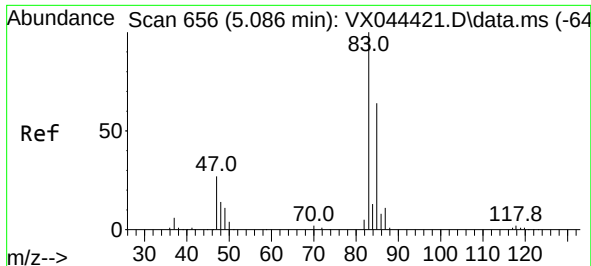
Tgt Ion: 84 Resp: 138
Ion Ratio Lower Upper
84 100
86 96.3 46.0 85.4#
49 126.8 80.8 150.2



#22
2-Butanone
Concen: 22.299 ug/L
RT: 4.587 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX044431.D
Acq: 19 Dec 2024 13:03

Tgt Ion: 43 Resp: 254
Ion Ratio Lower Upper
43 100
72 0.0 13.1 39.3#





#25

Chloroform

Concen: 8.454 ug/L

RT: 5.086 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX044431.D

Acq: 19 Dec 2024 13:03

Instrument :

MSVOA_X

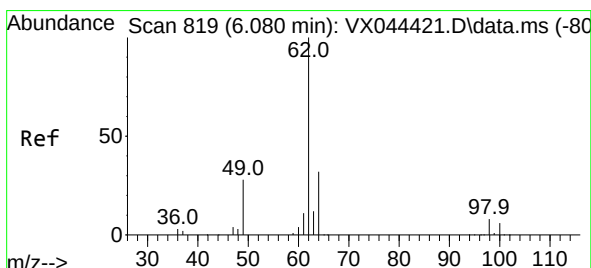
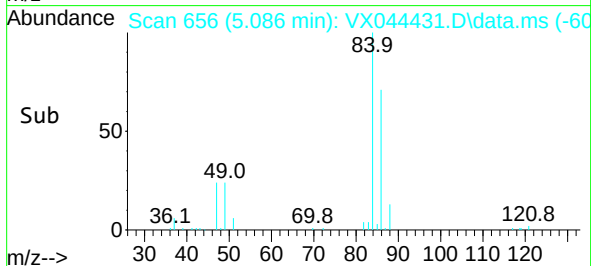
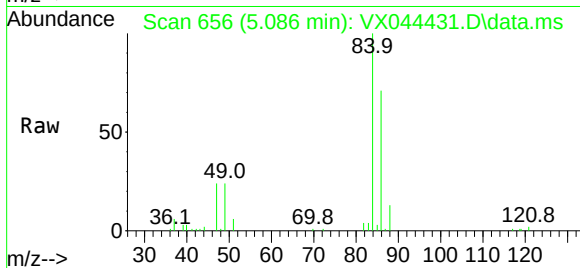
ClientSampleId :

Tgt Ion: 83 Resp: 232

Ion Ratio Lower Upper

83 100

85 86.1 47.7 88.7



#27

1,2-Dichloroethane

Concen: 88.104 ug/L

RT: 5.964 min Scan# 800

Delta R.T. -0.116 min

Lab File: VX044431.D

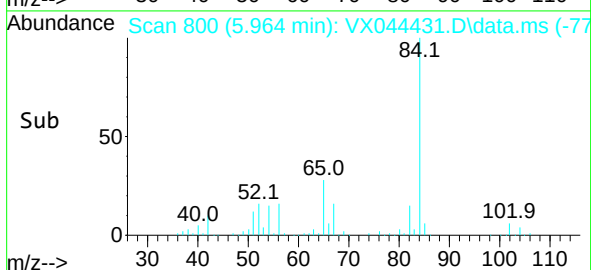
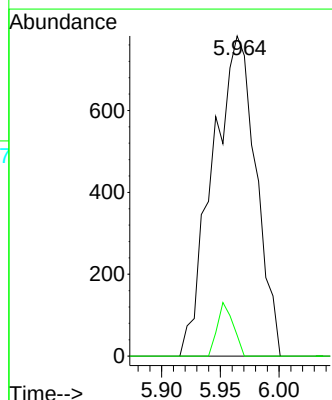
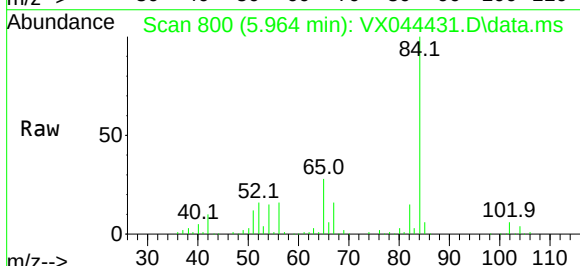
Acq: 19 Dec 2024 13:03

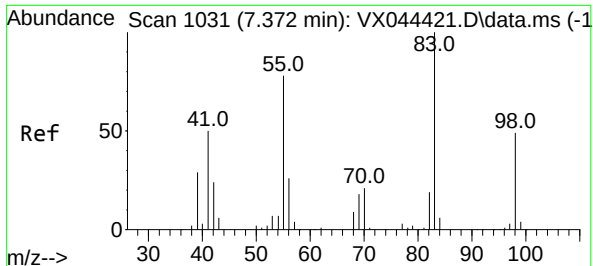
Tgt Ion: 62 Resp: 2010

Ion Ratio Lower Upper

62 100

98 6.5 7.7 11.5#





#35

Methylcyclohexane

Concen: 1.659 ug/L

RT: 7.391 min Scan# 1034

Delta R.T. 0.012 min

Lab File: VX044431.D

Acq: 19 Dec 2024 13:03

Instrument :

MSVOA_X

ClientSampleId :

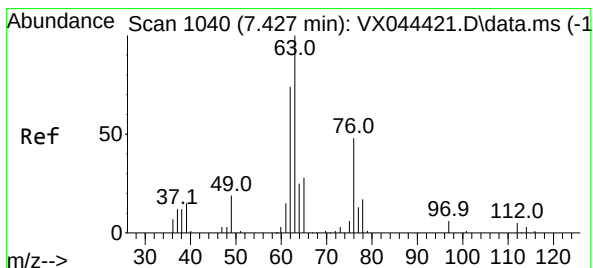
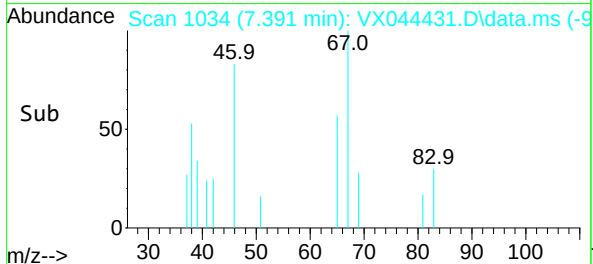
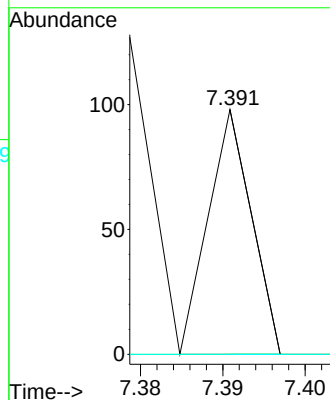
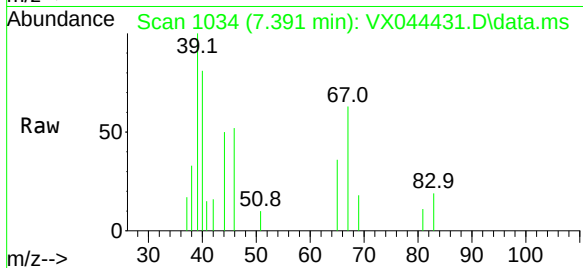
Tgt Ion: 83 Resp: 36

Ion Ratio Lower Upper

83 100

55 0.0 58.5 87.7#

98 0.0 40.5 60.7#



#37

1,2-Dichloropropane

Concen: 2.986 ug/L

RT: 7.409 min Scan# 1037

Delta R.T. -0.018 min

Lab File: VX044431.D

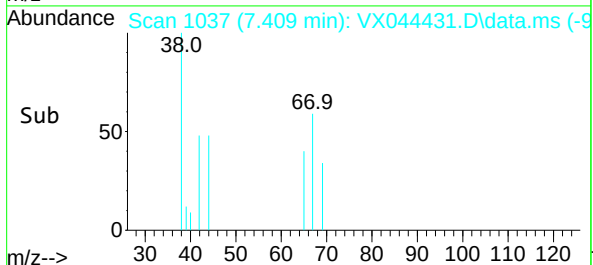
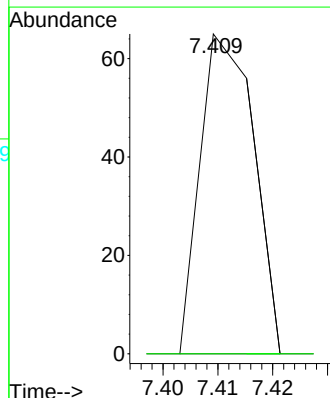
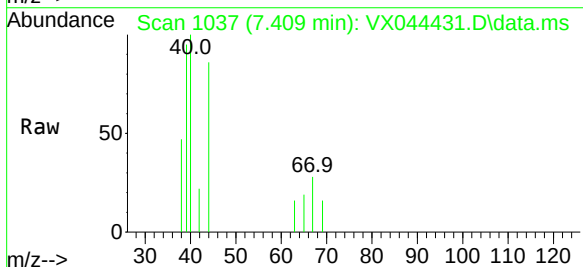
Acq: 19 Dec 2024 13:03

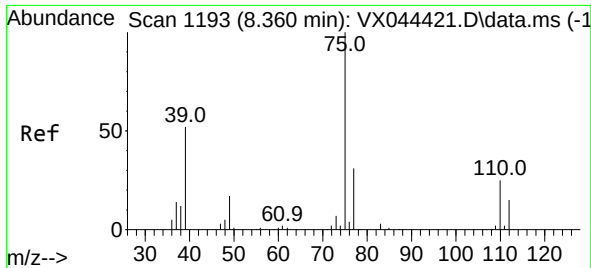
Tgt Ion: 63 Resp: 44

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#





#39

cis-1,3-Dichloropropene

Concen: 109.453 ug/L

RT: 8.324 min Scan# 1193

Delta R.T. -0.043 min

Lab File: VX044431.D

Acq: 19 Dec 2024 13:03

Instrument :

MSVOA_X

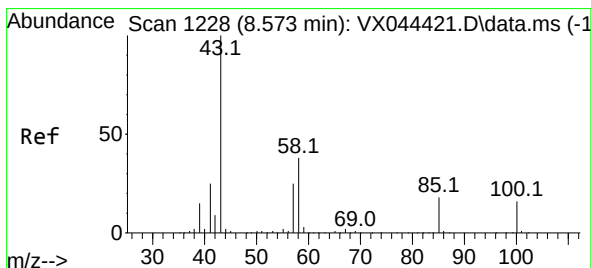
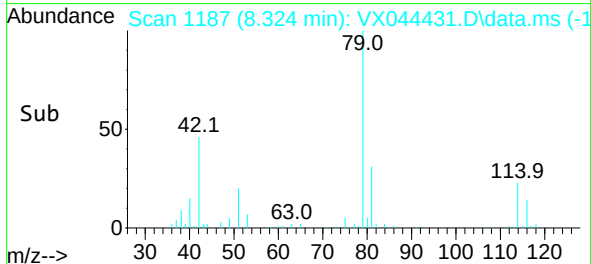
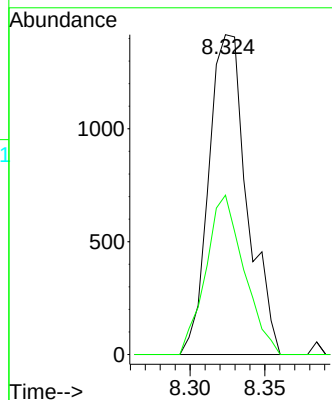
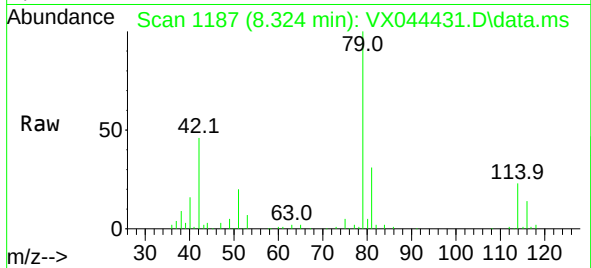
ClientSampleId :

Tgt Ion: 75 Resp: 2526

Ion Ratio Lower Upper

75 100

77 49.8 21.6 40.0#



#40

4-Methyl-2-pentanone

Concen: 2.280 ug/L

RT: 8.500 min Scan# 1216

Delta R.T. -0.073 min

Lab File: VX044431.D

Acq: 19 Dec 2024 13:03

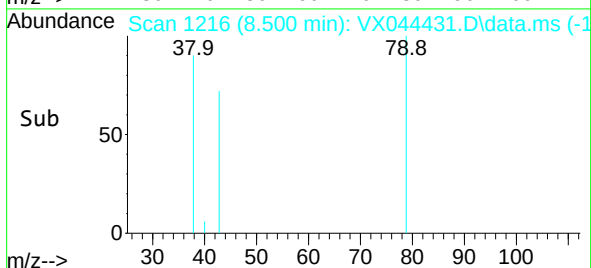
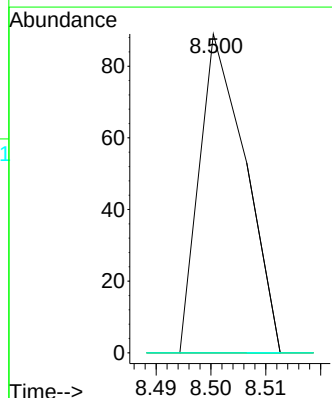
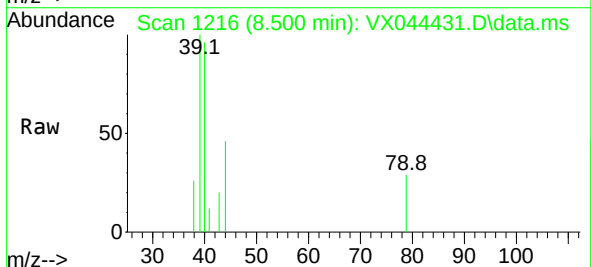
Tgt Ion: 43 Resp: 52

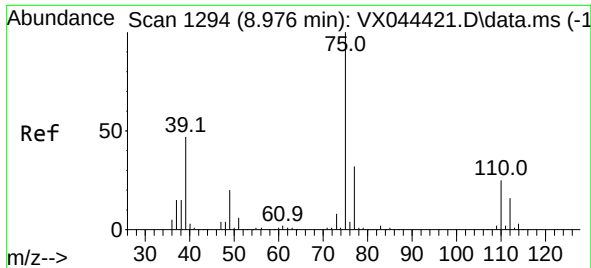
Ion Ratio Lower Upper

43 100

58 0.0 32.4 48.6#

100 0.0 13.7 20.5#

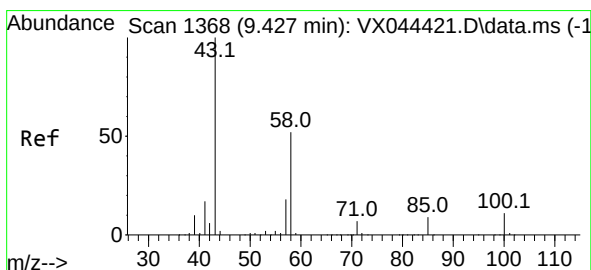
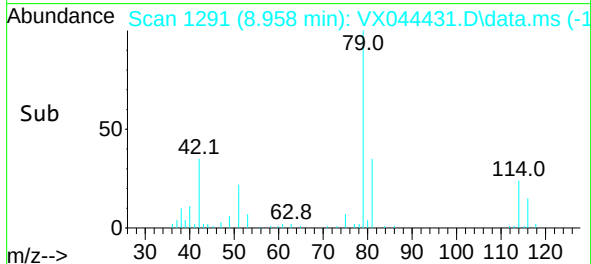
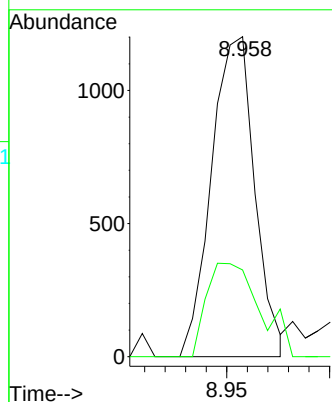
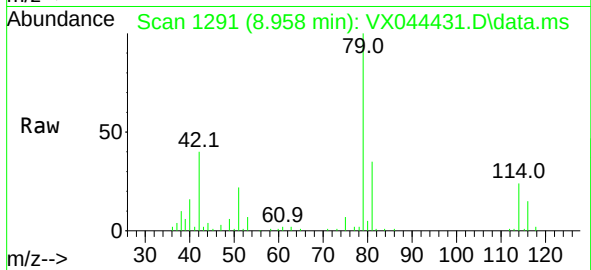




#44
trans-1,3-Dichloropropene
Concen: 80.459 ug/L
RT: 8.958 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX044431.D
Acq: 19 Dec 2024 13:03

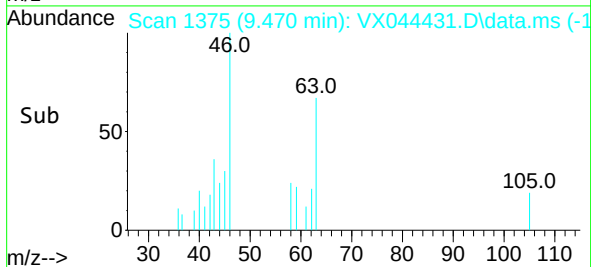
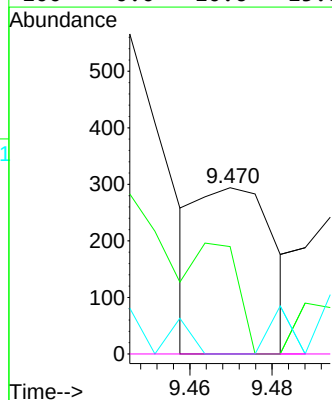
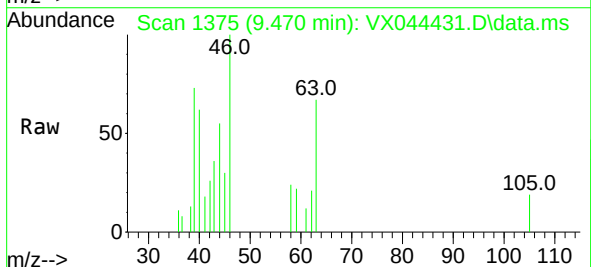
Instrument :
MSVOA_X
ClientSampleId :

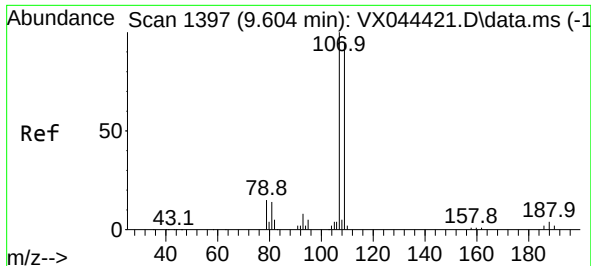
Tgt Ion: 75 Resp: 1760
Ion Ratio Lower Upper
75 100
77 27.1 21.8 40.6



#48
2-Hexanone
Concen: 20.990 ug/L
RT: 9.470 min Scan# 1375
Delta R.T. 0.037 min
Lab File: VX044431.D
Acq: 19 Dec 2024 13:03

Tgt Ion: 43 Resp: 377
Ion Ratio Lower Upper
43 100
58 37.4 45.4 68.2#
57 6.1 15.4 23.0#
100 0.0 10.6 15.8#





#50

1,2-Dibromoethane

Concen: 2.629 ug/L

RT: 9.384 min Scan# 11

Delta R.T. -0.226 min

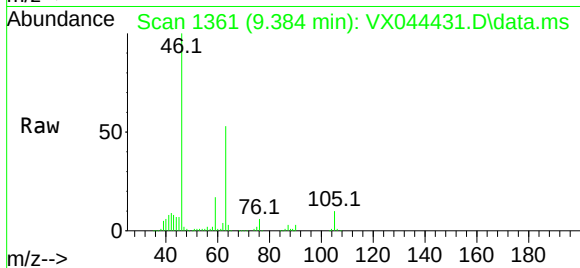
Lab File: VX044431.D

Acq: 19 Dec 2024 13:03

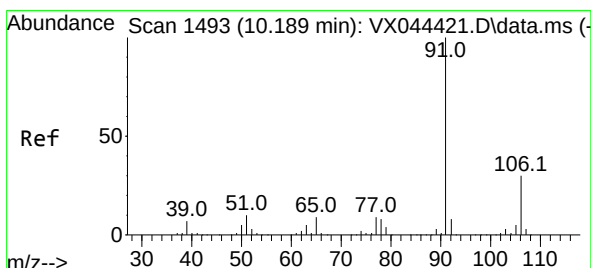
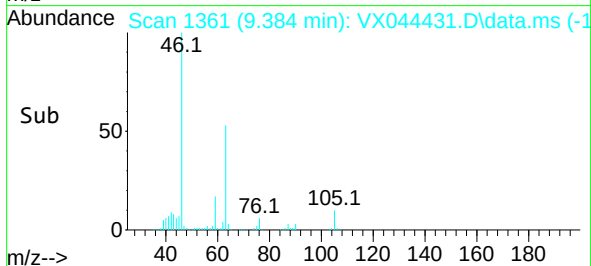
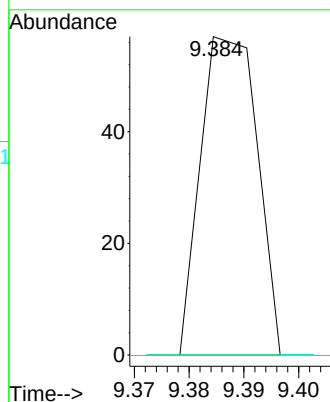
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	107	Resp:	41
Ion	Ratio	Lower	Upper
107	100		
109	0.0	65.5	121.7#
188	0.0	2.6	4.0#



#52

Ethylbenzene

Concen: 5.730 ug/L

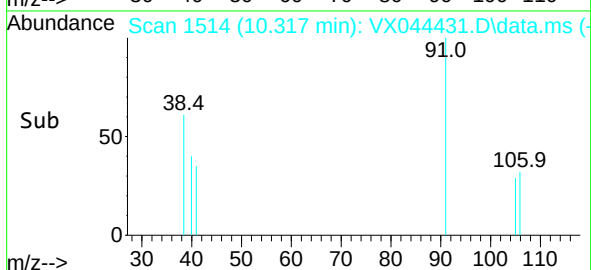
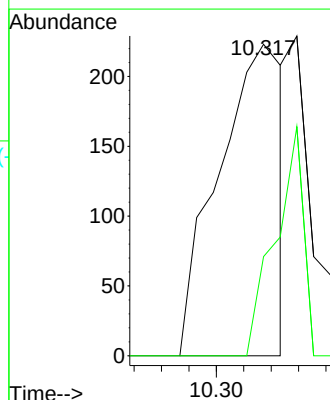
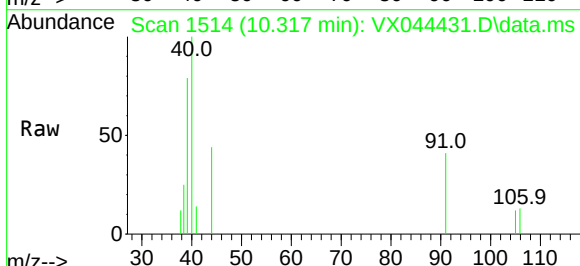
RT: 10.317 min Scan# 1514

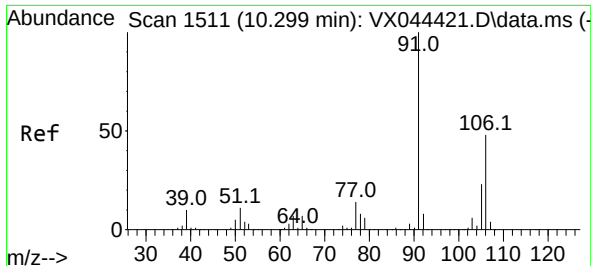
Delta R.T. 0.128 min

Lab File: VX044431.D

Acq: 19 Dec 2024 13:03

Tgt Ion:	91	Resp:	367
Ion	Ratio	Lower	Upper
91	100		
106	31.8	21.1	39.1

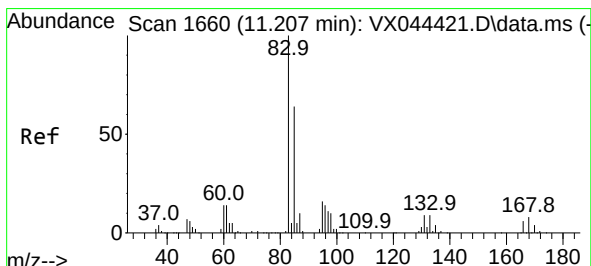
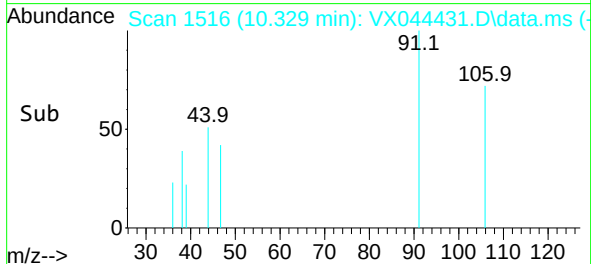
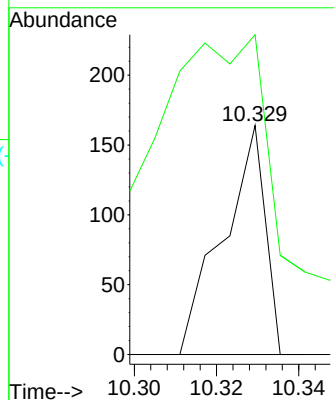
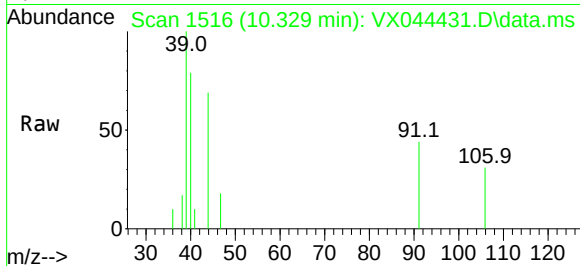




#53
 m,p-Xylene
 Concen: 5.044 ug/L
 RT: 10.329 min Scan# 1117
 Delta R.T. 0.031 min
 Lab File: VX044431.D
 Acq: 19 Dec 2024 13:03

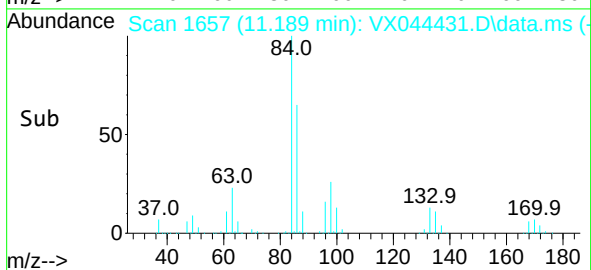
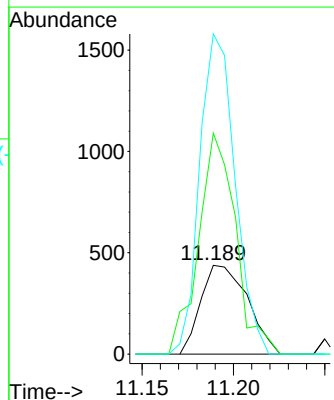
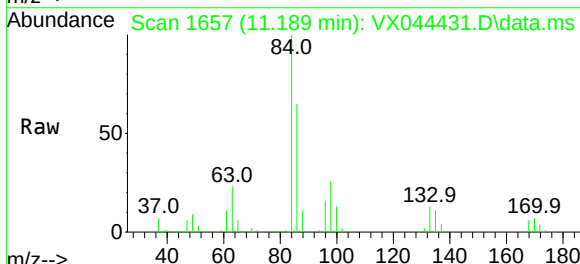
Instrument :
 MSVOA_X
 ClientSampleId :

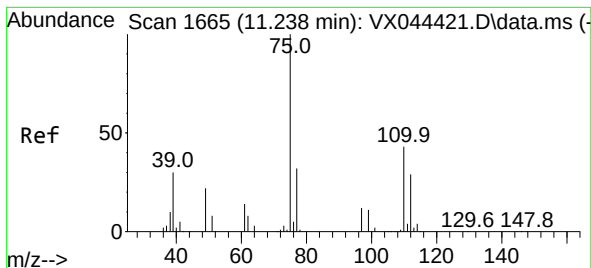
Tgt Ion:106 Resp: 117
 Ion Ratio Lower Upper
 106 100
 91 139.6 147.5 273.9#



#57
 1,1,2,2-Tetrachloroethane
 Concen: 33.257 ug/L
 RT: 11.189 min Scan# 1657
 Delta R.T. -0.018 min
 Lab File: VX044431.D
 Acq: 19 Dec 2024 13:03

Tgt Ion: 83 Resp: 779
 Ion Ratio Lower Upper
 83 100
 85 248.9 46.0 85.4#
 131 360.7 8.8 13.2#





#61

1,2,3-Trichloropropane

Concen: 4.786 ug/L

RT: 12.036 min Scan# 11

Delta R.T. 0.799 min

Lab File: VX044431.D

Acq: 19 Dec 2024 13:03

Instrument :

MSVOA_X

ClientSampleId :

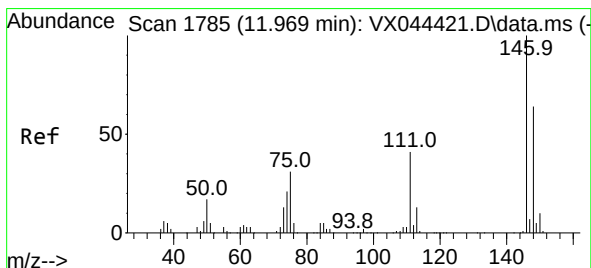
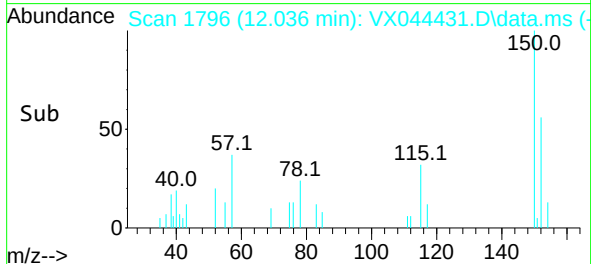
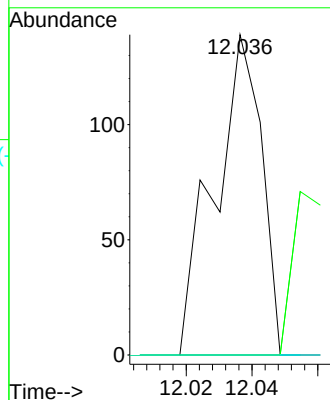
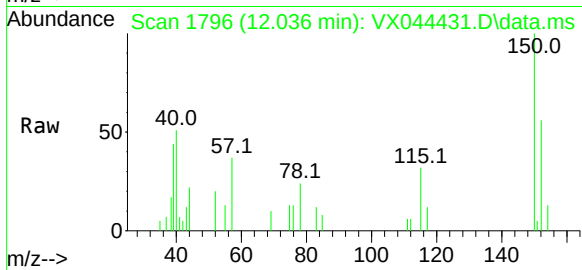
Tgt Ion: 75 Resp: 138

Ion Ratio Lower Upper

75 100

77 36.2 25.8 38.6

110 0.0 33.3 49.9#



#64

1,3-Dichlorobenzene

Concen: 2.987 ug/L

RT: 12.055 min Scan# 1799

Delta R.T. 0.085 min

Lab File: VX044431.D

Acq: 19 Dec 2024 13:03

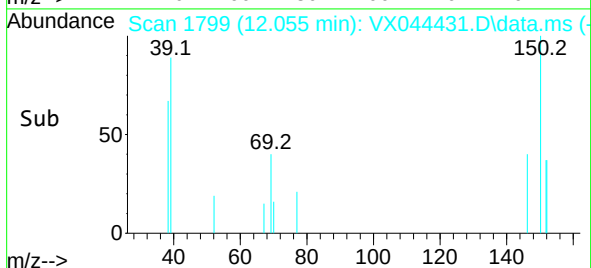
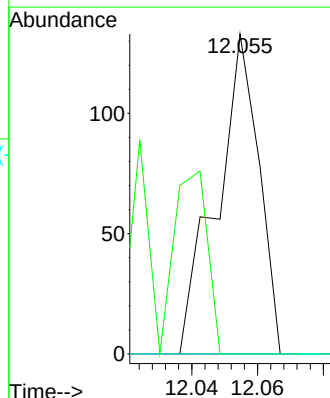
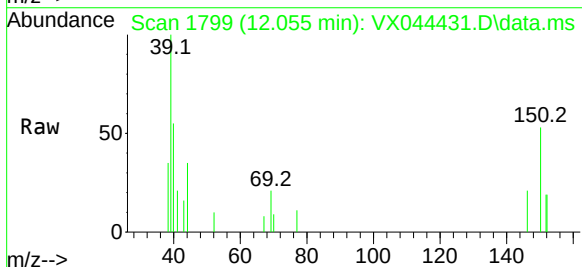
Tgt Ion:146 Resp: 119

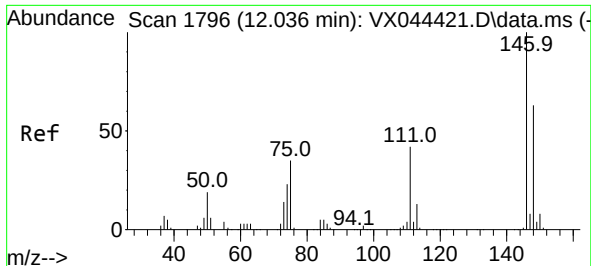
Ion Ratio Lower Upper

146 100

111 0.0 28.8 53.4#

148 0.0 46.1 85.5#





#65

1,4-Dichlorobenzene

Concen: 2.985 ug/L

RT: 12.055 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX044431.D

Acq: 19 Dec 2024 13:03

Instrument :

MSVOA_X

ClientSampleId :

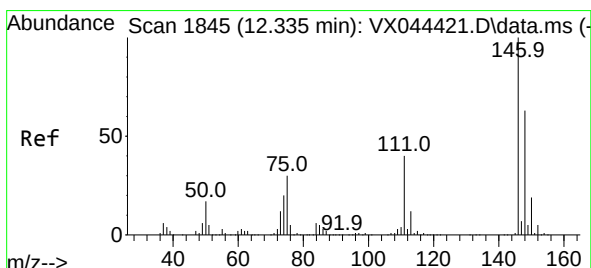
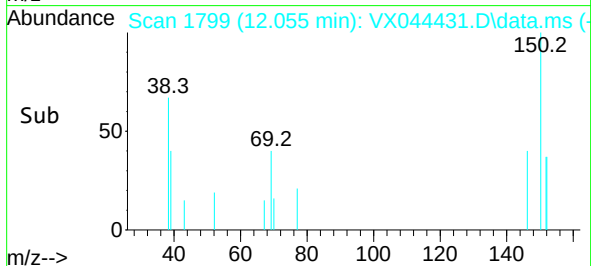
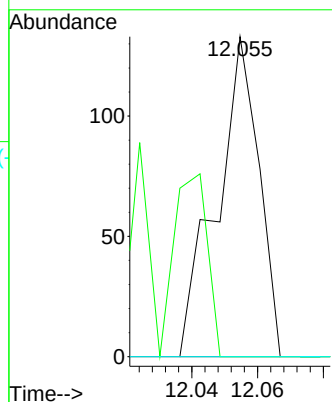
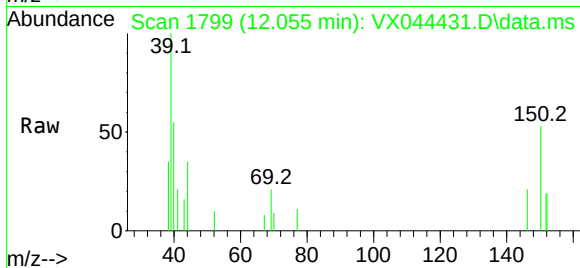
Tgt Ion:146 Resp: 119

Ion Ratio Lower Upper

146 100

111 0.0 29.5 54.7#

148 0.0 43.2 80.2#



#67

1,2-Dichlorobenzene

Concen: 3.930 ug/L

RT: 12.317 min Scan# 1842

Delta R.T. -0.018 min

Lab File: VX044431.D

Acq: 19 Dec 2024 13:03

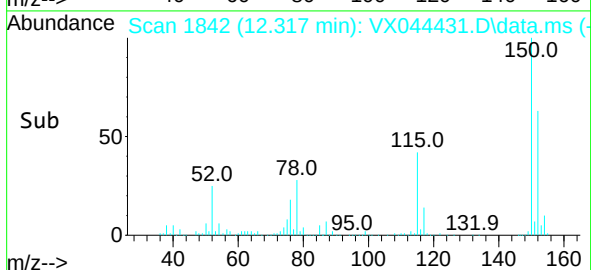
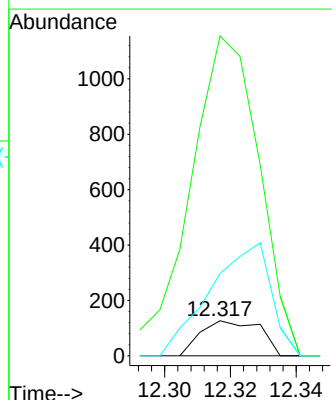
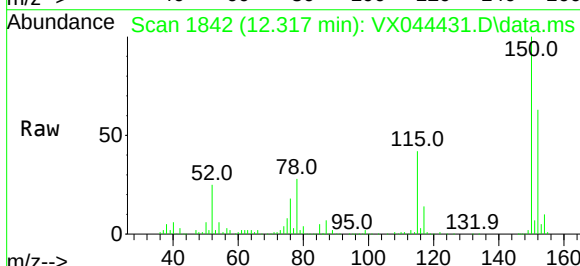
Tgt Ion:146 Resp: 159

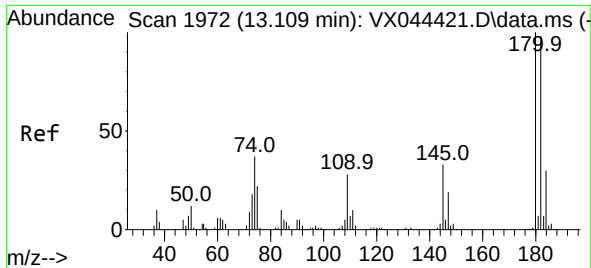
Ion Ratio Lower Upper

146 100

111 909.4 34.3 51.5#

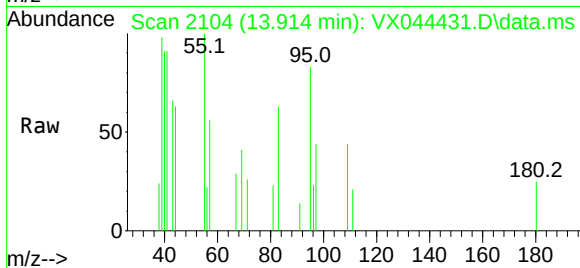
148 234.6 52.6 79.0#



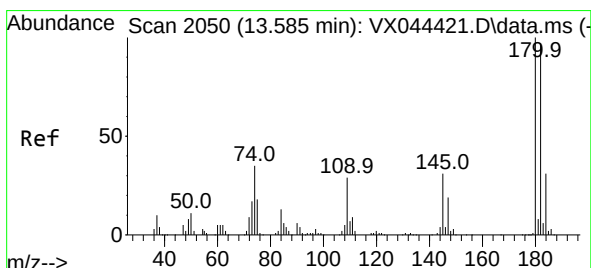
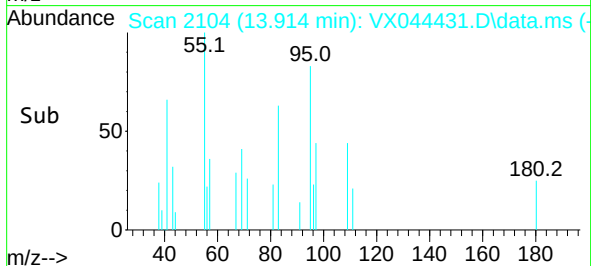
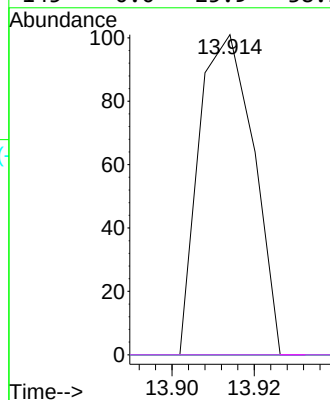


#69
 1,3,5-Trichlorobenzene
 Concen: 3.741 ug/L
 RT: 13.914 min Scan# 2104
 Delta R.T. 0.805 min
 Lab File: VX044431.D
 Acq: 19 Dec 2024 13:03

Instrument :
 MSVOA_X
 ClientSampleId :

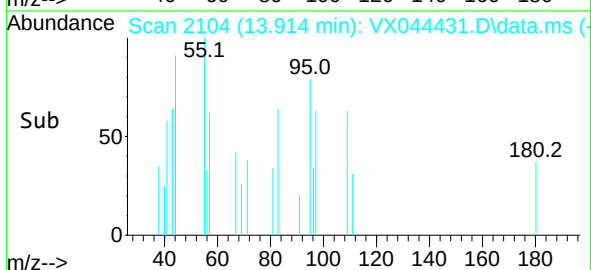
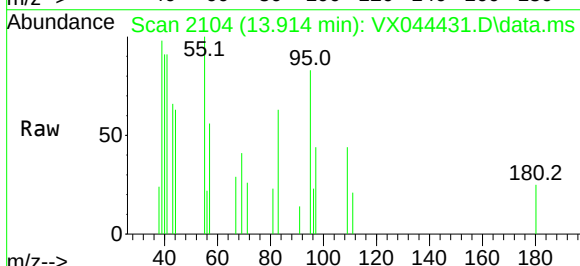
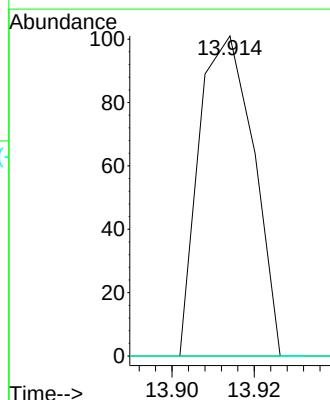


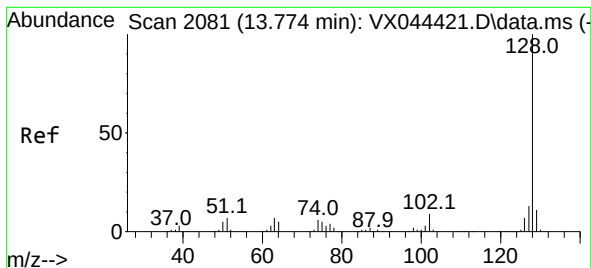
Tgt Ion:180 Resp: 93
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.7 115.1#
 184 0.0 24.2 36.4#
 145 0.0 25.9 38.9#



#70
 1,2,4-trichlorobenzene
 Concen: 4.200 ug/L
 RT: 13.914 min Scan# 2104
 Delta R.T. 0.329 min
 Lab File: VX044431.D
 Acq: 19 Dec 2024 13:03

Tgt Ion:180 Resp: 93
 Ion Ratio Lower Upper
 180 100
 182 0.0 74.1 111.1#
 145 0.0 25.3 37.9#





#71

Naphthalene

Concen: 1.717 ug/L

RT: 13.786 min Scan# 2104

Delta R.T. 0.012 min

Lab File: VX044431.D

Acq: 19 Dec 2024 13:03

Instrument :

MSVOA_X

ClientSampleId :

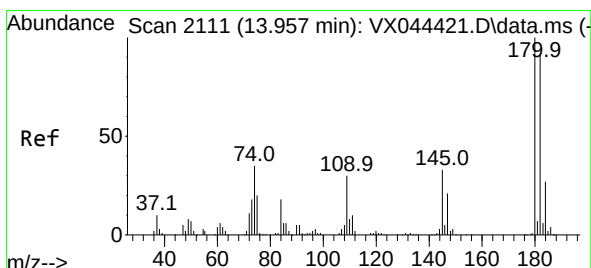
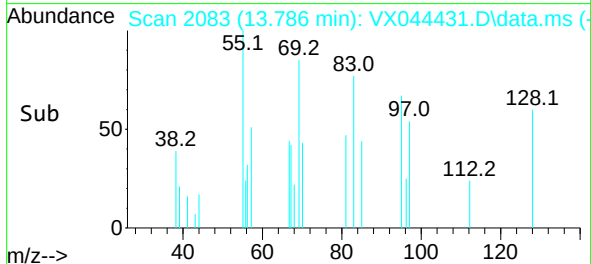
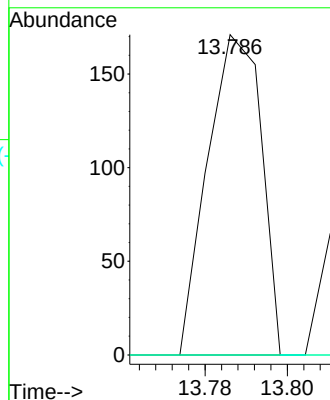
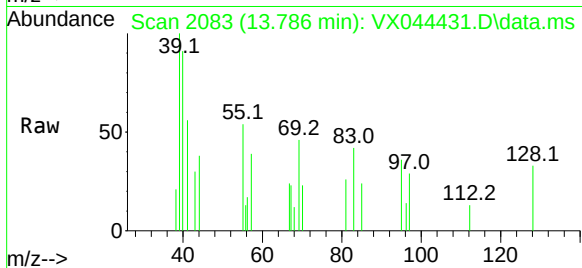
Tgt Ion:128 Resp: 155

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 0.0 8.6 13.0#



#72

1,2,3-Trichlorobenzene

Concen: 3.954 ug/L

RT: 13.914 min Scan# 2104

Delta R.T. -0.049 min

Lab File: VX044431.D

Acq: 19 Dec 2024 13:03

Tgt Ion:180 Resp: 93

Ion Ratio Lower Upper

180 100

182 52.7 73.8 110.6#

145 0.0 27.4 41.2#

