

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW103123\
 Data File : VW032816.D
 Acq On : 31 Oct 2023 22:05
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 01 05:54:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 01 05:44:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.571	114	1425	50.000	ug/L	# 0.04
28) Chlorobenzene-d5	8.802	117	3422	50.000	ug/L	# 0.02
58) 1,4-Dichlorobenzene-d4	11.194	152	3276	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	481	35.489	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.980%
7) Chloroethane-d5	1.532	69	595	52.489	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.980%
11) 1,1-Dichloroethene-d2	2.059	65	324	57.875	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	115.760%
21) 2-Butanone-d5	3.709	46	75	12.757	ug/L	-0.07
Spiked Amount	100.000	Range	40 - 130	Recovery	=	12.760%#
24) Chloroform-d	4.233	84	66	3.051	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	6.100%#
26) 1,2-Dichloroethane-d4	4.966	65	222	16.511	ug/L	0.03
Spiked Amount	50.000	Range	70 - 125	Recovery	=	33.020%#
32) Benzene-d6	4.953	84	141	1.603	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	3.200%#
36) 1,2-Dichloropropane-d6	5.905	67	81	3.030	ug/L	-0.08
Spiked Amount	50.000	Range	70 - 120	Recovery	=	6.060%#
41) Toluene-d8	7.255	98	858	9.904	ug/L	0.01
Spiked Amount	50.000	Range	80 - 120	Recovery	=	19.800%#
43) trans-1,3-Dichloroprop...	7.580	79	111	7.973	ug/L	0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	15.940%#
47) 2-Hexanone-d5	8.075	63	285	29.205	ug/L	0.05
Spiked Amount	100.000	Range	45 - 130	Recovery	=	29.210%#
56) 1,1,2,2-Tetrachloroeth...	10.210	84	78	1.923	ug/L	0.06
Spiked Amount	50.000	Range	65 - 120	Recovery	=	3.840%#
66) 1,2-Dichlorobenzene-d4	11.567	152	3355	53.144	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	469	37.404	ug/L	# 62
3) Chloromethane	1.220	50	213	17.559	ug/L	90
5) Vinyl chloride	1.278	62	450	34.790	ug/L	88
6) Bromomethane	1.497	94	704	78.003	ug/L	72
8) Chloroethane	1.542	64	216	24.806	ug/L	97
9) Trichlorofluoromethane	1.712	101	744	36.094	ug/L	86
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	41	3.287	ug/L	# 1
12) 1,1-Dichloroethene	2.069	96	731	68.587	ug/L	91
13) Acetone	2.117	43	1469	149.283	ug/L	88
14) Carbon disulfide	2.243	76	2898	113.904	ug/L	# 77
15) Methyl Acetate	2.494	43	226	22.651	ug/L	95
16) Methylene chloride	2.449	84	4823	341.158	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	601	59.080	ug/L	94
18) Methyl tert-butyl Ether	2.699	73	416	13.847	ug/L	# 77
19) 1,1-Dichloroethane	3.117	63	277	14.289	ug/L	# 89
20) cis-1,2-Dichloroethene	3.838	96	120	10.681	ug/L	90
22) 2-Butanone	3.809	43	186	22.288	ug/L	92
23) Bromochloromethane	4.165	128	74	11.801	ug/L	# 26
25) Chloroform	4.281	83	118354	5356.477	ug/L	99

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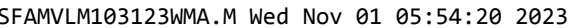
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 Quant Title : VOC Analysis
 QLast Update : Wed Nov 01 05:44:49 2023
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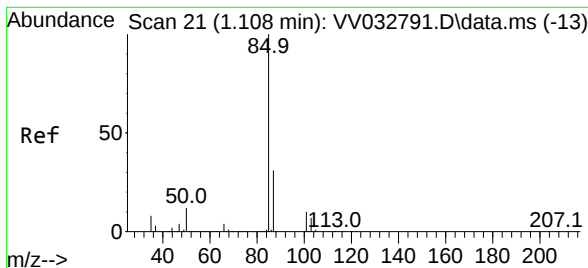
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

27) 1,2-Dichloroethane	5.050	62	37	2.324	ug/L #	74
29) Cyclohexane	4.580	56	351	11.413	ug/L #	94
30) 1,1,1-Trichloroethane	4.516	97	222	5.415	ug/L #	68
31) Carbon tetrachloride	4.741	117	277	7.646	ug/L	96
33) Benzene	5.005	78	126	1.389	ug/L	100
34) Trichloroethene	5.841	95	500	19.795	ug/L #	45
35) Methylcyclohexane	6.053	83	939	23.758	ug/L	92
37) 1,2-Dichloropropane	6.101	63	108	4.484	ug/L #	85
38) Bromodichloromethane	6.436	83	50226	1329.178	ug/L	99
39) cis-1,3-Dichloropropene	6.976	75	27	0.747	ug/L #	19
40) 4-Methyl-2-pentanone	7.153	43	75	2.627	ug/L #	30
42) Toluene	7.333	91	570	5.516	ug/L	81
44) trans-1,3-Dichloropropene	7.693	75	56	1.509	ug/L	87
45) 1,1,2-Trichloroethane	7.783	97	229	8.289	ug/L	95
46) Tetrachloroethene	7.911	164	612	26.853	ug/L #	87
49) Dibromochloromethane	8.185	129	6128	212.160	ug/L	97
50) 1,2-Dibromoethane	8.300	107	340	12.080	ug/L #	69
51) Chlorobenzene	8.834	112	2350	32.123	ug/L #	81
52) Ethylbenzene	8.966	91	2286	20.054	ug/L	83
53) m,p-Xylene	9.085	106	1041	23.996	ug/L	75
54) o-Xylene	9.490	106	945	22.485	ug/L #	58
55) Styrene	9.519	104	1309	17.872	ug/L	87
57) 1,1,2,2-Tetrachloroethane	10.181	83	939	22.693	ug/L #	53
59) Bromoform	9.667	173	148	4.029	ug/L #	1
60) Isopropylbenzene	9.876	105	3009	15.146	ug/L #	92
61) 1,2,3-Trichloropropane	10.220	75	1352	24.708	ug/L #	91
62) 1,3,5-Trimethylbenzene	10.702	105	117	0.748	ug/L	92
63) 1,2,4-Trimethylbenzene	10.860	105	3106	20.769	ug/L	92
64) 1,3-Dichlorobenzene	11.133	146	3602	34.802	ug/L	96
65) 1,4-Dichlorobenzene	11.220	146	4284	39.228	ug/L	94
67) 1,2-Dichlorobenzene	11.586	146	3968	37.554	ug/L	95
69) 1,3,5-Trichlorobenzene	12.586	180	4783	64.014	ug/L	94
70) 1,2,4-trichlorobenzene	13.204	180	6655	102.990	ug/L	98
71) Naphthalene	13.445	128	45144	279.766	ug/L	97
72) 1,2,3-Trichlorobenzene	13.683	180	9252	143.405	ug/L	95

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

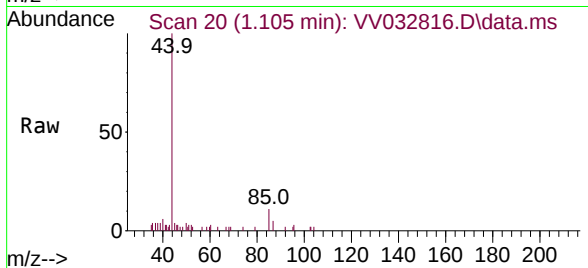
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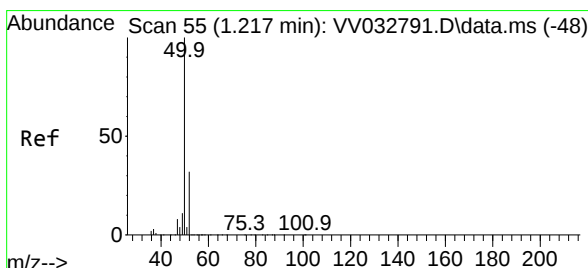
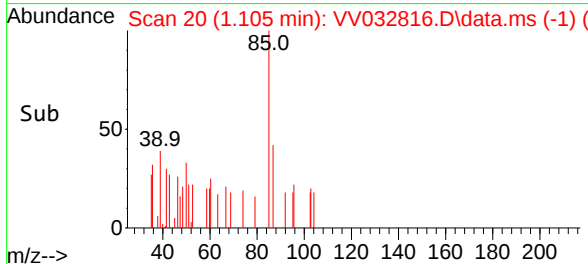
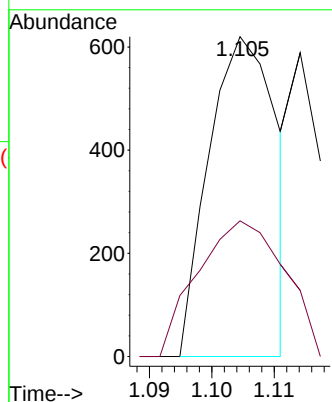


#2
 Dichlorodifluoromethane
 Concen: 37.404 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV032816.D
 Acq: 31 Oct 2023 22:05

Instrument :
 MSVOA_V
 ClientSampleId :

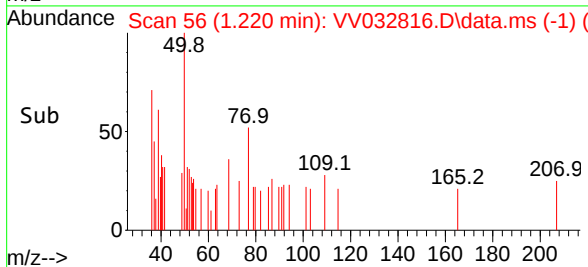
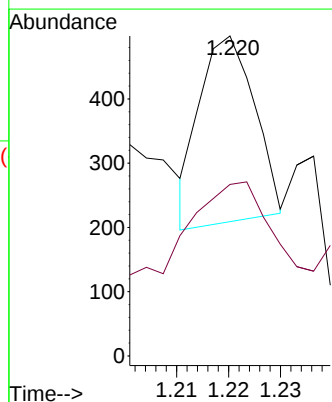
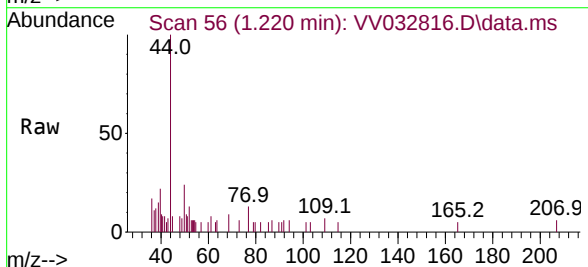


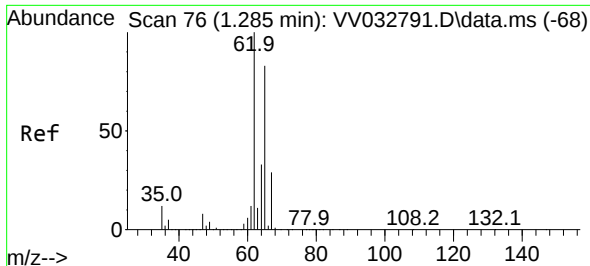
Tgt Ion: 85 Resp: 469
 Ion Ratio Lower Upper
 85 100
 87 54.4 26.2 39.4#



#3
 Chloromethane
 Concen: 17.559 ug/L
 RT: 1.220 min Scan# 56
 Delta R.T. 0.003 min
 Lab File: VV032816.D
 Acq: 31 Oct 2023 22:05

Tgt Ion: 50 Resp: 213
 Ion Ratio Lower Upper
 50 100
 52 39.1 23.5 43.7

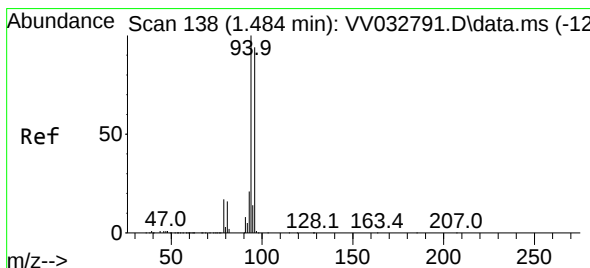
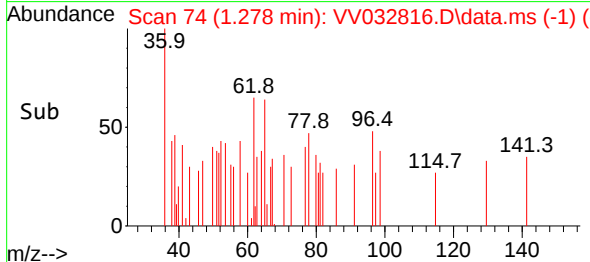
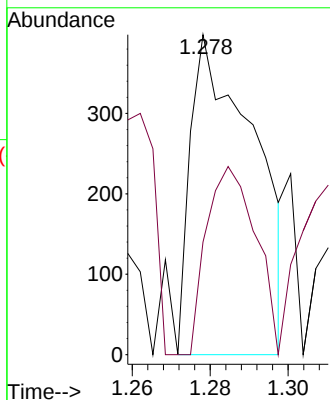
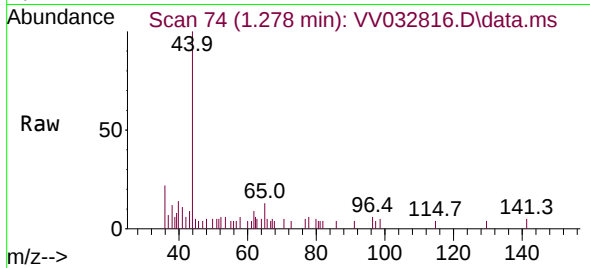




#5
 Vinyl chloride
 Concen: 34.790 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: VV032816.D
 Acq: 31 Oct 2023 22:05

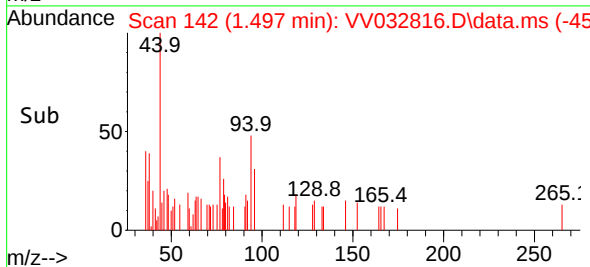
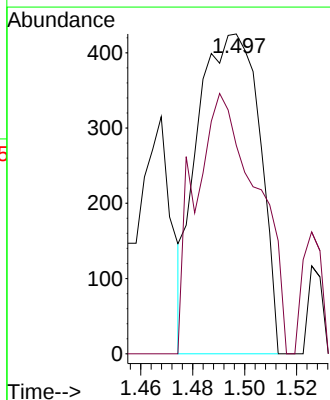
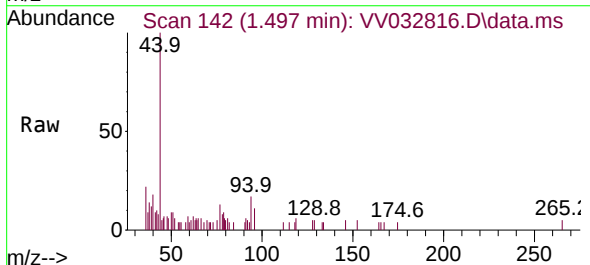
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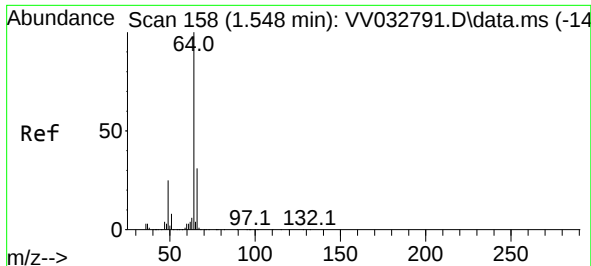
Tgt Ion: 62 Resp: 450
 Ion Ratio Lower Upper
 62 100
 64 26.5 23.2 43.0



#6
 Bromomethane
 Concen: 78.003 ug/L
 RT: 1.497 min Scan# 142
 Delta R.T. 0.013 min
 Lab File: VV032816.D
 Acq: 31 Oct 2023 22:05

Tgt Ion: 94 Resp: 704
 Ion Ratio Lower Upper
 94 100
 96 65.2 64.2 119.2

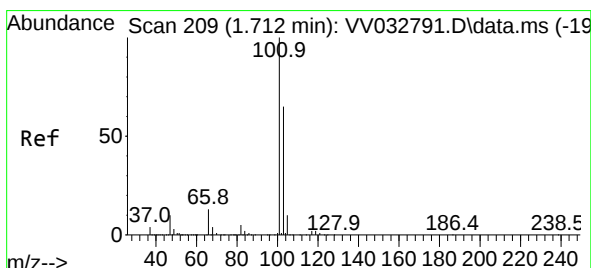
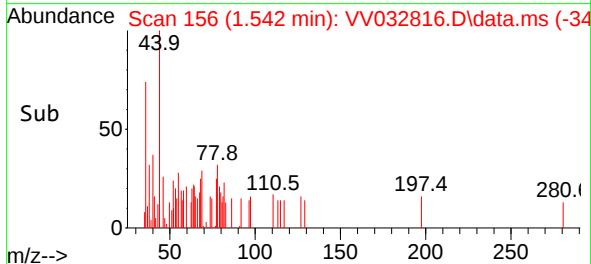
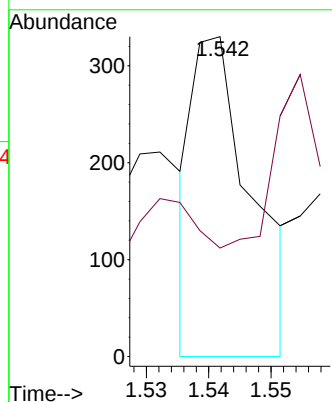
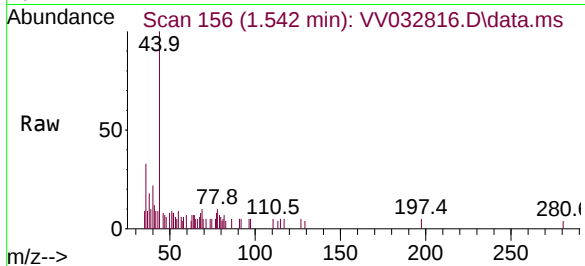




#8
Chloroethane
Concen: 24.806 ug/L
RT: 1.542 min Scan# 11
Delta R.T. -0.006 min
Lab File: VV032816.D
Acq: 31 Oct 2023 22:05

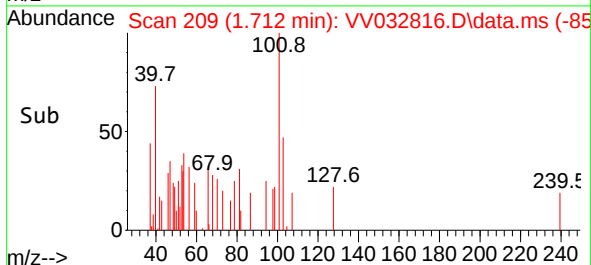
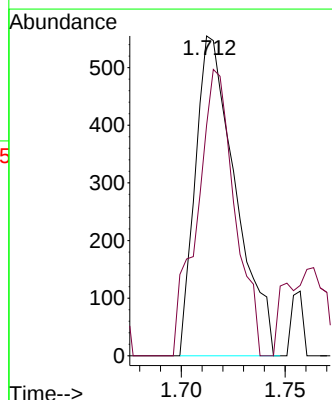
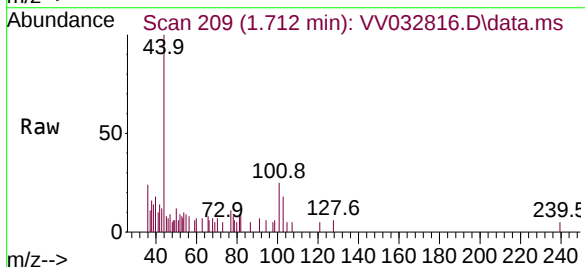
Instrument :
MSVOA_V
ClientSampleId :

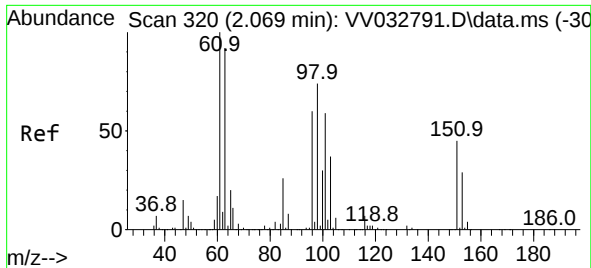
Tgt Ion: 64 Resp: 216
Ion Ratio Lower Upper
64 100
66 33.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 36.094 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV032816.D
Acq: 31 Oct 2023 22:05

Tgt Ion:101 Resp: 744
Ion Ratio Lower Upper
101 100
103 75.9 51.7 77.5

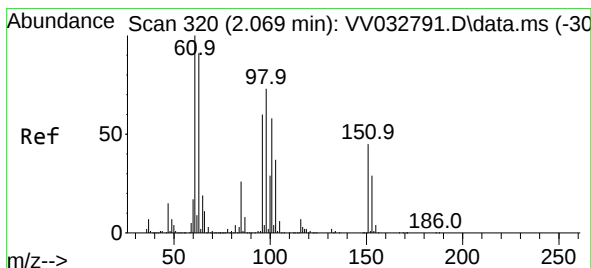
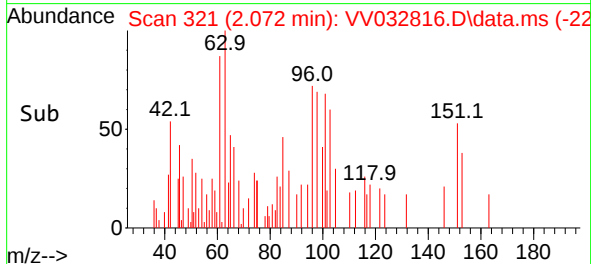
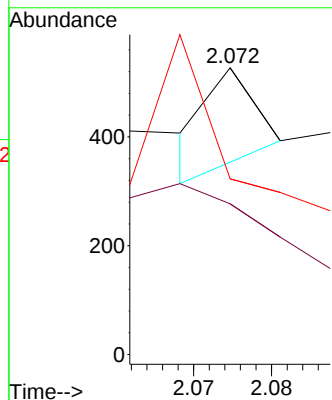
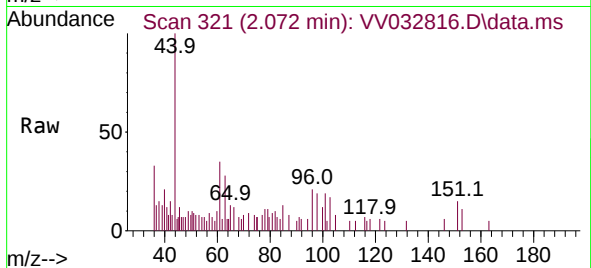




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.287 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV032816.D
 Acq: 31 Oct 2023 22:05

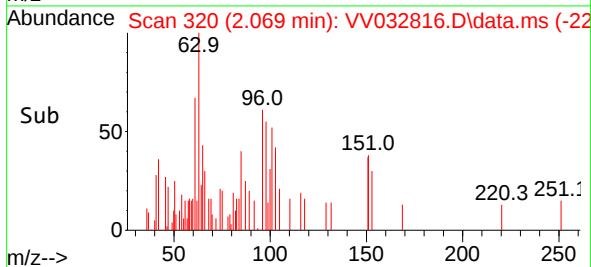
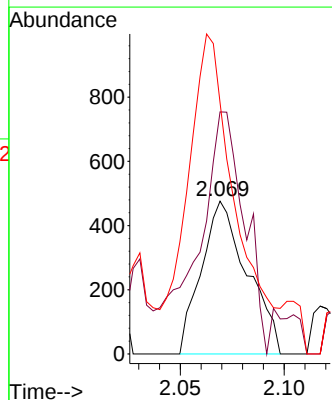
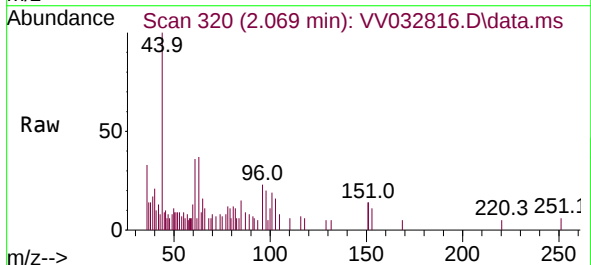
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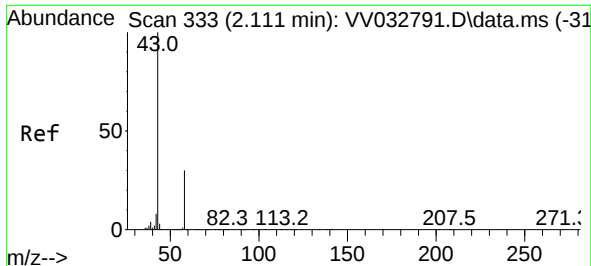
Tgt Ion:101 Resp: 41
 Ion Ratio Lower Upper
 101 100
 85 1095.1 35.6 53.4#
 151 1524.4 59.9 89.9#



#12
 1,1-Dichloroethene
 Concen: 68.587 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV032816.D
 Acq: 31 Oct 2023 22:05

Tgt Ion: 96 Resp: 731
 Ion Ratio Lower Upper
 96 100
 61 158.4 124.2 230.6
 63 164.5 111.8 207.6

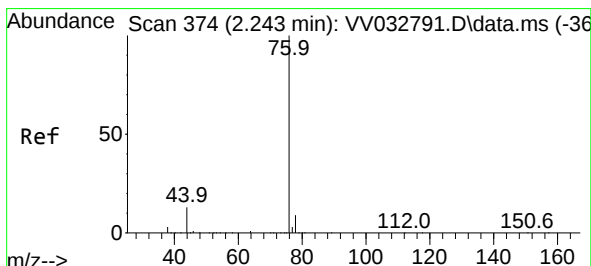
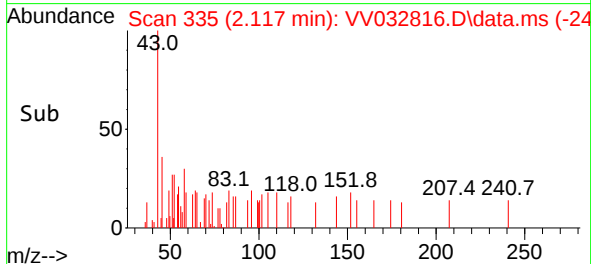
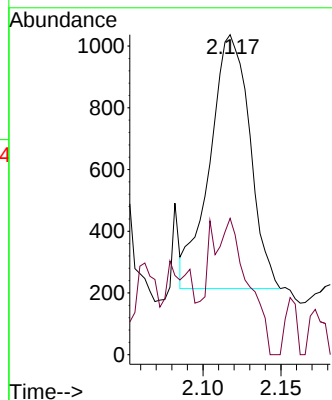
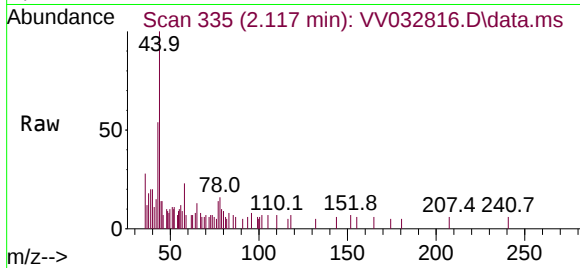




#13
Acetone
Concen: 149.283 ug/L
RT: 2.117 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV032816.D
Acq: 31 Oct 2023 22:05

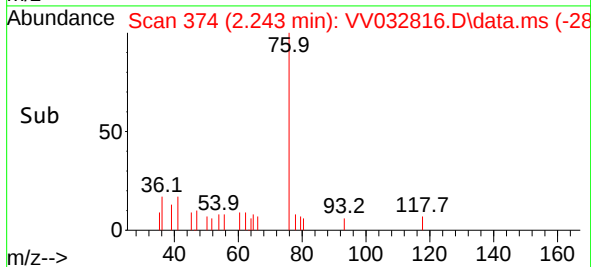
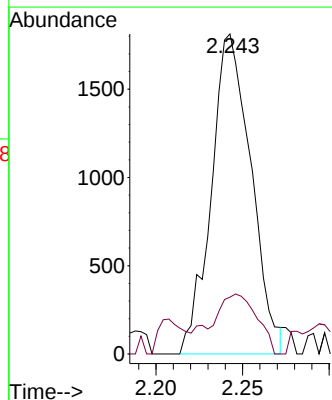
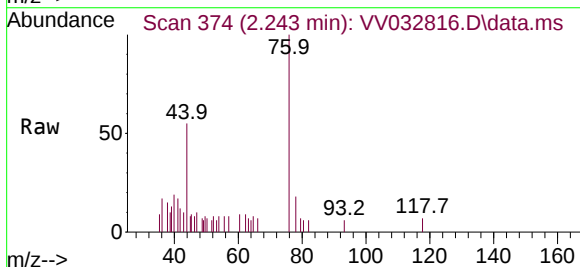
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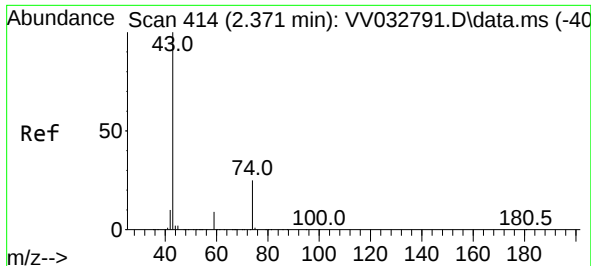
Tgt Ion: 43 Resp: 1469
Ion Ratio Lower Upper
43 100
58 37.1 0.0 61.2



#14
Carbon disulfide
Concen: 113.904 ug/L
RT: 2.243 min Scan# 374
Delta R.T. -0.000 min
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Acq: 31 Oct 2023 22:05

Tgt Ion: 76 Resp: 2898
Ion Ratio Lower Upper
76 100
78 17.8 7.6 11.4#

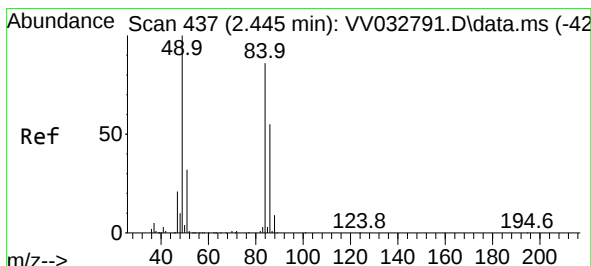
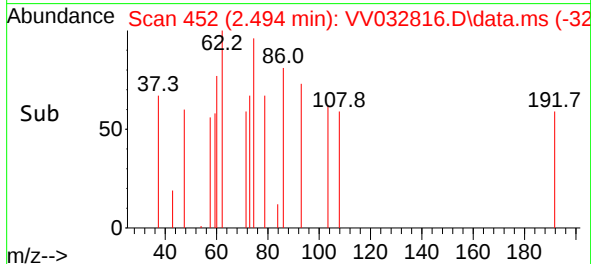
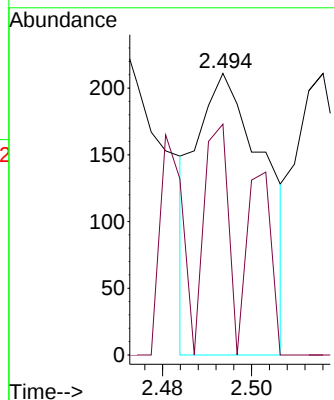
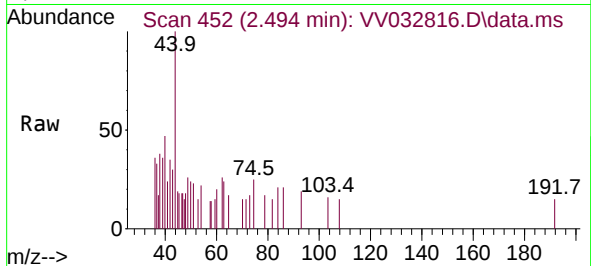




#15
Methyl Acetate
Concen: 22.651 ug/L
RT: 2.494 min Scan# 414
Delta R.T. 0.122 min
Lab File: VV032816.D
Acq: 31 Oct 2023 22:05

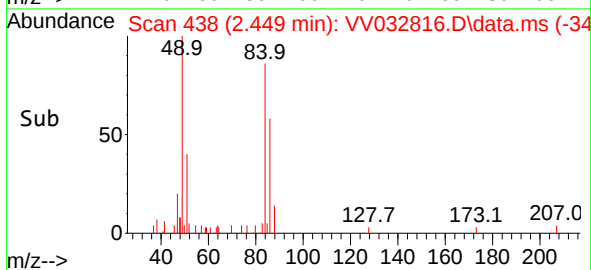
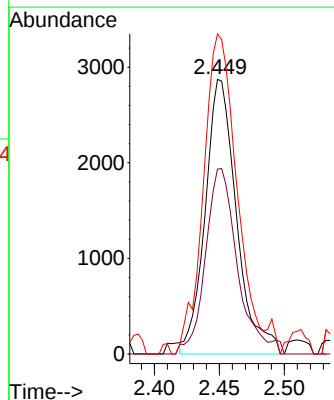
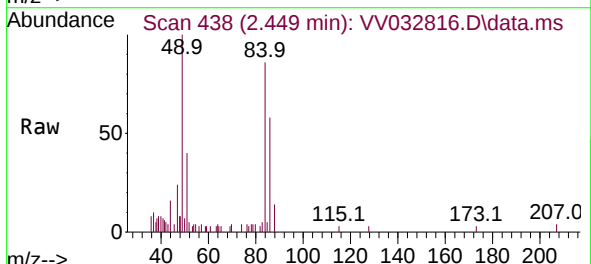
Instrument :
MSVOA_V
ClientSampleId :

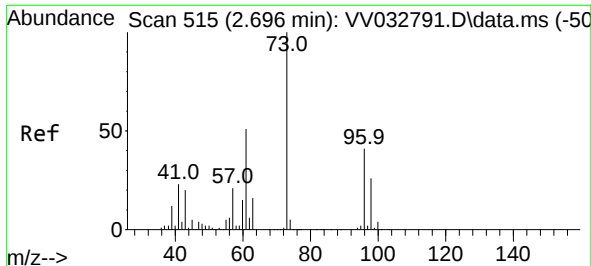
Tgt Ion: 43 Resp: 226
Ion Ratio Lower Upper
43 100
74 28.3 20.6 30.8



#16
Methylene chloride
Concen: 341.158 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032816.D
Acq: 31 Oct 2023 22:05

Tgt Ion: 84 Resp: 4823
Ion Ratio Lower Upper
84 100
86 67.3 45.0 83.6
49 116.5 81.2 150.8





#17

trans-1,2-Dichloroethene

Concen: 59.080 ug/L

RT: 2.699 min Scan# 515

Delta R.T. 0.003 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

Instrument :

MSVOA_V

ClientSampleId :

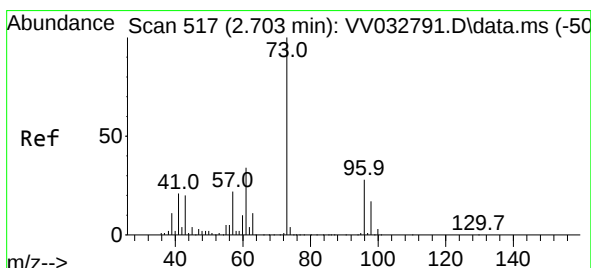
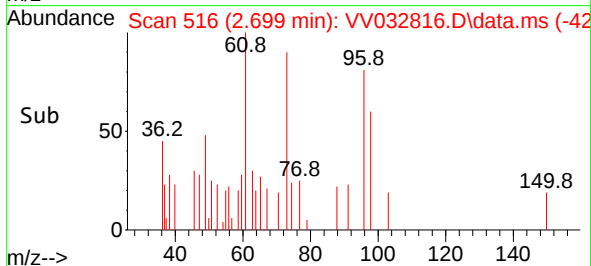
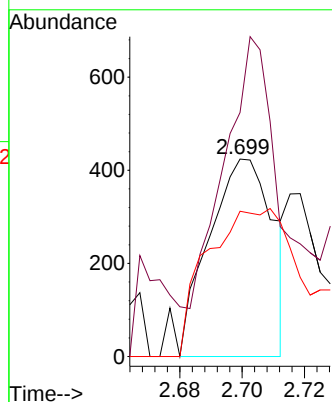
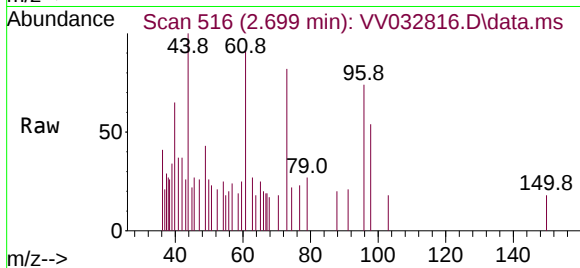
Tgt Ion: 96 Resp: 601

Ion Ratio Lower Upper

96 100

61 123.6 86.9 161.3

98 73.6 42.9 79.7



#18

Methyl tert-butyl Ether

Concen: 13.847 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

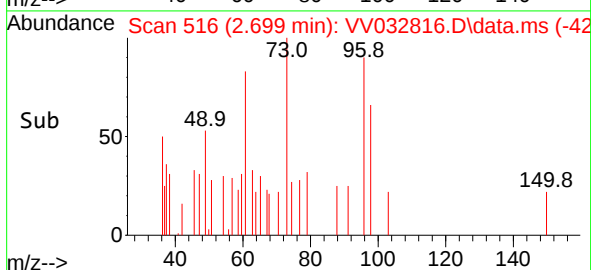
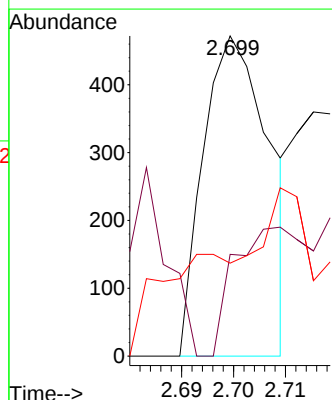
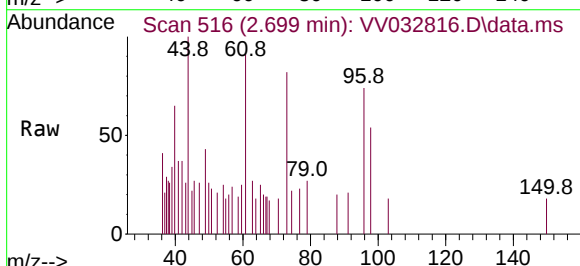
Tgt Ion: 73 Resp: 416

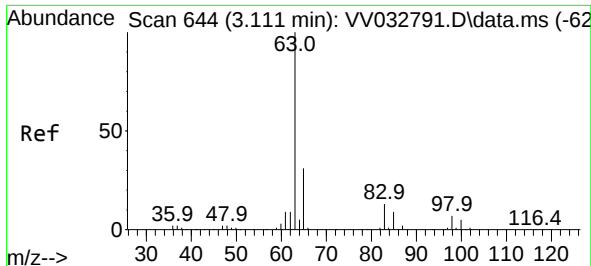
Ion Ratio Lower Upper

73 100

43 0.0 16.1 24.1#

57 19.7 17.4 26.0





#19

1,1-Dichloroethane

Concen: 14.289 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.006 min

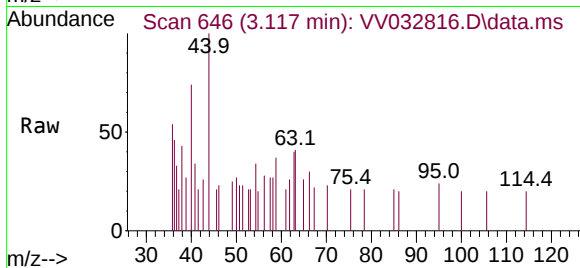
Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

Instrument :

MSVOA_V

ClientSampleId :



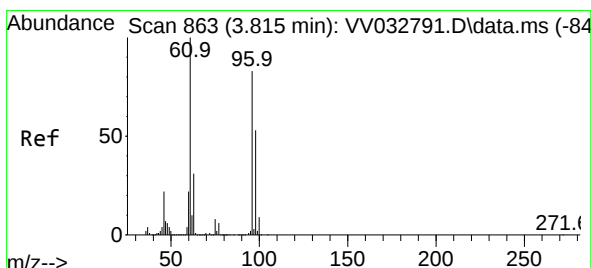
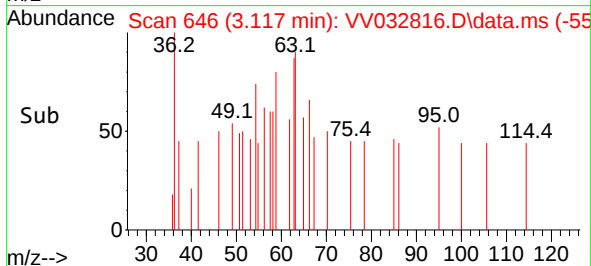
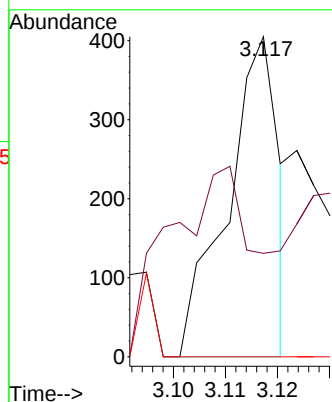
Tgt Ion: 63 Resp: 277

Ion Ratio Lower Upper

63 100

65 32.3 22.3 41.5

83 0.0 10.1 18.7#



#20

cis-1,2-Dichloroethene

Concen: 10.681 ug/L

RT: 3.838 min Scan# 870

Delta R.T. 0.022 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

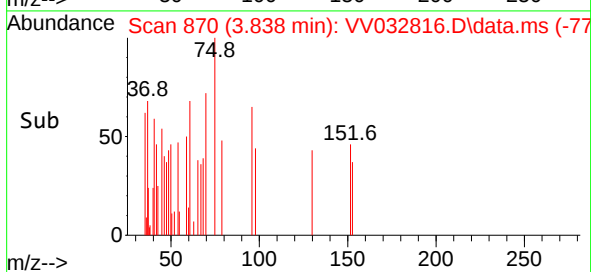
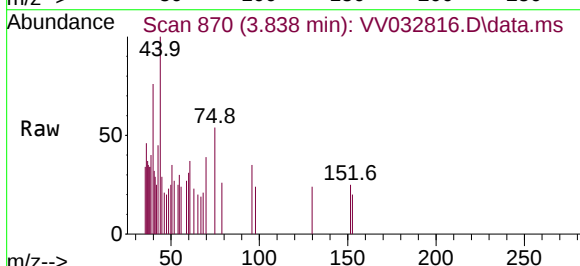
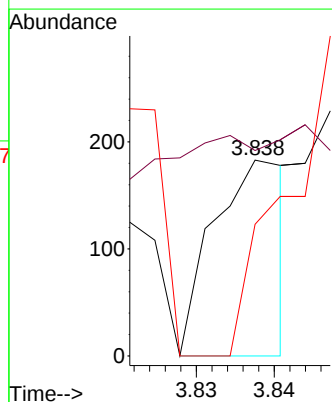
Tgt Ion: 96 Resp: 120

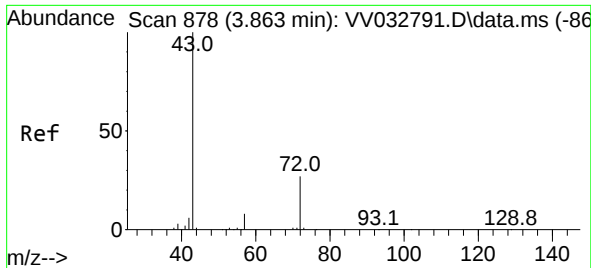
Ion Ratio Lower Upper

96 100

61 104.9 83.3 154.7

98 67.2 44.2 82.2

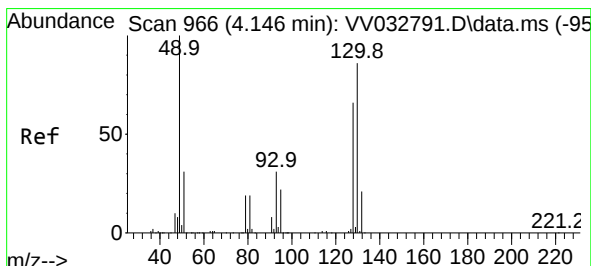
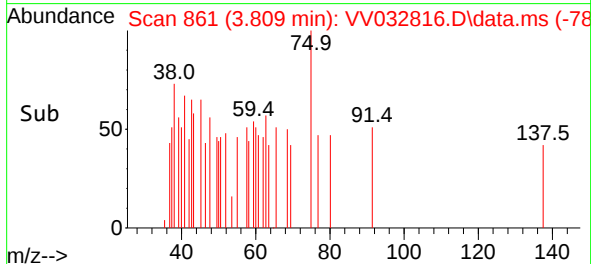
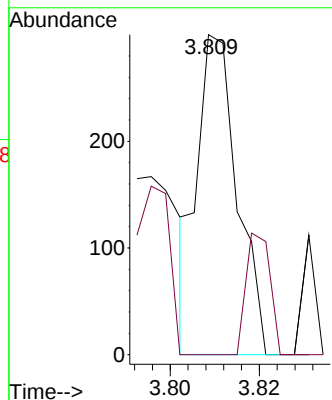
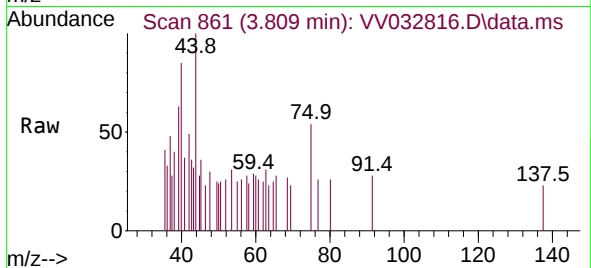




#22
2-Butanone
Concen: 22.288 ug/L
RT: 3.809 min Scan# 80
Delta R.T. -0.055 min
Lab File: VV032816.D
Acq: 31 Oct 2023 22:05

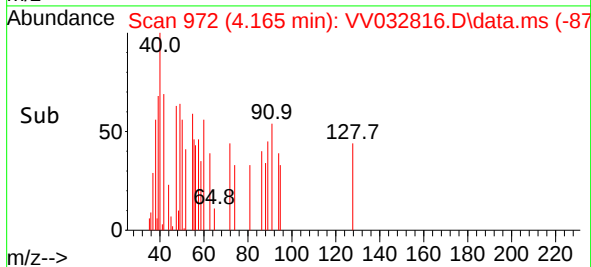
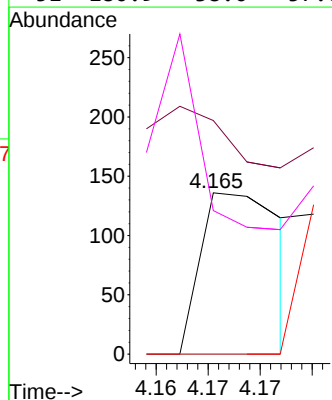
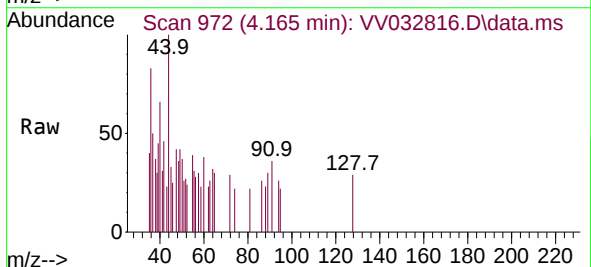
Instrument :
MSVOA_V
ClientSampleId :

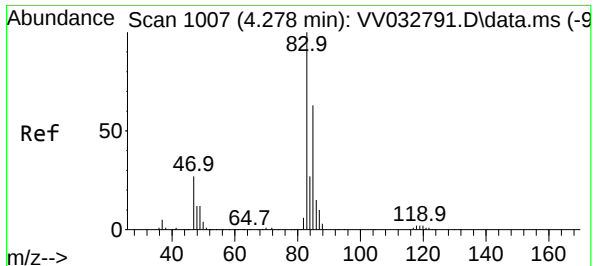
Tgt Ion: 43 Resp: 186
Ion Ratio Lower Upper
43 100
72 22.6 13.5 40.4



#23
Bromochloromethane
Concen: 11.801 ug/L
RT: 4.165 min Scan# 972
Delta R.T. 0.019 min
Lab File: VV032816.D
Acq: 31 Oct 2023 22:05

Tgt Ion:128 Resp: 74
Ion Ratio Lower Upper
128 100
49 144.9 101.0 187.6
130 0.0 88.5 164.4#
51 180.9 38.0 57.0#

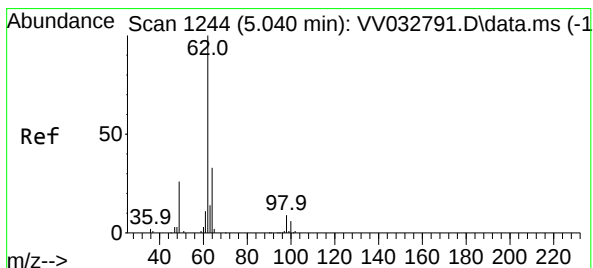
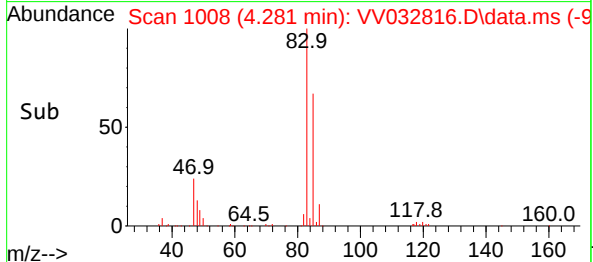
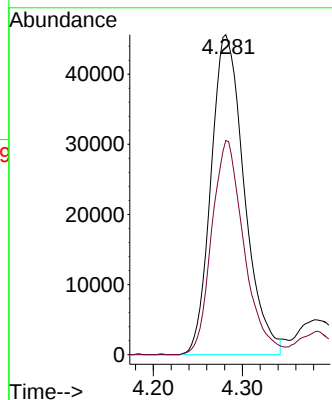
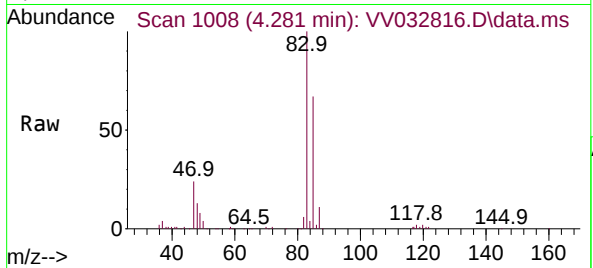




#25
Chloroform
Concen: 5356.477 ug/L
RT: 4.281 min Scan# 10
Delta R.T. 0.003 min
Lab File: VV032816.D
Acq: 31 Oct 2023 22:05

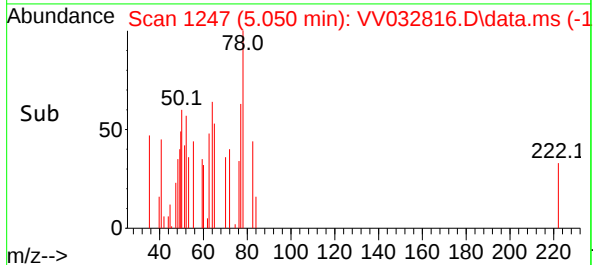
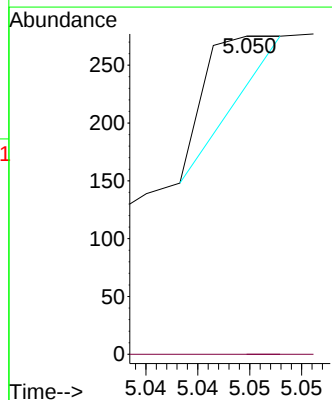
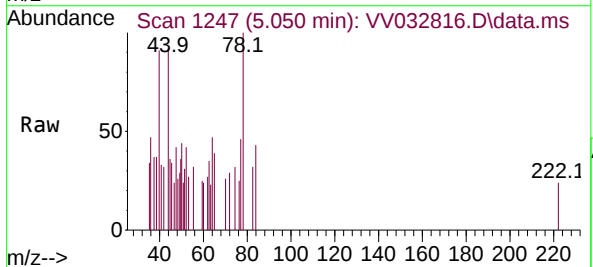
Instrument :
MSVOA_V
ClientSampleId :

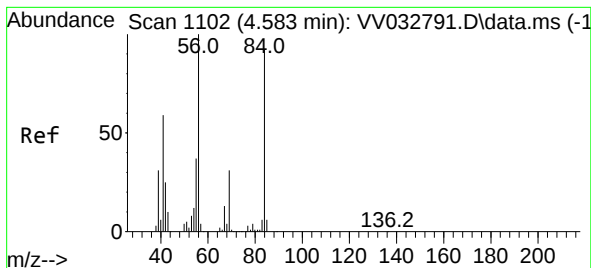
Tgt Ion: 83 Resp: 118354
Ion Ratio Lower Upper
83 100
85 67.0 46.2 85.8



#27
1,2-Dichloroethane
Concen: 2.324 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.010 min
Lab File: VV032816.D
Acq: 31 Oct 2023 22:05

Tgt Ion: 62 Resp: 37
Ion Ratio Lower Upper
62 100
98 0.0 7.5 11.3#





#29

Cyclohexane

Concen: 11.413 ug/L

RT: 4.580 min Scan# 1102

Delta R.T. -0.003 min

Lab File: VV032816.D

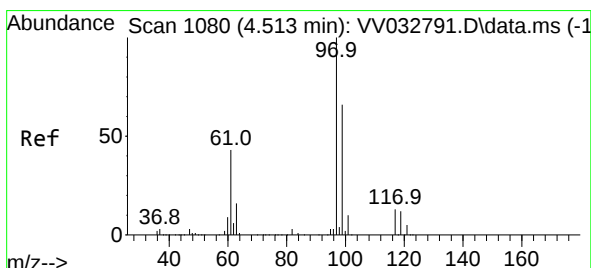
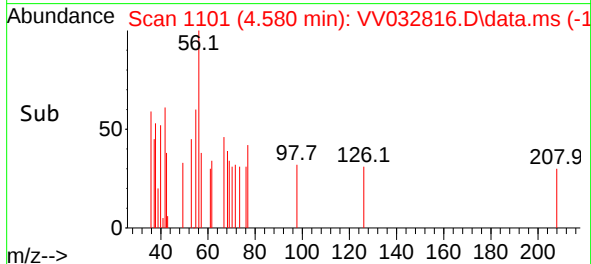
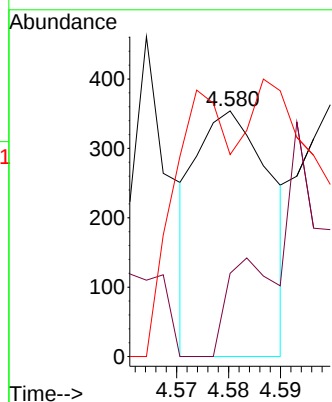
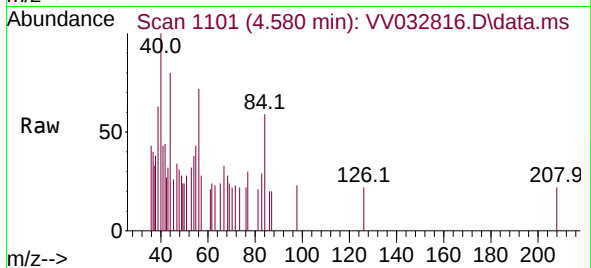
Acq: 31 Oct 2023 22:05

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	56	Resp:	351
Ion	Ratio	Lower	Upper
56	100		
69	26.5	13.4	20.0#
84	97.2	75.3	112.9



#30

1,1,1-Trichloroethane

Concen: 5.415 ug/L

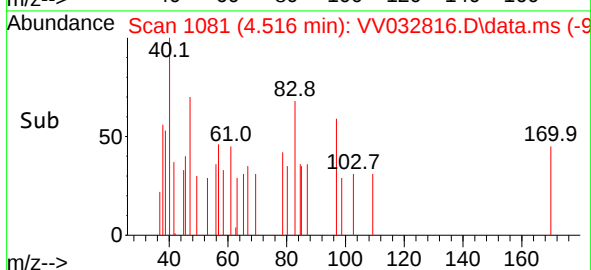
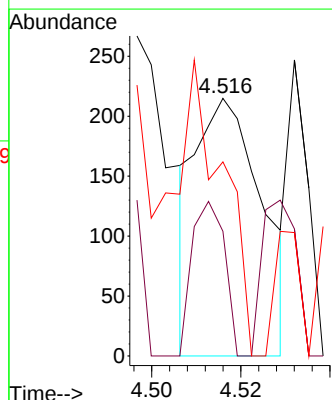
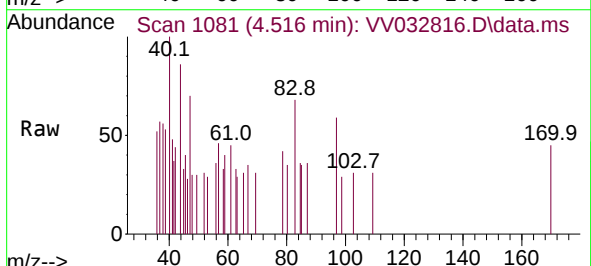
RT: 4.516 min Scan# 1081

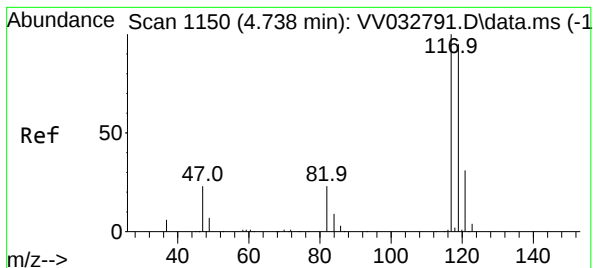
Delta R.T. 0.003 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

Tgt Ion:	97	Resp:	222
Ion	Ratio	Lower	Upper
97	100		
99	29.7	51.8	77.6#
61	34.2	34.8	52.2#





#31

Carbon tetrachloride

Concen: 7.646 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. 0.003 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

Instrument :

MSVOA_V

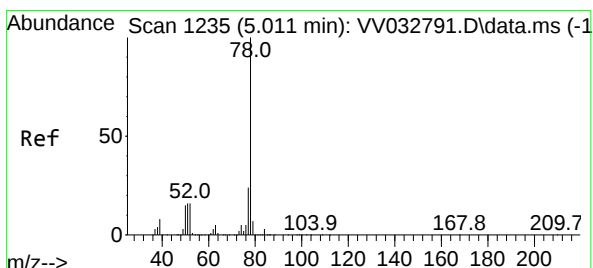
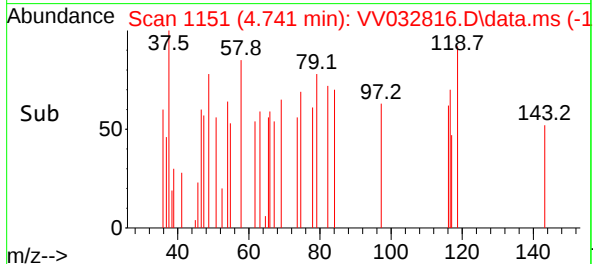
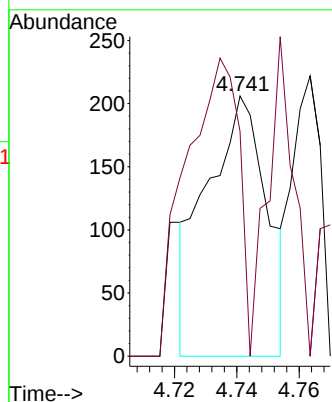
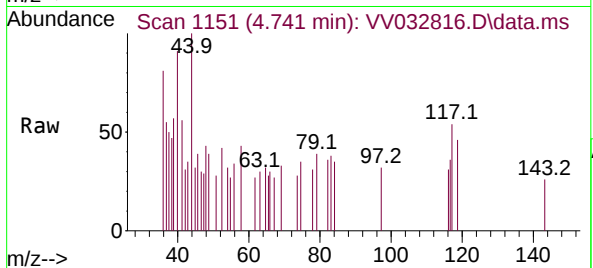
ClientSampleId :

Tgt Ion:117 Resp: 277

Ion Ratio Lower Upper

117 100

119 99.6 76.6 115.0



#33

Benzene

Concen: 1.389 ug/L

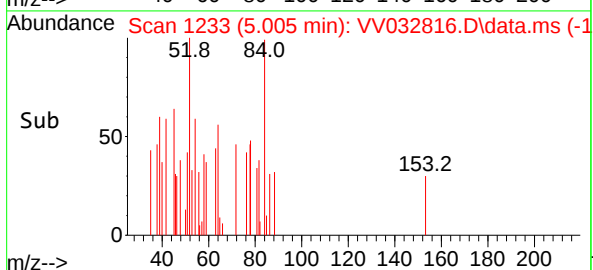
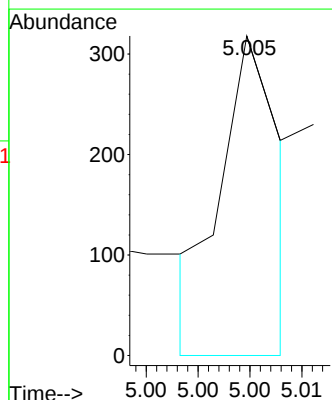
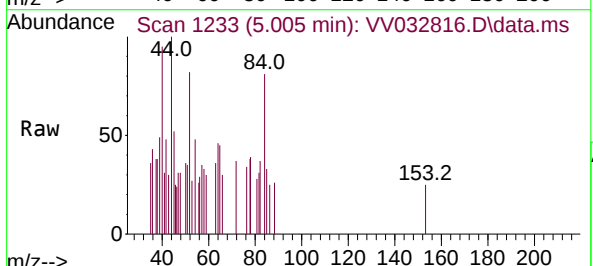
RT: 5.005 min Scan# 1233

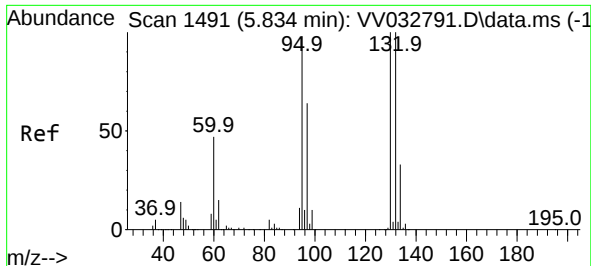
Delta R.T. -0.006 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

Tgt Ion: 78 Resp: 126





#34

Trichloroethene

Concen: 19.795 ug/L

RT: 5.841 min Scan# 1491

Delta R.T. 0.006 min

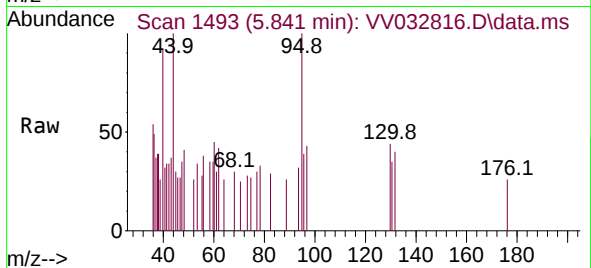
Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 500

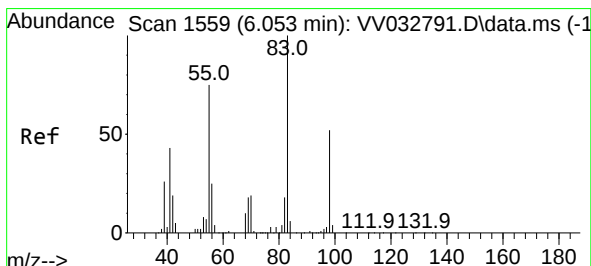
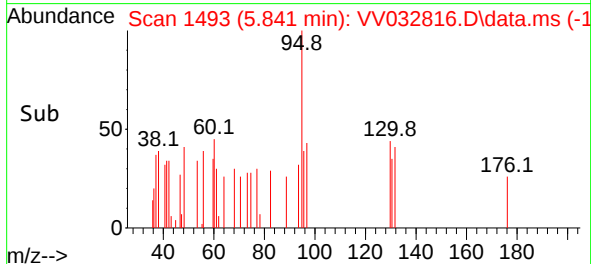
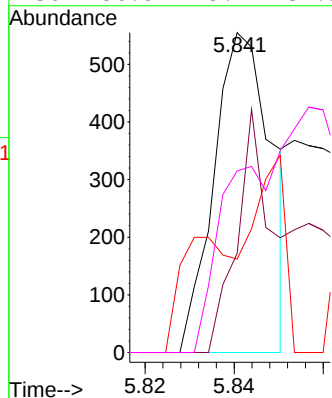
Ion Ratio Lower Upper

95 100

97 31.0 46.3 85.9#

132 29.2 69.0 128.2#

130 56.8 75.1 139.5#



#35

Methylcyclohexane

Concen: 23.758 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. -0.000 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

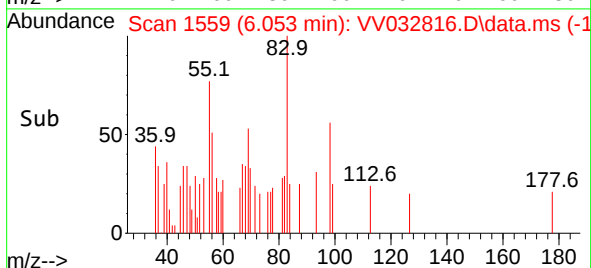
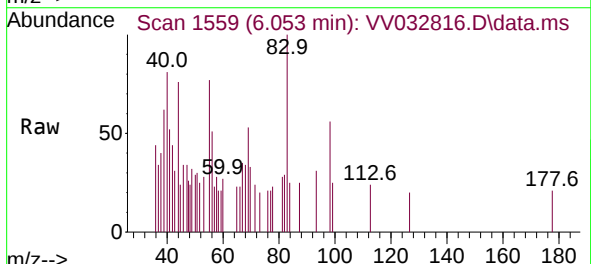
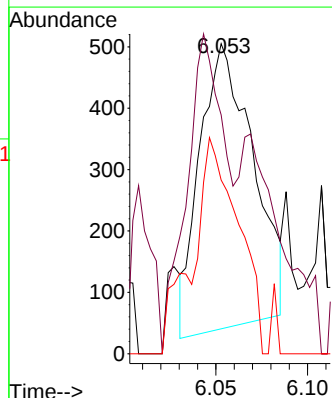
Tgt Ion: 83 Resp: 939

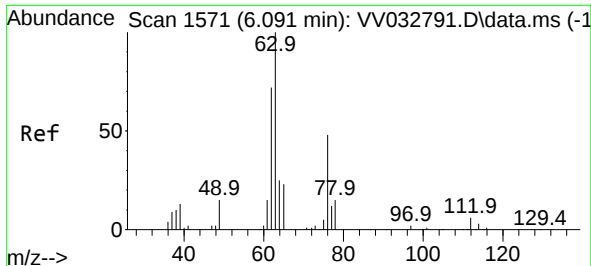
Ion Ratio Lower Upper

83 100

55 80.1 57.8 86.8

98 53.0 39.4 59.2





#37

1,2-Dichloropropane

Concen: 4.484 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

Instrument :

MSVOA_V

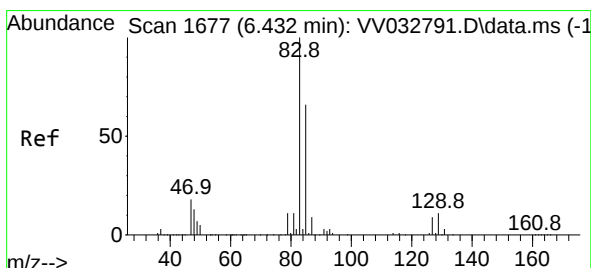
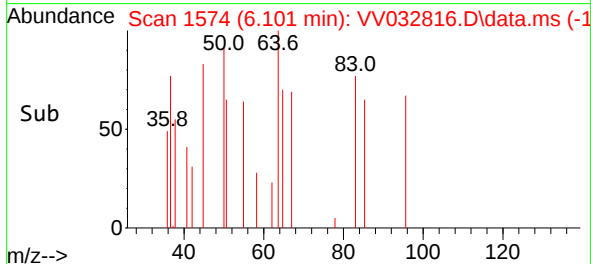
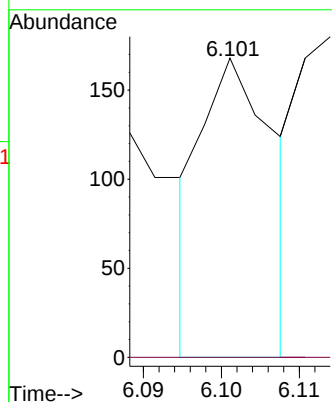
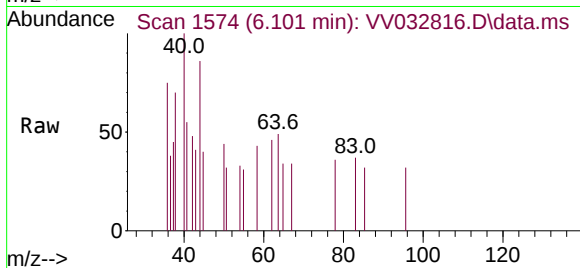
ClientSampleId :

Tgt Ion: 63 Resp: 108

Ion Ratio Lower Upper

63 100

112 0.0 4.1 6.1#



#38

Bromodichloromethane

Concen: 1329.178 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

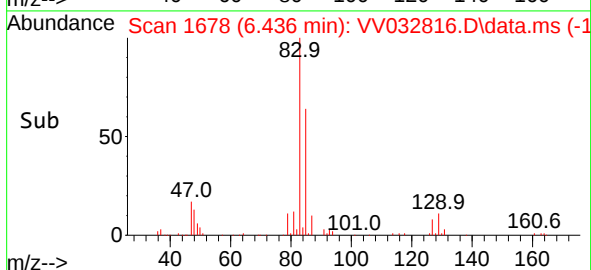
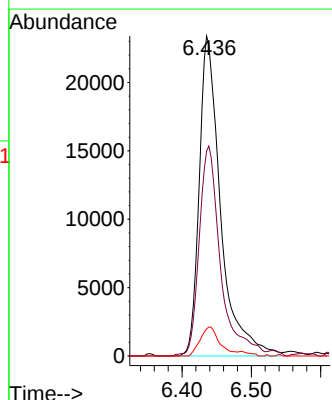
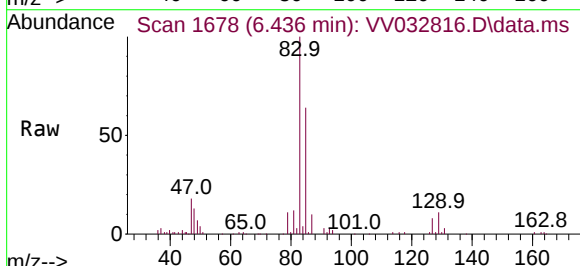
Tgt Ion: 83 Resp: 50226

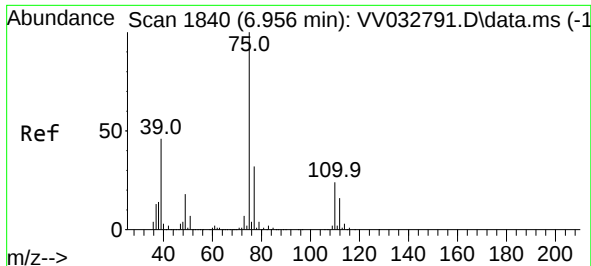
Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.9

127 8.5 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 0.747 ug/L

RT: 6.976 min Scan# 11

Delta R.T. 0.019 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

Instrument :

MSVOA_V

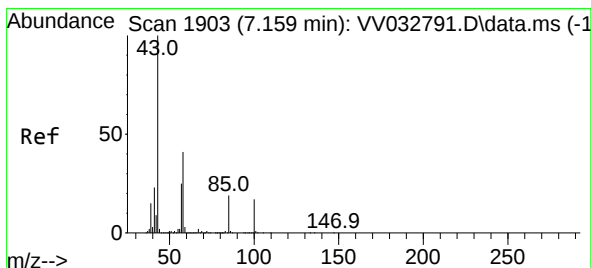
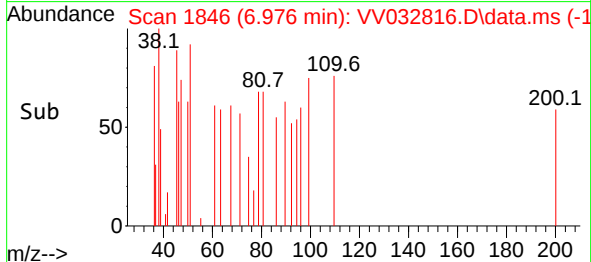
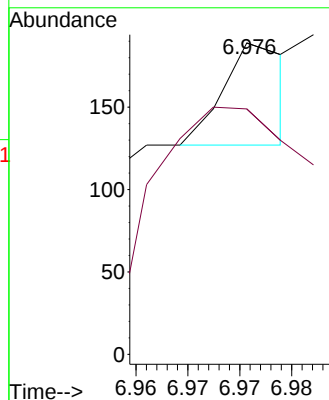
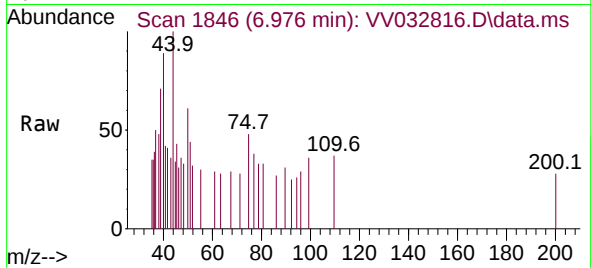
ClientSampleId :

Tgt Ion: 75 Resp: 27

Ion Ratio Lower Upper

75 100

77 78.8 23.0 42.8#



#40

4-Methyl-2-pentanone

Concen: 2.627 ug/L

RT: 7.153 min Scan# 1901

Delta R.T. -0.006 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

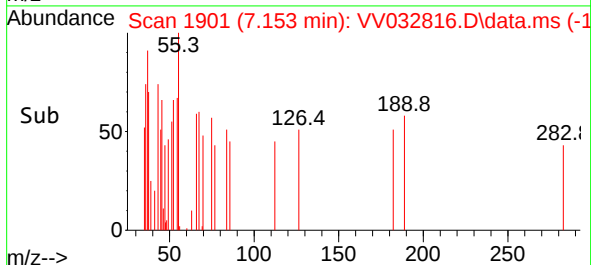
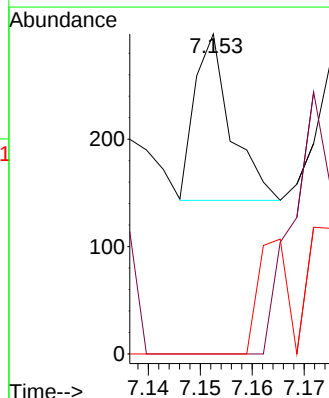
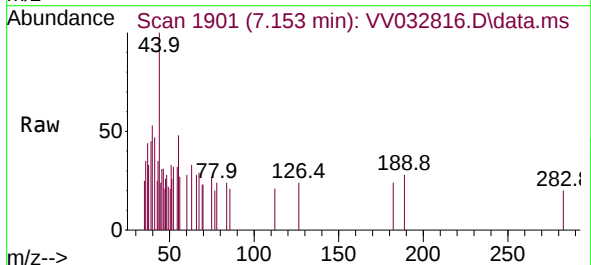
Tgt Ion: 43 Resp: 75

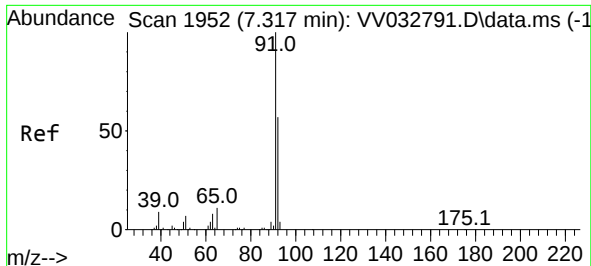
Ion Ratio Lower Upper

43 100

58 0.0 31.4 47.0#

100 53.3 13.3 19.9#





#42

Toluene

Concen: 5.516 ug/L

RT: 7.333 min Scan# 1952

Delta R.T. 0.016 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

Instrument :

MSVOA_V

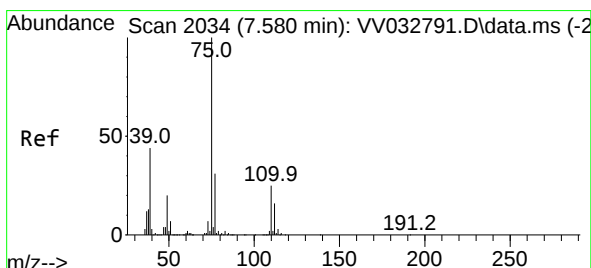
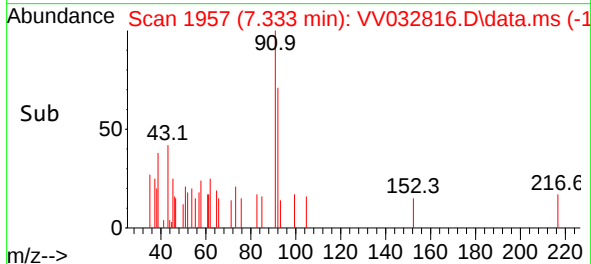
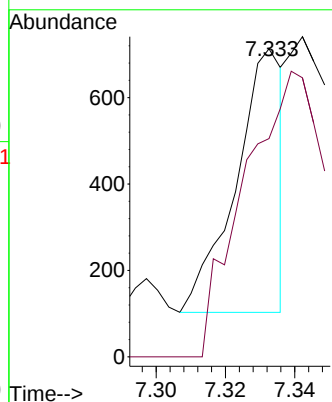
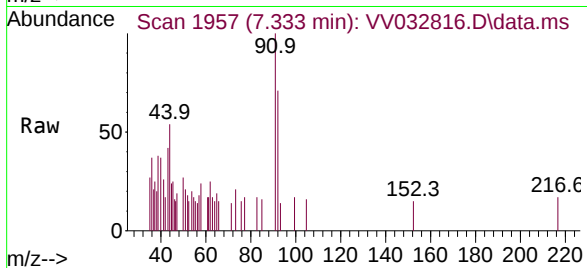
ClientSampleId :

Tgt Ion: 91 Resp: 570

Ion Ratio Lower Upper

91 100

92 70.8 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 1.509 ug/L

RT: 7.693 min Scan# 2069

Delta R.T. 0.113 min

Lab File: VV032816.D

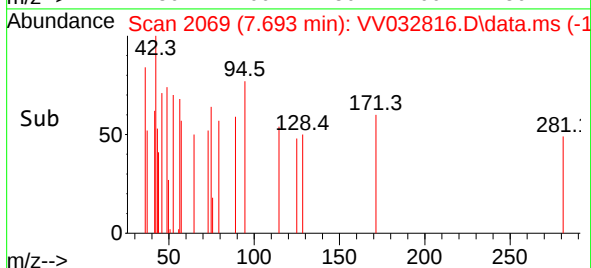
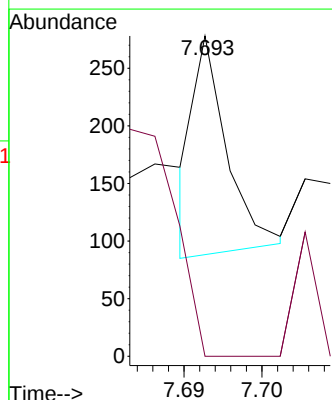
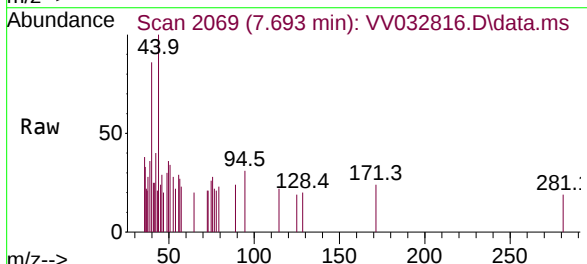
Acq: 31 Oct 2023 22:05

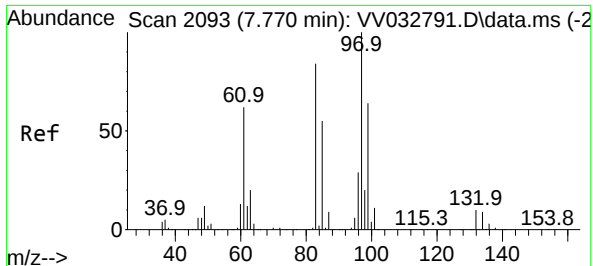
Tgt Ion: 75 Resp: 56

Ion Ratio Lower Upper

75 100

77 38.8 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 8.289 ug/L

RT: 7.783 min Scan# 2097

Delta R.T. 0.013 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 229

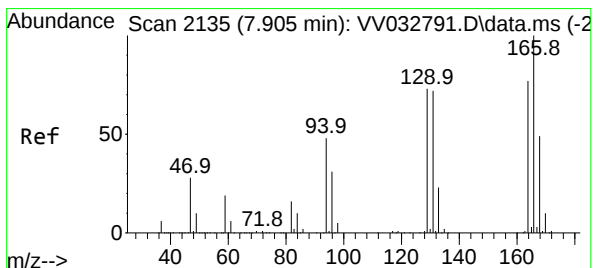
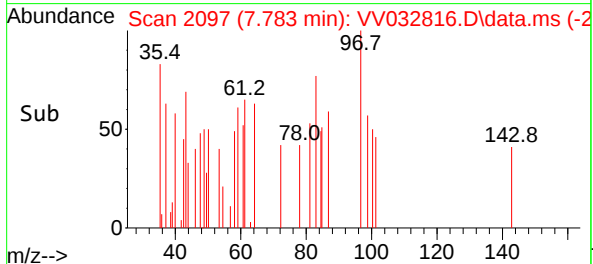
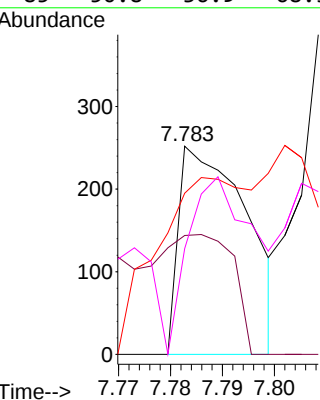
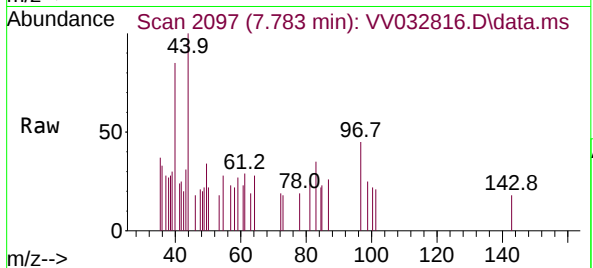
Ion Ratio Lower Upper

97 100

99 57.1 42.8 79.6

83 77.4 58.4 108.4

85 50.8 36.9 68.5



#46

Tetrachloroethene

Concen: 26.853 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.006 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

Tgt Ion:164 Resp: 612

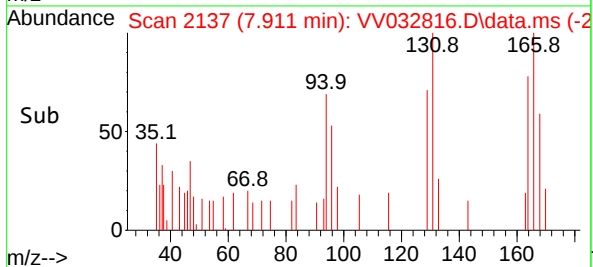
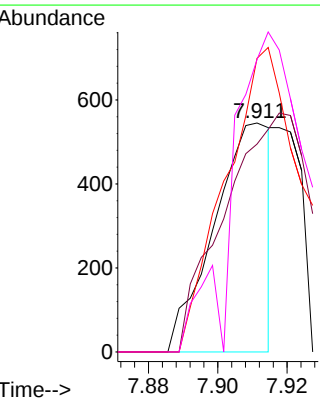
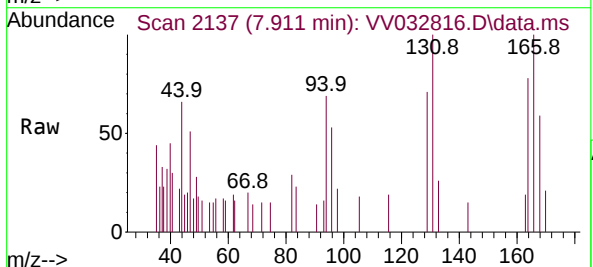
Ion Ratio Lower Upper

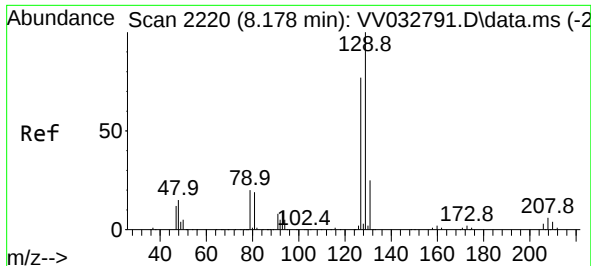
164 100

129 90.8 65.3 121.3

131 128.3 65.0 120.8#

166 127.7 87.8 163.2





#49

Dibromochloromethane

Concen: 212.160 ug/L

RT: 8.185 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

Instrument :

MSVOA_V

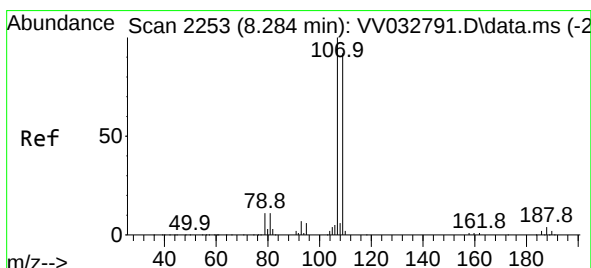
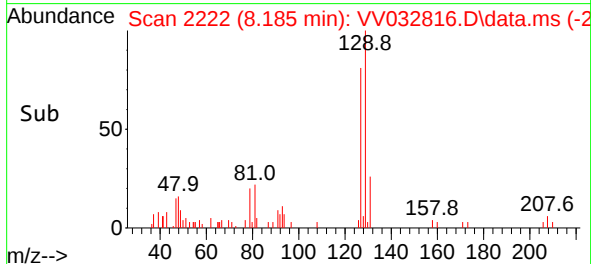
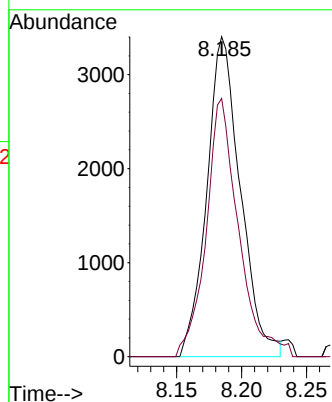
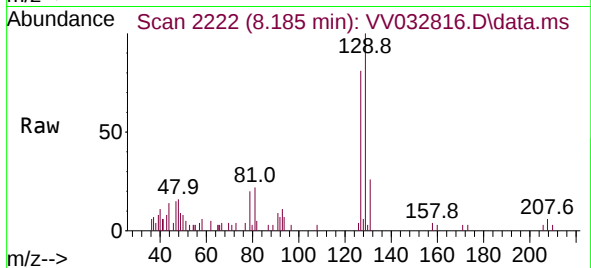
ClientSampleId :

Tgt Ion:129 Resp: 6128

Ion Ratio Lower Upper

129 100

127 80.7 54.7 101.5



#50

1,2-Dibromoethane

Concen: 12.080 ug/L

RT: 8.300 min Scan# 2258

Delta R.T. 0.016 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

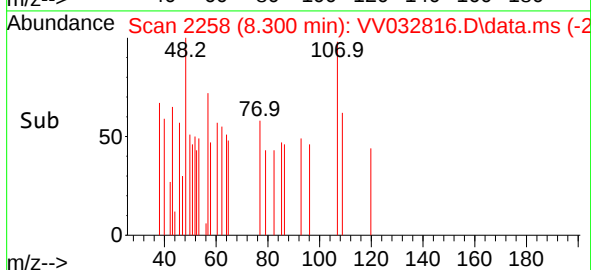
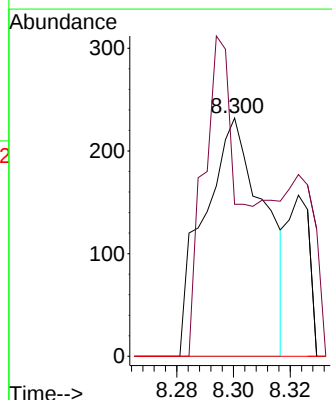
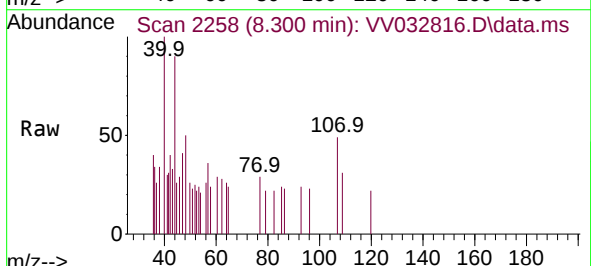
Tgt Ion:107 Resp: 340

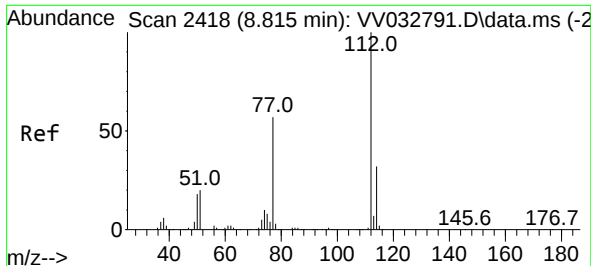
Ion Ratio Lower Upper

107 100

109 63.8 66.4 123.2#

188 0.0 3.0 4.6#





#51

Chlorobenzene

Concen: 32.123 ug/L

RT: 8.834 min Scan# 2418

Delta R.T. 0.019 min

Lab File: VV032816.D

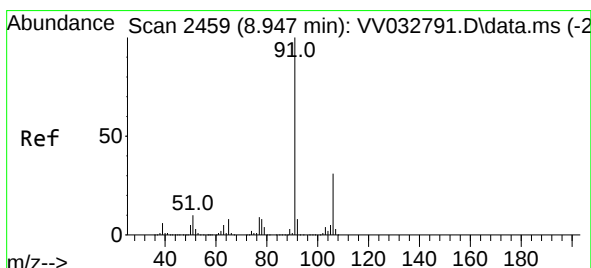
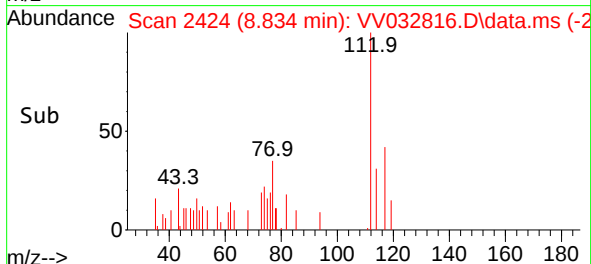
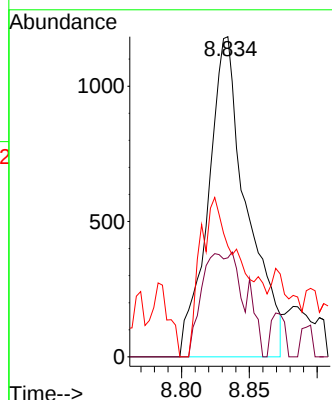
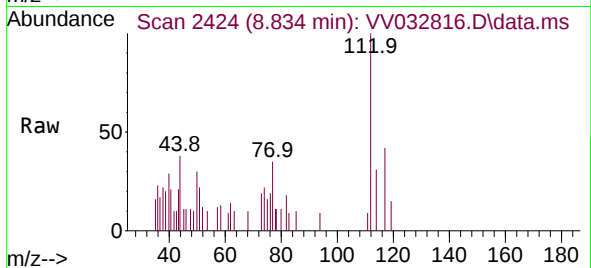
Acq: 31 Oct 2023 22:05

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	112	Resp:	2350
Ion	Ratio	Lower	Upper
112	100		
114	30.9	21.6	40.2
77	34.6	44.4	66.6#



#52

Ethylbenzene

Concen: 20.054 ug/L

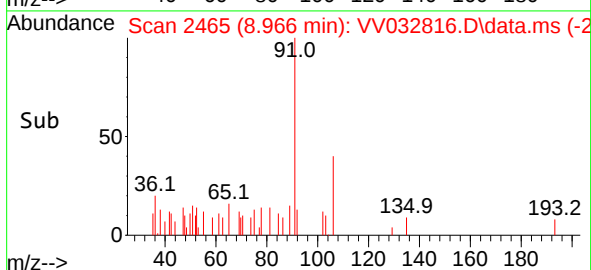
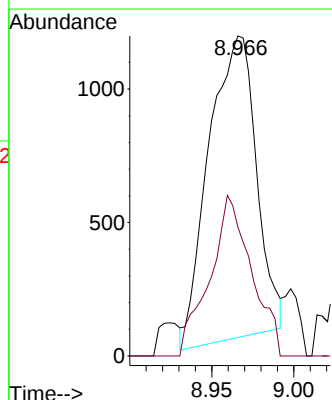
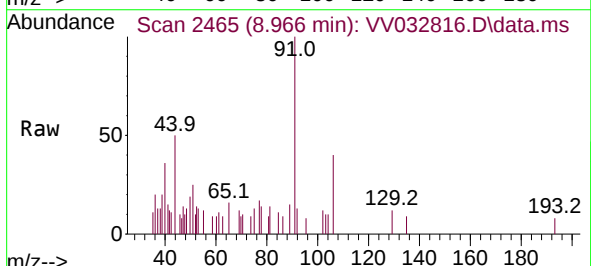
RT: 8.966 min Scan# 2465

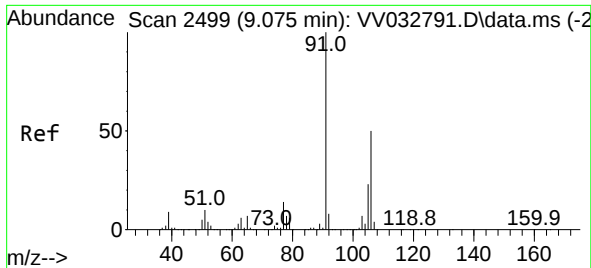
Delta R.T. 0.019 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

Tgt Ion:	91	Resp:	2286
Ion	Ratio	Lower	Upper
91	100		
106	40.2	21.7	40.3

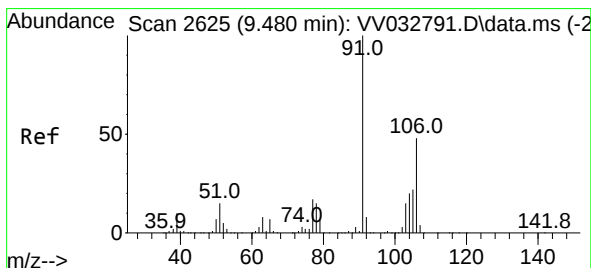
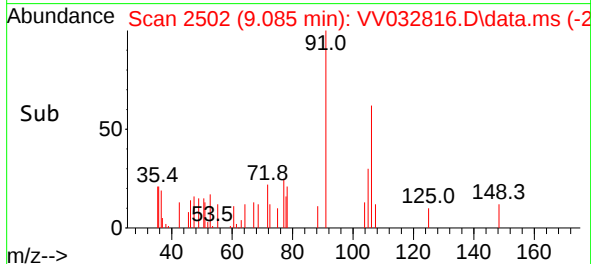
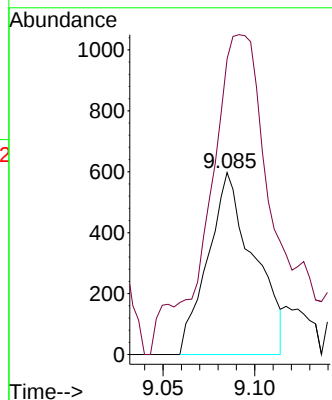
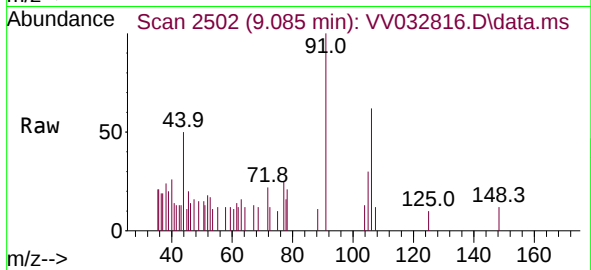




#53
m,p-Xylene
Concen: 23.996 ug/L
RT: 9.085 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV032816.D
Acq: 31 Oct 2023 22:05

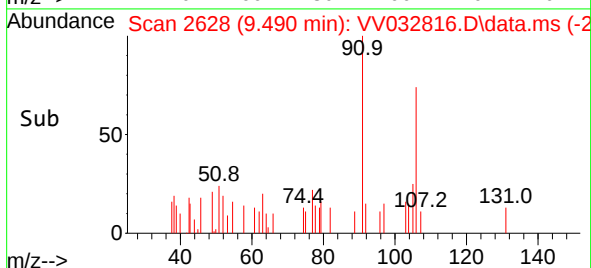
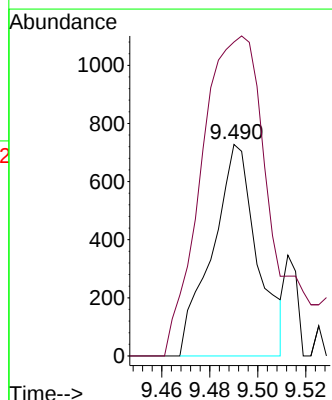
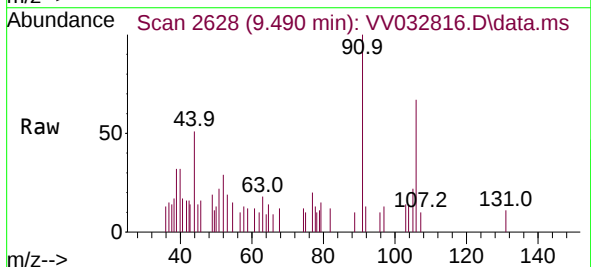
Instrument :
MSVOA_V
ClientSampleId :

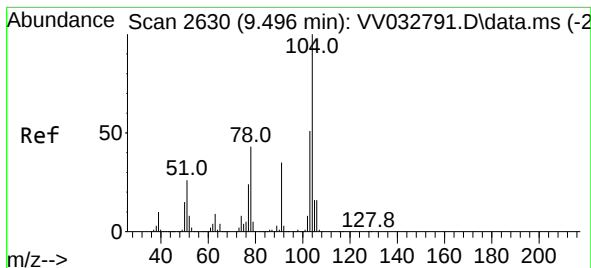
Tgt Ion:106 Resp: 1041
Ion Ratio Lower Upper
106 100
91 162.5 139.7 259.5



#54
o-Xylene
Concen: 22.485 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.010 min
Lab File: VV032816.D
Acq: 31 Oct 2023 22:05

Tgt Ion:106 Resp: 945
Ion Ratio Lower Upper
106 100
91 148.4 151.0 280.4#





#55

Styrene

Concen: 17.872 ug/L

RT: 9.519 min Scan# 2

Delta R.T. 0.022 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

Instrument :

MSVOA_V

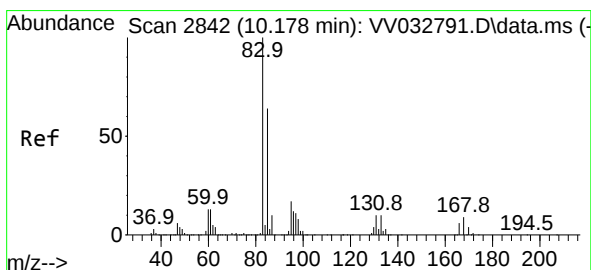
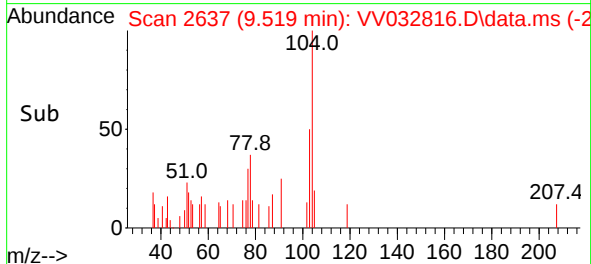
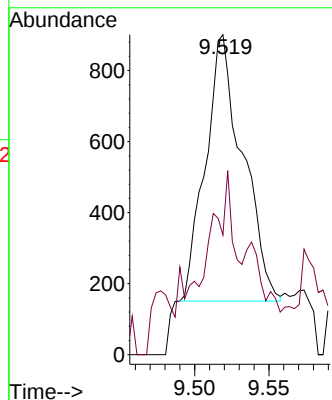
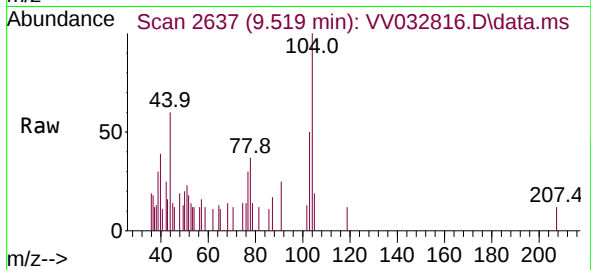
ClientSampleId :

Tgt Ion:104 Resp: 1309

Ion Ratio Lower Upper

104 100

78 51.3 30.1 55.9



#57

1,1,2,2-Tetrachloroethane

Concen: 22.693 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

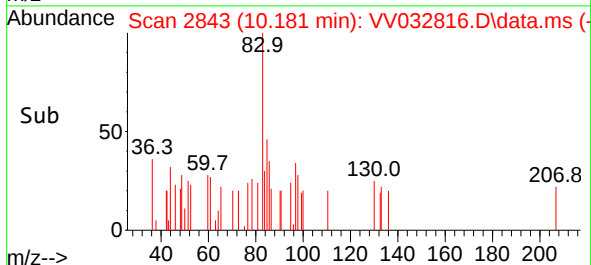
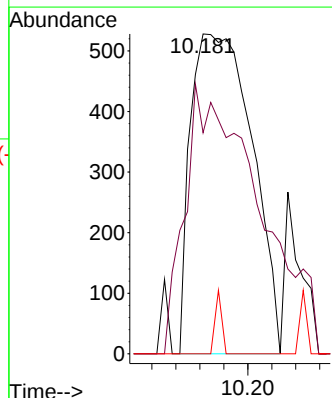
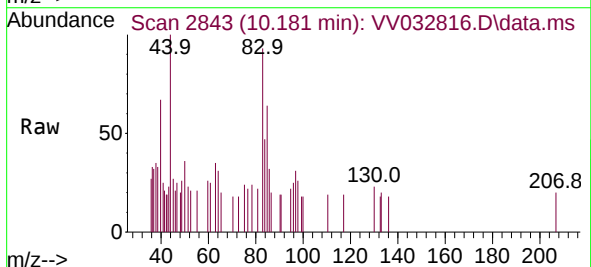
Tgt Ion: 83 Resp: 939

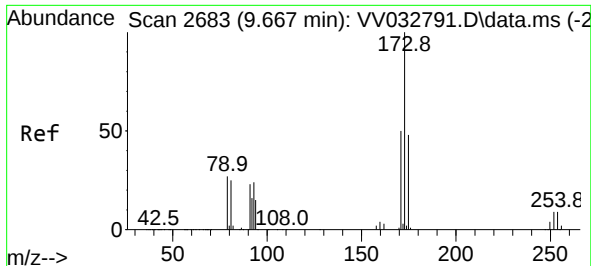
Ion Ratio Lower Upper

83 100

85 103.8 44.9 83.3#

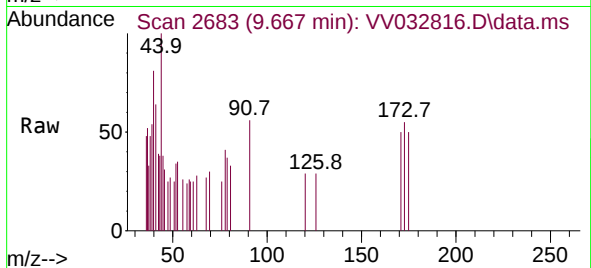
131 0.0 7.8 11.6#



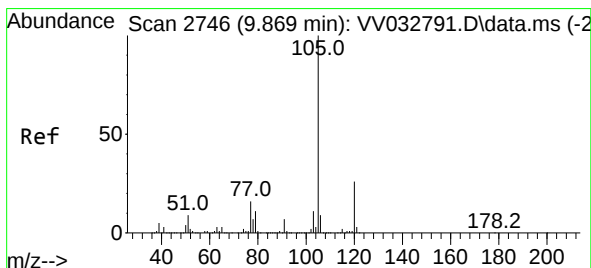
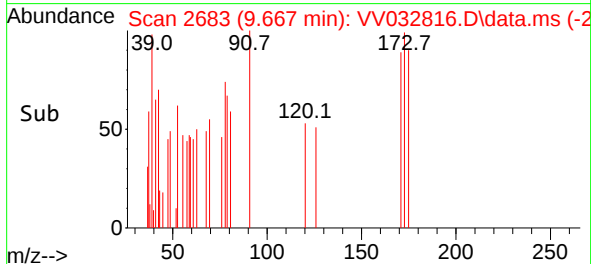
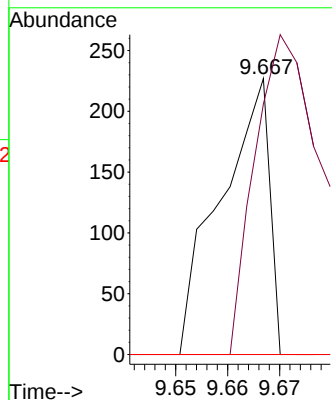


#59
Bromoform
Concen: 4.029 ug/L
RT: 9.667 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV032816.D
Acq: 31 Oct 2023 22:05

Instrument :
MSVOA_V
ClientSampleId :

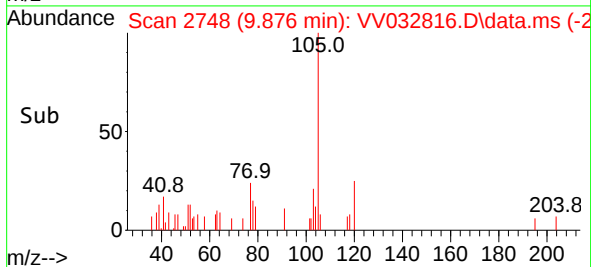
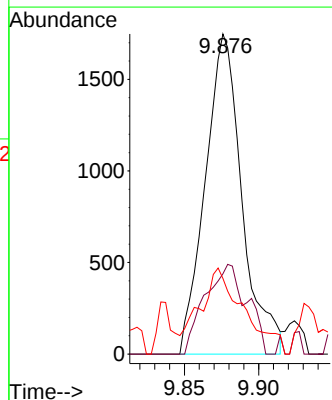
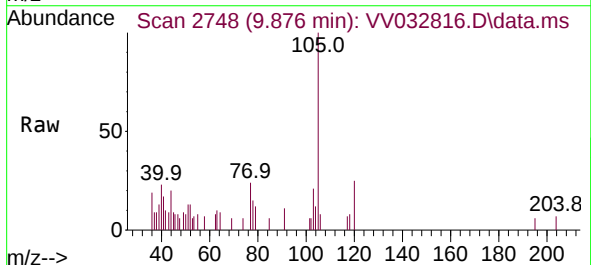


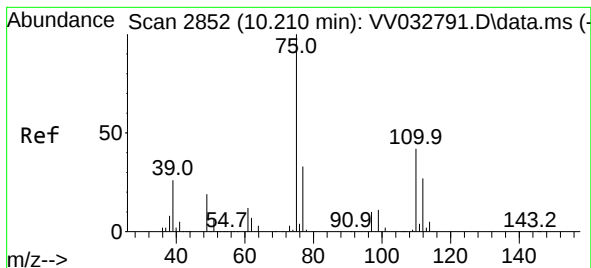
Tgt Ion:173 Resp: 148
Ion Ratio Lower Upper
173 100
175 148.6 38.4 57.6#
254 0.0 7.0 10.6#



#60
Isopropylbenzene
Concen: 15.146 ug/L
RT: 9.876 min Scan# 2748
Delta R.T. 0.006 min
Lab File: VV032816.D
Acq: 31 Oct 2023 22:05

Tgt Ion:105 Resp: 3009
Ion Ratio Lower Upper
105 100
120 25.7 21.1 31.7
77 7.2 12.6 19.0#





#61

1,2,3-Trichloropropane

Concen: 24.708 ug/L

RT: 10.220 min Scan# 21

Delta R.T. 0.010 min

Lab File: VV032816.D

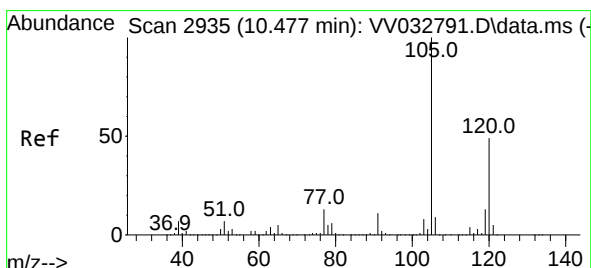
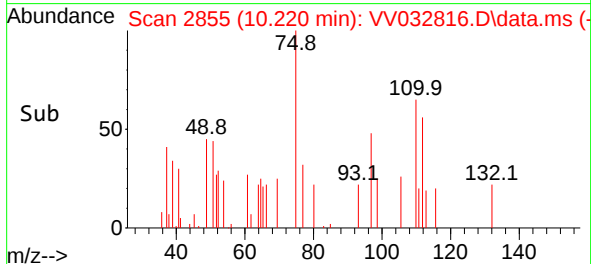
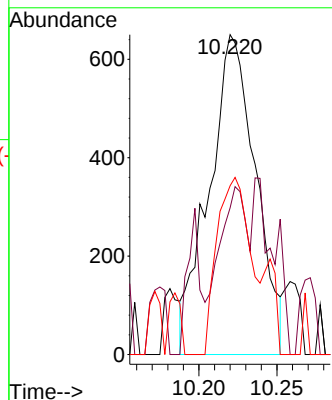
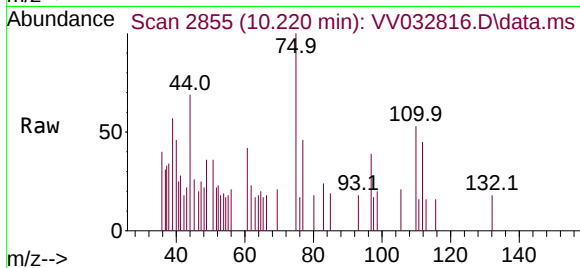
Acq: 31 Oct 2023 22:05

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 75	Resp: 1352
Ion Ratio	Lower Upper
75	100
77	23.2 25.4 38.0#
110	39.6 34.3 51.5



#62

1,3,5-Trimethylbenzene

Concen: 0.748 ug/L

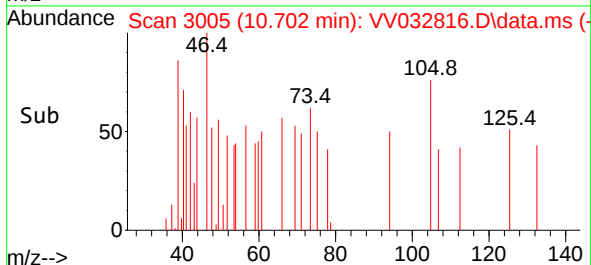
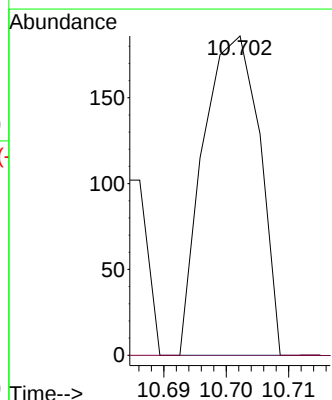
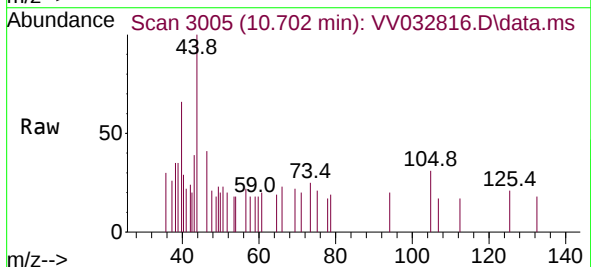
RT: 10.702 min Scan# 3005

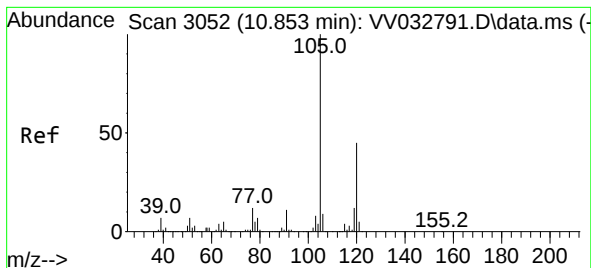
Delta R.T. 0.225 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

Tgt Ion: 105	Resp: 117
Ion Ratio	Lower Upper
105	100
120	44.4 39.9 59.9





#63

1,2,4-Trimethylbenzene

Concen: 20.769 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.006 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

Instrument :

MSVOA_V

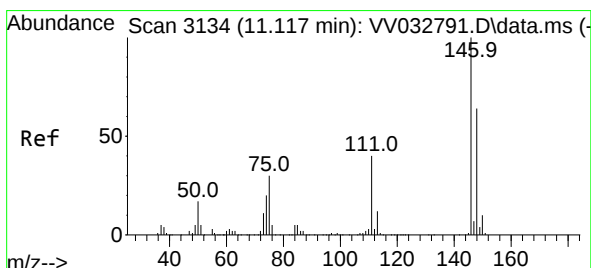
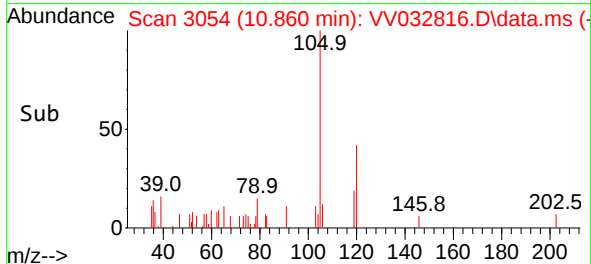
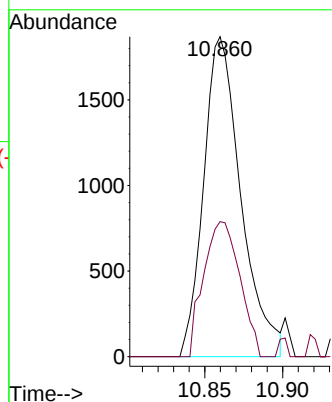
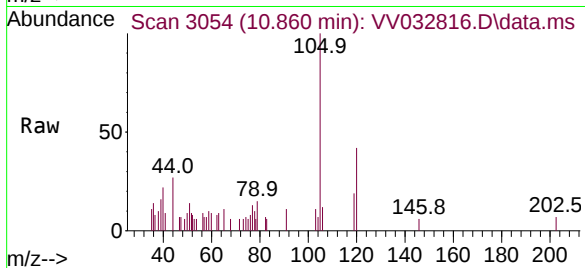
ClientSampleId :

Tgt Ion:105 Resp: 3106

Ion Ratio Lower Upper

105 100

120 40.9 37.0 55.6



#64

1,3-Dichlorobenzene

Concen: 34.802 ug/L

RT: 11.133 min Scan# 3139

Delta R.T. 0.016 min

Lab File: VV032816.D

Acq: 31 Oct 2023 22:05

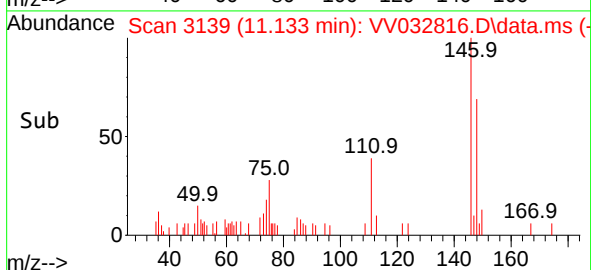
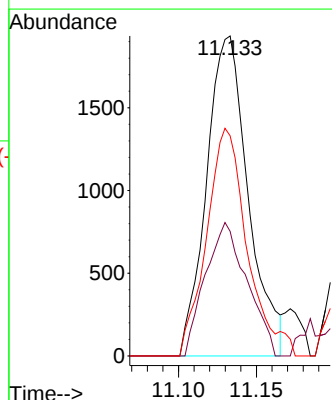
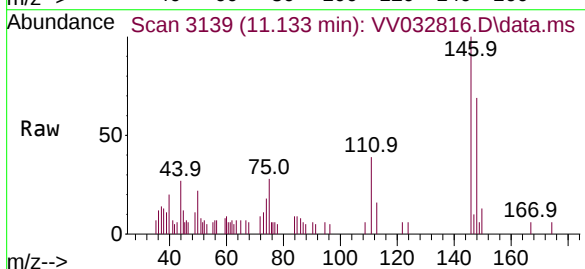
Tgt Ion:146 Resp: 3602

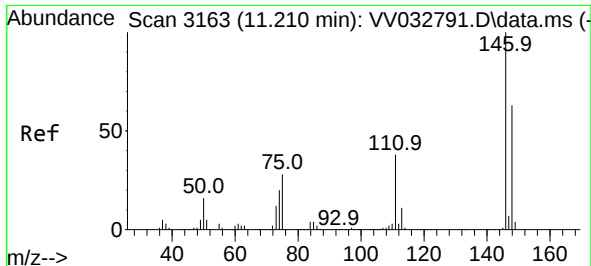
Ion Ratio Lower Upper

146 100

111 38.9 27.2 50.4

148 68.8 44.6 82.8

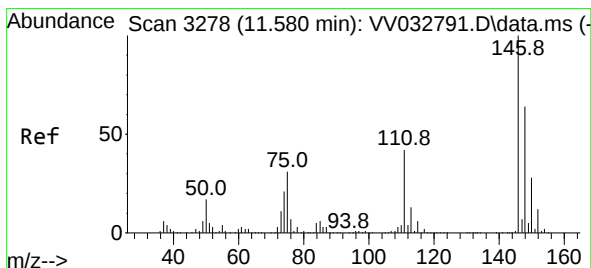
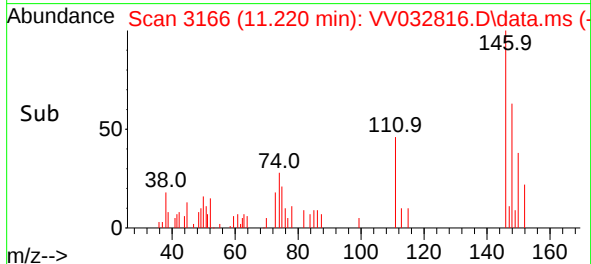
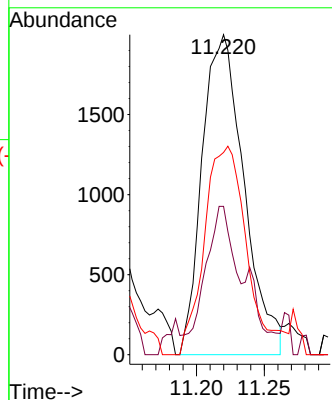
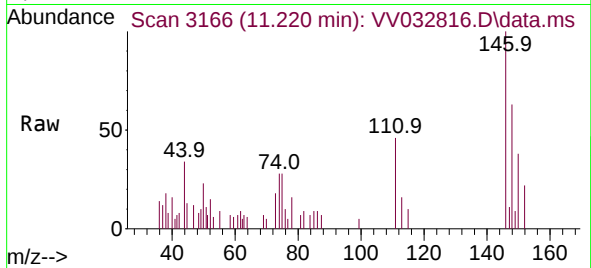




#65
1,4-Dichlorobenzene
Concen: 39.228 ug/L
RT: 11.220 min Scan# 3166
Delta R.T. 0.010 min
Lab File: VV032816.D
Acq: 31 Oct 2023 22:05

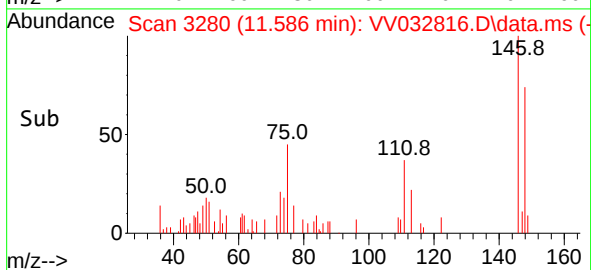
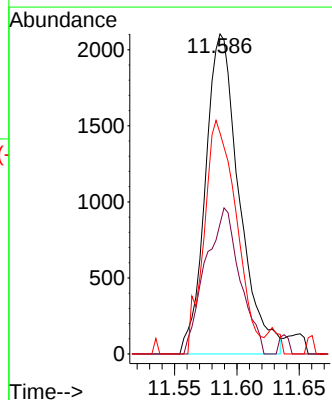
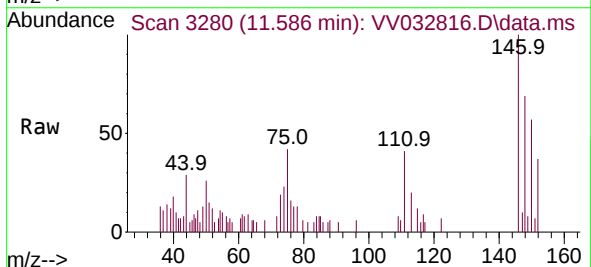
Instrument :
MSVOA_V
ClientSampleId :

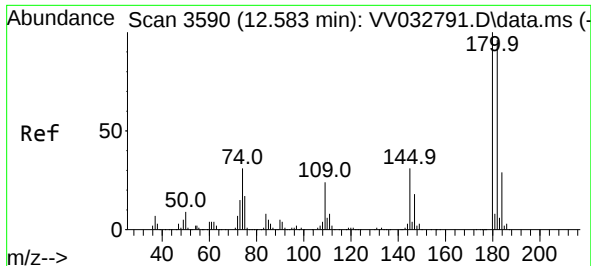
Tgt Ion:146 Resp: 4284
Ion Ratio Lower Upper
146 100
111 46.4 26.5 49.1
148 63.2 44.9 83.5



#67
1,2-Dichlorobenzene
Concen: 37.554 ug/L
RT: 11.586 min Scan# 3280
Delta R.T. 0.006 min
Lab File: VV032816.D
Acq: 31 Oct 2023 22:05

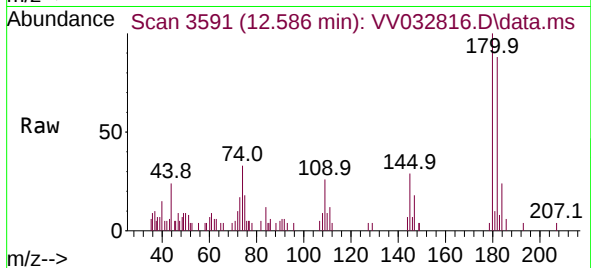
Tgt Ion:146 Resp: 3968
Ion Ratio Lower Upper
146 100
111 40.7 32.5 48.7
148 69.0 50.6 76.0



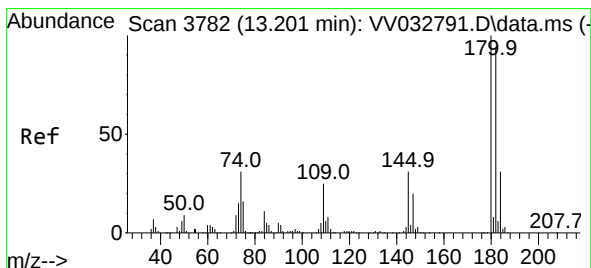
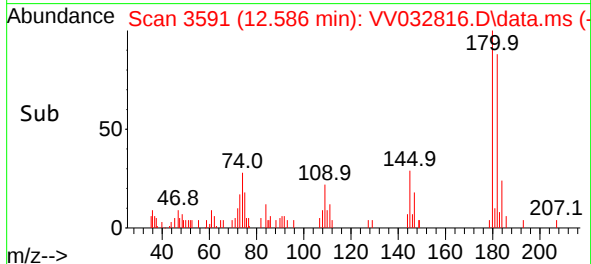
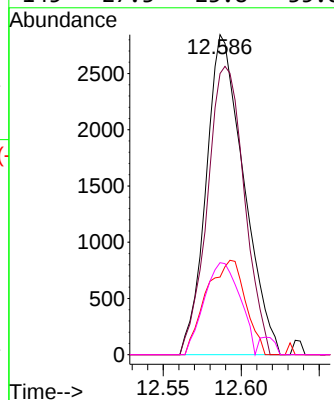


#69
 1,3,5-Trichlorobenzene
 Concen: 64.014 ug/L
 RT: 12.586 min Scan# 3591
 Delta R.T. 0.003 min
 Lab File: VV032816.D
 Acq: 31 Oct 2023 22:05

Instrument :
 MSVOA_V
 ClientSampleId :

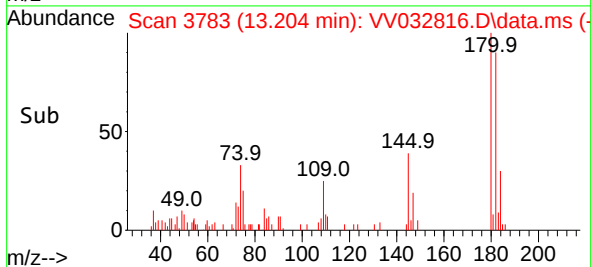
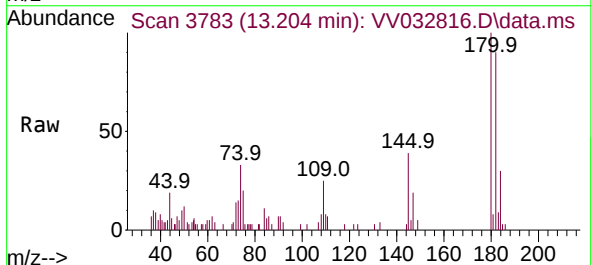
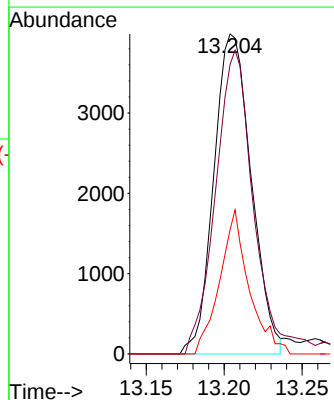


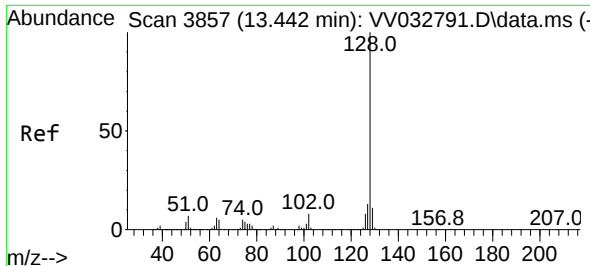
Tgt Ion:180 Resp: 4783
 Ion Ratio Lower Upper
 180 100
 182 88.2 75.9 113.9
 184 30.7 23.5 35.3
 145 27.3 23.8 35.8



#70
 1,2,4-trichlorobenzene
 Concen: 102.990 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. 0.003 min
 Lab File: VV032816.D
 Acq: 31 Oct 2023 22:05

Tgt Ion:180 Resp: 6655
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.9 115.3
 145 35.0 24.7 37.1

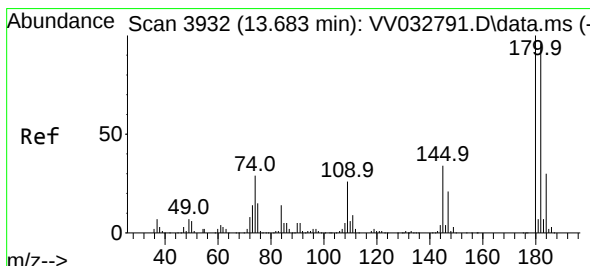
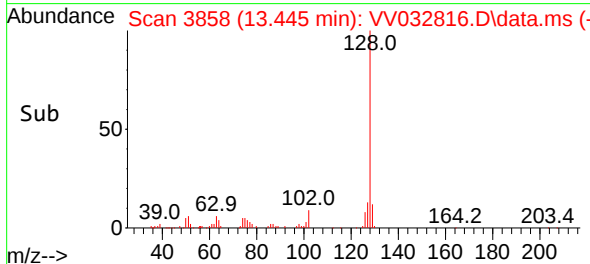
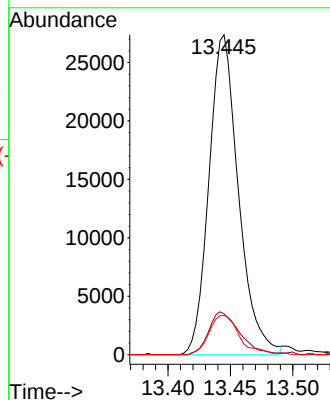
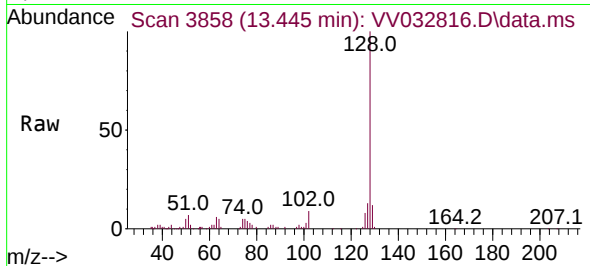




#71
Naphthalene
Concen: 279.766 ug/L
RT: 13.445 min Scan# 3857
Delta R.T. 0.003 min
Lab File: VV032816.D
Acq: 31 Oct 2023 22:05

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128	Resp:	45144
Ion Ratio	Lower	Upper
128	100	
127	13.9	10.6 15.8
129	12.7	8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 143.405 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. -0.000 min
Lab File: VV032816.D
Acq: 31 Oct 2023 22:05

Tgt Ion:180	Resp:	9252
Ion Ratio	Lower	Upper
180	100	
182	89.6	76.2 114.4
145	31.9	25.8 38.8

