

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121121\
 Data File : VW023928.D
 Acq On : 11 Dec 2021 10:30
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 12 00:26:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 11 04:33:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	110249	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	116268	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	72453	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	24745	4.175	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.600%
7) Chloroethane-d5	1.568	69	22980	4.647	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.000%
11) 1,1-Dichloroethene-d2	2.111	63	53756	4.646	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.000%
20) 2-Butanone-d5	3.895	46	70866	61.200	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.400%
24) Chloroform-d	4.349	84	63321	4.717	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	5.034	65	29853	4.776	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.600%
32) Benzene-d6	5.050	84	99510	4.321	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
36) 1,2-Dichloropropane-d6	6.069	67	32124	4.624	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.400%
41) Toluene-d8	7.313	98	88967	4.291	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
43) trans-1,3-Dichloroprop...	7.622	79	12803	4.442	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.800%
46) 2-Hexanone-d5	8.088	63	66372	51.440	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.880%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	27697	4.806	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	41347	4.272	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	49082	5.115	ug/L	100
3) Chloromethane	1.240	50	40841	4.981	ug/L	100
5) Vinyl chloride	1.310	62	45069	5.068	ug/L	97
6) Bromomethane	1.523	94	27747	4.910	ug/L	97
8) Chloroethane	1.584	64	28600	4.943	ug/L	94
9) Trichlorofluoromethane	1.754	101	81423	5.269	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	43492	5.344	ug/L	98
12) 1,1-Dichloroethene	2.121	96	37585	5.081	ug/L	90
13) Acetone	2.188	43	60517	65.325	ug/L	80
14) Carbon disulfide	2.294	76	103252	4.812	ug/L	99
15) Methyl Acetate	2.439	43	12334	5.493	ug/L	99
16) Methylene chloride	2.506	84	42892	4.432	ug/L	98
17) Methyl tert-butyl Ether	2.767	73	86009	5.142	ug/L	99
18) trans-1,2-Dichloroethene	2.760	96	41401	5.056	ug/L	96
19) 1,1-Dichloroethane	3.188	63	75857	5.162	ug/L	96
21) 2-Butanone	3.973	43	74920	56.602	ug/L	90
22) cis-1,2-Dichloroethene	3.908	96	45757	5.279	ug/L	98
23) Bromochloromethane	4.246	128	21232	5.391	ug/L	86
25) Chloroform	4.375	83	83230	5.095	ug/L	97

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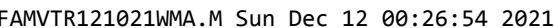
Instrument :
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 ClientSampleId :

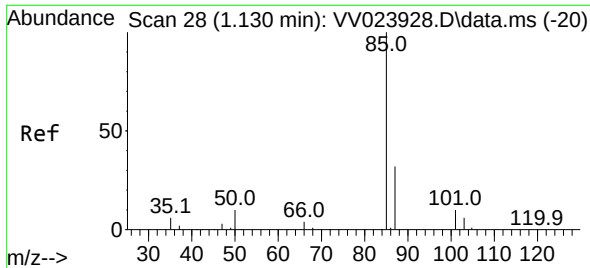
Quant Time: Dec 12 00:26:51 2021
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	46240	5.224	ug/L	99
29) 1,1,1-Trichloroethane	4.606	97	79056	5.197	ug/L	99
30) Cyclohexane	4.677	56	58117	4.817	ug/L	98
31) Carbon tetrachloride	4.828	117	72657	5.081	ug/L	100
33) Benzene	5.098	78	170117	5.172	ug/L	100
34) Trichloroethene	5.911	95	47588	5.129	ug/L	96
35) Methylcyclohexane	6.130	83	69232	5.070	ug/L	96
37) 1,2-Dichloropropane	6.172	63	39051	4.995	ug/L	100
38) Bromodichloromethane	6.510	83	57172	5.163	ug/L	99
39) cis-1,3-Dichloropropene	7.027	75	57585	4.962	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	202430	53.904	ug/L	98
42) Toluene	7.387	91	195336	5.277	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	50681	5.052	ug/L	99
45) 1,1,2-Trichloroethane	7.837	97	29045	5.022	ug/L	97
47) Tetrachloroethene	7.976	164	43631	5.342	ug/L	98
48) 2-Hexanone	8.136	43	146276	53.719	ug/L	96
49) Dibromochloromethane	8.243	129	39263	4.990	ug/L	97
50) 1,2-Dibromoethane	8.352	107	27037	5.035	ug/L	93
51) Chlorobenzene	8.879	112	130309	5.267	ug/L	99
52) Ethylbenzene	9.011	91	204980	5.248	ug/L	99
53) m,p-xylene	9.136	106	82131	5.317	ug/L	98
54) o-xylene	9.542	106	78191	5.235	ug/L	99
55) Styrene	9.561	104	137877	5.545	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.239	83	31905	5.038	ug/L	99
59) Bromoform	9.731	173	22091	4.751	ug/L	99
60) Isopropylbenzene	9.931	105	214589	5.044	ug/L	100
61) 1,2,3-Trichloropropane	10.271	75	22482	4.555	ug/L	96
62) 1,3,5-Trimethylbenzene	10.538	105	179399	5.084	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	183048	5.207	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	116736	5.366	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	126587	5.793	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	118463	5.943	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.429	75	5118	4.748	ug/L	100
69) 1,3,5-Trichlorobenzene	12.644	180	88785	4.962	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	74334	5.289	ug/L	100
71) Naphthalene	13.503	128	89828	4.447	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	60593	4.883	ug/L	99

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

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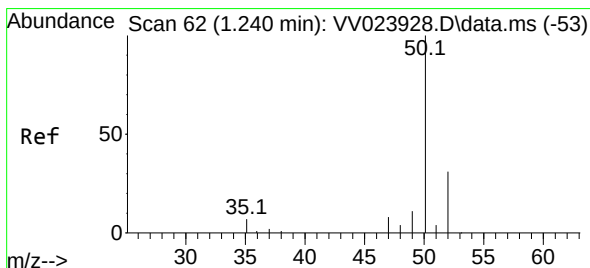
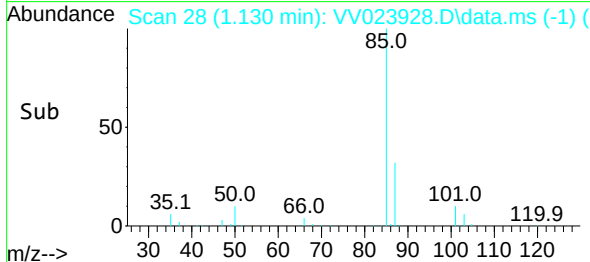
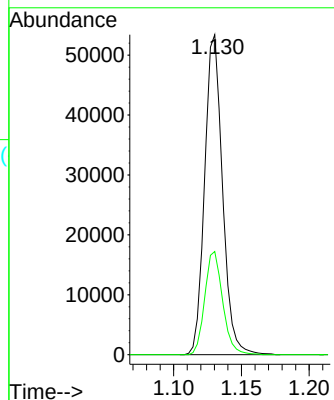
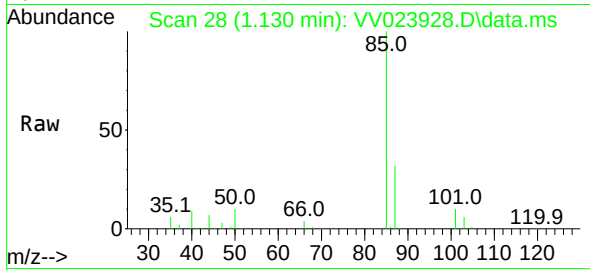




#2
 Dichlorodifluoromethane
 Concen: 5.115 ug/L
 RT: 1.130 min Scan# 28
 Delta R.T. 0.003 min
 Lab File: VV023928.D
 Acq: 11 Dec 2021 10:30

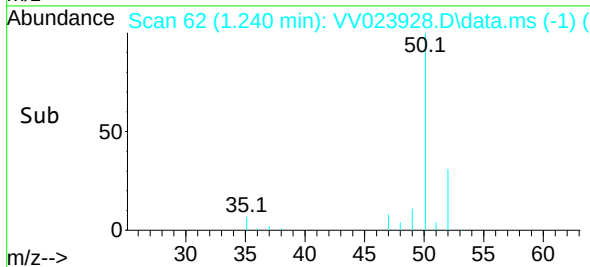
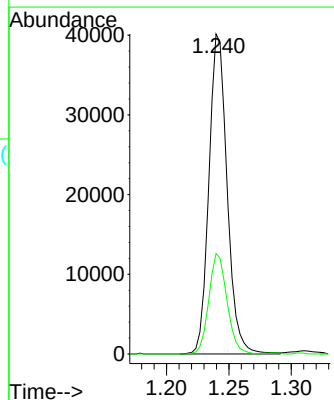
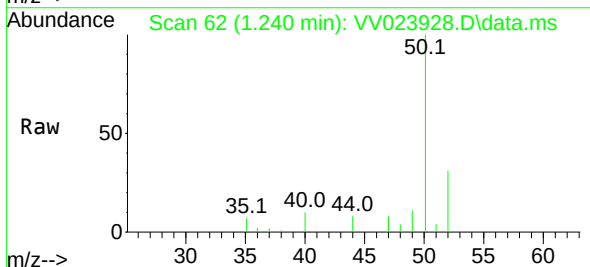
Instrument :
 MSVOA_V
 ClientSampleId :

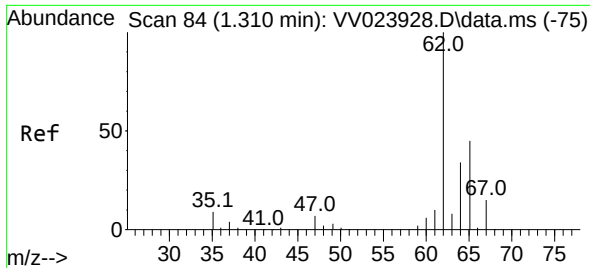
Tgt Ion: 85 Resp: 49082
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.0 39.0



#3
 Chloromethane
 Concen: 4.981 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV023928.D
 Acq: 11 Dec 2021 10:30

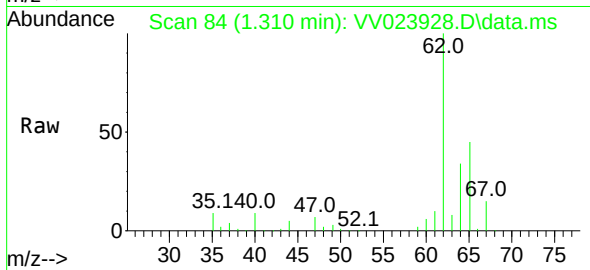
Tgt Ion: 50 Resp: 40841
 Ion Ratio Lower Upper
 50 100
 52 31.3 22.0 41.0



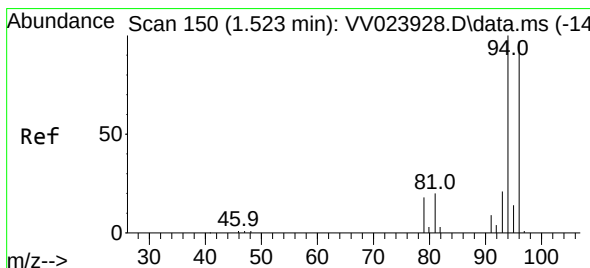
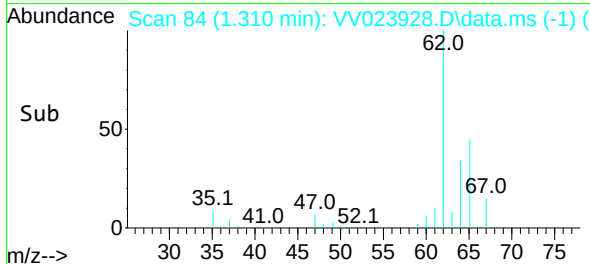
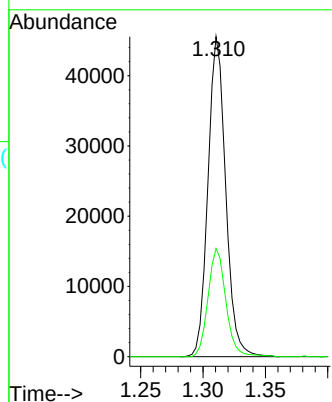


#5
 Vinyl chloride
 Concen: 5.068 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV023928.D
 Acq: 11 Dec 2021 10:30

Instrument :
 MSVOA_V
 ClientSampleId :

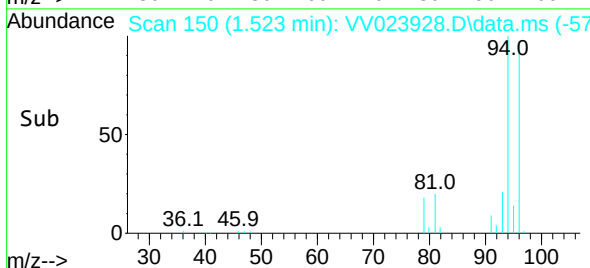
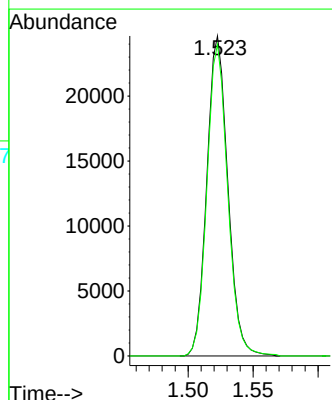
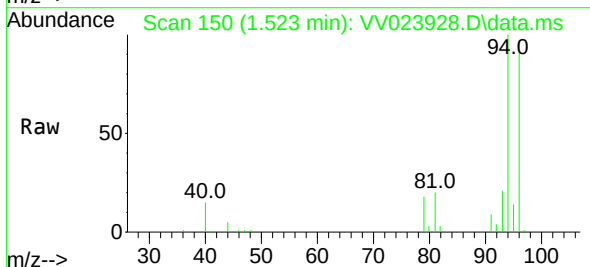


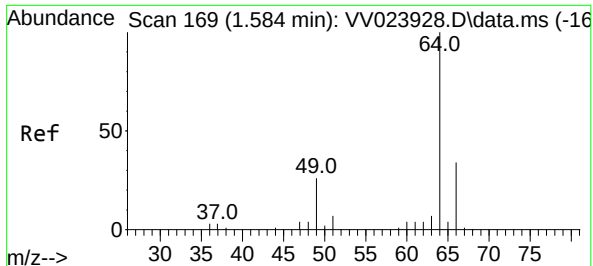
Tgt Ion: 62 Resp: 45069
 Ion Ratio Lower Upper
 62 100
 64 33.8 22.4 41.6



#6
 Bromomethane
 Concen: 4.910 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV023928.D
 Acq: 11 Dec 2021 10:30

Tgt Ion: 94 Resp: 27747
 Ion Ratio Lower Upper
 94 100
 96 97.4 66.2 123.0

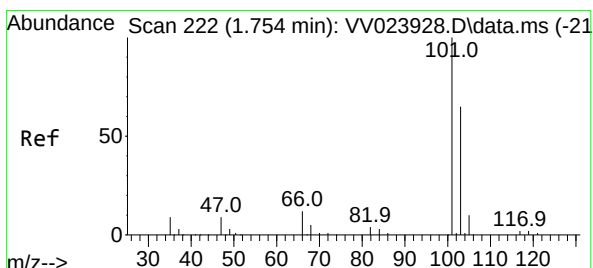
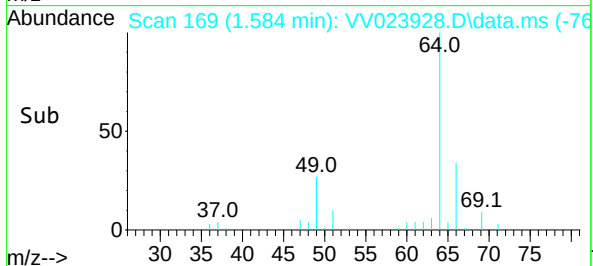
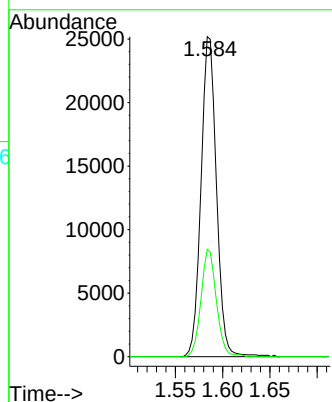
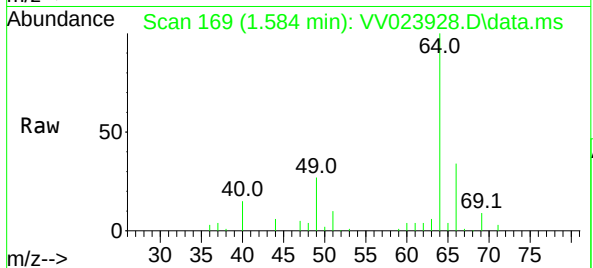




#8
Chloroethane
Concen: 4.943 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.000 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

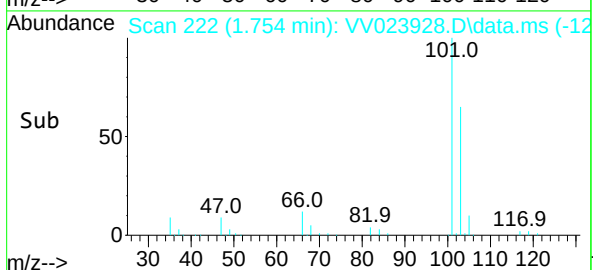
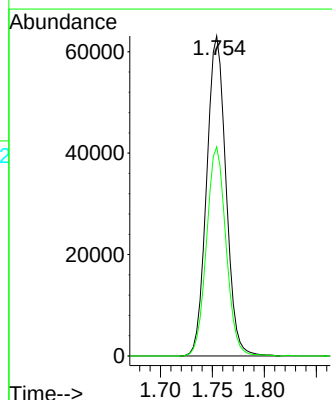
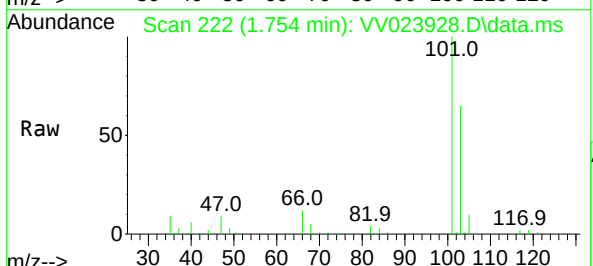
Instrument :
MSVOA_V
ClientSampleId :

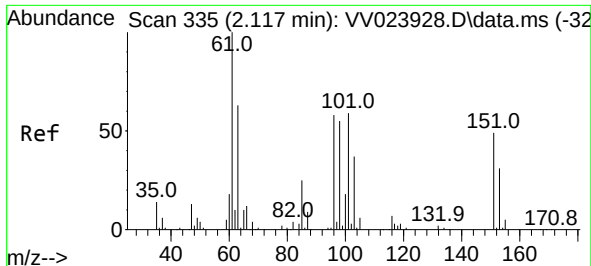
Tgt Ion: 64 Resp: 28600
Ion Ratio Lower Upper
64 100
66 33.6 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.269 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.000 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

Tgt Ion:101 Resp: 81423
Ion Ratio Lower Upper
101 100
103 66.0 51.6 77.4





#10

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

Concen: 5.344 ug/L

RT: 2.117 min Scan# 335

Delta R.T. 0.000 min

Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

Instrument :

MSVOA_V

ClientSampleId :

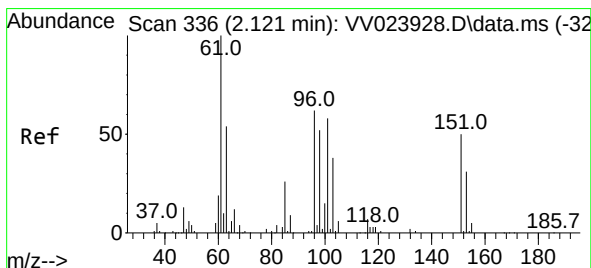
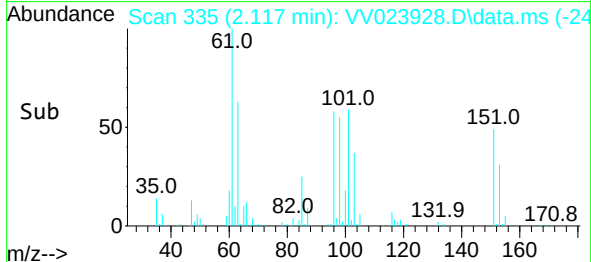
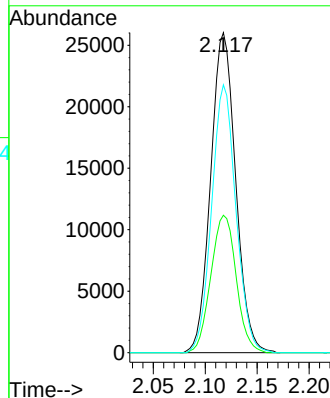
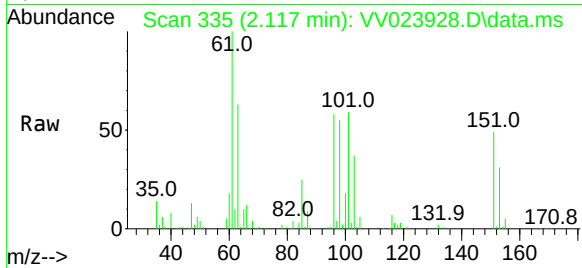
Tgt Ion:101 Resp: 43492

Ion Ratio Lower Upper

101 100

85 43.6 36.0 54.0

151 81.5 66.4 99.6



#12

1,1-Dichloroethene

Concen: 5.081 ug/L

RT: 2.121 min Scan# 336

Delta R.T. 0.003 min

Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

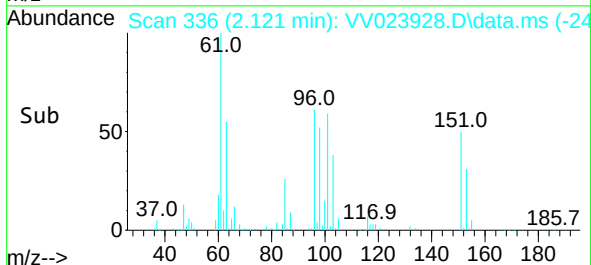
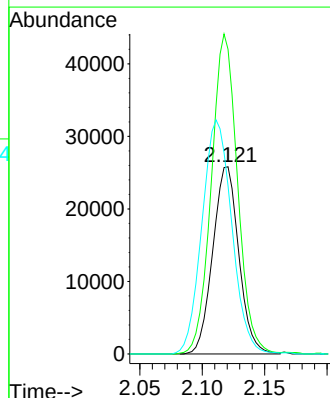
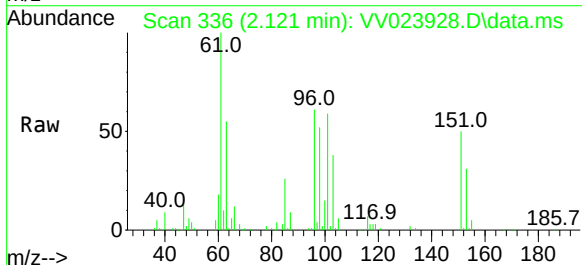
Tgt Ion: 96 Resp: 37585

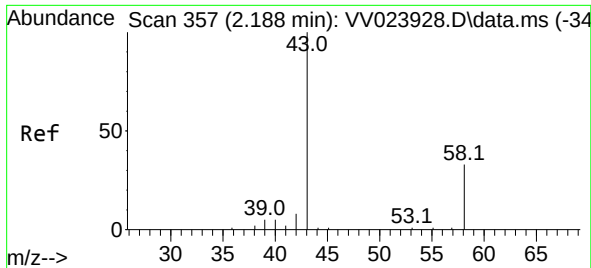
Ion Ratio Lower Upper

96 100

61 162.6 116.1 215.5

63 89.8 79.4 147.4





#13

Acetone

Concen: 65.325 ug/L

RT: 2.188 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

Instrument :

MSVOA_V

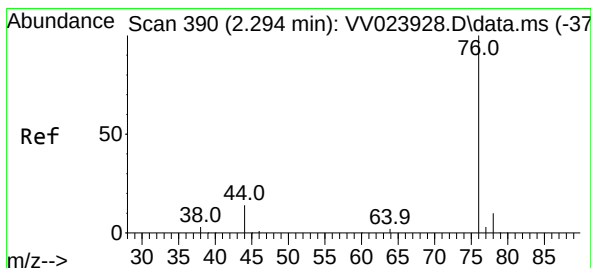
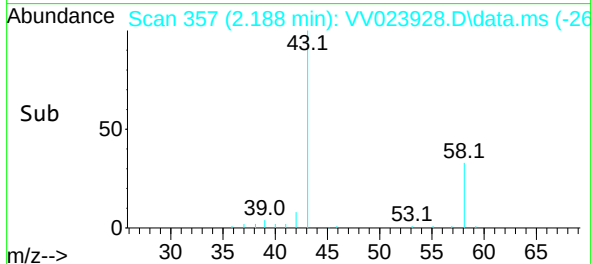
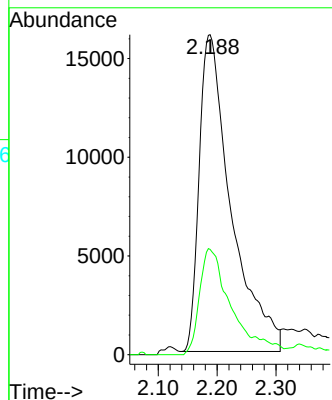
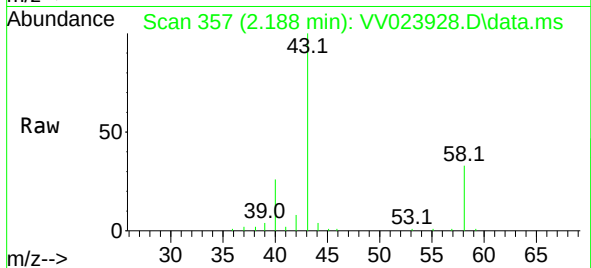
ClientSampleId :

Tgt Ion: 43 Resp: 60517

Ion Ratio Lower Upper

43 100

58 30.2 0.0 41.4



#14

Carbon disulfide

Concen: 4.812 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.000 min

Lab File: VV023928.D

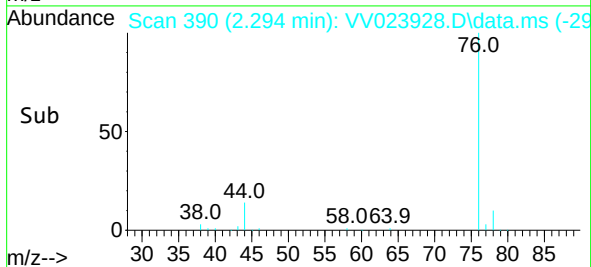
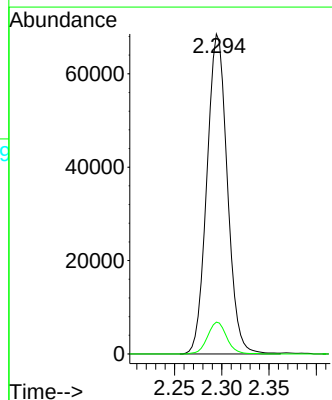
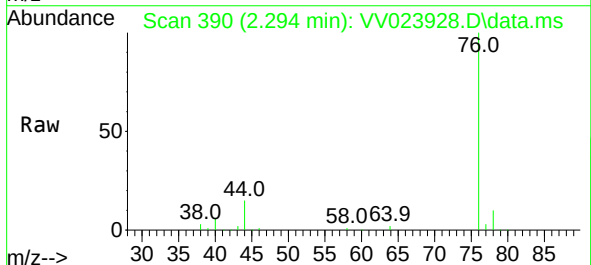
Acq: 11 Dec 2021 10:30

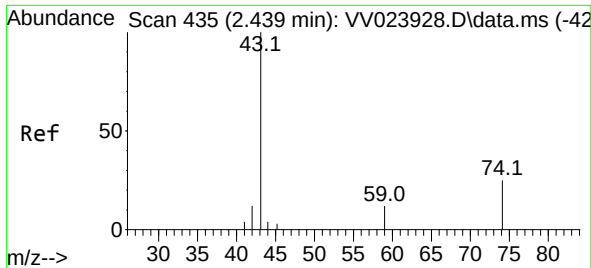
Tgt Ion: 76 Resp: 103252

Ion Ratio Lower Upper

76 100

78 9.9 7.5 11.3





#15

Methyl Acetate

Concen: 5.493 ug/L

RT: 2.439 min Scan# 41

Delta R.T. 0.003 min

Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

Instrument :

MSVOA_V

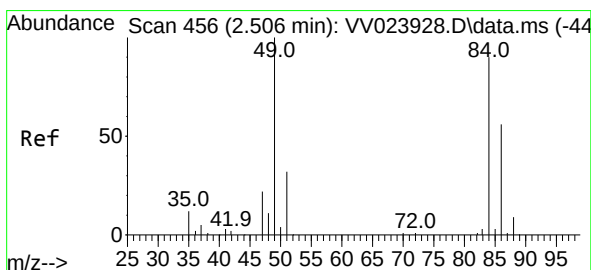
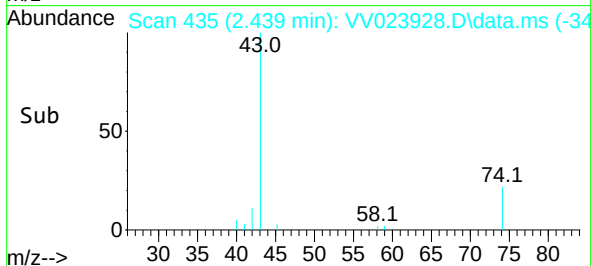
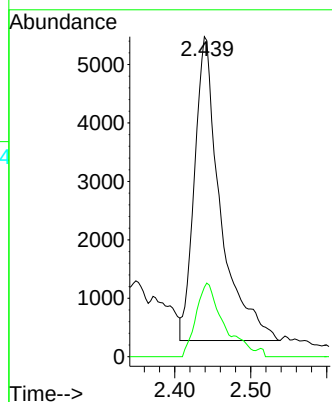
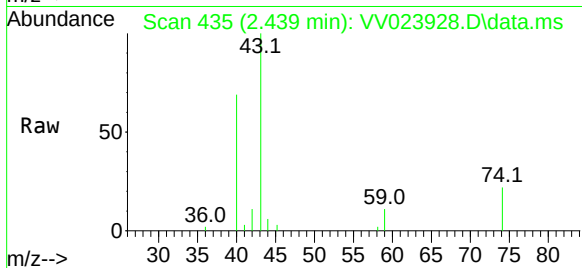
ClientSampleId :

Tgt Ion: 43 Resp: 12334

Ion Ratio Lower Upper

43 100

74 25.9 20.2 30.2



#16

Methylene chloride

Concen: 4.432 ug/L

RT: 2.506 min Scan# 456

Delta R.T. 0.000 min

Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

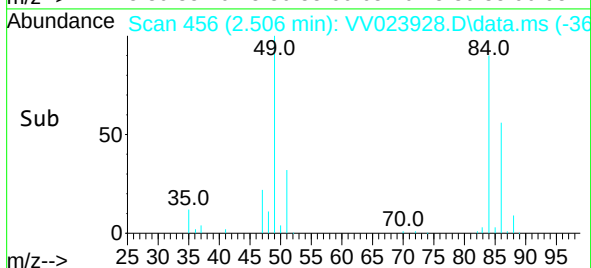
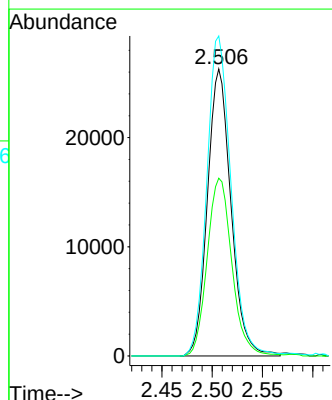
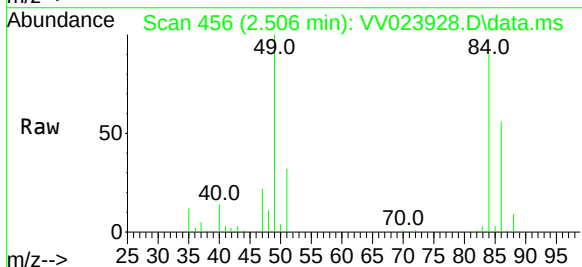
Tgt Ion: 84 Resp: 42892

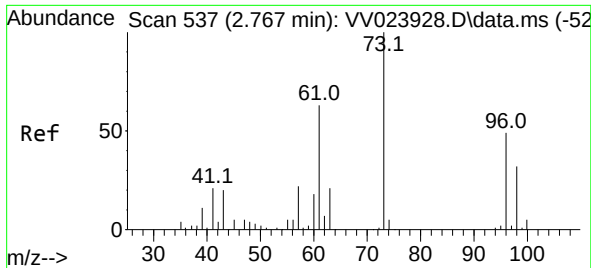
Ion Ratio Lower Upper

84 100

86 61.9 42.6 79.0

49 111.5 79.7 147.9

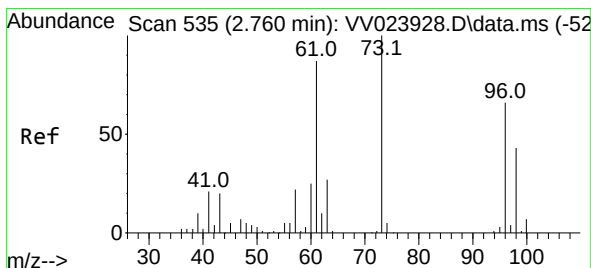
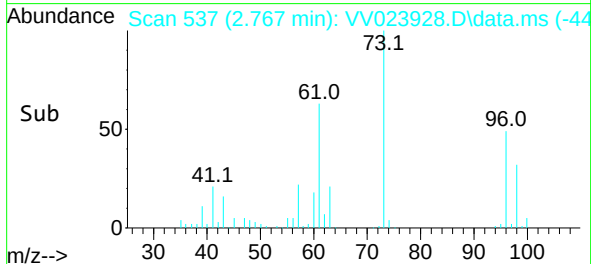
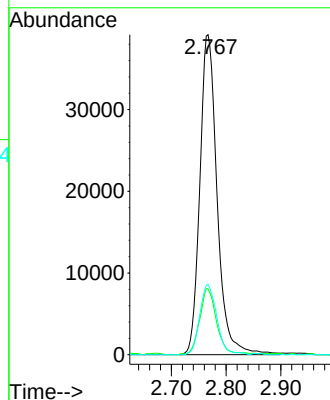
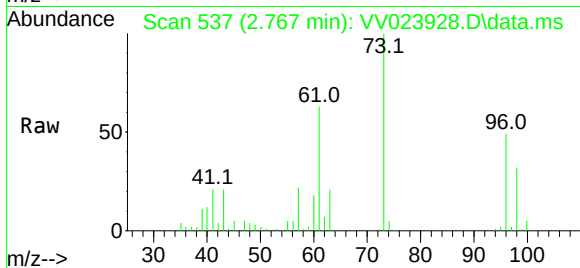




#17
Methyl tert-butyl Ether
Concen: 5.142 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

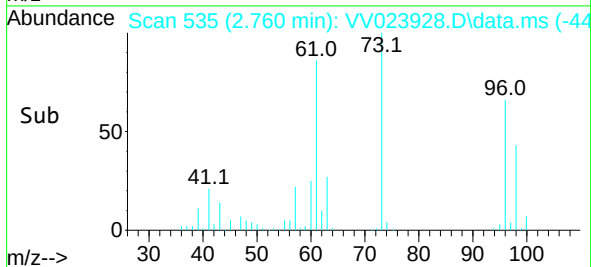
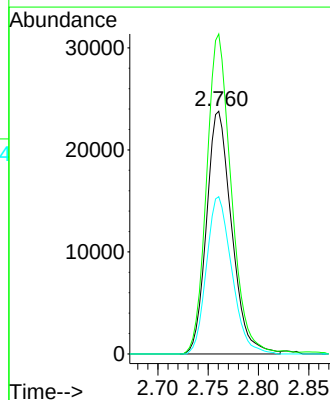
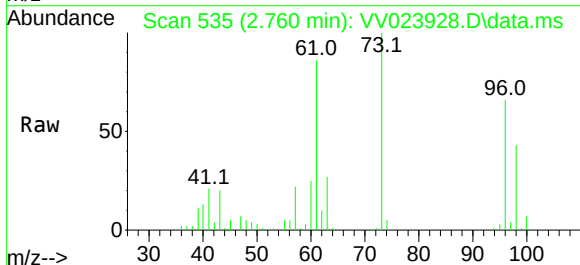
Instrument :
MSVOA_V
ClientSampleId :

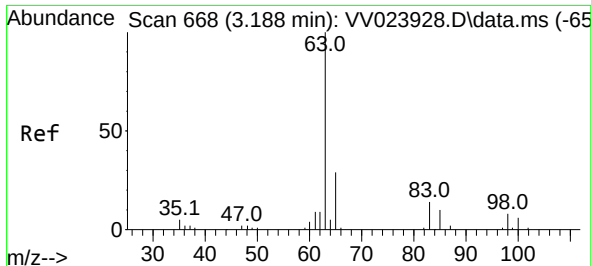
Tgt Ion: 73 Resp: 86009
Ion Ratio Lower Upper
73 100
43 20.3 15.5 23.3
57 21.6 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 5.056 ug/L
RT: 2.760 min Scan# 535
Delta R.T. 0.000 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

Tgt Ion: 96 Resp: 41401
Ion Ratio Lower Upper
96 100
61 131.8 88.2 163.8
98 64.8 44.9 83.5





#19

1,1-Dichloroethane

Concen: 5.162 ug/L

RT: 3.188 min Scan# 668

Delta R.T. 0.000 min

Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

Instrument :

MSVOA_V

ClientSampleId :

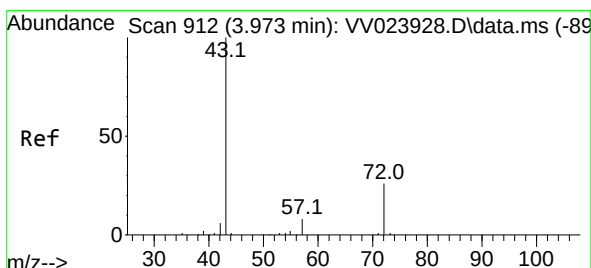
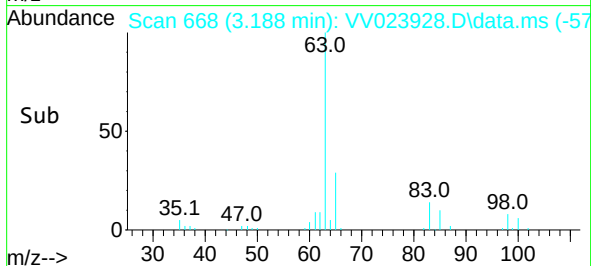
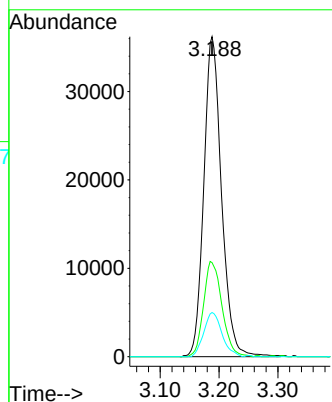
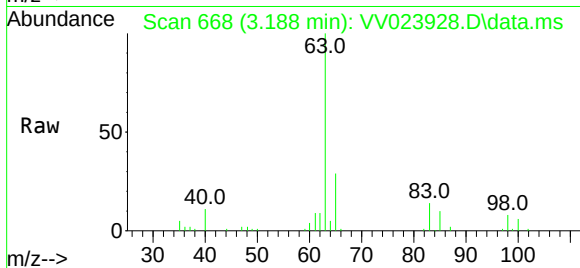
Tgt Ion: 63 Resp: 75857

Ion Ratio Lower Upper

63 100

65 29.4 22.3 41.3

83 13.8 10.7 19.9



#21

2-Butanone

Concen: 56.602 ug/L

RT: 3.973 min Scan# 912

Delta R.T. -0.016 min

Lab File: VV023928.D

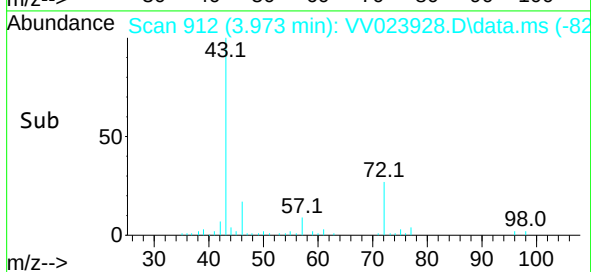
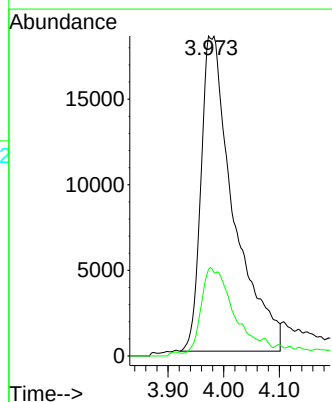
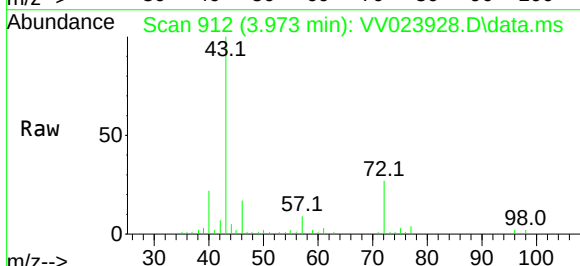
Acq: 11 Dec 2021 10:30

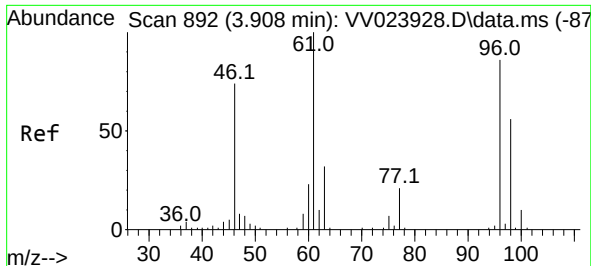
Tgt Ion: 43 Resp: 74920

Ion Ratio Lower Upper

43 100

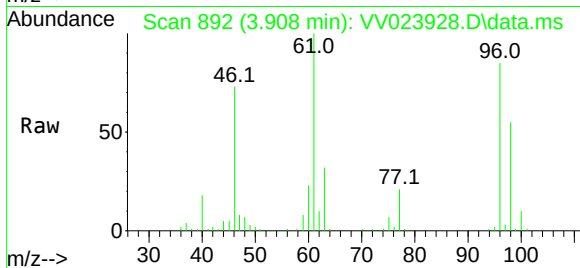
72 26.7 11.1 33.1





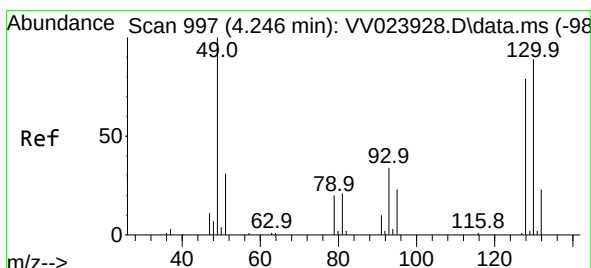
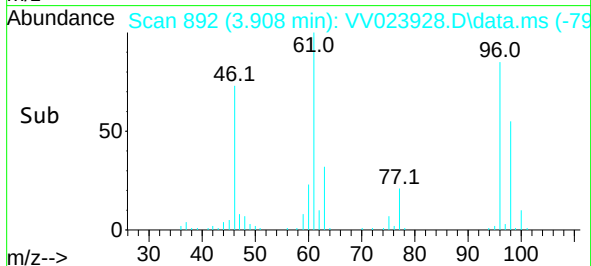
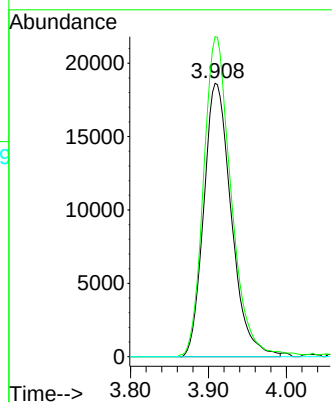
#22
 cis-1,2-Dichloroethene
 Concen: 5.279 ug/L
 RT: 3.908 min Scan# 892
 Delta R.T. 0.000 min
 Lab File: VV023928.D
 Acq: 11 Dec 2021 10:30

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 45757

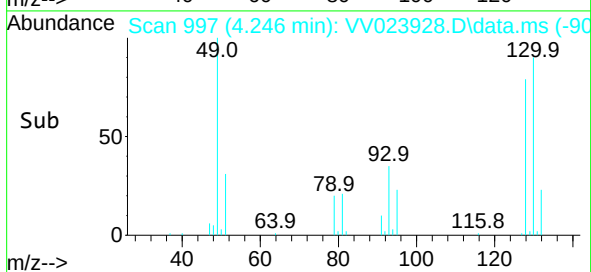
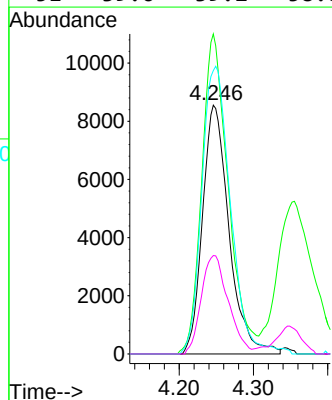
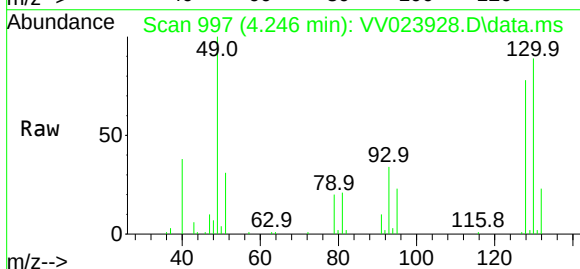
Ion	Ratio	Lower	Upper
96	100		
61	117.0	83.4	154.8
68	0.0	0.0	0.0

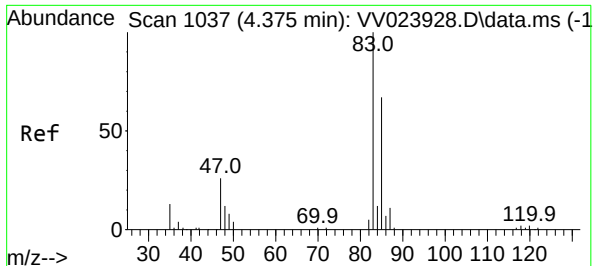


#23
 Bromochloromethane
 Concen: 5.391 ug/L
 RT: 4.246 min Scan# 997
 Delta R.T. 0.003 min
 Lab File: VV023928.D
 Acq: 11 Dec 2021 10:30

Tgt Ion: 128 Resp: 21232

Ion	Ratio	Lower	Upper
128	100		
49	128.6	100.2	186.2
130	113.9	92.5	171.7
51	39.6	39.2	58.8





#25

Chloroform

Concen: 5.095 ug/L

RT: 4.375 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

Instrument :

MSVOA_V

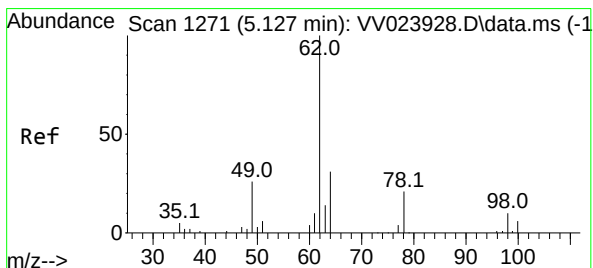
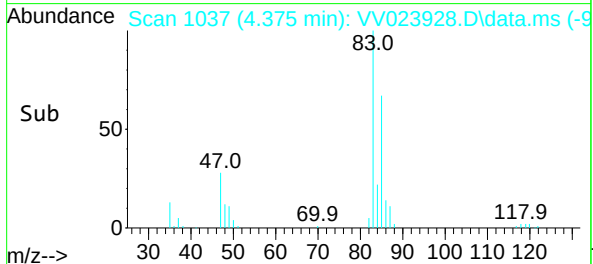
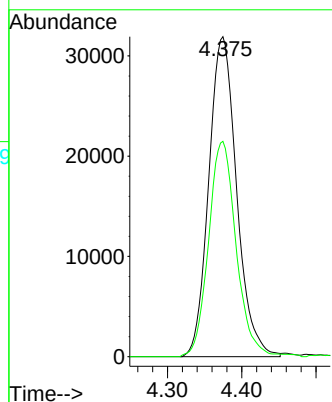
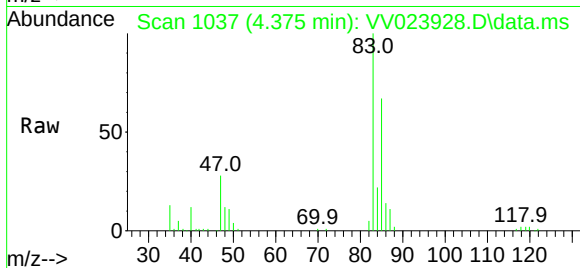
ClientSampleId :

Tgt Ion: 83 Resp: 83230

Ion Ratio Lower Upper

83 100

85 67.3 45.2 84.0



#27

1,2-Dichloroethane

Concen: 5.224 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VV023928.D

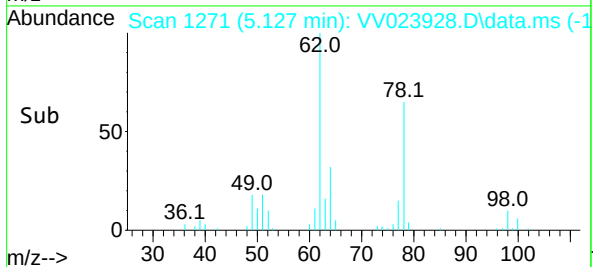
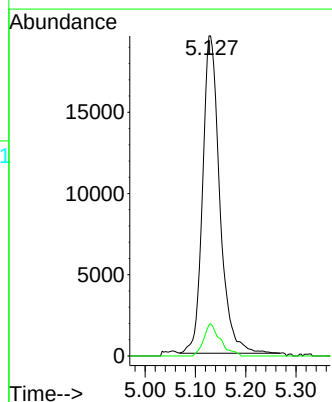
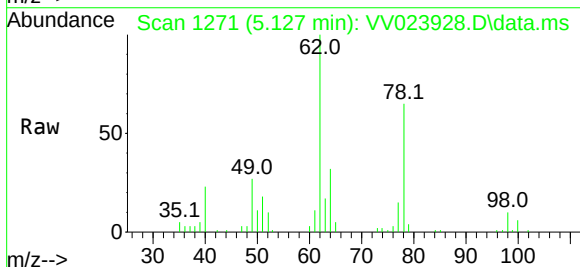
Acq: 11 Dec 2021 10:30

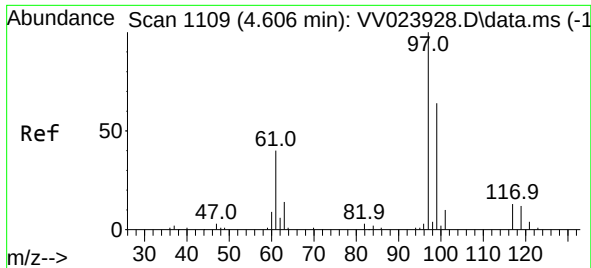
Tgt Ion: 62 Resp: 46240

Ion Ratio Lower Upper

62 100

98 9.7 8.1 12.1

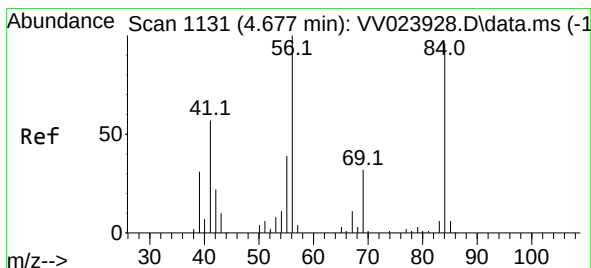
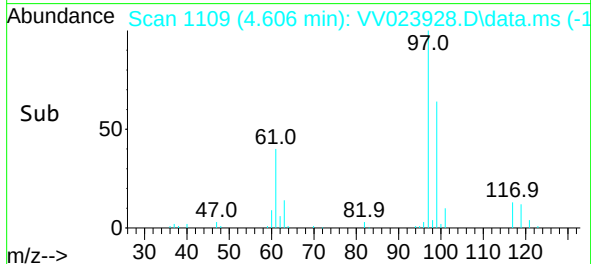
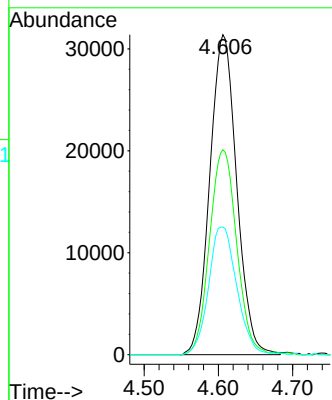
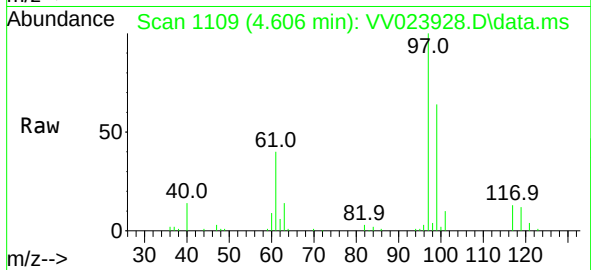




#29
1,1,1-Trichloroethane
Concen: 5.197 ug/L
RT: 4.606 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

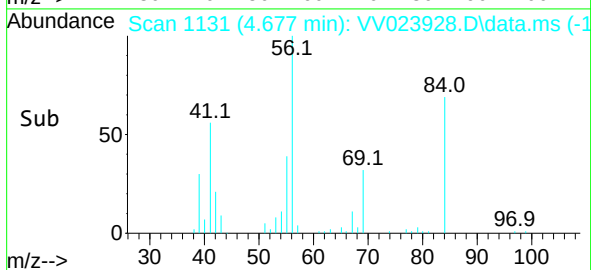
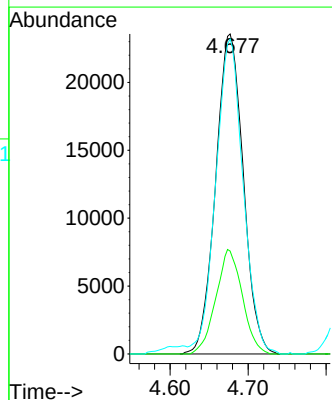
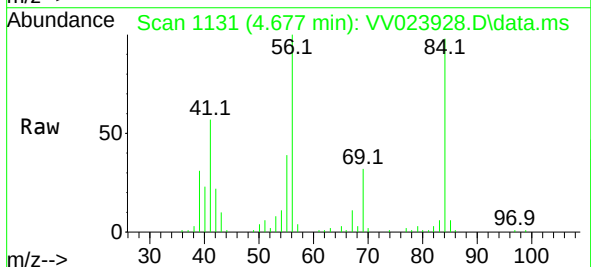
Instrument :
MSVOA_V
ClientSampleId :

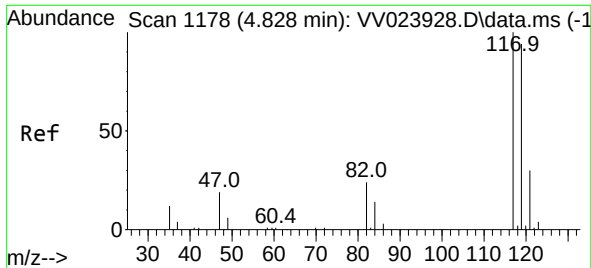
Tgt Ion: 97	Resp: 79056
Ion Ratio	Lower Upper
97 100	
99 64.4	51.9 77.9
61 41.7	33.2 49.8



#30
Cyclohexane
Concen: 4.817 ug/L
RT: 4.677 min Scan# 1131
Delta R.T. 0.003 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

Tgt Ion: 56	Resp: 58117
Ion Ratio	Lower Upper
56 100	
69 31.2	24.8 37.2
84 97.6	75.9 113.9

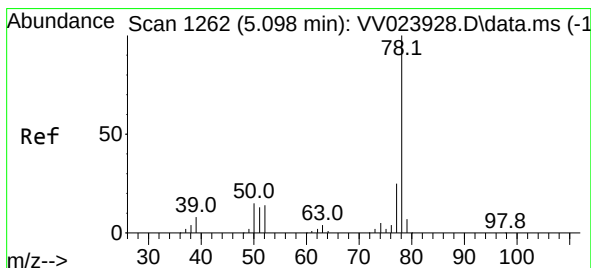
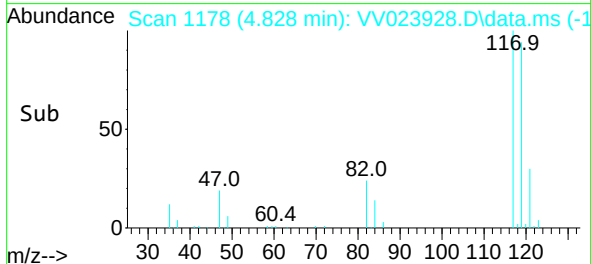
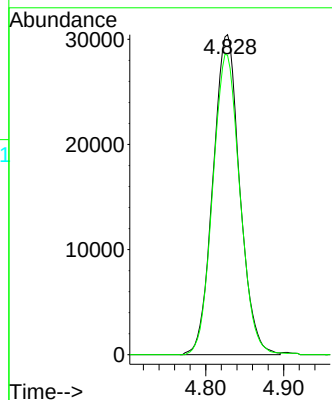
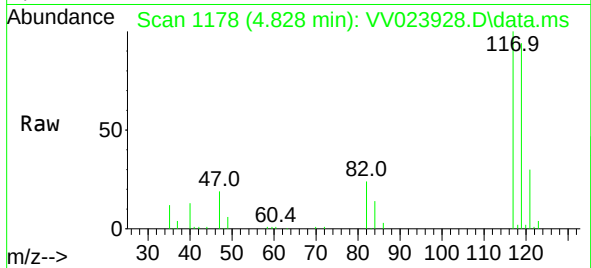




#31
Carbon tetrachloride
Concen: 5.081 ug/L
RT: 4.828 min Scan# 1178
Delta R.T. 0.003 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

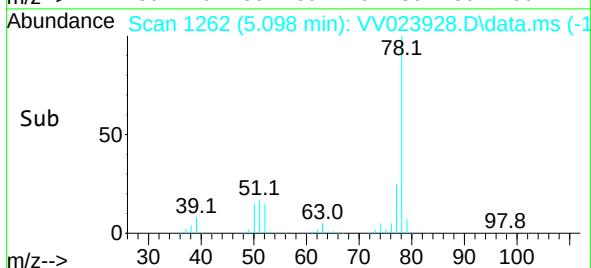
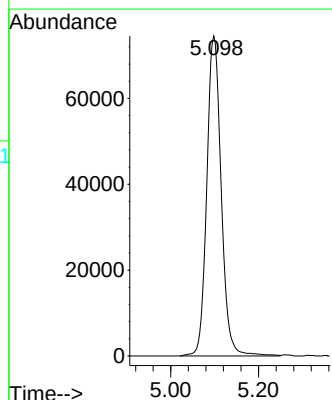
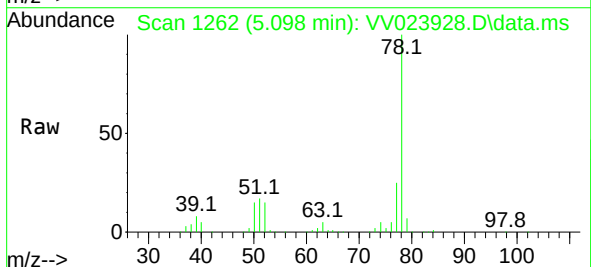
Instrument :
MSVOA_V
ClientSampleId :

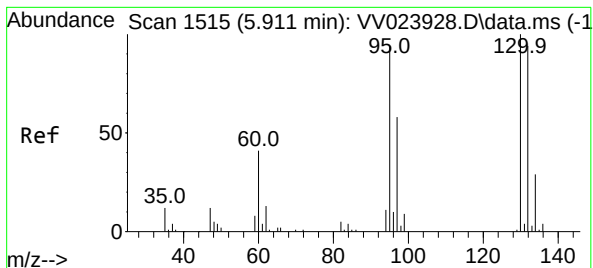
Tgt Ion:117 Resp: 72657
Ion Ratio Lower Upper
117 100
119 95.3 76.6 114.8



#33
Benzene
Concen: 5.172 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

Tgt Ion: 78 Resp: 170117





#34

Trichloroethene

Concen: 5.129 ug/L

RT: 5.911 min Scan# 1515

Delta R.T. 0.000 min

Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 47588

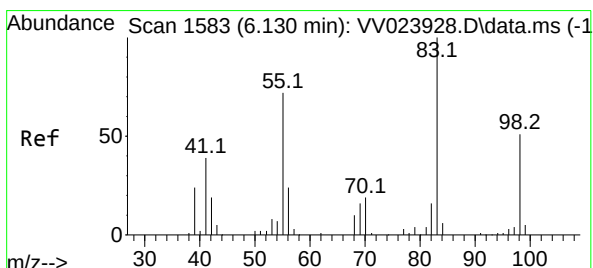
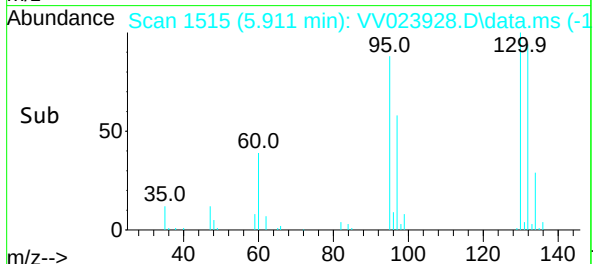
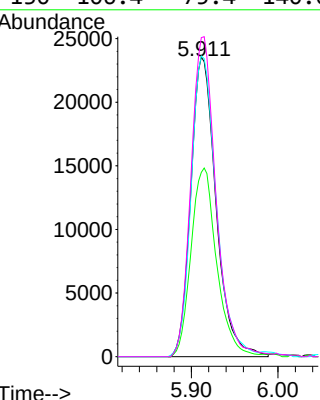
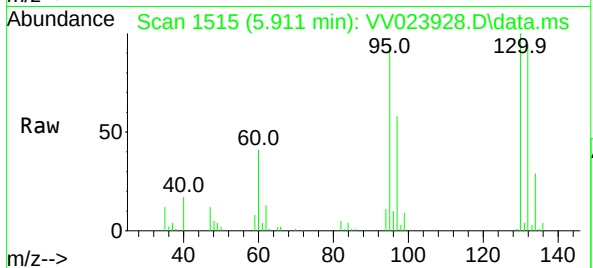
Ion Ratio Lower Upper

95 100

97 61.5 45.2 84.0

132 100.3 76.1 141.3

130 106.4 75.4 140.0



#35

Methylcyclohexane

Concen: 5.070 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. 0.000 min

Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

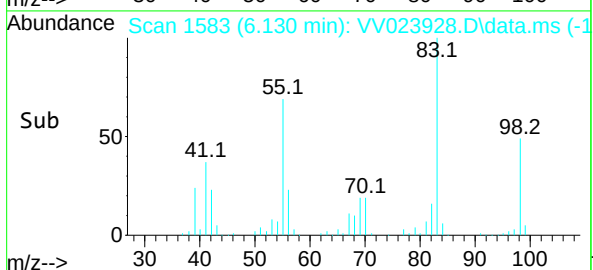
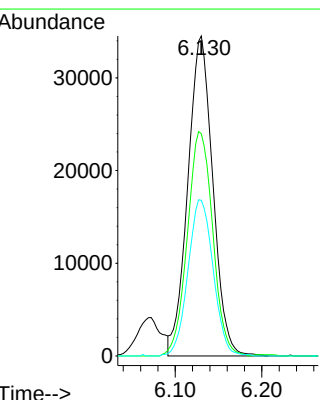
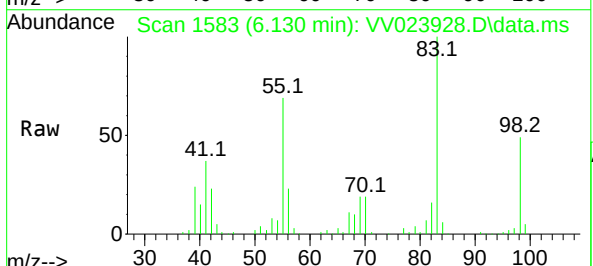
Tgt Ion: 83 Resp: 69232

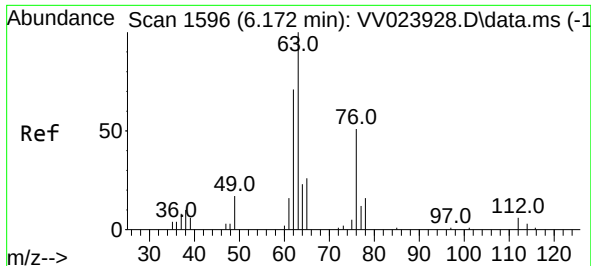
Ion Ratio Lower Upper

83 100

55 71.1 60.2 90.2

98 49.2 41.0 61.4





#37

1,2-Dichloropropane

Concen: 4.995 ug/L

RT: 6.172 min Scan# 1596

Delta R.T. 0.003 min

Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

Instrument :

MSVOA_V

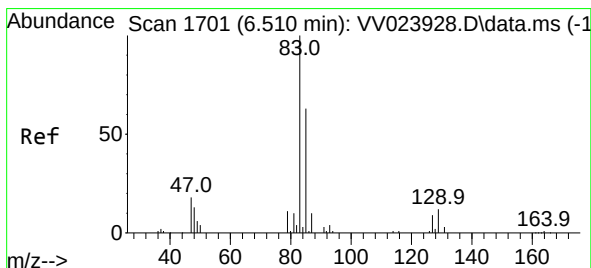
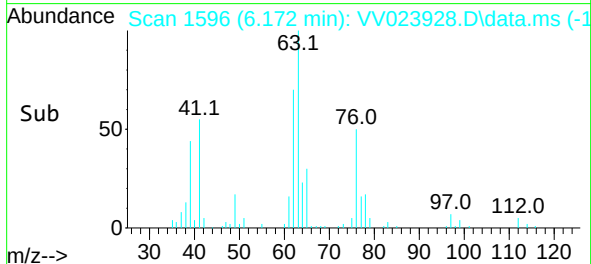
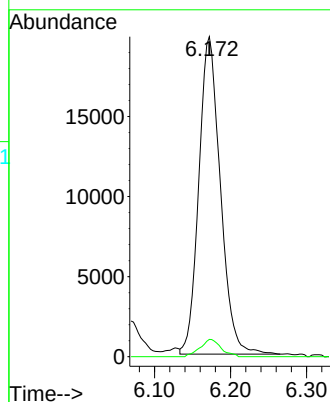
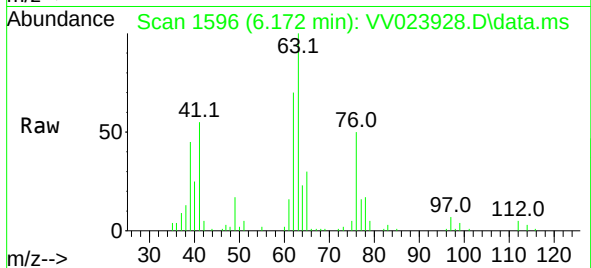
ClientSampleId :

Tgt Ion: 63 Resp: 39051

Ion Ratio Lower Upper

63 100

112 5.3 4.3 6.5



#38

Bromodichloromethane

Concen: 5.163 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

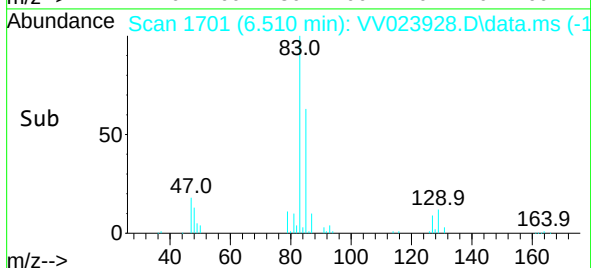
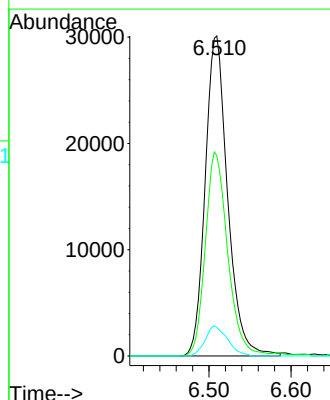
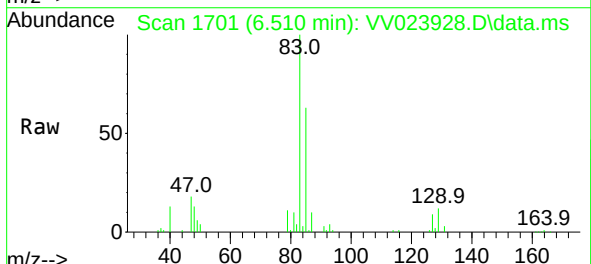
Tgt Ion: 83 Resp: 57172

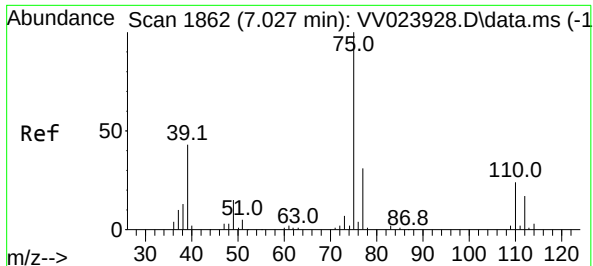
Ion Ratio Lower Upper

83 100

85 62.5 44.0 81.8

127 9.0 8.6 12.8





#39

cis-1,3-Dichloropropene

Concen: 4.962 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.000 min

Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

Instrument :

MSVOA_V

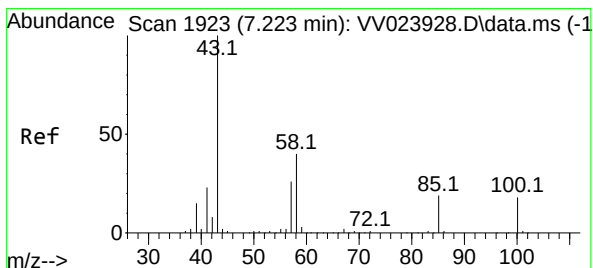
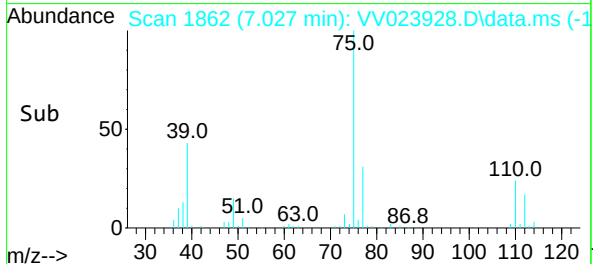
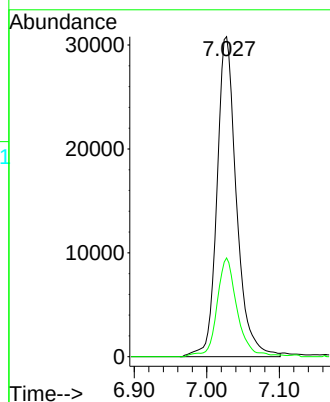
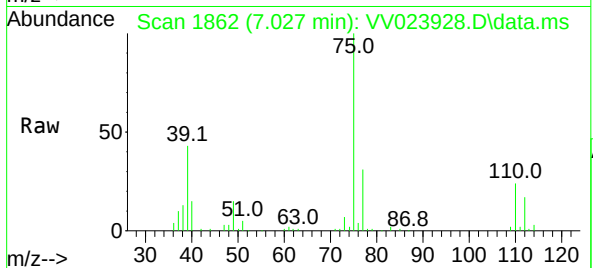
ClientSampleId :

Tgt Ion: 75 Resp: 57585

Ion Ratio Lower Upper

75 100

77 30.9 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 53.904 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.003 min

Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

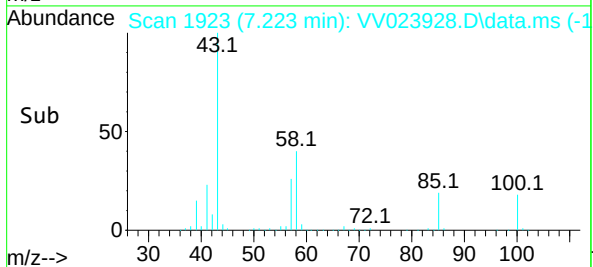
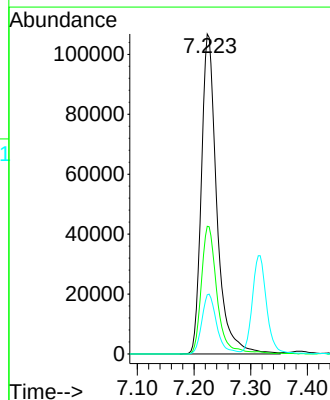
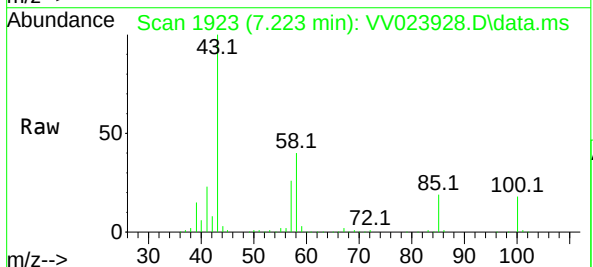
Tgt Ion: 43 Resp: 202430

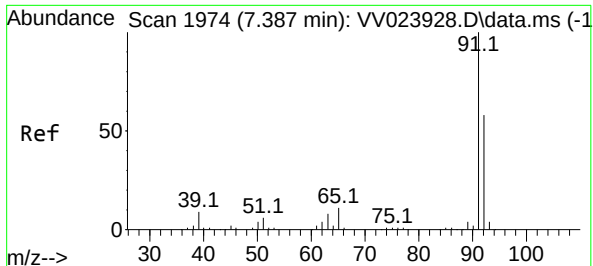
Ion Ratio Lower Upper

43 100

58 40.0 32.3 48.5

100 18.1 13.0 19.6





#42

Toluene

Concen: 5.277 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.003 min

Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

Instrument :

MSVOA_V

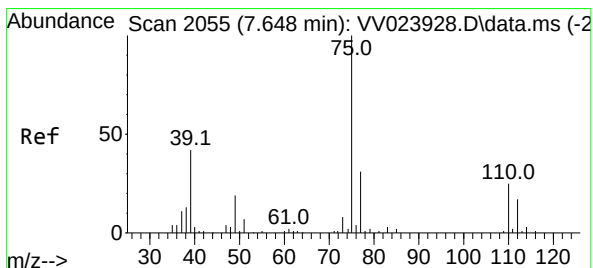
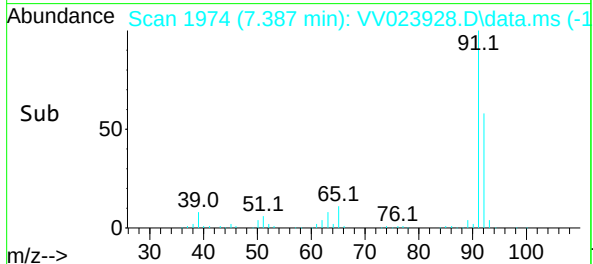
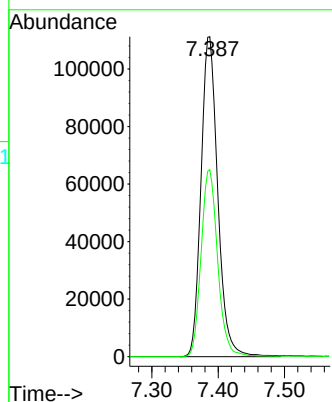
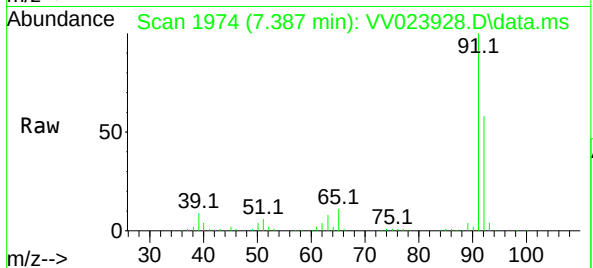
ClientSampleId :

Tgt Ion: 91 Resp: 195336

Ion Ratio Lower Upper

91 100

92 58.5 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 5.052 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. -0.003 min

Lab File: VV023928.D

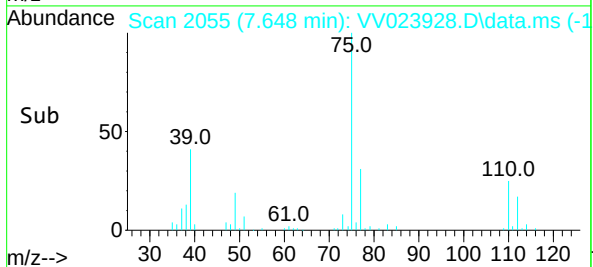
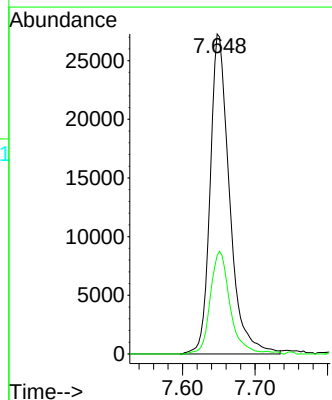
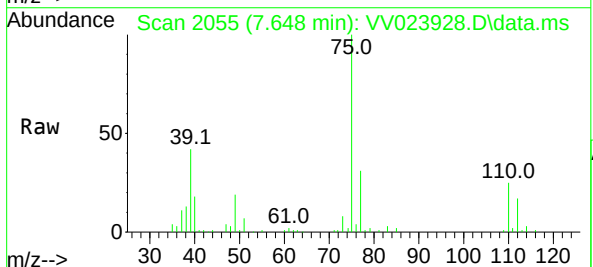
Acq: 11 Dec 2021 10:30

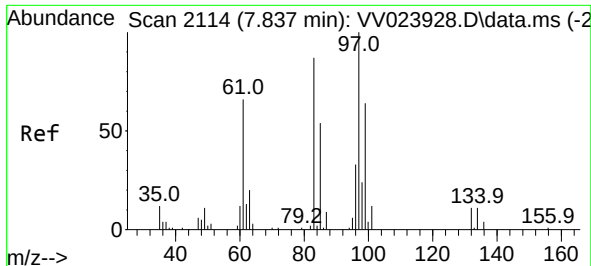
Tgt Ion: 75 Resp: 50681

Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 5.022 ug/L

RT: 7.837 min Scan# 2114

Delta R.T. 0.000 min

Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 29045

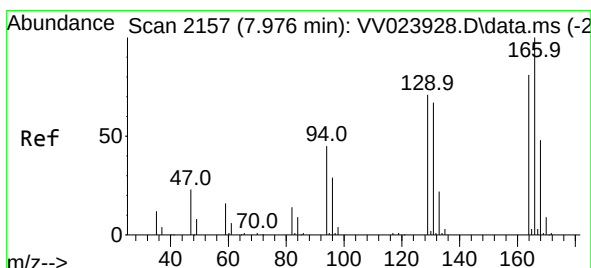
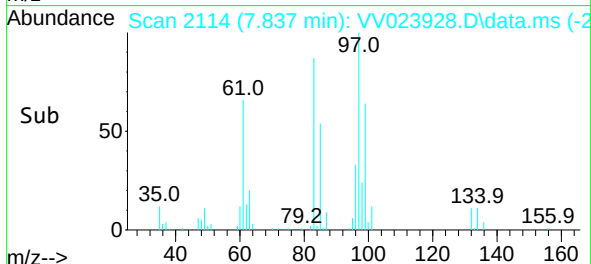
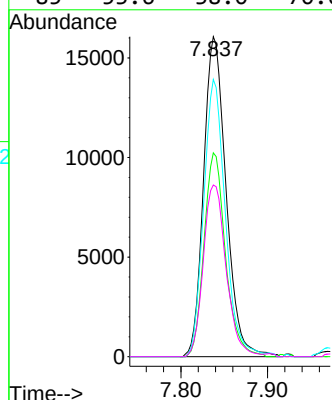
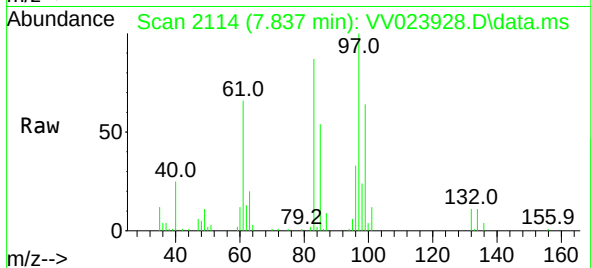
Ion Ratio Lower Upper

97 100

99 63.7 43.1 80.1

83 86.7 57.9 107.5

85 53.6 38.0 70.6



#47

Tetrachloroethene

Concen: 5.342 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.000 min

Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

Tgt Ion:164 Resp: 43631

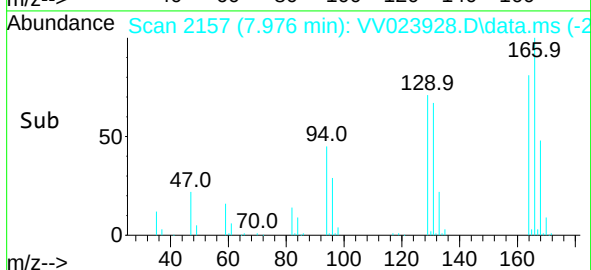
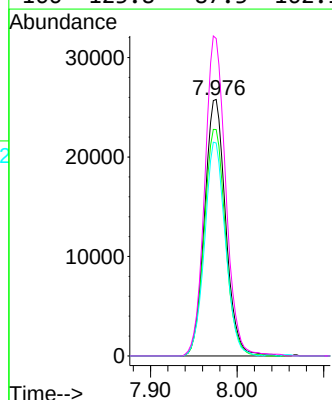
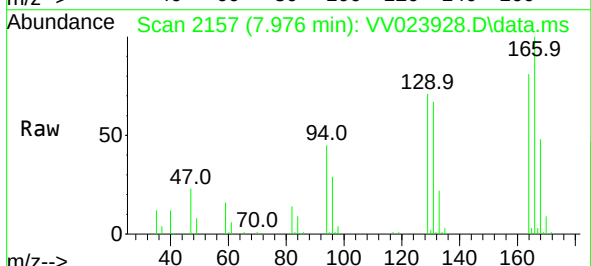
Ion Ratio Lower Upper

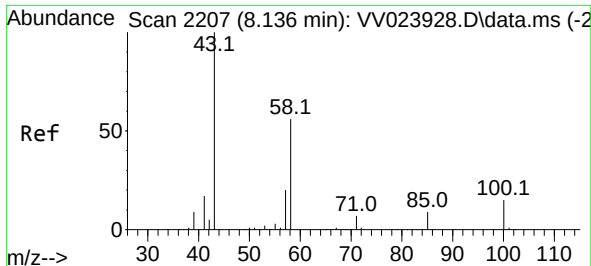
164 100

129 88.3 62.6 116.2

131 83.1 61.0 113.4

166 123.8 87.3 162.1

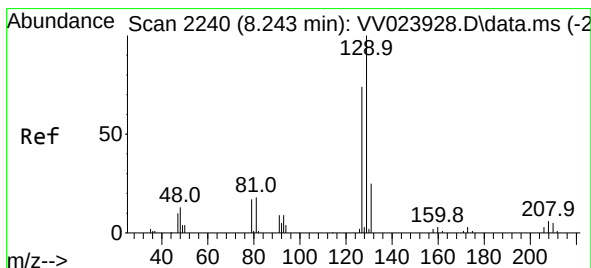
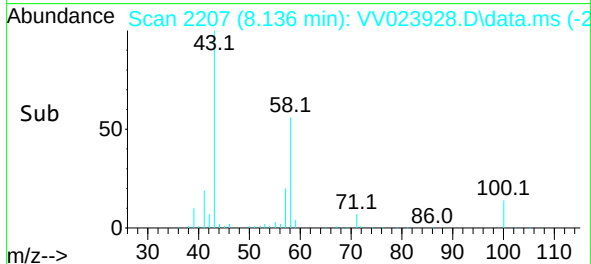
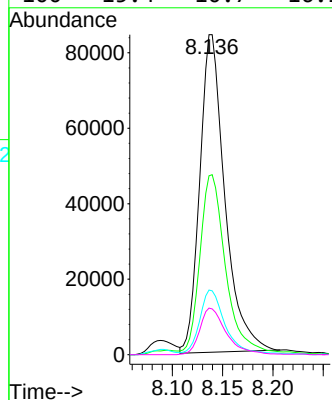
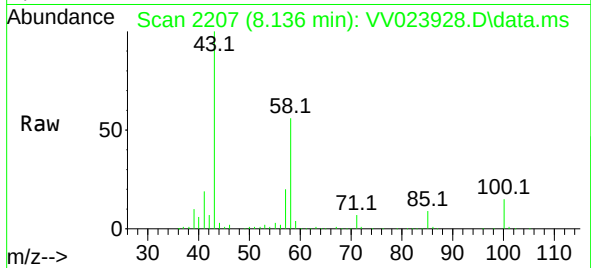




#48
2-Hexanone
Concen: 53.719 ug/L
RT: 8.136 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

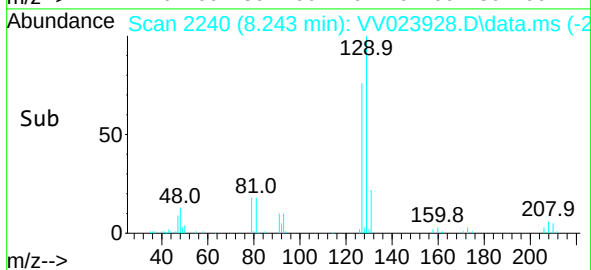
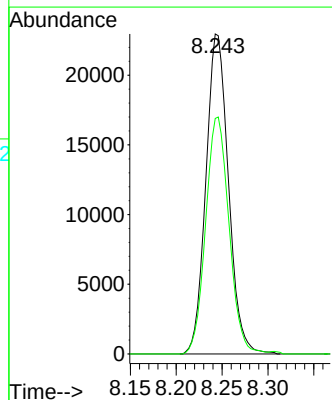
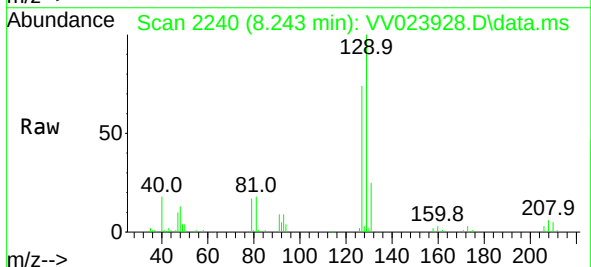
Instrument :
MSVOA_V
ClientSampleId :

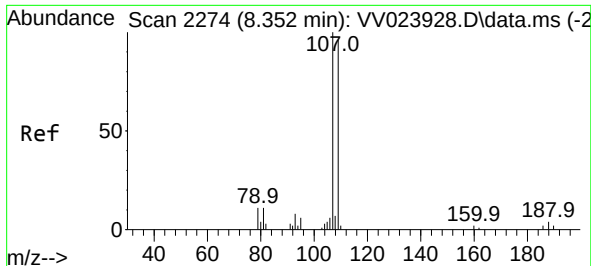
Tgt Ion: 43 Resp: 146276
Ion Ratio Lower Upper
43 100
58 58.7 44.5 66.7
57 20.2 15.1 22.7
100 15.4 10.7 16.1



#49
Dibromochloromethane
Concen: 4.990 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. -0.003 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

Tgt Ion:129 Resp: 39263
Ion Ratio Lower Upper
129 100
127 73.6 53.5 99.3





#50

1,2-Dibromoethane

Concen: 5.035 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.000 min

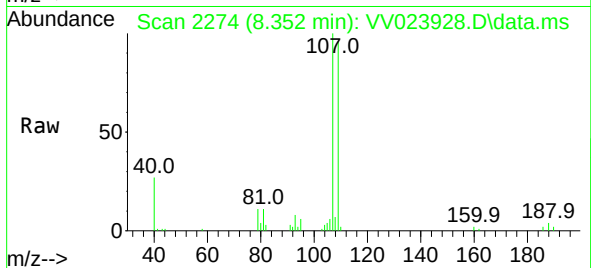
Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

Instrument :

MSVOA_V

ClientSampleId :



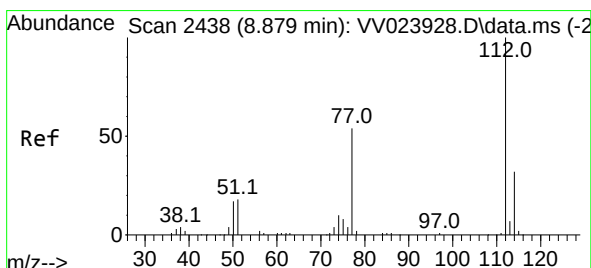
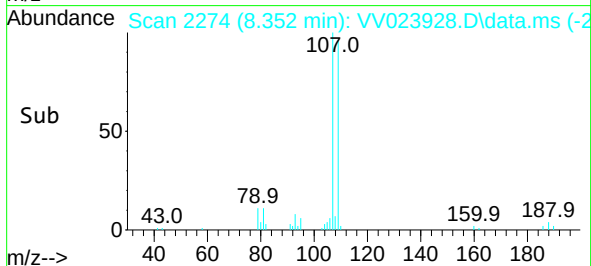
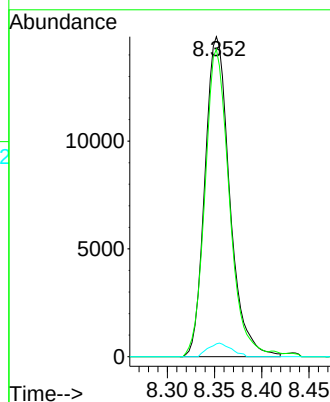
Tgt Ion:107 Resp: 27037

Ion Ratio Lower Upper

107 100

109 96.1 62.5 116.1

188 4.0 3.4 5.2



#51

Chlorobenzene

Concen: 5.267 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

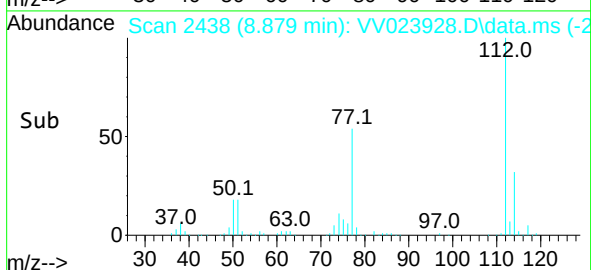
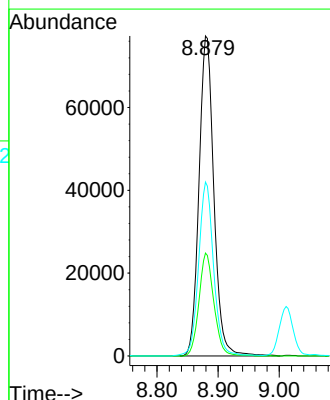
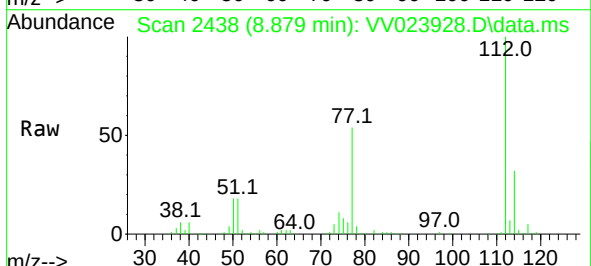
Tgt Ion:112 Resp: 130309

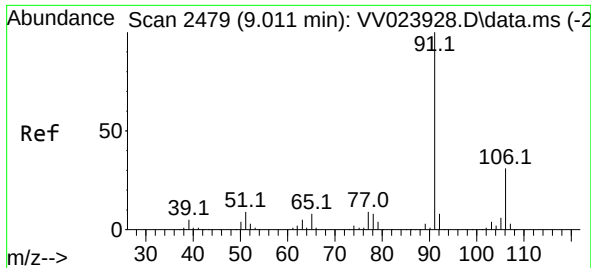
Ion Ratio Lower Upper

112 100

114 32.1 23.3 43.3

77 54.4 43.3 64.9

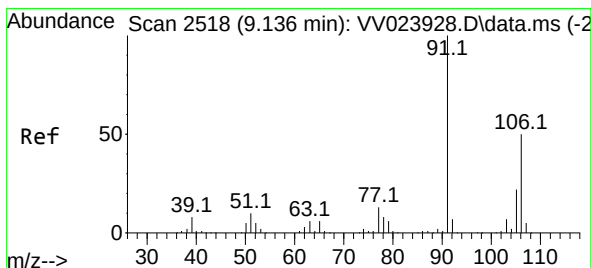
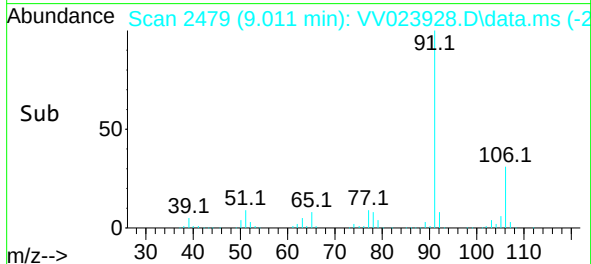
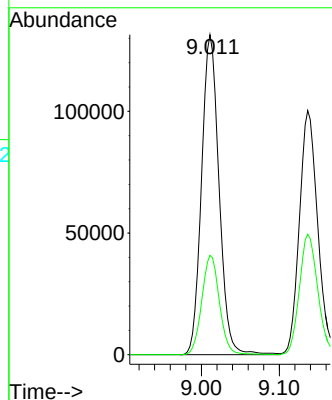
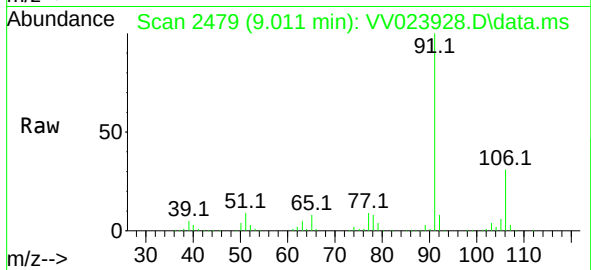




#52
Ethylbenzene
Concen: 5.248 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

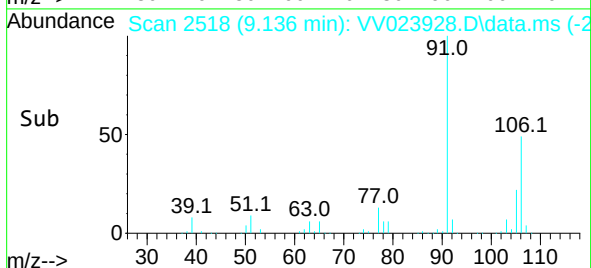
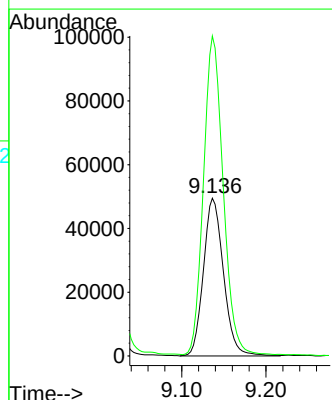
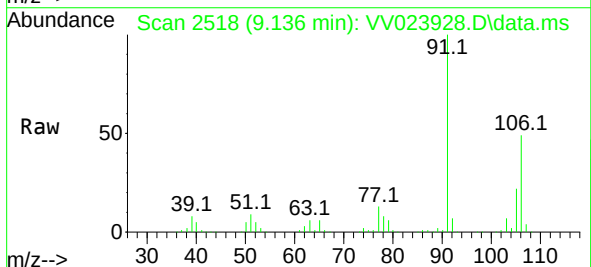
Instrument :
MSVOA_V
ClientSampleId :

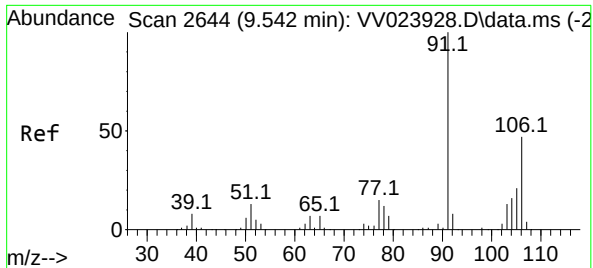
Tgt Ion: 91 Resp: 204980
Ion Ratio Lower Upper
91 100
106 31.1 22.0 41.0



#53
m,p-xylene
Concen: 5.317 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

Tgt Ion:106 Resp: 82131
Ion Ratio Lower Upper
106 100
91 202.7 139.5 259.1

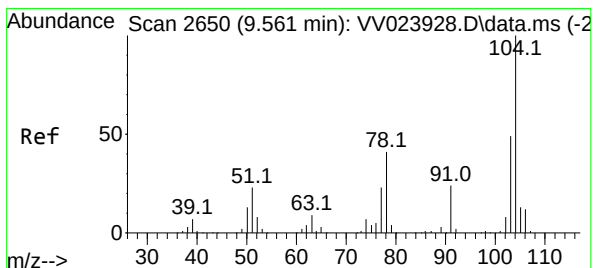
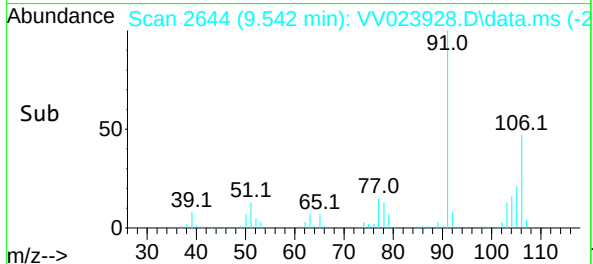
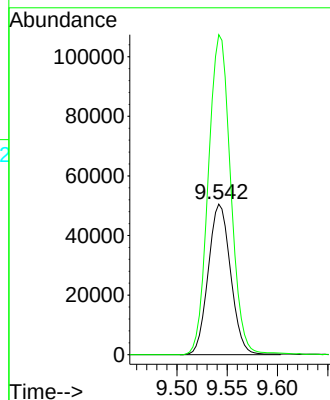
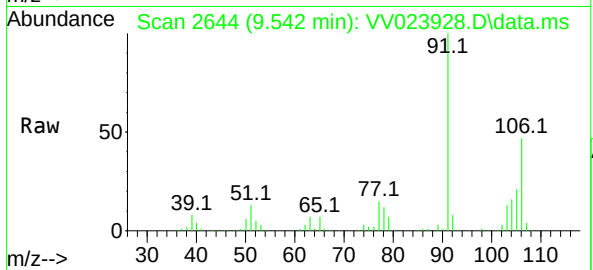




#54
o-xylene
Concen: 5.235 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

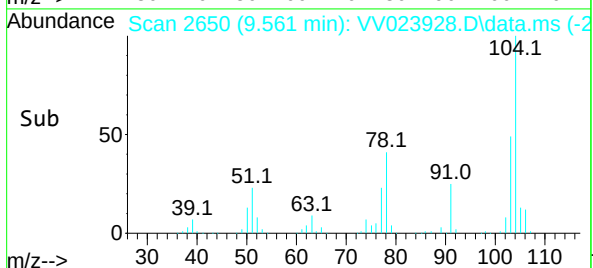
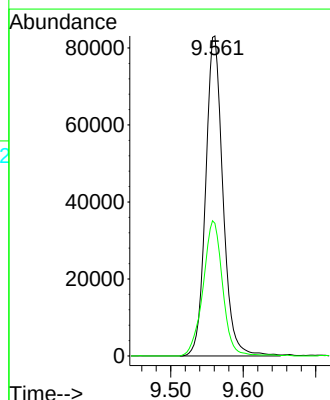
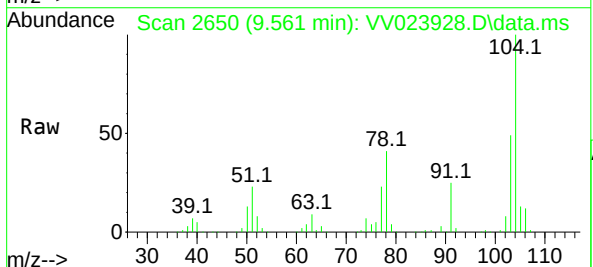
Instrument :
MSVOA_V
ClientSampleId :

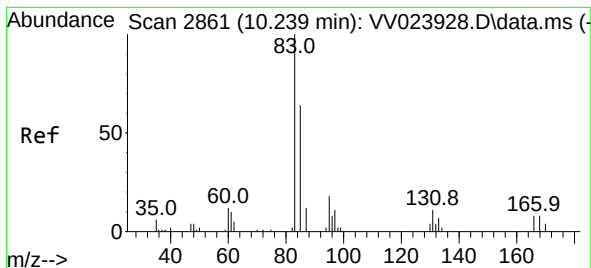
Tgt Ion:106 Resp: 78191
Ion Ratio Lower Upper
106 100
91 212.5 147.9 274.7



#55
Styrene
Concen: 5.545 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

Tgt Ion:104 Resp: 137877
Ion Ratio Lower Upper
104 100
78 41.4 31.0 57.6

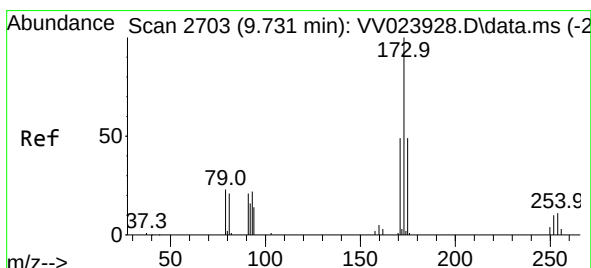
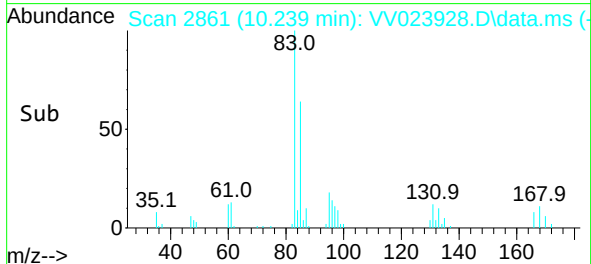
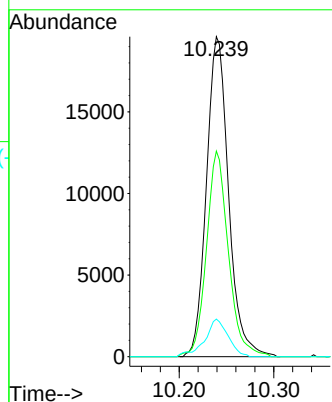
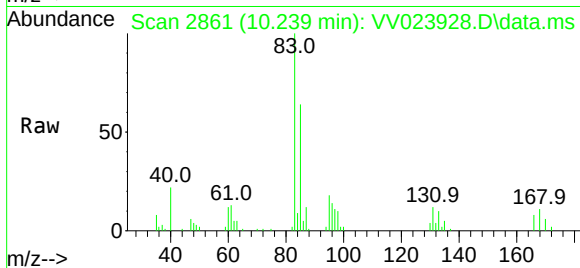




#57
1,1,2,2-Tetrachloroethane
Concen: 5.038 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

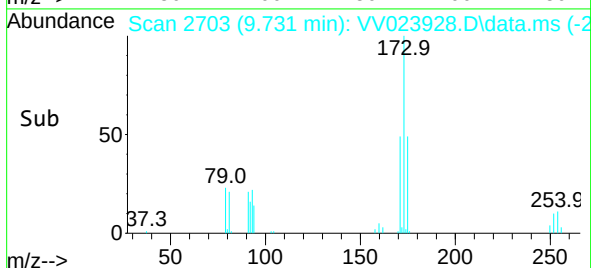
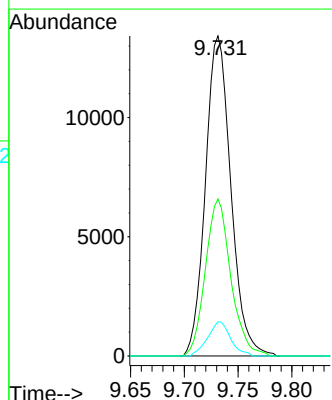
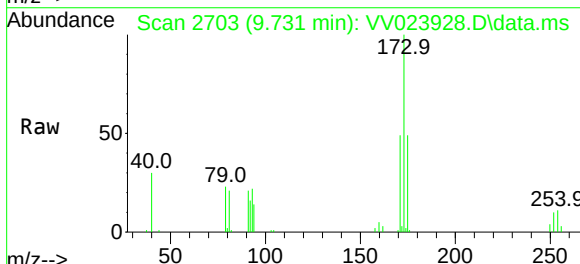
Instrument :
MSVOA_V
ClientSampleId :

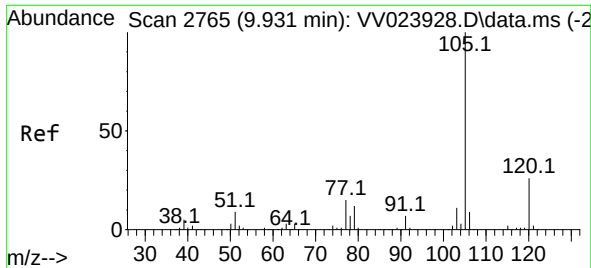
Tgt Ion: 83 Resp: 31905
Ion Ratio Lower Upper
83 100
85 64.3 44.6 82.8
131 11.7 8.3 12.5



#59
Bromoform
Concen: 4.751 ug/L
RT: 9.731 min Scan# 2703
Delta R.T. 0.000 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

Tgt Ion: 173 Resp: 22091
Ion Ratio Lower Upper
173 100
175 49.0 39.4 59.2
254 9.6 7.4 11.0

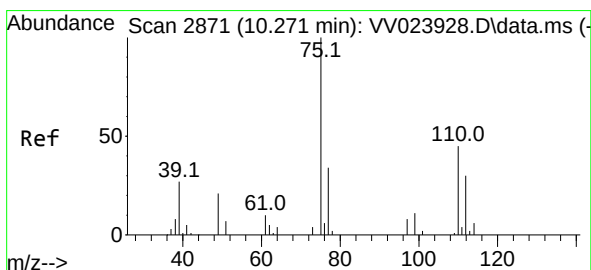
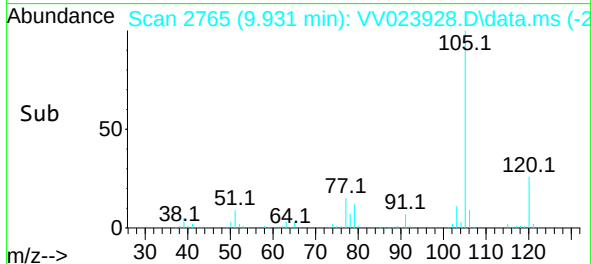
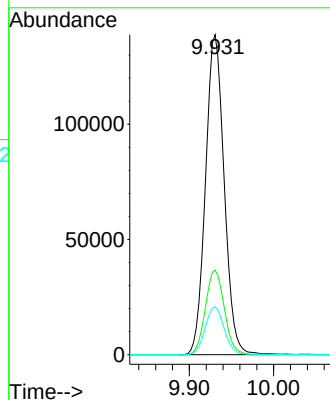
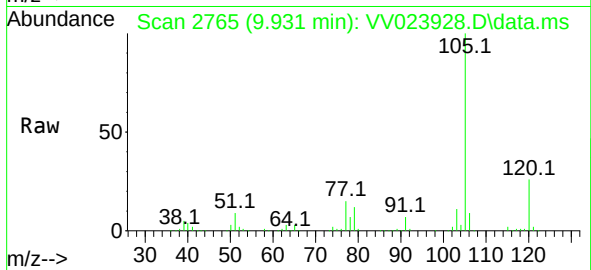




#60
Isopropylbenzene
Concen: 5.044 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.000 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

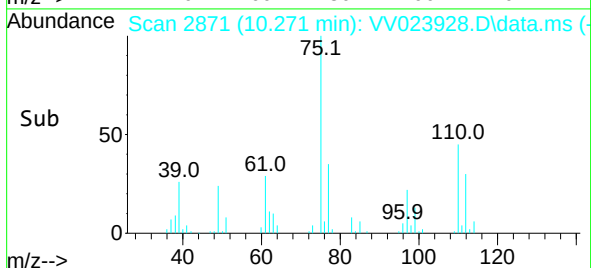
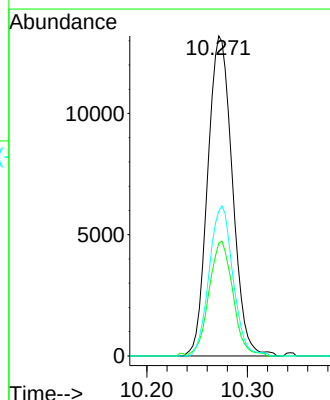
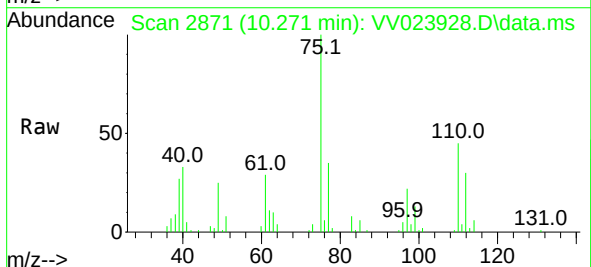
Instrument :
MSVOA_V
ClientSampleId :

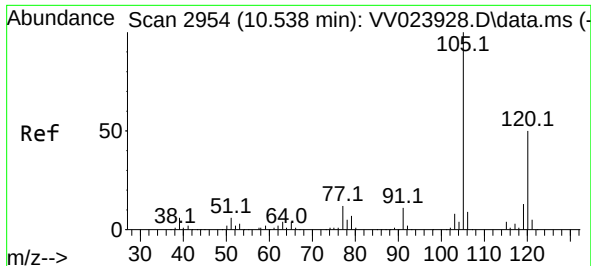
Tgt Ion:105 Resp: 214589
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.0
77 15.4 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 4.555 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

Tgt Ion: 75 Resp: 22482
Ion Ratio Lower Upper
75 100
77 34.7 26.4 39.6
110 45.2 34.2 51.2





#62

1,3,5-Trimethylbenzene

Concen: 5.084 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

Instrument :

MSVOA_V

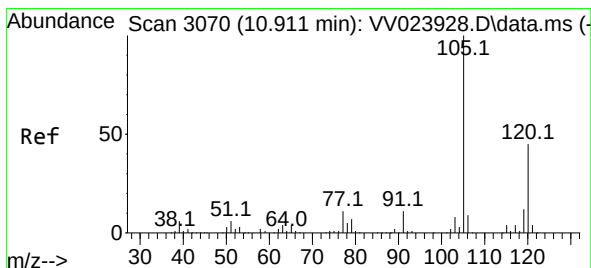
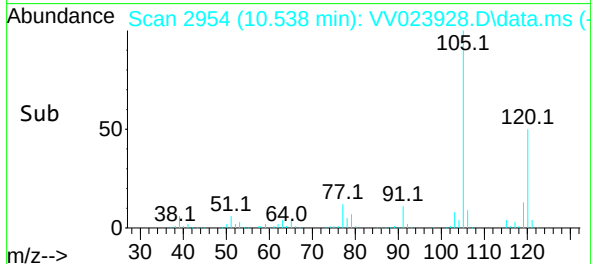
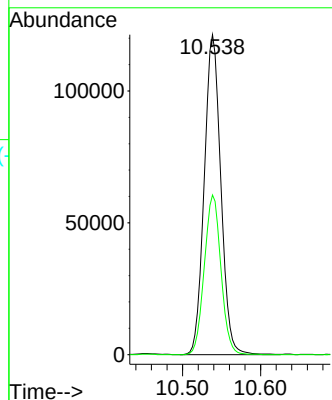
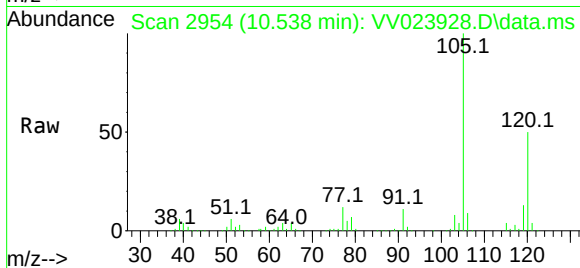
ClientSampleId :

Tgt Ion:105 Resp: 179399

Ion Ratio Lower Upper

105 100

120 50.0 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 5.207 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. -0.003 min

Lab File: VV023928.D

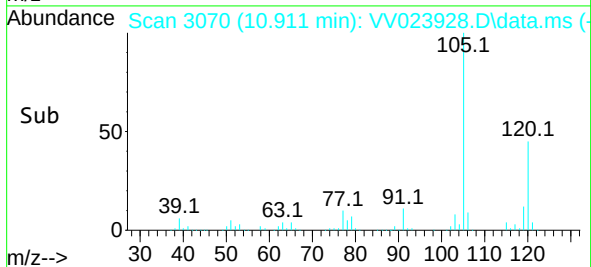
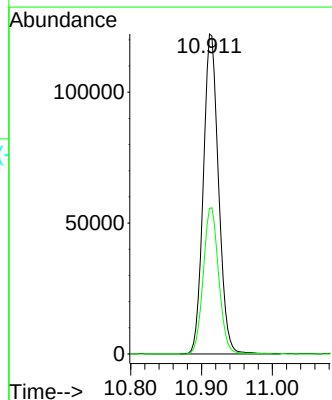
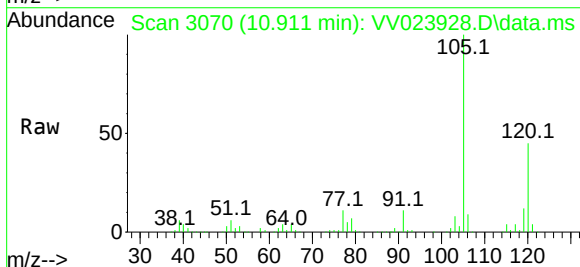
Acq: 11 Dec 2021 10:30

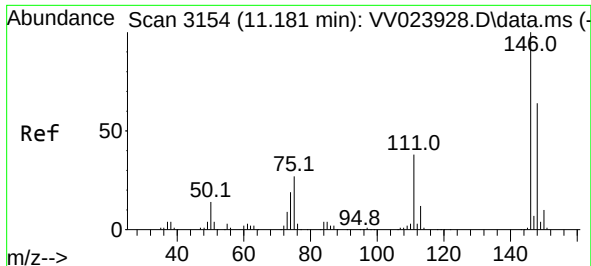
Tgt Ion:105 Resp: 183048

Ion Ratio Lower Upper

105 100

120 46.2 36.7 55.1

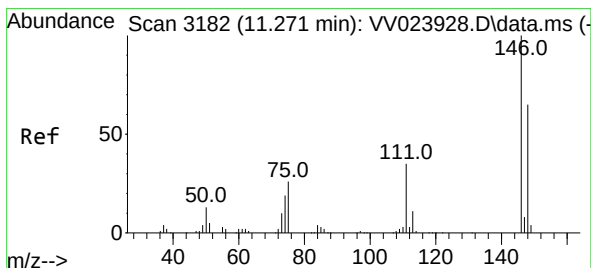
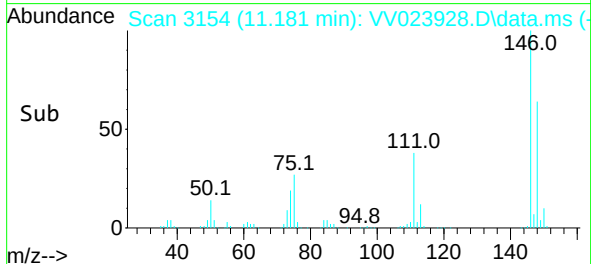
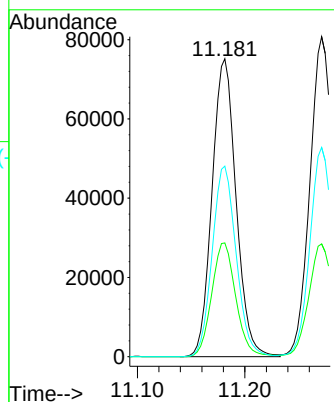
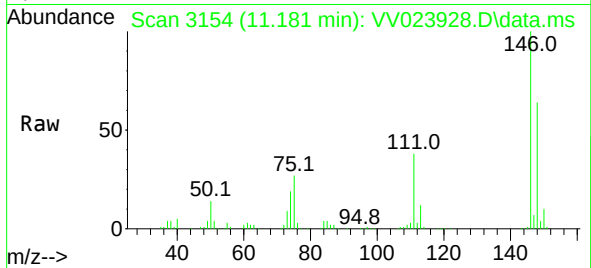




#64
1,3-Dichlorobenzene
Concen: 5.366 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

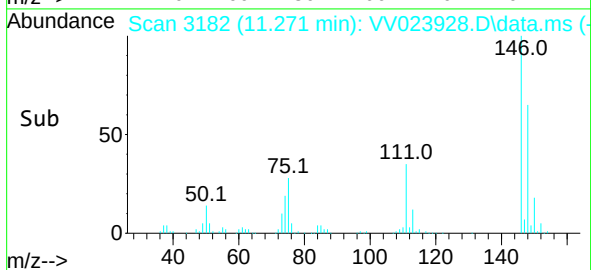
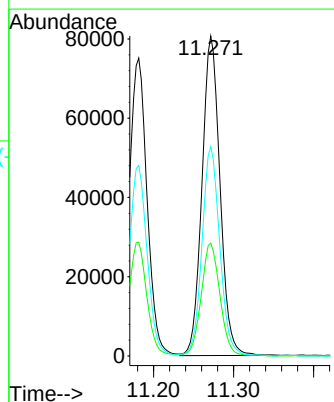
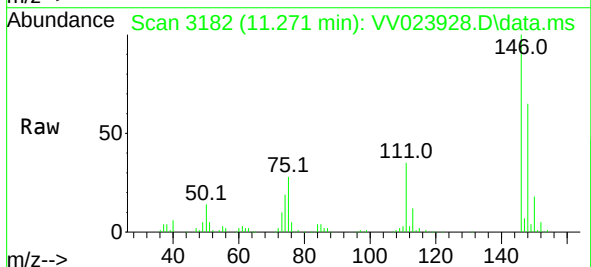
Instrument :
MSVOA_V
ClientSampleId :

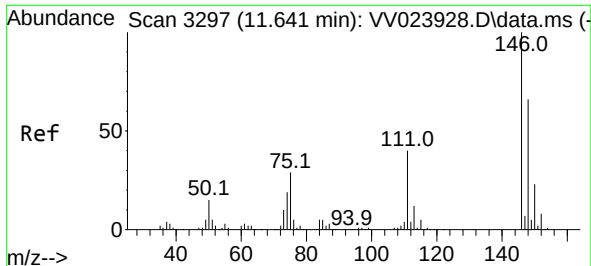
Tgt Ion:146 Resp: 116736
Ion Ratio Lower Upper
146 100
111 38.2 26.3 48.9
148 64.0 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 5.793 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

Tgt Ion:146 Resp: 126587
Ion Ratio Lower Upper
146 100
111 35.3 25.6 47.6
148 65.4 44.8 83.2

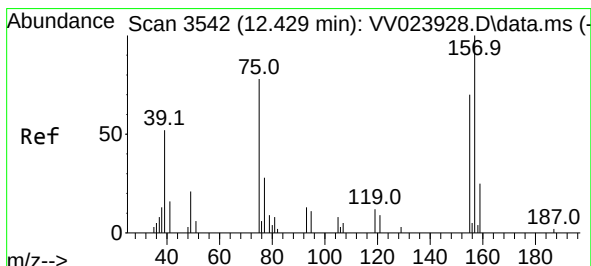
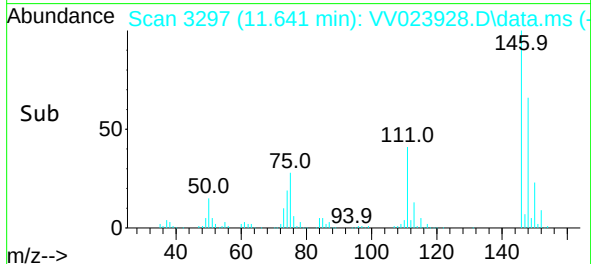
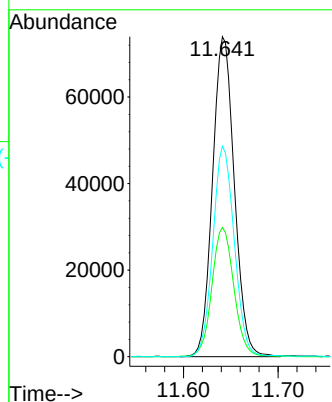
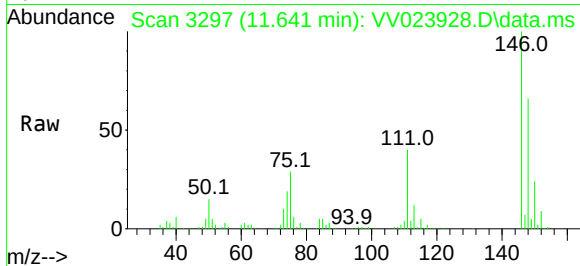




#67
1,2-Dichlorobenzene
Concen: 5.943 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. 0.000 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

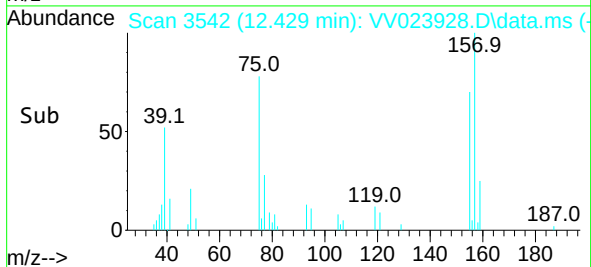
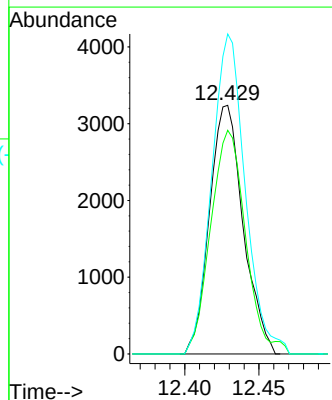
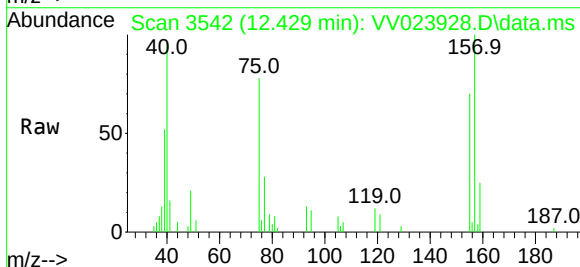
Instrument :
MSVOA_V
ClientSampleId :

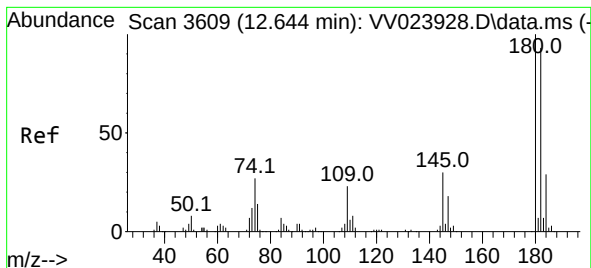
Tgt Ion:146 Resp: 118463
Ion Ratio Lower Upper
146 100
111 40.4 31.9 47.9
148 65.8 50.5 75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 4.748 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. -0.003 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

Tgt Ion: 75 Resp: 5118
Ion Ratio Lower Upper
75 100
155 90.0 71.7 107.5
157 128.7 103.3 154.9





#69

1,3,5-Trichlorobenzene

Concen: 4.962 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. 0.000 min

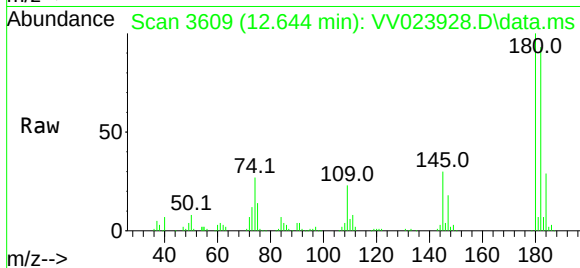
Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 88785

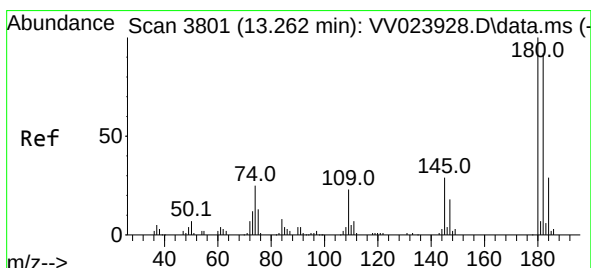
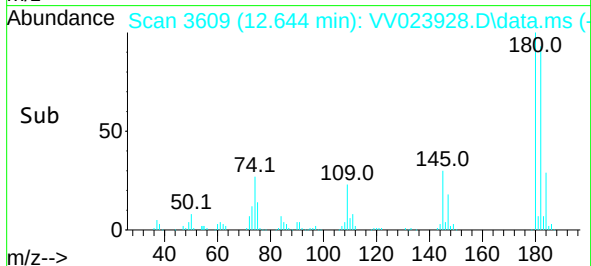
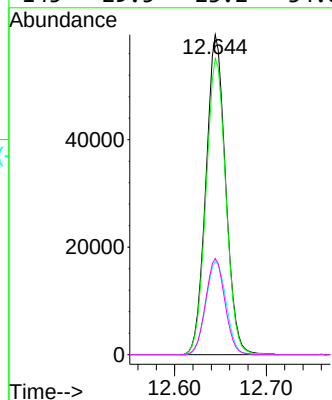
Ion Ratio Lower Upper

180 100

182 93.6 76.4 114.6

184 30.1 24.2 36.4

145 29.5 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 5.289 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.000 min

Lab File: VV023928.D

Acq: 11 Dec 2021 10:30

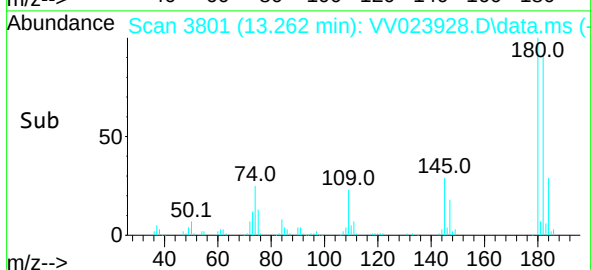
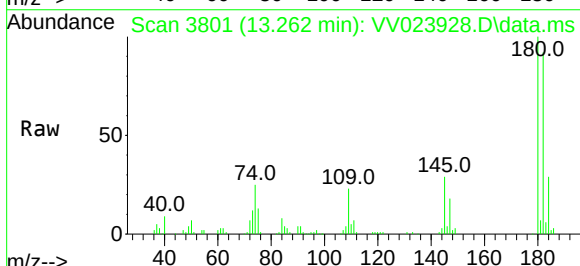
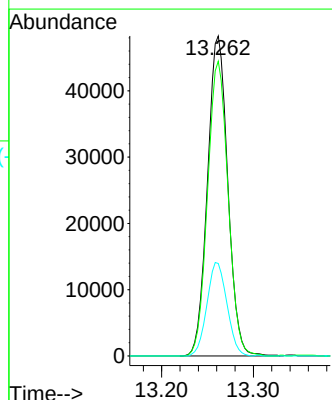
Tgt Ion:180 Resp: 74334

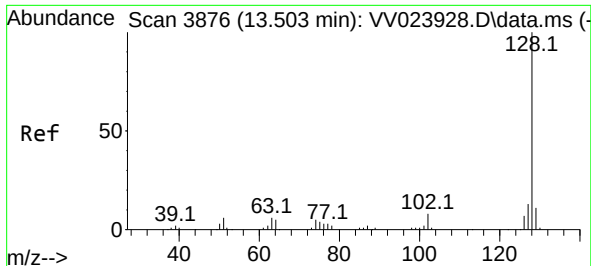
Ion Ratio Lower Upper

180 100

182 93.0 74.4 111.6

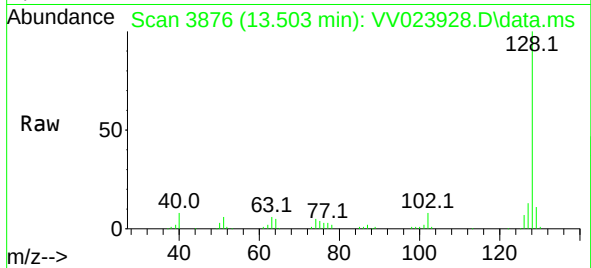
145 28.8 23.3 34.9



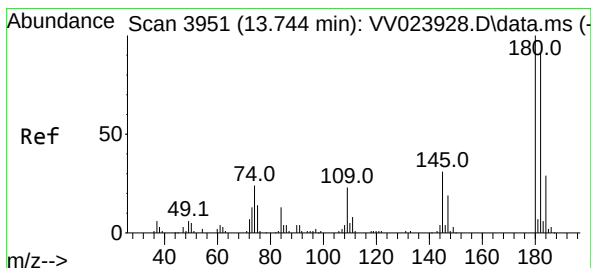
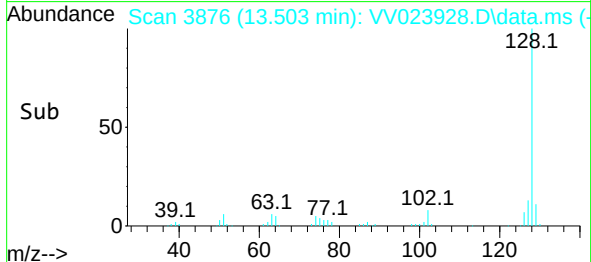
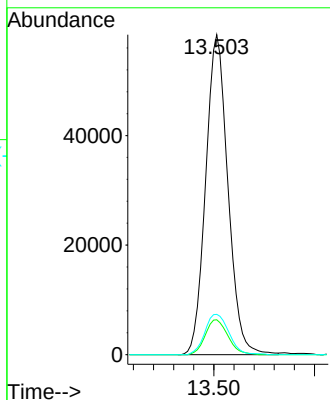


#71
Naphthalene
Concen: 4.447 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.000 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 89828
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.6 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 4.883 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.000 min
Lab File: VV023928.D
Acq: 11 Dec 2021 10:30

Tgt Ion:180 Resp: 60593
Ion Ratio Lower Upper
180 100
182 94.9 76.8 115.2
145 30.9 25.8 38.6

