

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041524\
 Data File : VV035224.D
 Acq On : 16 Apr 2024 02:06
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 16 06:10:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR041524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 16 00:33:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	157747	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	166716	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	86533	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	45115	3.054	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.000%
7) Chloroethane-d5	1.532	69	48848	4.256	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.200%
11) 1,1-Dichloroethene-d2	2.060	65	23185	3.700	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.000%
20) 2-Butanone-d5	3.825	46	162269	64.951	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.900%
24) Chloroform-d	4.249	84	116022	5.024	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
26) 1,2-Dichloroethane-d4	4.944	65	57100	5.194	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.800%
32) Benzene-d6	4.960	84	210898	4.453	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
36) 1,2-Dichloropropane-d6	5.989	67	68728	4.666	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.400%
41) Toluene-d8	7.243	98	185538	4.362	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
43) trans-1,3-Dichloroprop...	7.558	79	20654	3.929	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.600%
46) 2-Hexanone-d5	8.027	63	127133	58.066	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.140%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	59222	5.220	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.400%
66) 1,2-Dichlorobenzene-d4	11.558	152	68841	4.476	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	56285	3.769	ug/L	99
3) Chloromethane	1.214	50	73950	4.246	ug/L	99
5) Vinyl chloride	1.282	62	79375	4.646	ug/L	99
6) Bromomethane	1.487	94	34986	3.573	ug/L	99
8) Chloroethane	1.549	64	55097	5.238	ug/L	100
9) Trichlorofluoromethane	1.712	101	109596	5.384	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	66326	5.306	ug/L	98
12) 1,1-Dichloroethene	2.069	96	62972	5.258	ug/L	84
13) Acetone	2.153	43	113261	67.275	ug/L	73
14) Carbon disulfide	2.240	76	163135	4.318	ug/L	99
15) Methyl Acetate	2.391	43	27064	6.103	ug/L #	90
16) Methylene chloride	2.446	84	81518	5.405	ug/L	98
17) Methyl tert-butyl Ether	2.706	73	163536	6.050	ug/L	99
18) trans-1,2-Dichloroethene	2.693	96	65216	5.329	ug/L	97
19) 1,1-Dichloroethane	3.111	63	144430	5.869	ug/L	98
21) 2-Butanone	3.902	43	165259	59.971	ug/L #	73
22) cis-1,2-Dichloroethene	3.815	96	74303	5.906	ug/L	99
23) Bromochloromethane	4.150	128	33204	5.835	ug/L	94
25) Chloroform	4.278	83	144273	6.029	ug/L	100

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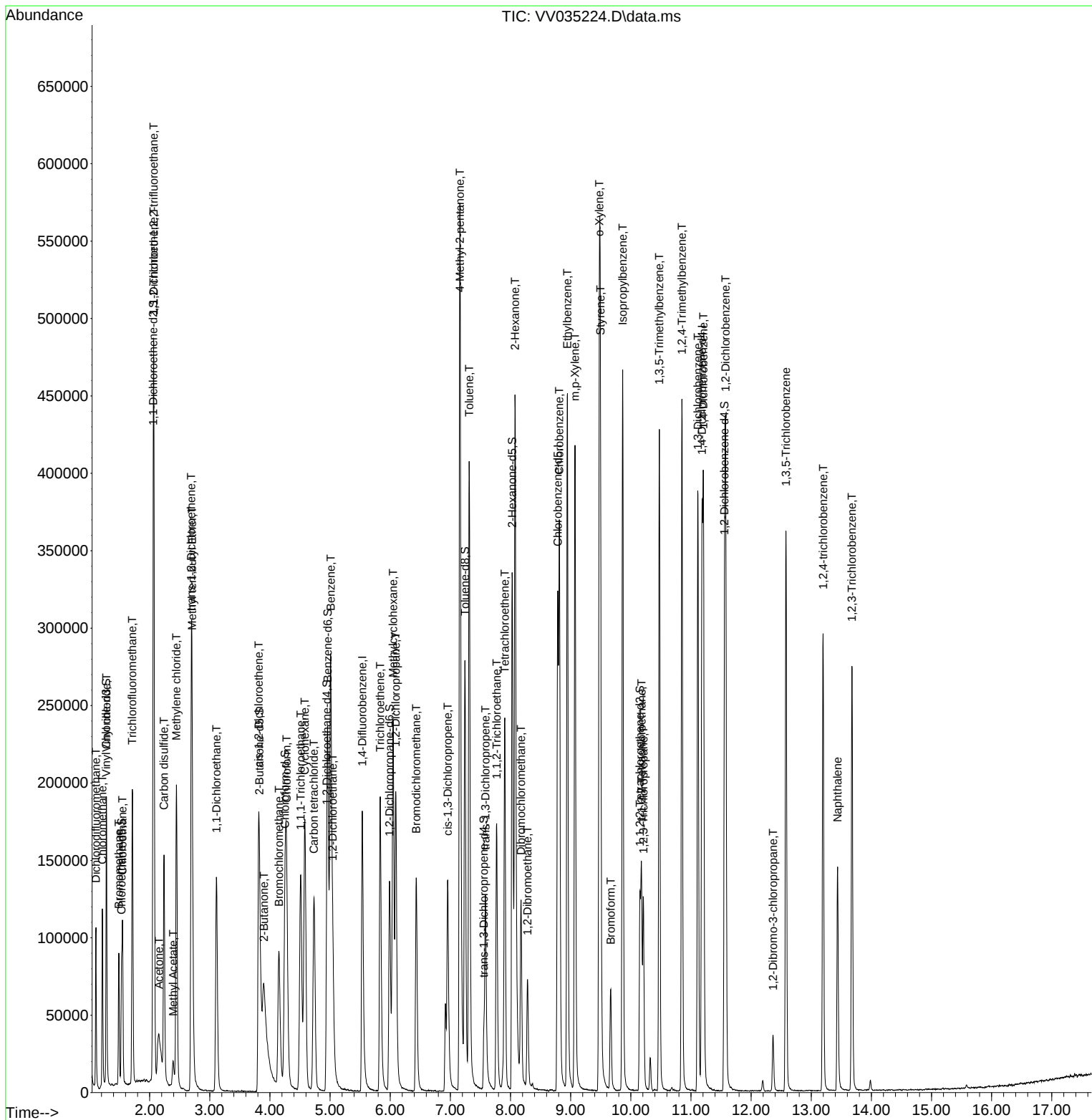
Instrument :
 MSVOA_V
 ClientSampleId :

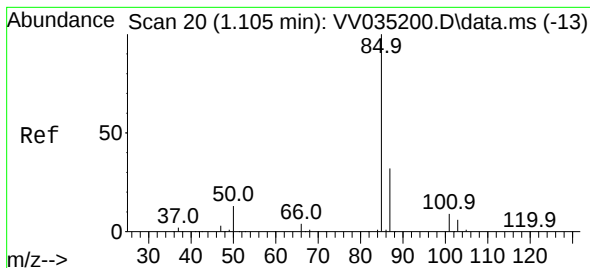
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.044	62	85123	6.066	ug/L	100
29) 1,1,1-Trichloroethane	4.513	97	115920	5.525	ug/L	99
30) Cyclohexane	4.581	56	91376	4.572	ug/L	99
31) Carbon tetrachloride	4.732	117	96041	5.365	ug/L	99
33) Benzene	5.011	78	289481	5.524	ug/L	100
34) Trichloroethene	5.835	95	71233	5.167	ug/L	99
35) Methylcyclohexane	6.050	83	93133	4.485	ug/L	99
37) 1,2-Dichloropropane	6.092	63	78307	5.650	ug/L	99
38) Bromodichloromethane	6.433	83	98355	5.829	ug/L	98
39) cis-1,3-Dichloropropene	6.957	75	91594	4.972	ug/L	96
40) 4-Methyl-2-pentanone	7.159	43	418956	57.380	ug/L	98
42) Toluene	7.314	91	305330	5.618	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	79489	5.337	ug/L	96
45) 1,1,2-Trichloroethane	7.770	97	55139	5.734	ug/L	98
47) Tetrachloroethene	7.905	164	54394	4.974	ug/L	98
48) 2-Hexanone	8.076	43	309965	57.386	ug/L	99
49) Dibromochloromethane	8.175	129	58895	5.929	ug/L	99
50) 1,2-Dibromoethane	8.285	107	49928	5.529	ug/L	96
51) Chlorobenzene	8.812	112	193537	5.502	ug/L	99
52) Ethylbenzene	8.947	91	312644	5.369	ug/L	99
53) m,p-Xylene	9.072	106	113486	5.289	ug/L	99
54) o-Xylene	9.477	106	115014	5.554	ug/L	96
55) Styrene	9.497	104	201726	5.790	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.178	83	70670	5.997	ug/L	97
59) Bromoform	9.667	173	29640	5.750	ug/L	99
60) Isopropylbenzene	9.866	105	286802	5.159	ug/L	100
61) 1,2,3-Trichloropropane	10.211	75	50460	5.808	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	225546	5.025	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	234133	5.279	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	153356	5.482	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	151179	5.174	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	144258	5.553	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	9662	5.634	ug/L	91
69) 1,3,5-Trichlorobenzene	12.580	180	110948	5.225	ug/L	100
70) 1,2,4-trichlorobenzene	13.198	180	89974	5.080	ug/L	98
71) Naphthalene	13.439	128	115392	4.534	ug/L	98
72) 1,2,3-Trichlorobenzene	13.677	180	83592	5.317	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 3.769 ug/L

RT: 1.108 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

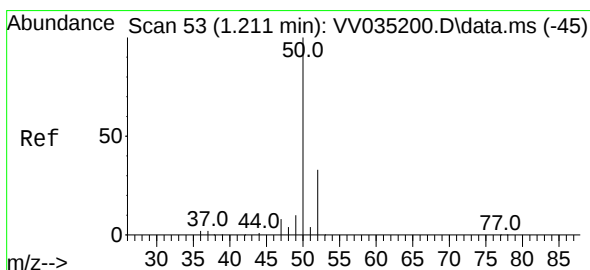
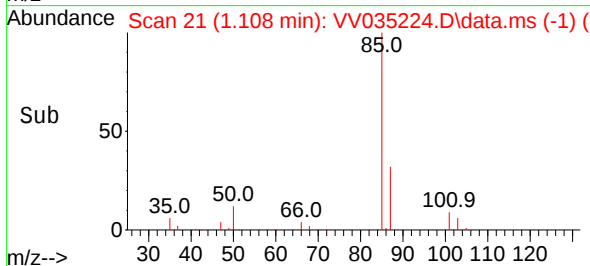
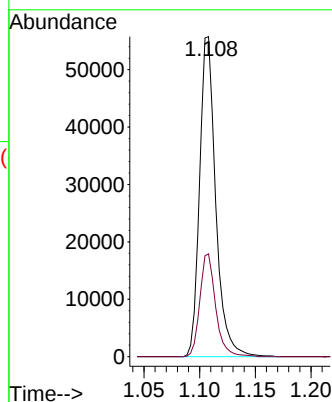
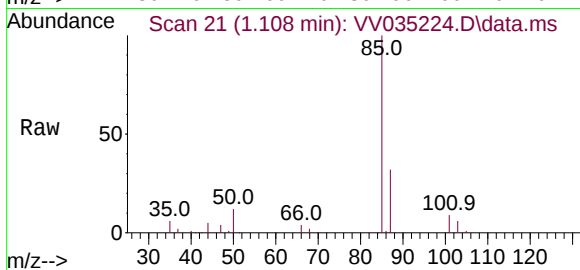
ClientSampleId :

Tgt Ion: 85 Resp: 56285

Ion Ratio Lower Upper

85 100

87 31.4 25.8 38.6



#3

Chloromethane

Concen: 4.246 ug/L

RT: 1.214 min Scan# 54

Delta R.T. 0.003 min

Lab File: VV035224.D

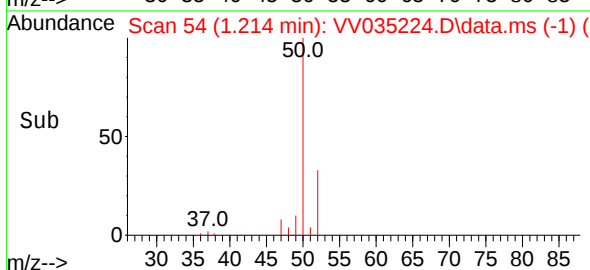
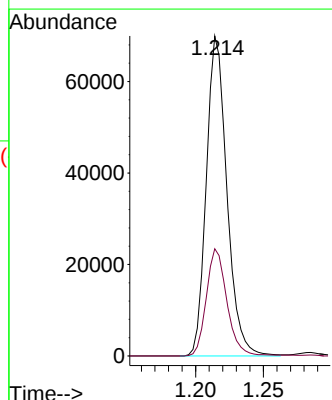
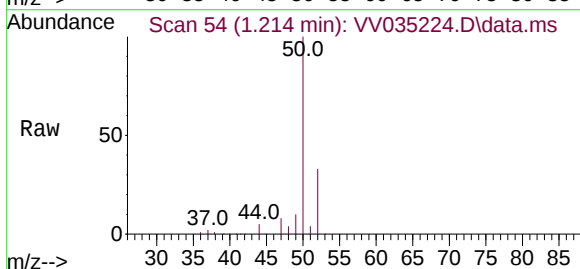
Acq: 16 Apr 2024 02:06

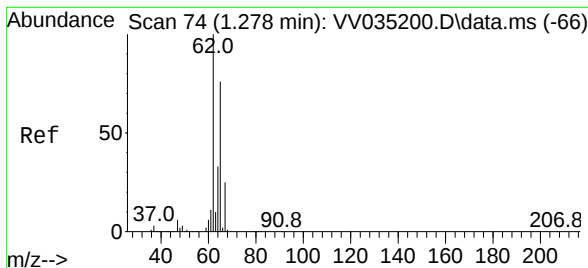
Tgt Ion: 50 Resp: 73950

Ion Ratio Lower Upper

50 100

52 33.5 23.7 43.9





#5

Vinyl chloride

Concen: 4.646 ug/L

RT: 1.282 min Scan# 74

Delta R.T. 0.003 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

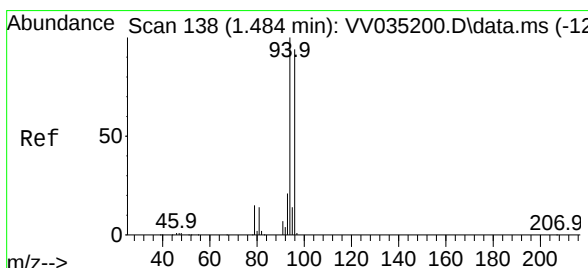
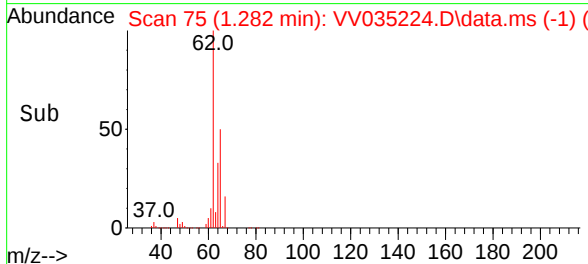
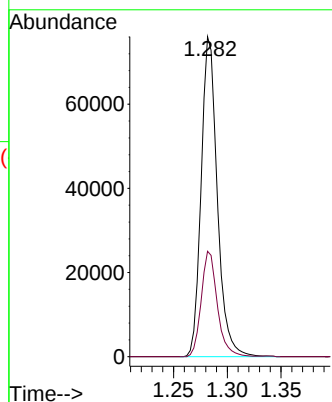
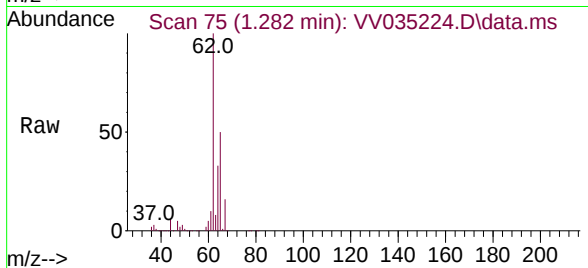
ClientSampleId :

Tgt Ion: 62 Resp: 79375

Ion Ratio Lower Upper

62 100

64 33.0 22.8 42.4



#6

Bromomethane

Concen: 3.573 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.003 min

Lab File: VV035224.D

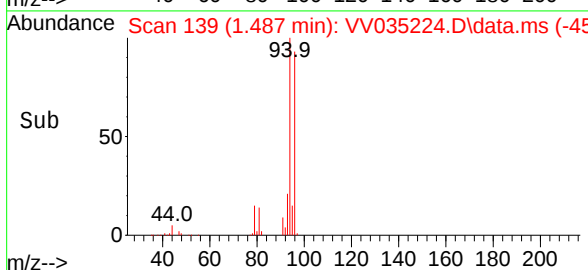
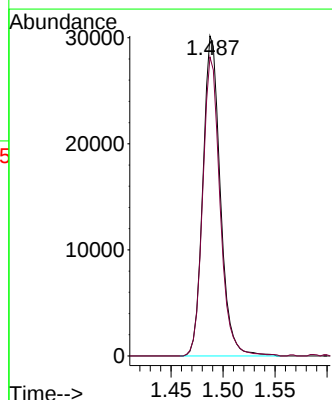
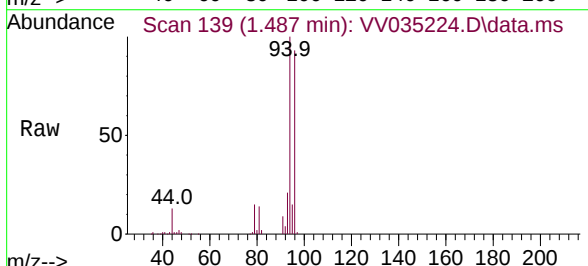
Acq: 16 Apr 2024 02:06

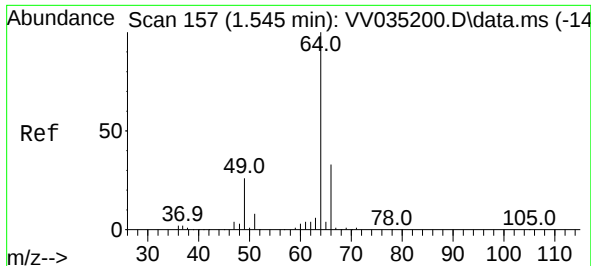
Tgt Ion: 94 Resp: 34986

Ion Ratio Lower Upper

94 100

96 93.4 65.7 122.1

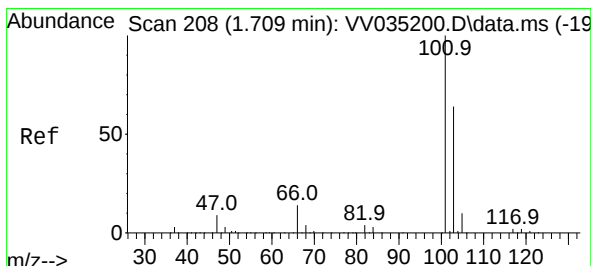
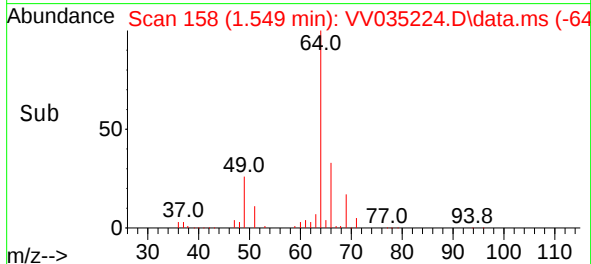
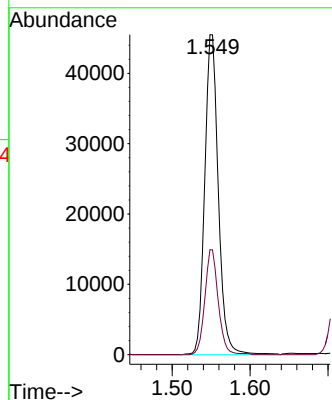
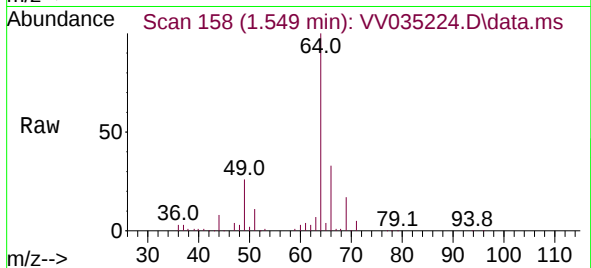




#8
Chloroethane
Concen: 5.238 ug/L
RT: 1.549 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV035224.D
Acq: 16 Apr 2024 02:06

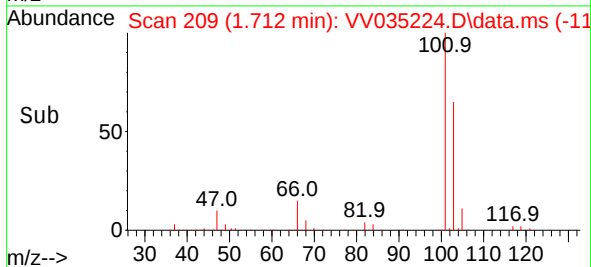
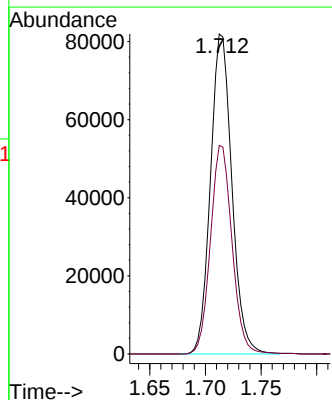
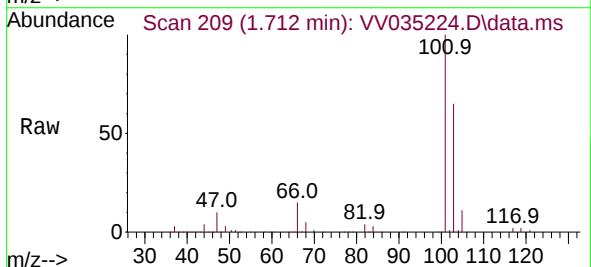
Instrument :
MSVOA_V
ClientSampleId :

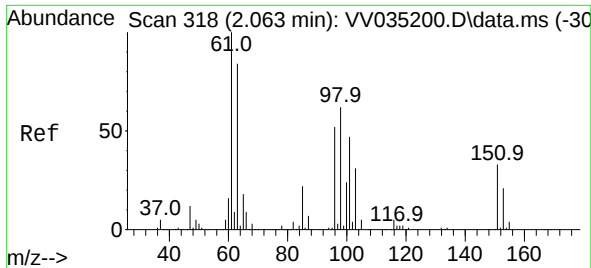
Tgt Ion: 64 Resp: 55097
Ion Ratio Lower Upper
64 100
66 32.8 23.0 42.6



#9
Trichlorofluoromethane
Concen: 5.384 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.003 min
Lab File: VV035224.D
Acq: 16 Apr 2024 02:06

Tgt Ion:101 Resp: 109596
Ion Ratio Lower Upper
101 100
103 65.4 51.4 77.2





#10

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

Concen: 5.306 ug/L

RT: 2.069 min Scan# 318

Delta R.T. 0.007 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

ClientSampleId :

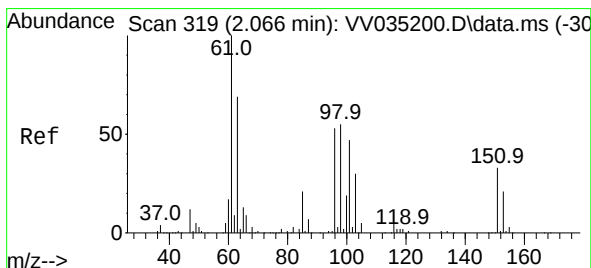
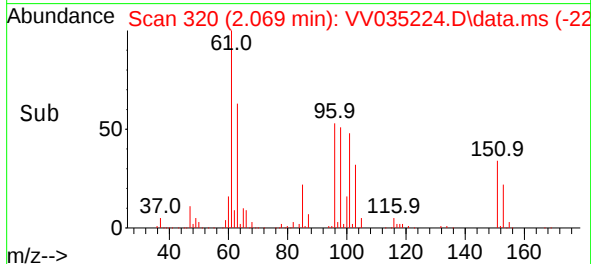
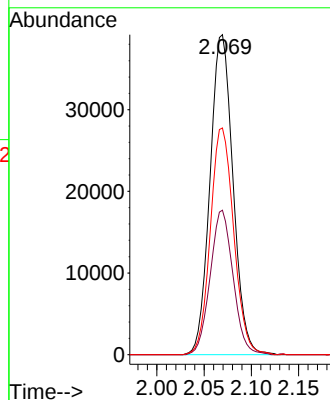
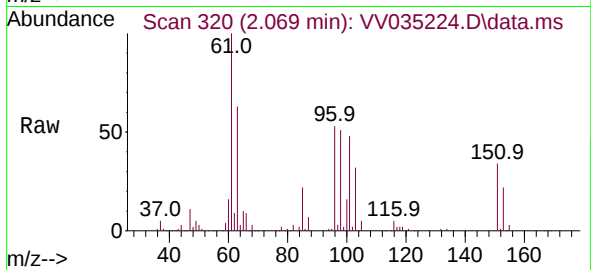
Tgt Ion:101 Resp: 66326

Ion Ratio Lower Upper

101 100

85 44.9 35.8 53.6

151 72.1 56.2 84.2



#12

1,1-Dichloroethene

Concen: 5.258 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.003 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

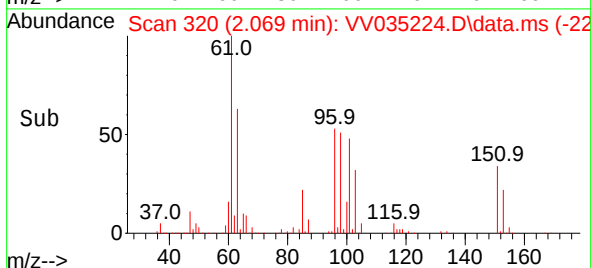
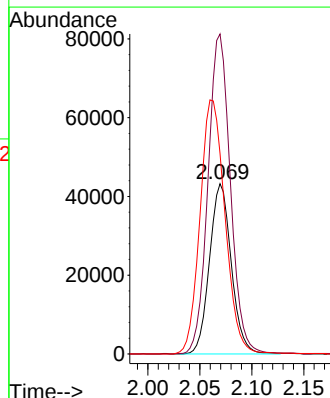
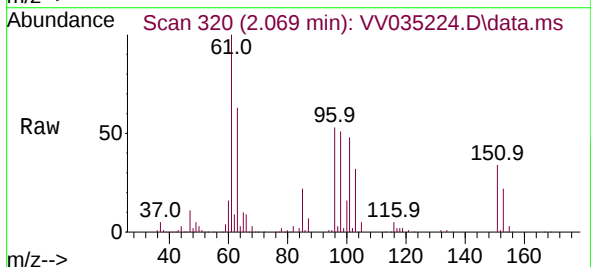
Tgt Ion: 96 Resp: 62972

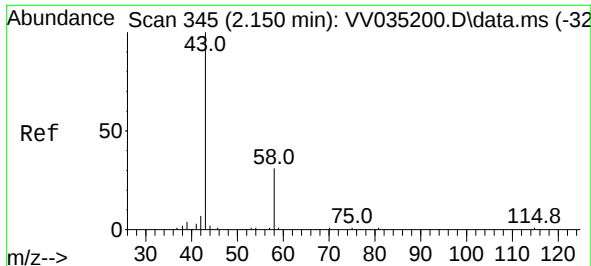
Ion Ratio Lower Upper

96 100

61 188.0 133.5 247.9

63 117.7 112.5 208.9





#13

Acetone

Concen: 67.275 ug/L

RT: 2.153 min Scan# 345

Delta R.T. 0.003 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

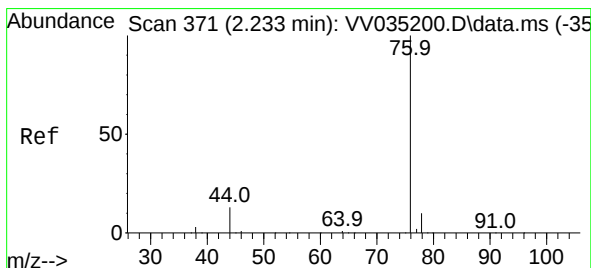
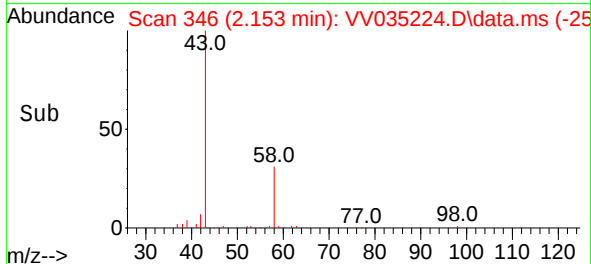
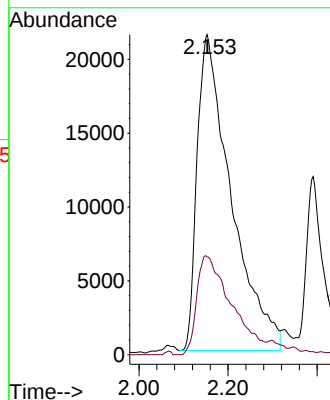
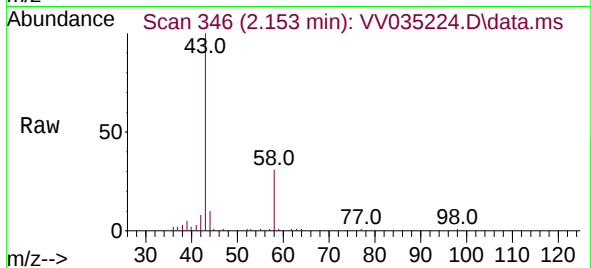
ClientSampleId :

Tgt Ion: 43 Resp: 113261

Ion Ratio Lower Upper

43 100

58 31.8 0.0 39.2



#14

Carbon disulfide

Concen: 4.318 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.007 min

Lab File: VV035224.D

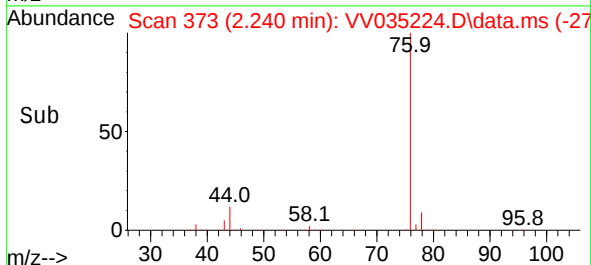
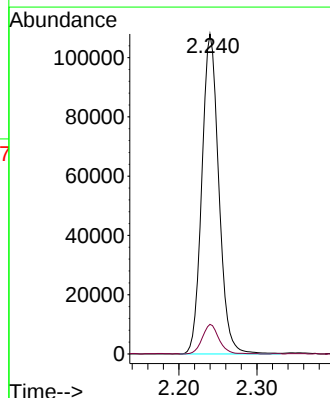
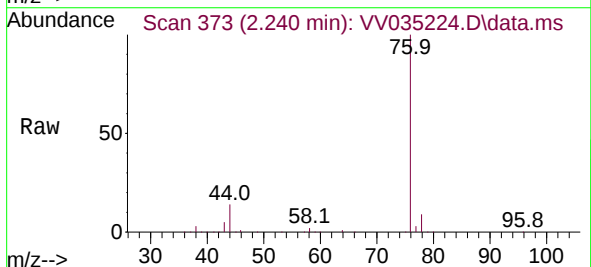
Acq: 16 Apr 2024 02:06

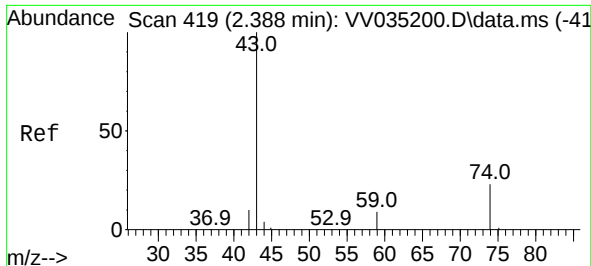
Tgt Ion: 76 Resp: 163135

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

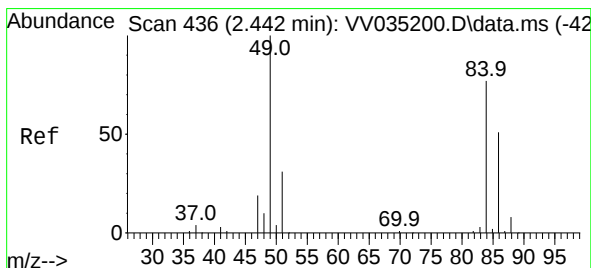
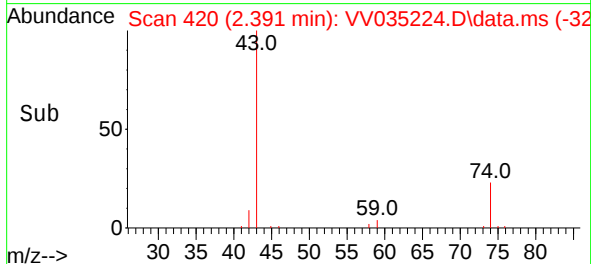
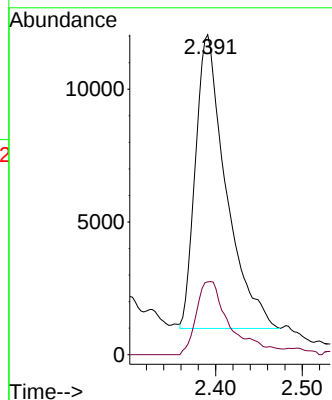
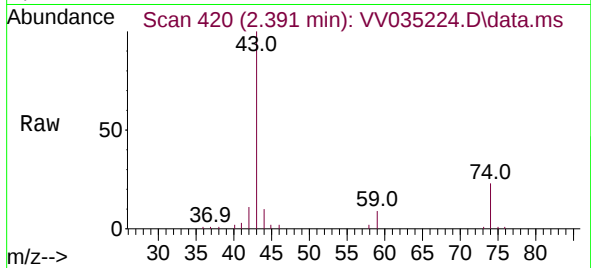




#15
Methyl Acetate
Concen: 6.103 ug/L
RT: 2.391 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV035224.D
Acq: 16 Apr 2024 02:06

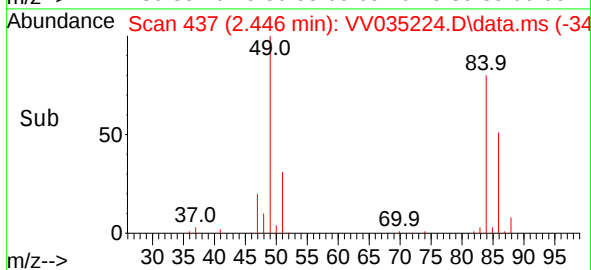
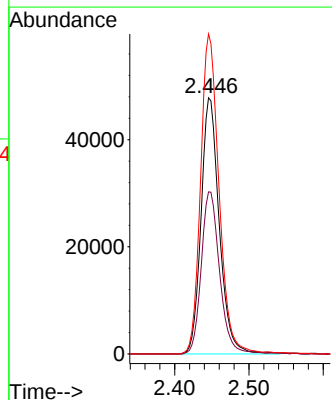
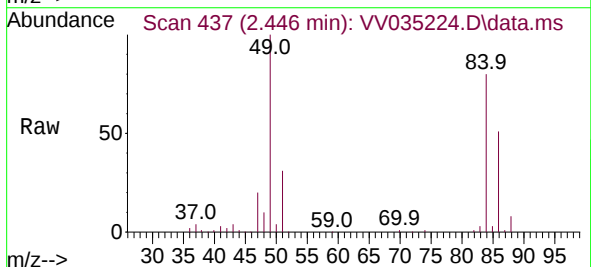
Instrument :
MSVOA_V
ClientSampleId :

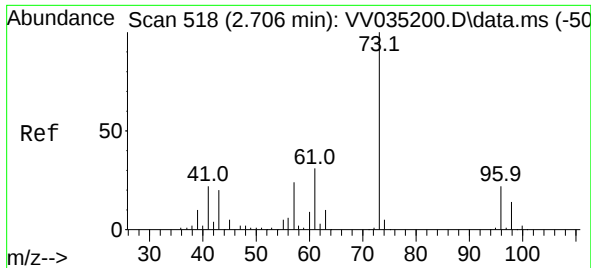
Tgt Ion: 43 Resp: 27064
Ion Ratio Lower Upper
43 100
74 27.7 18.3 27.5#



#16
Methylene chloride
Concen: 5.405 ug/L
RT: 2.446 min Scan# 437
Delta R.T. 0.003 min
Lab File: VV035224.D
Acq: 16 Apr 2024 02:06

Tgt Ion: 84 Resp: 81518
Ion Ratio Lower Upper
84 100
86 63.3 45.6 84.6
49 125.0 89.5 166.1





#17

Methyl tert-butyl Ether

Concen: 6.050 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

ClientSampleId :

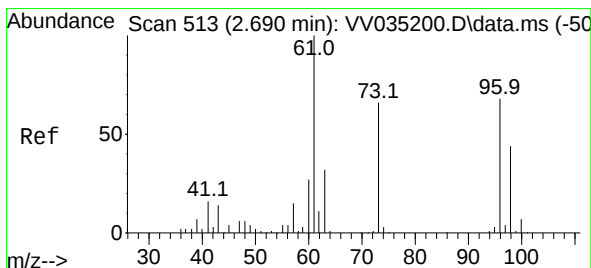
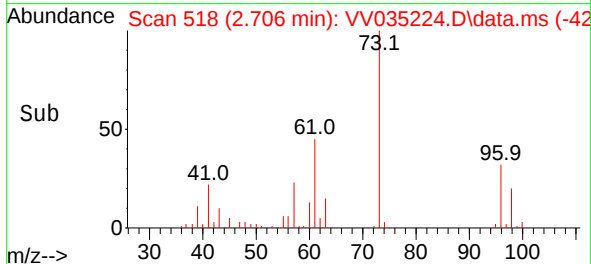
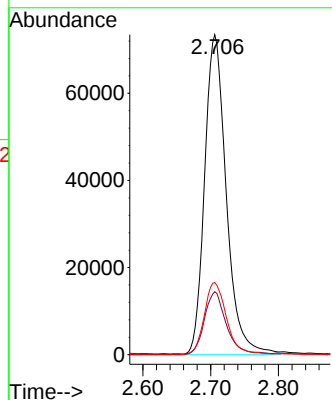
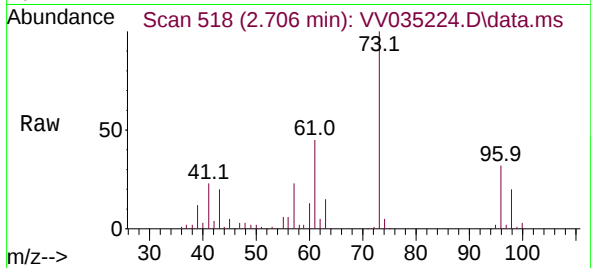
Tgt Ion: 73 Resp: 163536

Ion Ratio Lower Upper

73 100

43 19.2 15.7 23.5

57 23.0 18.1 27.1



#18

trans-1,2-Dichloroethene

Concen: 5.329 ug/L

RT: 2.693 min Scan# 514

Delta R.T. 0.003 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

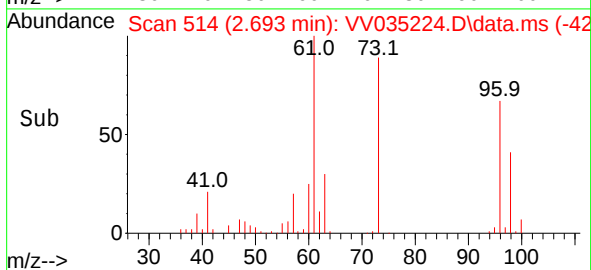
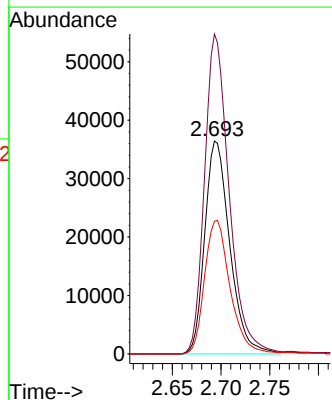
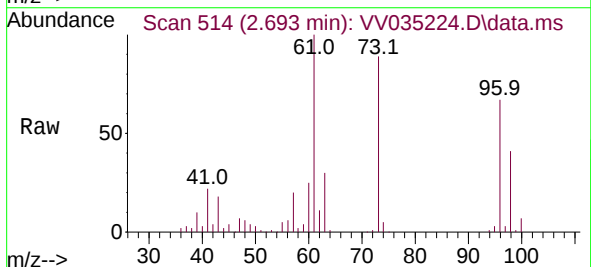
Tgt Ion: 96 Resp: 65216

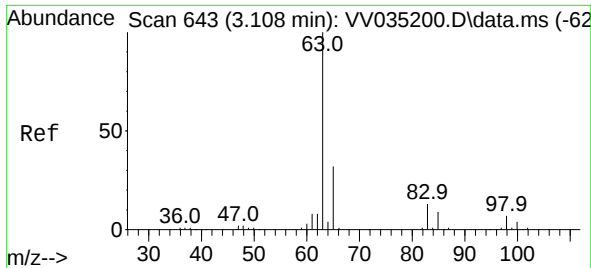
Ion Ratio Lower Upper

96 100

61 150.2 101.8 189.2

98 62.2 44.7 82.9

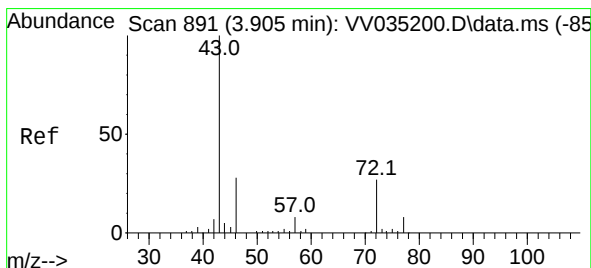
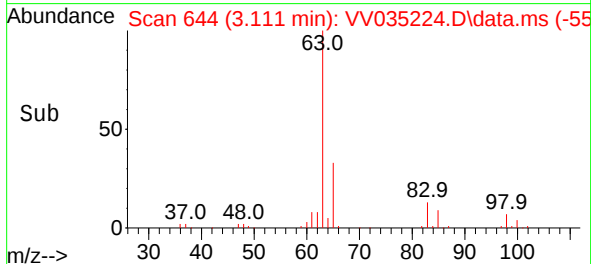
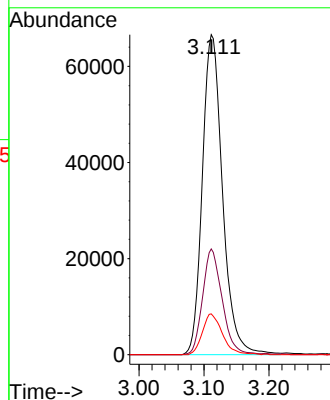
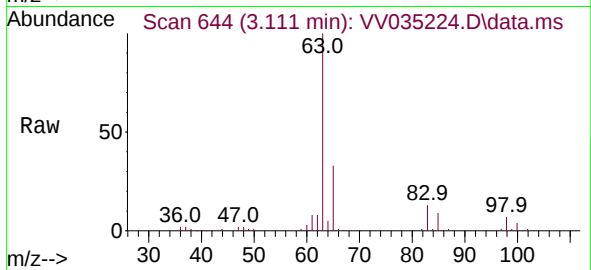




#19
1,1-Dichloroethane
Concen: 5.869 ug/L
RT: 3.111 min Scan# 64
Delta R.T. 0.003 min
Lab File: VV035224.D
Acq: 16 Apr 2024 02:06

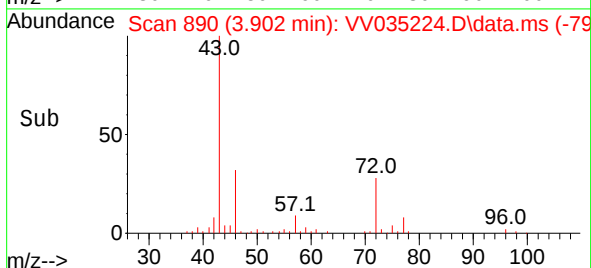
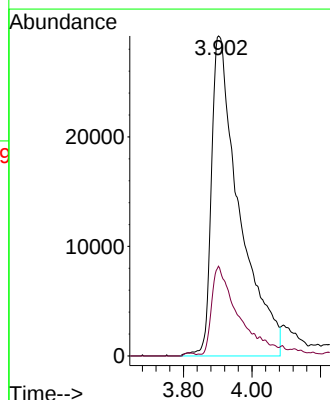
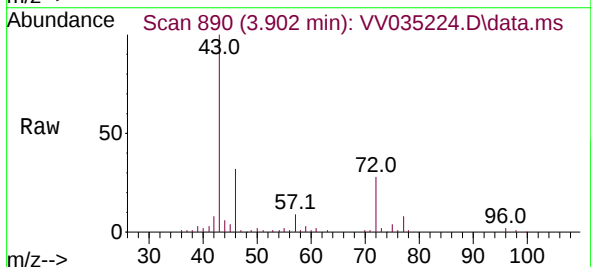
Instrument :
MSVOA_V
ClientSampleId :

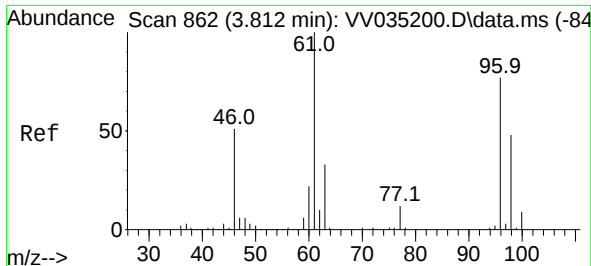
Tgt Ion: 63 Resp: 144430
Ion Ratio Lower Upper
63 100
65 33.0 22.2 41.2
83 12.7 9.4 17.4



#21
2-Butanone
Concen: 59.971 ug/L
RT: 3.902 min Scan# 890
Delta R.T. -0.003 min
Lab File: VV035224.D
Acq: 16 Apr 2024 02:06

Tgt Ion: 43 Resp: 165259
Ion Ratio Lower Upper
43 100
72 23.3 6.3 18.8#





#22

cis-1,2-Dichloroethene

Concen: 5.906 ug/L

RT: 3.815 min Scan# 862

Delta R.T. 0.003 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

ClientSampleId :

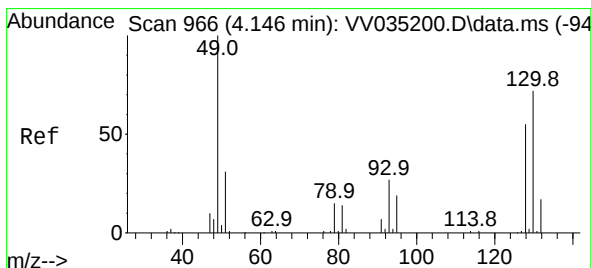
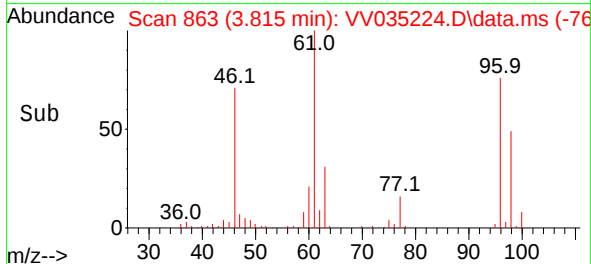
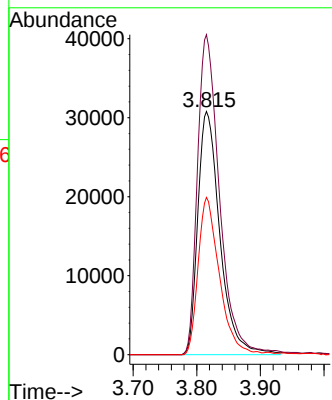
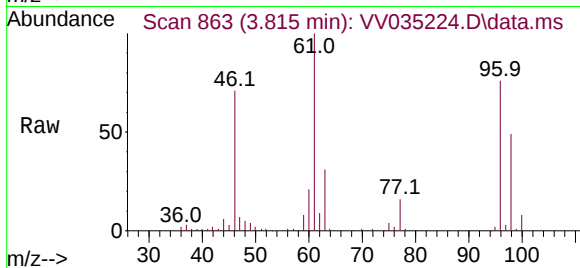
Tgt Ion: 96 Resp: 74303

Ion Ratio Lower Upper

96 100

61 131.6 92.8 172.4

98 64.7 45.5 84.5



#23

Bromochloromethane

Concen: 5.835 ug/L

RT: 4.150 min Scan# 967

Delta R.T. 0.003 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Tgt Ion:128 Resp: 33204

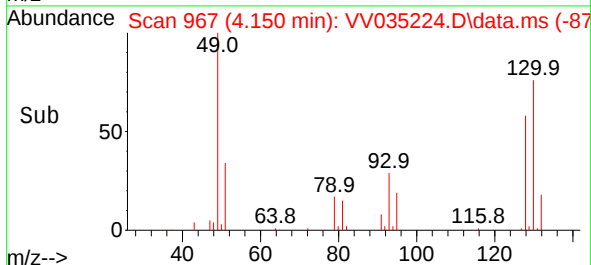
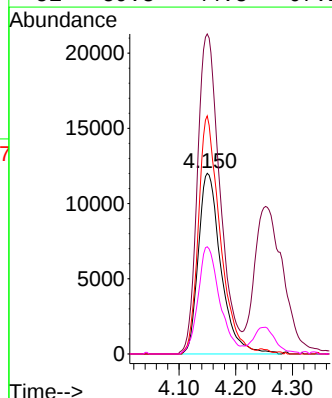
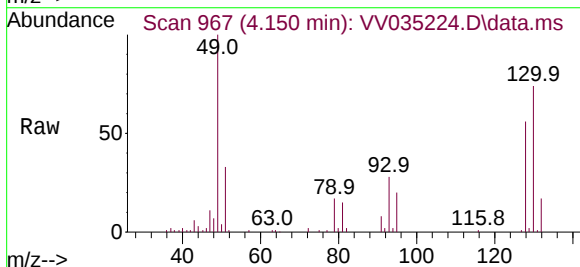
Ion Ratio Lower Upper

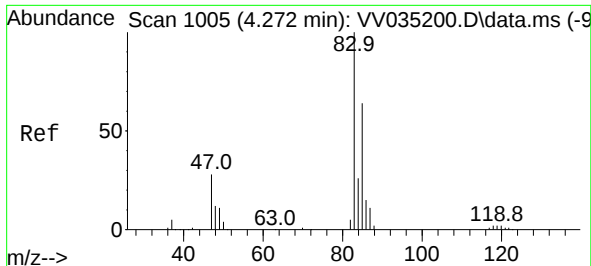
128 100

49 177.1 119.8 222.4

130 131.8 85.2 158.2

51 59.3 44.8 67.2





#25

Chloroform

Concen: 6.029 ug/L

RT: 4.278 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

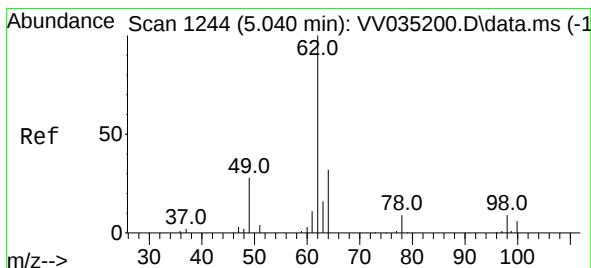
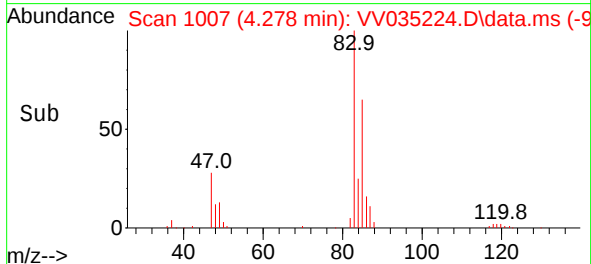
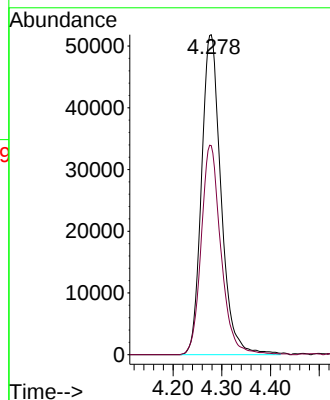
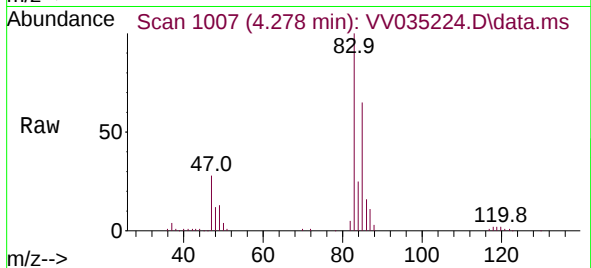
ClientSampleId :

Tgt Ion: 83 Resp: 144273

Ion Ratio Lower Upper

83 100

85 65.4 46.0 85.4



#27

1,2-Dichloroethane

Concen: 6.066 ug/L

RT: 5.044 min Scan# 1245

Delta R.T. 0.003 min

Lab File: VV035224.D

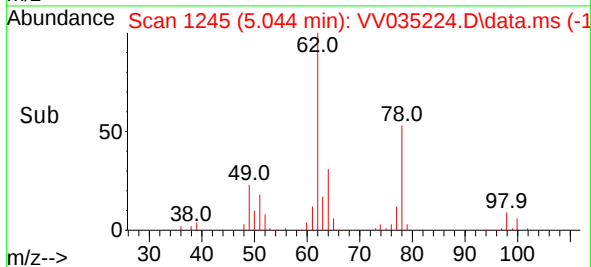
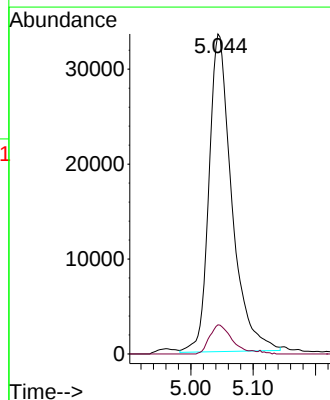
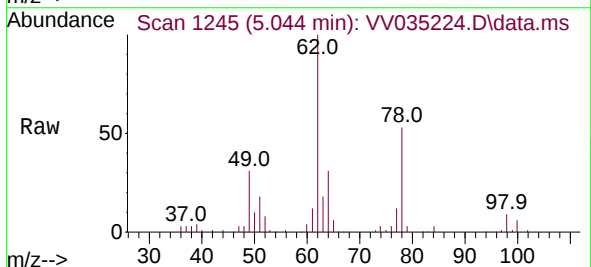
Acq: 16 Apr 2024 02:06

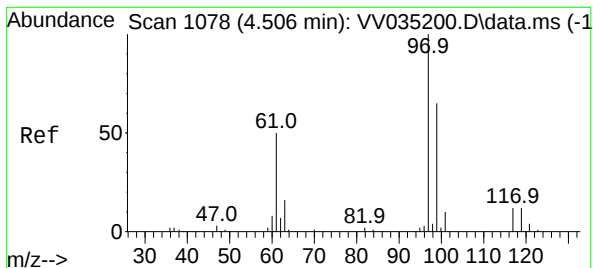
Tgt Ion: 62 Resp: 85123

Ion Ratio Lower Upper

62 100

98 9.1 7.3 10.9





#29

1,1,1-Trichloroethane

Concen: 5.525 ug/L

RT: 4.513 min Scan# 1100

Delta R.T. 0.007 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

ClientSampleId :

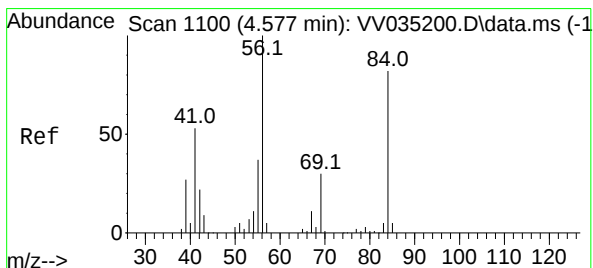
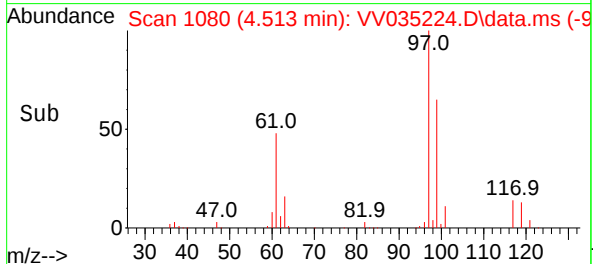
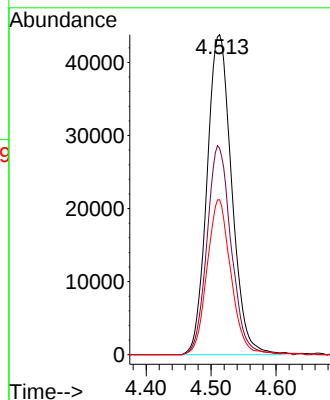
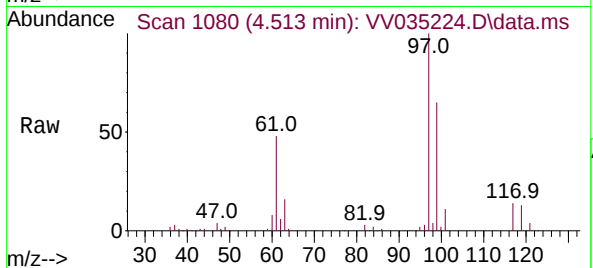
Tgt Ion: 97 Resp: 115920

Ion Ratio Lower Upper

97 100

99 63.9 51.4 77.2

61 46.8 38.3 57.5



#30

Cyclohexane

Concen: 4.572 ug/L

RT: 4.581 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

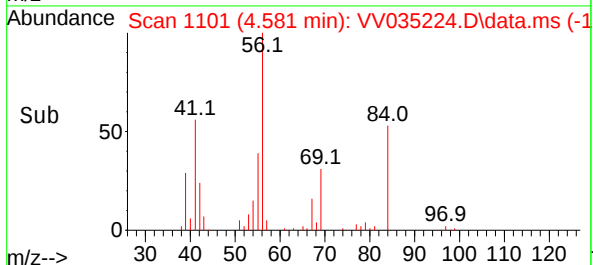
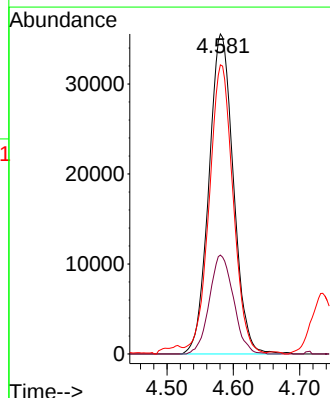
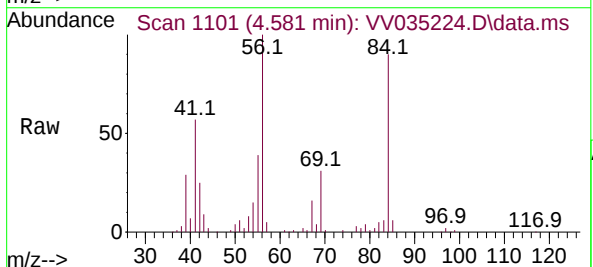
Tgt Ion: 56 Resp: 91376

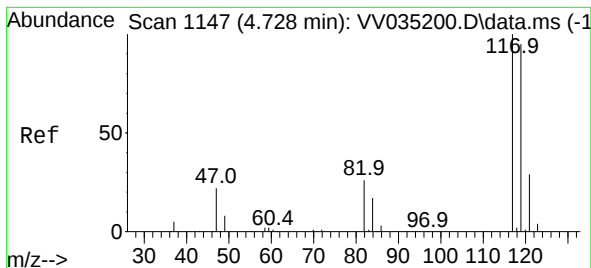
Ion Ratio Lower Upper

56 100

69 30.3 24.8 37.2

84 87.4 69.4 104.2





#31

Carbon tetrachloride

Concen: 5.365 ug/L

RT: 4.732 min Scan# 1148

Delta R.T. 0.003 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

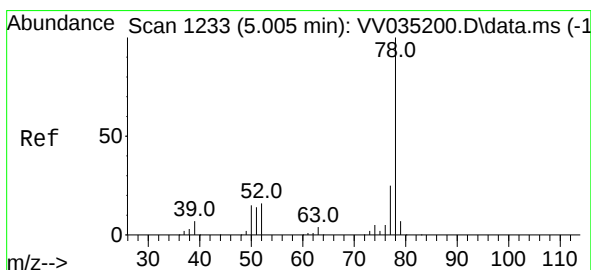
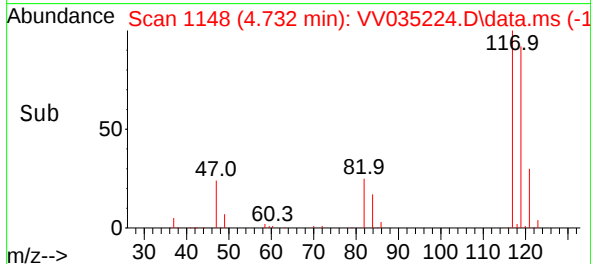
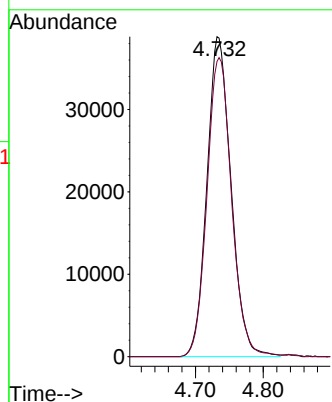
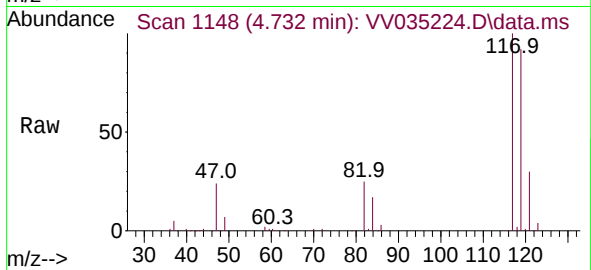
ClientSampleId :

Tgt Ion:117 Resp: 96041

Ion Ratio Lower Upper

117 100

119 95.5 77.0 115.6



#33

Benzene

Concen: 5.524 ug/L

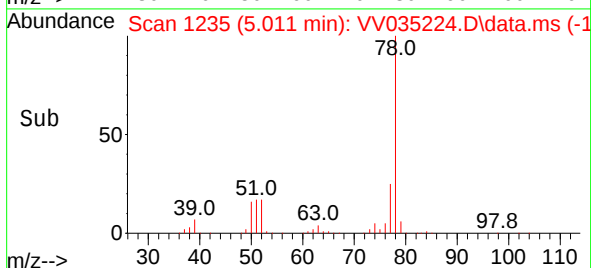
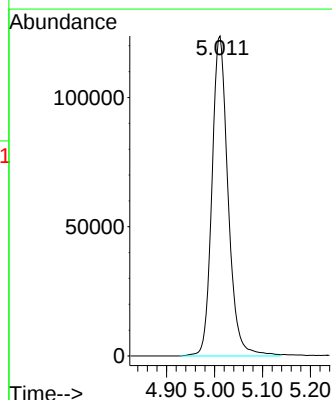
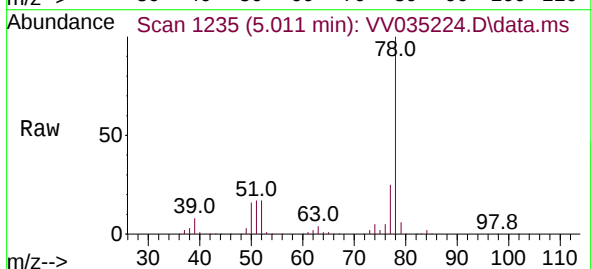
RT: 5.011 min Scan# 1235

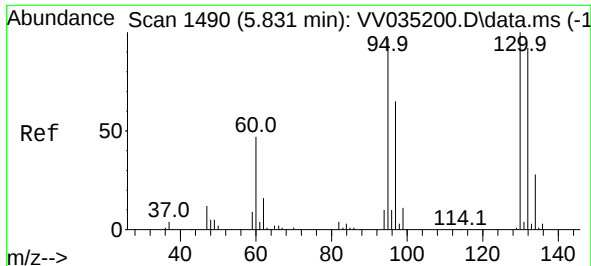
Delta R.T. 0.007 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Tgt Ion: 78 Resp: 289481

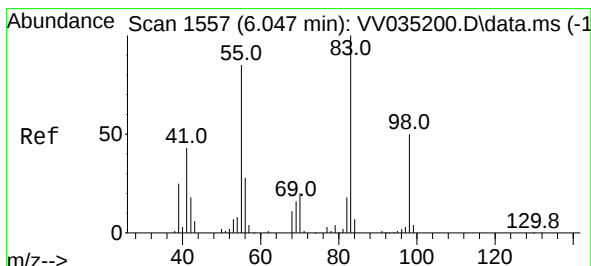
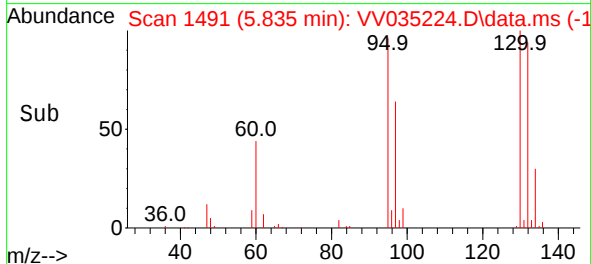
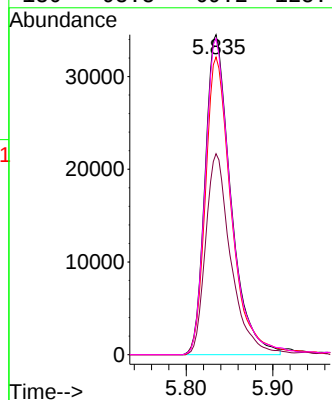
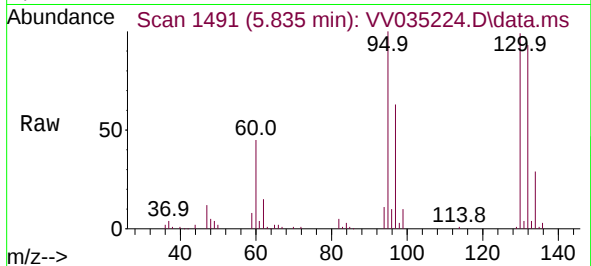




#34
Trichloroethene
Concen: 5.167 ug/L
RT: 5.835 min Scan# 1491
Delta R.T. 0.003 min
Lab File: VV035224.D
Acq: 16 Apr 2024 02:06

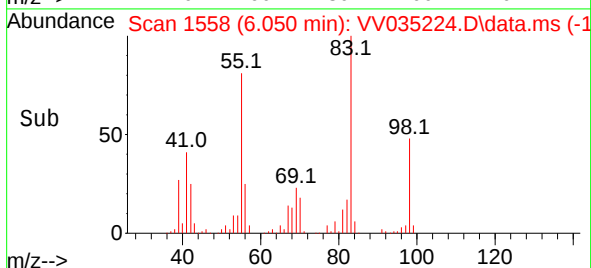
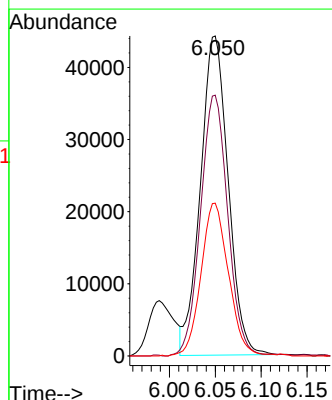
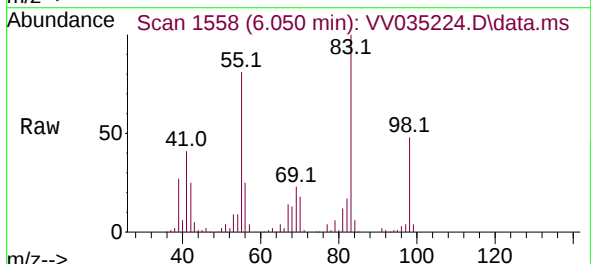
Instrument :
MSVOA_V
ClientSampleId :

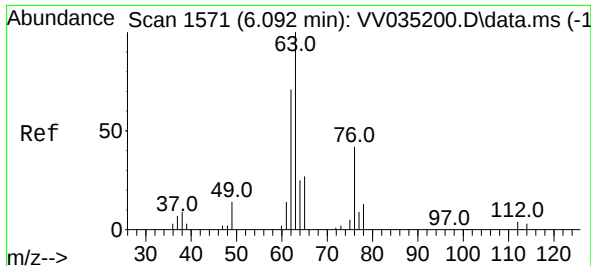
Tgt Ion: 95 Resp: 71233
Ion Ratio Lower Upper
95 100
97 62.8 44.7 82.9
132 93.0 64.8 120.3
130 98.8 69.2 128.4



#35
Methylcyclohexane
Concen: 4.485 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.003 min
Lab File: VV035224.D
Acq: 16 Apr 2024 02:06

Tgt Ion: 83 Resp: 93133
Ion Ratio Lower Upper
83 100
55 80.2 63.8 95.6
98 47.5 37.4 56.2





#37

1,2-Dichloropropane

Concen: 5.650 ug/L

RT: 6.092 min Scan# 1571

Delta R.T. 0.000 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

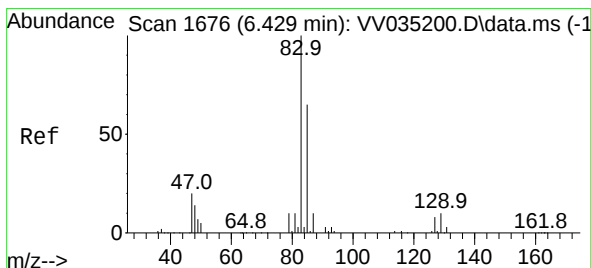
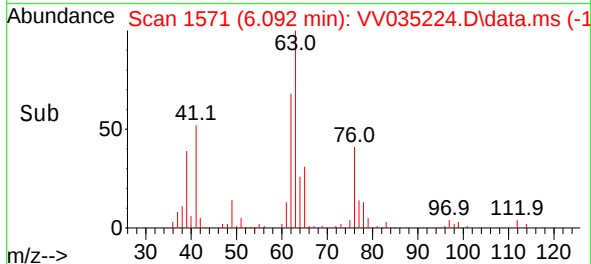
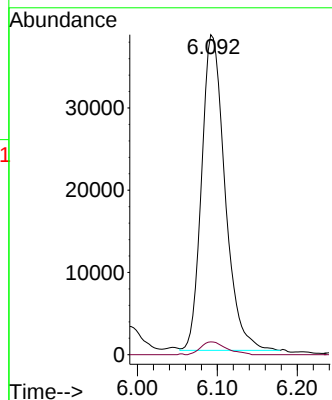
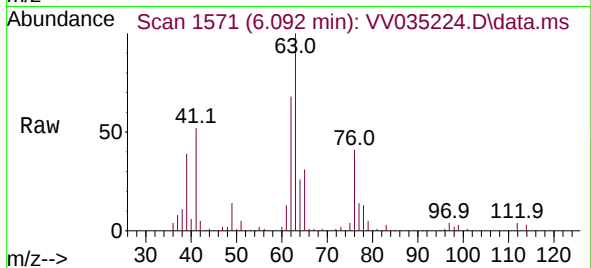
ClientSampleId :

Tgt Ion: 63 Resp: 78307

Ion Ratio Lower Upper

63 100

112 4.4 3.3 4.9



#38

Bromodichloromethane

Concen: 5.829 ug/L

RT: 6.433 min Scan# 1677

Delta R.T. 0.003 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

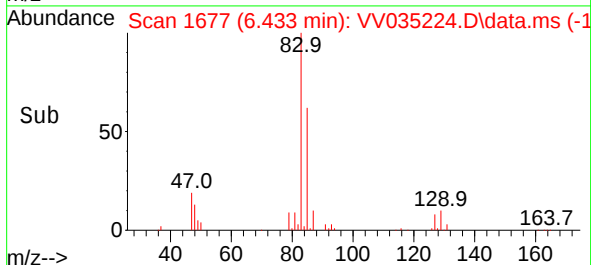
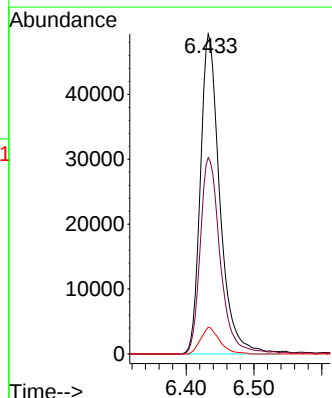
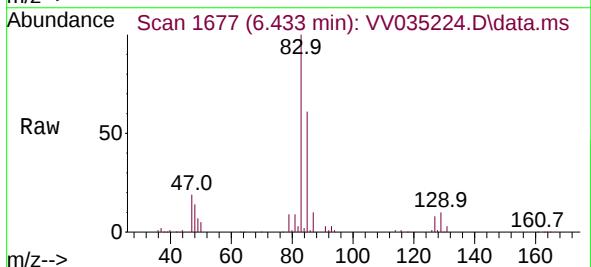
Tgt Ion: 83 Resp: 98355

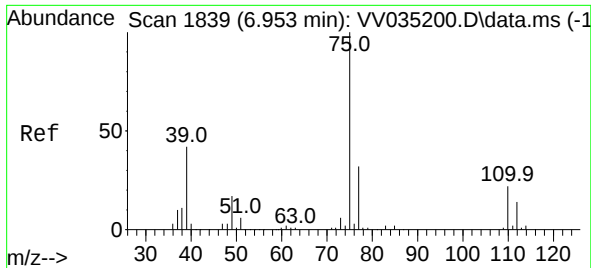
Ion Ratio Lower Upper

83 100

85 61.4 43.8 81.4

127 8.3 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.972 ug/L

RT: 6.957 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

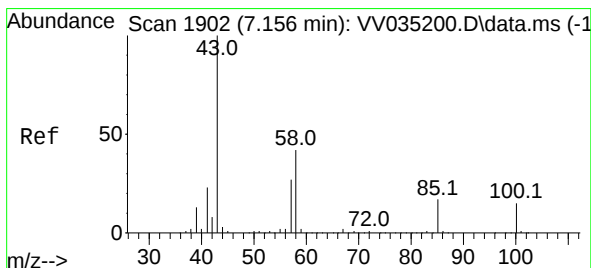
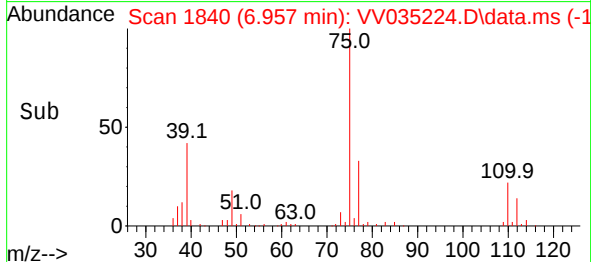
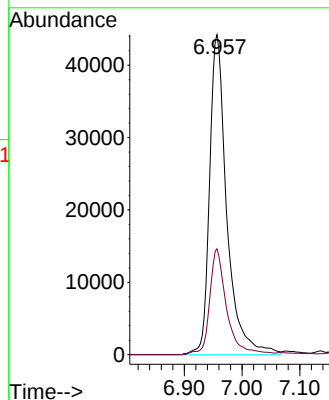
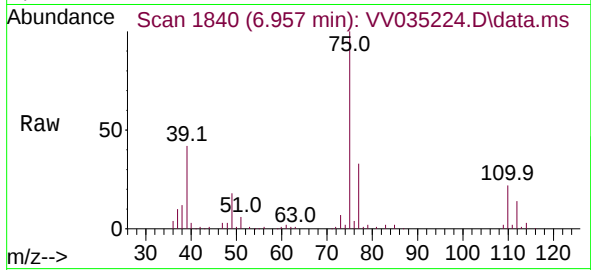
ClientSampleId :

Tgt Ion: 75 Resp: 91594

Ion Ratio Lower Upper

75 100

77 33.1 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 57.380 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.003 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

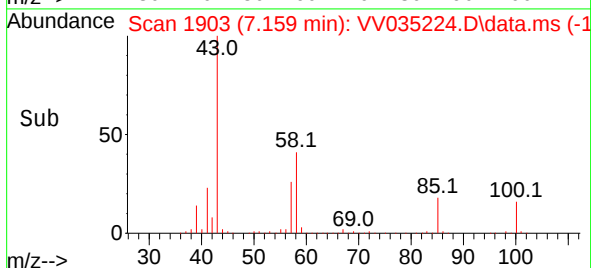
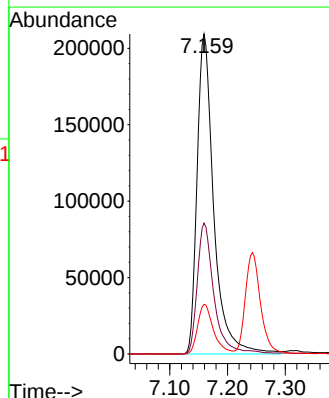
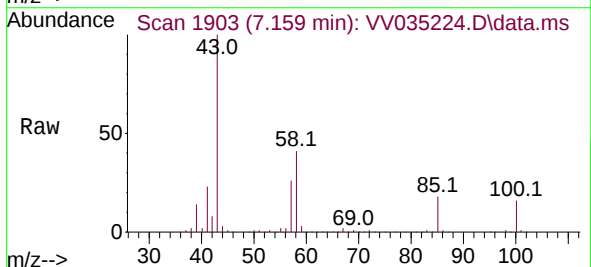
Tgt Ion: 43 Resp: 418956

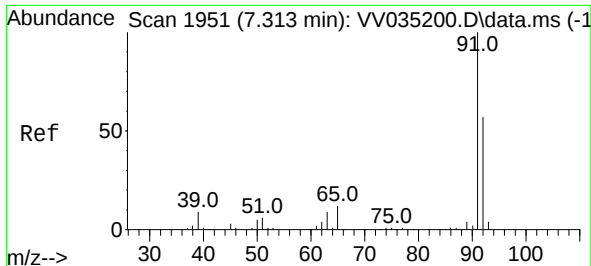
Ion Ratio Lower Upper

43 100

58 40.9 33.4 50.0

100 14.8 10.6 15.8





#42

Toluene

Concen: 5.618 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

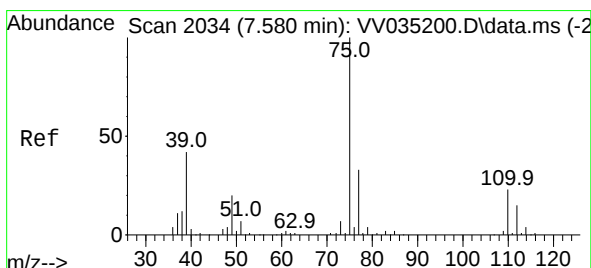
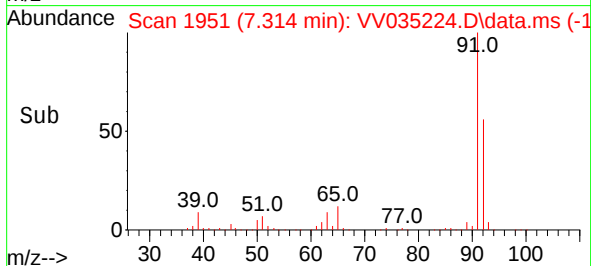
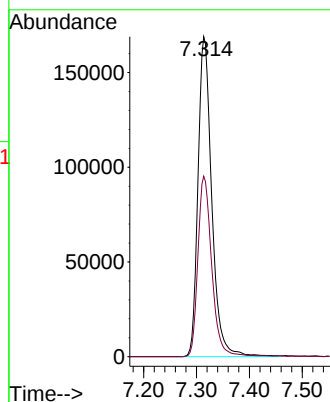
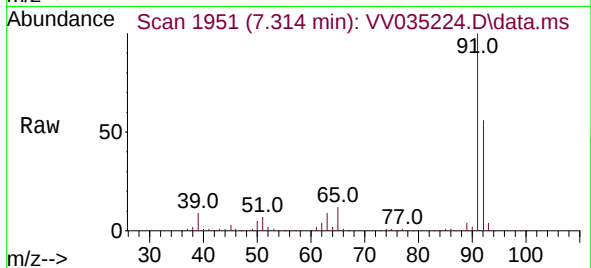
ClientSampleId :

Tgt Ion: 91 Resp: 305330

Ion Ratio Lower Upper

91 100

92 56.4 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.337 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. 0.003 min

Lab File: VV035224.D

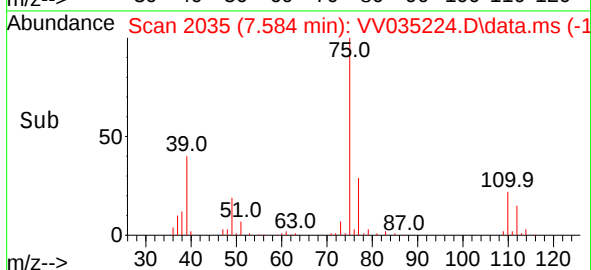
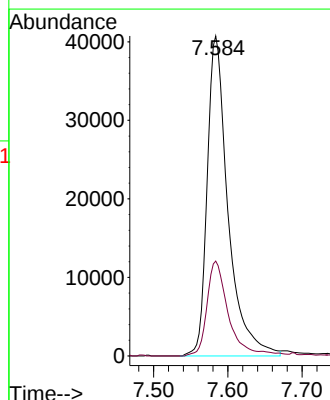
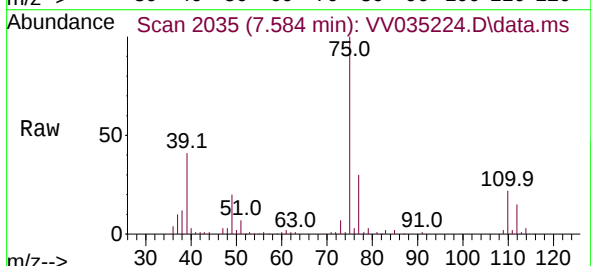
Acq: 16 Apr 2024 02:06

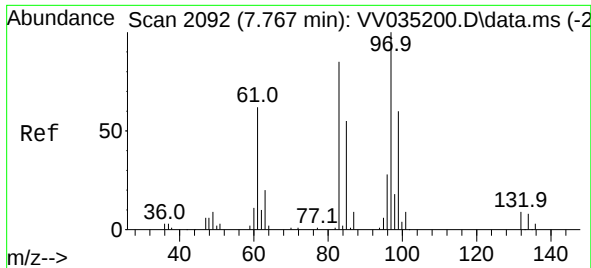
Tgt Ion: 75 Resp: 79489

Ion Ratio Lower Upper

75 100

77 29.7 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 5.734 ug/L

RT: 7.770 min Scan# 2092

Delta R.T. 0.003 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 55139

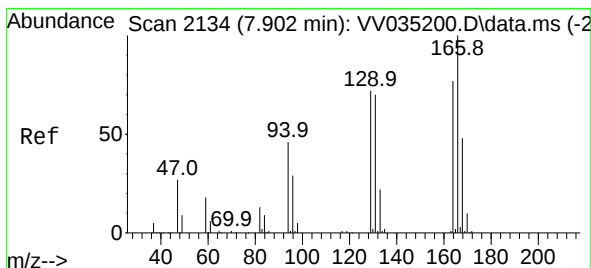
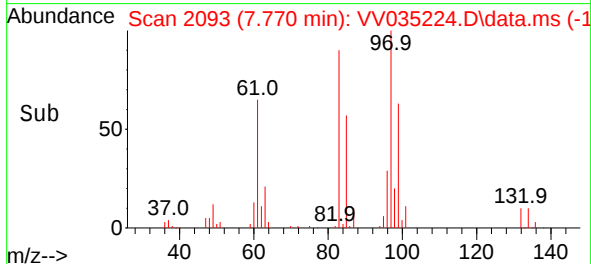
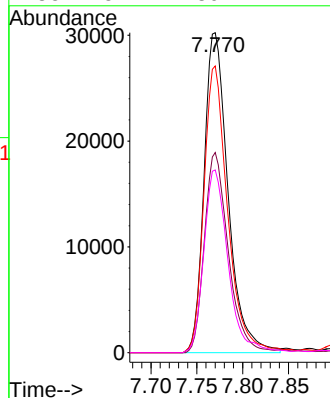
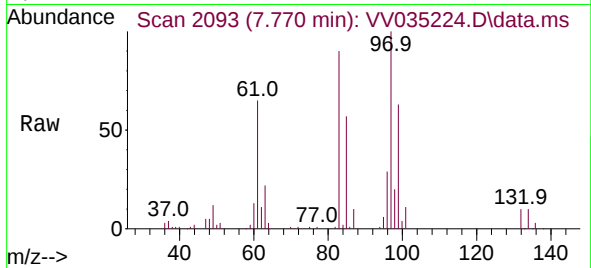
Ion Ratio Lower Upper

97 100

99 62.5 44.2 82.2

83 89.6 60.2 111.8

85 57.1 39.2 72.8



#47

Tetrachloroethene

Concen: 4.974 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.003 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Tgt Ion:164 Resp: 54394

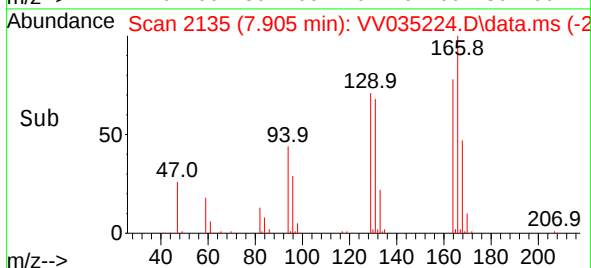
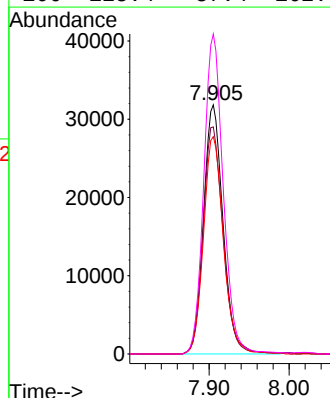
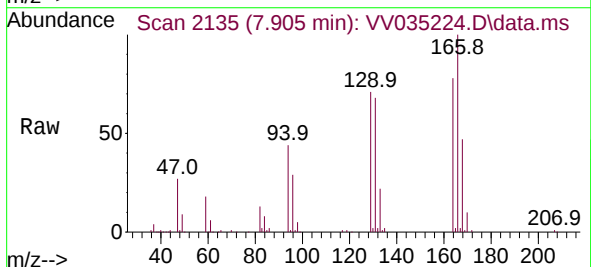
Ion Ratio Lower Upper

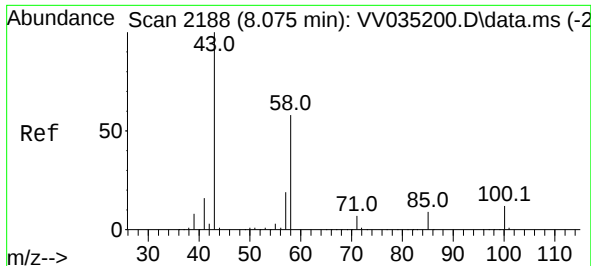
164 100

129 91.1 65.3 121.3

131 87.2 60.9 113.1

166 128.4 87.4 162.4

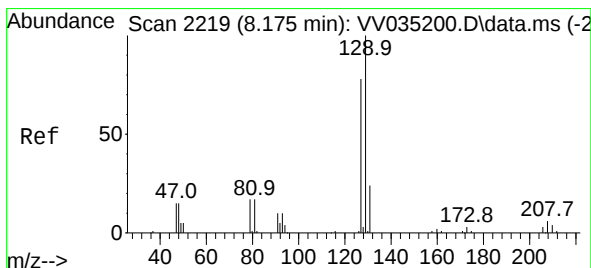
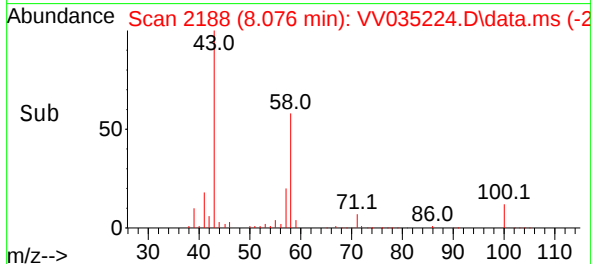
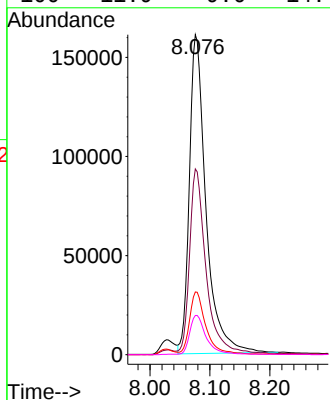
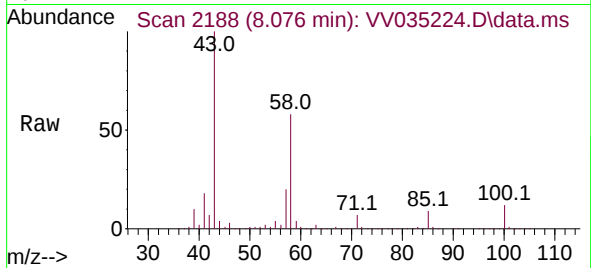




#48
2-Hexanone
Concen: 57.386 ug/L
RT: 8.076 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VV035224.D
Acq: 16 Apr 2024 02:06

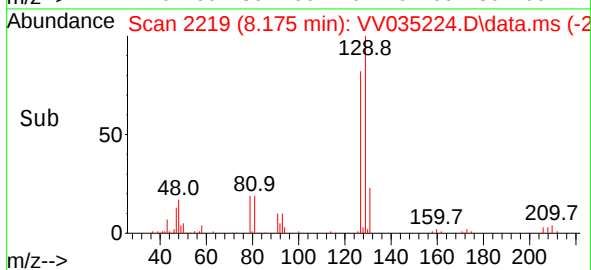
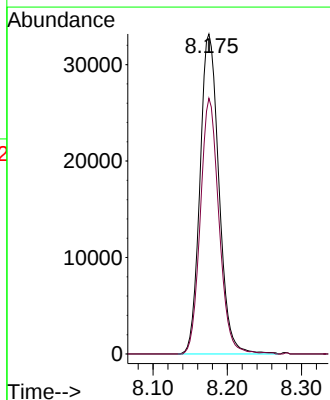
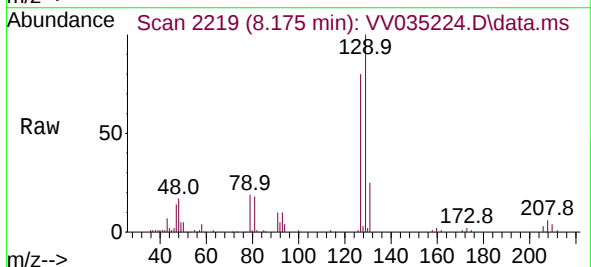
Instrument :
MSVOA_V
ClientSampleId :

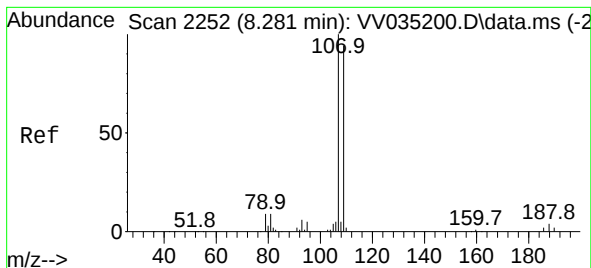
Tgt Ion: 43 Resp: 309965
Ion Ratio Lower Upper
43 100
58 57.8 45.2 67.8
57 19.0 15.5 23.3
100 11.9 9.6 14.4



#49
Dibromochloromethane
Concen: 5.929 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV035224.D
Acq: 16 Apr 2024 02:06

Tgt Ion: 129 Resp: 58895
Ion Ratio Lower Upper
129 100
127 79.9 55.2 102.6





#50

1,2-Dibromoethane

Concen: 5.529 ug/L

RT: 8.285 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV035224.D

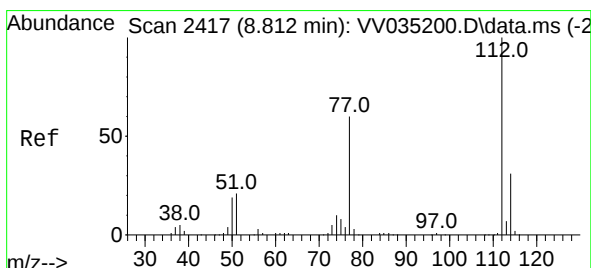
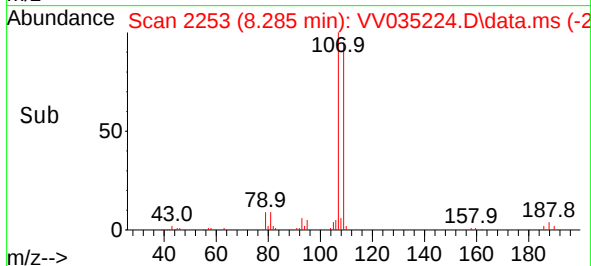
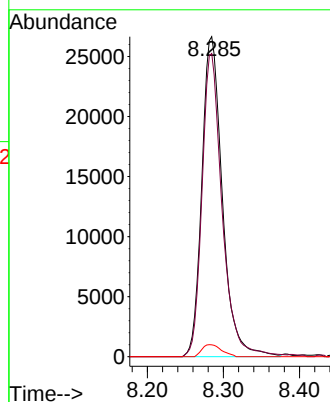
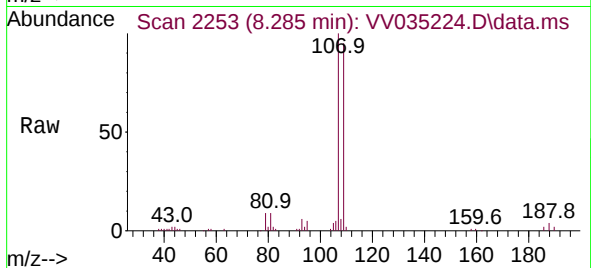
Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	49928
Ion Ratio	Lower	Upper
107	100	
109	94.7	69.1 128.3
188	3.7	2.8 4.2



#51

Chlorobenzene

Concen: 5.502 ug/L

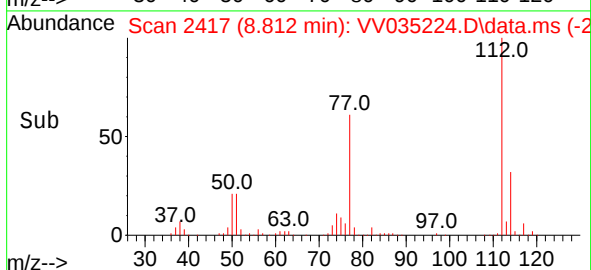
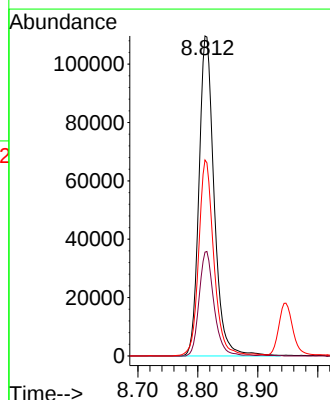
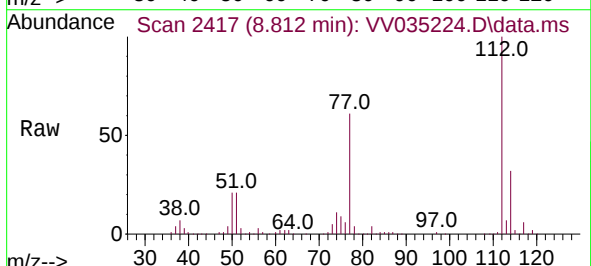
RT: 8.812 min Scan# 2417

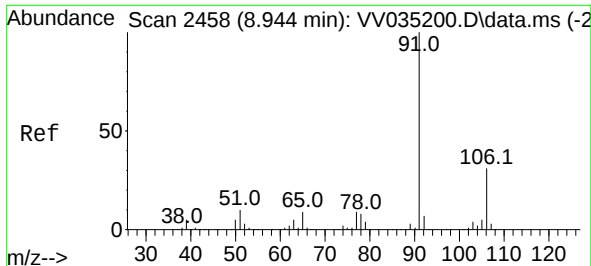
Delta R.T. 0.000 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Tgt Ion:112	Resp:	193537
Ion Ratio	Lower	Upper
112	100	
114	32.4	22.0 41.0
77	61.3	49.0 73.6





#52

Ethylbenzene

Concen: 5.369 ug/L

RT: 8.947 min Scan# 2458

Delta R.T. 0.003 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

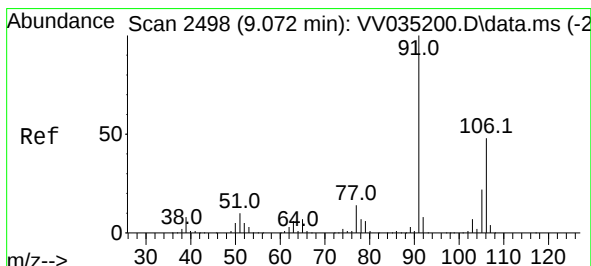
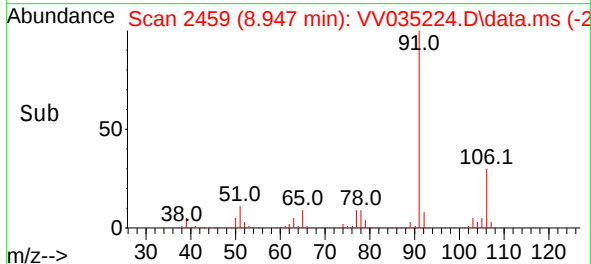
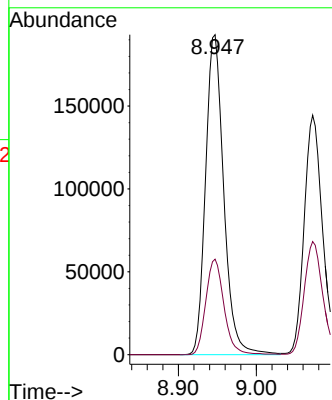
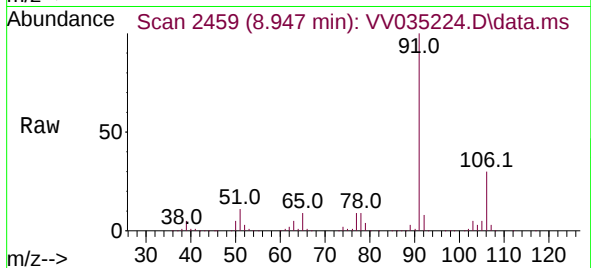
ClientSampleId :

Tgt Ion: 91 Resp: 312644

Ion Ratio Lower Upper

91 100

106 29.8 21.3 39.5



#53

m,p-Xylene

Concen: 5.289 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.000 min

Lab File: VV035224.D

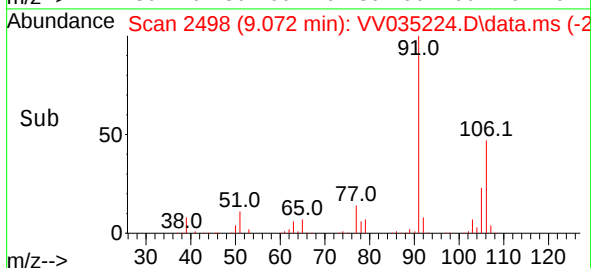
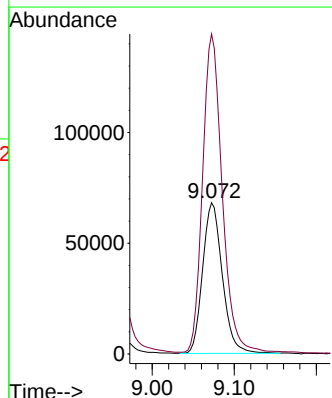
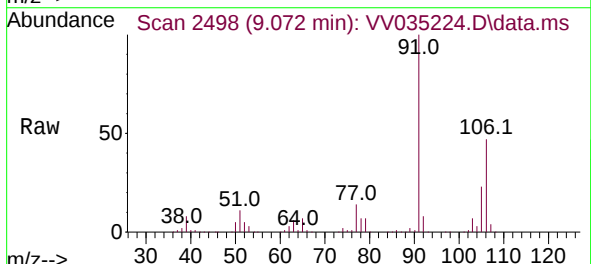
Acq: 16 Apr 2024 02:06

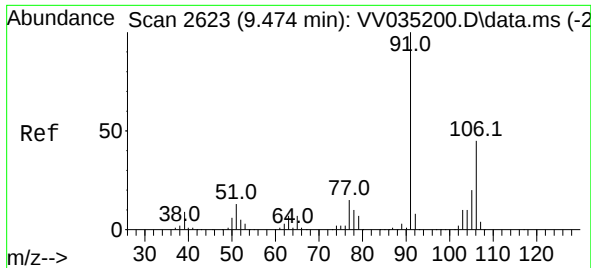
Tgt Ion:106 Resp: 113486

Ion Ratio Lower Upper

106 100

91 211.6 147.1 273.3

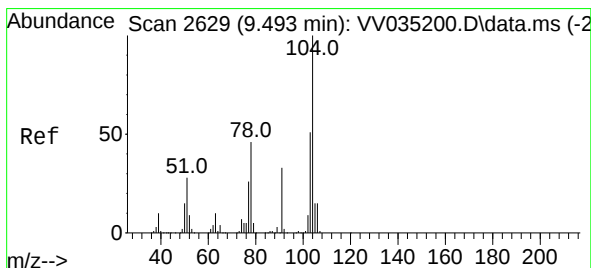
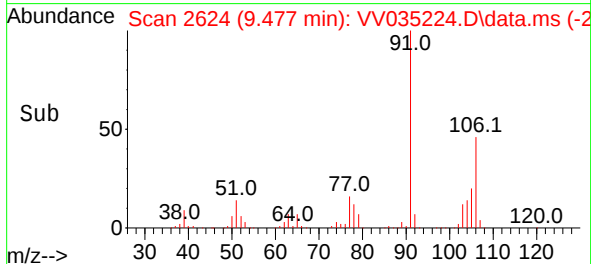
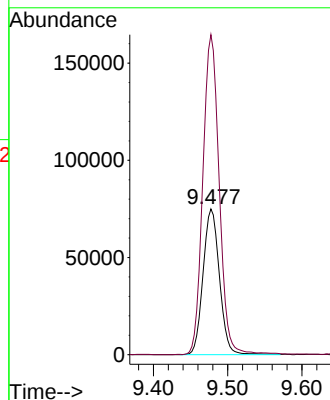
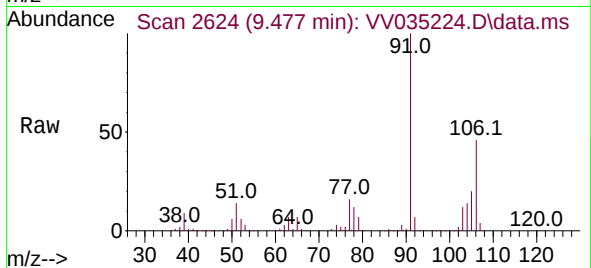




#54
o-Xylene
Concen: 5.554 ug/L
RT: 9.477 min Scan# 2623
Delta R.T. 0.003 min
Lab File: VV035224.D
Acq: 16 Apr 2024 02:06

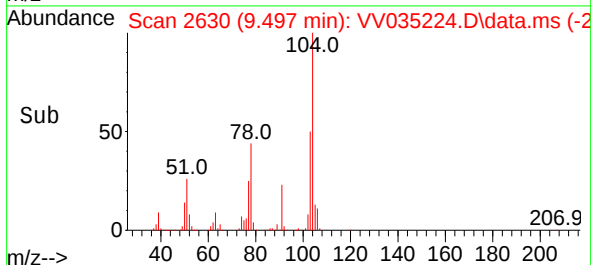
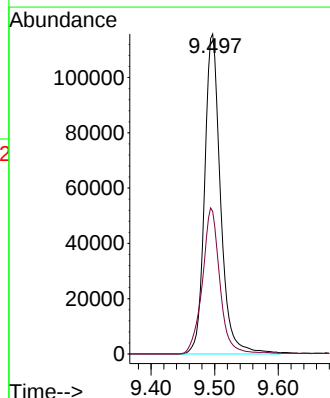
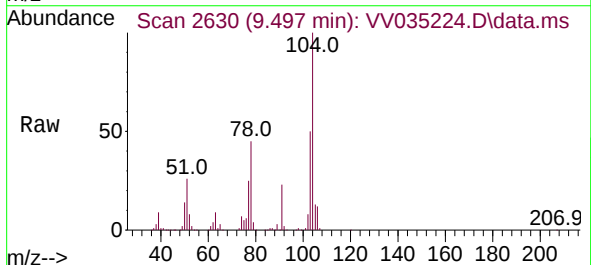
Instrument :
MSVOA_V
ClientSampleId :

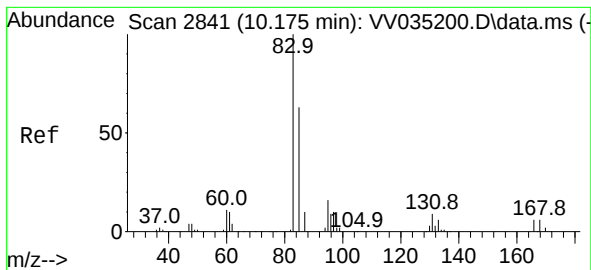
Tgt Ion:106 Resp: 115014
Ion Ratio Lower Upper
106 100
91 219.5 157.7 292.9



#55
Styrene
Concen: 5.790 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV035224.D
Acq: 16 Apr 2024 02:06

Tgt Ion:104 Resp: 201726
Ion Ratio Lower Upper
104 100
78 44.5 32.4 60.2

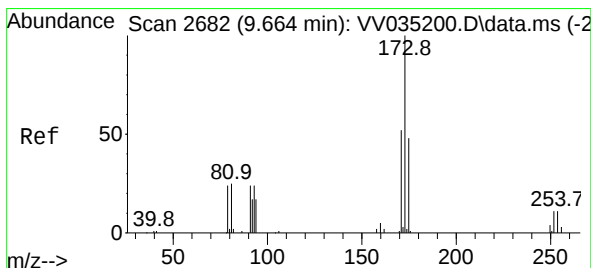
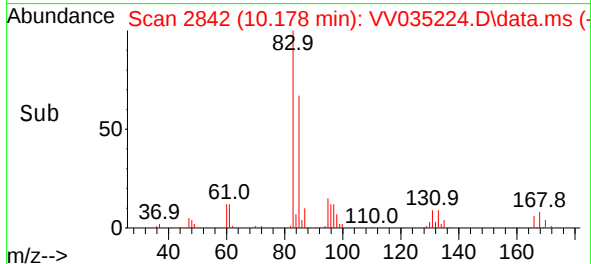
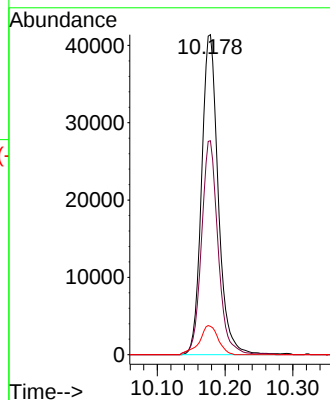
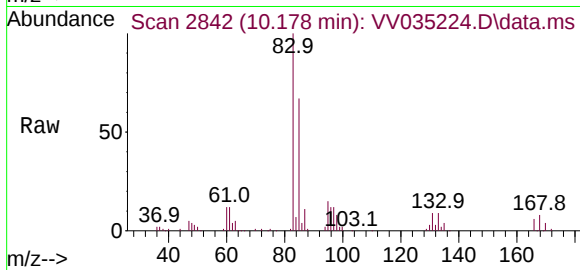




#57
1,1,2,2-Tetrachloroethane
Concen: 5.997 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.003 min
Lab File: VV035224.D
Acq: 16 Apr 2024 02:06

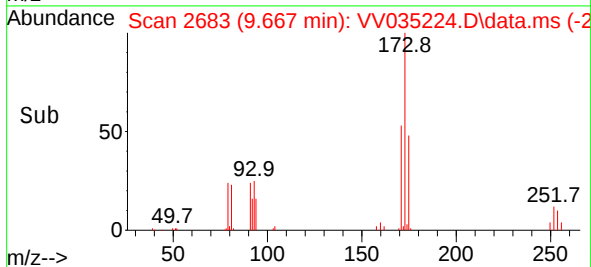
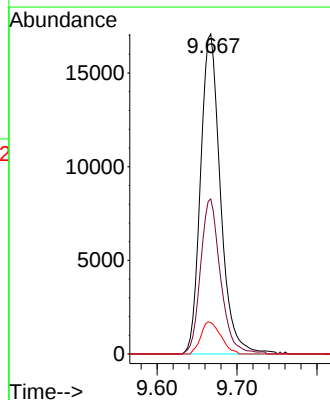
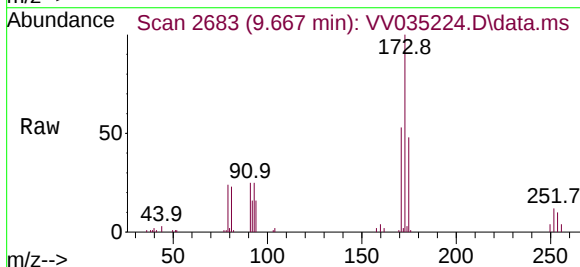
Instrument :
MSVOA_V
ClientSampleId :

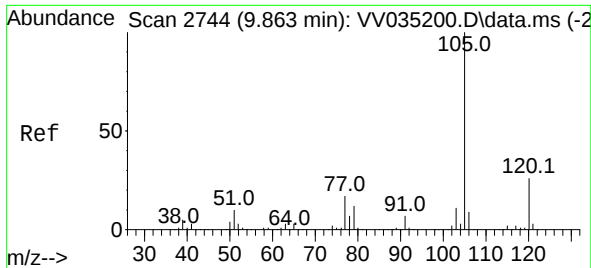
Tgt Ion: 83 Resp: 70670
Ion Ratio Lower Upper
83 100
85 66.9 44.9 83.5
131 8.8 7.8 11.6



#59
Bromoform
Concen: 5.750 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.003 min
Lab File: VV035224.D
Acq: 16 Apr 2024 02:06

Tgt Ion: 173 Resp: 29640
Ion Ratio Lower Upper
173 100
175 48.5 38.6 57.8
254 10.0 8.2 12.2

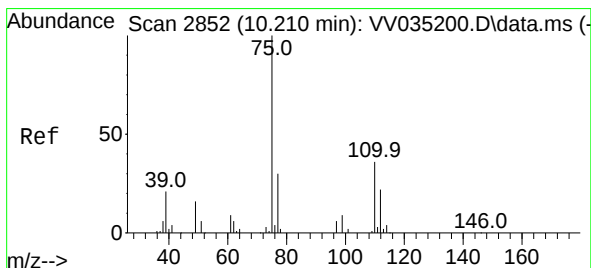
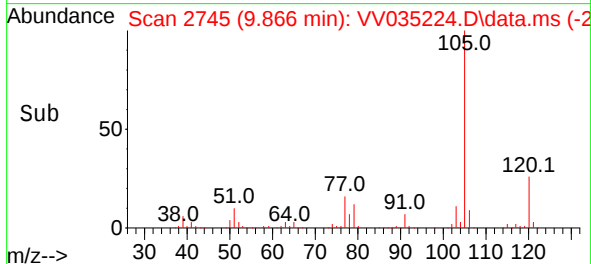
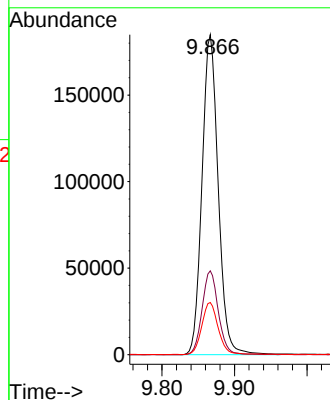
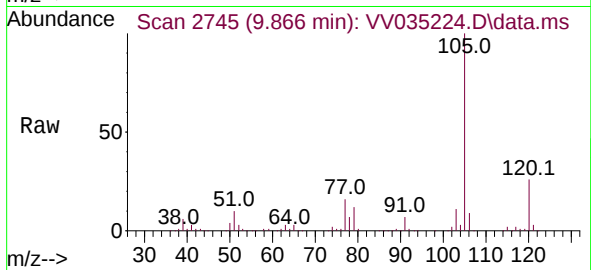




#60
Isopropylbenzene
Concen: 5.159 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV035224.D
Acq: 16 Apr 2024 02:06

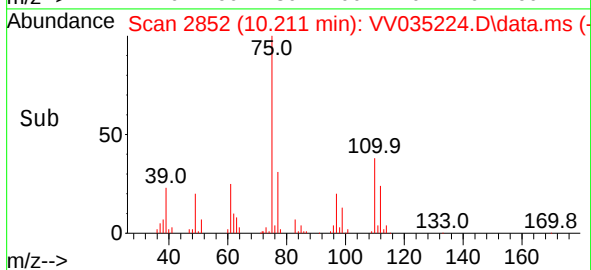
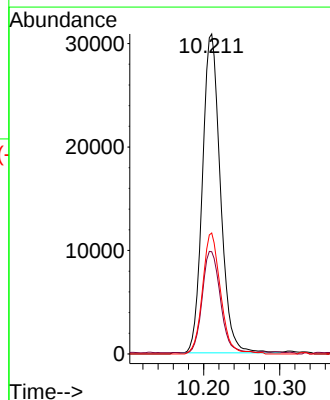
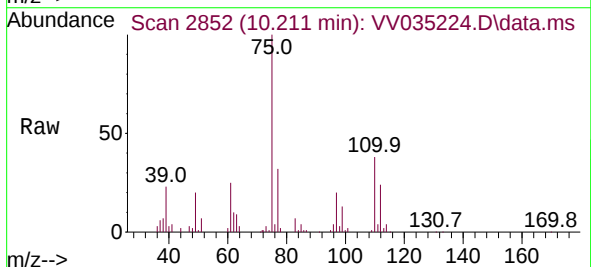
Instrument :
MSVOA_V
ClientSampleId :

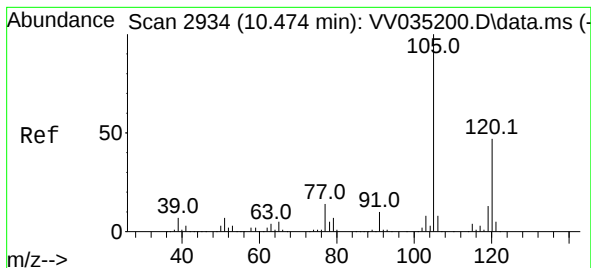
Tgt Ion:105 Resp: 286802
Ion Ratio Lower Upper
105 100
120 26.2 21.1 31.7
77 16.3 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 5.808 ug/L
RT: 10.211 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV035224.D
Acq: 16 Apr 2024 02:06

Tgt Ion: 75 Resp: 50460
Ion Ratio Lower Upper
75 100
77 32.1 25.3 37.9
110 38.1 29.6 44.4





#62

1,3,5-Trimethylbenzene

Concen: 5.025 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

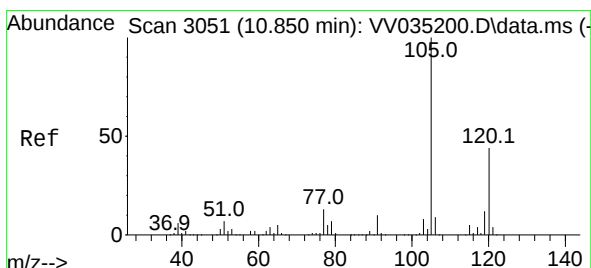
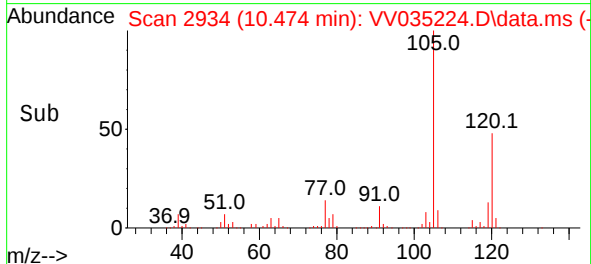
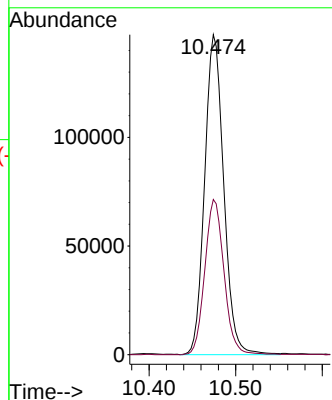
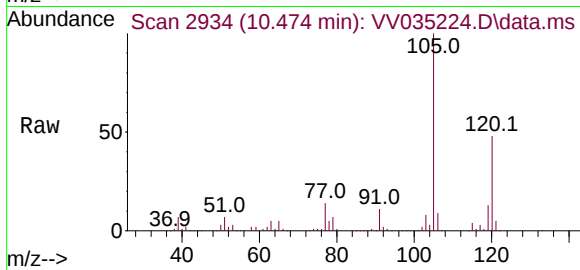
ClientSampleId :

Tgt Ion:105 Resp: 225546

Ion Ratio Lower Upper

105 100

120 48.9 39.3 58.9



#63

1,2,4-Trimethylbenzene

Concen: 5.279 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV035224.D

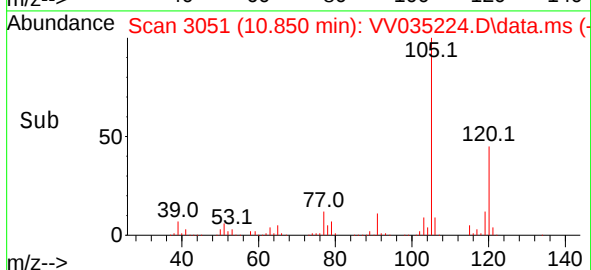
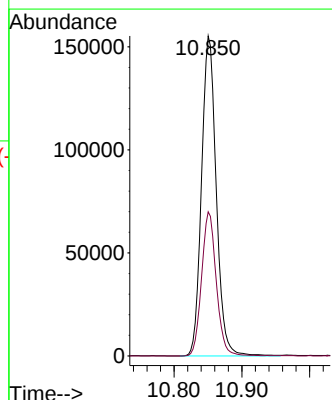
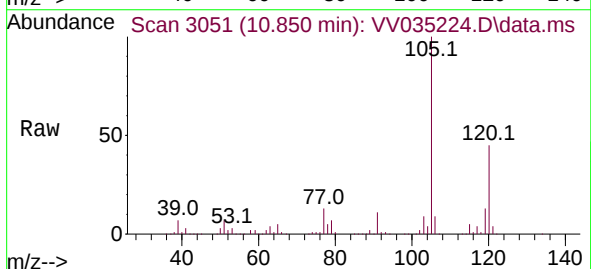
Acq: 16 Apr 2024 02:06

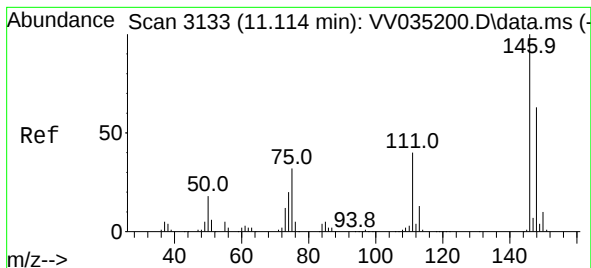
Tgt Ion:105 Resp: 234133

Ion Ratio Lower Upper

105 100

120 44.9 36.0 54.0





#64

1,3-Dichlorobenzene

Concen: 5.482 ug/L

RT: 11.117 min Scan# 3133

Delta R.T. 0.003 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

ClientSampleId :

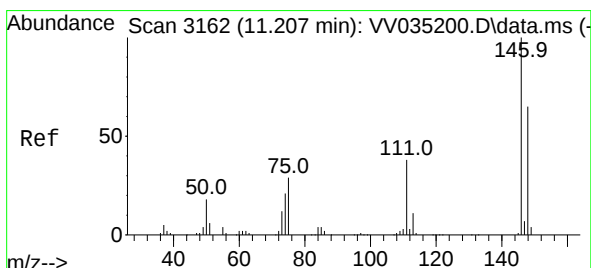
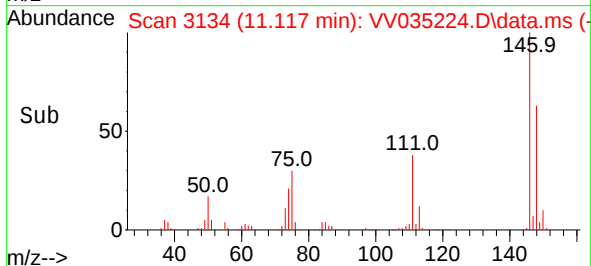
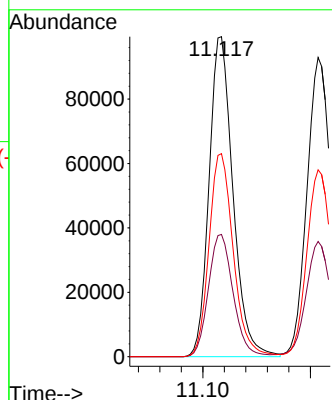
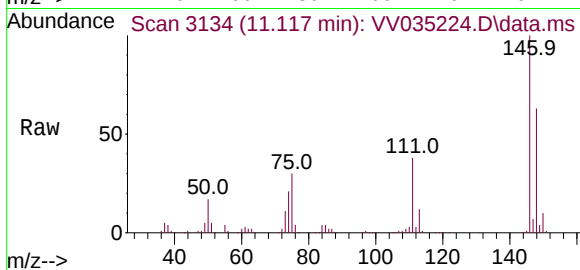
Tgt Ion:146 Resp: 153356

Ion Ratio Lower Upper

146 100

111 38.2 27.6 51.2

148 63.5 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 5.174 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

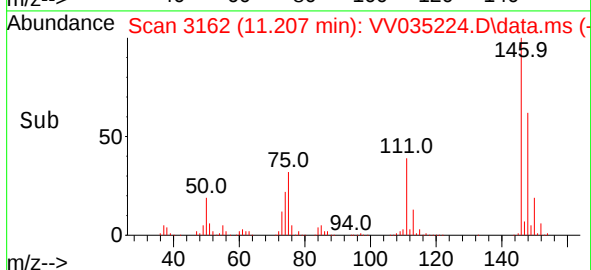
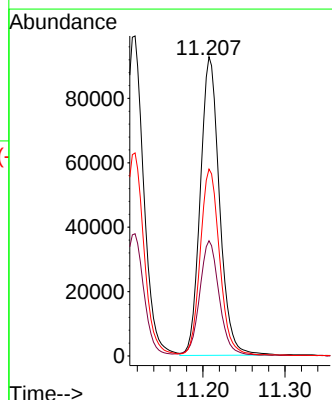
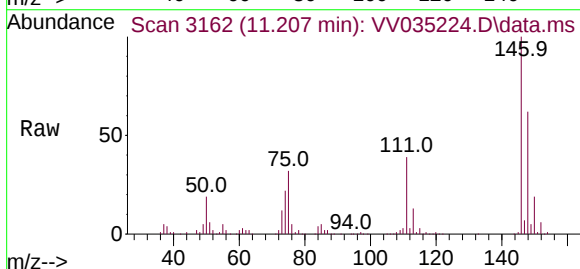
Tgt Ion:146 Resp: 151179

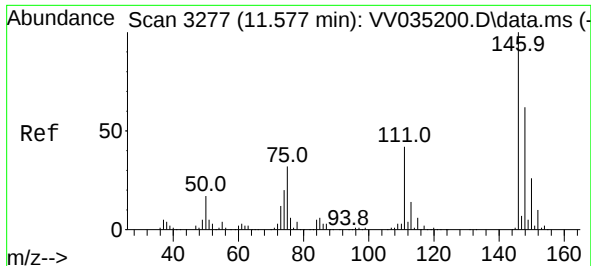
Ion Ratio Lower Upper

146 100

111 38.5 27.1 50.3

148 62.4 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 5.553 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

ClientSampleId :

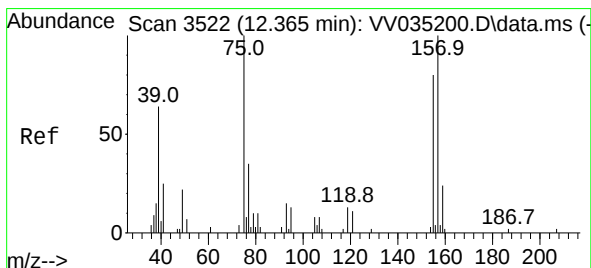
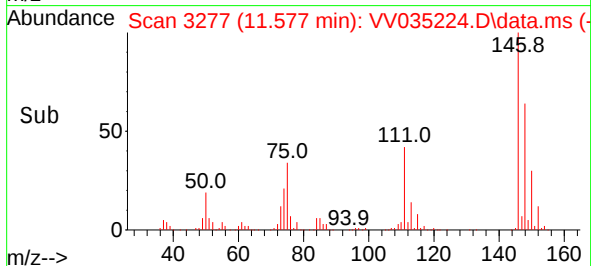
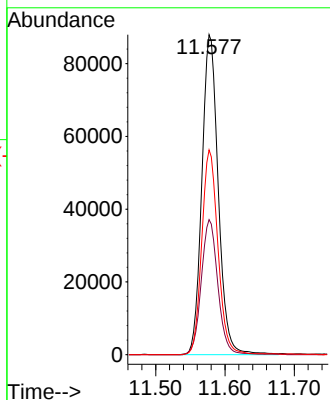
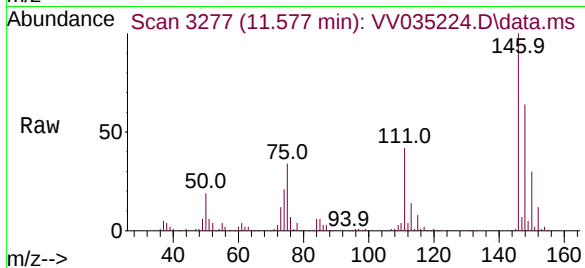
Tgt Ion:146 Resp: 144258

Ion Ratio Lower Upper

146 100

111 42.2 33.7 50.5

148 64.0 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.634 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

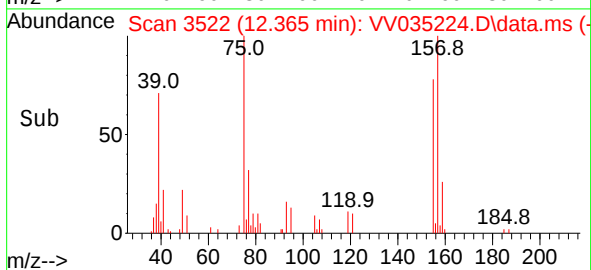
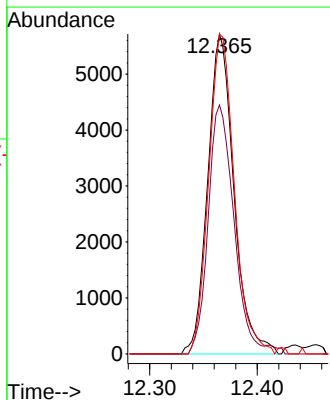
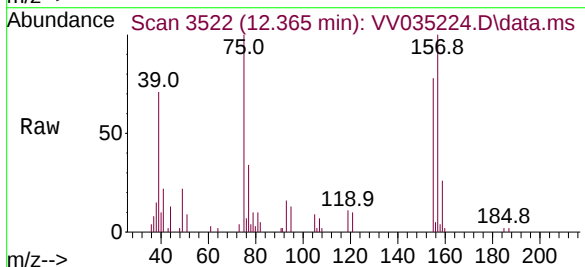
Tgt Ion: 75 Resp: 9662

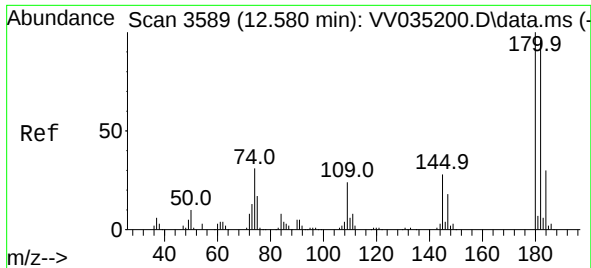
Ion Ratio Lower Upper

75 100

155 77.8 66.8 100.2

157 100.0 88.8 133.2





#69

1,3,5-Trichlorobenzene

Concen: 5.225 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

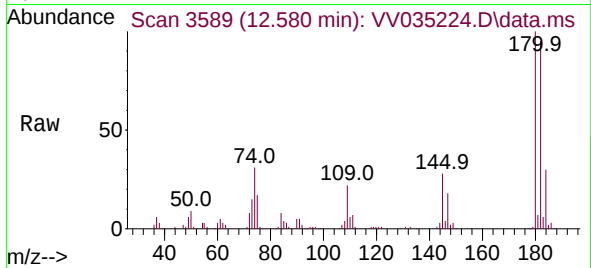
Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 110948

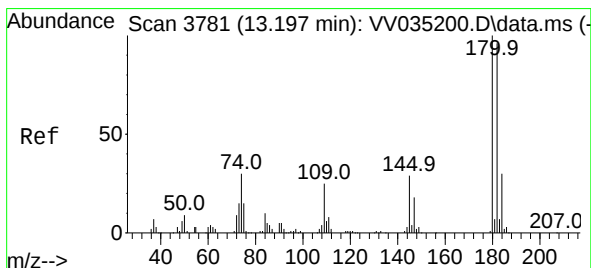
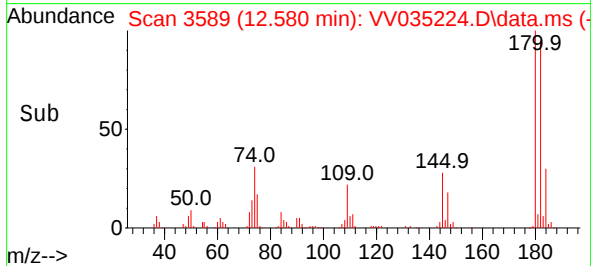
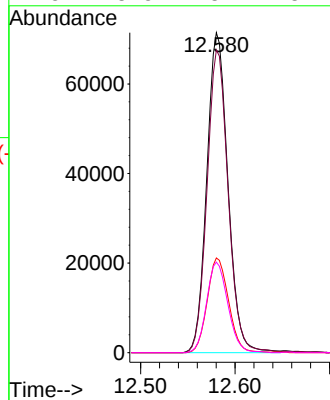
Ion Ratio Lower Upper

180 100

182 94.5 75.4 113.2

184 30.0 24.0 36.0

145 28.5 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 5.080 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

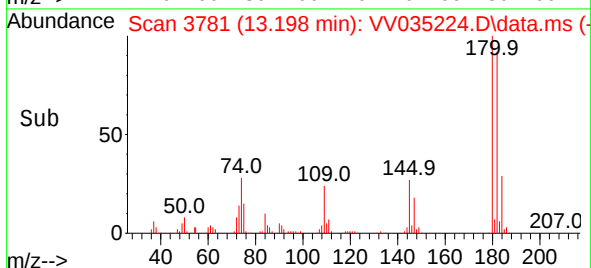
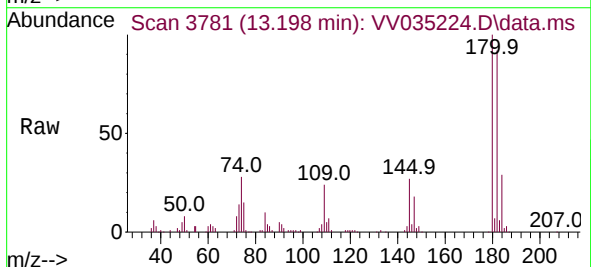
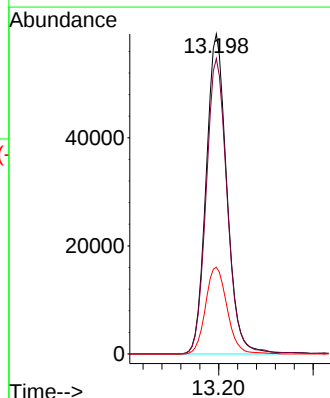
Tgt Ion:180 Resp: 89974

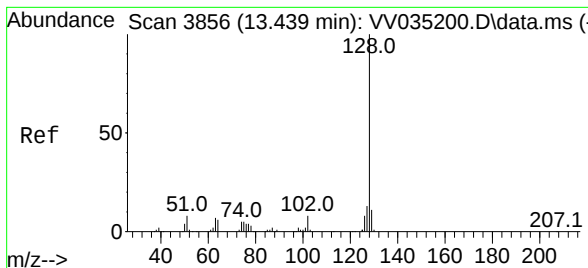
Ion Ratio Lower Upper

180 100

182 94.0 76.9 115.3

145 28.3 23.5 35.3





#71

Naphthalene

Concen: 4.534 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Instrument :

MSVOA_V

ClientSampleId :

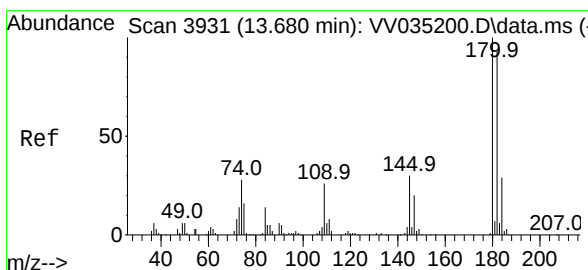
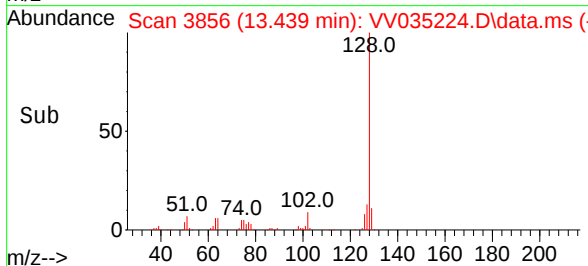
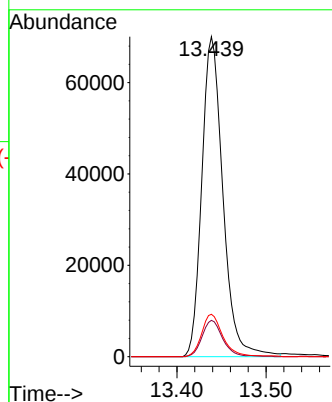
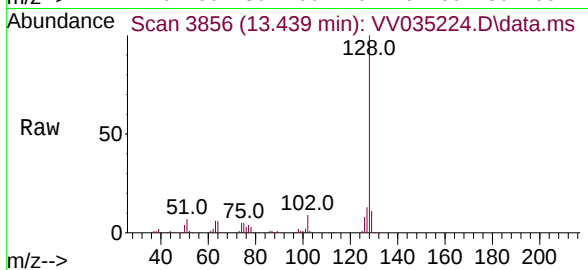
Tgt Ion:128 Resp: 115392

Ion Ratio Lower Upper

128 100

129 11.2 8.5 12.7

127 13.3 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 5.317 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. -0.003 min

Lab File: VV035224.D

Acq: 16 Apr 2024 02:06

Tgt Ion:180 Resp: 83592

Ion Ratio Lower Upper

180 100

182 94.4 75.9 113.9

145 31.0 25.3 37.9

