

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW122022\
 Data File : VW029737.D
 Acq On : 20 Dec 2022 09:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050393

Quant Time: Dec 21 00:11:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 20 00:50:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	482756	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	451276	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	256180	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	147903	50.032	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.060%
7) Chloroethane-d5	1.564	69	121384	53.848	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.700%
11) 1,1-Dichloroethene-d2	2.105	63	259455	56.270	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	112.540%
21) 2-Butanone-d5	3.870	46	169814	94.165	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.170%
24) Chloroform-d	4.336	84	265881	47.795	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.580%
26) 1,2-Dichloroethane-d4	5.021	65	150441	47.350	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.700%
32) Benzene-d6	5.040	84	556260	46.649	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.300%
36) 1,2-Dichloropropane-d6	6.059	67	169312	46.485	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.960%
41) Toluene-d8	7.307	98	515569	45.888	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.780%
43) trans-1,3-Dichloroprop...	7.612	79	72223	39.268	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.540%
47) 2-Hexanone-d5	8.082	63	136659	87.864	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.860%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	237652	45.660	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.320%
66) 1,2-Dichlorobenzene-d4	11.612	152	209353	42.929	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.860%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	175185	46.070	ug/L	100
3) Chloromethane	1.240	50	206369	47.600	ug/L	99
5) Vinyl chloride	1.310	62	196988	54.306	ug/L	99
6) Bromomethane	1.519	94	93151	63.821	ug/L	99
8) Chloroethane	1.581	64	120715	59.765	ug/L	100
9) Trichlorofluoromethane	1.751	101	243468	53.616	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	141092	55.917	ug/L	97
12) 1,1-Dichloroethene	2.114	96	139529	54.072	ug/L	87
13) Acetone	2.163	43	121415	103.350	ug/L	98
14) Carbon disulfide	2.291	76	399809	46.554	ug/L	99
15) Methyl Acetate	2.423	43	145230	54.260	ug/L	95
16) Methylene chloride	2.500	84	172950	53.905	ug/L	94
17) trans-1,2-Dichloroethene	2.754	96	151008	50.789	ug/L	96
18) Methyl tert-butyl Ether	2.761	73	472173	51.833	ug/L	99
19) 1,1-Dichloroethane	3.182	63	273491	53.693	ug/L	99
20) cis-1,2-Dichloroethene	3.899	96	166116	50.808	ug/L	95
22) 2-Butanone	3.953	43	195681	104.681	ug/L	98
23) Bromochloromethane	4.236	128	88596	52.625	ug/L	92
25) Chloroform	4.362	83	278561	52.751	ug/L	98

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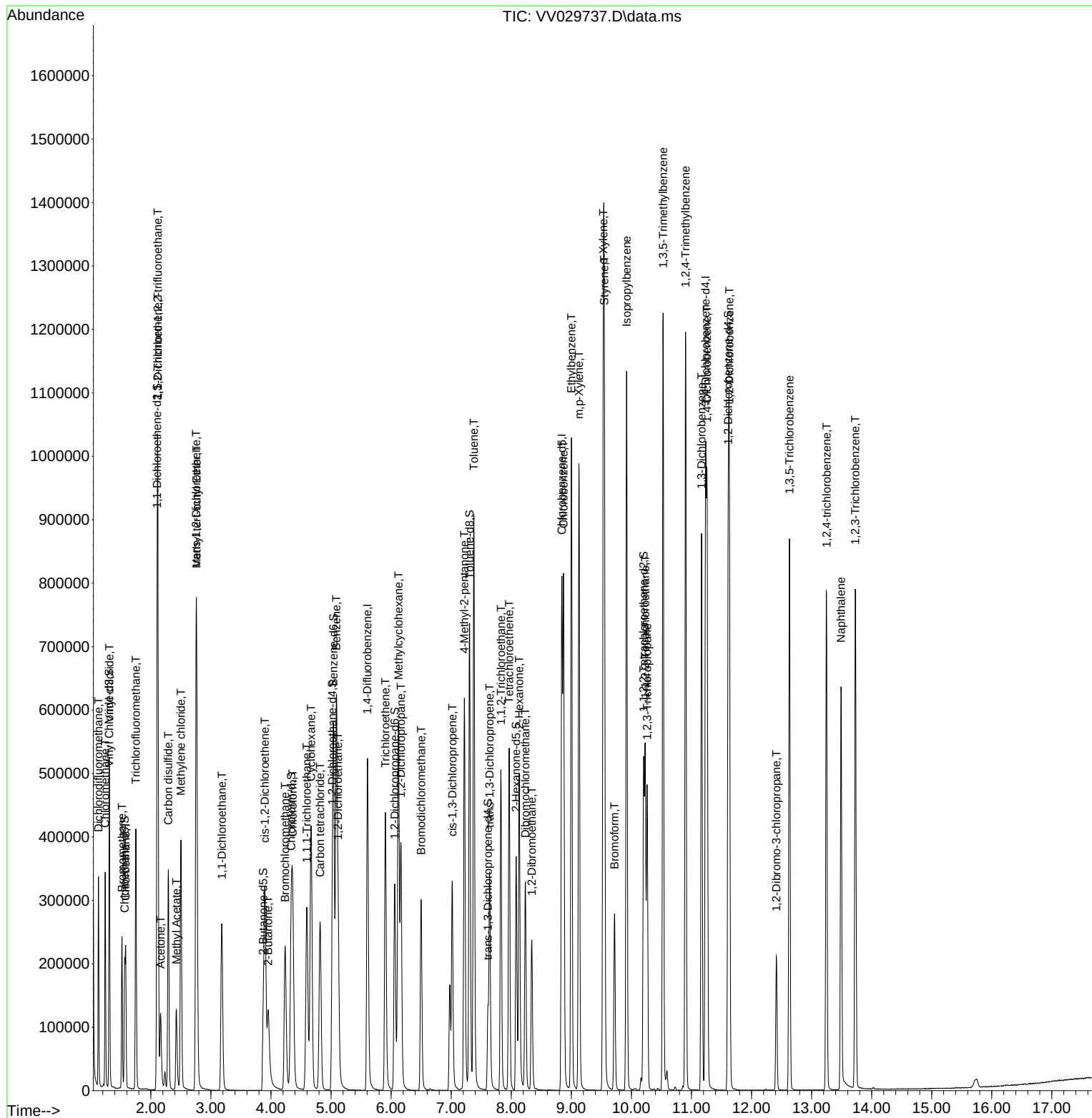
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27) 1,2-Dichloroethane	5.117	62	196467	52.668	ug/L	99
29) Cyclohexane	4.667	56	234989	48.069	ug/L	98
30) 1,1,1-Trichloroethane	4.596	97	242092	49.239	ug/L	99
31) Carbon tetrachloride	4.818	117	209714	48.845	ug/L	100
33) Benzene	5.088	78	643579	50.595	ug/L	100
34) Trichloroethene	5.905	95	157830	49.515	ug/L	99
35) Methylcyclohexane	6.124	83	256467	47.374	ug/L	98
37) 1,2-Dichloropropane	6.162	63	165220	53.815	ug/L	100
38) Bromodichloromethane	6.500	83	210317	49.624	ug/L	100
39) cis-1,3-Dichloropropene	7.018	75	209775	41.546	ug/L	99
40) 4-Methyl-2-pentanone	7.220	43	396225	108.243	ug/L	96
42) Toluene	7.378	91	685132	50.042	ug/L	100
44) trans-1,3-Dichloropropene	7.641	75	206637	43.215	ug/L	100
45) 1,1,2-Trichloroethane	7.828	97	162305	51.171	ug/L	99
46) Tetrachloroethene	7.966	164	128372	50.092	ug/L	98
48) 2-Hexanone	8.133	43	302285	108.089	ug/L	95
49) Dibromochloromethane	8.236	129	172840	49.357	ug/L	99
50) 1,2-Dibromoethane	8.342	107	160765	49.198	ug/L	99
51) Chlorobenzene	8.870	112	444573	51.280	ug/L	100
52) Ethylbenzene	9.001	91	727774	50.560	ug/L	100
53) m,p-Xylene	9.127	106	285400	50.096	ug/L	99
54) o-Xylene	9.532	106	280094	49.703	ug/L	98
55) Styrene	9.551	104	510714	52.150	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.230	83	259774	51.200	ug/L	99
59) Bromoform	9.718	173	128756	45.498	ug/L	99
60) Isopropylbenzene	9.921	105	737718	49.048	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	199319	50.405	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	643264	48.370	ug/L	100
63) 1,2,4-Trimethylbenzene	10.902	105	641963	48.698	ug/L	99
64) 1,3-Dichlorobenzene	11.169	146	366121	49.784	ug/L	100
65) 1,4-Dichlorobenzene	11.259	146	372616	49.855	ug/L	99
67) 1,2-Dichlorobenzene	11.632	146	367788	48.906	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.413	75	52007	42.316	ug/L	99
69) 1,3,5-Trichlorobenzene	12.632	180	272354	46.536	ug/L	100
70) 1,2,4-trichlorobenzene	13.249	180	242759	46.646	ug/L	100
71) Naphthalene	13.490	128	536844	45.477	ug/L	99
72) 1,2,3-Trichlorobenzene	13.728	180	248360	48.722	ug/L	99

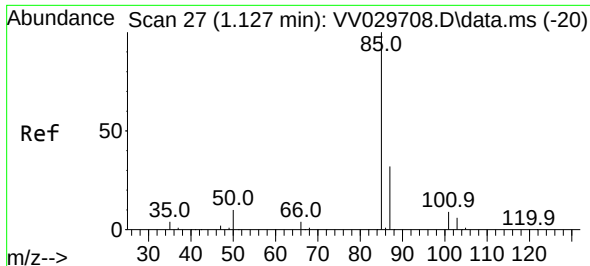
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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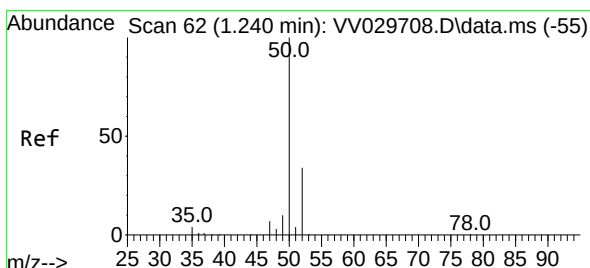
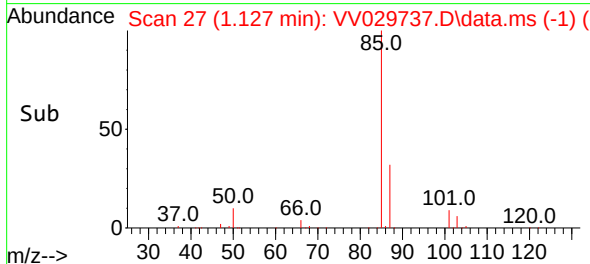
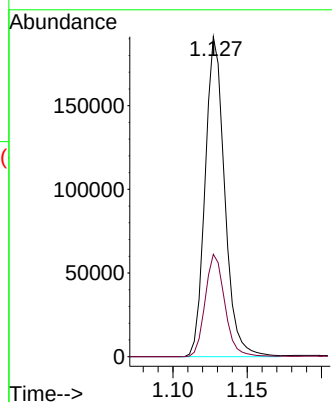
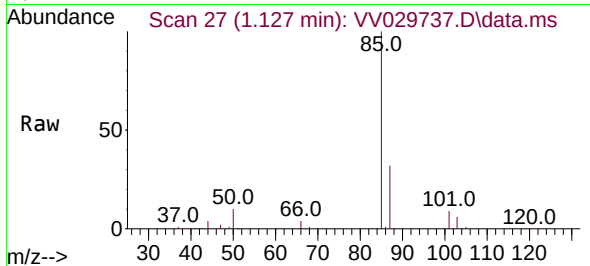




#2
 Dichlorodifluoromethane
 Concen: 46.070 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029737.D
 Acq: 20 Dec 2022 09:23

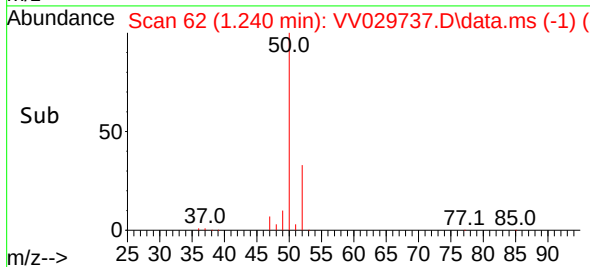
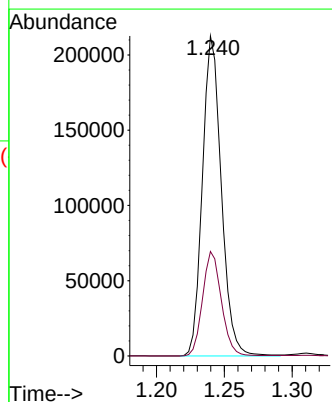
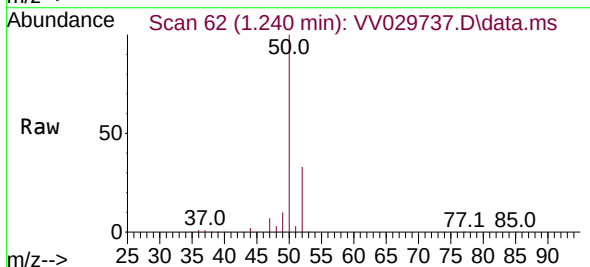
Instrument :
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 ClientSampleId :
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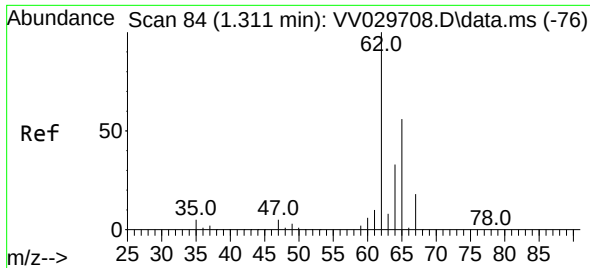
Tgt Ion: 85 Resp: 175185
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.9 38.9



#3
 Chloromethane
 Concen: 47.600 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029737.D
 Acq: 20 Dec 2022 09:23

Tgt Ion: 50 Resp: 206369
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.3 43.3

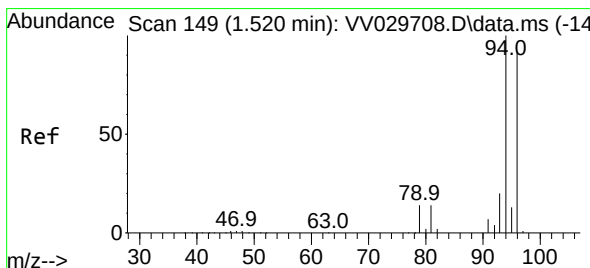
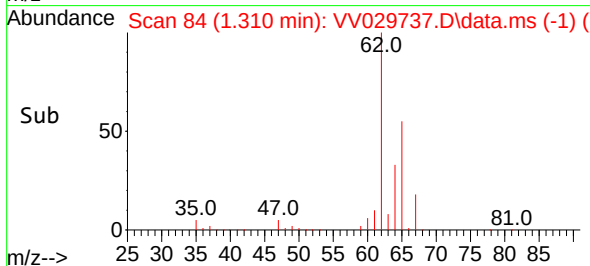
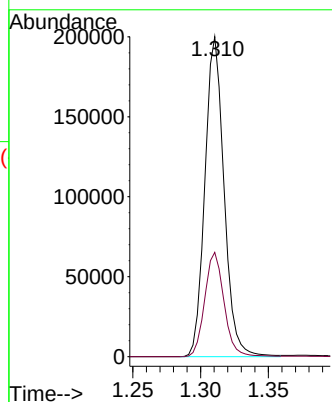
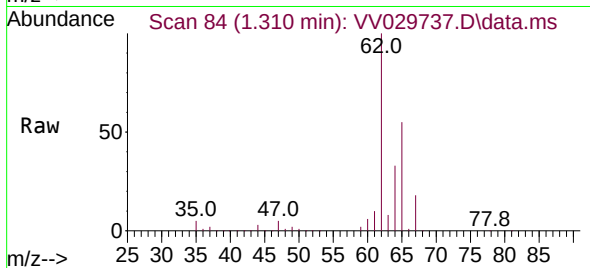




#5
 Vinyl chloride
 Concen: 54.306 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV029737.D
 Acq: 20 Dec 2022 09:23

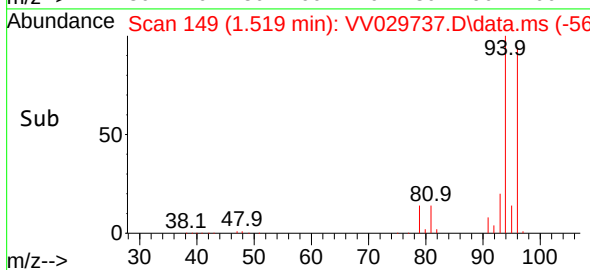
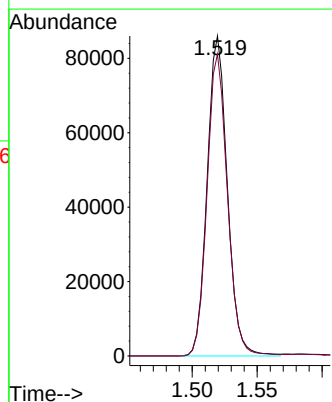
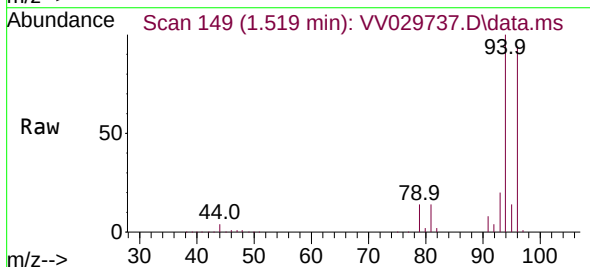
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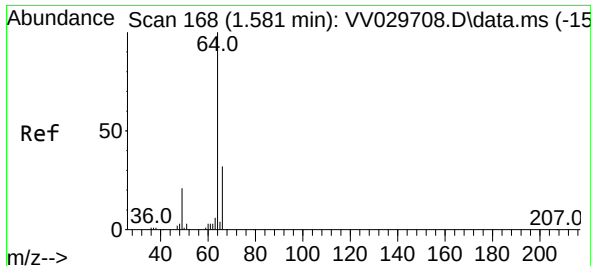
Tgt Ion: 62 Resp: 196988
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.5 41.9



#6
 Bromomethane
 Concen: 63.821 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VV029737.D
 Acq: 20 Dec 2022 09:23

Tgt Ion: 94 Resp: 93151
 Ion Ratio Lower Upper
 94 100
 96 94.4 65.1 120.9

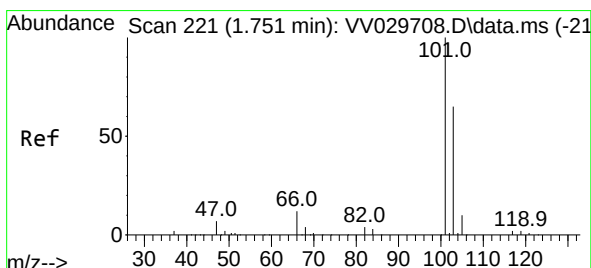
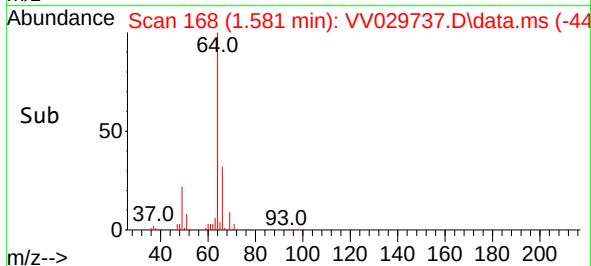
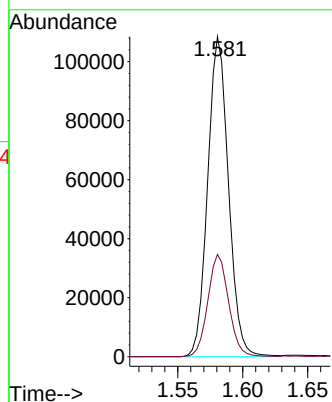
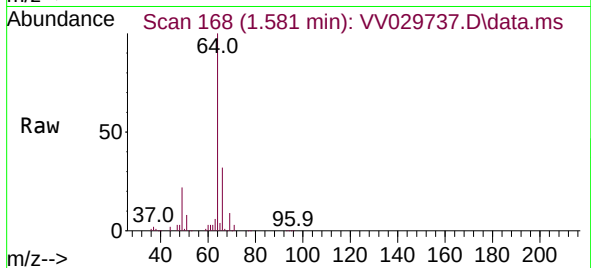




#8
Chloroethane
Concen: 59.765 ug/L
RT: 1.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

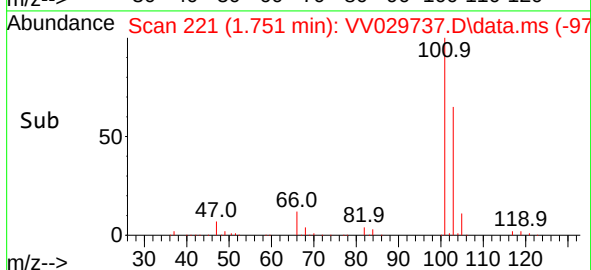
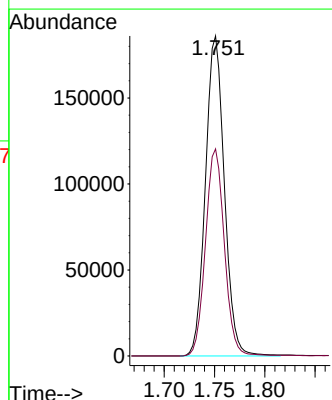
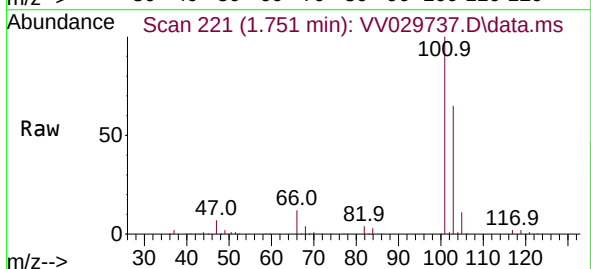
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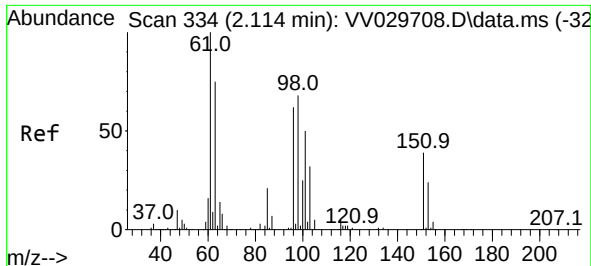
Tgt Ion: 64 Resp: 120715
Ion Ratio Lower Upper
64 100
66 32.0 22.5 41.9



#9
Trichlorofluoromethane
Concen: 53.616 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

Tgt Ion:101 Resp: 243468
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.8

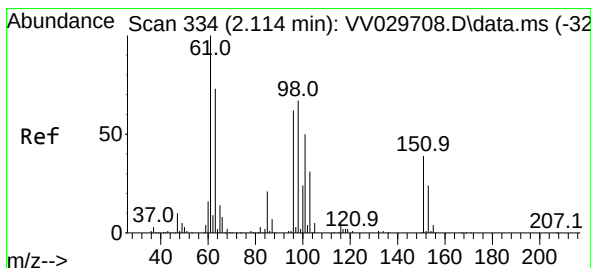
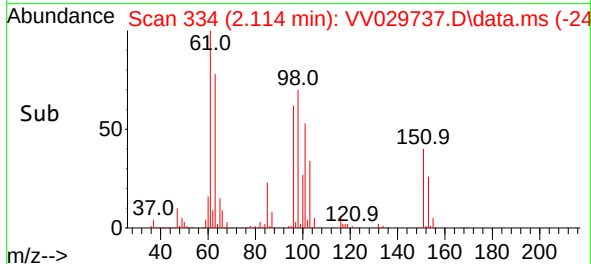
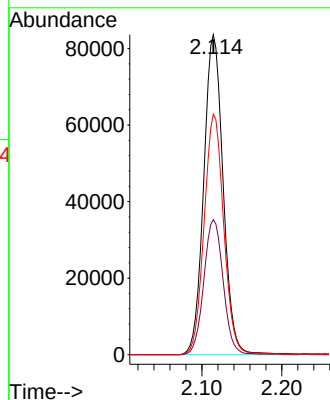
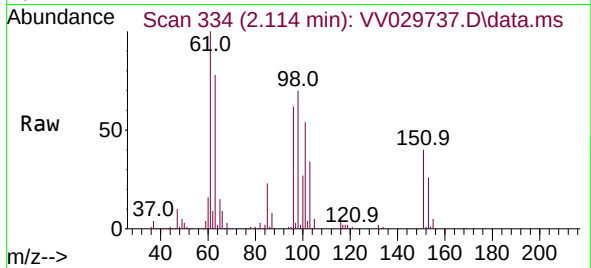




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 55.917 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV029737.D
 Acq: 20 Dec 2022 09:23

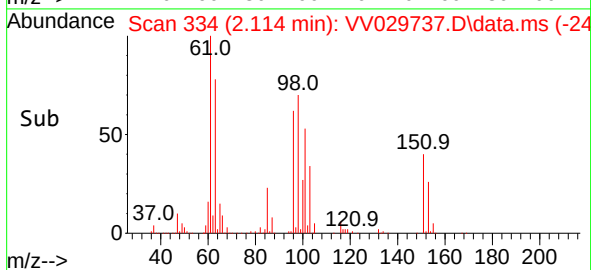
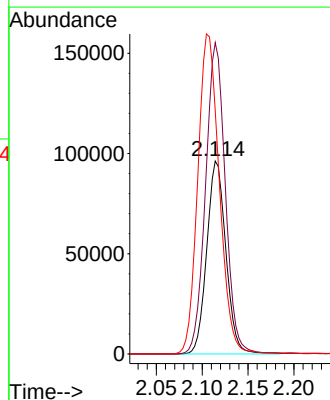
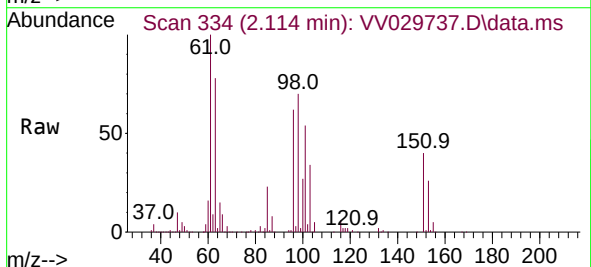
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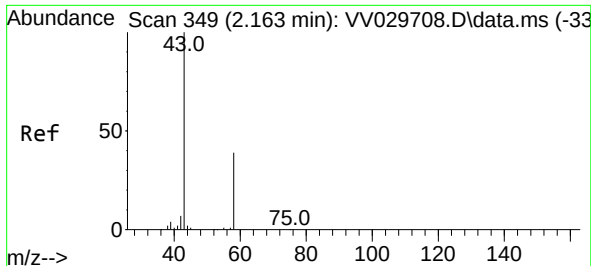
Tgt Ion:101 Resp: 141092
 Ion Ratio Lower Upper
 101 100
 85 42.1 33.6 50.4
 151 76.0 63.5 95.3



#12
 1,1-Dichloroethene
 Concen: 54.072 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV029737.D
 Acq: 20 Dec 2022 09:23

Tgt Ion: 96 Resp: 139529
 Ion Ratio Lower Upper
 96 100
 61 161.4 103.3 191.9
 63 126.0 77.3 143.7





#13

Acetone

Concen: 103.350 ug/L

RT: 2.163 min Scan# 349

Delta R.T. -0.000 min

Lab File: VV029737.D

Acq: 20 Dec 2022 09:23

Instrument :

MSVOA_V

ClientSampleId :

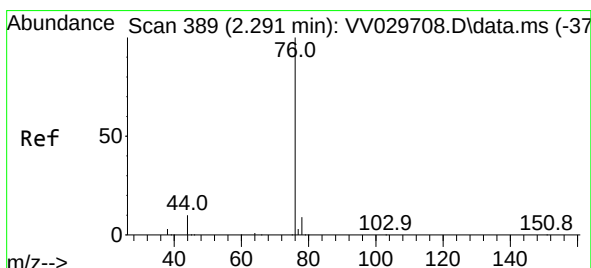
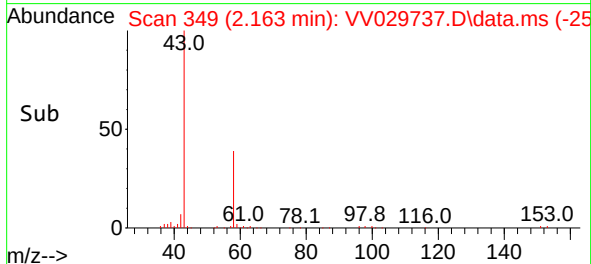
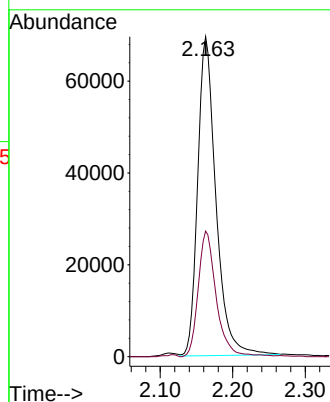
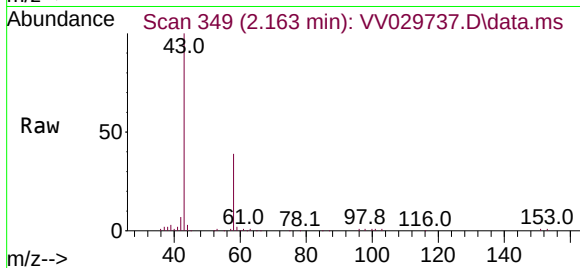
VSTD050393

Tgt Ion: 43 Resp: 121415

Ion Ratio Lower Upper

43 100

58 38.4 0.0 74.8



#14

Carbon disulfide

Concen: 46.554 ug/L

RT: 2.291 min Scan# 389

Delta R.T. -0.000 min

Lab File: VV029737.D

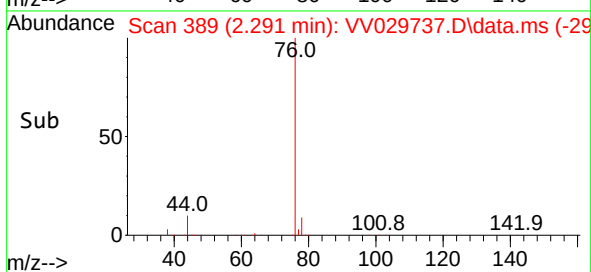
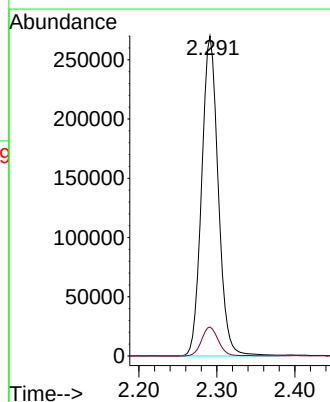
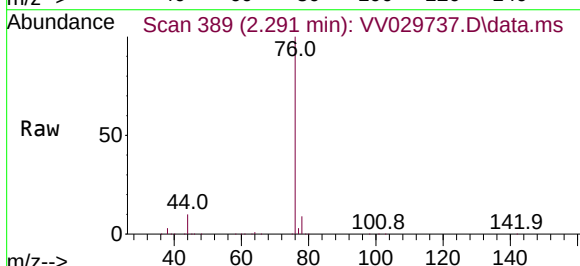
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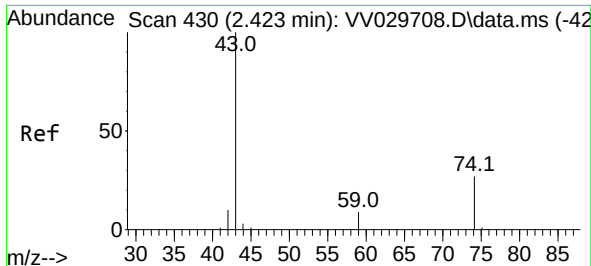
Tgt Ion: 76 Resp: 399809

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

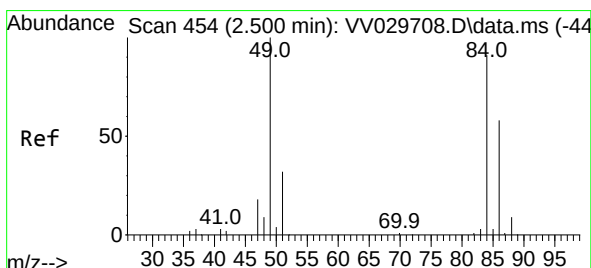
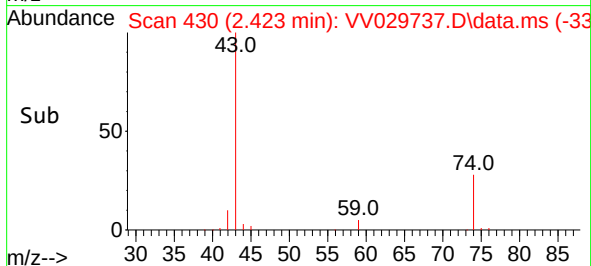
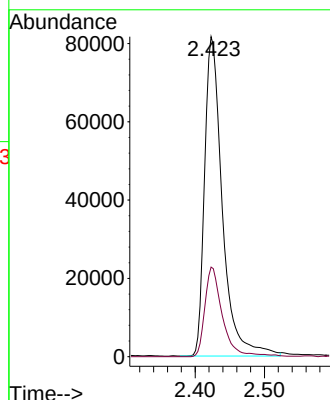
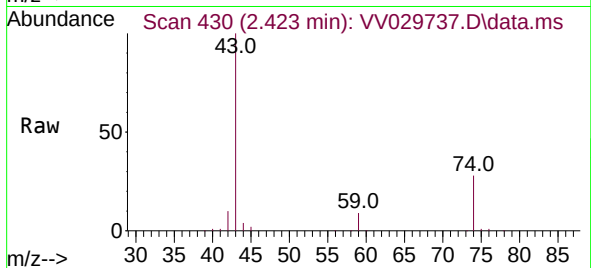




#15
Methyl Acetate
Concen: 54.260 ug/L
RT: 2.423 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

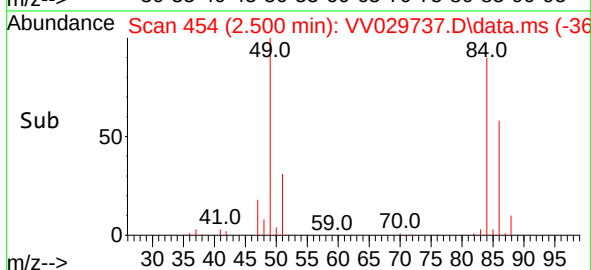
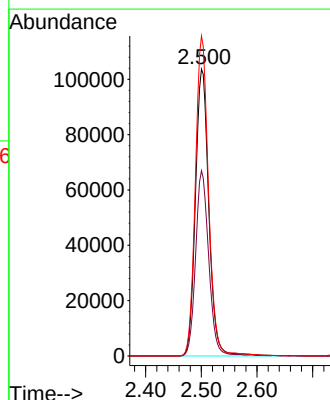
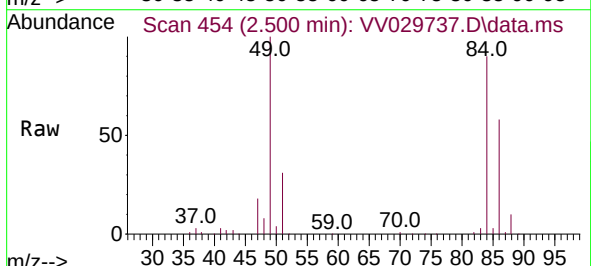
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

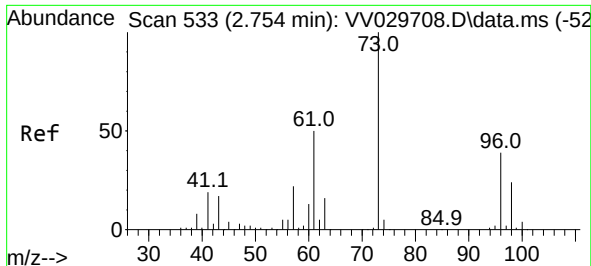
Tgt Ion: 43 Resp: 145230
Ion Ratio Lower Upper
43 100
74 26.6 23.5 35.3



#16
Methylene chloride
Concen: 53.905 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

Tgt Ion: 84 Resp: 172950
Ion Ratio Lower Upper
84 100
86 64.6 46.0 85.4
49 111.5 72.2 134.0



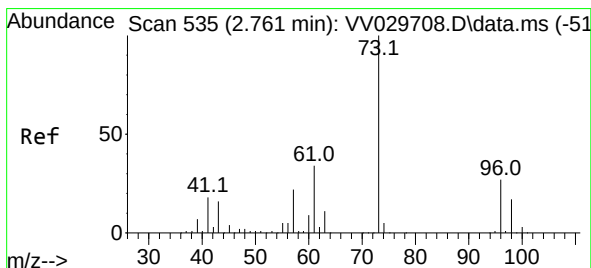
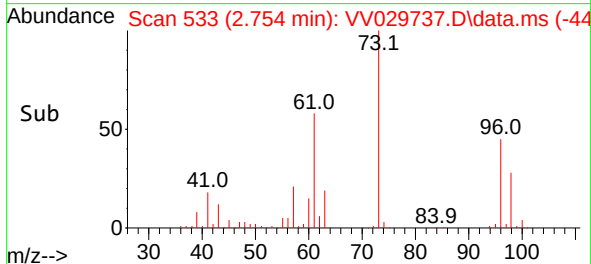
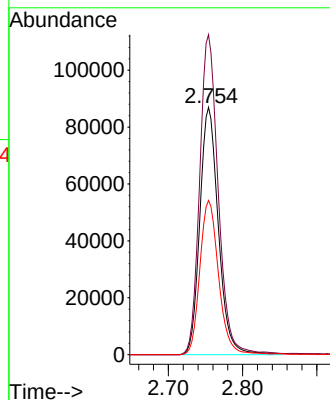
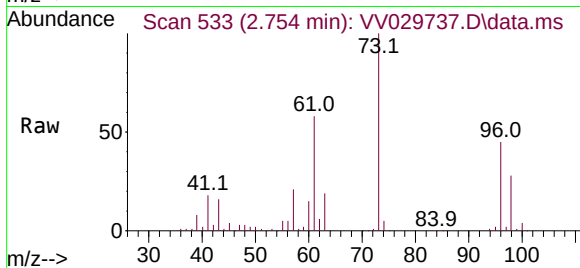


#17
 trans-1,2-Dichloroethene
 Concen: 50.789 ug/L
 RT: 2.754 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VV029737.D
 Acq: 20 Dec 2022 09:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050393

Tgt Ion: 96 Resp: 151008

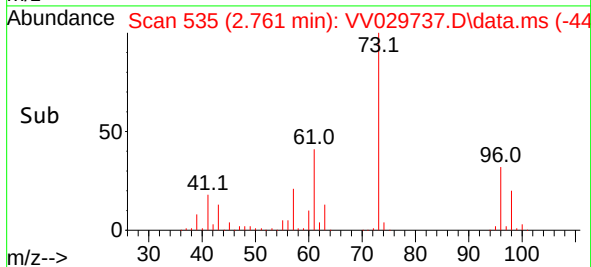
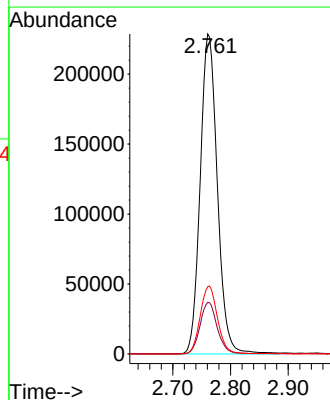
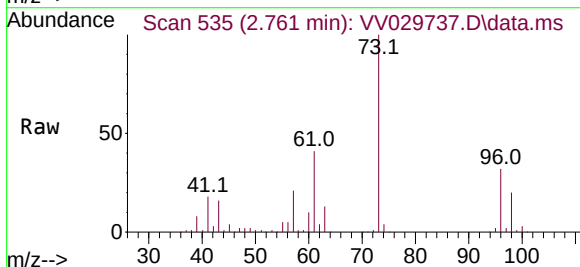
Ion	Ratio	Lower	Upper
96	100		
61	129.4	86.4	160.4
98	62.4	43.4	80.6

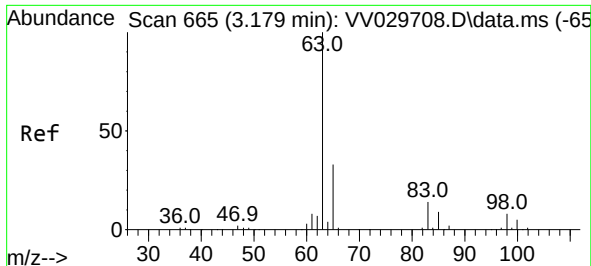


#18
 Methyl tert-butyl Ether
 Concen: 51.833 ug/L
 RT: 2.761 min Scan# 535
 Delta R.T. -0.000 min
 Lab File: VV029737.D
 Acq: 20 Dec 2022 09:23

Tgt Ion: 73 Resp: 472173

Ion	Ratio	Lower	Upper
73	100		
43	15.9	12.7	19.1
57	21.4	16.7	25.1





#19

1,1-Dichloroethane

Concen: 53.693 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV029737.D

Acq: 20 Dec 2022 09:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD050393

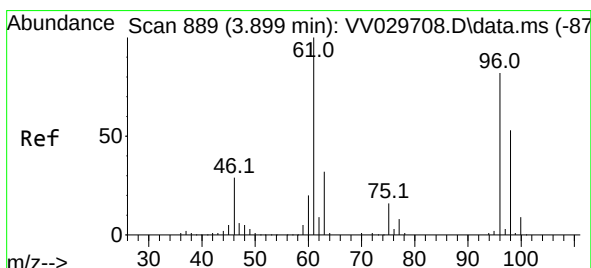
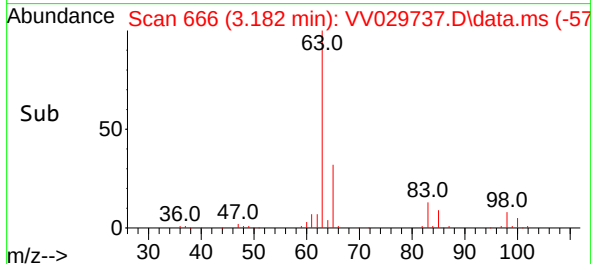
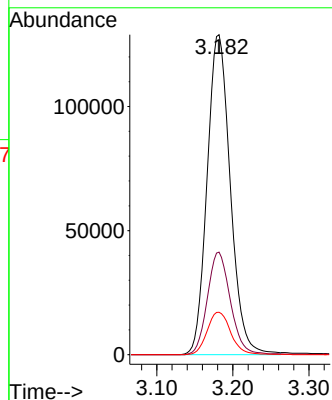
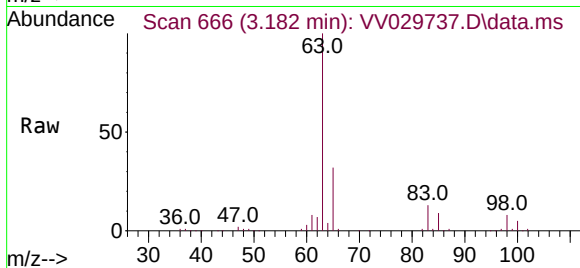
Tgt Ion: 63 Resp: 273491

Ion Ratio Lower Upper

63 100

65 32.0 22.5 41.7

83 13.2 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 50.808 ug/L

RT: 3.899 min Scan# 889

Delta R.T. -0.000 min

Lab File: VV029737.D

Acq: 20 Dec 2022 09:23

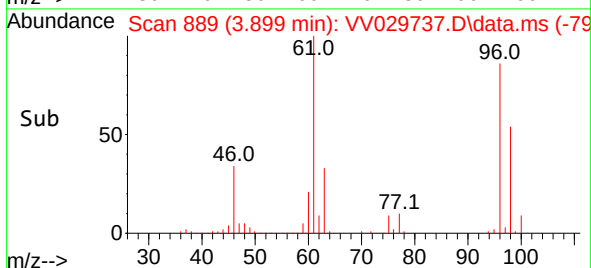
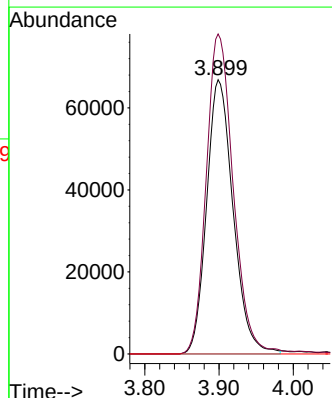
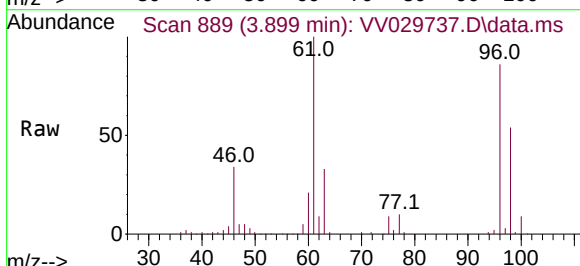
Tgt Ion: 96 Resp: 166116

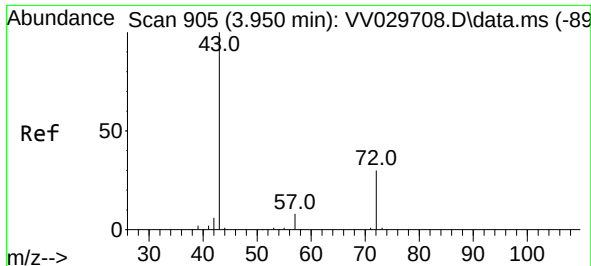
Ion Ratio Lower Upper

96 100

61 116.7 78.0 144.9

68 0.0 0.0 0.0

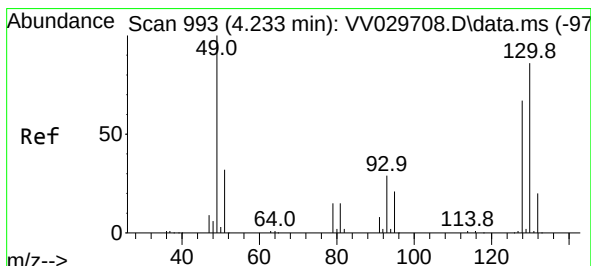
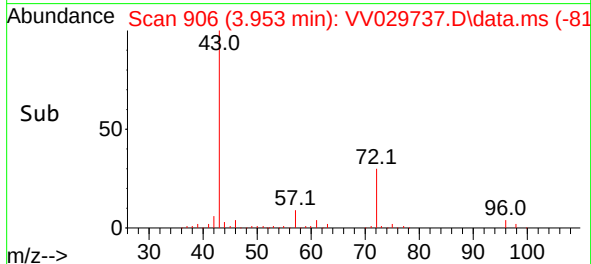
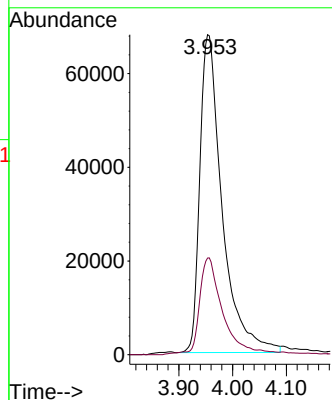
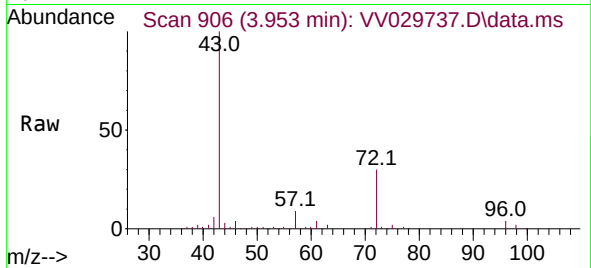




#22
2-Butanone
Concen: 104.681 ug/L
RT: 3.953 min Scan# 905
Delta R.T. 0.003 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

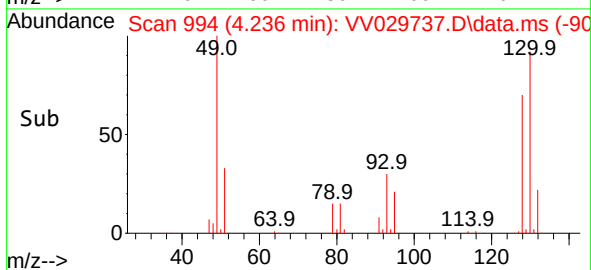
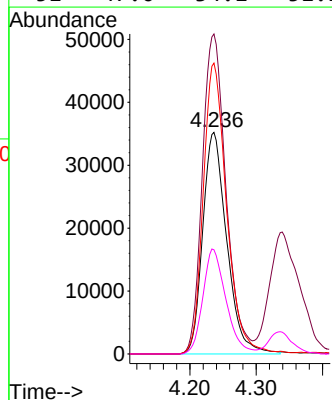
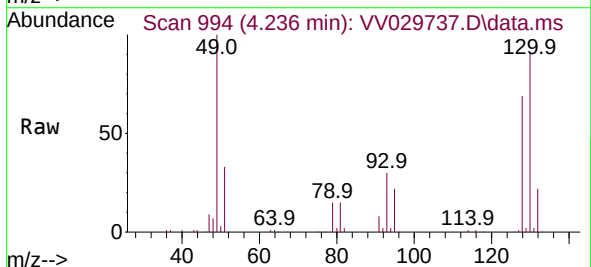
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

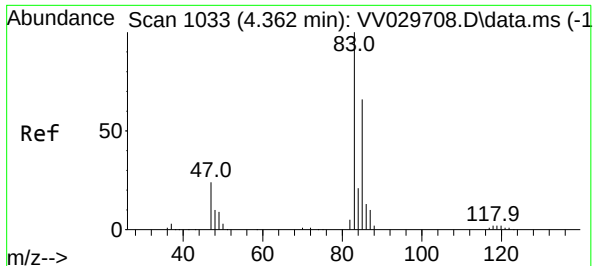
Tgt Ion: 43 Resp: 195681
Ion Ratio Lower Upper
43 100
72 30.8 15.9 47.6



#23
Bromochloromethane
Concen: 52.625 ug/L
RT: 4.236 min Scan# 994
Delta R.T. 0.003 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

Tgt Ion: 128 Resp: 88596
Ion Ratio Lower Upper
128 100
49 144.4 92.2 171.2
130 131.3 88.3 164.1
51 47.0 34.1 51.1

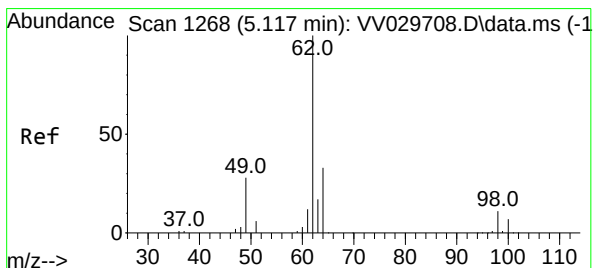
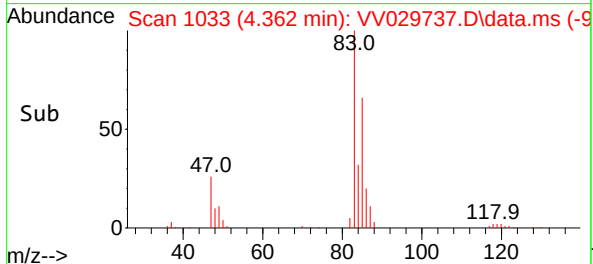
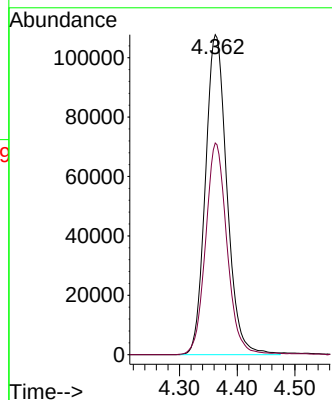
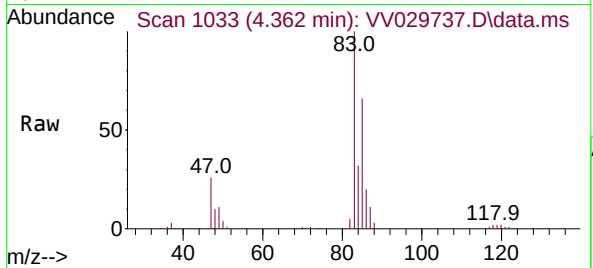




#25
Chloroform
Concen: 52.751 ug/L
RT: 4.362 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

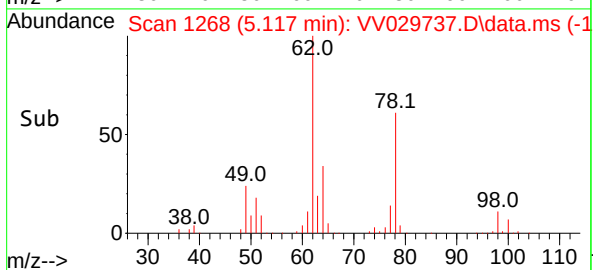
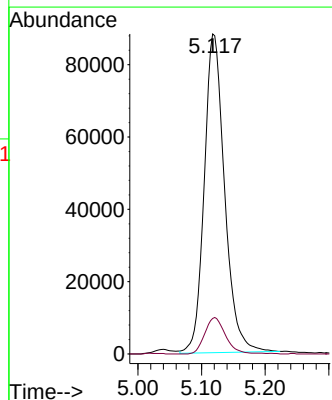
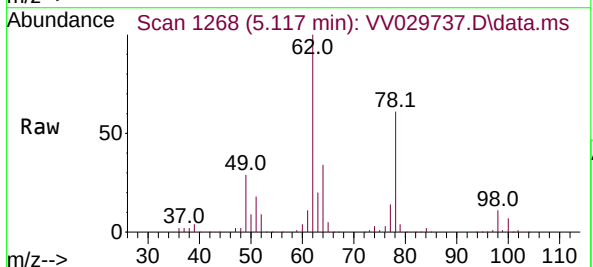
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

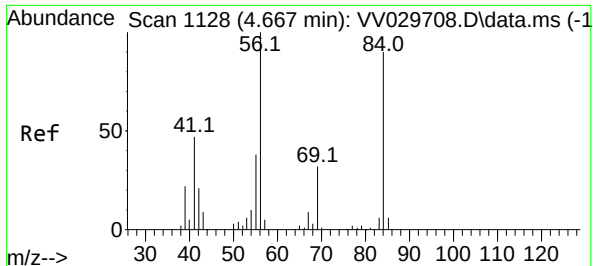
Tgt Ion: 83 Resp: 278561
Ion Ratio Lower Upper
83 100
85 66.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 52.668 ug/L
RT: 5.117 min Scan# 1268
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

Tgt Ion: 62 Resp: 196467
Ion Ratio Lower Upper
62 100
98 11.1 9.4 14.0

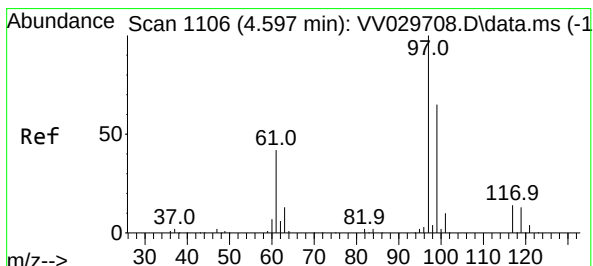
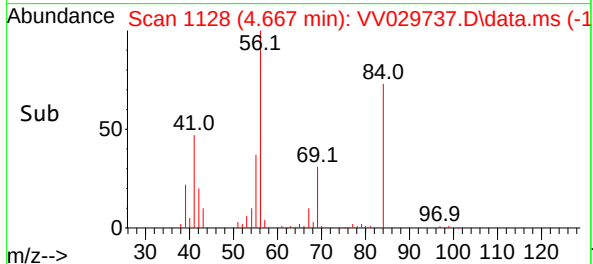
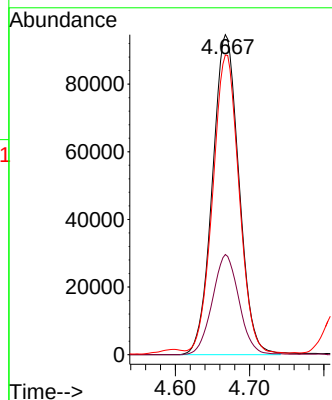
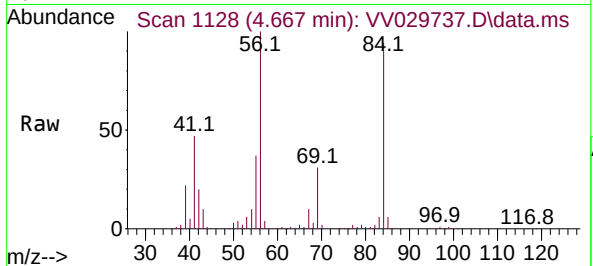




#29
Cyclohexane
Concen: 48.069 ug/L
RT: 4.667 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

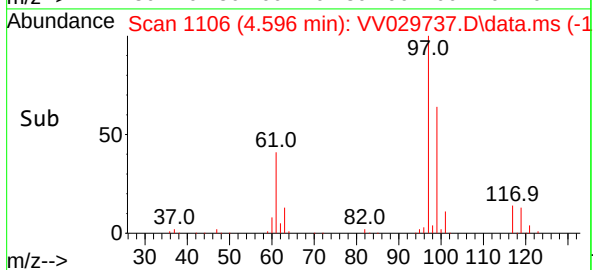
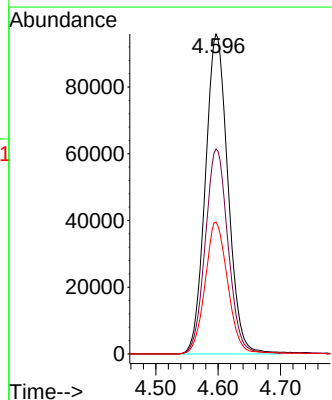
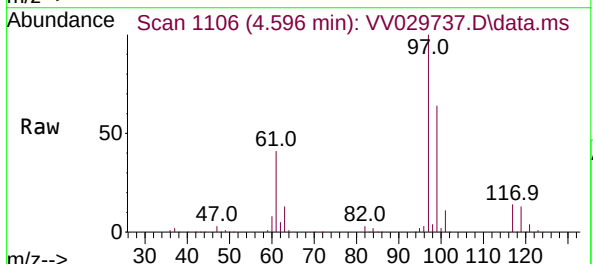
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

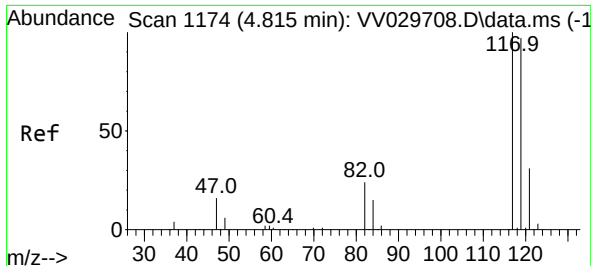
Tgt Ion: 56 Resp: 234989
Ion Ratio Lower Upper
56 100
69 31.3 25.8 38.8
84 93.1 76.6 114.8



#30
1,1,1-Trichloroethane
Concen: 49.239 ug/L
RT: 4.596 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

Tgt Ion: 97 Resp: 242092
Ion Ratio Lower Upper
97 100
99 64.5 52.1 78.1
61 41.1 31.8 47.8

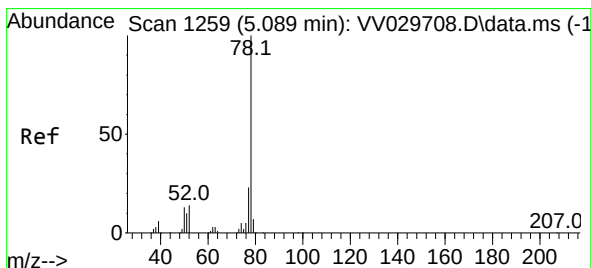
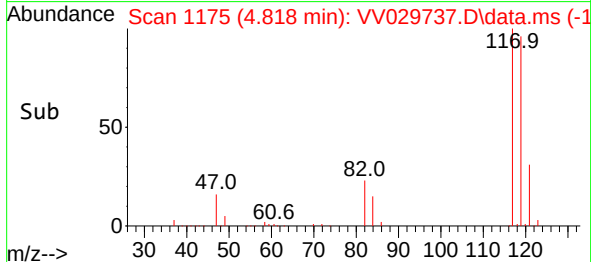
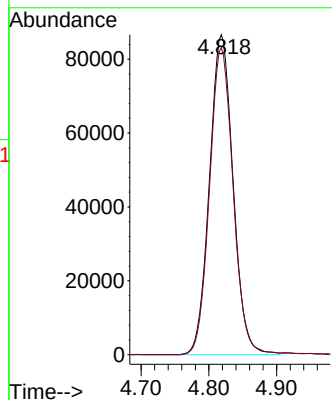
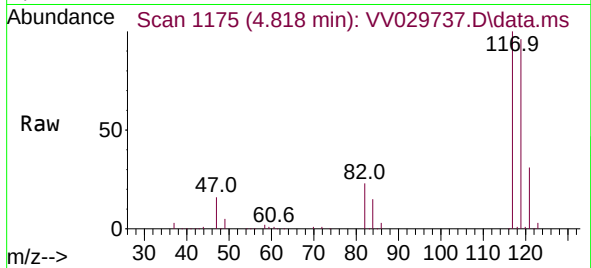




#31
Carbon tetrachloride
Concen: 48.845 ug/L
RT: 4.818 min Scan# 1174
Delta R.T. 0.003 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

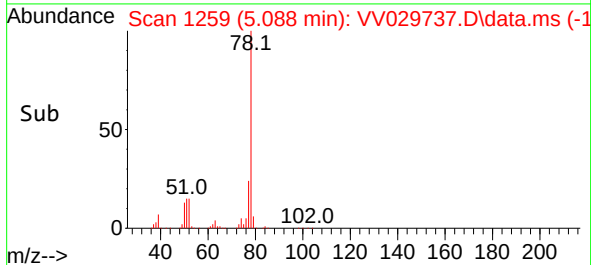
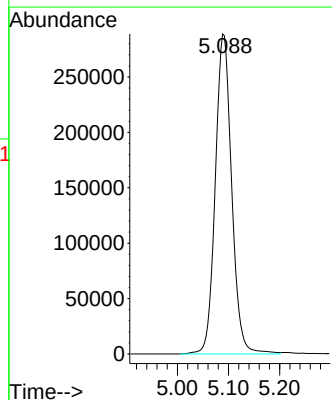
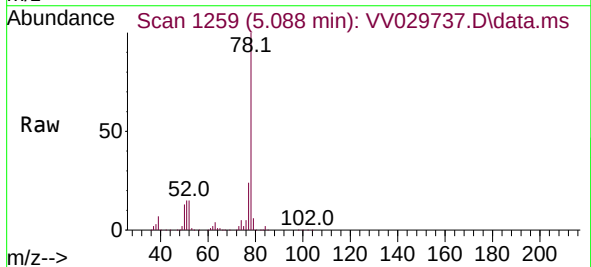
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

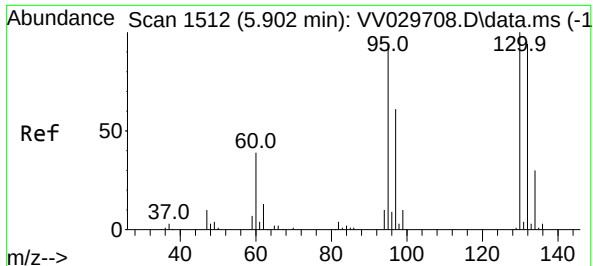
Tgt Ion:117 Resp: 209714
Ion Ratio Lower Upper
117 100
119 95.6 76.7 115.1



#33
Benzene
Concen: 50.595 ug/L
RT: 5.088 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

Tgt Ion: 78 Resp: 643579

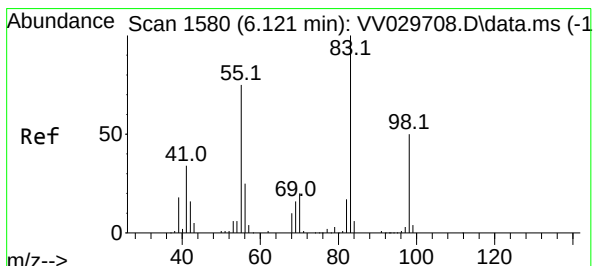
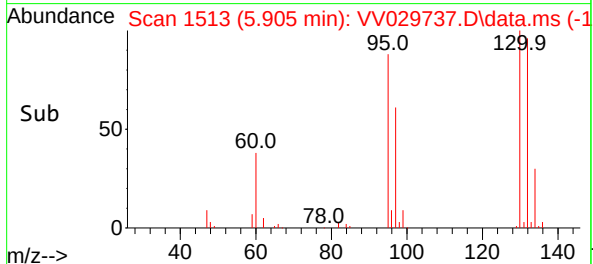
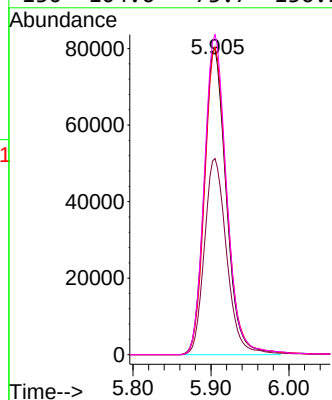
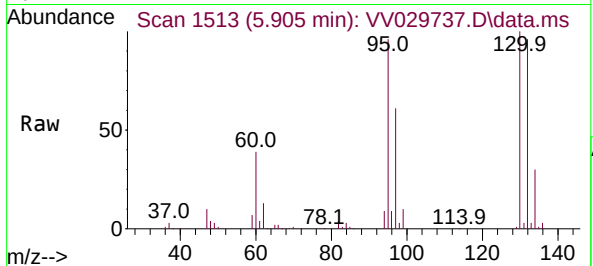




#34
Trichloroethene
Concen: 49.515 ug/L
RT: 5.905 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

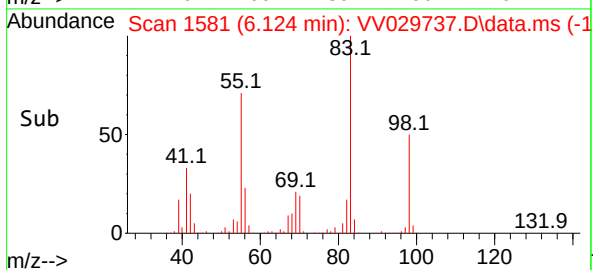
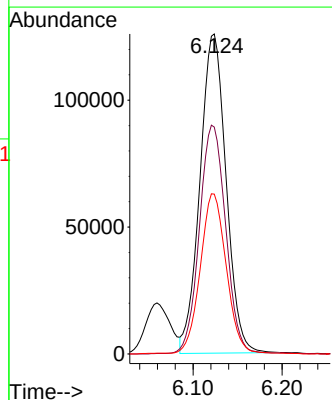
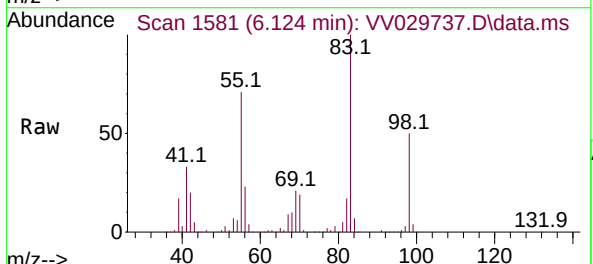
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

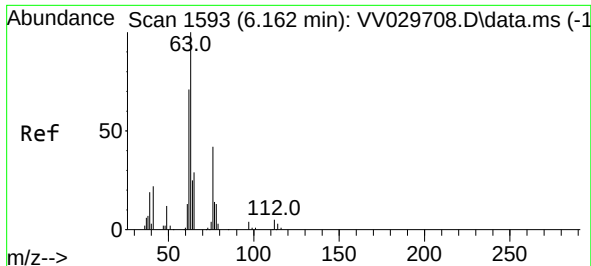
Tgt Ion: 95 Resp: 157830
Ion Ratio Lower Upper
95 100
97 64.1 44.0 81.8
132 100.6 69.9 129.9
130 104.6 73.7 136.9



#35
Methylcyclohexane
Concen: 47.374 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. 0.003 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

Tgt Ion: 83 Resp: 256467
Ion Ratio Lower Upper
83 100
55 72.0 55.5 83.3
98 50.3 39.8 59.8





#37

1,2-Dichloropropane

Concen: 53.815 ug/L

RT: 6.162 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VV029737.D

Acq: 20 Dec 2022 09:23

Instrument :

MSVOA_V

ClientSampleId :

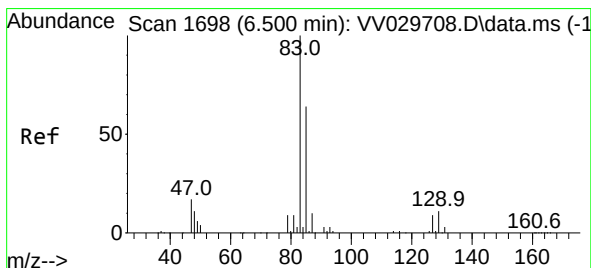
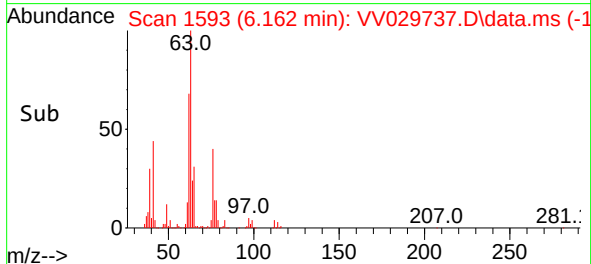
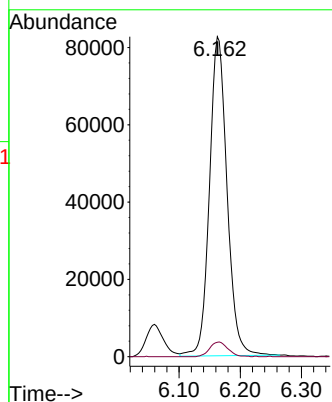
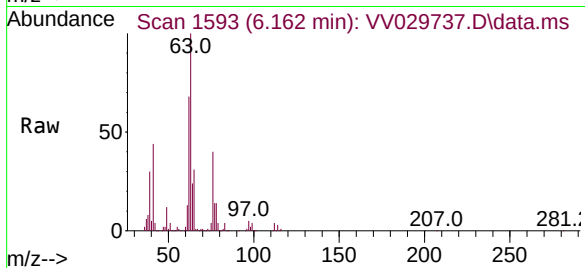
VSTD050393

Tgt Ion: 63 Resp: 165220

Ion Ratio Lower Upper

63 100

112 4.8 3.9 5.9



#38

Bromodichloromethane

Concen: 49.624 ug/L

RT: 6.500 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VV029737.D

Acq: 20 Dec 2022 09:23

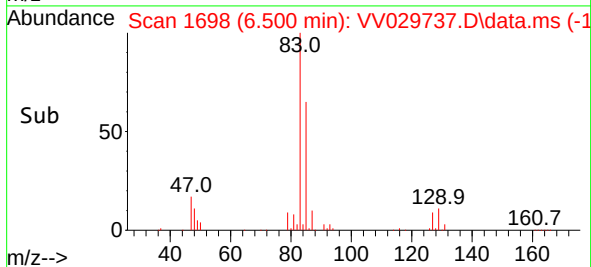
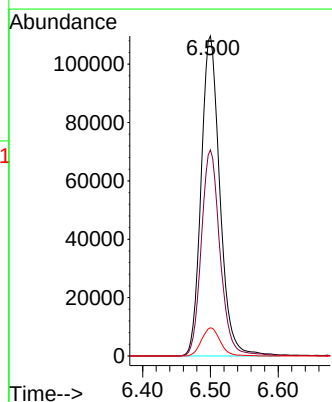
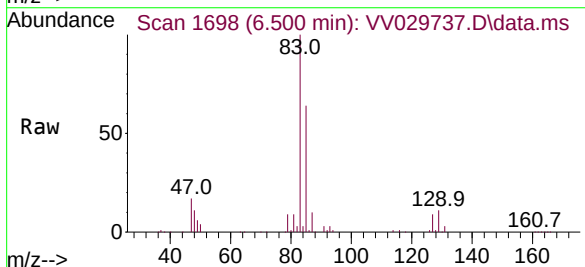
Tgt Ion: 83 Resp: 210317

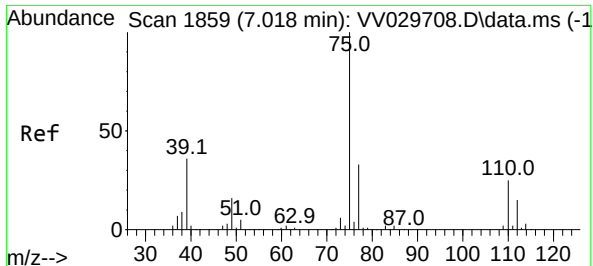
Ion Ratio Lower Upper

83 100

85 64.4 45.3 84.1

127 8.8 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 41.546 ug/L

RT: 7.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV029737.D

Acq: 20 Dec 2022 09:23

Instrument :

MSVOA_V

ClientSampleId :

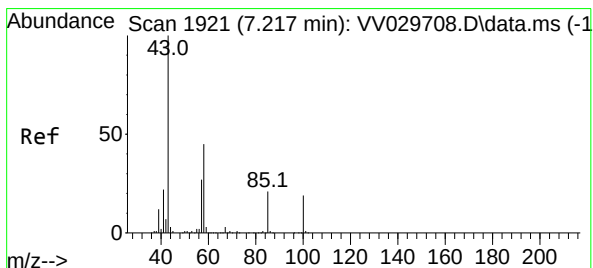
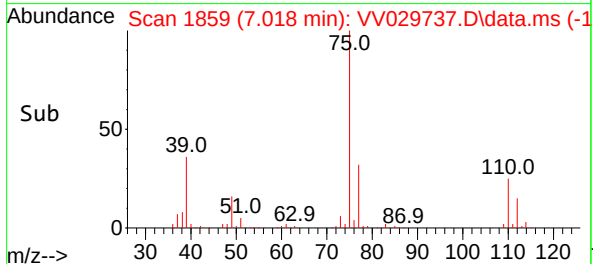
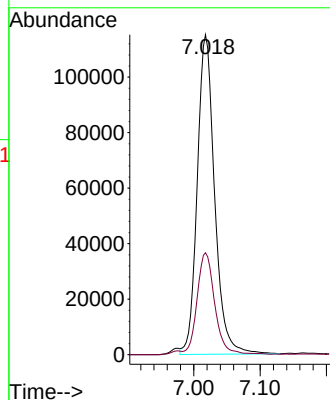
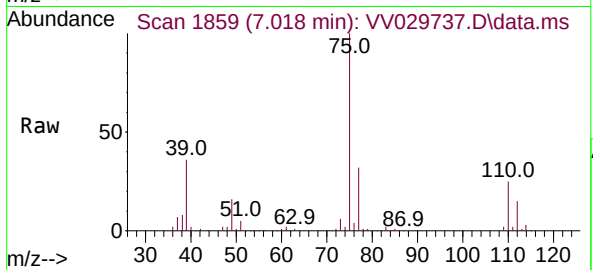
VSTD050393

Tgt Ion: 75 Resp: 209775

Ion Ratio Lower Upper

75 100

77 31.9 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 108.243 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. 0.003 min

Lab File: VV029737.D

Acq: 20 Dec 2022 09:23

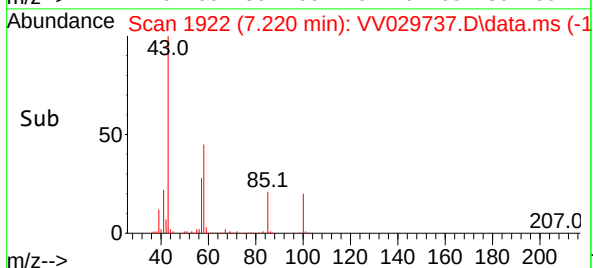
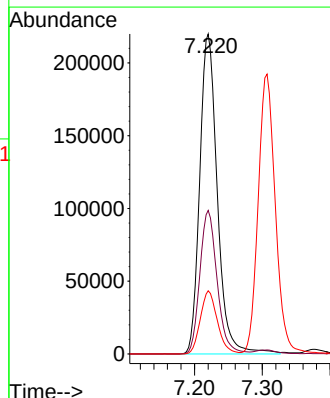
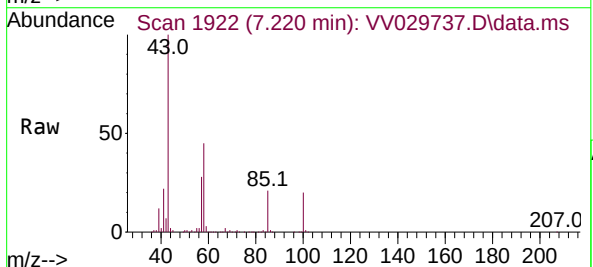
Tgt Ion: 43 Resp: 396225

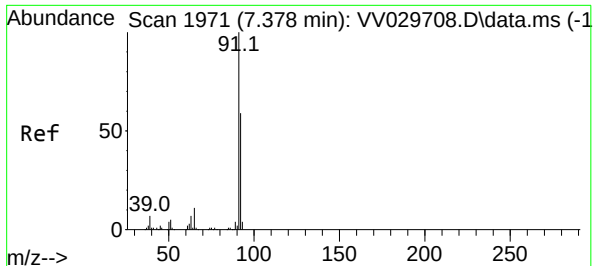
Ion Ratio Lower Upper

43 100

58 44.1 37.5 56.3

100 19.1 16.7 25.1





#42

Toluene

Concen: 50.042 ug/L

RT: 7.378 min Scan# 1971

Delta R.T. -0.000 min

Lab File: VV029737.D

Acq: 20 Dec 2022 09:23

Instrument :

MSVOA_V

ClientSampleId :

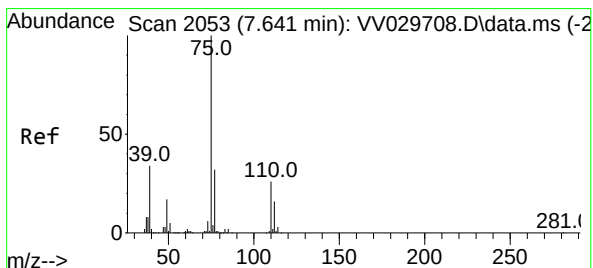
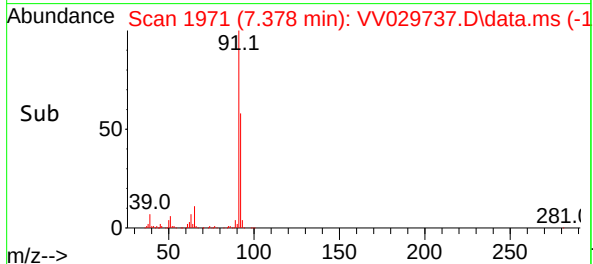
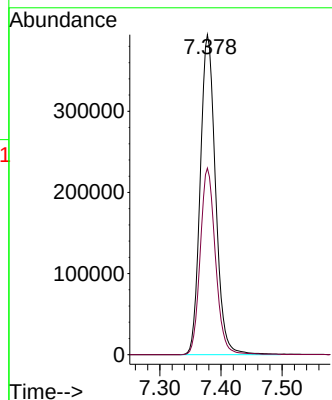
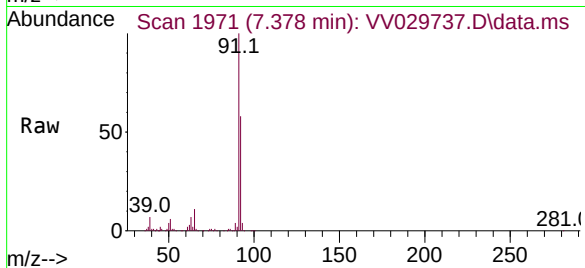
VSTD050393

Tgt Ion: 91 Resp: 685132

Ion Ratio Lower Upper

91 100

92 58.3 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 43.215 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. -0.000 min

Lab File: VV029737.D

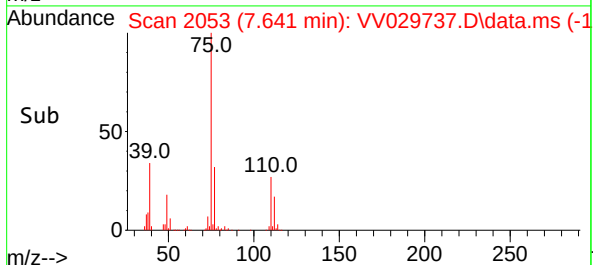
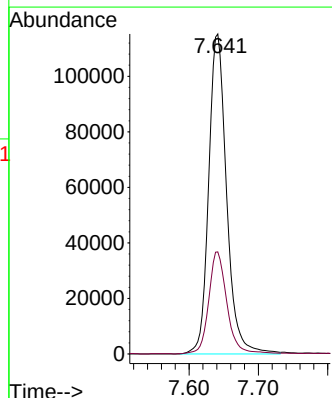
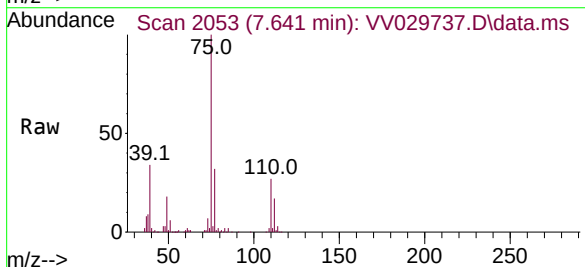
Acq: 20 Dec 2022 09:23

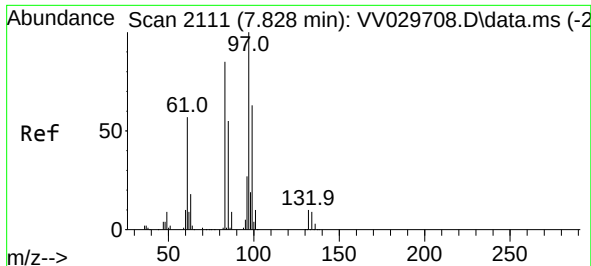
Tgt Ion: 75 Resp: 206637

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5



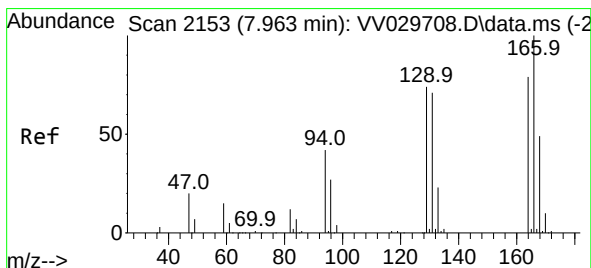
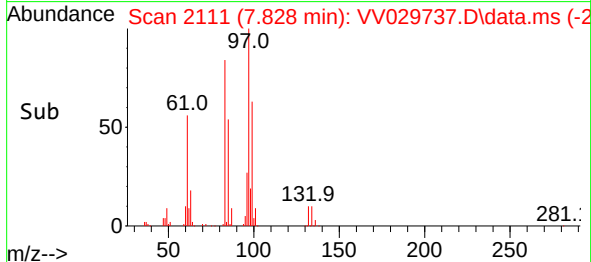
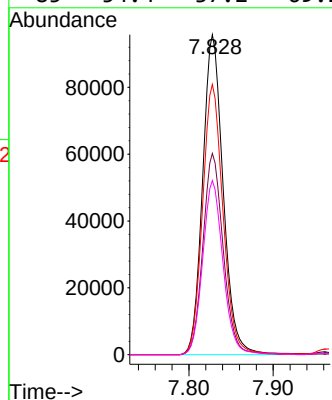
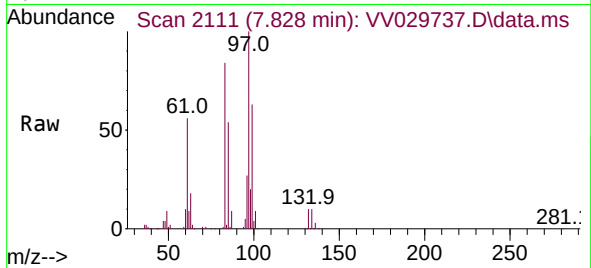


#45
1,1,2-Trichloroethane
Concen: 51.171 ug/L
RT: 7.828 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

Tgt Ion: 97 Resp: 162305

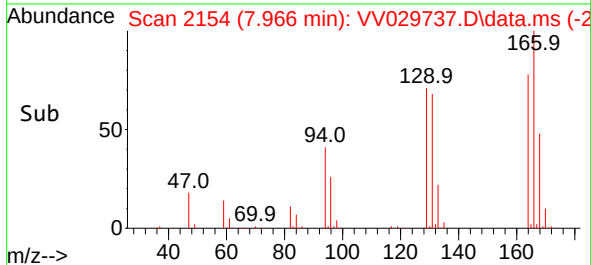
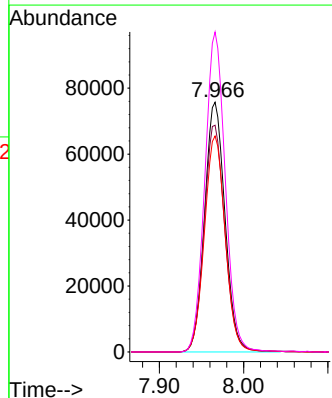
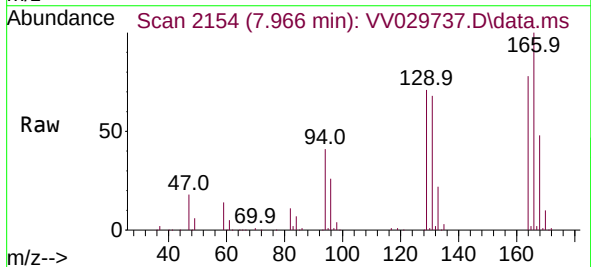
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.8	81.3
83	84.4	58.6	108.8
85	54.4	37.2	69.2

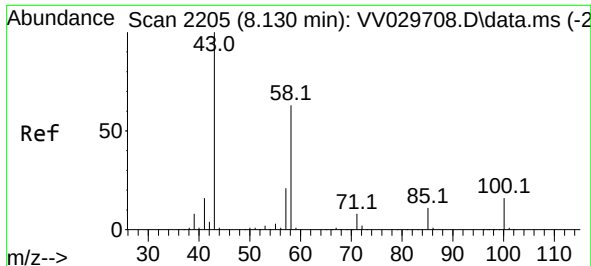


#46
Tetrachloroethene
Concen: 50.092 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. 0.003 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

Tgt Ion: 164 Resp: 128372

Ion	Ratio	Lower	Upper
164	100		
129	90.8	65.3	121.3
131	86.5	63.1	117.1
166	128.1	90.8	168.6

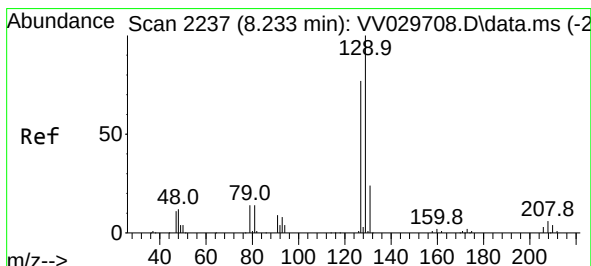
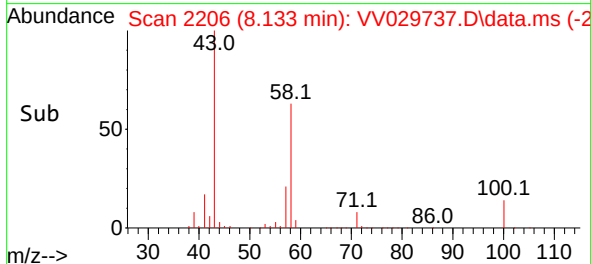
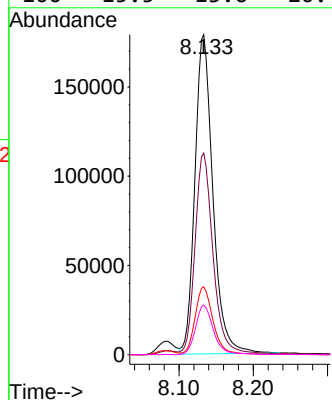
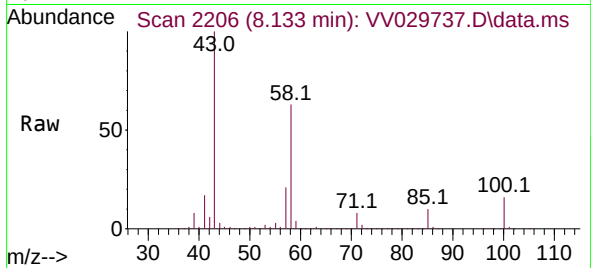




#48
2-Hexanone
Concen: 108.089 ug/L
RT: 8.133 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

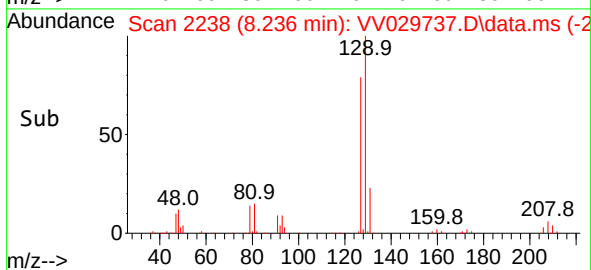
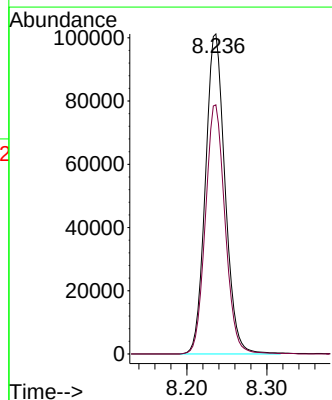
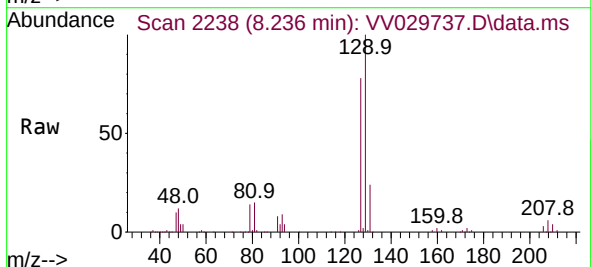
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

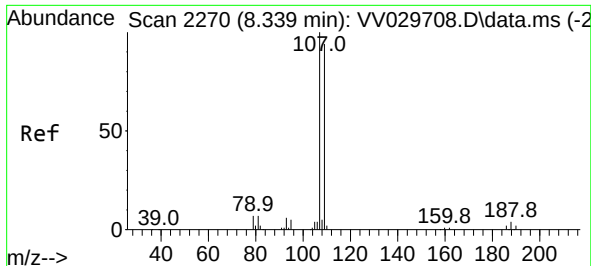
Tgt Ion: 43 Resp: 302285
Ion Ratio Lower Upper
43 100
58 62.9 54.1 81.1
57 21.0 17.4 26.0
100 15.5 13.6 20.4



#49
Dibromochloromethane
Concen: 49.357 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. 0.003 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

Tgt Ion: 129 Resp: 172840
Ion Ratio Lower Upper
129 100
127 77.9 55.2 102.4



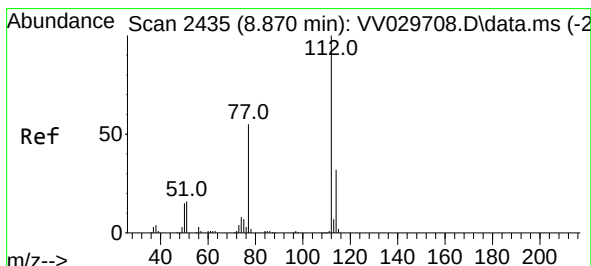
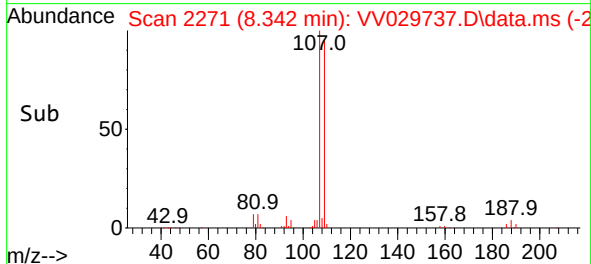
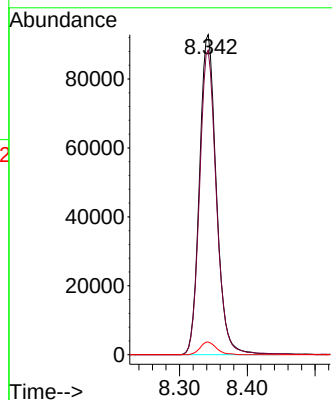
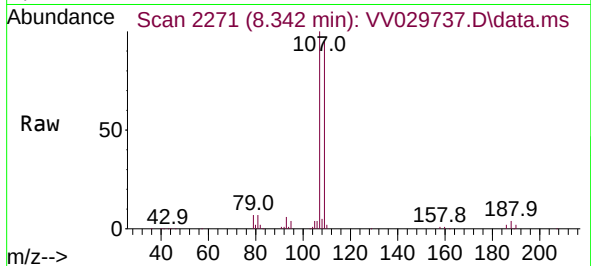


#50
1,2-Dibromoethane
Concen: 49.198 ug/L
RT: 8.342 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

Tgt Ion:107 Resp: 160765

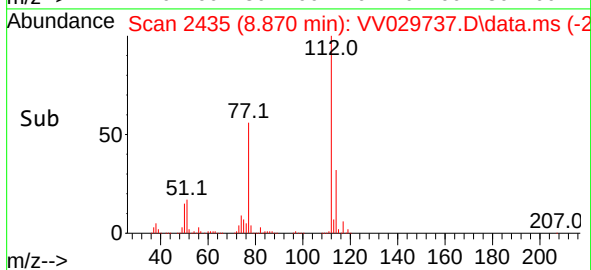
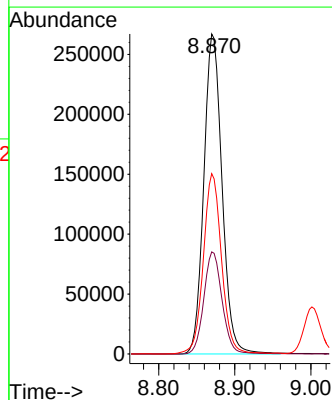
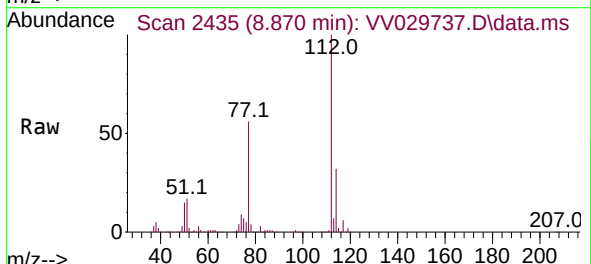
Ion	Ratio	Lower	Upper
107	100		
109	95.2	66.0	122.6
188	3.9	3.2	4.8

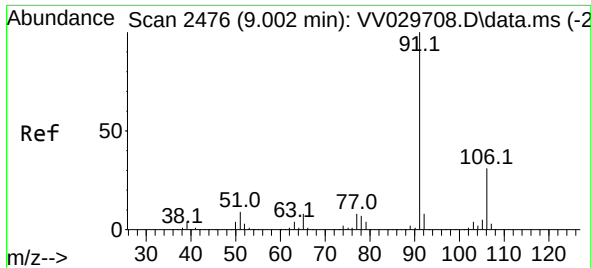


#51
Chlorobenzene
Concen: 51.280 ug/L
RT: 8.870 min Scan# 2435
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

Tgt Ion:112 Resp: 444573

Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.3
77	56.4	45.0	67.4

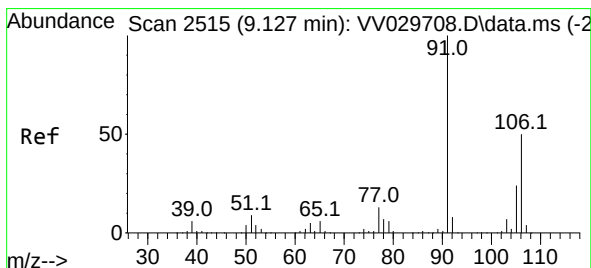
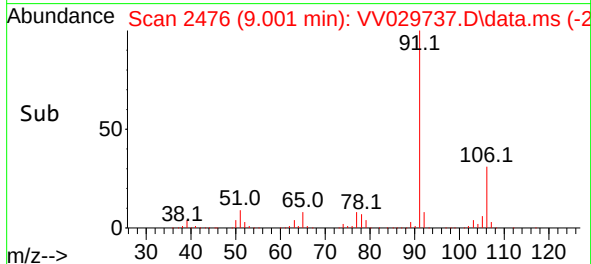
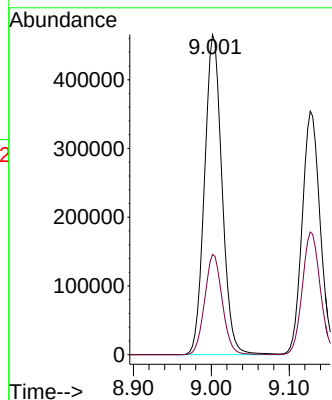
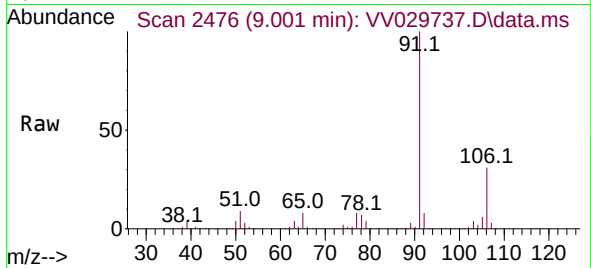




#52
Ethylbenzene
Concen: 50.560 ug/L
RT: 9.001 min Scan# 2476
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

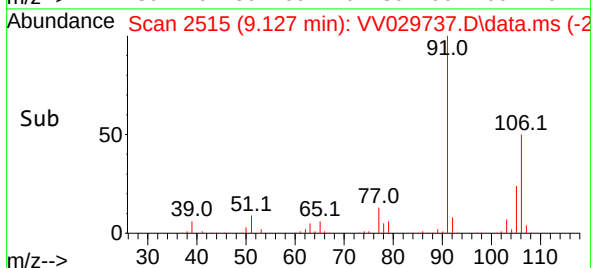
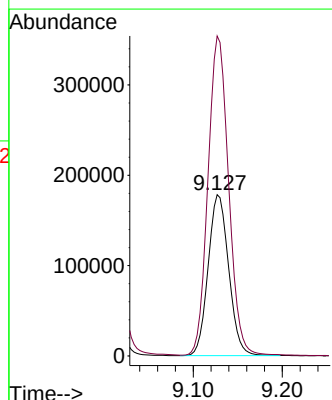
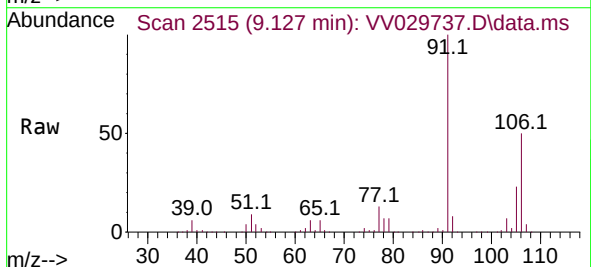
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

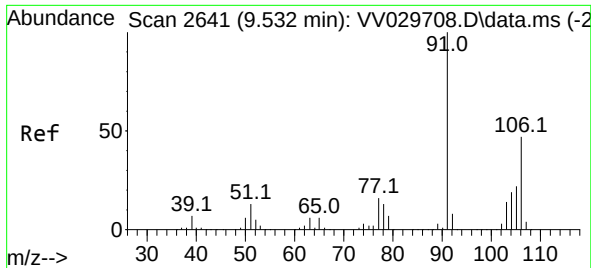
Tgt Ion: 91 Resp: 727774
Ion Ratio Lower Upper
91 100
106 31.3 21.8 40.6



#53
m,p-Xylene
Concen: 50.096 ug/L
RT: 9.127 min Scan# 2515
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

Tgt Ion: 106 Resp: 285400
Ion Ratio Lower Upper
106 100
91 198.3 139.5 259.1

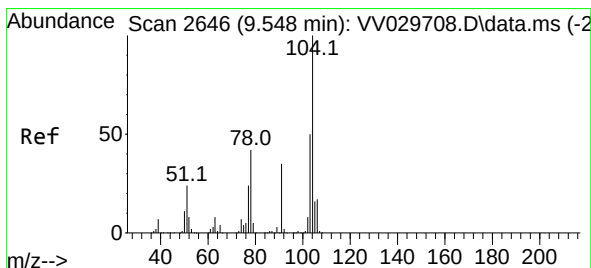
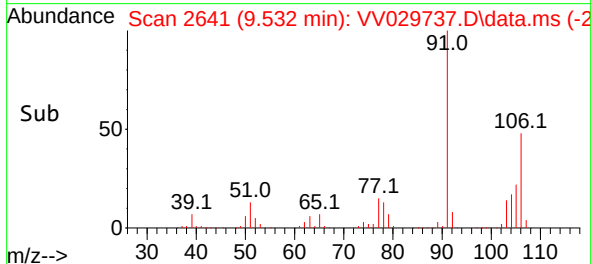
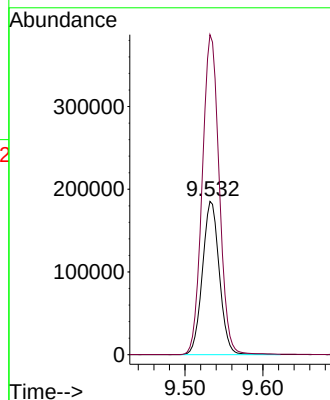
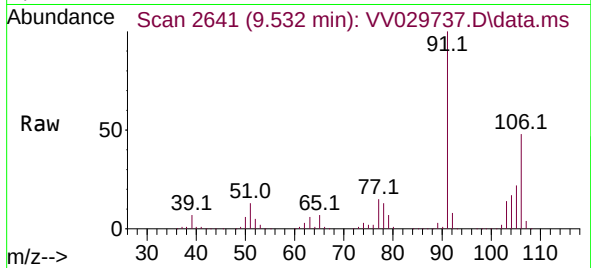




#54
o-Xylene
Concen: 49.703 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

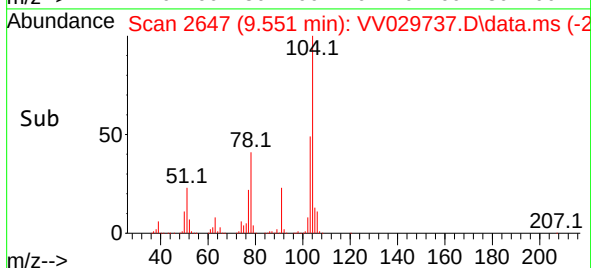
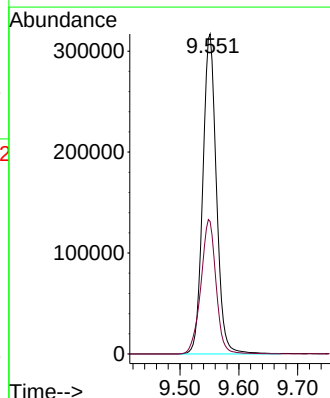
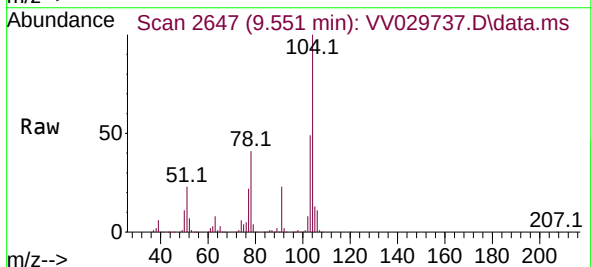
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

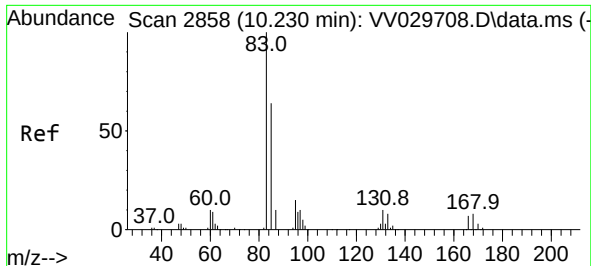
Tgt Ion:106 Resp: 280094
Ion Ratio Lower Upper
106 100
91 208.7 148.0 274.8



#55
Styrene
Concen: 52.150 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.003 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

Tgt Ion:104 Resp: 510714
Ion Ratio Lower Upper
104 100
78 41.4 29.4 54.6

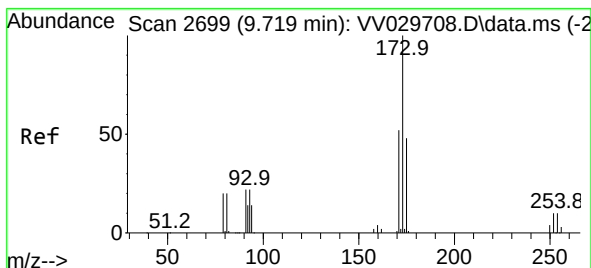
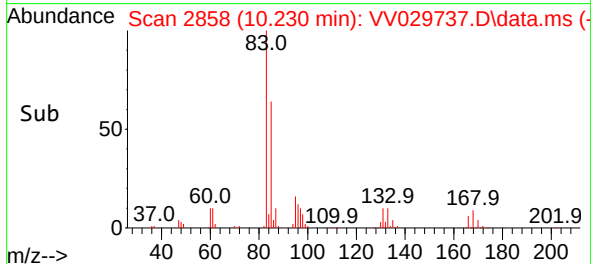
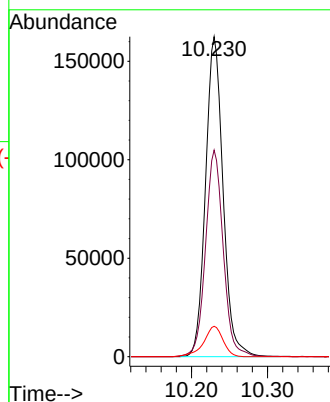
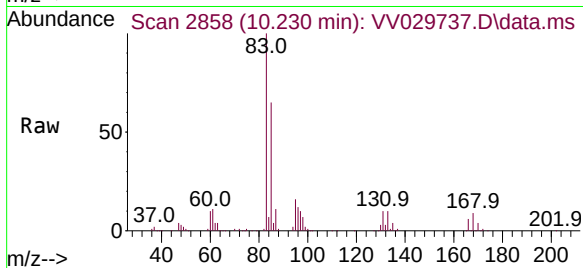




#57
1,1,2,2-Tetrachloroethane
Concen: 51.200 ug/L
RT: 10.230 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

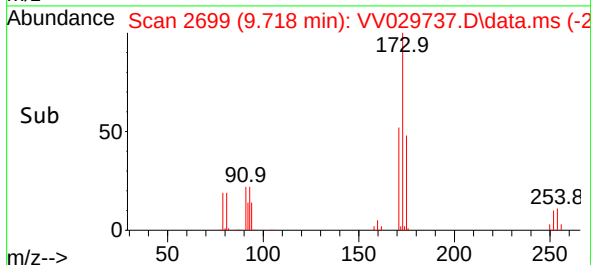
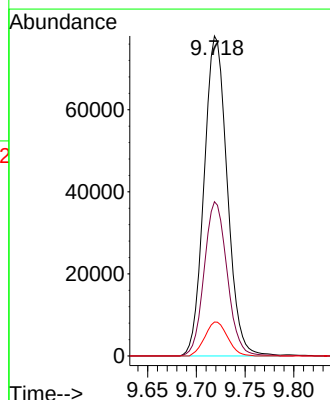
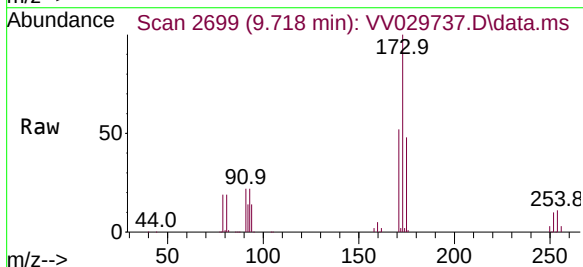
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

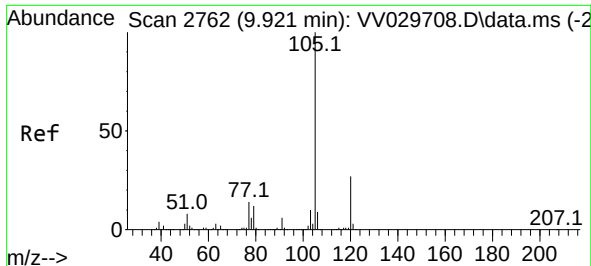
Tgt Ion: 83 Resp: 259774
Ion Ratio Lower Upper
83 100
85 64.6 45.7 84.9
131 9.5 7.9 11.9



#59
Bromoform
Concen: 45.498 ug/L
RT: 9.718 min Scan# 2699
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

Tgt Ion: 173 Resp: 128756
Ion Ratio Lower Upper
173 100
175 47.8 38.4 57.6
254 10.5 7.8 11.8

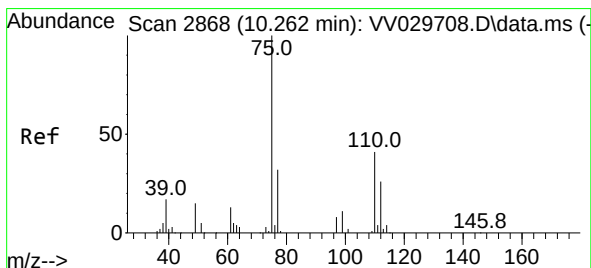
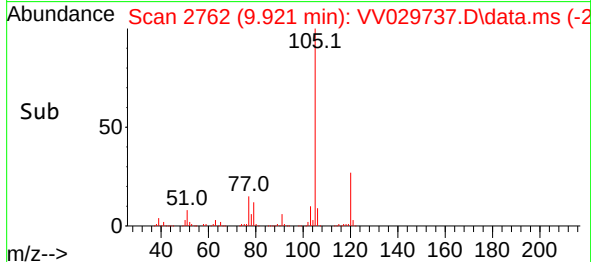
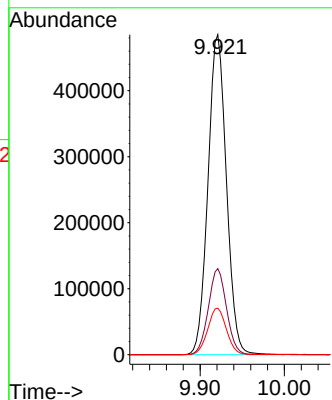
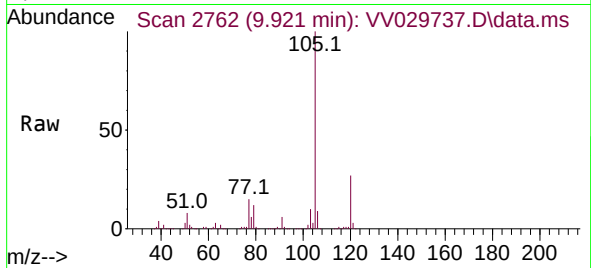




#60
Isopropylbenzene
Concen: 49.048 ug/L
RT: 9.921 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

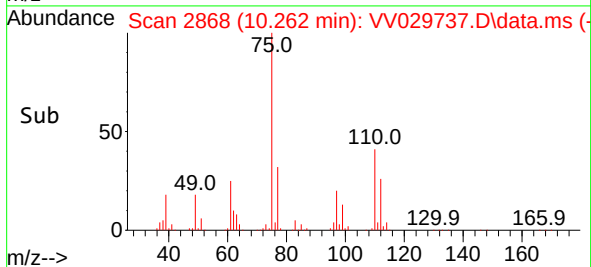
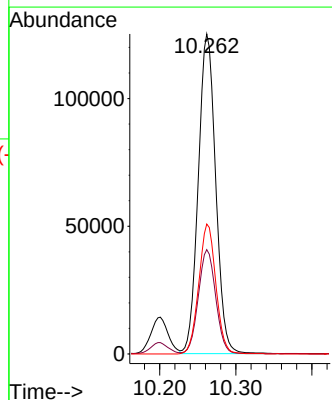
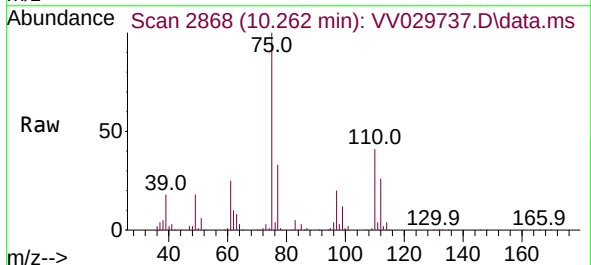
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

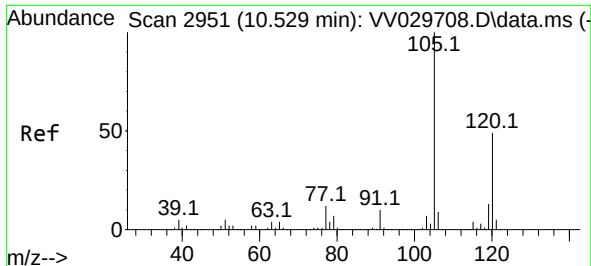
Tgt Ion:105 Resp: 737718
Ion Ratio Lower Upper
105 100
120 26.5 21.1 31.7
77 14.8 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 50.405 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

Tgt Ion: 75 Resp: 199319
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2
110 39.8 32.7 49.1





#62

1,3,5-Trimethylbenzene

Concen: 48.370 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VV029737.D

Acq: 20 Dec 2022 09:23

Instrument :

MSVOA_V

ClientSampleId :

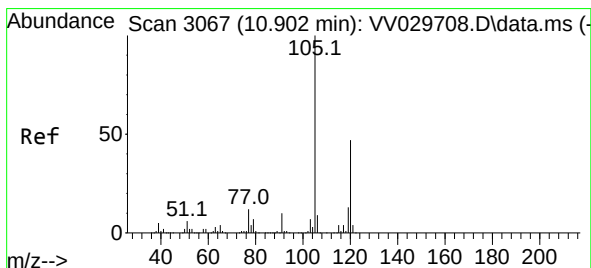
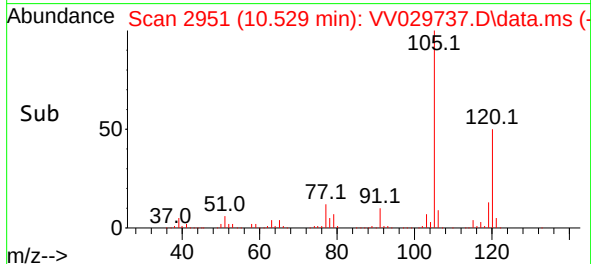
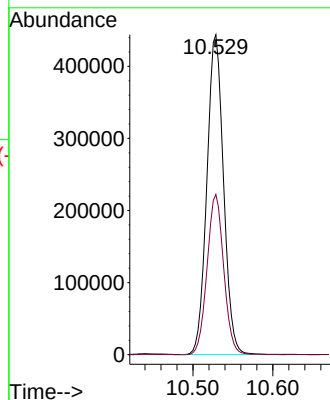
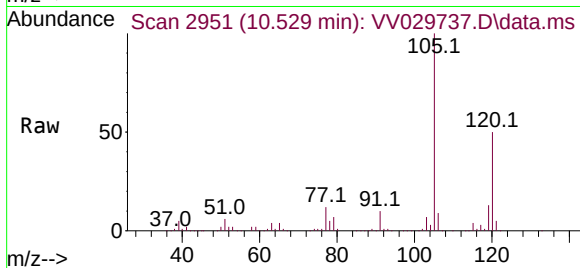
VSTD050393

Tgt Ion:105 Resp: 643264

Ion Ratio Lower Upper

105 100

120 50.1 40.0 60.0



#63

1,2,4-Trimethylbenzene

Concen: 48.698 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. -0.000 min

Lab File: VV029737.D

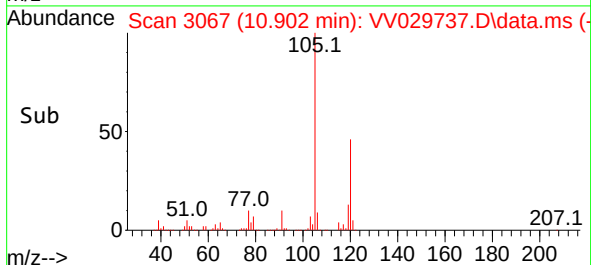
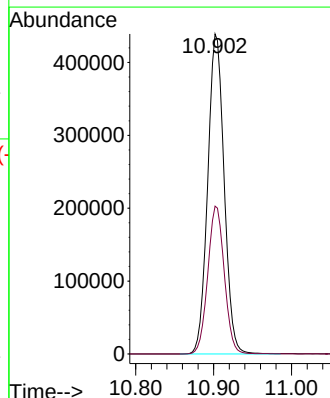
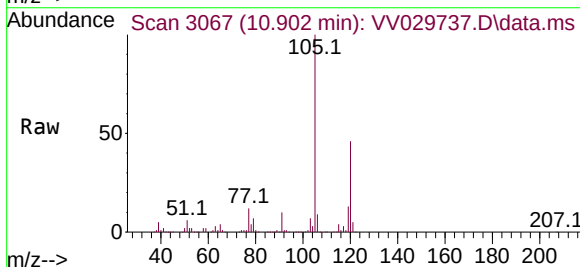
Acq: 20 Dec 2022 09:23

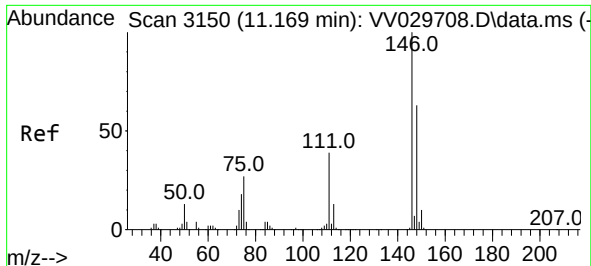
Tgt Ion:105 Resp: 641963

Ion Ratio Lower Upper

105 100

120 46.6 36.7 55.1

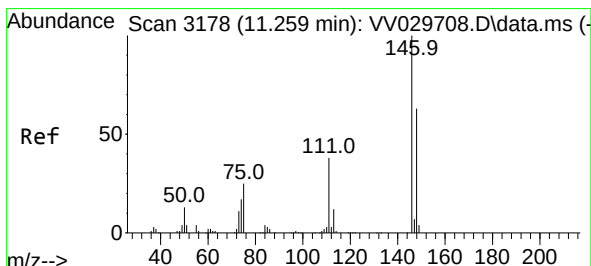
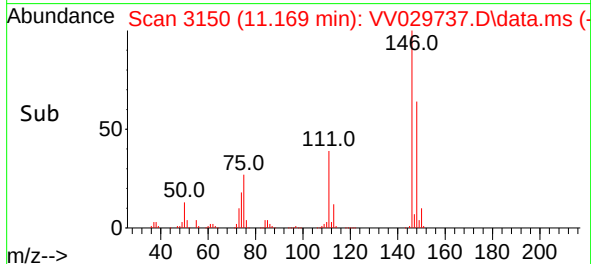
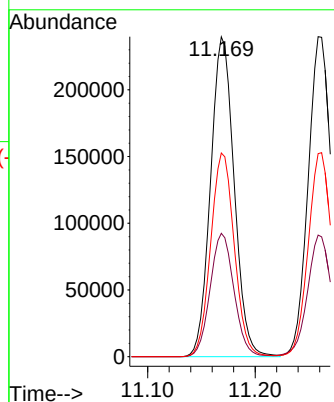
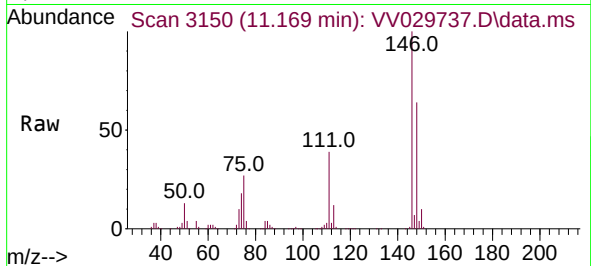




#64
1,3-Dichlorobenzene
Concen: 49.784 ug/L
RT: 11.169 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

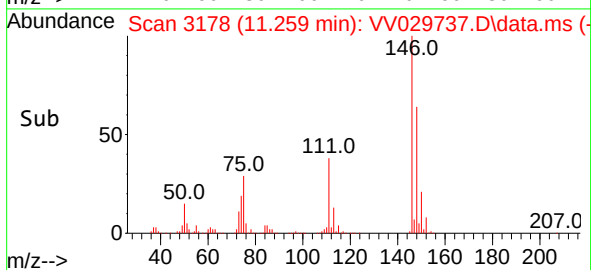
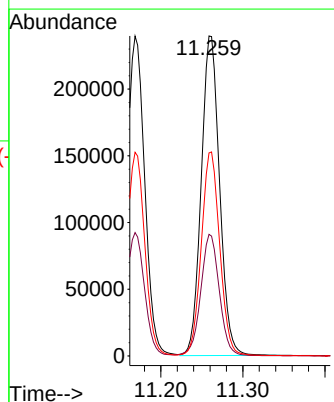
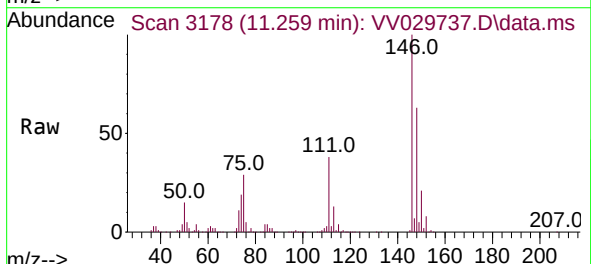
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

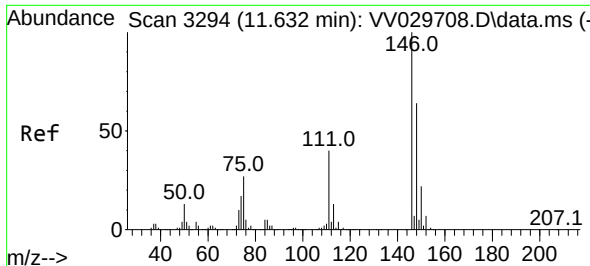
Tgt Ion:146 Resp: 366121
Ion Ratio Lower Upper
146 100
111 38.6 27.4 51.0
148 63.7 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 49.855 ug/L
RT: 11.259 min Scan# 3178
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

Tgt Ion:146 Resp: 372616
Ion Ratio Lower Upper
146 100
111 38.0 26.2 48.8
148 63.5 44.7 83.1

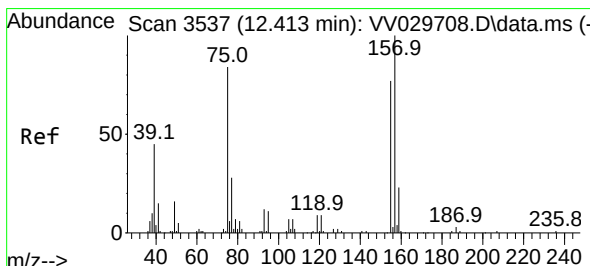
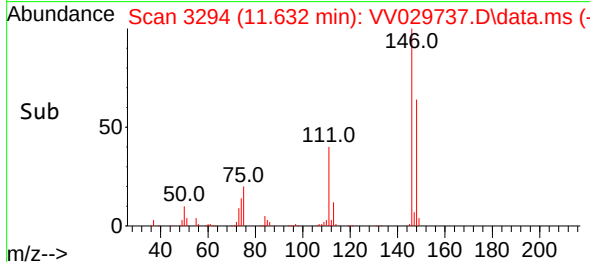
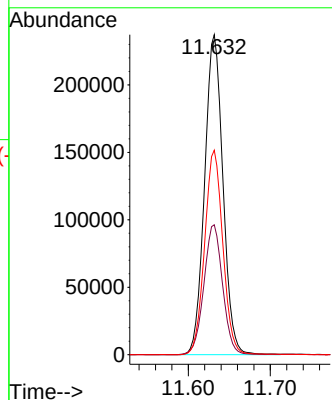
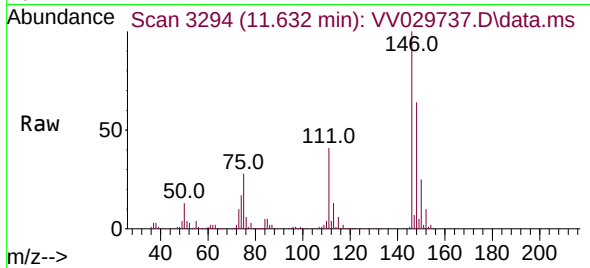




#67
1,2-Dichlorobenzene
Concen: 48.906 ug/L
RT: 11.632 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

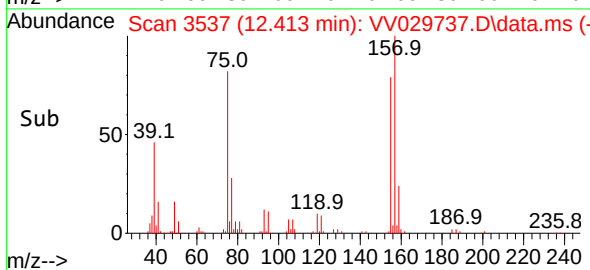
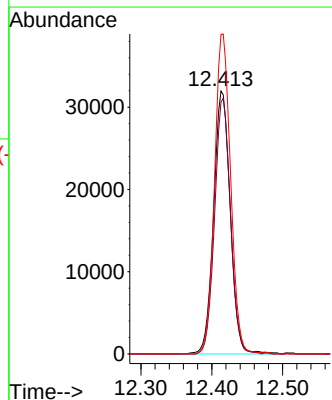
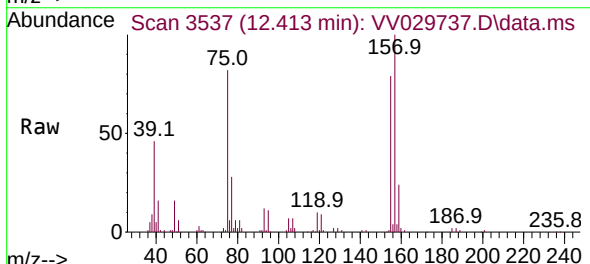
Instrument :
MSVOA_V
ClientSampleId :
VSTD050393

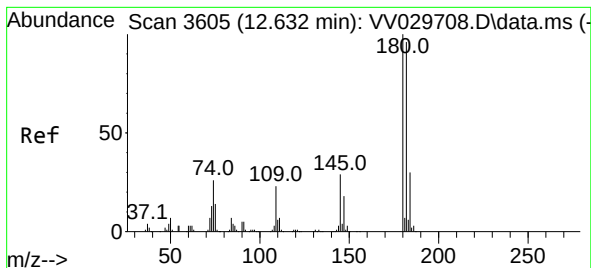
Tgt Ion:146 Resp: 367788
Ion Ratio Lower Upper
146 100
111 40.6 32.0 48.0
148 63.9 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 42.316 ug/L
RT: 12.413 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VV029737.D
Acq: 20 Dec 2022 09:23

Tgt Ion: 75 Resp: 52007
Ion Ratio Lower Upper
75 100
155 95.8 76.2 114.2
157 121.5 96.0 144.0





#69

1,3,5-Trichlorobenzene

Concen: 46.536 ug/L

RT: 12.632 min Scan# 3605

Delta R.T. -0.000 min

Lab File: VV029737.D

Acq: 20 Dec 2022 09:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD050393

Tgt Ion:180 Resp: 272354

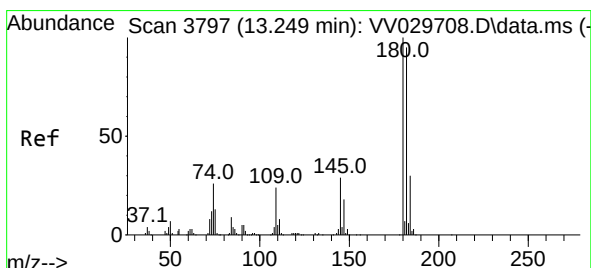
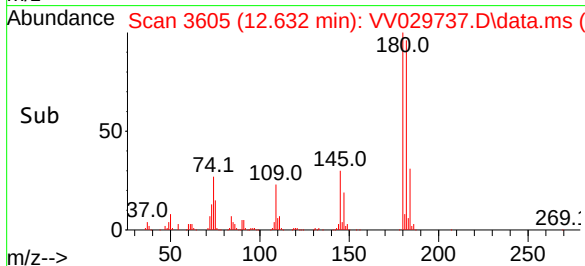
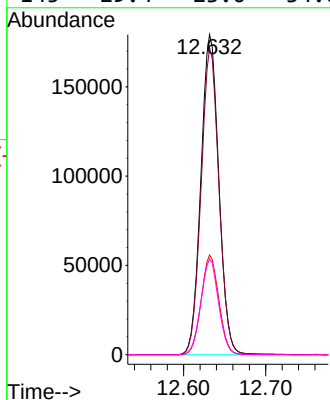
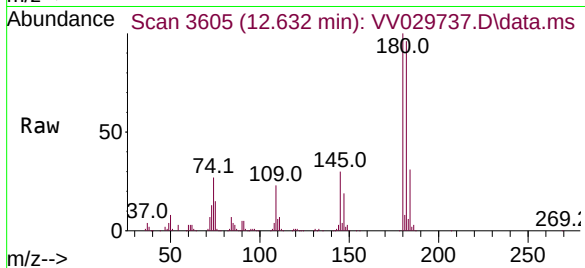
Ion Ratio Lower Upper

180 100

182 95.2 76.5 114.7

184 30.6 24.6 36.8

145 29.4 23.0 34.6



#70

1,2,4-trichlorobenzene

Concen: 46.646 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. -0.000 min

Lab File: VV029737.D

Acq: 20 Dec 2022 09:23

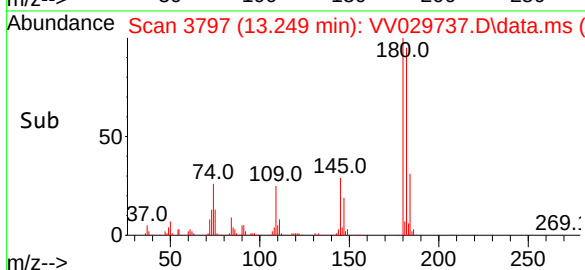
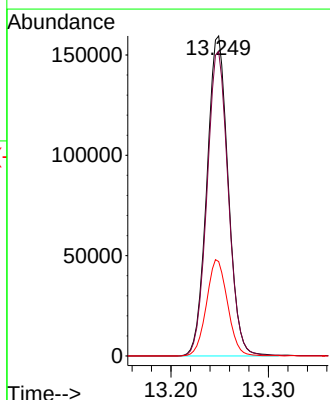
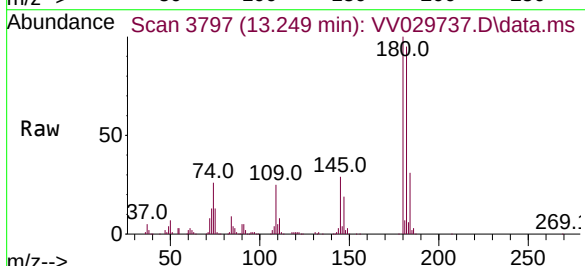
Tgt Ion:180 Resp: 242759

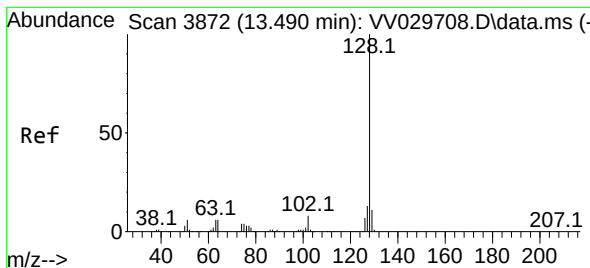
Ion Ratio Lower Upper

180 100

182 94.8 76.3 114.5

145 29.7 23.7 35.5





#71

Naphthalene

Concen: 45.477 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. -0.000 min

Lab File: VV029737.D

Acq: 20 Dec 2022 09:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD050393

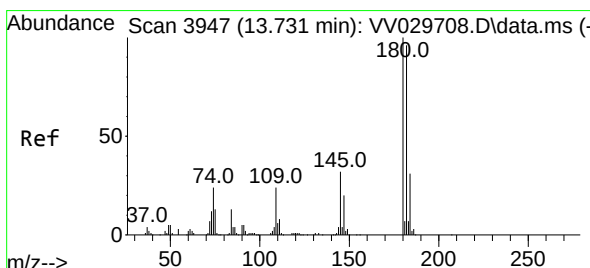
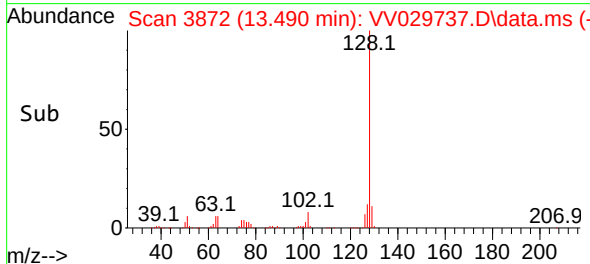
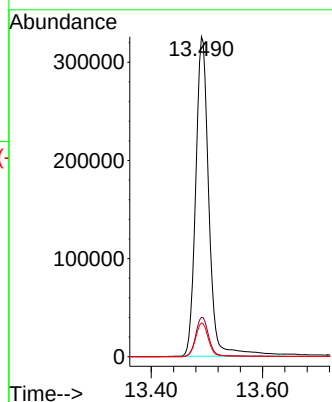
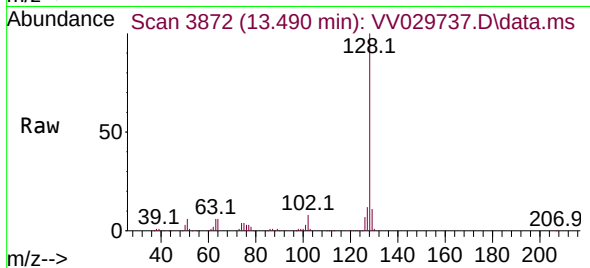
Tgt Ion:128 Resp: 536844

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.4

129 10.4 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 48.722 ug/L

RT: 13.728 min Scan# 3946

Delta R.T. -0.003 min

Lab File: VV029737.D

Acq: 20 Dec 2022 09:23

Tgt Ion:180 Resp: 248360

Ion Ratio Lower Upper

180 100

182 94.8 76.4 114.6

145 31.5 25.0 37.6

