

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012423\
 Data File : VW029932.D
 Acq On : 24 Jan 2023 18:51
 Operator : SY/MD
 Sample : 01225-18MSD
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EX9G4MSD

Quant Time: Jan 25 00:47:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 25 00:44:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	198093	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	205036	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	129081	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	56578	3.766	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.400%
7) Chloroethane-d5	1.565	69	56240	4.515	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.108	63	124905	4.560	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.200%
20) 2-Butanone-d5	3.902	46	123414	46.342	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.680%
24) Chloroform-d	4.339	84	122238	4.435	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
26) 1,2-Dichloroethane-d4	5.024	65	51407	4.404	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.000%
32) Benzene-d6	5.044	84	227966	3.748	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.000%
36) 1,2-Dichloropropane-d6	6.063	67	72794	4.090	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.800%
41) Toluene-d8	7.307	98	200871	3.567	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.400%
43) trans-1,3-Dichloroprop...	7.616	79	22559	3.470	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.400%
46) 2-Hexanone-d5	8.085	63	125170	47.295	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.600%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	61374	4.705	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.200%
66) 1,2-Dichlorobenzene-d4	11.612	152	81834	3.487	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	69.800%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	91740	4.976	ug/L	100
3) Chloromethane	1.240	50	118532	6.109	ug/L	99
5) Vinyl chloride	1.307	62	129277	6.795	ug/L	98
6) Bromomethane	1.520	94	52670	5.686	ug/L	100
8) Chloroethane	1.581	64	96081	8.323	ug/L	95
9) Trichlorofluoromethane	1.751	101	142584	5.721	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	83458	5.685	ug/L	95
12) 1,1-Dichloroethene	2.114	96	90442	5.347	ug/L	89
13) Acetone	2.198	43	91697	48.242	ug/L	95
14) Carbon disulfide	2.291	76	267440	5.492	ug/L	100
15) Methyl Acetate	2.439	43	24711	4.992	ug/L	95
16) Methylene chloride	2.500	84	99998	4.759	ug/L	91
17) Methyl tert-butyl Ether	2.767	73	179480	6.137	ug/L	97
18) trans-1,2-Dichloroethene	2.754	96	93079	5.920	ug/L	91
19) 1,1-Dichloroethane	3.182	63	178182	6.774	ug/L	98
21) 2-Butanone	3.989	43	141326	51.901	ug/L	100
22) cis-1,2-Dichloroethene	3.902	96	99613	5.945	ug/L	91
23) Bromochloromethane	4.236	128	40929	5.915	ug/L	85
25) Chloroform	4.365	83	172581	6.036	ug/L	97

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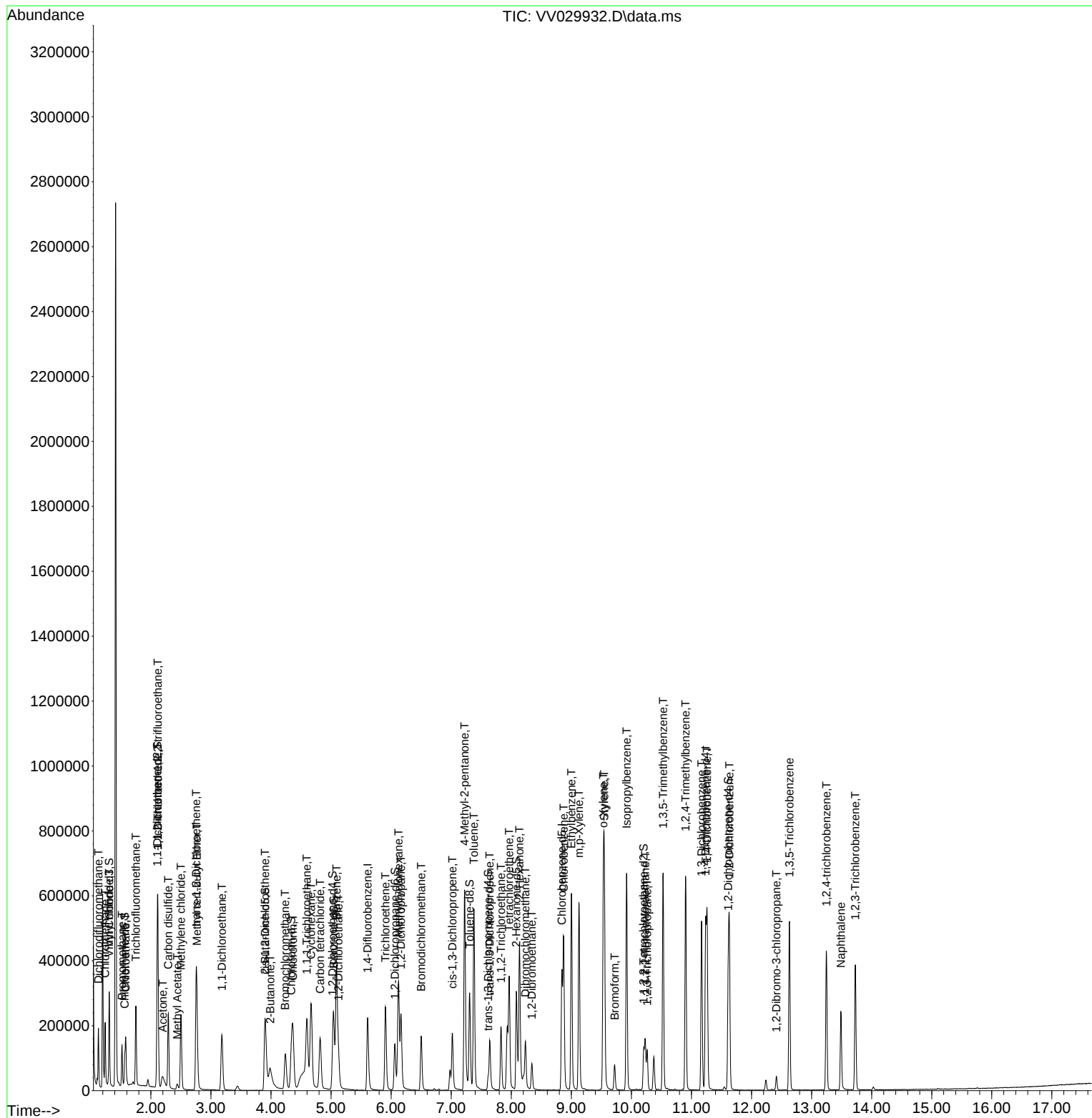
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	88422	6.365	ug/L	100
29) 1,1,1-Trichloroethane	4.597	97	145861	5.479	ug/L	97
30) Cyclohexane	4.667	56	136882	5.431	ug/L	95
31) Carbon tetrachloride	4.818	117	120149	5.186	ug/L	100
33) Benzene	5.092	78	398922	5.885	ug/L	100
34) Trichloroethene	5.905	95	93580	5.447	ug/L	97
35) Methylcyclohexane	6.124	83	137956	4.756	ug/L	95
37) 1,2-Dichloropropane	6.166	63	101929	6.421	ug/L	97
38) Bromodichloromethane	6.500	83	117608	5.728	ug/L	98
39) cis-1,3-Dichloropropene	7.018	75	113377	5.326	ug/L	98
40) 4-Methyl-2-pentanone	7.223	43	433966	64.055	ug/L	94
42) Toluene	7.378	91	419685	5.740	ug/L	99
44) trans-1,3-Dichloropropene	7.641	75	93170	5.431	ug/L	100
45) 1,1,2-Trichloroethane	7.831	97	64036	5.598	ug/L	98
47) Tetrachloroethene	7.966	164	77557	5.362	ug/L	99
48) 2-Hexanone	8.137	43	301619	62.287	ug/L	94
49) Dibromochloromethane	8.236	129	72376	5.392	ug/L	98
50) 1,2-Dibromoethane	8.342	107	56170	5.657	ug/L	100
51) Chlorobenzene	8.873	112	262581	5.656	ug/L	100
52) Ethylbenzene	9.002	91	425546	5.561	ug/L	100
53) m,p-Xylene	9.127	106	167307	5.524	ug/L	99
54) o-Xylene	9.532	106	160709	5.591	ug/L	100
55) Styrene	9.551	104	285640	5.778	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.230	83	79537	6.260	ug/L	96
59) Bromoform	9.722	173	36280	4.339	ug/L	99
60) Isopropylbenzene	9.921	105	425581	5.158	ug/L	99
61) 1,2,3-Trichloropropane	10.262	75	52753	5.519	ug/L	96
62) 1,3,5-Trimethylbenzene	10.529	105	351571	4.972	ug/L	99
63) 1,2,4-Trimethylbenzene	10.902	105	355547	5.043	ug/L	99
64) 1,3-Dichlorobenzene	11.169	146	211191	5.040	ug/L	99
65) 1,4-Dichlorobenzene	11.259	146	212476	5.087	ug/L	98
67) 1,2-Dichlorobenzene	11.632	146	197229	5.236	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.413	75	10745	4.754	ug/L	86
69) 1,3,5-Trichlorobenzene	12.632	180	164064	4.865	ug/L	100
70) 1,2,4-trichlorobenzene	13.246	180	133479	5.065	ug/L	99
71) Naphthalene	13.490	128	196877	5.766	ug/L	99
72) 1,2,3-Trichlorobenzene	13.728	180	121468	5.553	ug/L	99

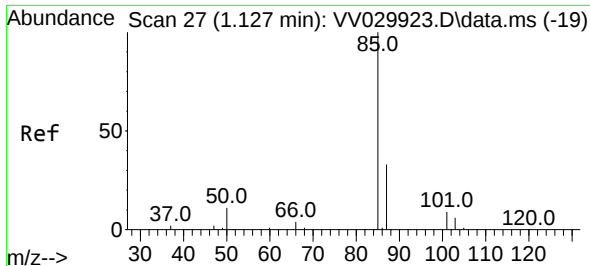
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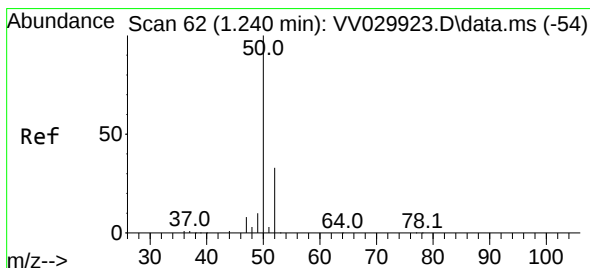
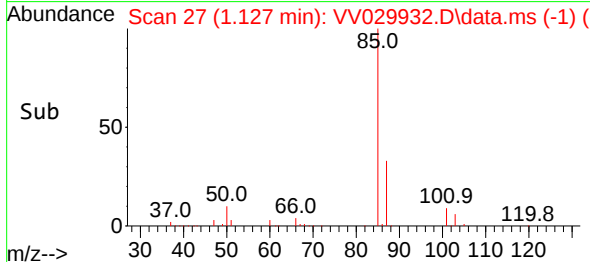
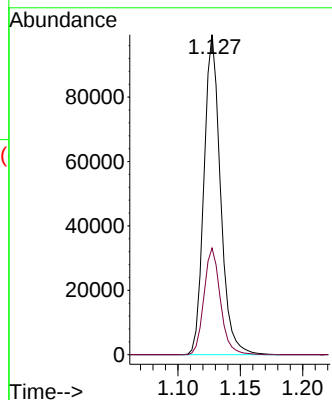
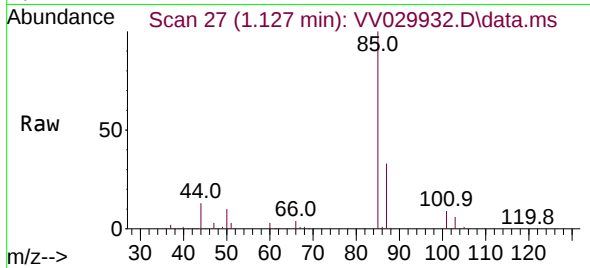




#2
Dichlorodifluoromethane
Concen: 4.976 ug/L
RT: 1.127 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

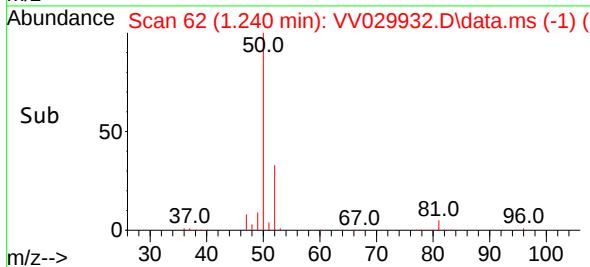
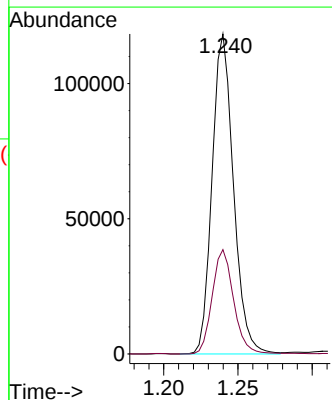
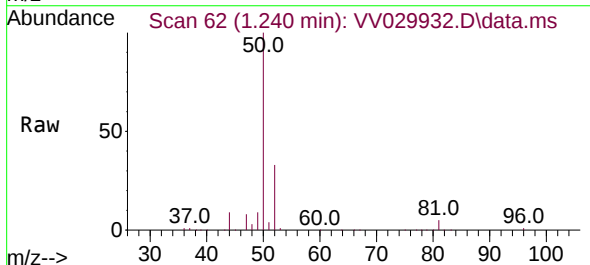
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ClientSampleId :
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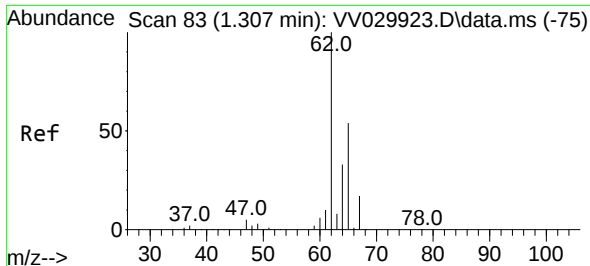
Tgt Ion: 85 Resp: 91740
Ion Ratio Lower Upper
85 100
87 33.1 26.5 39.7



#3
Chloromethane
Concen: 6.109 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.000 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

Tgt Ion: 50 Resp: 118532
Ion Ratio Lower Upper
50 100
52 32.6 23.1 42.9

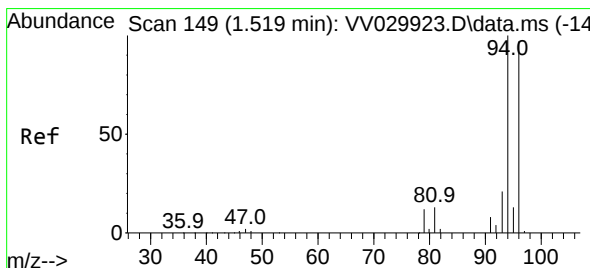
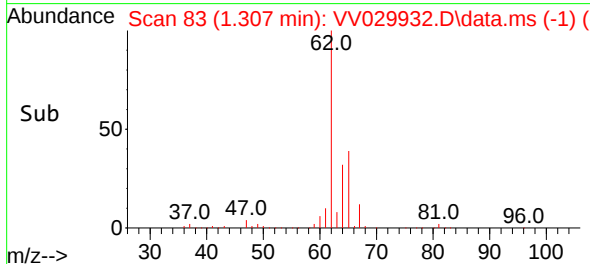
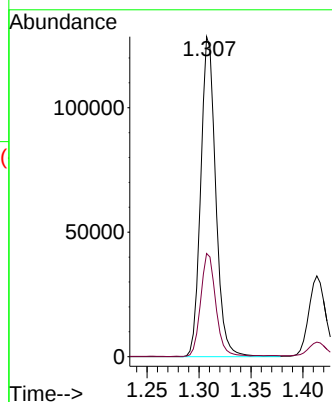
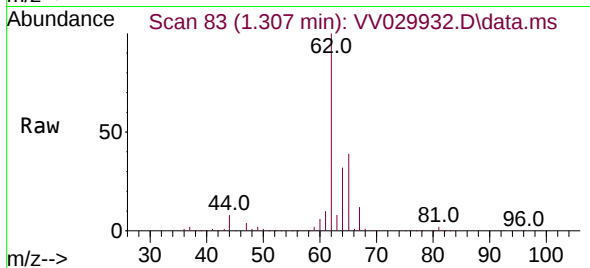




#5
 Vinyl chloride
 Concen: 6.795 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VV029932.D
 Acq: 24 Jan 2023 18:51

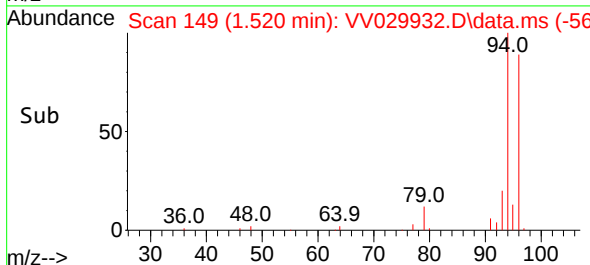
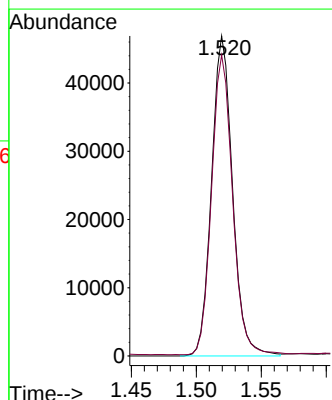
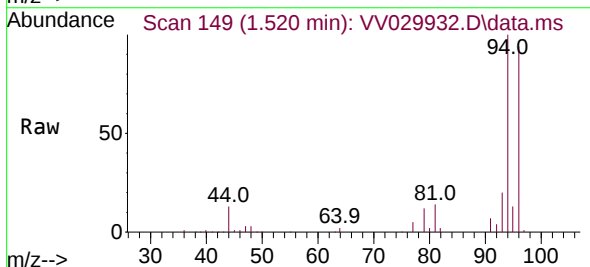
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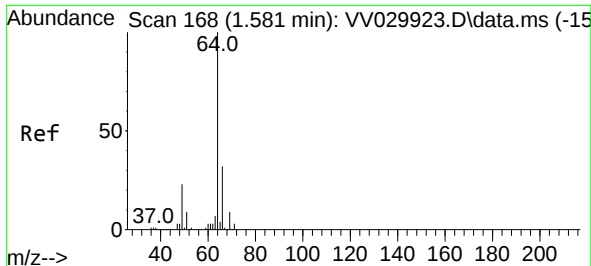
Tgt Ion: 62 Resp: 129277
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.2 43.2



#6
 Bromomethane
 Concen: 5.686 ug/L
 RT: 1.520 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV029932.D
 Acq: 24 Jan 2023 18:51

Tgt Ion: 94 Resp: 52670
 Ion Ratio Lower Upper
 94 100
 96 94.0 65.9 122.5

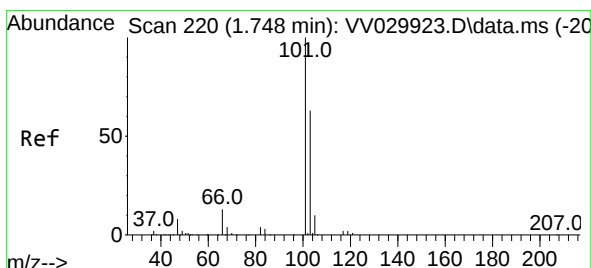
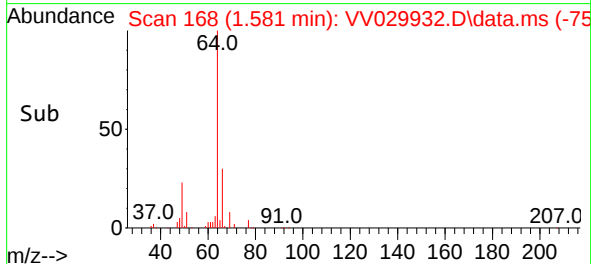
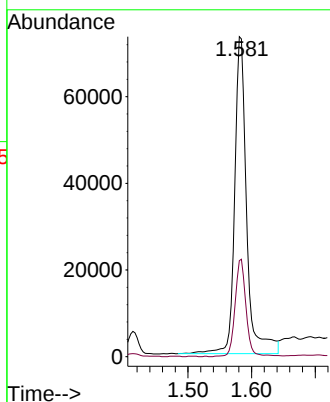
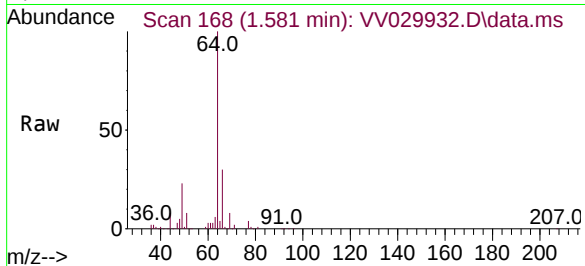




#8
Chloroethane
Concen: 8.323 ug/L
RT: 1.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

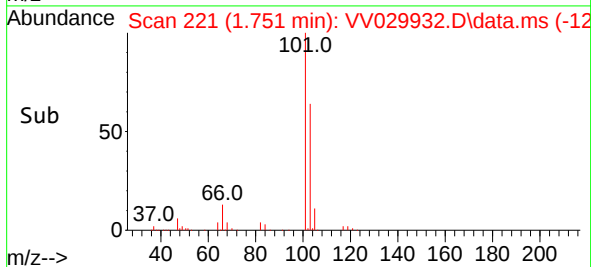
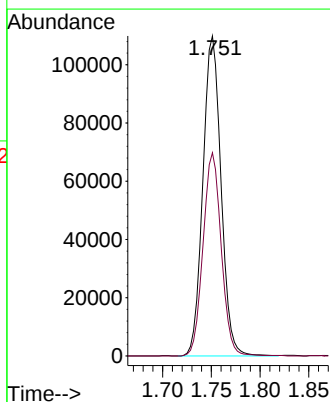
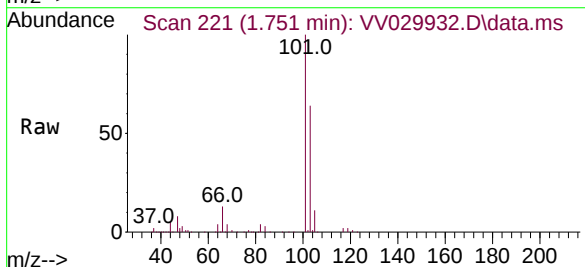
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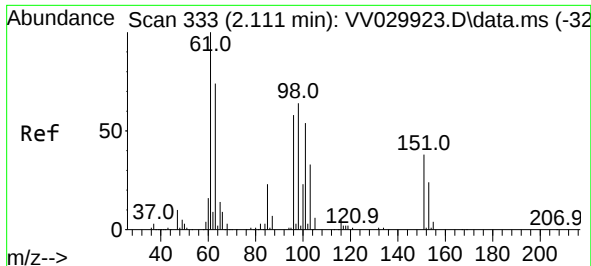
Tgt Ion: 64 Resp: 96081
Ion Ratio Lower Upper
64 100
66 30.0 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.721 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.003 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

Tgt Ion:101 Resp: 142584
Ion Ratio Lower Upper
101 100
103 63.5 51.8 77.8

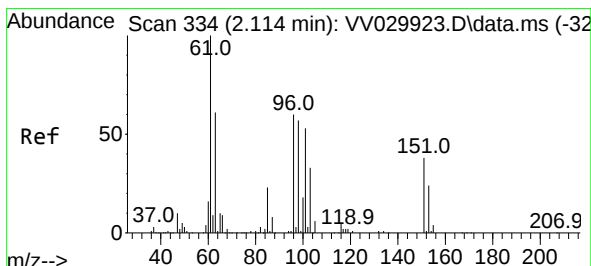
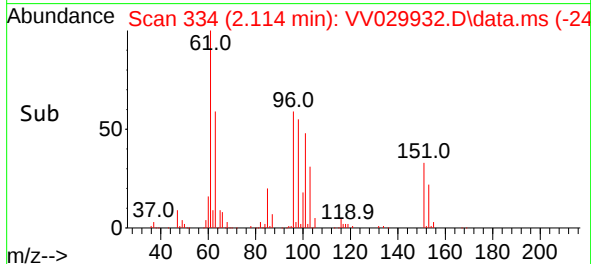
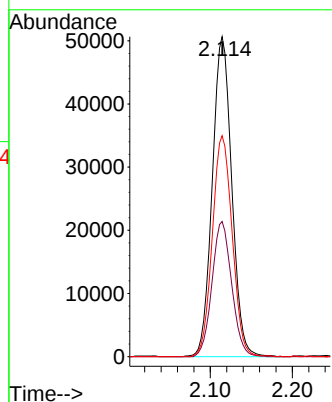
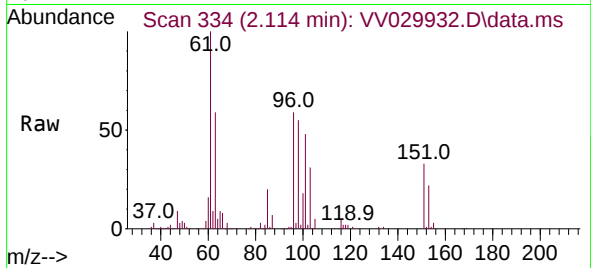




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.685 ug/L
 RT: 2.114 min Scan# 333
 Delta R.T. 0.003 min
 Lab File: VV029932.D
 Acq: 24 Jan 2023 18:51

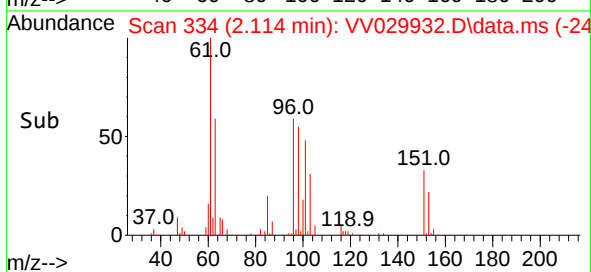
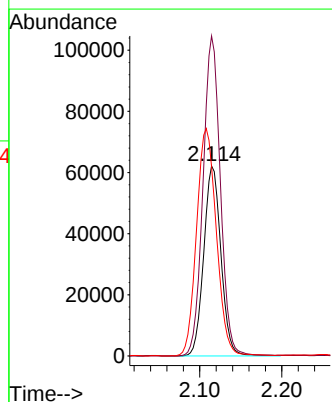
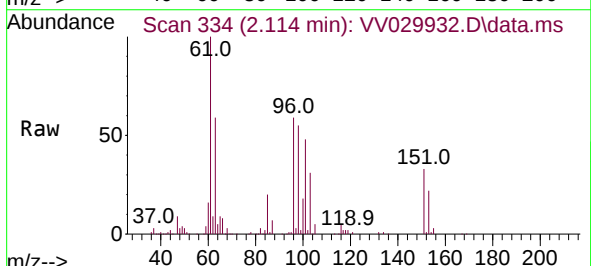
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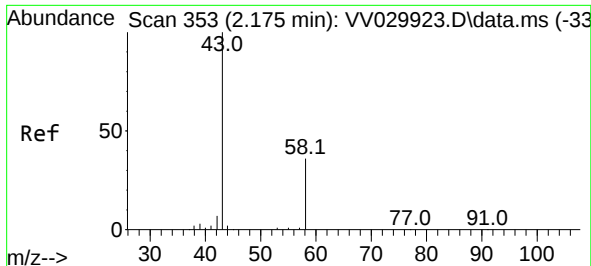
Tgt Ion:101 Resp: 83458
 Ion Ratio Lower Upper
 101 100
 85 42.6 32.9 49.3
 151 70.4 60.9 91.3



#12
 1,1-Dichloroethene
 Concen: 5.347 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV029932.D
 Acq: 24 Jan 2023 18:51

Tgt Ion: 96 Resp: 90442
 Ion Ratio Lower Upper
 96 100
 61 168.3 106.1 197.1
 63 99.6 76.4 141.8





#13

Acetone

Concen: 48.242 ug/L

RT: 2.198 min Scan# 30

Delta R.T. 0.023 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

Instrument :

MSVOA_V

ClientSampleId :

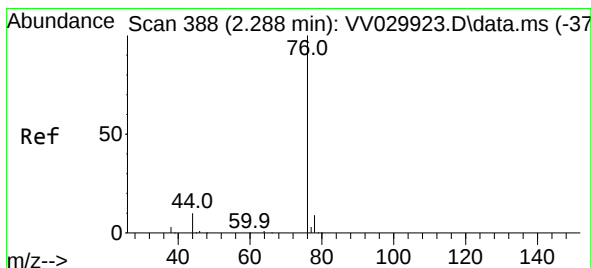
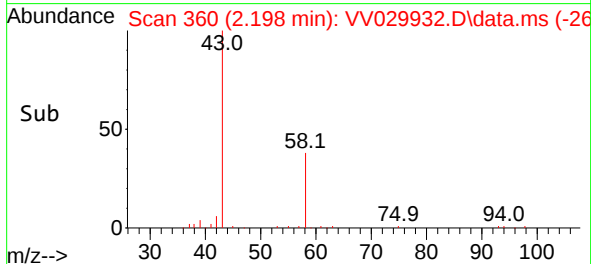
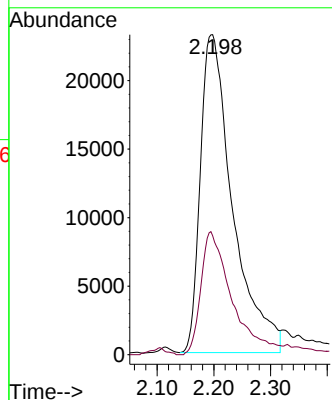
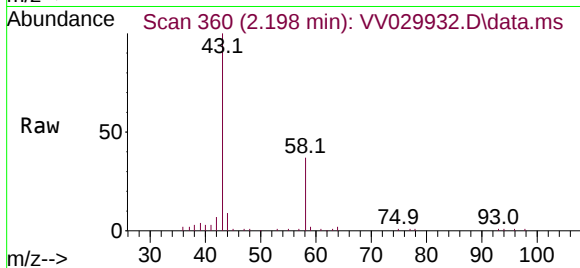
EX9G4MSD

Tgt Ion: 43 Resp: 91697

Ion Ratio Lower Upper

43 100

58 37.3 0.0 68.8



#14

Carbon disulfide

Concen: 5.492 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.003 min

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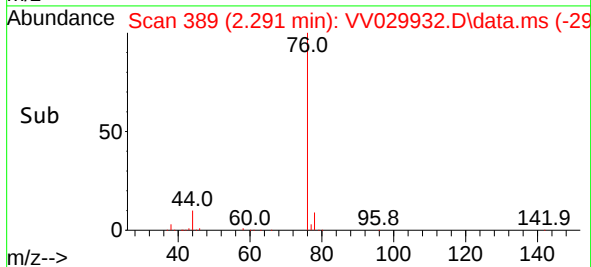
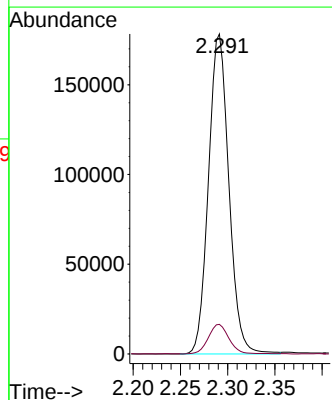
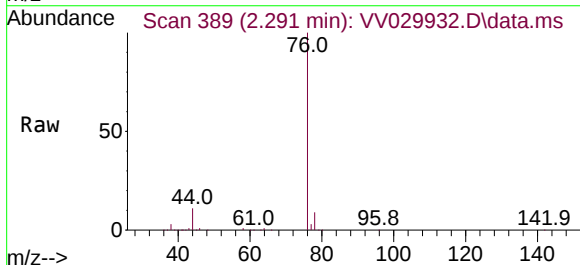
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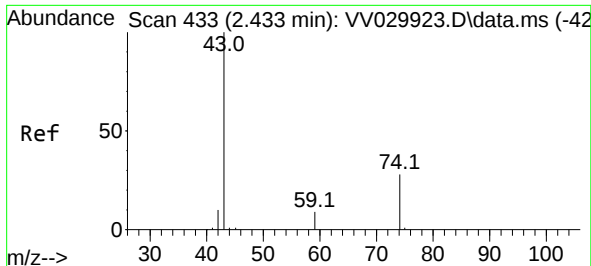
Tgt Ion: 76 Resp: 267440

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

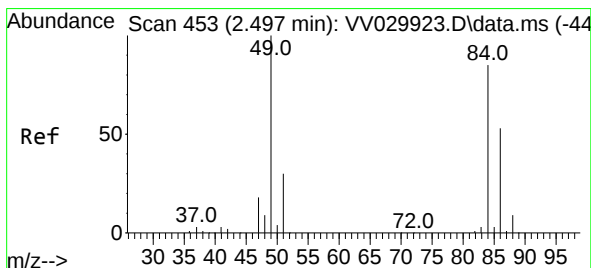
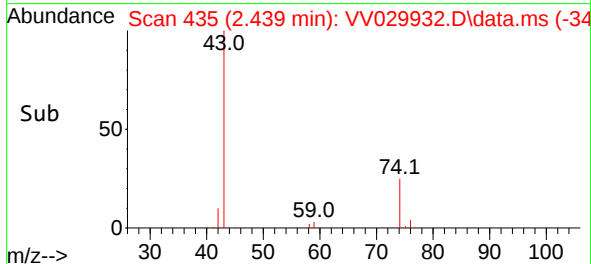
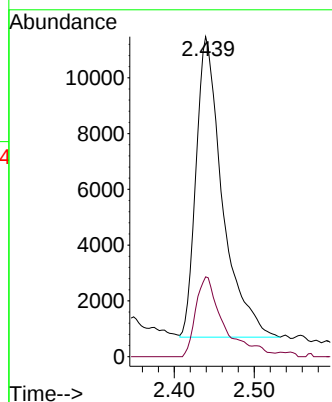
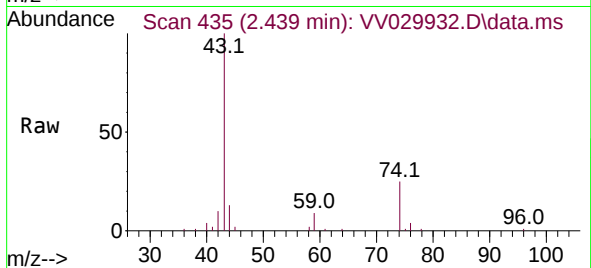




#15
Methyl Acetate
Concen: 4.992 ug/L
RT: 2.439 min Scan# 41
Delta R.T. 0.007 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

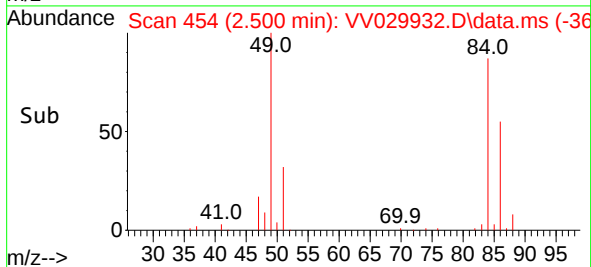
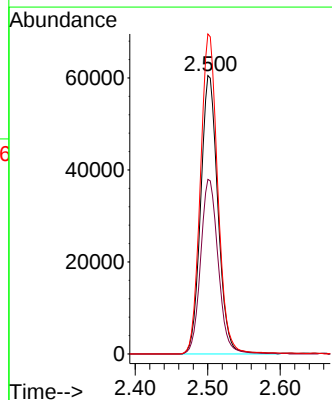
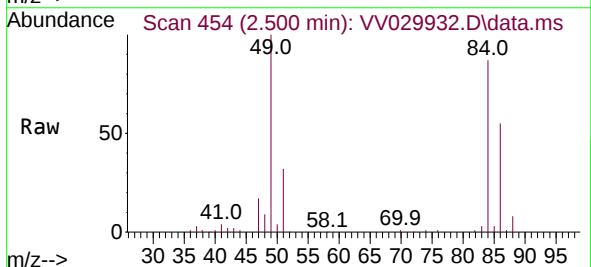
Instrument :
MSVOA_V
ClientSampleId :
EX9G4MSD

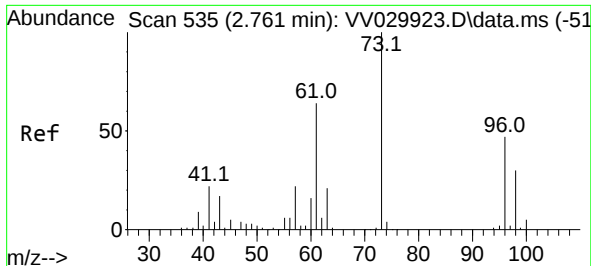
Tgt Ion: 43 Resp: 24711
Ion Ratio Lower Upper
43 100
74 26.5 23.4 35.0



#16
Methylene chloride
Concen: 4.759 ug/L
RT: 2.500 min Scan# 454
Delta R.T. 0.003 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

Tgt Ion: 84 Resp: 99998
Ion Ratio Lower Upper
84 100
86 62.7 45.0 83.6
49 115.0 71.5 132.7

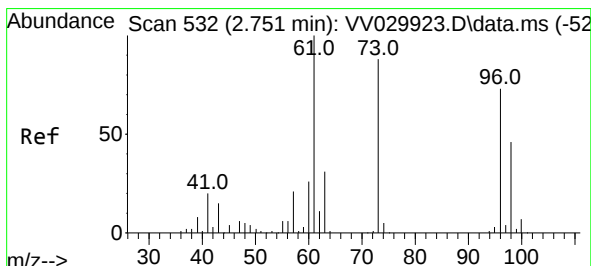
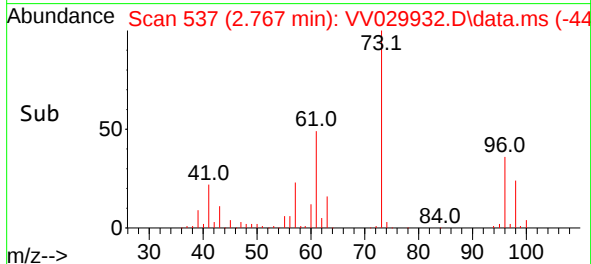
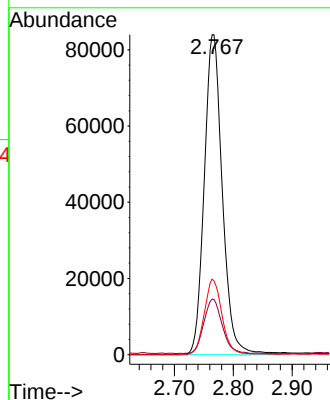
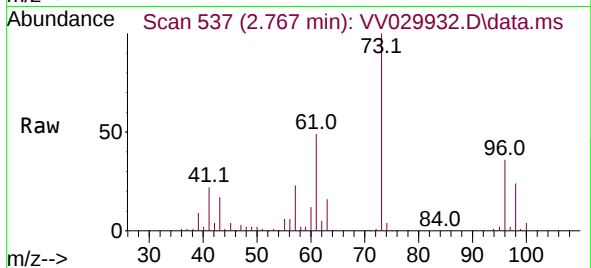




#17
Methyl tert-butyl Ether
Concen: 6.137 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.007 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

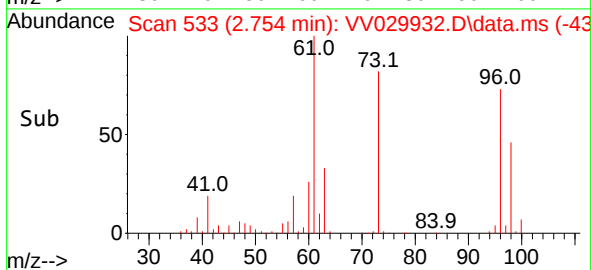
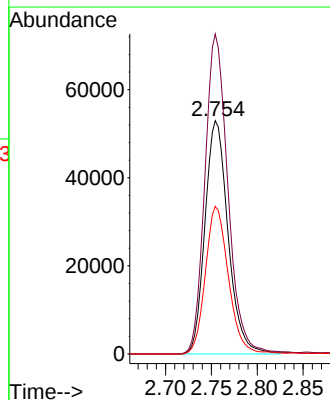
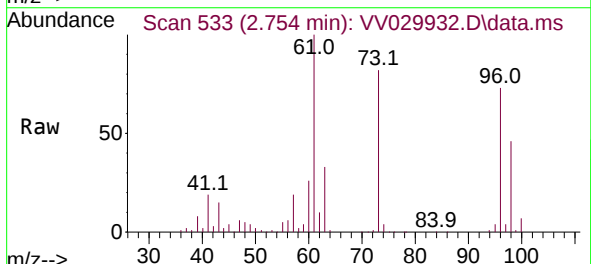
Instrument :
MSVOA_V
ClientSampleId :
EX9G4MSD

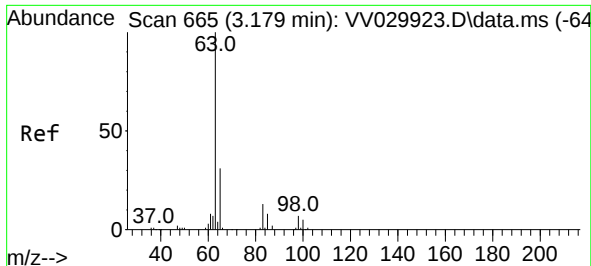
Tgt Ion: 73 Resp: 179480
Ion Ratio Lower Upper
73 100
43 17.1 13.0 19.4
57 23.1 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 5.920 ug/L
RT: 2.754 min Scan# 533
Delta R.T. 0.003 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

Tgt Ion: 96 Resp: 93079
Ion Ratio Lower Upper
96 100
61 137.1 86.1 159.9
98 63.2 43.9 81.5





#19

1,1-Dichloroethane

Concen: 6.774 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

Instrument :

MSVOA_V

ClientSampleId :

EX9G4MSD

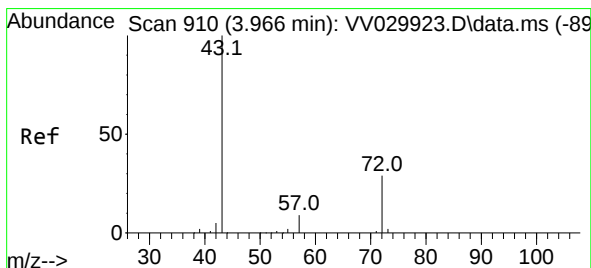
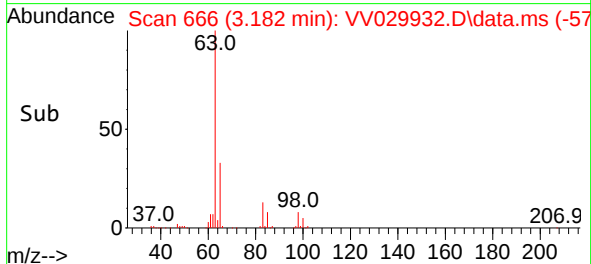
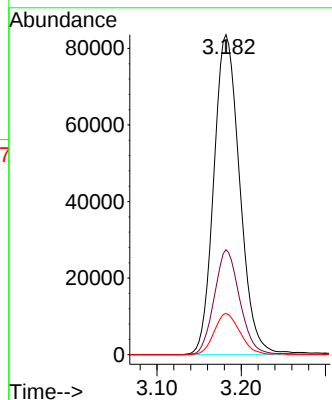
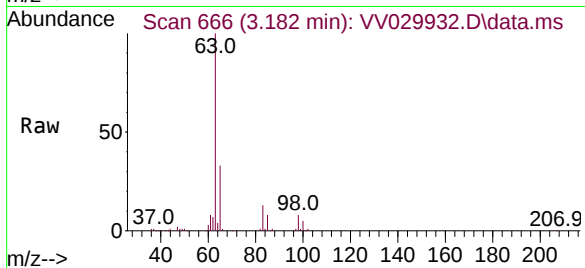
Tgt Ion: 63 Resp: 178182

Ion Ratio Lower Upper

63 100

65 32.8 22.4 41.6

83 12.9 10.2 19.0



#21

2-Butanone

Concen: 51.901 ug/L

RT: 3.989 min Scan# 917

Delta R.T. 0.023 min

Lab File: VV029932.D

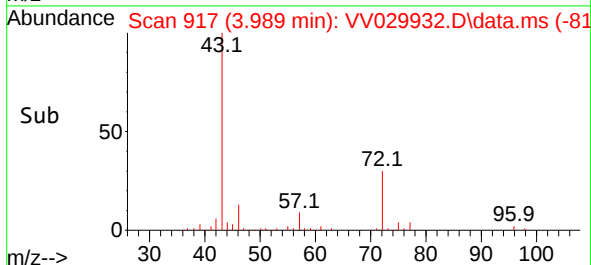
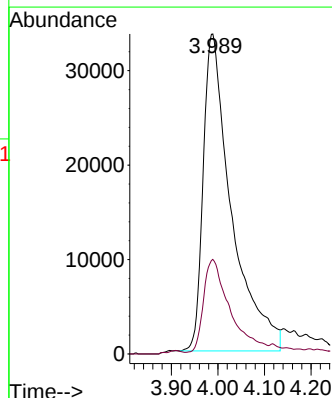
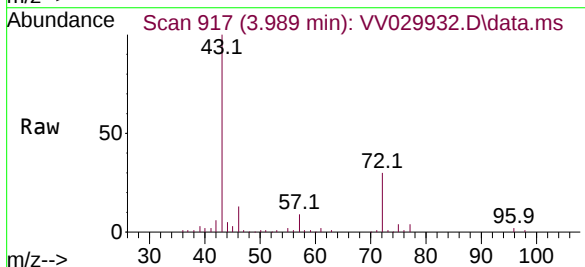
Acq: 24 Jan 2023 18:51

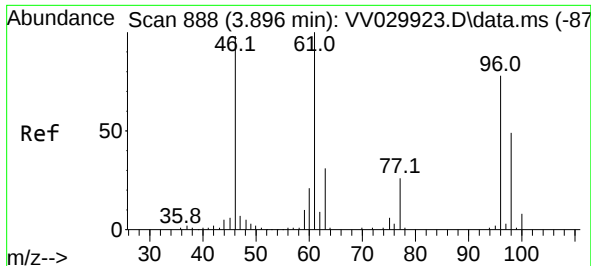
Tgt Ion: 43 Resp: 141326

Ion Ratio Lower Upper

43 100

72 27.5 13.9 41.6

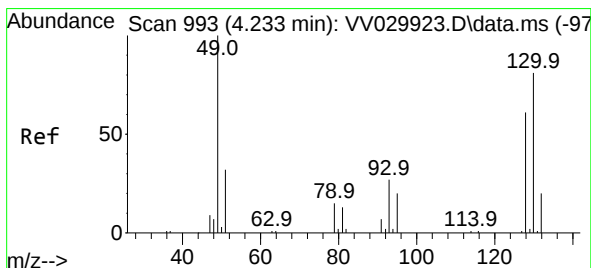
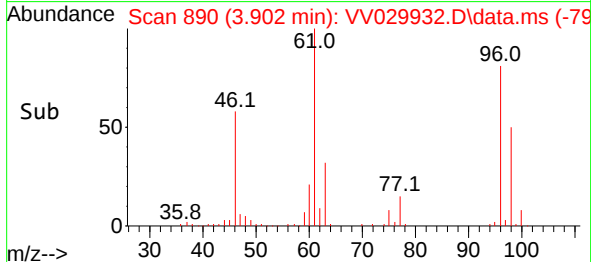
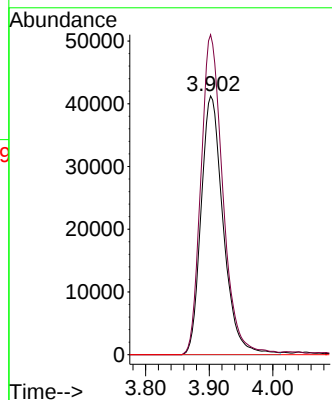
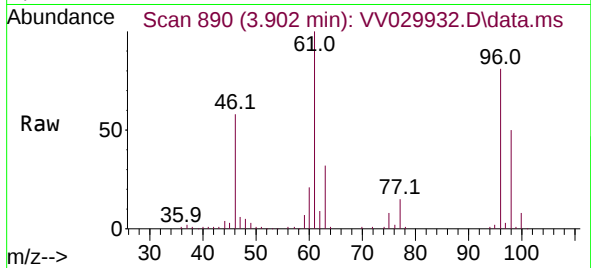




#22
 cis-1,2-Dichloroethene
 Concen: 5.945 ug/L
 RT: 3.902 min Scan# 890
 Delta R.T. 0.007 min
 Lab File: VV029932.D
 Acq: 24 Jan 2023 18:51

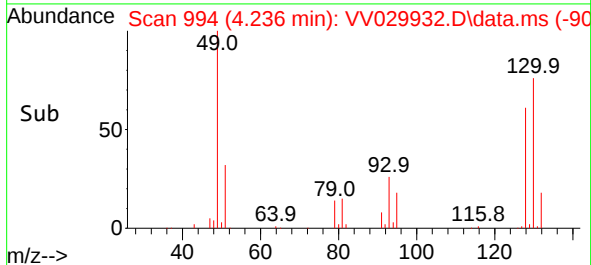
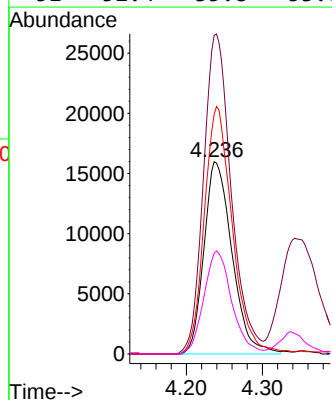
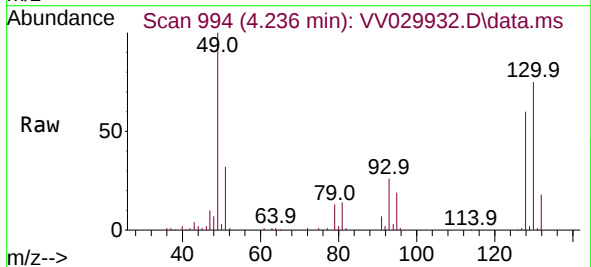
Instrument :
 MSVOA_V
 ClientSampleId :
 EX9G4MSD

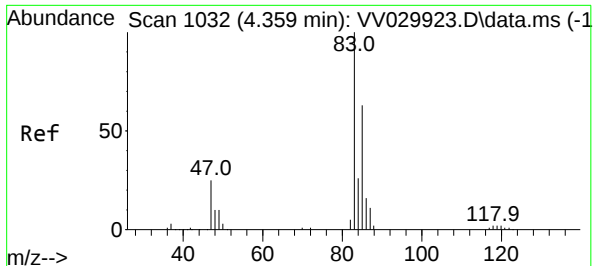
Tgt Ion: 96 Resp: 99613
 Ion Ratio Lower Upper
 96 100
 61 123.7 80.0 148.6
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.915 ug/L
 RT: 4.236 min Scan# 994
 Delta R.T. 0.003 min
 Lab File: VV029932.D
 Acq: 24 Jan 2023 18:51

Tgt Ion: 128 Resp: 40929
 Ion Ratio Lower Upper
 128 100
 49 165.8 91.2 169.4
 130 124.6 87.0 161.6
 51 52.4 35.8 53.6





#25

Chloroform

Concen: 6.036 ug/L

RT: 4.365 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

Instrument :

MSVOA_V

ClientSampleId :

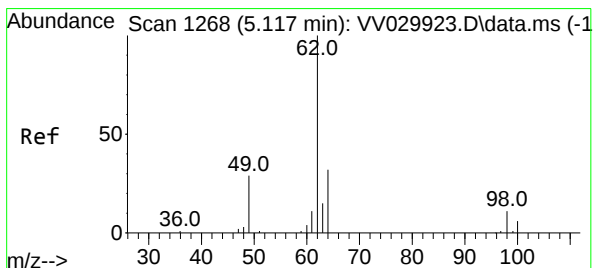
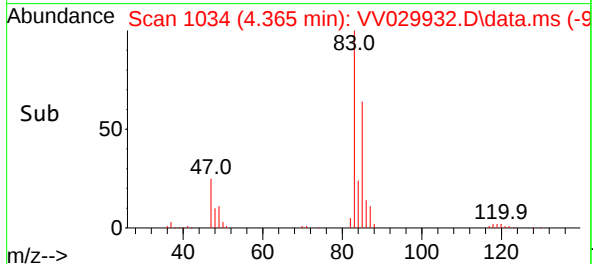
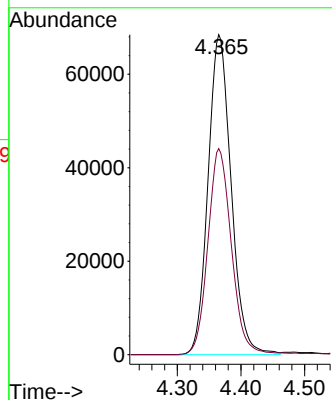
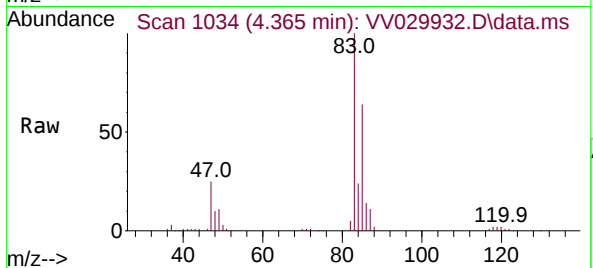
EX9G4MSD

Tgt Ion: 83 Resp: 172581

Ion Ratio Lower Upper

83 100

85 64.4 46.5 86.5



#27

1,2-Dichloroethane

Concen: 6.365 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. 0.007 min

Lab File: VV029932.D

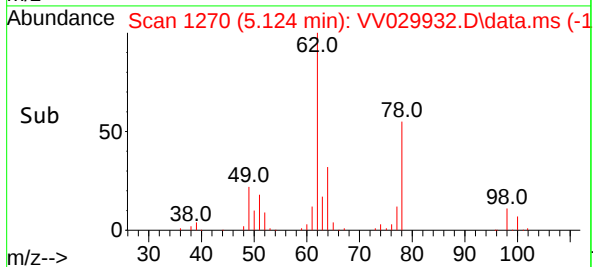
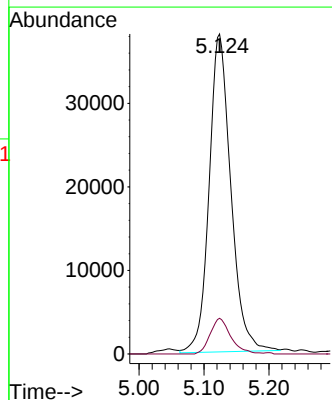
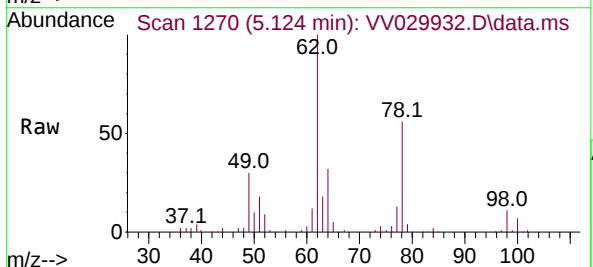
Acq: 24 Jan 2023 18:51

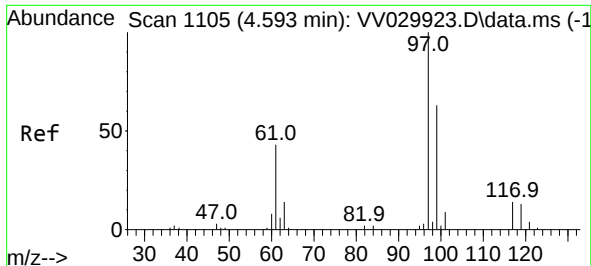
Tgt Ion: 62 Resp: 88422

Ion Ratio Lower Upper

62 100

98 11.1 8.9 13.3





#29

1,1,1-Trichloroethane

Concen: 5.479 ug/L

RT: 4.597 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

Instrument :

MSVOA_V

ClientSampleId :

EX9G4MSD

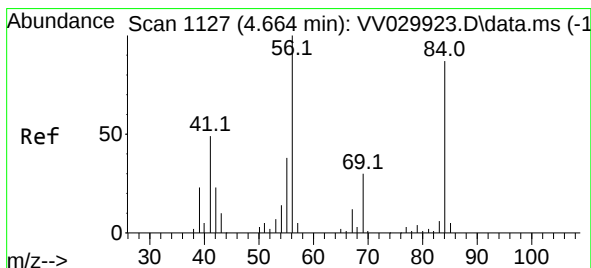
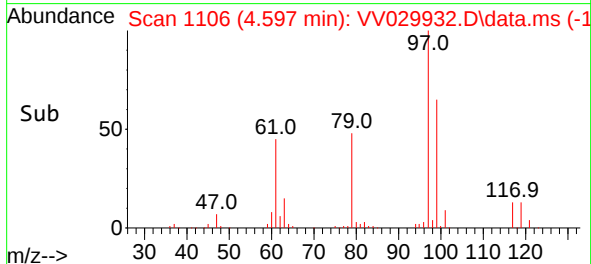
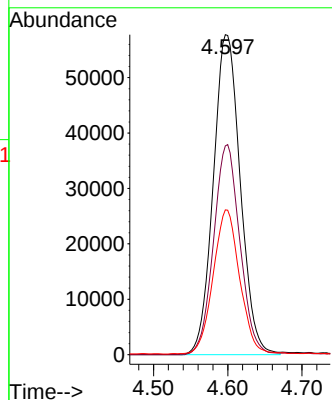
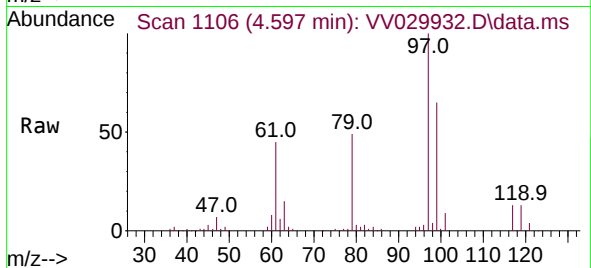
Tgt Ion: 97 Resp: 145861

Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

61 43.9 31.6 47.4



#30

Cyclohexane

Concen: 5.431 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. 0.003 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

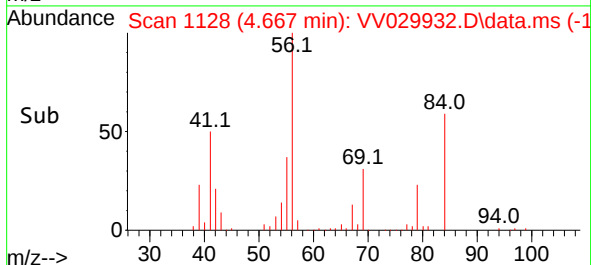
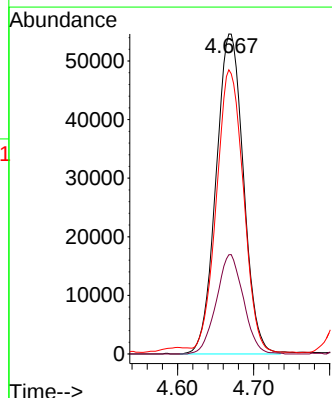
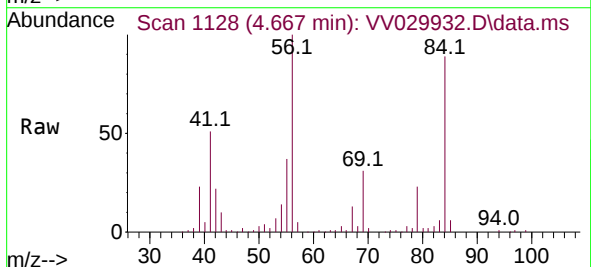
Tgt Ion: 56 Resp: 136882

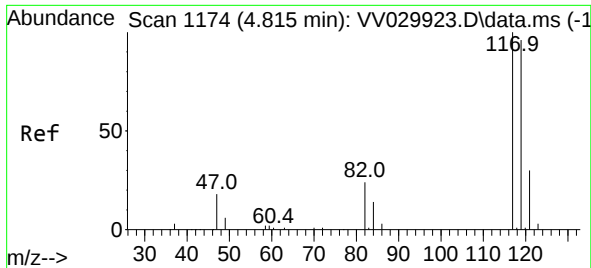
Ion Ratio Lower Upper

56 100

69 30.6 26.7 40.1

84 86.9 73.8 110.8

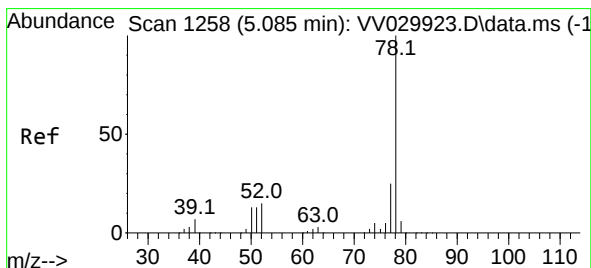
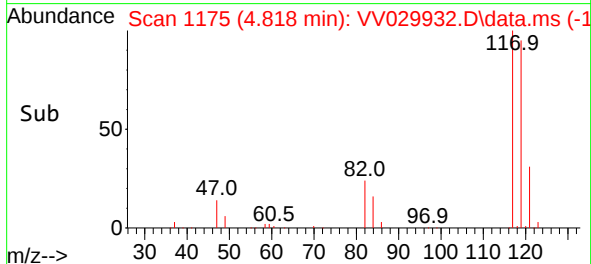
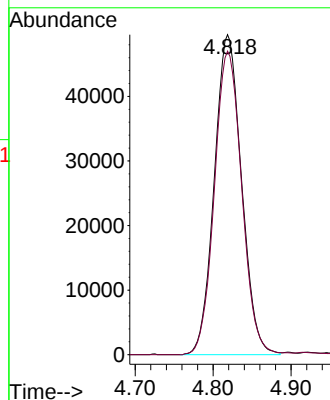
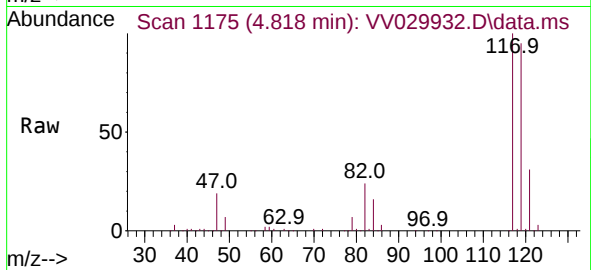




#31
Carbon tetrachloride
Concen: 5.186 ug/L
RT: 4.818 min Scan# 1174
Delta R.T. 0.003 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

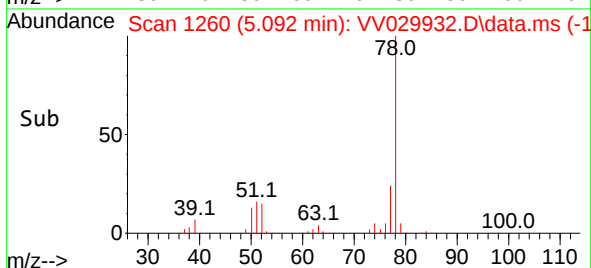
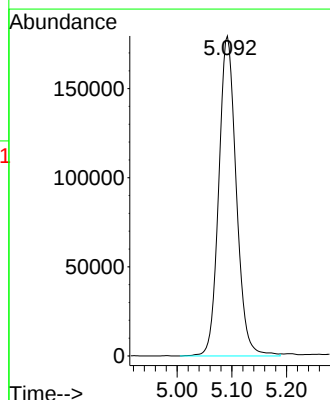
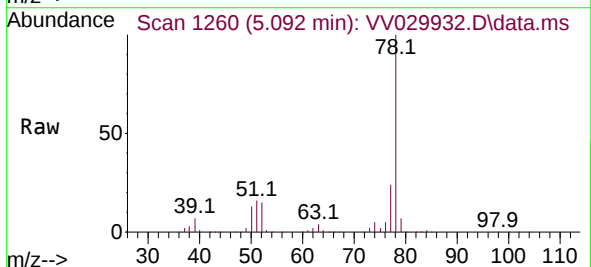
Instrument :
MSVOA_V
ClientSampleId :
EX9G4MSD

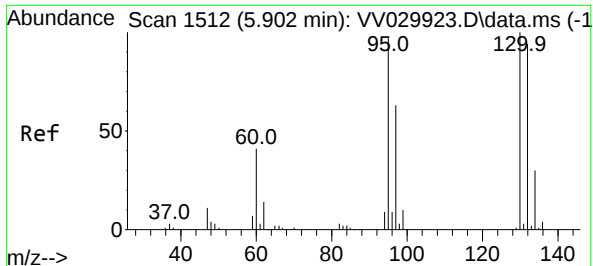
Tgt Ion:117 Resp: 120149
Ion Ratio Lower Upper
117 100
119 95.4 76.6 114.8



#33
Benzene
Concen: 5.885 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.007 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

Tgt Ion: 78 Resp: 398922

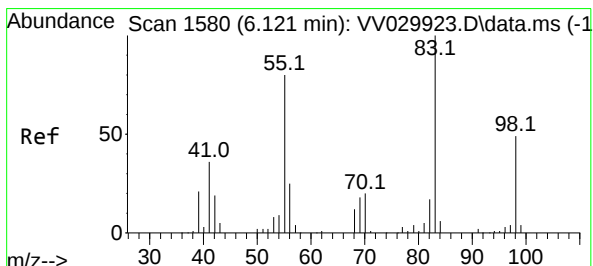
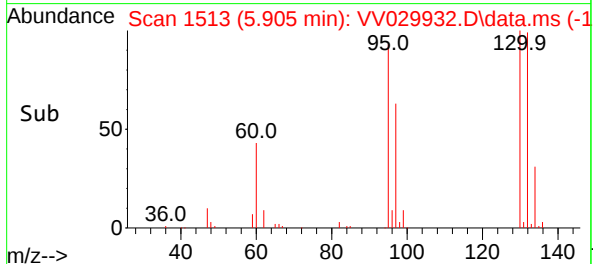
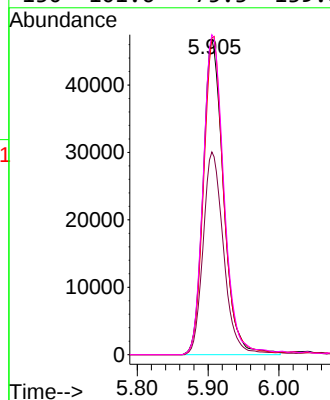
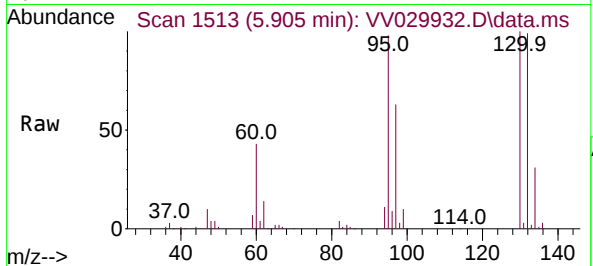




#34
Trichloroethene
Concen: 5.447 ug/L
RT: 5.905 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

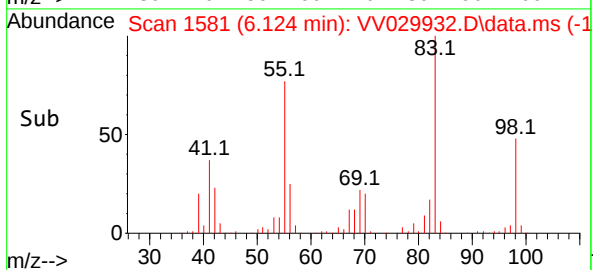
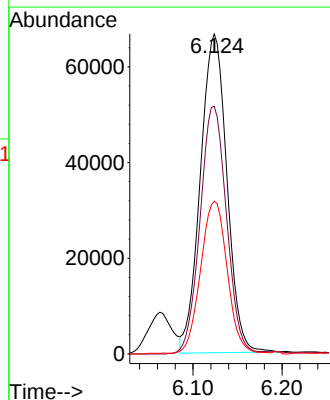
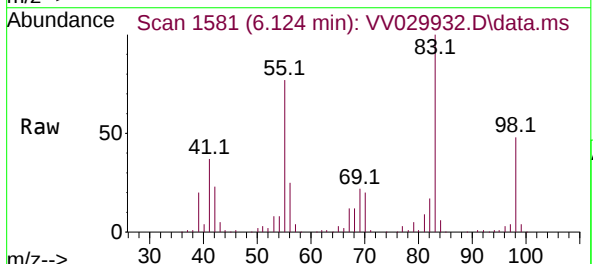
Instrument :
MSVOA_V
ClientSampleId :
EX9G4MSD

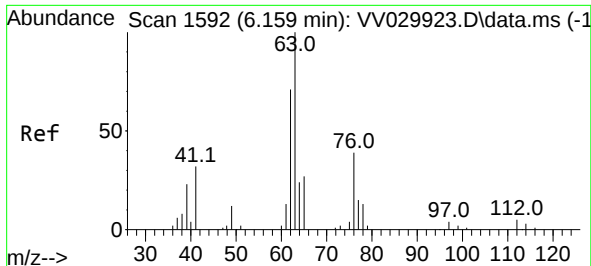
Tgt Ion: 95 Resp: 93580
Ion Ratio Lower Upper
95 100
97 64.4 44.9 83.3
132 100.6 71.8 133.4
130 101.6 75.3 139.8



#35
Methylcyclohexane
Concen: 4.756 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. 0.003 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

Tgt Ion: 83 Resp: 137956
Ion Ratio Lower Upper
83 100
55 78.3 57.3 85.9
98 47.6 39.0 58.6





#37

1,2-Dichloropropane

Concen: 6.421 ug/L

RT: 6.166 min Scan# 1594

Delta R.T. 0.007 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

Instrument :

MSVOA_V

ClientSampleId :

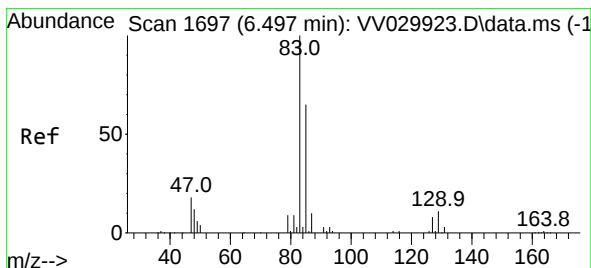
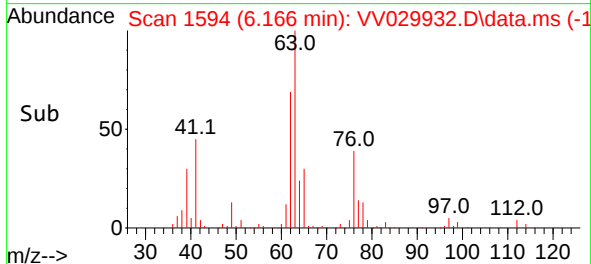
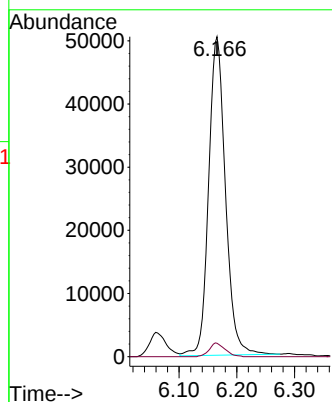
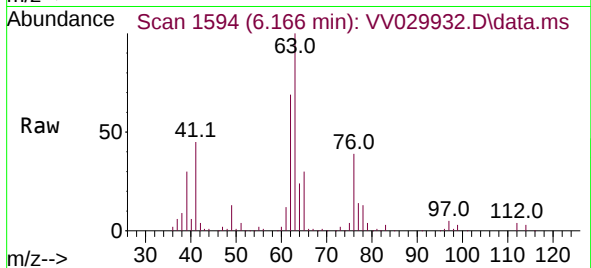
EX9G4MSD

Tgt Ion: 63 Resp: 101929

Ion Ratio Lower Upper

63 100

112 4.1 3.9 5.9



#38

Bromodichloromethane

Concen: 5.728 ug/L

RT: 6.500 min Scan# 1698

Delta R.T. 0.003 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

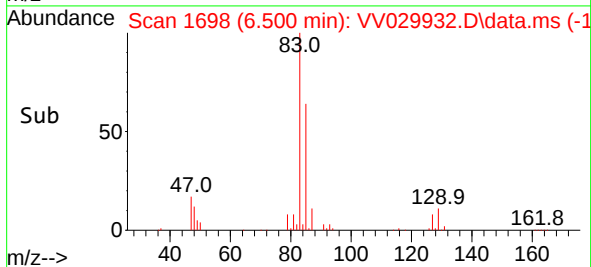
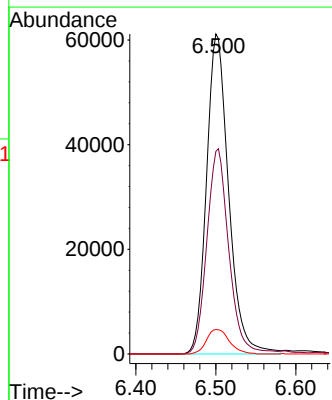
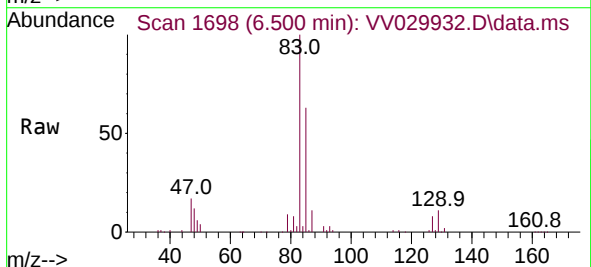
Tgt Ion: 83 Resp: 117608

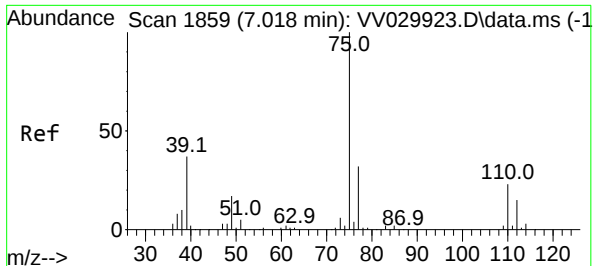
Ion Ratio Lower Upper

83 100

85 63.3 43.2 80.2

127 7.7 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.326 ug/L

RT: 7.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

Instrument :

MSVOA_V

ClientSampleId :

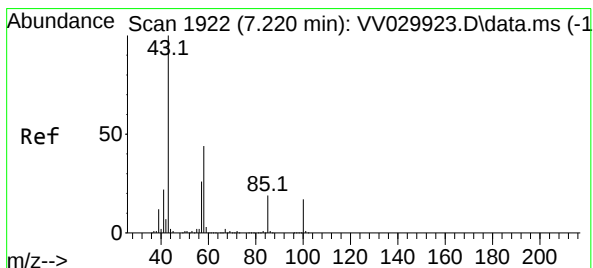
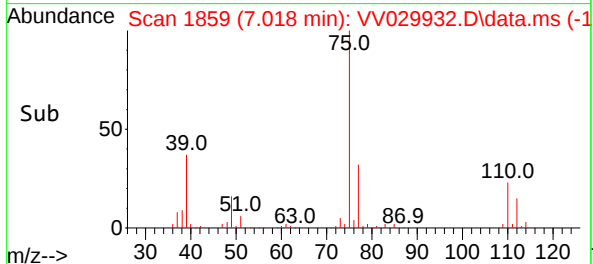
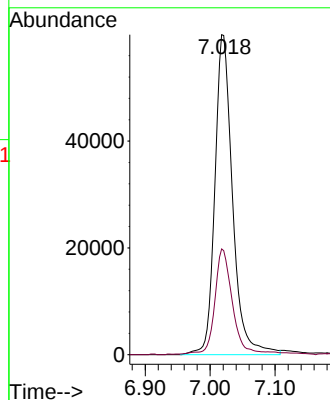
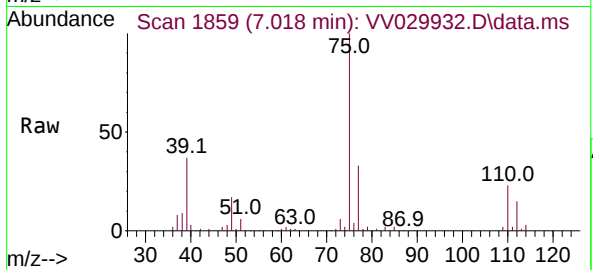
EX9G4MSD

Tgt Ion: 75 Resp: 113377

Ion Ratio Lower Upper

75 100

77 33.1 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 64.055 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.003 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

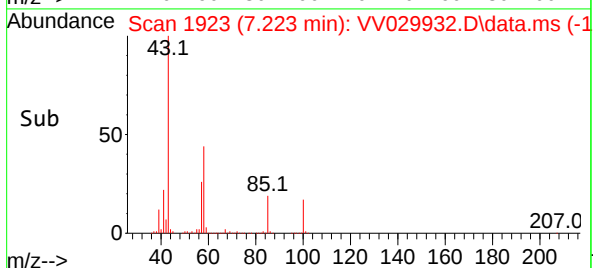
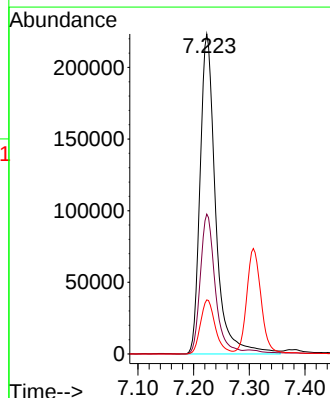
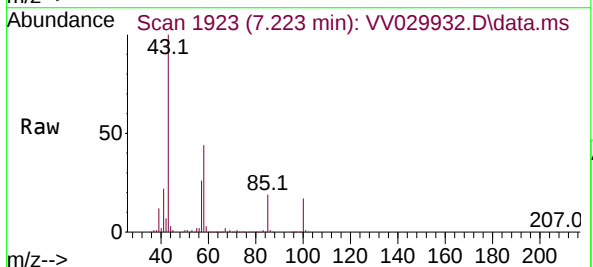
Tgt Ion: 43 Resp: 433966

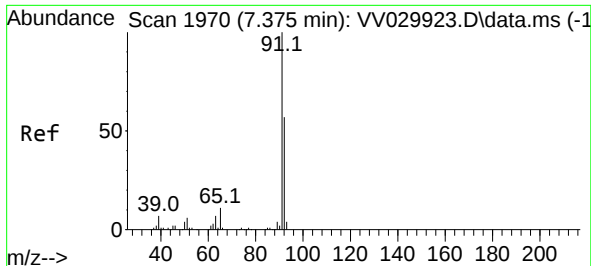
Ion Ratio Lower Upper

43 100

58 41.9 36.7 55.1

100 16.2 15.6 23.4





#42

Toluene

Concen: 5.740 ug/L

RT: 7.378 min Scan# 1970

Delta R.T. 0.003 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

Instrument :

MSVOA_V

ClientSampleId :

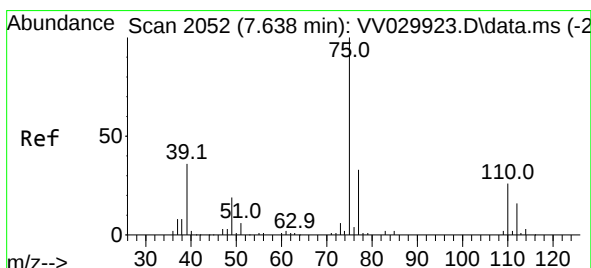
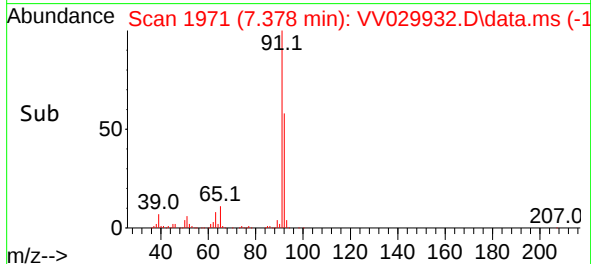
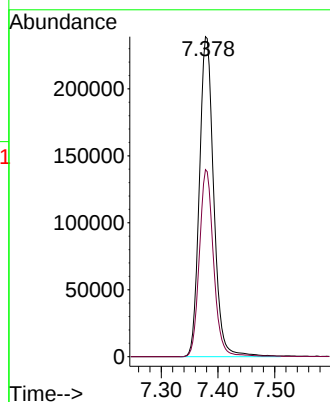
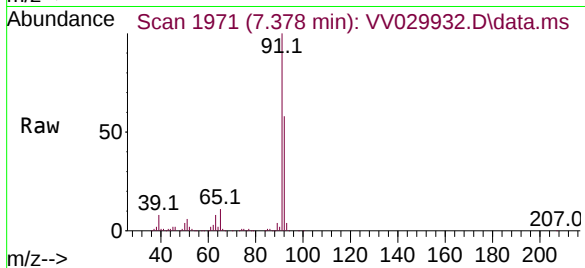
EX9G4MSD

Tgt Ion: 91 Resp: 419685

Ion Ratio Lower Upper

91 100

92 58.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.431 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. 0.003 min

Lab File: VV029932.D

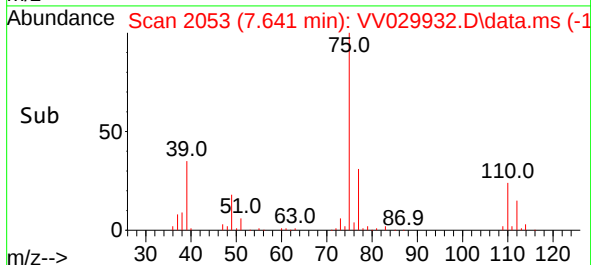
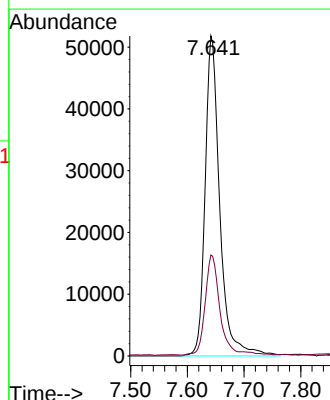
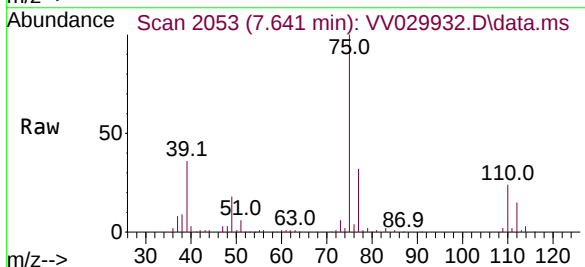
Acq: 24 Jan 2023 18:51

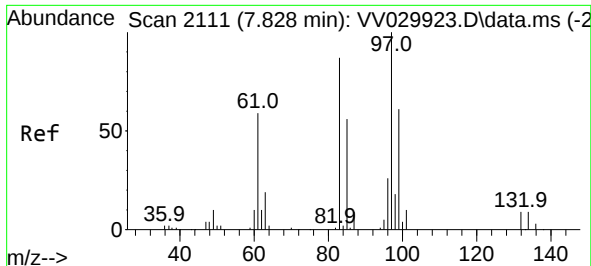
Tgt Ion: 75 Resp: 93170

Ion Ratio Lower Upper

75 100

77 31.6 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 5.598 ug/L

RT: 7.831 min Scan# 2111

Delta R.T. 0.003 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

Instrument :

MSVOA_V

ClientSampleId :

EX9G4MSD

Tgt Ion: 97 Resp: 64036

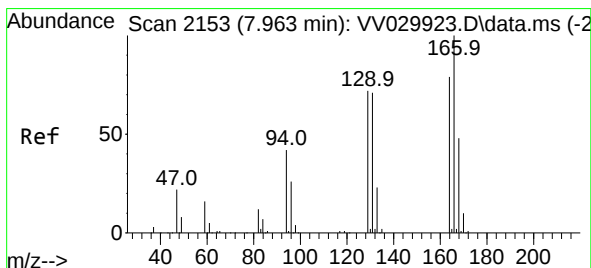
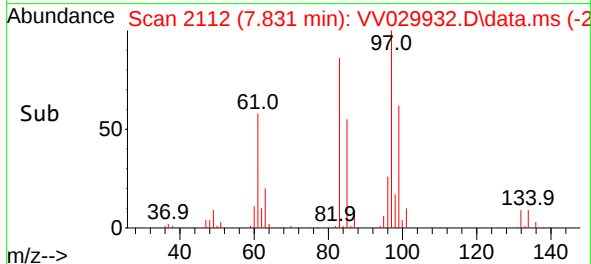
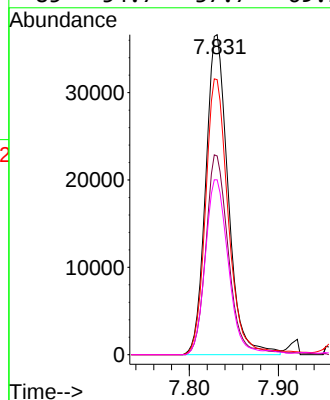
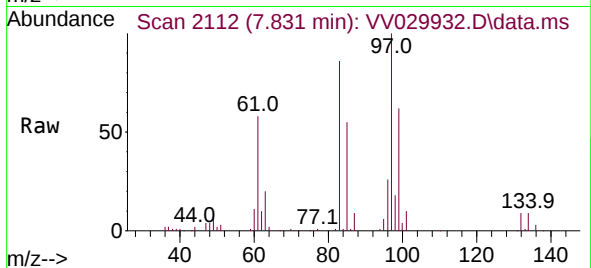
Ion Ratio Lower Upper

97 100

99 62.1 41.9 77.7

83 85.9 58.7 109.1

85 54.7 37.7 69.9



#47

Tetrachloroethene

Concen: 5.362 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. 0.003 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

Tgt Ion:164 Resp: 77557

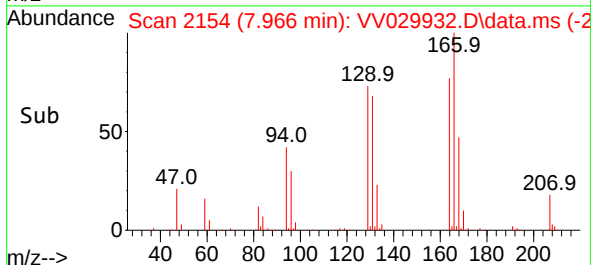
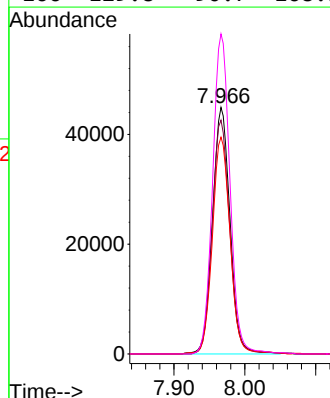
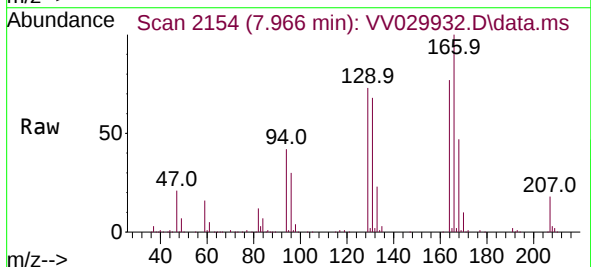
Ion Ratio Lower Upper

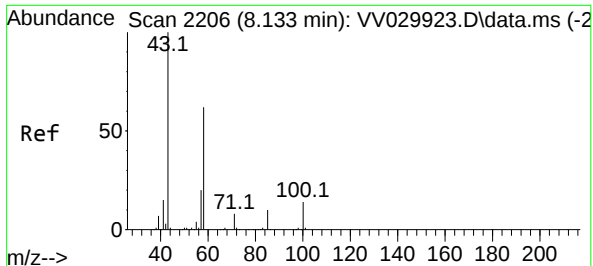
164 100

129 94.9 64.5 119.7

131 87.9 62.9 116.7

166 129.8 90.7 168.5

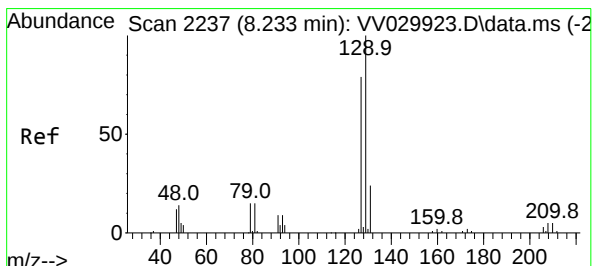
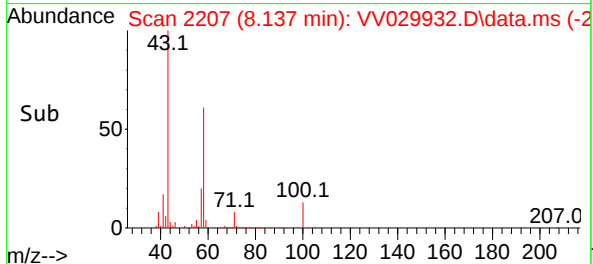
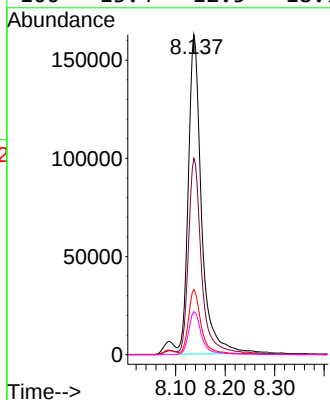
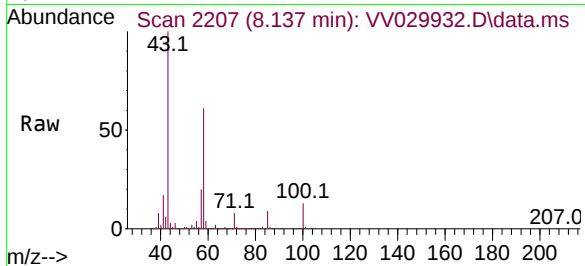




#48
2-Hexanone
Concen: 62.287 ug/L
RT: 8.137 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

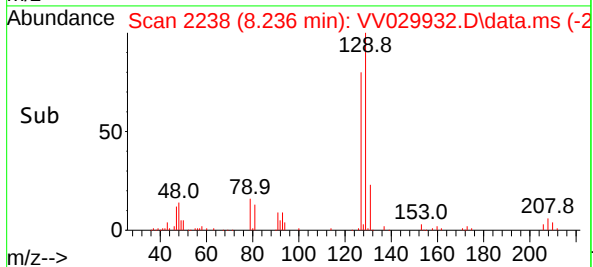
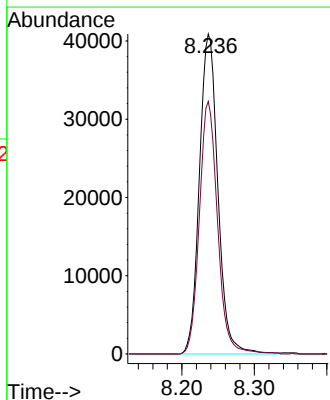
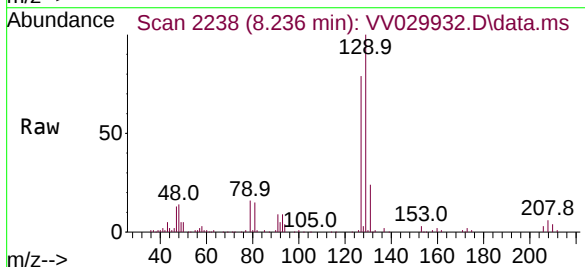
Instrument :
MSVOA_V
ClientSampleId :
EX9G4MSD

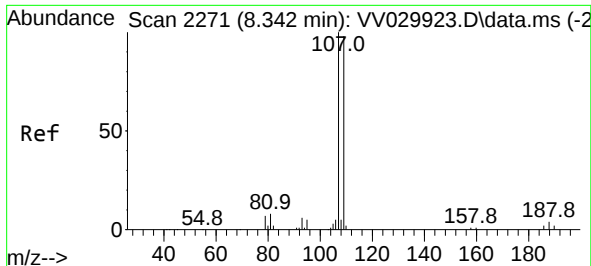
Tgt Ion: 43 Resp: 301619
Ion Ratio Lower Upper
43 100
58 59.1 51.4 77.2
57 19.2 17.0 25.6
100 13.4 12.5 18.7



#49
Dibromochloromethane
Concen: 5.392 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. 0.003 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

Tgt Ion: 129 Resp: 72376
Ion Ratio Lower Upper
129 100
127 78.9 54.1 100.5





#50

1,2-Dibromoethane

Concen: 5.657 ug/L

RT: 8.342 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

Instrument :

MSVOA_V

ClientSampleId :

EX9G4MSD

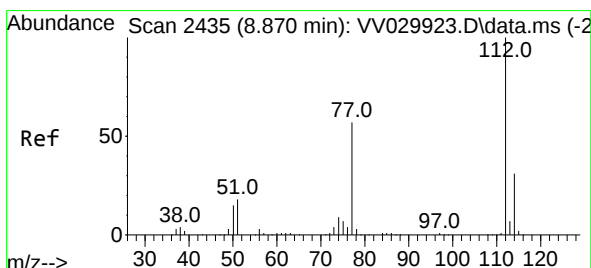
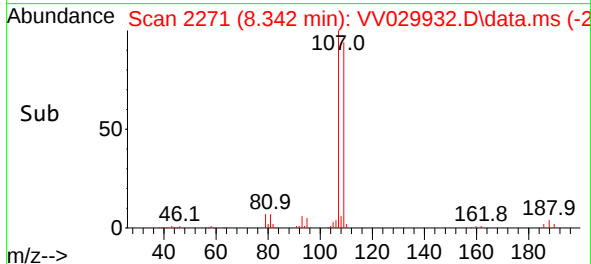
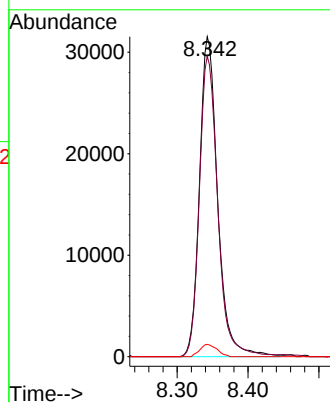
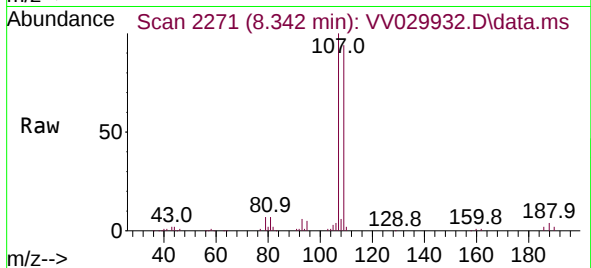
Tgt Ion:107 Resp: 56170

Ion Ratio Lower Upper

107 100

109 94.0 66.1 122.7

188 3.9 2.9 4.3



#51

Chlorobenzene

Concen: 5.656 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. 0.003 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

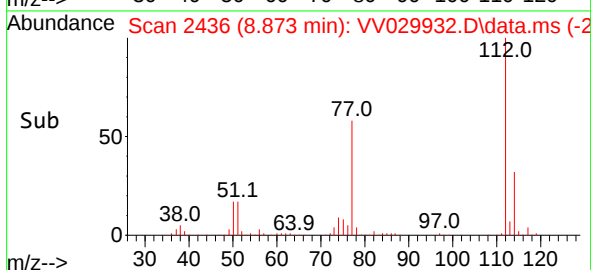
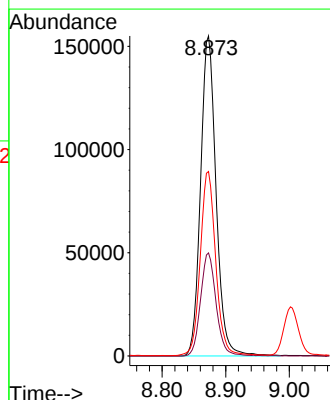
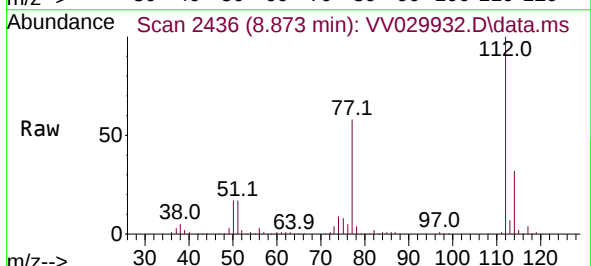
Tgt Ion:112 Resp: 262581

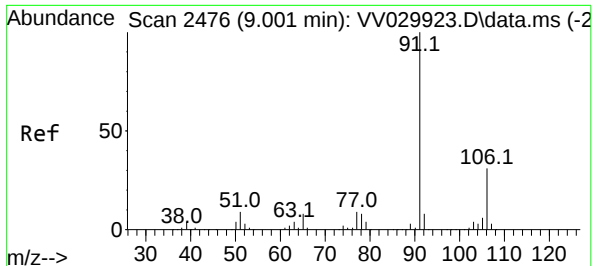
Ion Ratio Lower Upper

112 100

114 32.2 22.5 41.9

77 57.6 46.1 69.1





#52

Ethylbenzene

Concen: 5.561 ug/L

RT: 9.002 min Scan# 2476

Delta R.T. 0.000 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

Instrument :

MSVOA_V

ClientSampleId :

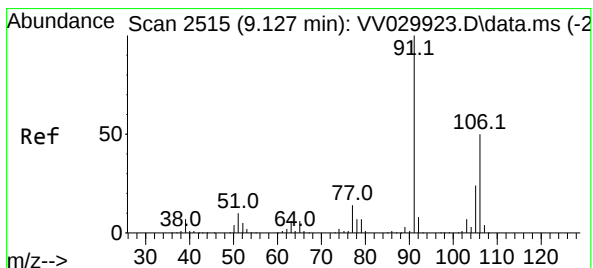
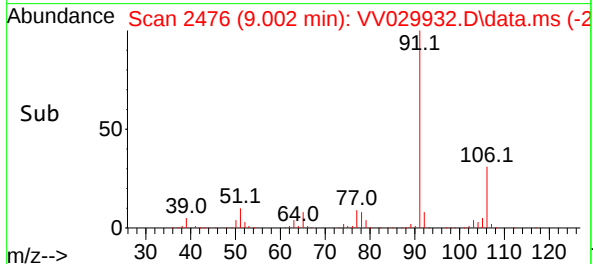
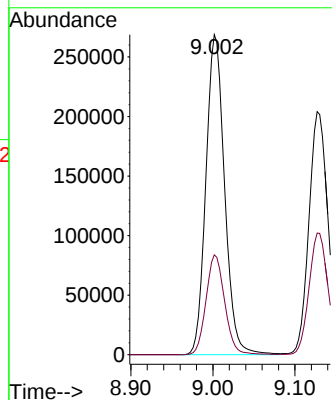
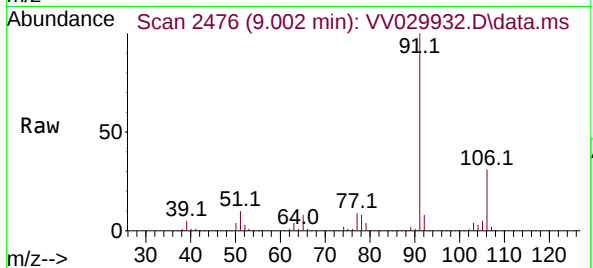
EX9G4MSD

Tgt Ion: 91 Resp: 425546

Ion Ratio Lower Upper

91 100

106 31.2 21.9 40.7



#53

m,p-Xylene

Concen: 5.524 ug/L

RT: 9.127 min Scan# 2515

Delta R.T. 0.000 min

Lab File: VV029932.D

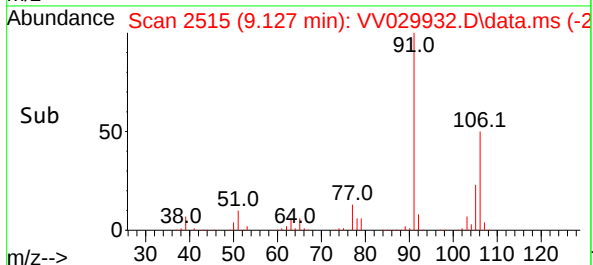
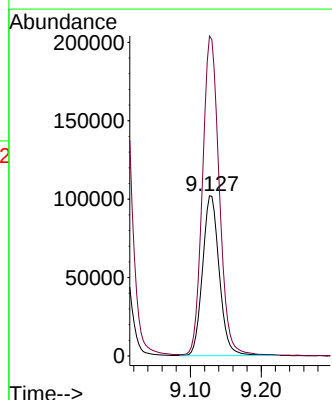
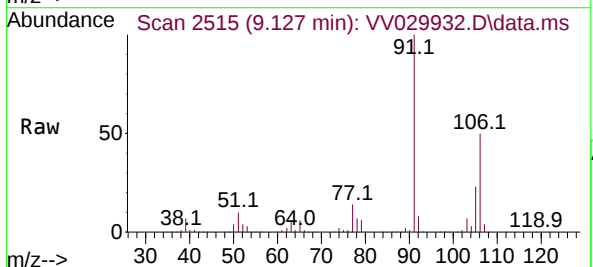
Acq: 24 Jan 2023 18:51

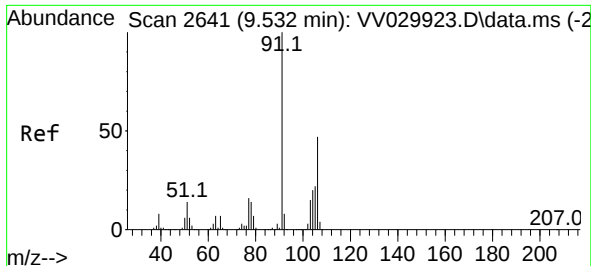
Tgt Ion: 106 Resp: 167307

Ion Ratio Lower Upper

106 100

91 199.7 138.7 257.7

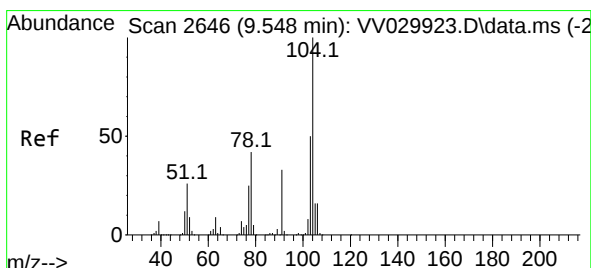
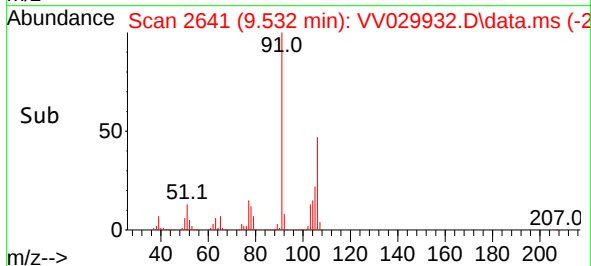
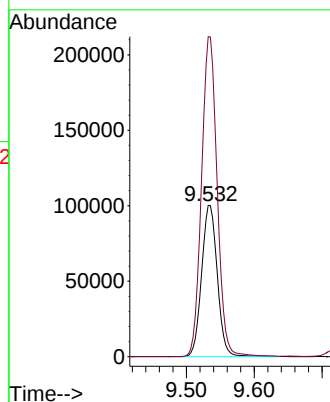
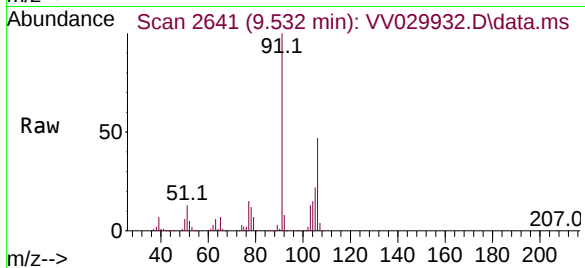




#54
o-Xylene
Concen: 5.591 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. 0.000 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

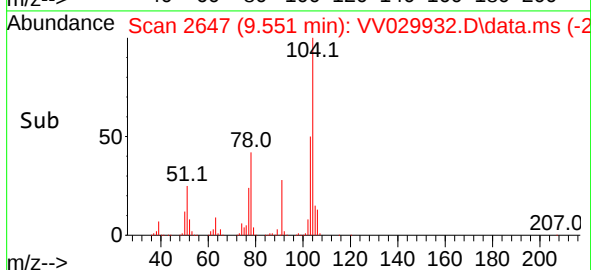
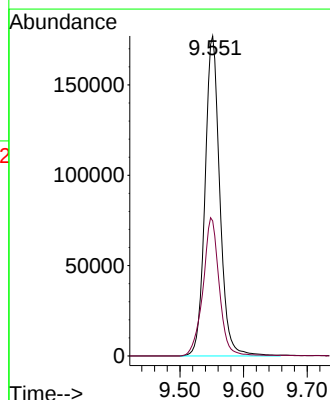
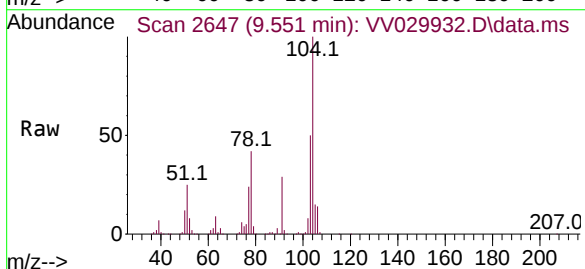
Instrument :
MSVOA_V
ClientSampleId :
EX9G4MSD

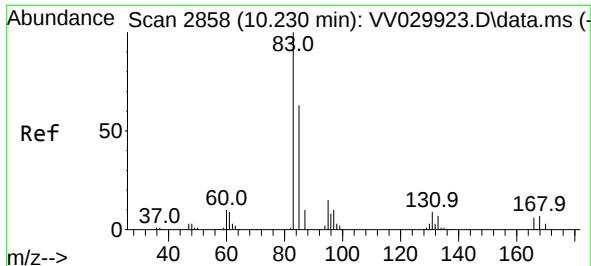
Tgt Ion:106 Resp: 160709
Ion Ratio Lower Upper
106 100
91 211.4 147.7 274.3



#55
Styrene
Concen: 5.778 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.003 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

Tgt Ion:104 Resp: 285640
Ion Ratio Lower Upper
104 100
78 42.2 28.6 53.2





#57

1,1,2,2-Tetrachloroethane

Concen: 6.260 ug/L

RT: 10.230 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

Instrument :

MSVOA_V

ClientSampleId :

EX9G4MSD

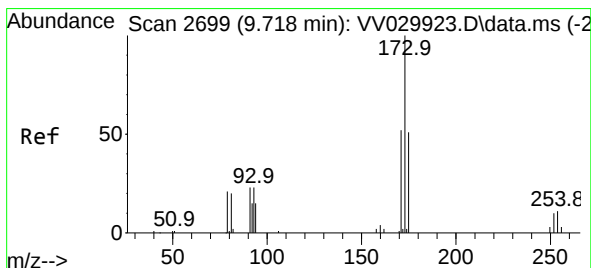
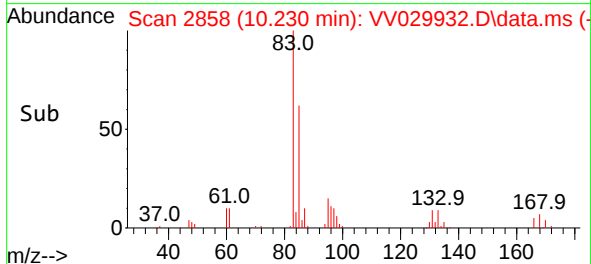
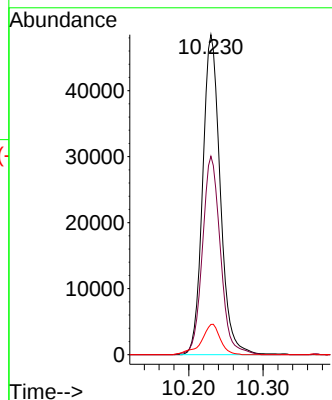
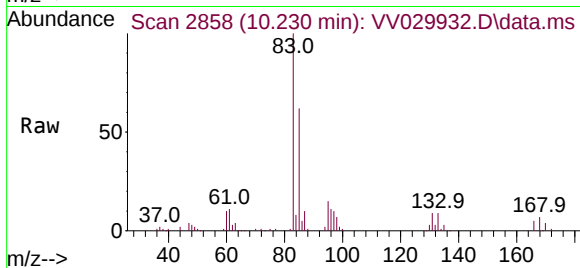
Tgt Ion: 83 Resp: 79537

Ion Ratio Lower Upper

83 100

85 62.0 46.0 85.4

131 9.5 8.4 12.6



#59

Bromoform

Concen: 4.339 ug/L

RT: 9.722 min Scan# 2700

Delta R.T. 0.003 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

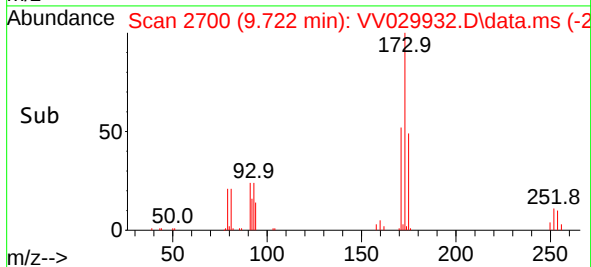
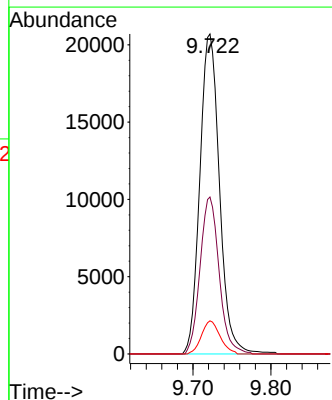
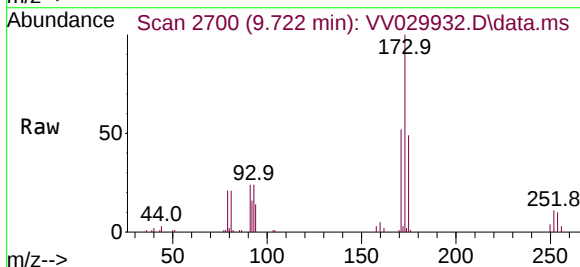
Tgt Ion: 173 Resp: 36280

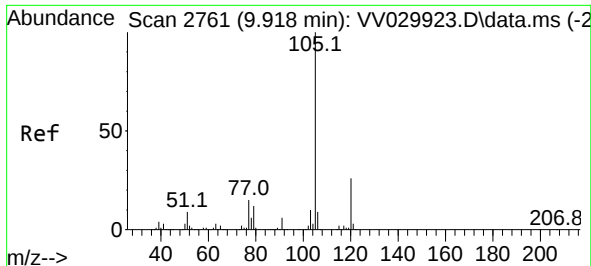
Ion Ratio Lower Upper

173 100

175 47.5 38.6 57.8

254 9.8 7.9 11.9

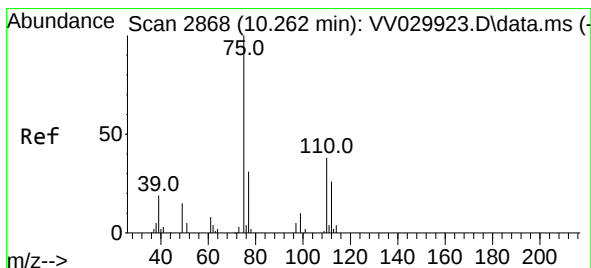
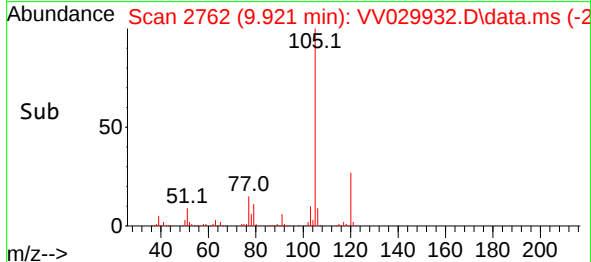
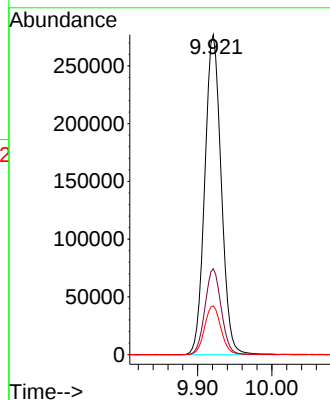
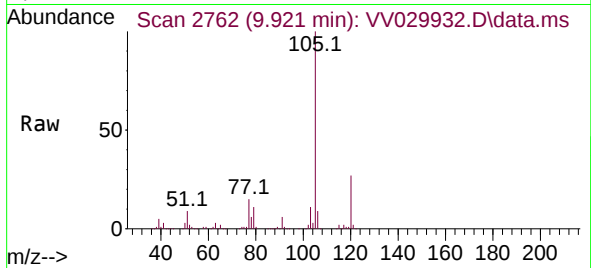




#60
Isopropylbenzene
Concen: 5.158 ug/L
RT: 9.921 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

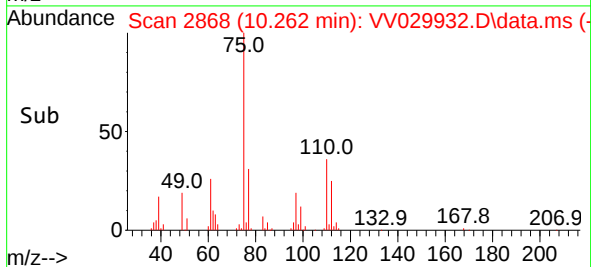
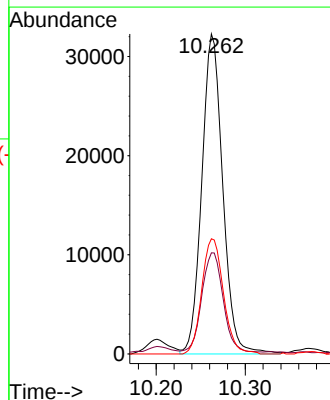
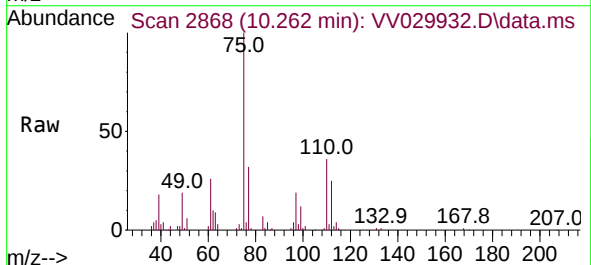
Instrument :
MSVOA_V
ClientSampleId :
EX9G4MSD

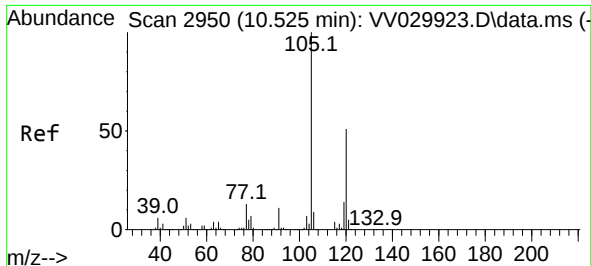
Tgt Ion:105 Resp: 425581
Ion Ratio Lower Upper
105 100
120 26.6 21.2 31.8
77 15.5 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.519 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. 0.000 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

Tgt Ion: 75 Resp: 52753
Ion Ratio Lower Upper
75 100
77 31.3 26.5 39.7
110 37.1 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 4.972 ug/L

RT: 10.529 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

Instrument :

MSVOA_V

ClientSampleId :

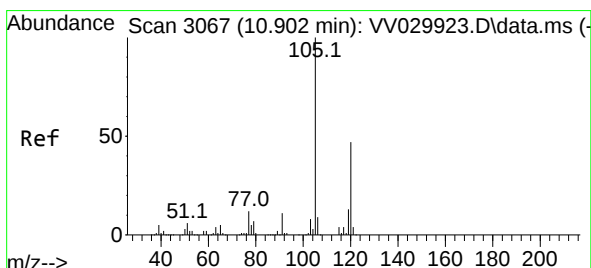
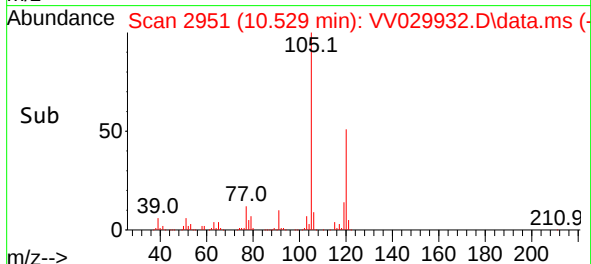
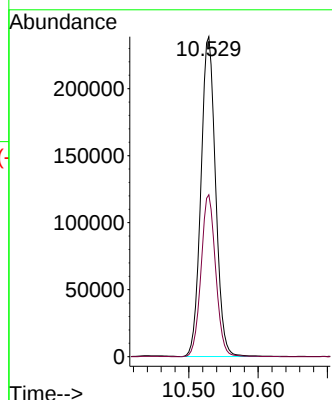
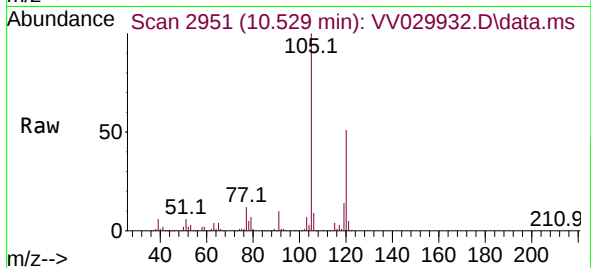
EX9G4MSD

Tgt Ion:105 Resp: 351571

Ion Ratio Lower Upper

105 100

120 50.5 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 5.043 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. 0.000 min

Lab File: VV029932.D

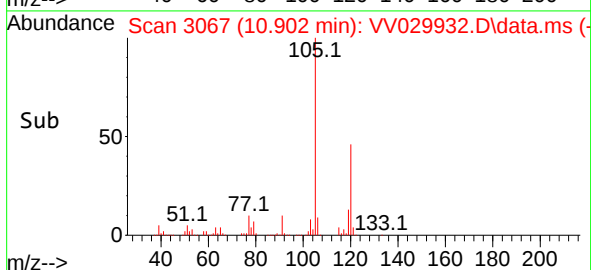
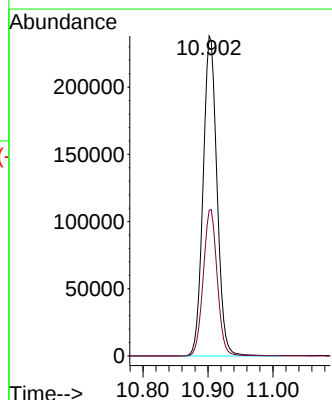
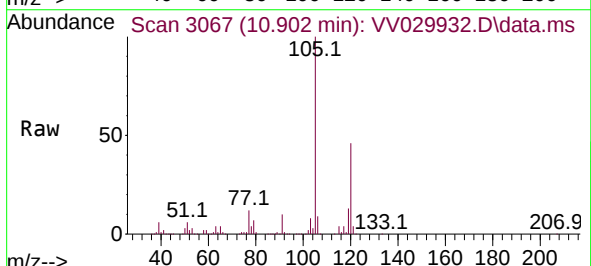
Acq: 24 Jan 2023 18:51

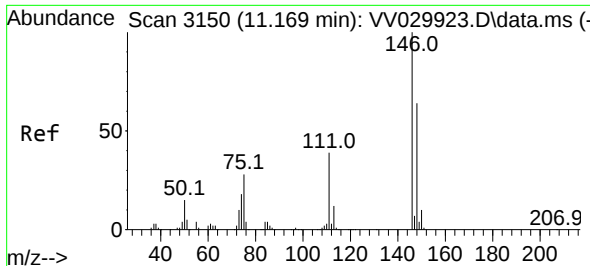
Tgt Ion:105 Resp: 355547

Ion Ratio Lower Upper

105 100

120 45.9 37.4 56.0

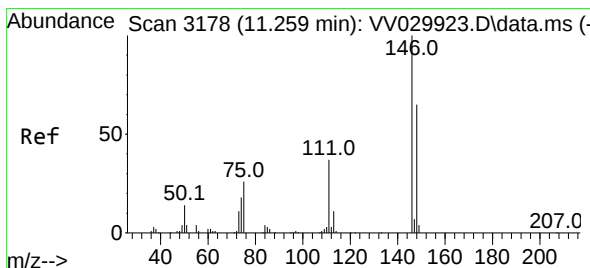
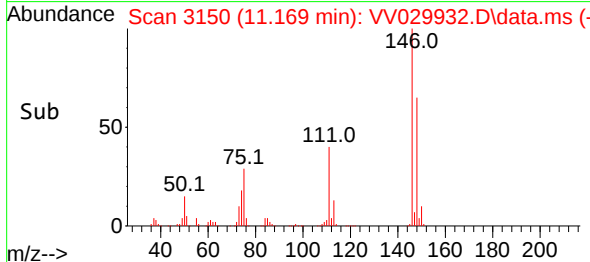
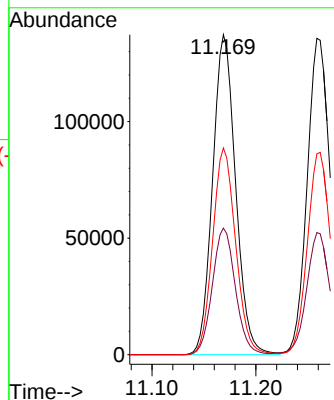
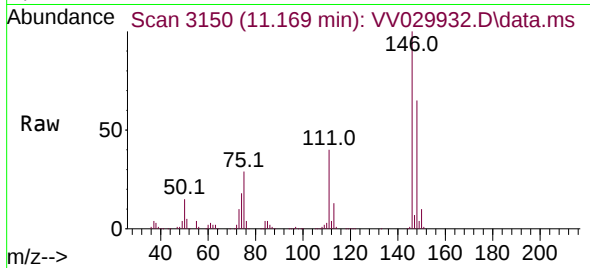




#64
1,3-Dichlorobenzene
Concen: 5.040 ug/L
RT: 11.169 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

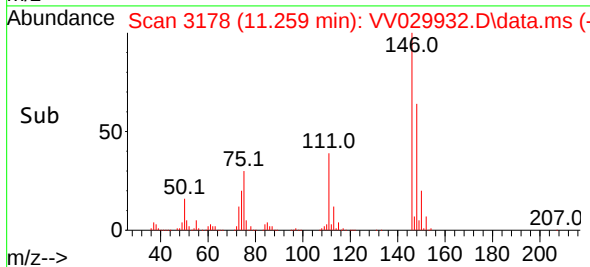
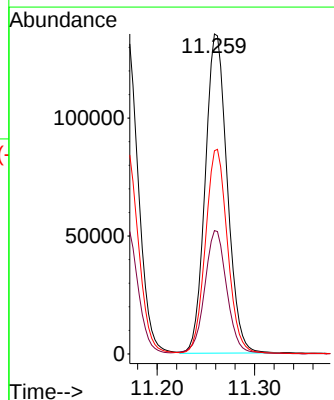
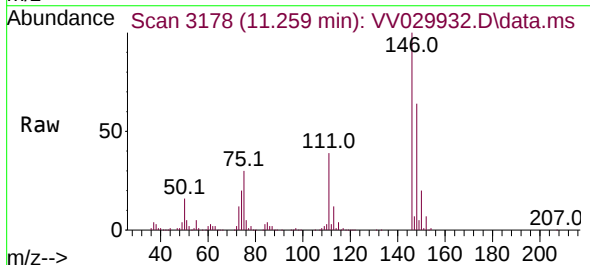
Instrument :
MSVOA_V
ClientSampleId :
EX9G4MSD

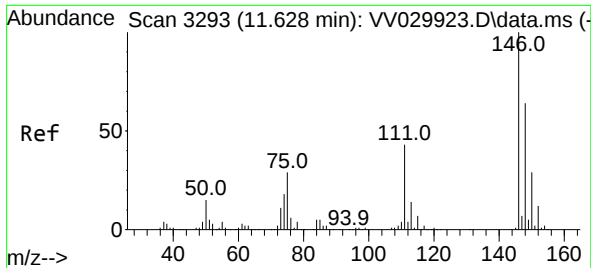
Tgt Ion:146 Resp: 211191
Ion Ratio Lower Upper
146 100
111 39.6 27.2 50.6
148 64.6 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 5.087 ug/L
RT: 11.259 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

Tgt Ion:146 Resp: 212476
Ion Ratio Lower Upper
146 100
111 38.6 26.5 49.1
148 63.5 45.8 85.2

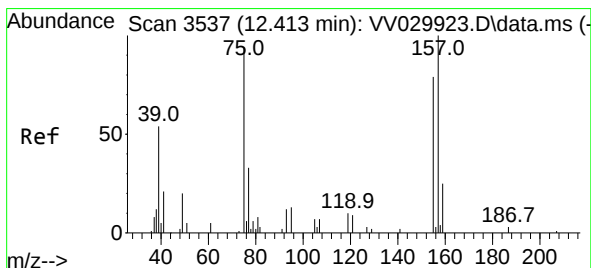
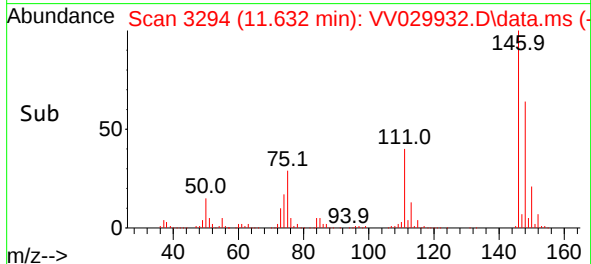
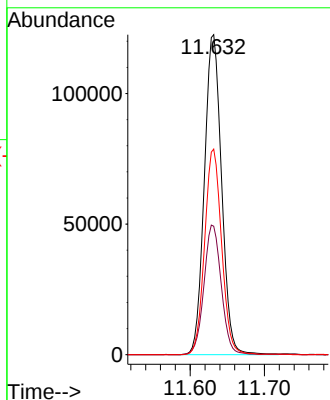
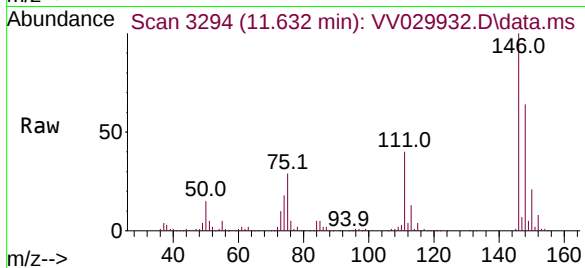




#67
1,2-Dichlorobenzene
Concen: 5.236 ug/L
RT: 11.632 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

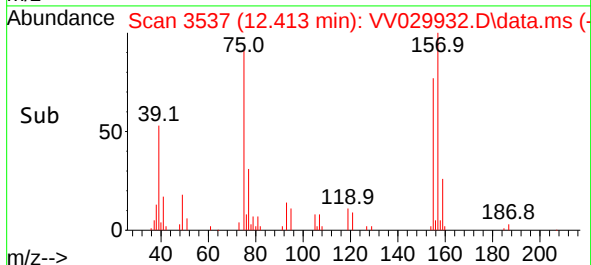
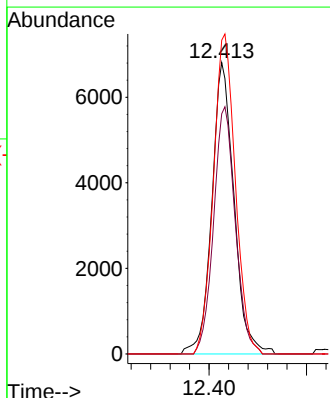
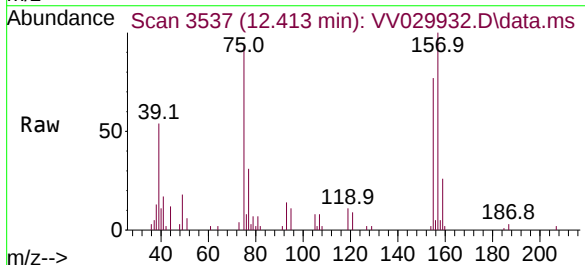
Instrument :
MSVOA_V
ClientSampleId :
EX9G4MSD

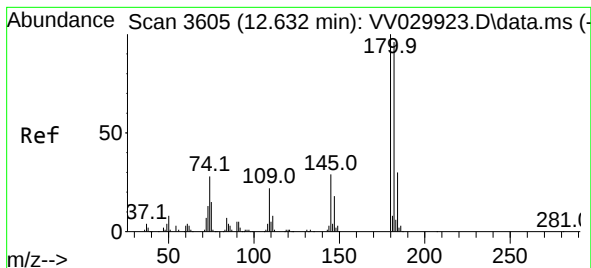
Tgt Ion:146 Resp: 197229
Ion Ratio Lower Upper
146 100
111 40.1 31.8 47.8
148 64.2 51.4 77.0



#68
1,2-Dibromo-3-chloropropane
Concen: 4.754 ug/L
RT: 12.413 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VV029932.D
Acq: 24 Jan 2023 18:51

Tgt Ion: 75 Resp: 10745
Ion Ratio Lower Upper
75 100
155 82.4 75.5 113.3
157 107.6 99.2 148.8





#69

1,3,5-Trichlorobenzene

Concen: 4.865 ug/L

RT: 12.632 min Scan# 3605

Delta R.T. 0.000 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

Instrument :

MSVOA_V

ClientSampleId :

EX9G4MSD

Tgt Ion:180 Resp: 164064

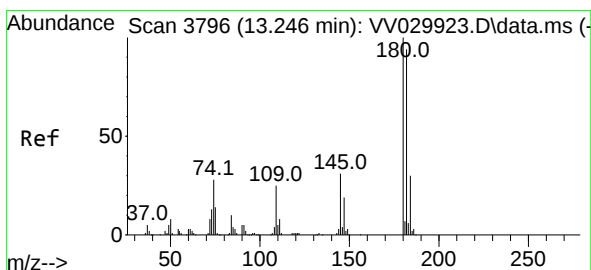
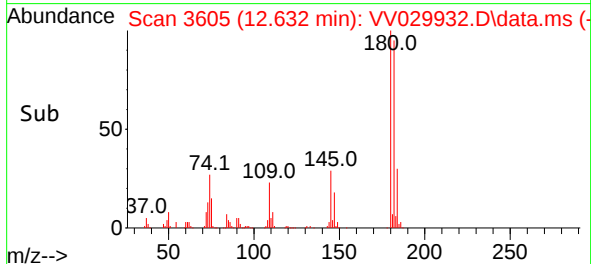
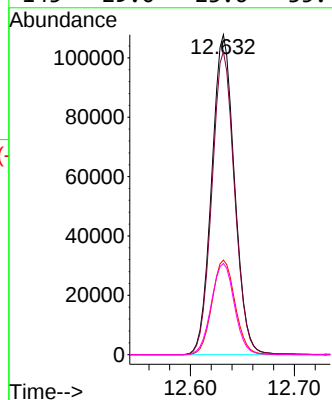
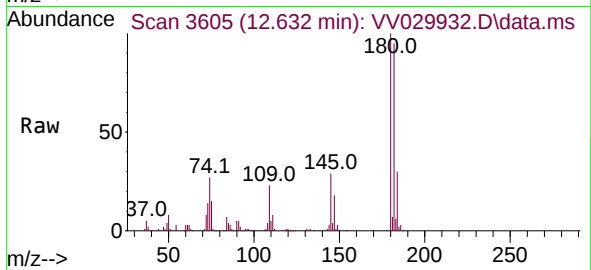
Ion Ratio Lower Upper

180 100

182 94.4 75.4 113.2

184 29.9 23.9 35.9

145 29.0 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 5.065 ug/L

RT: 13.246 min Scan# 3796

Delta R.T. 0.000 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

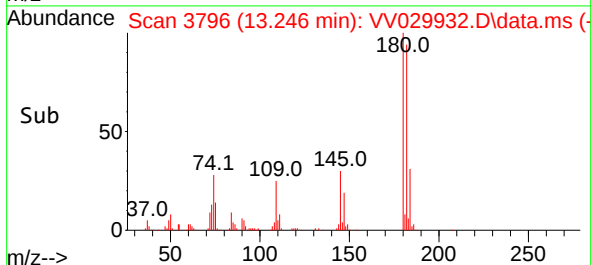
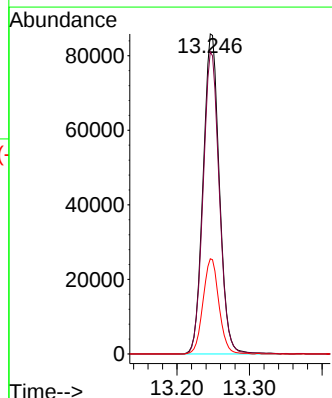
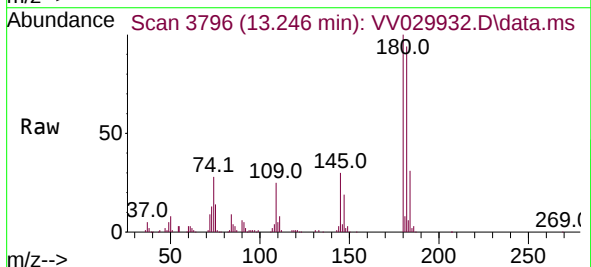
Tgt Ion:180 Resp: 133479

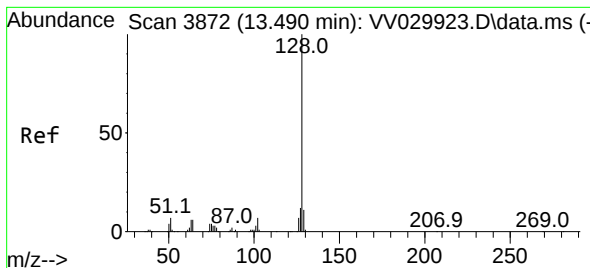
Ion Ratio Lower Upper

180 100

182 94.3 75.8 113.8

145 29.1 23.7 35.5





#71

Naphthalene

Concen: 5.766 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. 0.000 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

Instrument :

MSVOA_V

ClientSampleId :

EX9G4MSD

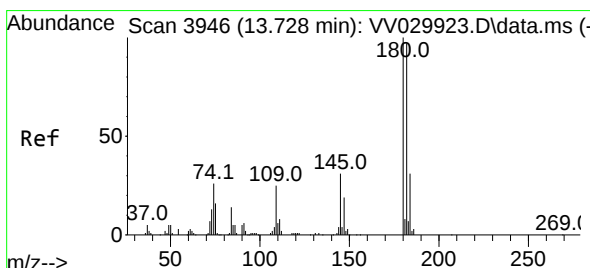
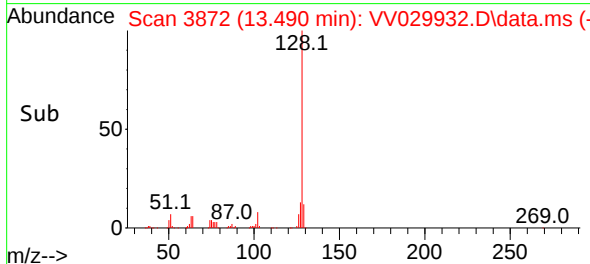
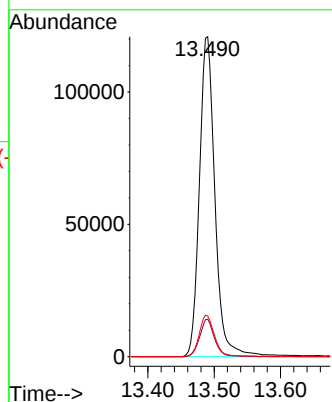
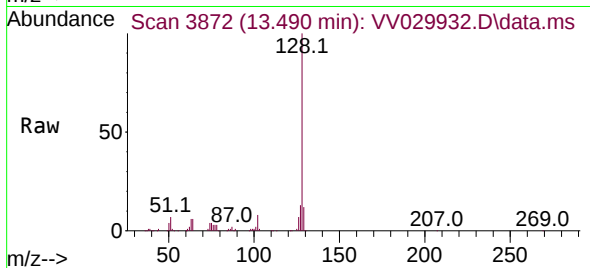
Tgt Ion:128 Resp: 196877

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

127 12.9 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 5.553 ug/L

RT: 13.728 min Scan# 3946

Delta R.T. 0.000 min

Lab File: VV029932.D

Acq: 24 Jan 2023 18:51

Tgt Ion:180 Resp: 121468

Ion Ratio Lower Upper

180 100

182 92.9 75.5 113.3

145 31.4 25.0 37.6

