

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112222\
 Data File : VW029294.D
 Acq On : 23 Nov 2022 04:18
 Operator : SY/MD
 Sample : N5648-09MSD
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H46E7MSD

Quant Time: Nov 23 04:50:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 23 01:46:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	279534	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	248285	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	121767	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	142433	5.342	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 106.800%	
7) Chloroethane-d5	1.565	69	105810	5.069	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 101.400%	
11) 1,1-Dichloroethene-d2	2.105	63	230788	5.081	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 101.600%	
20) 2-Butanone-d5	3.899	46	225301	57.241	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 114.480%	
24) Chloroform-d	4.339	84	191972	5.077	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 101.600%	
26) 1,2-Dichloroethane-d4	5.024	65	94595	5.289	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 105.800%	
32) Benzene-d6	5.043	84	412798	5.099	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 102.000%	
36) 1,2-Dichloropropane-d6	6.063	67	133033	5.201	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 104.000%	
41) Toluene-d8	7.307	98	378296	5.187	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 103.800%	
43) trans-1,3-Dichloroprop...	7.616	79	40811	4.792	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 95.800%	
46) 2-Hexanone-d5	8.085	63	114016	74.684	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 149.360%#	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	74933	5.893	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 117.800%	
66) 1,2-Dichlorobenzene-d4	11.612	152	121449	5.170	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 103.400%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	116322	4.982	ug/L	98
3) Chloromethane	1.240	50	153431	4.781	ug/L	99
5) Vinyl chloride	1.307	62	549451	17.846	ug/L	96
6) Bromomethane	1.520	94	76016	4.466	ug/L	99
8) Chloroethane	1.584	64	91925	4.983	ug/L	100
9) Trichlorofluoromethane	1.751	101	167820	4.771	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	95096	4.564	ug/L	100
12) 1,1-Dichloroethene	2.114	96	97362	4.720	ug/L	95
13) Acetone	2.195	43	158481	48.537	ug/L	98
14) Carbon disulfide	2.291	76	268578	4.611	ug/L	100
15) Methyl Acetate	2.439	43	27760	3.271	ug/L	96
16) Methylene chloride	2.500	84	106890	3.292	ug/L	97
17) Methyl tert-butyl Ether	2.761	73	11361110	250.744	ug/L	97
18) trans-1,2-Dichloroethene	2.754	96	123864	5.910	ug/L	99
19) 1,1-Dichloroethane	3.182	63	270076	6.394	ug/L	100
21) 2-Butanone	3.982	43	250088	48.398	ug/L	97
22) cis-1,2-Dichloroethene	3.902	96	122082	5.338	ug/L	97
23) Bromochloromethane	4.240	128	42152	4.932	ug/L	96
25) Chloroform	4.365	83	195636	4.868	ug/L	100

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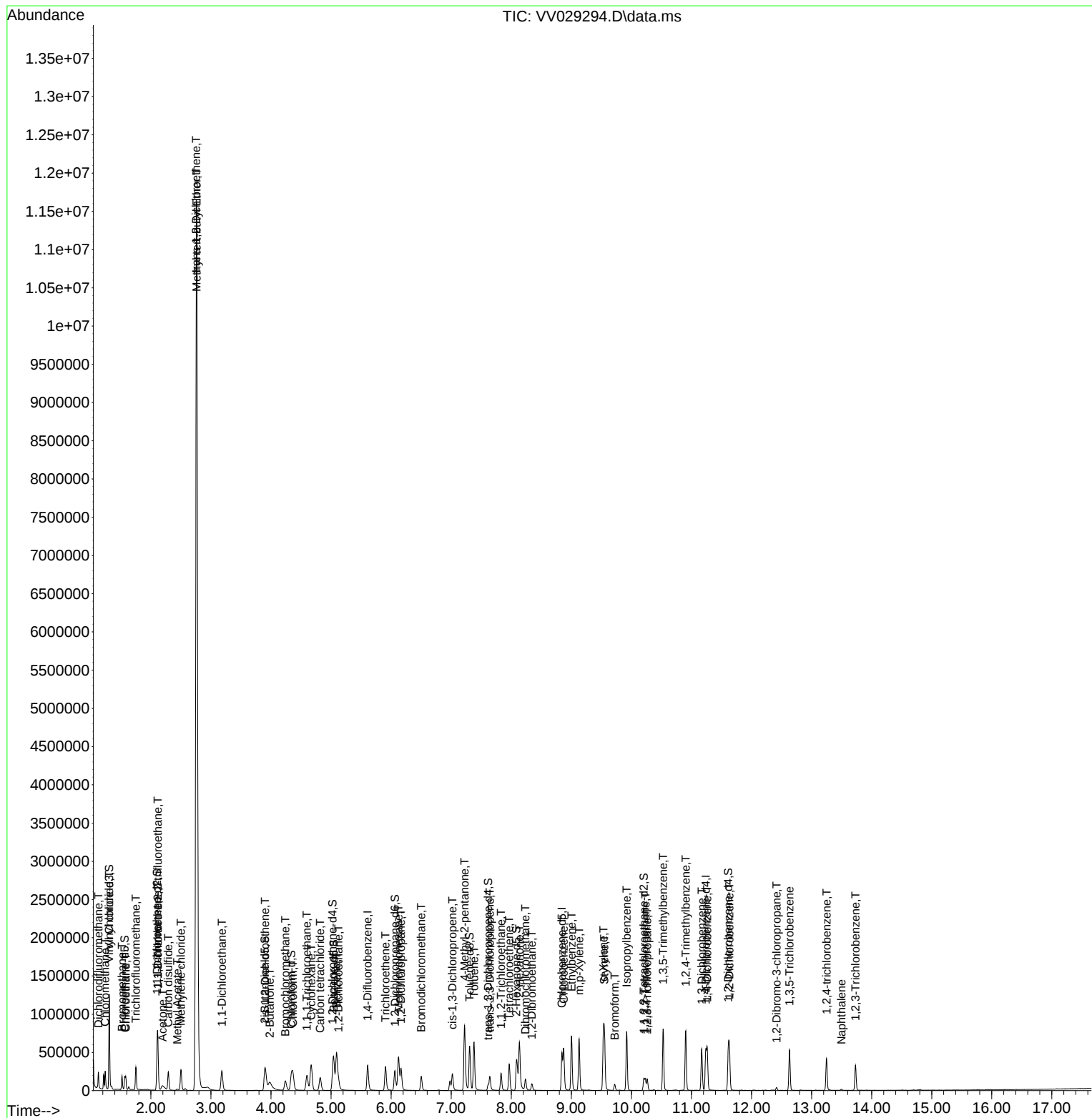
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	111719	5.075	ug/L	97
29) 1,1,1-Trichloroethane	4.597	97	161537	4.916	ug/L	99
30) Cyclohexane	4.671	56	193067	4.859	ug/L	100
31) Carbon tetrachloride	4.818	117	124335	4.743	ug/L	98
33) Benzene	5.092	78	487503	5.392	ug/L	100
34) Trichloroethene	5.905	95	112677	4.736	ug/L	98
35) Methylcyclohexane	6.124	83	175423	4.562	ug/L	99
37) 1,2-Dichloropropane	6.166	63	115948	4.946	ug/L	100
38) Bromodichloromethane	6.500	83	126334	4.816	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	138122	4.551	ug/L	97
40) 4-Methyl-2-pentanone	7.223	43	640870	54.147	ug/L	98
42) Toluene	7.381	91	465106	5.004	ug/L	100
44) trans-1,3-Dichloropropene	7.645	75	108845	4.655	ug/L	97
45) 1,1,2-Trichloroethane	7.831	97	70398	5.061	ug/L	99
47) Tetrachloroethene	7.966	164	73402	4.698	ug/L	98
48) 2-Hexanone	8.137	43	458329	51.186	ug/L	98
49) Dibromochloromethane	8.236	129	69212	4.760	ug/L	98
50) 1,2-Dibromoethane	8.342	107	59346	5.042	ug/L	99
51) Chlorobenzene	8.873	112	276825	4.901	ug/L	99
52) Ethylbenzene	9.005	91	493072	4.929	ug/L	100
53) m,p-Xylene	9.130	106	182201	4.906	ug/L	99
54) o-Xylene	9.535	106	180825	4.976	ug/L	99
55) Styrene	9.551	104	312549	5.030	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.233	83	73431	5.907	ug/L	98
59) Bromoform	9.722	173	34273	4.798	ug/L	97
60) Isopropylbenzene	9.921	105	482648	4.915	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	60973	5.233	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	407234	4.883	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	412250	4.970	ug/L	100
64) 1,3-Dichlorobenzene	11.172	146	205206	4.775	ug/L	97
65) 1,4-Dichlorobenzene	11.262	146	202465	4.809	ug/L	98
67) 1,2-Dichlorobenzene	11.632	146	191384	4.916	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.419	75	9182	5.248	ug/L	94
69) 1,3,5-Trichlorobenzene	12.632	180	151066	4.514	ug/L	100
70) 1,2,4-trichlorobenzene	13.249	180	115248	4.437	ug/L	98
71) Naphthalene	13.497	128	11255	1.271	ug/L	97
72) 1,2,3-Trichlorobenzene	13.731	180	94399	4.514	ug/L	99

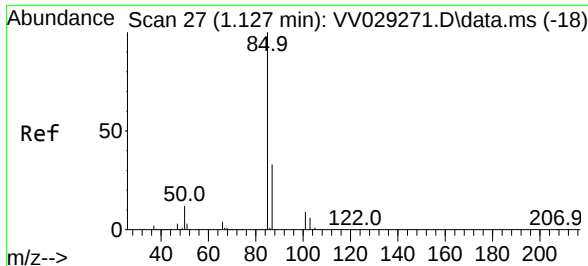
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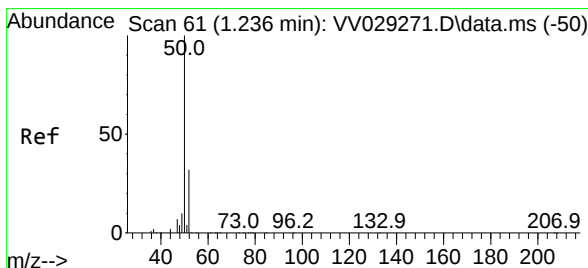
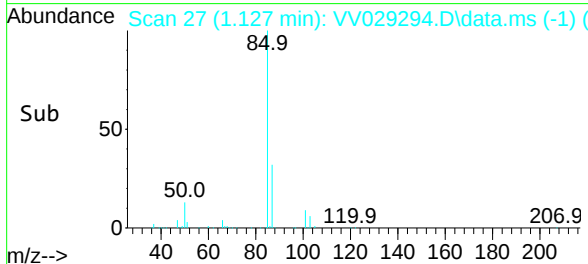
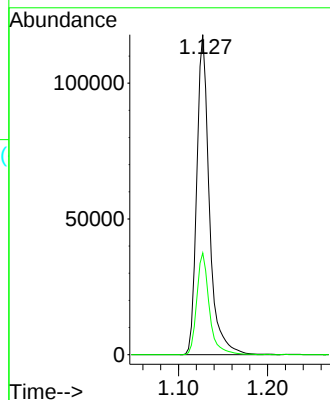
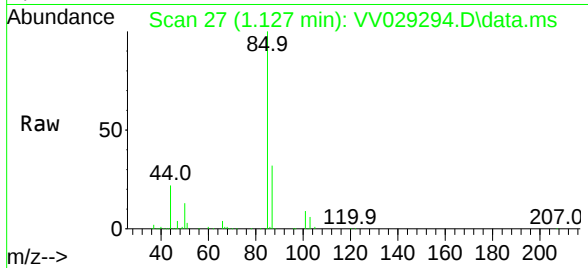




#2
 Dichlorodifluoromethane
 Concen: 4.982 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV029294.D
 Acq: 23 Nov 2022 04:18

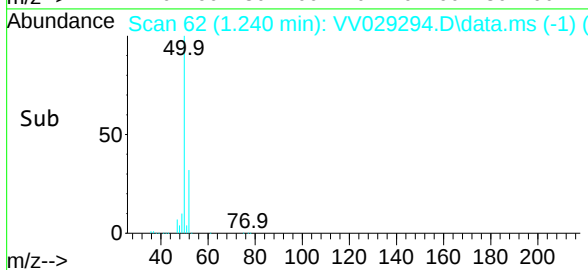
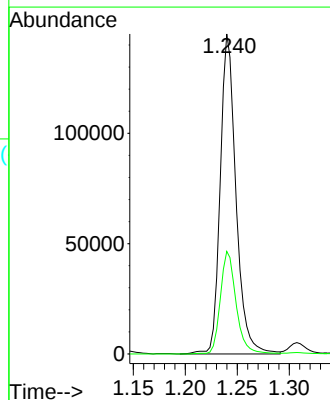
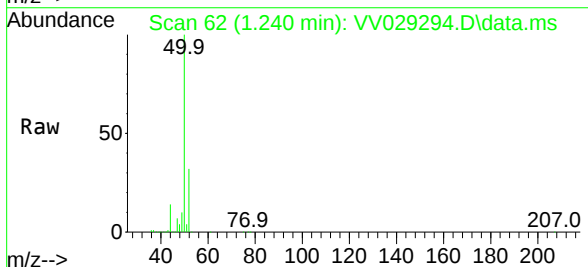
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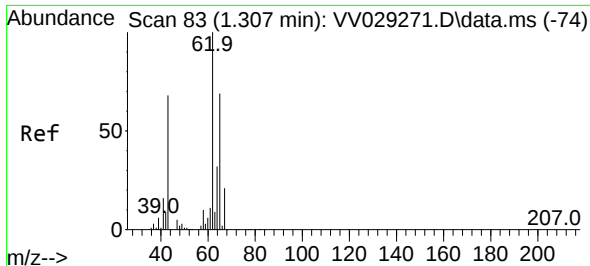
Tgt Ion: 85 Resp: 116322
 Ion Ratio Lower Upper
 85 100
 87 31.6 26.3 39.5



#3
 Chloromethane
 Concen: 4.781 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.003 min
 Lab File: VV029294.D
 Acq: 23 Nov 2022 04:18

Tgt Ion: 50 Resp: 153431
 Ion Ratio Lower Upper
 50 100
 52 32.1 22.8 42.4

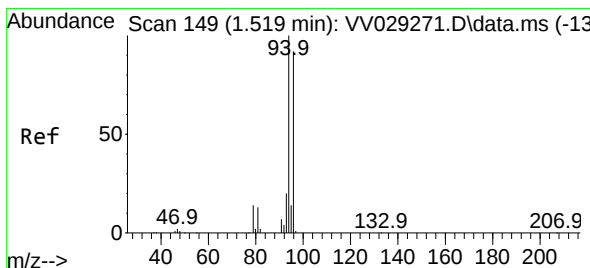
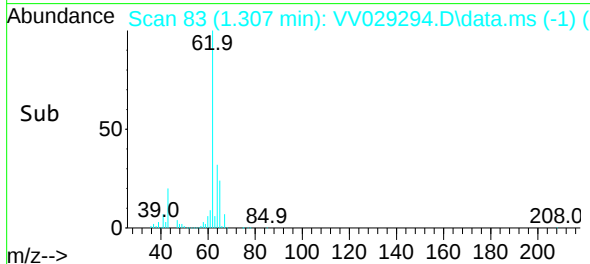
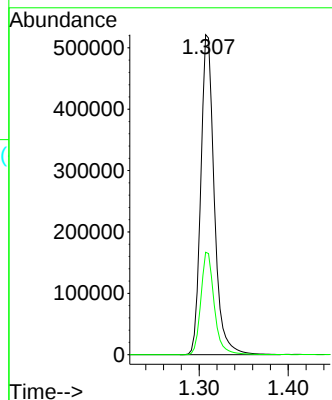
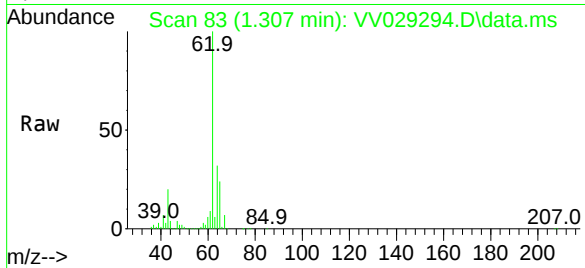




#5
 Vinyl chloride
 Concen: 17.846 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VV029294.D
 Acq: 23 Nov 2022 04:18

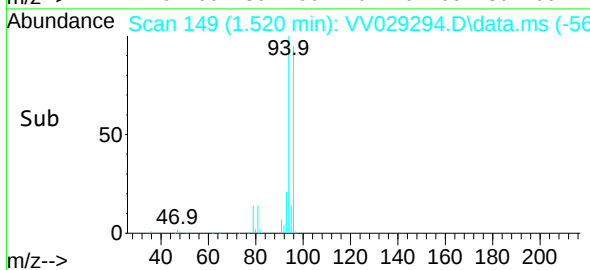
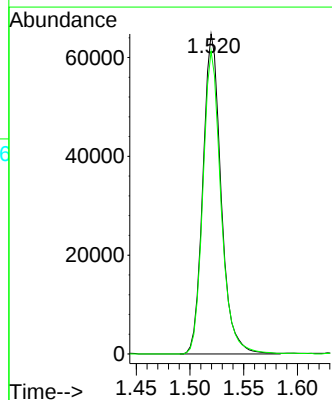
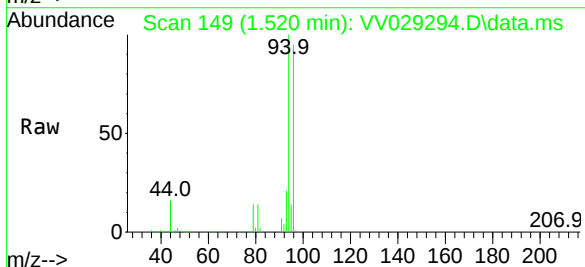
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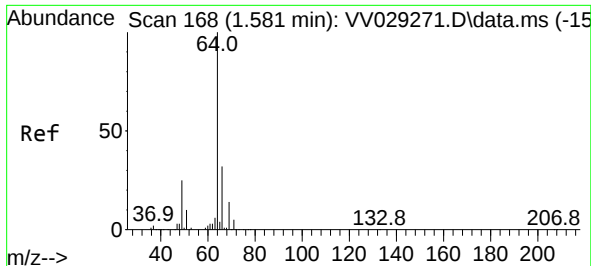
Tgt Ion: 62 Resp: 549451
 Ion Ratio Lower Upper
 62 100
 64 32.0 23.8 44.2



#6
 Bromomethane
 Concen: 4.466 ug/L
 RT: 1.520 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV029294.D
 Acq: 23 Nov 2022 04:18

Tgt Ion: 94 Resp: 76016
 Ion Ratio Lower Upper
 94 100
 96 94.7 66.8 124.2

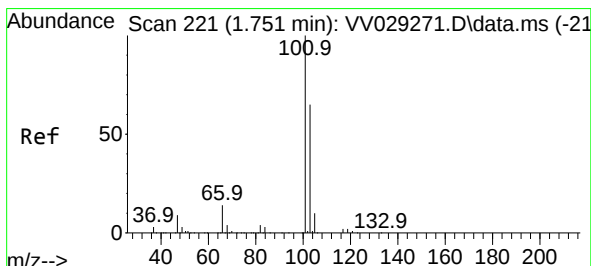
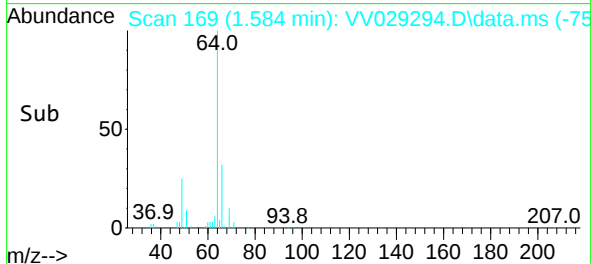
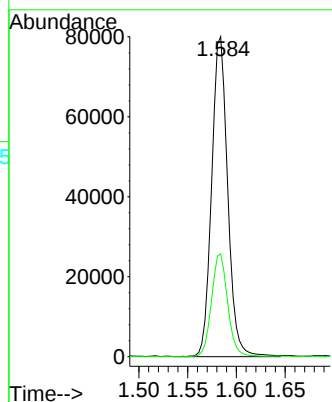
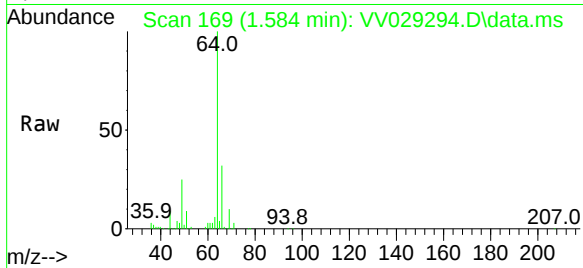




#8
Chloroethane
Concen: 4.983 ug/L
RT: 1.584 min Scan# 168
Delta R.T. 0.003 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

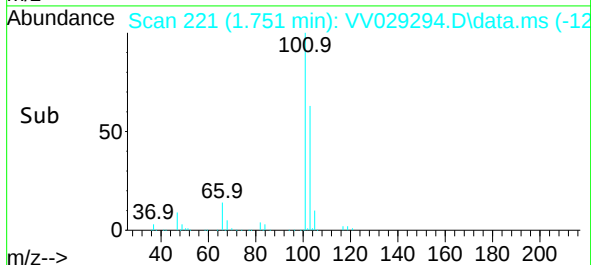
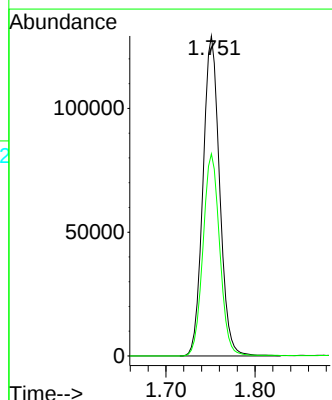
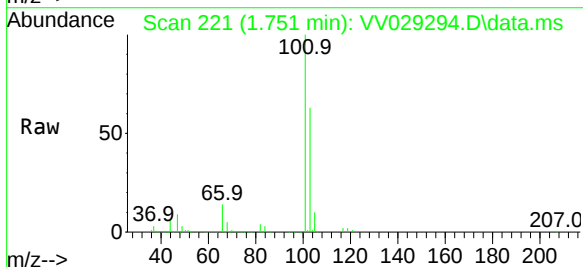
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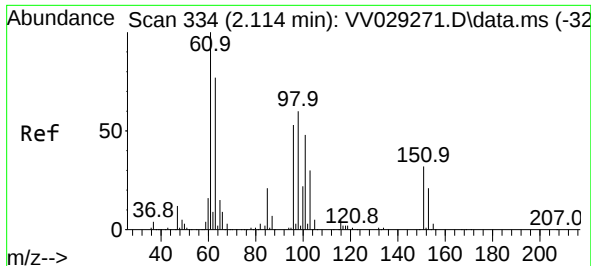
Tgt Ion: 64 Resp: 91925
Ion Ratio Lower Upper
64 100
66 32.1 22.6 42.0



#9
Trichlorofluoromethane
Concen: 4.771 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.000 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

Tgt Ion:101 Resp: 167820
Ion Ratio Lower Upper
101 100
103 63.4 51.7 77.5

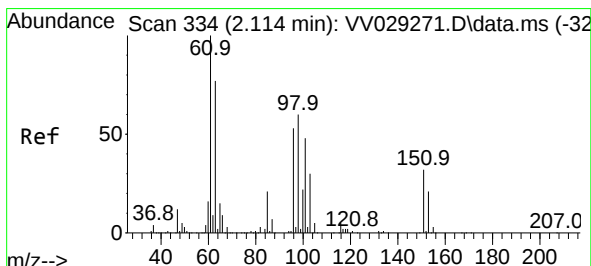
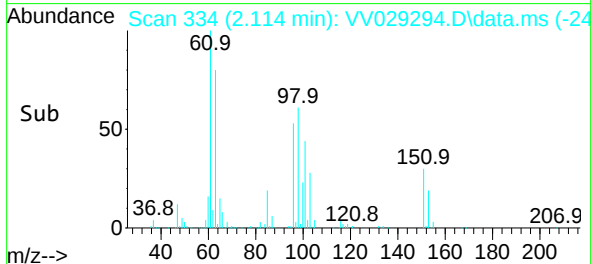
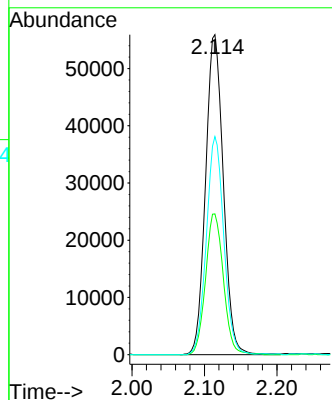
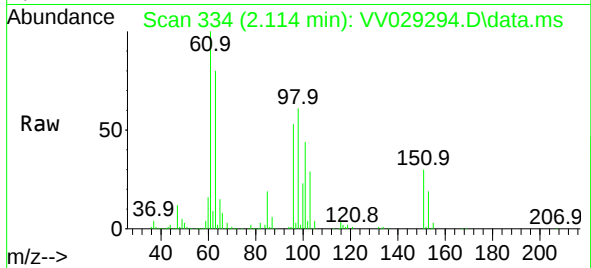




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.564 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.000 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

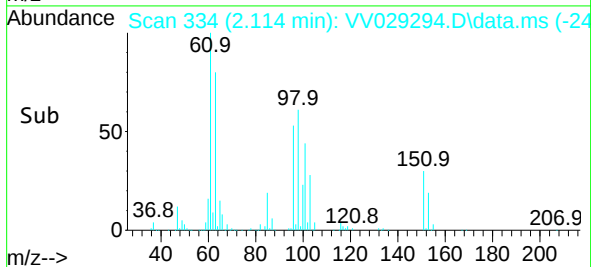
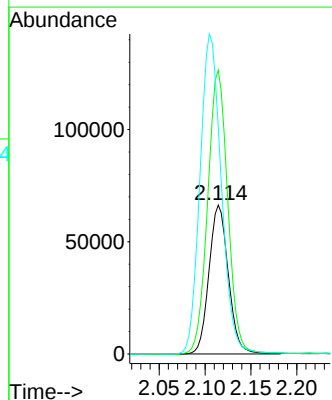
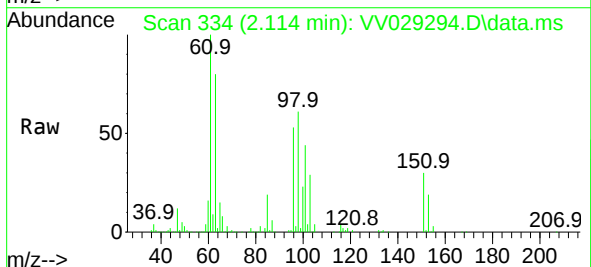
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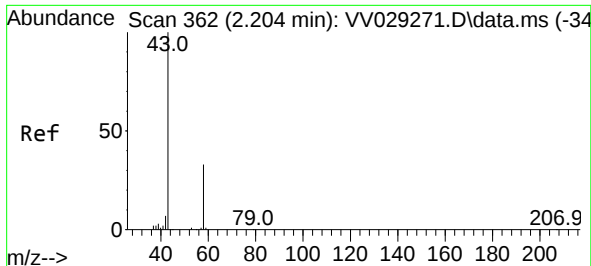
Tgt Ion:101 Resp: 95096
Ion Ratio Lower Upper
101 100
85 44.0 34.7 52.1
151 66.9 53.4 80.2



#12
1,1-Dichloroethene
Concen: 4.720 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.000 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

Tgt Ion: 96 Resp: 97362
Ion Ratio Lower Upper
96 100
61 190.5 131.9 245.0
63 152.2 98.6 183.0

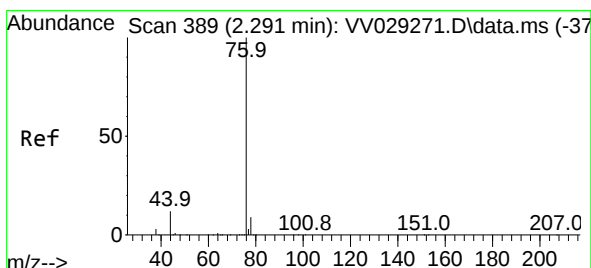
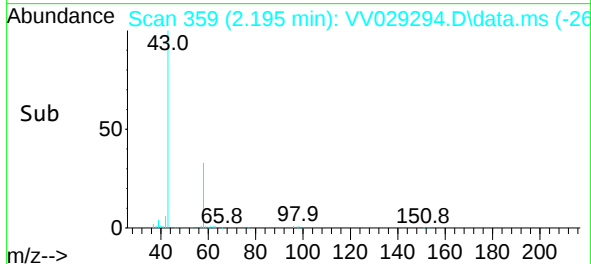
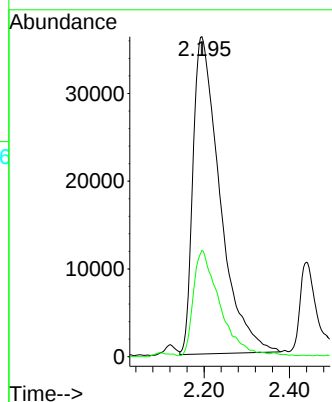
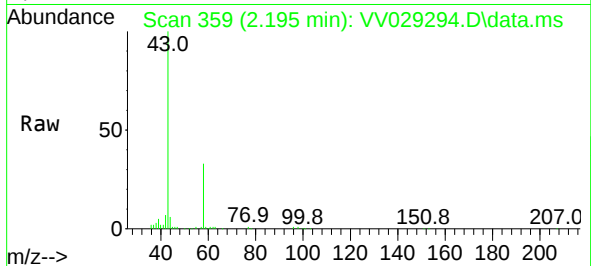




#13
Acetone
Concen: 48.537 ug/L
RT: 2.195 min Scan# 31
Delta R.T. -0.010 min
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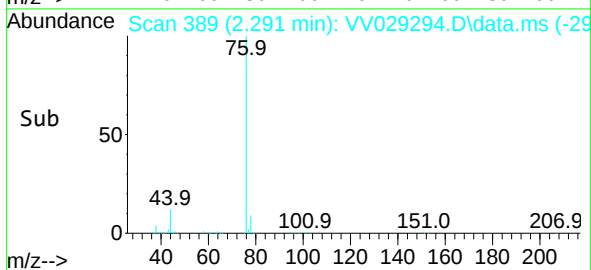
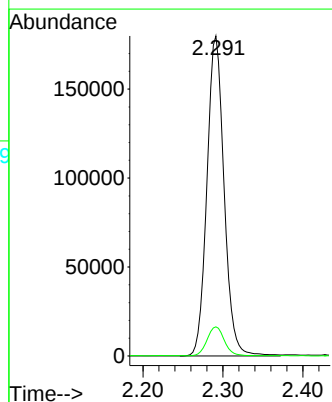
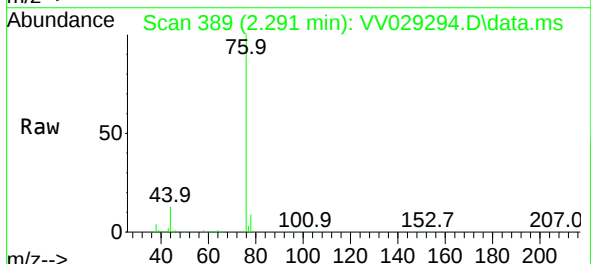
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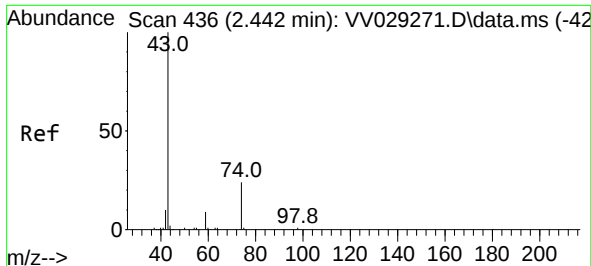
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Ion Ratio Lower Upper
43 100
58 31.7 0.0 65.2



#14
Carbon disulfide
Concen: 4.611 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.000 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

Tgt Ion: 76 Resp: 268578
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

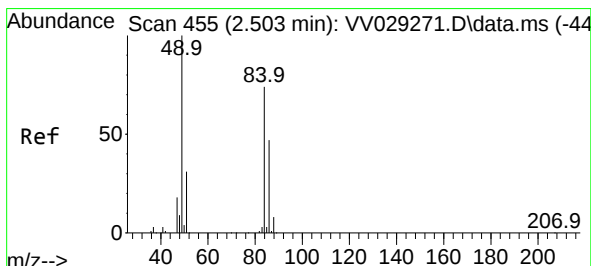
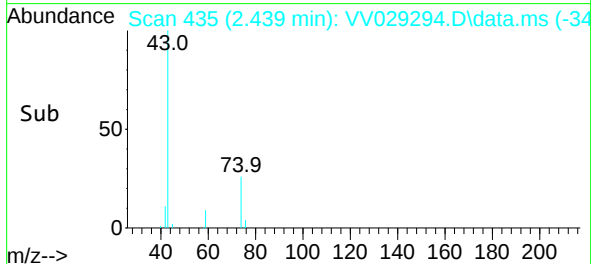
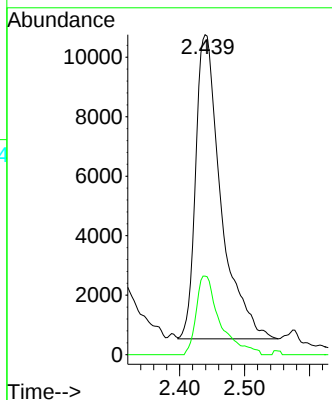
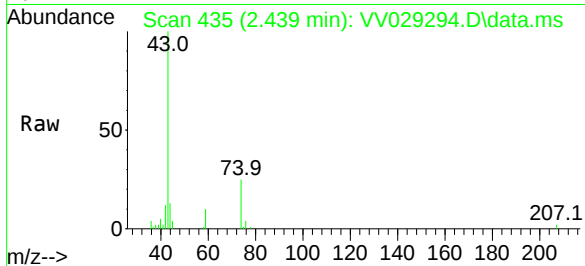




#15
Methyl Acetate
Concen: 3.271 ug/L
RT: 2.439 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

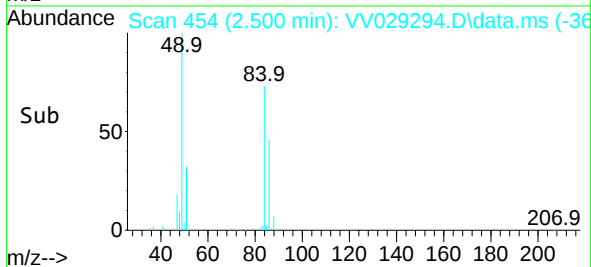
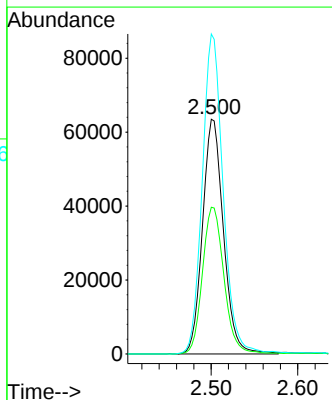
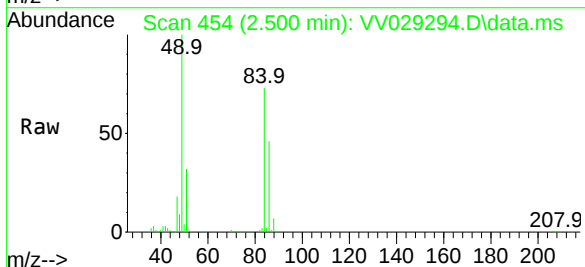
Instrument :
MSVOA_V
ClientSampleId :
H46E7MSD

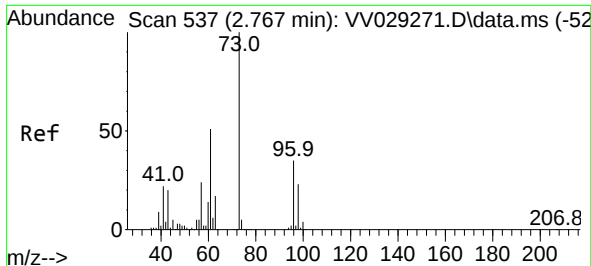
Tgt Ion: 43 Resp: 27760
Ion Ratio Lower Upper
43 100
74 24.2 18.0 27.0



#16
Methylene chloride
Concen: 3.292 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.003 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

Tgt Ion: 84 Resp: 106890
Ion Ratio Lower Upper
84 100
86 62.5 44.2 82.2
49 136.3 91.9 170.7

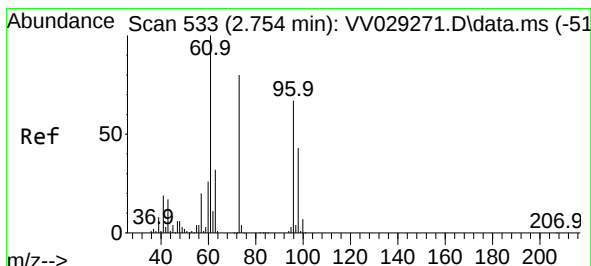
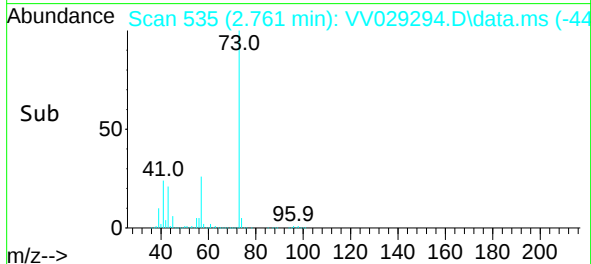
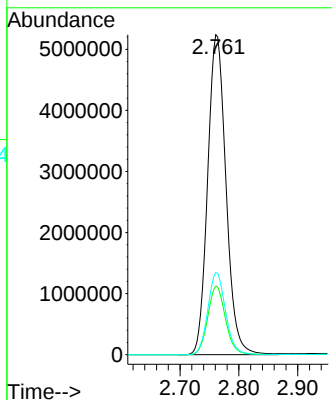
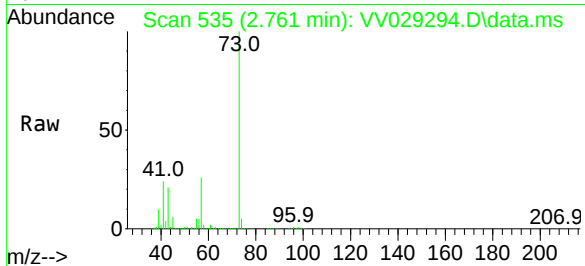




#17
Methyl tert-butyl Ether
Concen: 250.744 ug/L
RT: 2.761 min Scan# 511
Delta R.T. -0.006 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

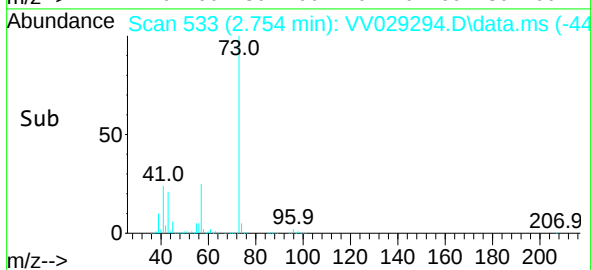
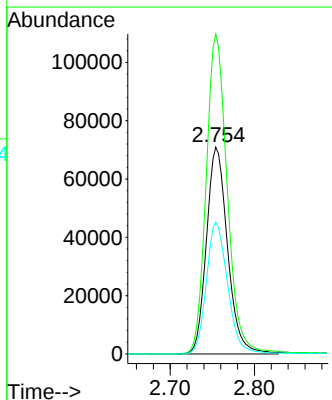
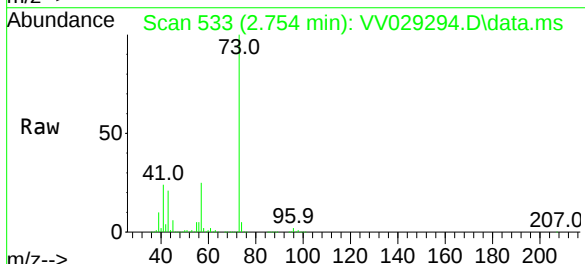
Instrument :
MSVOA_V
ClientSampleId :
H46E7MSD

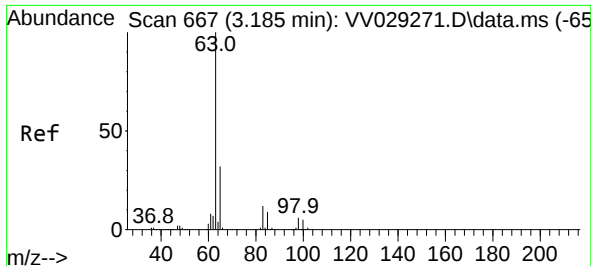
Tgt Ion: 73 Resp:11361110
Ion Ratio Lower Upper
73 100
43 20.7 15.4 23.2
57 24.9 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 5.910 ug/L
RT: 2.754 min Scan# 533
Delta R.T. 0.000 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

Tgt Ion: 96 Resp: 123864
Ion Ratio Lower Upper
96 100
61 154.8 107.6 199.8
98 63.9 44.3 82.3





#19

1,1-Dichloroethane

Concen: 6.394 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

Instrument :

MSVOA_V

ClientSampleId :

H46E7MSD

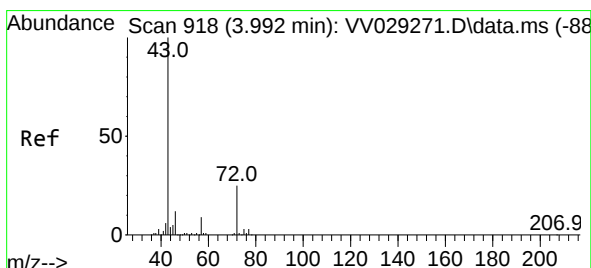
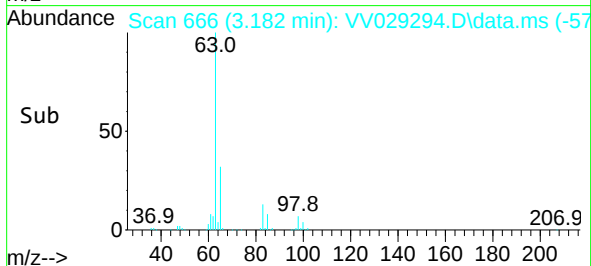
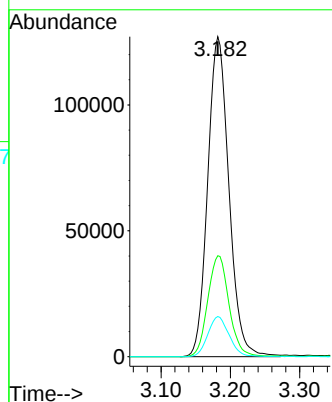
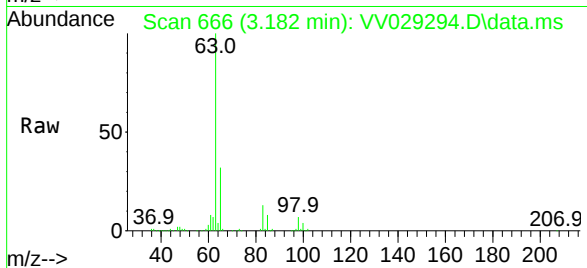
Tgt Ion: 63 Resp: 270076

Ion Ratio Lower Upper

63 100

65 31.6 22.1 41.1

83 12.6 9.0 16.8



#21

2-Butanone

Concen: 48.398 ug/L

RT: 3.982 min Scan# 915

Delta R.T. -0.010 min

Lab File: VV029294.D

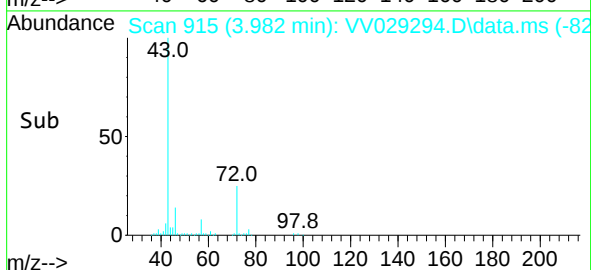
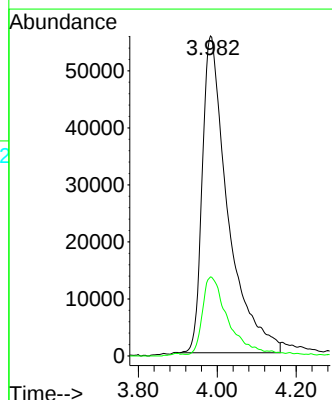
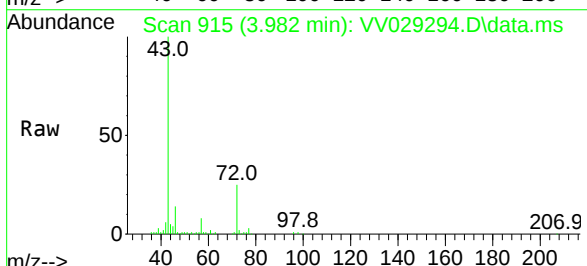
Acq: 23 Nov 2022 04:18

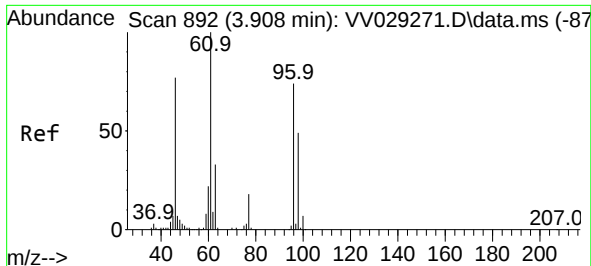
Tgt Ion: 43 Resp: 250088

Ion Ratio Lower Upper

43 100

72 23.9 11.3 33.8

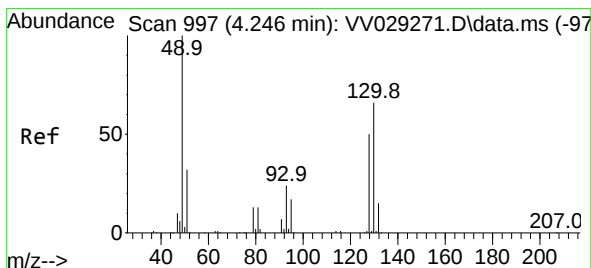
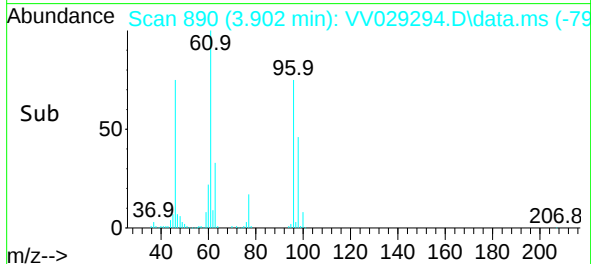
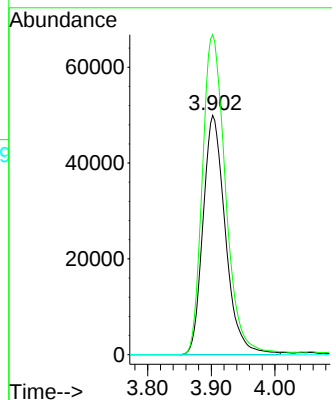
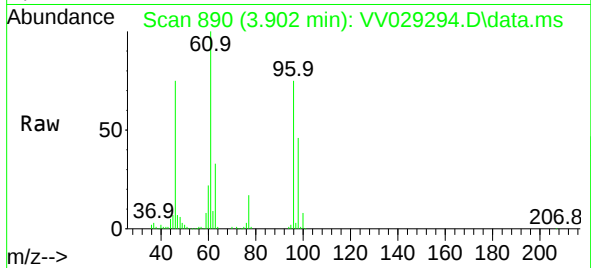




#22
 cis-1,2-Dichloroethene
 Concen: 5.338 ug/L
 RT: 3.902 min Scan# 892
 Delta R.T. -0.006 min
 Lab File: VV029294.D
 Acq: 23 Nov 2022 04:18

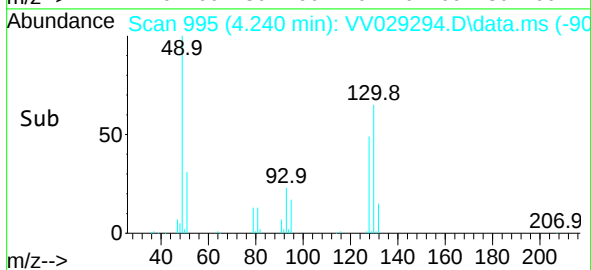
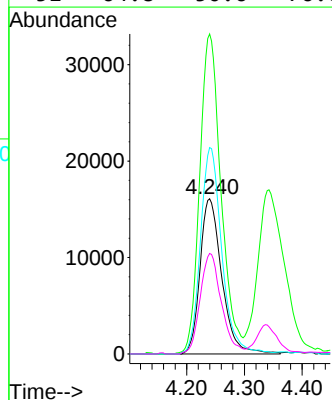
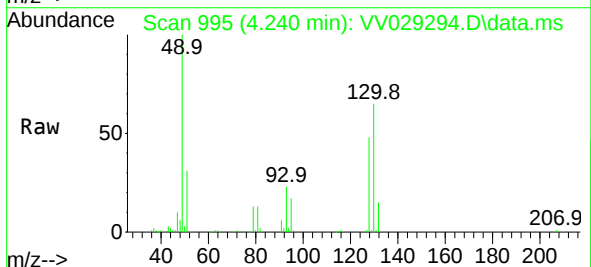
Instrument :
 MSVOA_V
 ClientSampleId :
 H46E7MSD

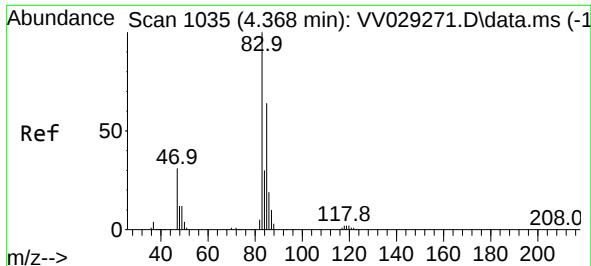
Tgt Ion: 96 Resp: 122082
 Ion Ratio Lower Upper
 96 100
 61 133.6 95.8 178.0
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.932 ug/L
 RT: 4.240 min Scan# 995
 Delta R.T. -0.006 min
 Lab File: VV029294.D
 Acq: 23 Nov 2022 04:18

Tgt Ion:128 Resp: 42152
 Ion Ratio Lower Upper
 128 100
 49 206.3 139.9 259.9
 130 133.1 89.9 166.9
 51 64.8 50.6 76.0

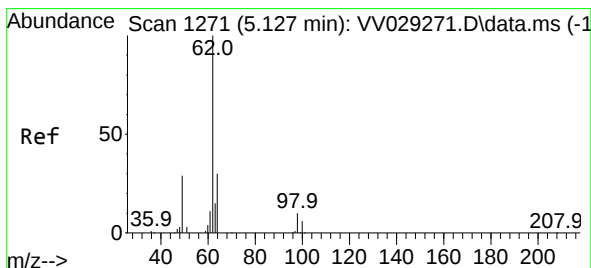
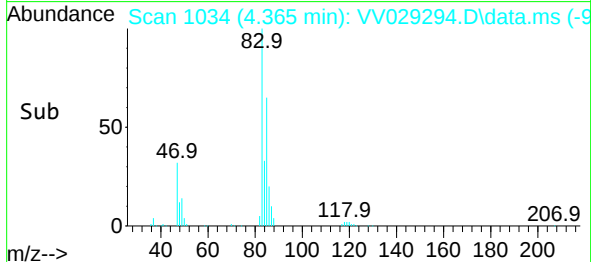
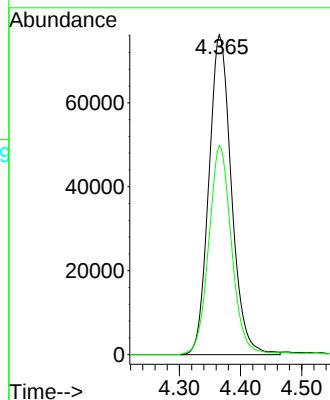
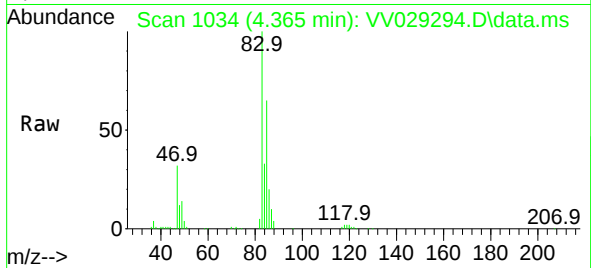




#25
Chloroform
Concen: 4.868 ug/L
RT: 4.365 min Scan# 1035
Delta R.T. -0.003 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

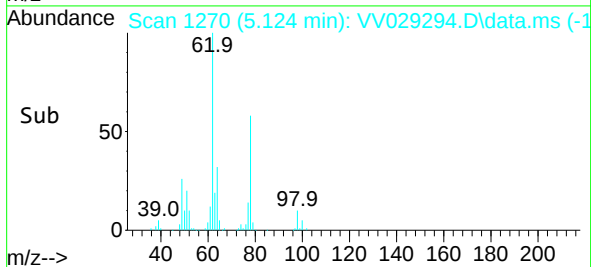
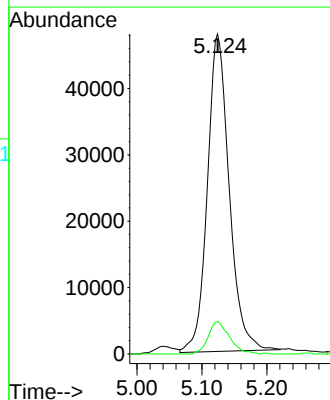
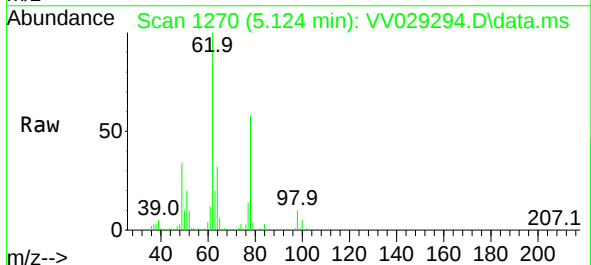
Instrument :
MSVOA_V
ClientSampleId :
H46E7MSD

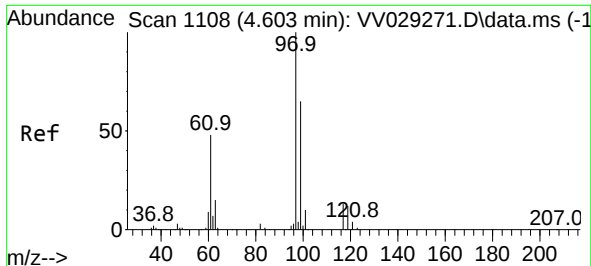
Tgt Ion: 83 Resp: 195636
Ion Ratio Lower Upper
83 100
85 65.4 45.6 84.6



#27
1,2-Dichloroethane
Concen: 5.075 ug/L
RT: 5.124 min Scan# 1270
Delta R.T. -0.003 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

Tgt Ion: 62 Resp: 111719
Ion Ratio Lower Upper
62 100
98 10.1 7.3 10.9





#29

1,1,1-Trichloroethane

Concen: 4.916 ug/L

RT: 4.597 min Scan# 1106

Delta R.T. -0.006 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

Instrument :

MSVOA_V

ClientSampleId :

H46E7MSD

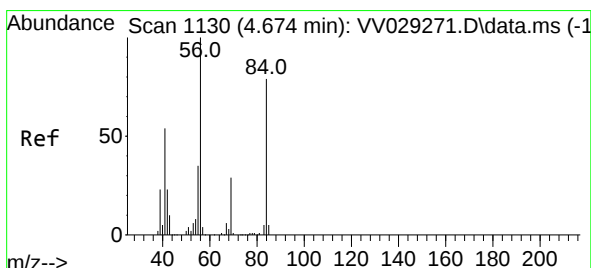
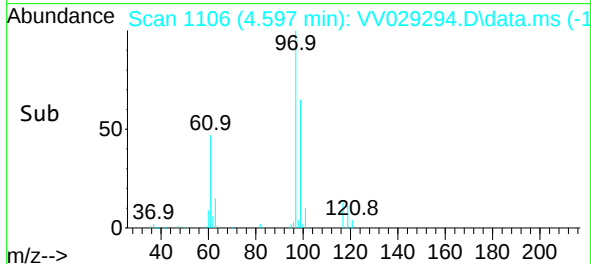
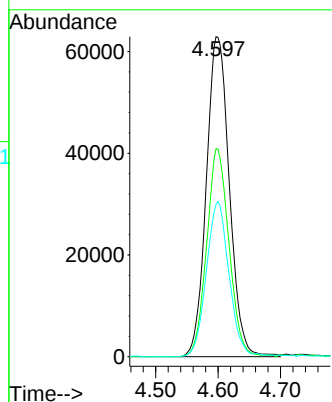
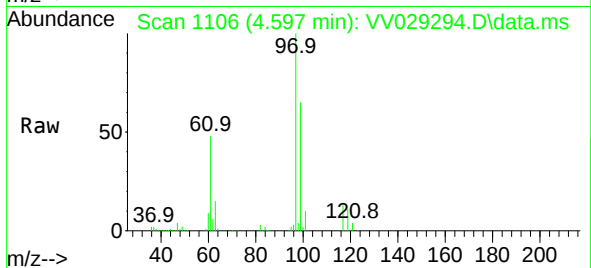
Tgt Ion: 97 Resp: 161537

Ion Ratio Lower Upper

97 100

99 63.0 51.1 76.7

61 47.8 39.0 58.4



#30

Cyclohexane

Concen: 4.859 ug/L

RT: 4.671 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

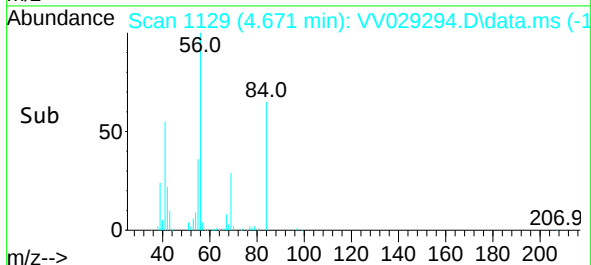
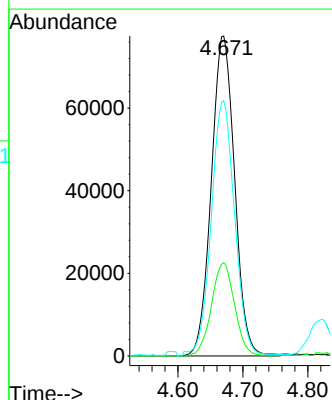
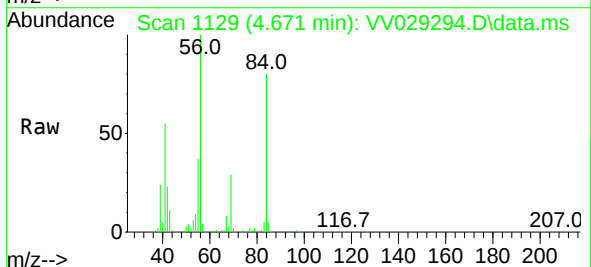
Tgt Ion: 56 Resp: 193067

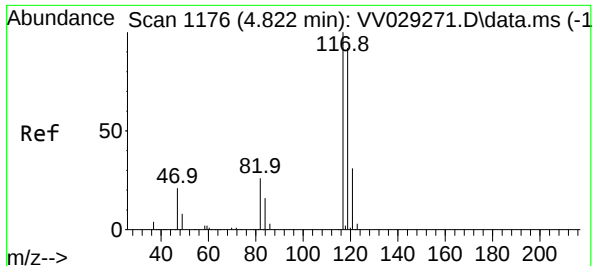
Ion Ratio Lower Upper

56 100

69 28.9 23.4 35.0

84 80.4 64.6 97.0

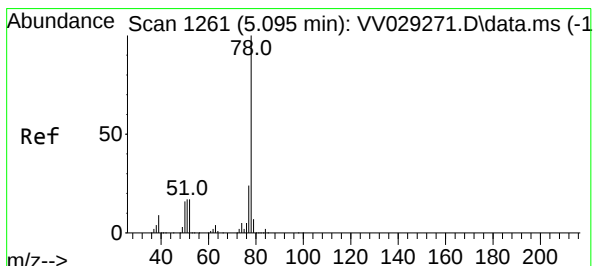
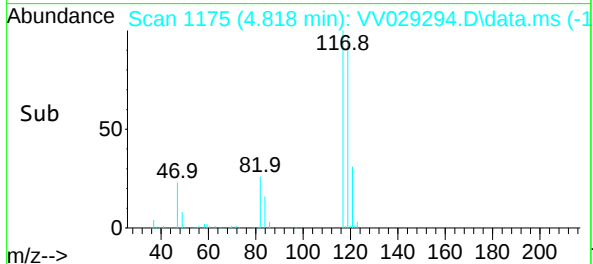
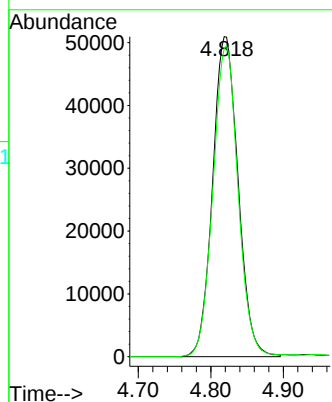
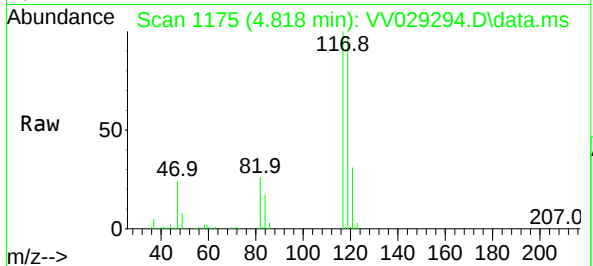




#31
Carbon tetrachloride
Concen: 4.743 ug/L
RT: 4.818 min Scan# 1175
Delta R.T. -0.003 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

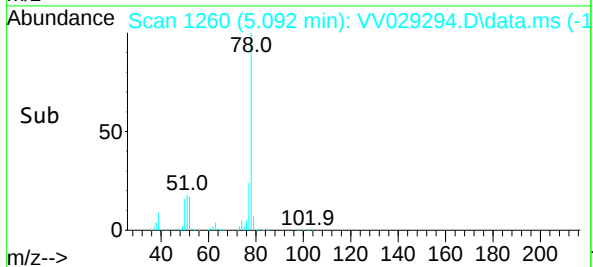
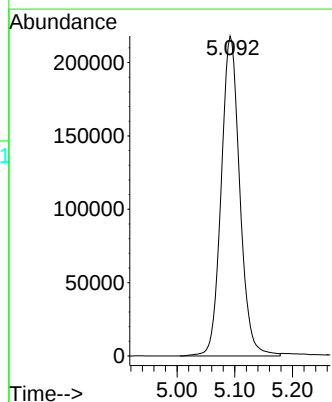
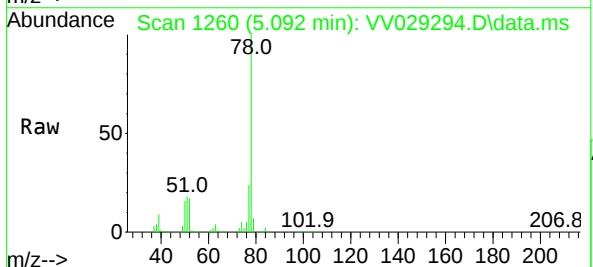
Instrument :
MSVOA_V
ClientSampleId :
H46E7MSD

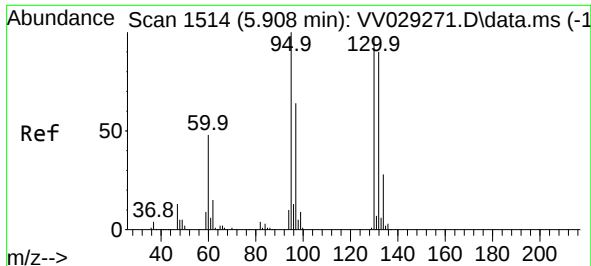
Tgt Ion:117 Resp: 124335
Ion Ratio Lower Upper
117 100
119 95.7 75.1 112.7



#33
Benzene
Concen: 5.392 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. -0.003 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

Tgt Ion: 78 Resp: 487503





#34

Trichloroethene

Concen: 4.736 ug/L

RT: 5.905 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

Instrument :

MSVOA_V

ClientSampleId :

H46E7MSD

Tgt Ion: 95 Resp: 112677

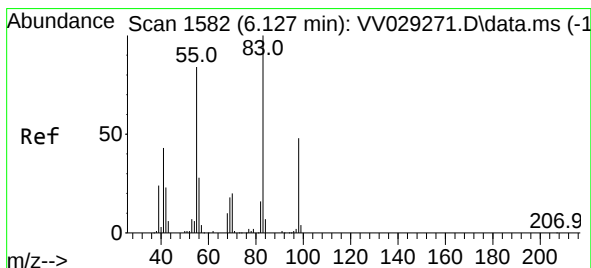
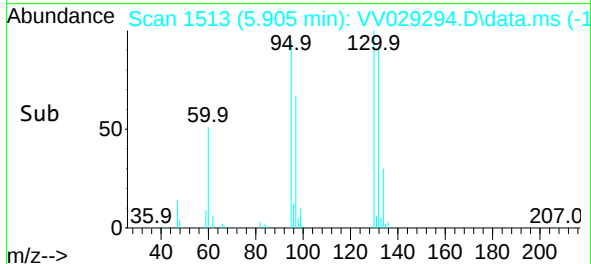
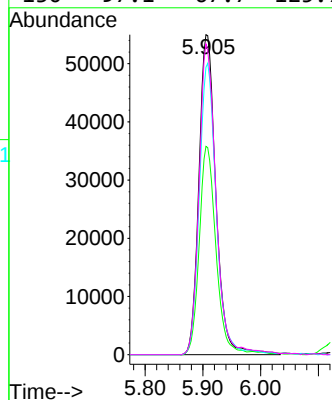
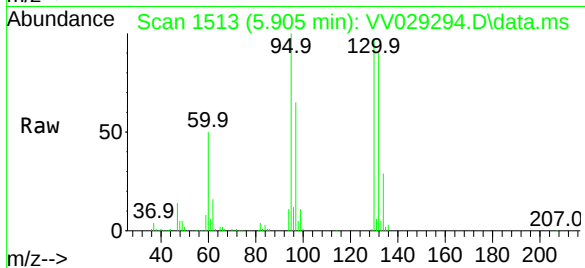
Ion Ratio Lower Upper

95 100

97 65.1 46.7 86.7

132 89.8 65.7 122.1

130 97.1 67.7 125.7



#35

Methylcyclohexane

Concen: 4.562 ug/L

RT: 6.124 min Scan# 1581

Delta R.T. -0.003 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

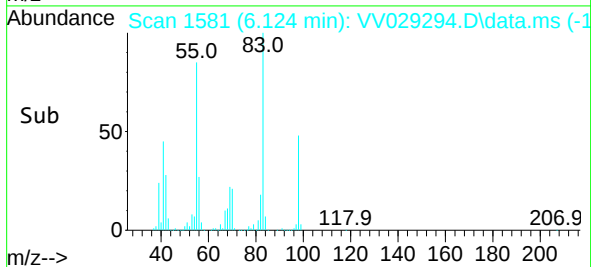
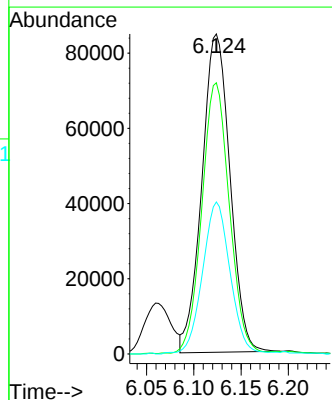
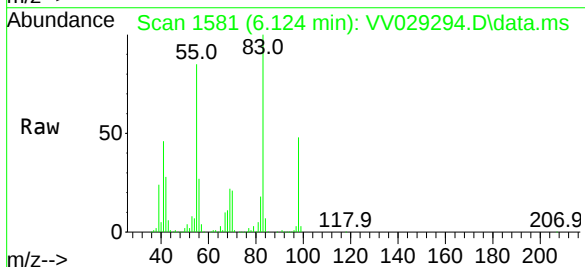
Tgt Ion: 83 Resp: 175423

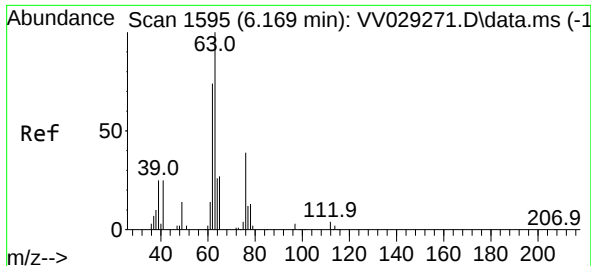
Ion Ratio Lower Upper

83 100

55 83.2 65.7 98.5

98 46.7 37.7 56.5





#37

1,2-Dichloropropane

Concen: 4.946 ug/L

RT: 6.166 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

Instrument :

MSVOA_V

ClientSampleId :

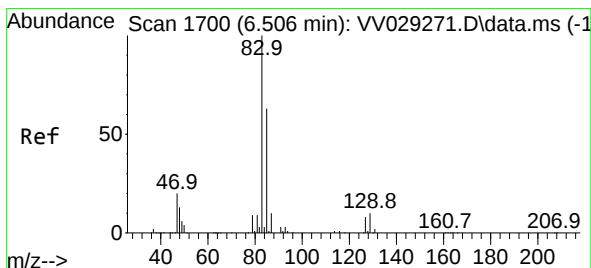
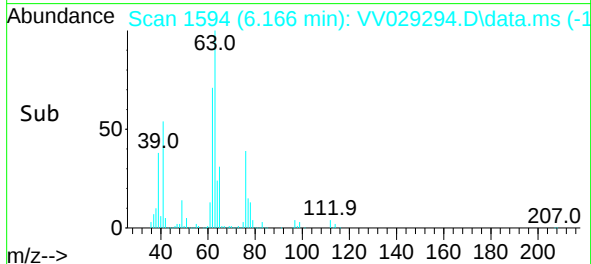
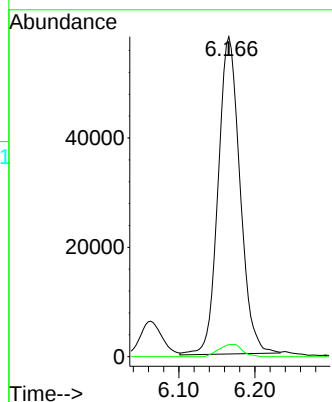
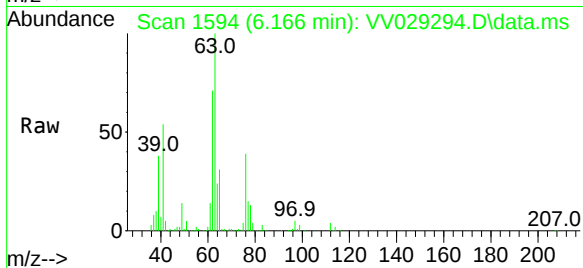
H46E7MSD

Tgt Ion: 63 Resp: 115948

Ion Ratio Lower Upper

63 100

112 4.2 3.2 4.8



#38

Bromodichloromethane

Concen: 4.816 ug/L

RT: 6.500 min Scan# 1698

Delta R.T. -0.006 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

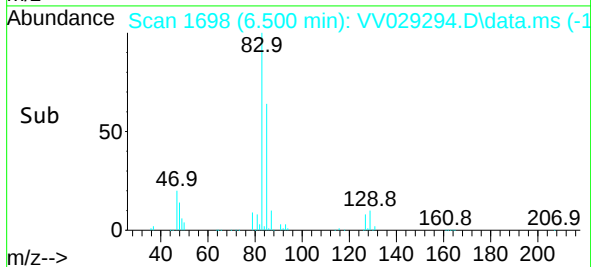
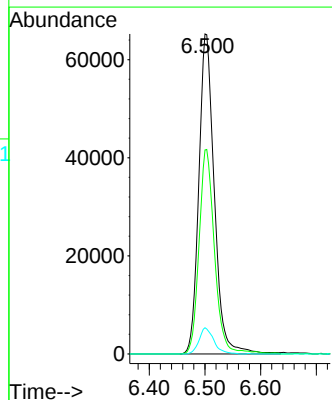
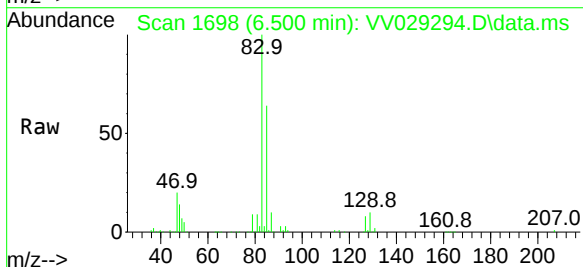
Tgt Ion: 83 Resp: 126334

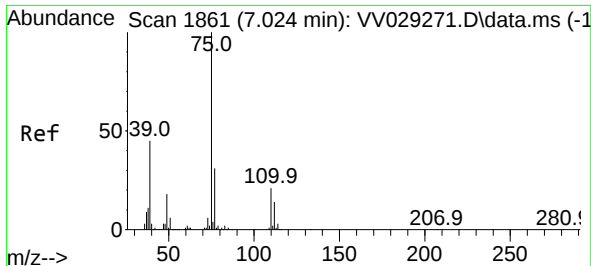
Ion Ratio Lower Upper

83 100

85 63.8 45.1 83.7

127 8.2 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 4.551 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. -0.003 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

Instrument :

MSVOA_V

ClientSampleId :

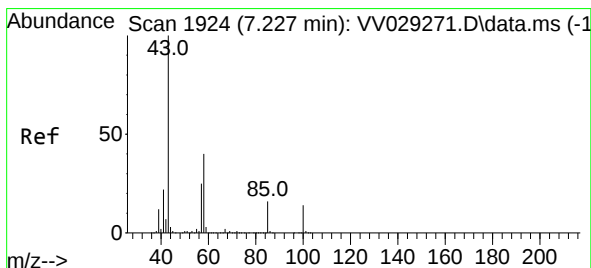
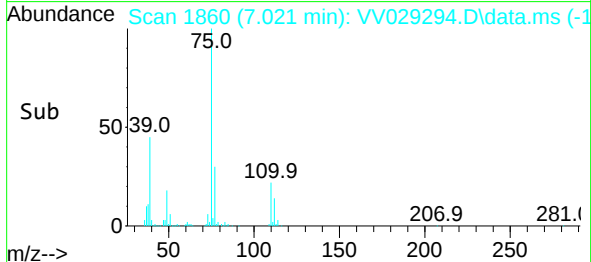
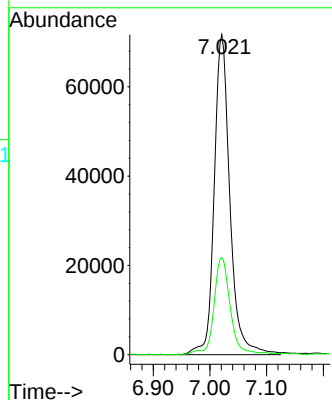
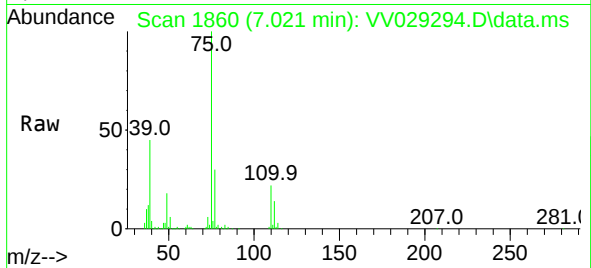
H46E7MSD

Tgt Ion: 75 Resp: 138122

Ion Ratio Lower Upper

75 100

77 30.4 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 54.147 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.003 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

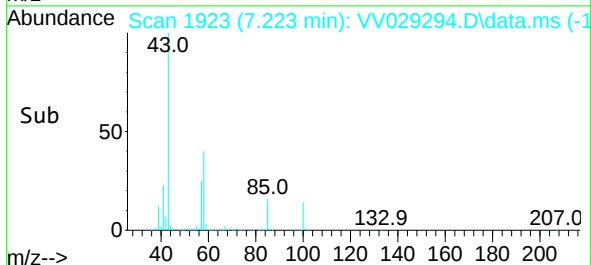
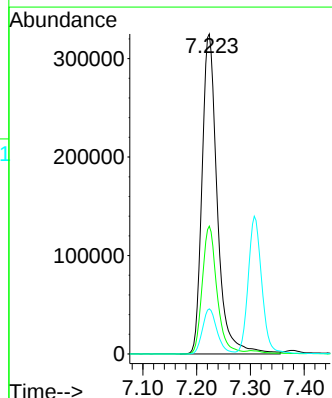
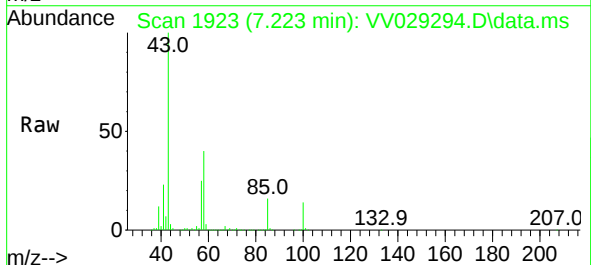
Tgt Ion: 43 Resp: 640870

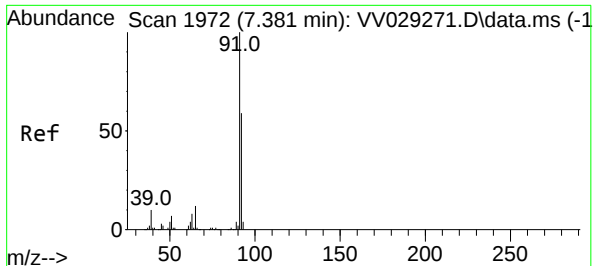
Ion Ratio Lower Upper

43 100

58 38.6 31.8 47.8

100 13.5 11.0 16.6

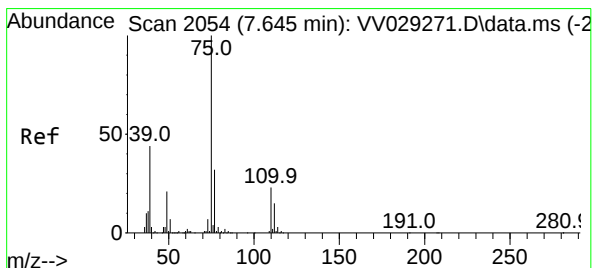
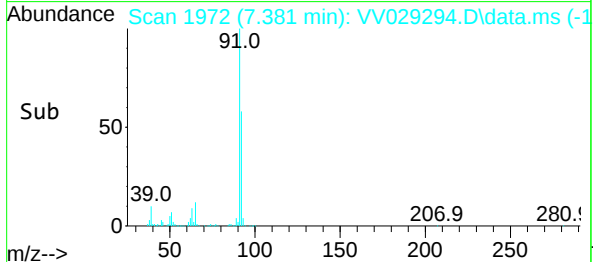
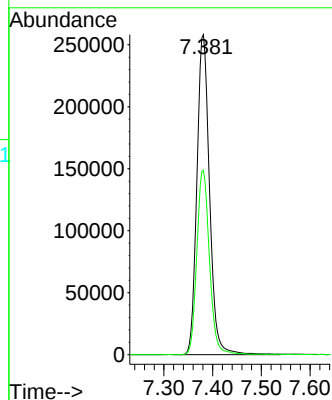
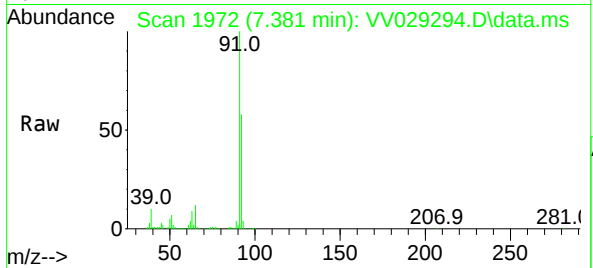




#42
Toluene
Concen: 5.004 ug/L
RT: 7.381 min Scan# 1972
Delta R.T. 0.000 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

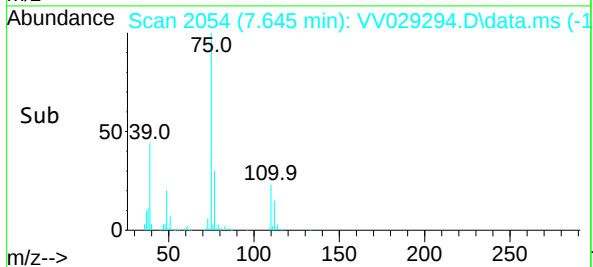
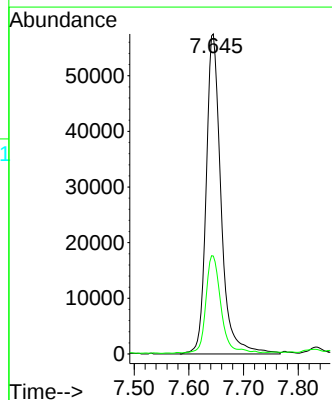
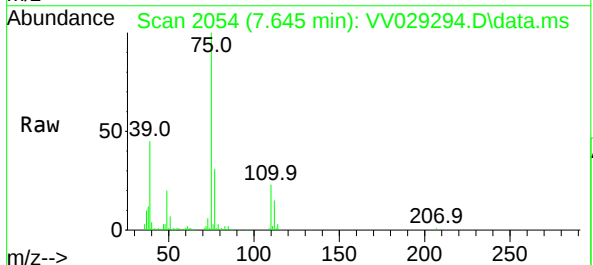
Instrument : MSVOA_V
ClientSampleId : H46E7MSD

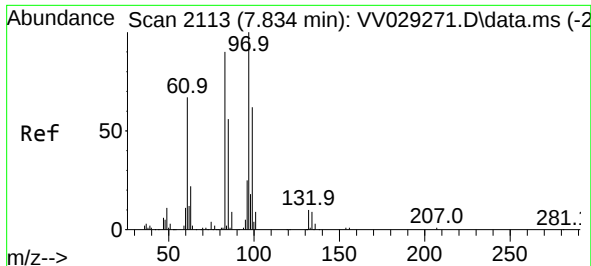
Tgt Ion: 91 Resp: 465106
Ion Ratio Lower Upper
91 100
92 57.7 40.5 75.3



#44
trans-1,3-Dichloropropene
Concen: 4.655 ug/L
RT: 7.645 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

Tgt Ion: 75 Resp: 108845
Ion Ratio Lower Upper
75 100
77 30.6 22.4 41.6

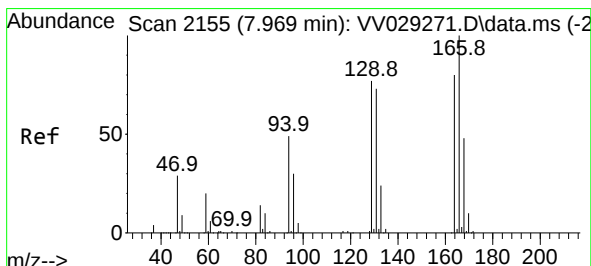
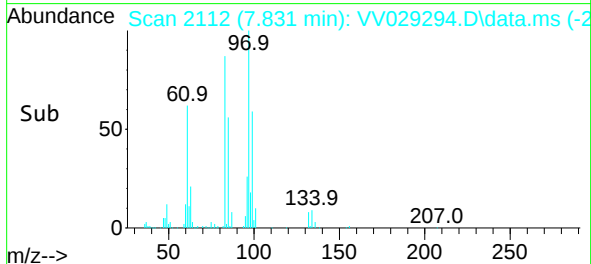
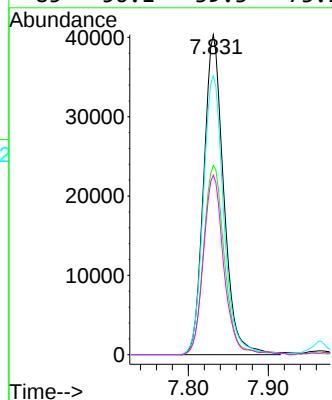
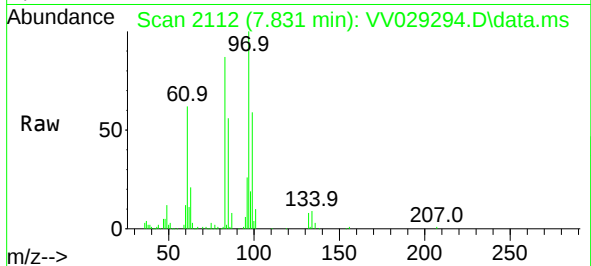




#45
1,1,2-Trichloroethane
Concen: 5.061 ug/L
RT: 7.831 min Scan# 2112
Delta R.T. -0.003 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

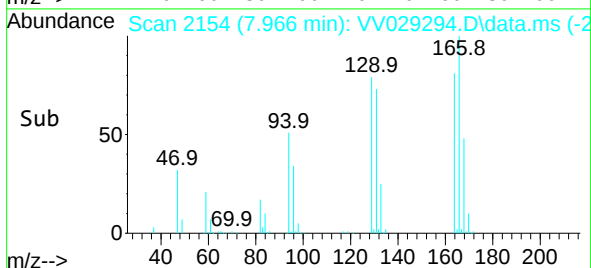
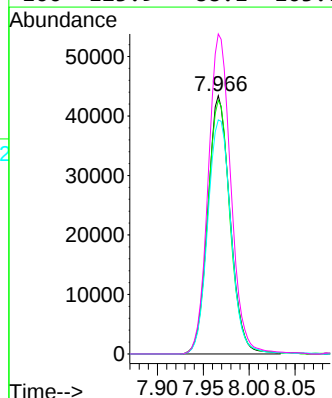
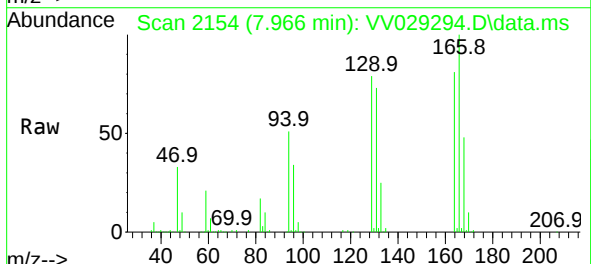
Instrument :
MSVOA_V
ClientSampleId :
H46E7MSD

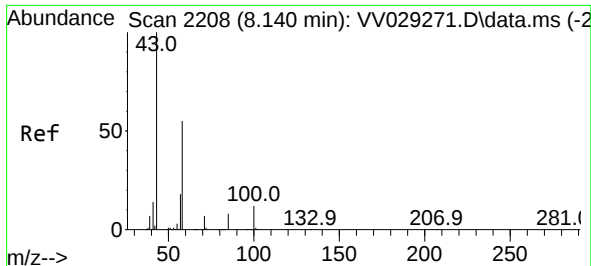
Tgt Ion:	97	Resp:	70398
Ion	Ratio	Lower	Upper
97	100		
99	59.2	42.8	79.6
83	87.1	61.4	114.0
85	56.1	39.3	73.1



#47
Tetrachloroethene
Concen: 4.698 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.003 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

Tgt Ion:	164	Resp:	73402
Ion	Ratio	Lower	Upper
164	100		
129	98.2	68.3	126.8
131	90.7	65.2	121.0
166	123.9	88.1	163.7



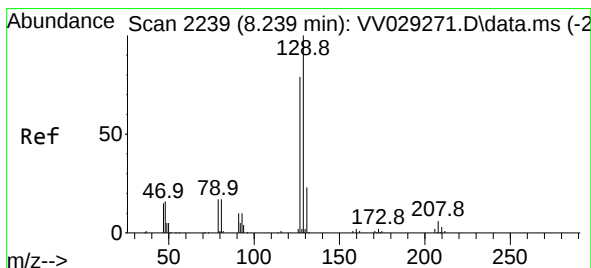
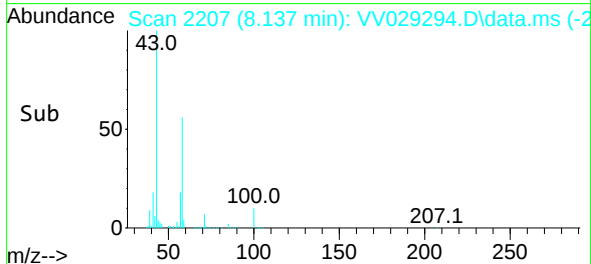
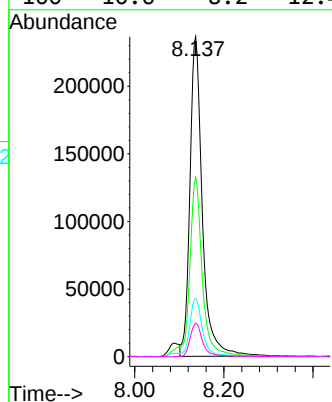
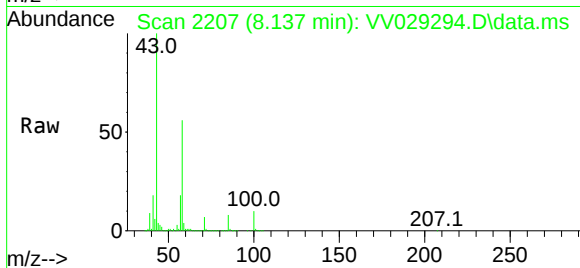


#48
2-Hexanone
Concen: 51.186 ug/L
RT: 8.137 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

Instrument :
MSVOA_V
ClientSampleId :
H46E7MSD

Tgt Ion: 43 Resp: 458329

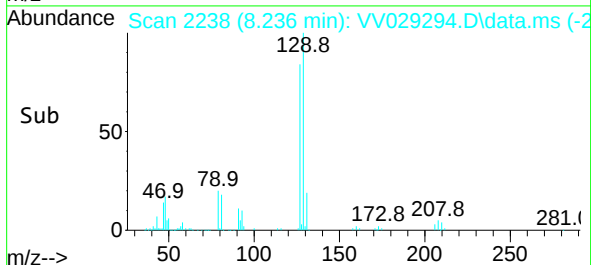
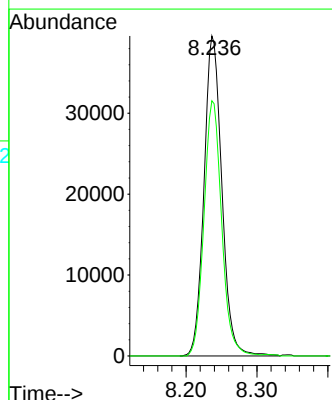
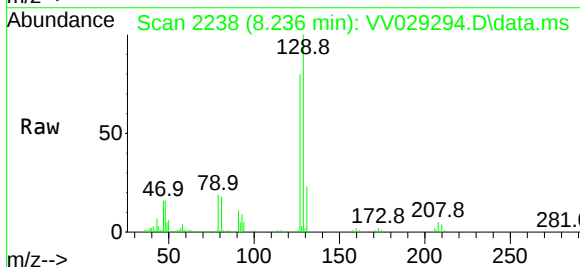
Ion	Ratio	Lower	Upper
43	100		
58	57.7	45.3	67.9
57	18.2	15.4	23.2
100	10.6	8.2	12.4

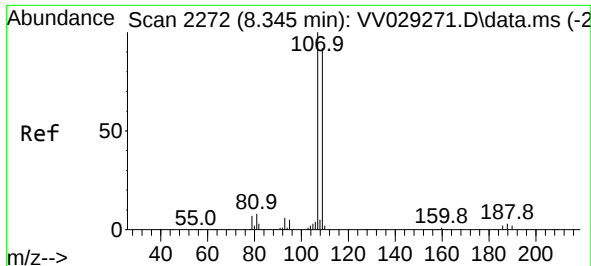


#49
Dibromochloromethane
Concen: 4.760 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. -0.003 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

Tgt Ion: 129 Resp: 69212

Ion	Ratio	Lower	Upper
129	100		
127	79.8	54.7	101.5





#50

1,2-Dibromoethane

Concen: 5.042 ug/L

RT: 8.342 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

Instrument :

MSVOA_V

ClientSampleId :

H46E7MSD

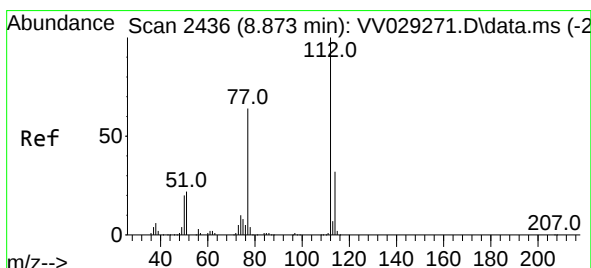
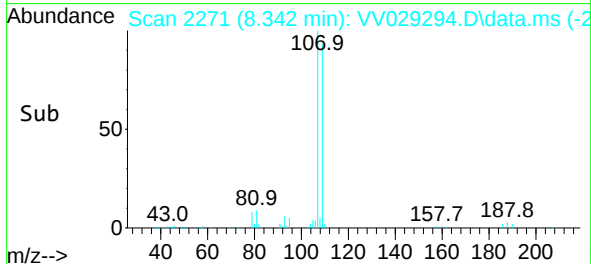
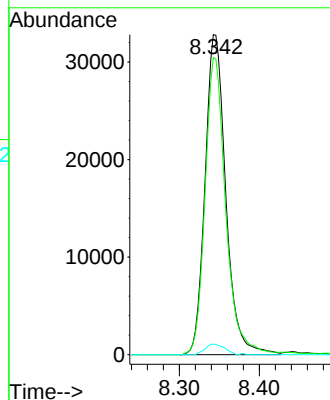
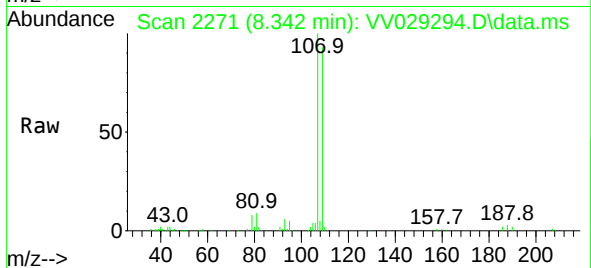
Tgt Ion:107 Resp: 59346

Ion Ratio Lower Upper

107 100

109 92.8 64.3 119.3

188 3.3 3.0 4.6



#51

Chlorobenzene

Concen: 4.901 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. 0.000 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

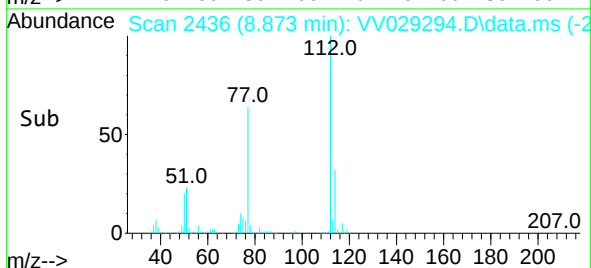
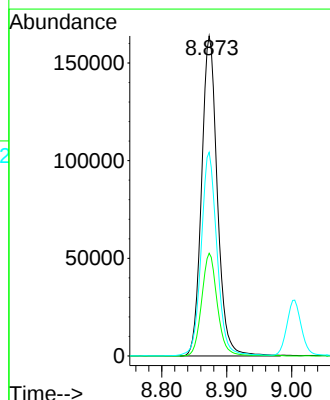
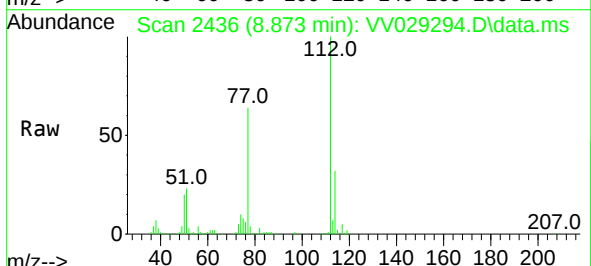
Tgt Ion:112 Resp: 276825

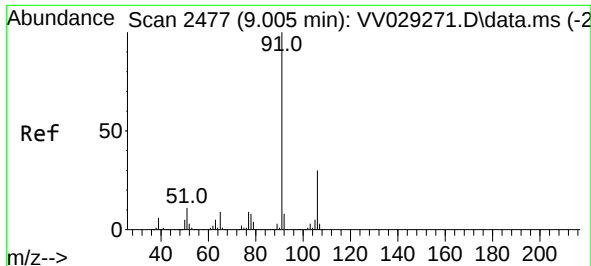
Ion Ratio Lower Upper

112 100

114 32.1 22.3 41.3

77 63.6 49.8 74.6





#52

Ethylbenzene

Concen: 4.929 ug/L

RT: 9.005 min Scan# 2477

Delta R.T. 0.000 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

Instrument :

MSVOA_V

ClientSampleId :

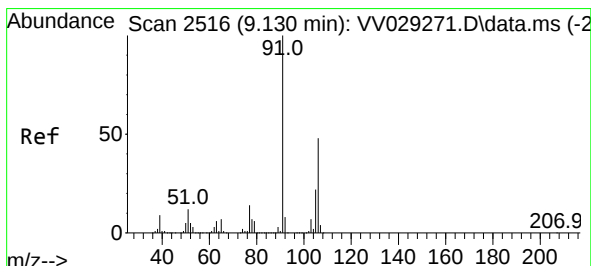
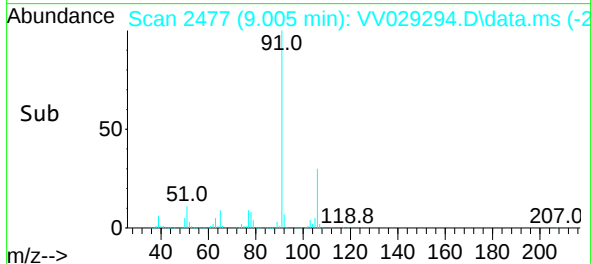
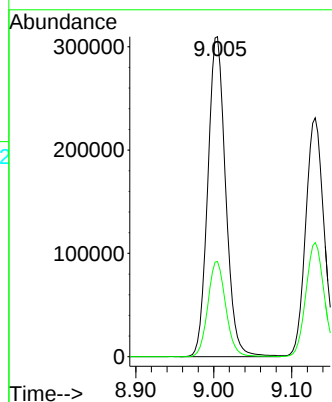
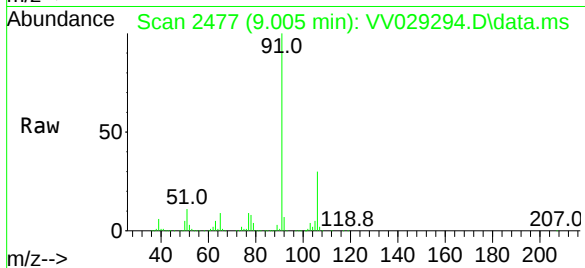
H46E7MSD

Tgt Ion: 91 Resp: 493072

Ion Ratio Lower Upper

91 100

106 29.7 20.6 38.4



#53

m,p-Xylene

Concen: 4.906 ug/L

RT: 9.130 min Scan# 2516

Delta R.T. 0.000 min

Lab File: VV029294.D

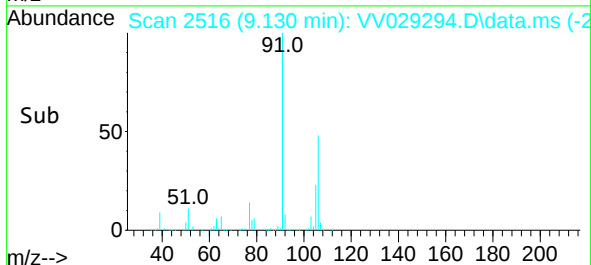
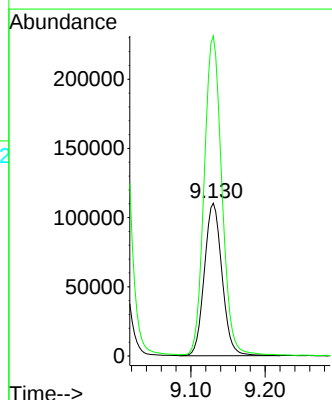
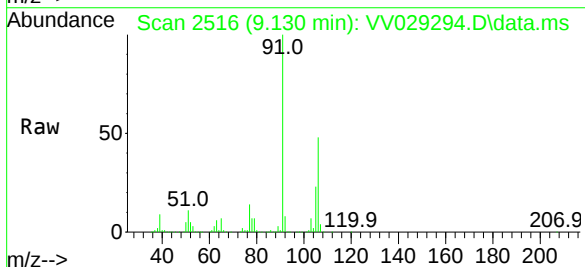
Acq: 23 Nov 2022 04:18

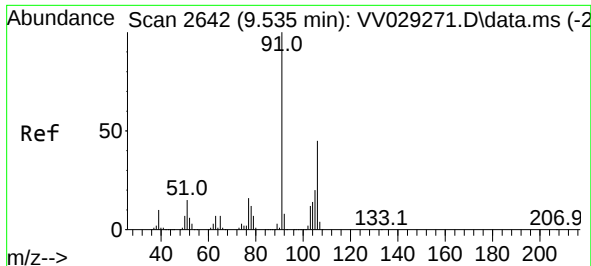
Tgt Ion: 106 Resp: 182201

Ion Ratio Lower Upper

106 100

91 209.3 147.3 273.6

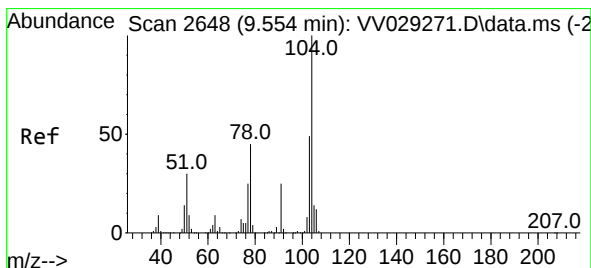
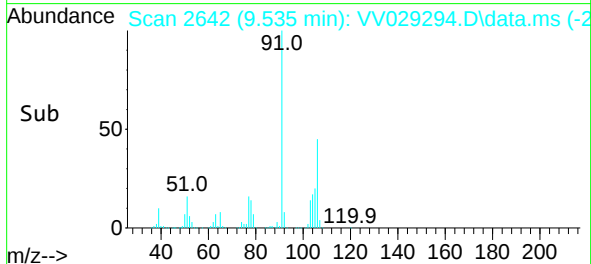
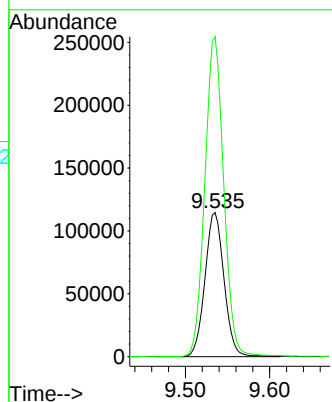
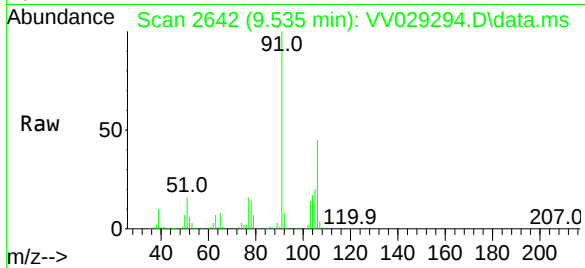




#54
o-Xylene
Concen: 4.976 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.000 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

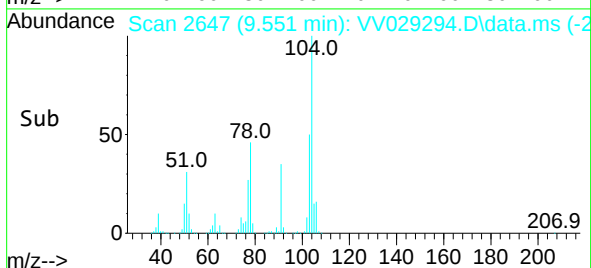
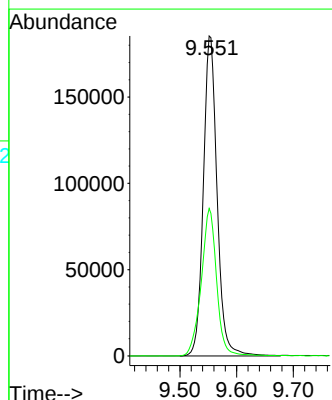
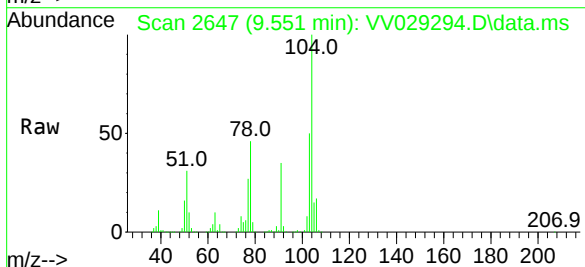
Instrument :
MSVOA_V
ClientSampleId :
H46E7MSD

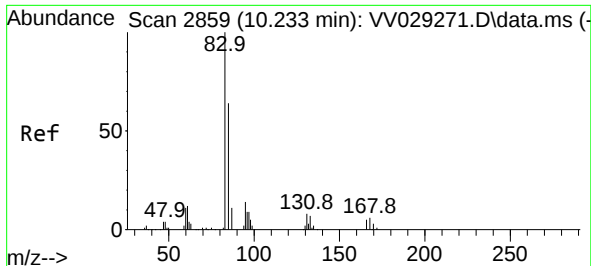
Tgt Ion:106 Resp: 180825
Ion Ratio Lower Upper
106 100
91 222.0 154.6 287.2



#55
Styrene
Concen: 5.030 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. -0.003 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

Tgt Ion:104 Resp: 312549
Ion Ratio Lower Upper
104 100
78 46.1 31.9 59.2





#57

1,1,2-Tetrachloroethane

Concen: 5.907 ug/L

RT: 10.233 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

Instrument :

MSVOA_V

ClientSampleId :

H46E7MSD

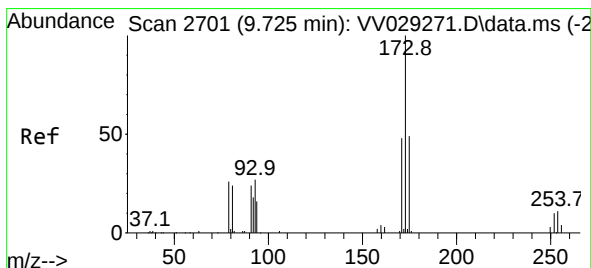
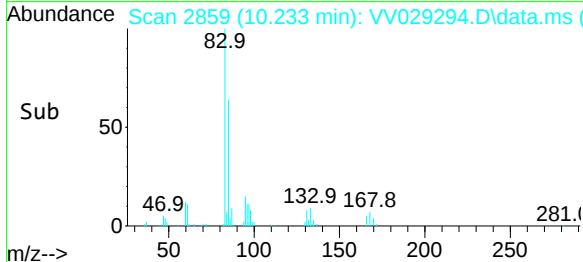
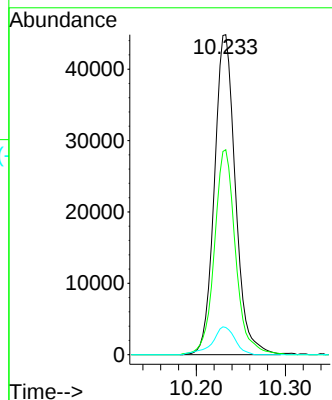
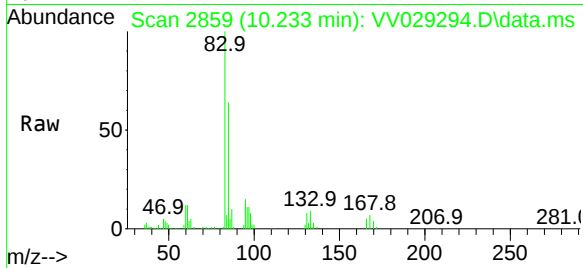
Tgt Ion: 83 Resp: 73431

Ion Ratio Lower Upper

83 100

85 64.0 43.9 81.5

131 8.5 6.9 10.3



#59

Bromoform

Concen: 4.798 ug/L

RT: 9.722 min Scan# 2700

Delta R.T. -0.003 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

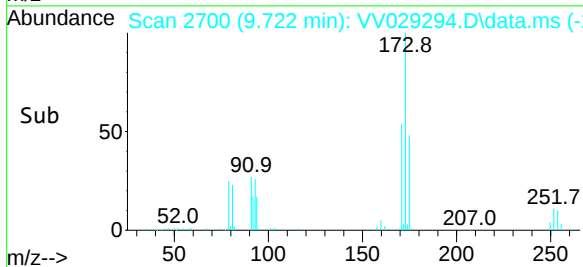
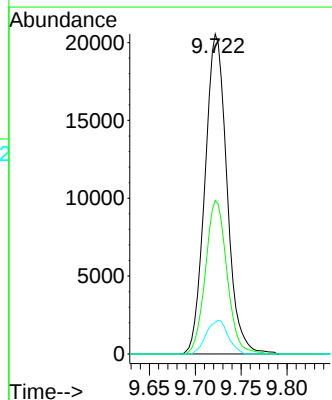
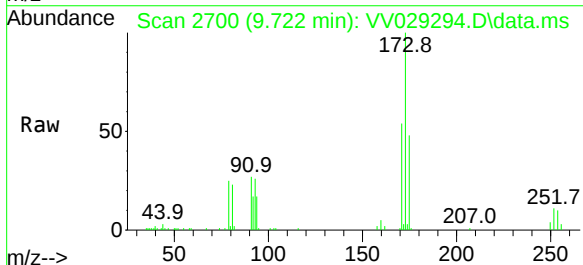
Tgt Ion: 173 Resp: 34273

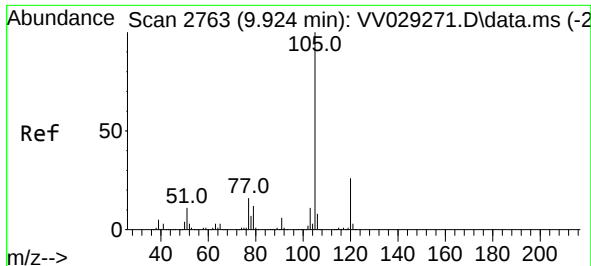
Ion Ratio Lower Upper

173 100

175 46.9 39.4 59.2

254 10.4 8.2 12.2

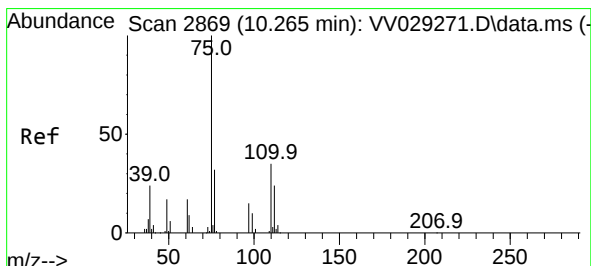
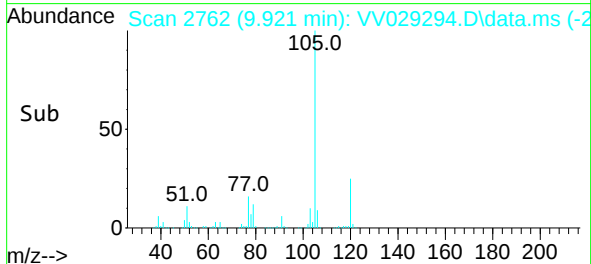
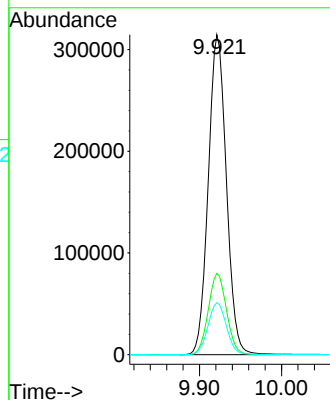
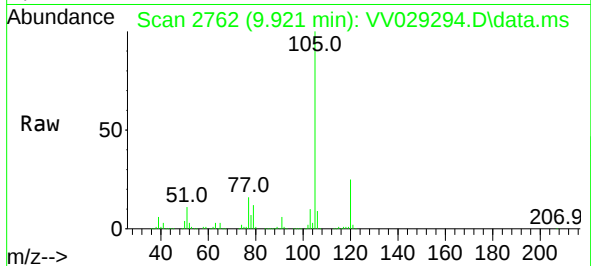




#60
Isopropylbenzene
Concen: 4.915 ug/L
RT: 9.921 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

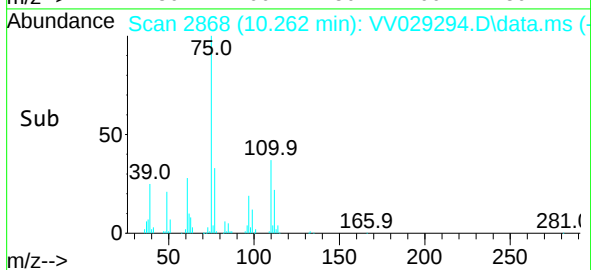
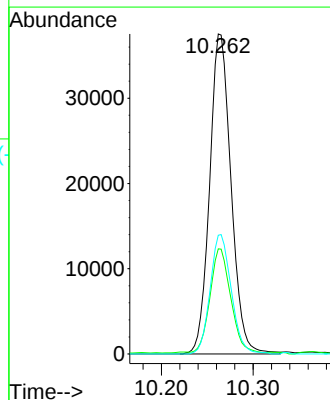
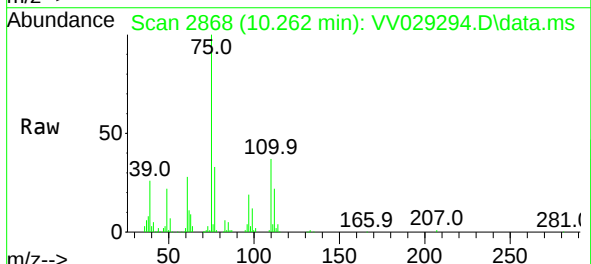
Instrument :
MSVOA_V
ClientSampleId :
H46E7MSD

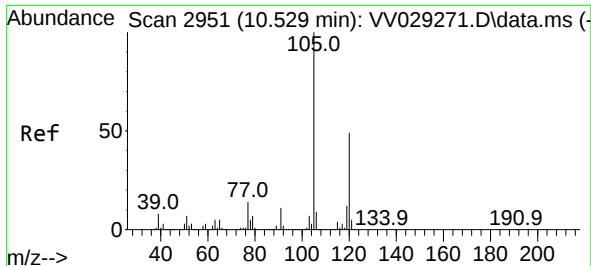
Tgt Ion:105 Resp: 482648
Ion Ratio Lower Upper
105 100
120 25.6 20.3 30.5
77 16.5 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 5.233 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. -0.003 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

Tgt Ion: 75 Resp: 60973
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.0
110 36.7 29.6 44.4

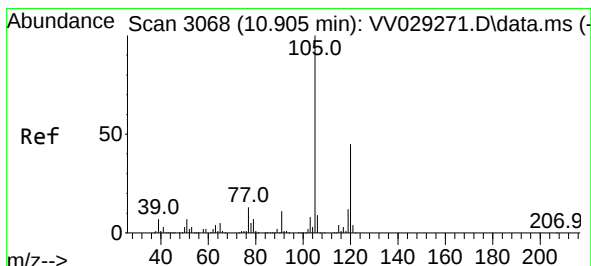
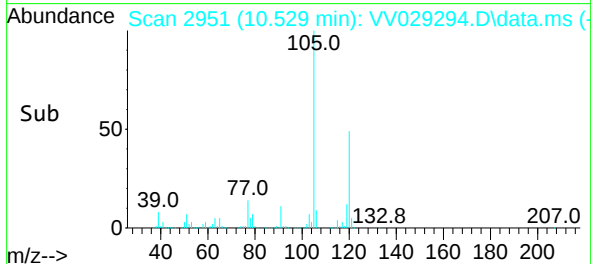
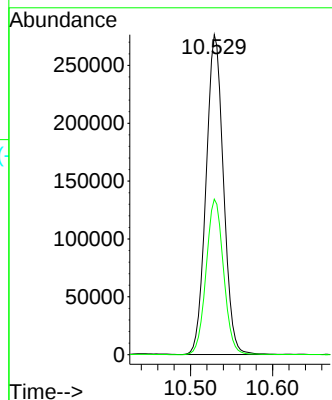
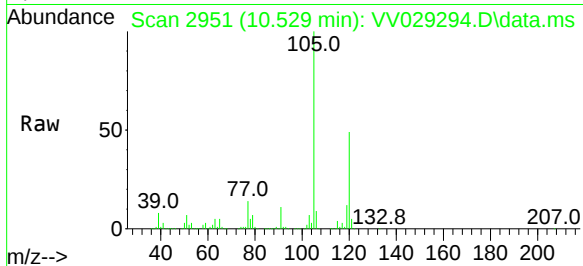




#62
 1,3,5-Trimethylbenzene
 Concen: 4.883 ug/L
 RT: 10.529 min Scan# 2951
 Delta R.T. 0.000 min
 Lab File: VV029294.D
 Acq: 23 Nov 2022 04:18

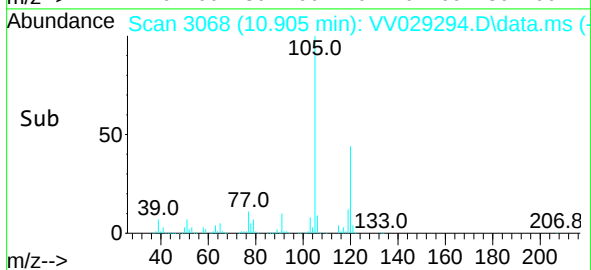
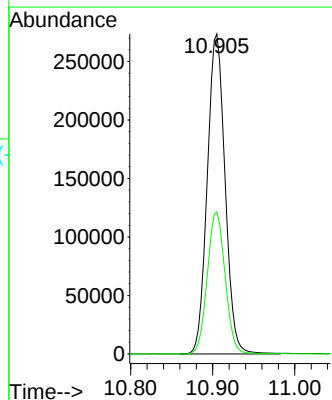
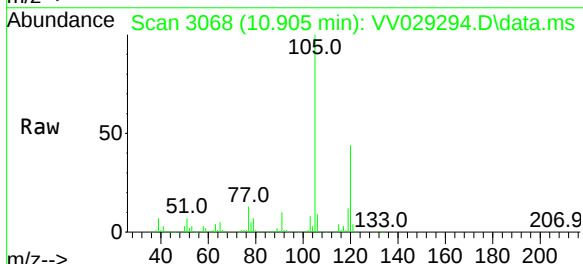
Instrument :
 MSVOA_V
 ClientSampleId :
 H46E7MSD

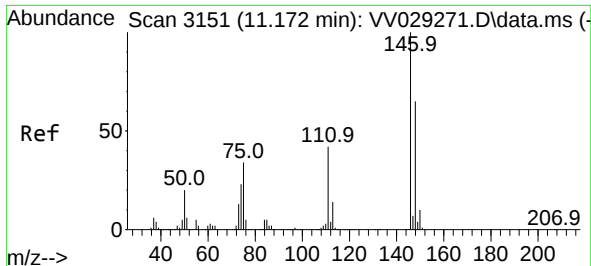
Tgt Ion:105 Resp: 407234
 Ion Ratio Lower Upper
 105 100
 120 48.7 39.0 58.4



#63
 1,2,4-Trimethylbenzene
 Concen: 4.970 ug/L
 RT: 10.905 min Scan# 3068
 Delta R.T. 0.000 min
 Lab File: VV029294.D
 Acq: 23 Nov 2022 04:18

Tgt Ion:105 Resp: 412250
 Ion Ratio Lower Upper
 105 100
 120 44.5 35.6 53.4

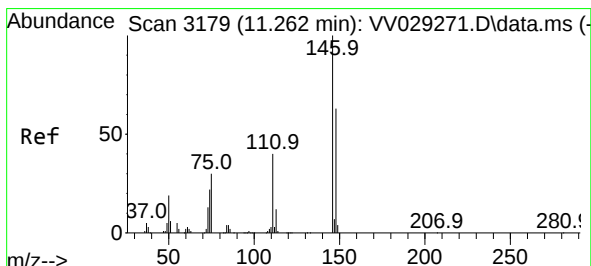
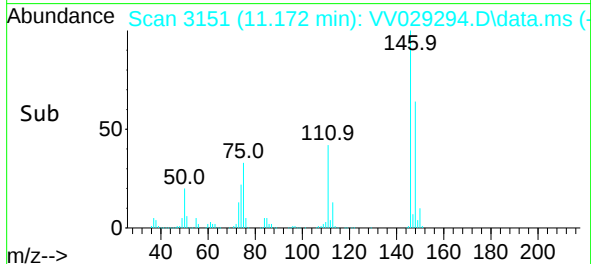
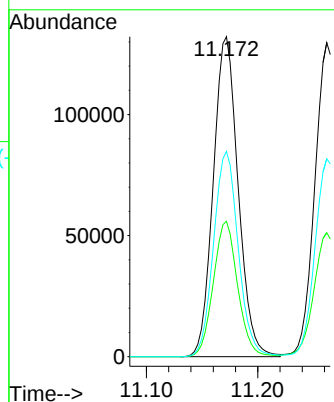
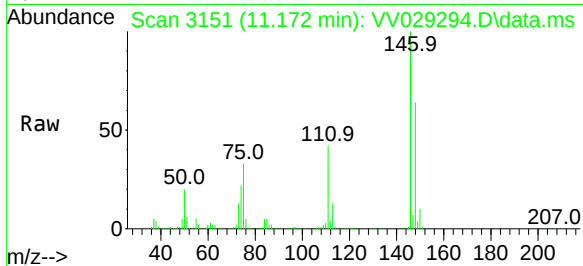




#64
1,3-Dichlorobenzene
Concen: 4.775 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

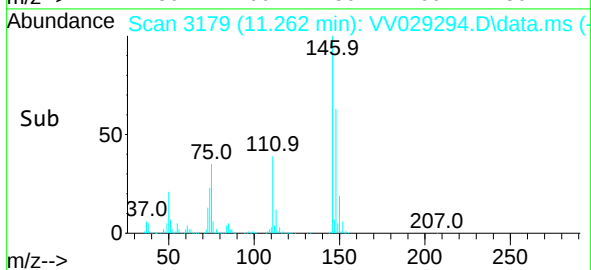
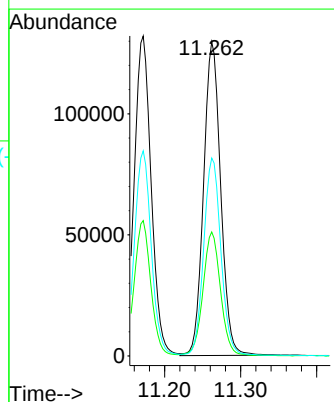
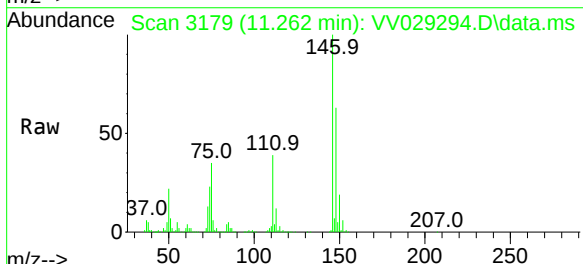
Instrument :
MSVOA_V
ClientSampleId :
H46E7MSD

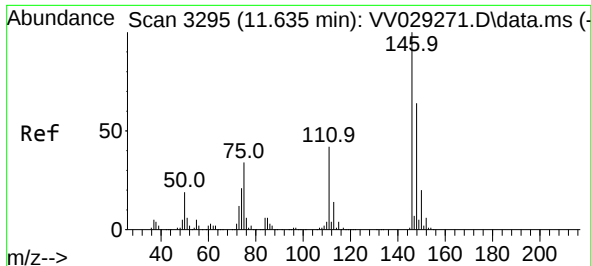
Tgt Ion:146 Resp: 205206
Ion Ratio Lower Upper
146 100
111 42.3 28.6 53.0
148 64.1 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.809 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VV029294.D
Acq: 23 Nov 2022 04:18

Tgt Ion:146 Resp: 202465
Ion Ratio Lower Upper
146 100
111 39.5 28.5 52.9
148 63.0 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 4.916 ug/L

RT: 11.632 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

Instrument :

MSVOA_V

ClientSampleId :

H46E7MSD

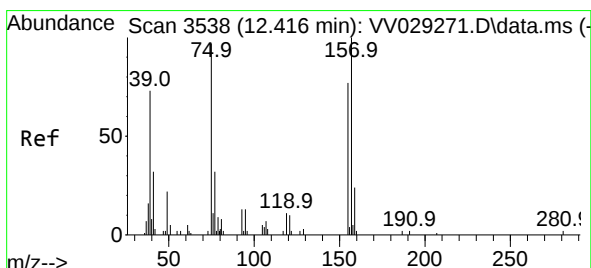
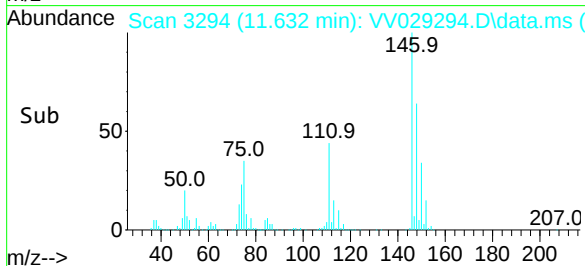
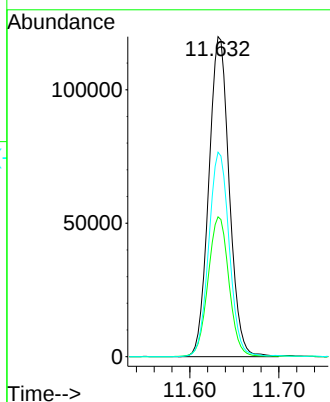
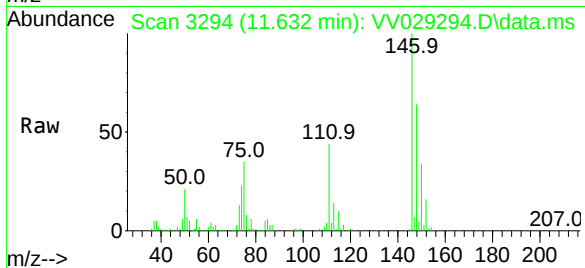
Tgt Ion:146 Resp: 191384

Ion Ratio Lower Upper

146 100

111 43.7 35.6 53.4

148 63.9 50.2 75.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.248 ug/L

RT: 12.419 min Scan# 3539

Delta R.T. 0.003 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

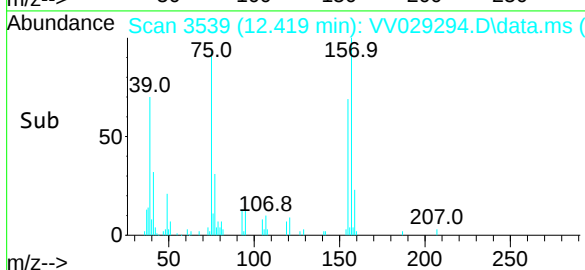
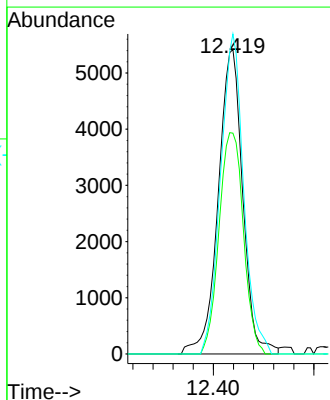
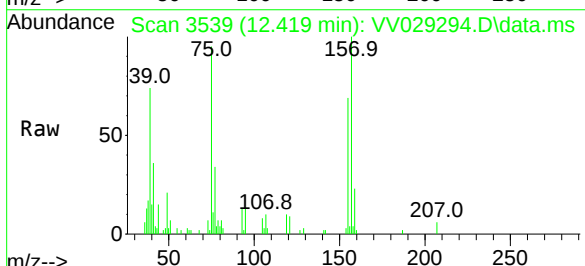
Tgt Ion: 75 Resp: 9182

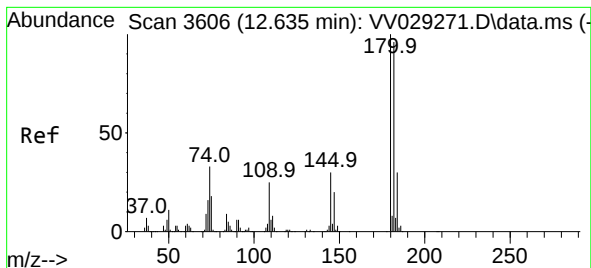
Ion Ratio Lower Upper

75 100

155 72.5 58.4 87.6

157 105.1 75.5 113.3





#69

1,3,5-Trichlorobenzene

Concen: 4.514 ug/L

RT: 12.632 min Scan# 3606

Delta R.T. -0.003 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

Instrument :

MSVOA_V

ClientSampleId :

H46E7MSD

Tgt Ion:180 Resp: 151066

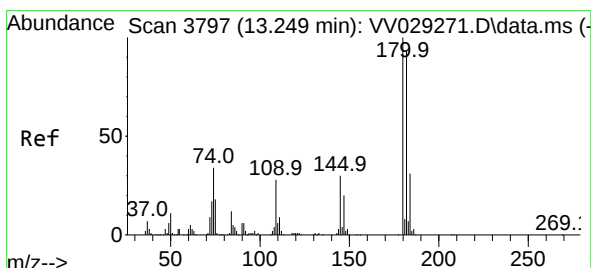
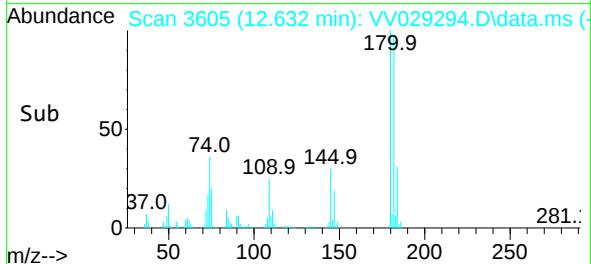
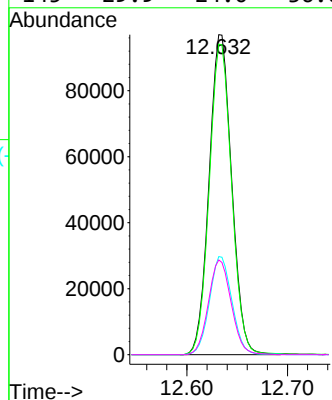
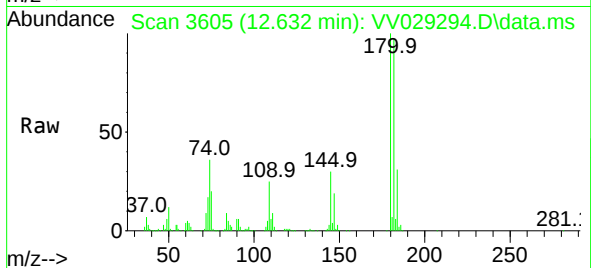
Ion Ratio Lower Upper

180 100

182 96.2 76.9 115.3

184 30.4 23.9 35.9

145 29.9 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 4.437 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. 0.000 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

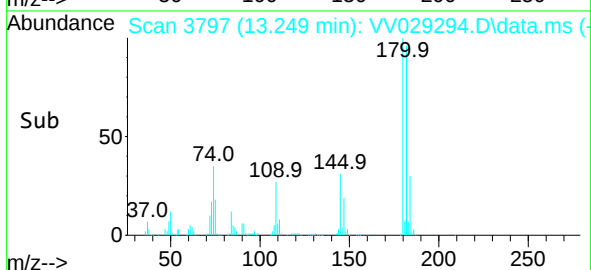
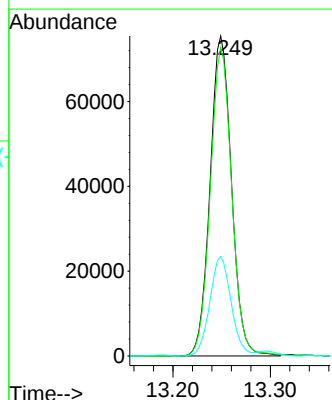
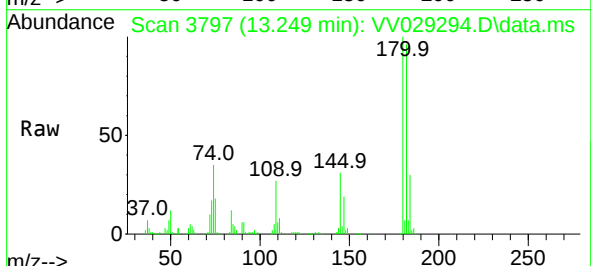
Tgt Ion:180 Resp: 115248

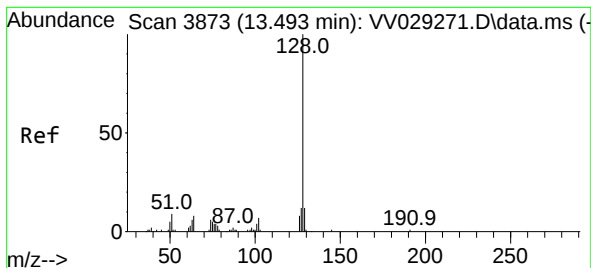
Ion Ratio Lower Upper

180 100

182 96.3 75.4 113.2

145 30.8 25.0 37.6





#71

Naphthalene

Concen: 1.271 ug/L

RT: 13.497 min Scan# 3873

Delta R.T. 0.003 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

Instrument :

MSVOA_V

ClientSampleId :

H46E7MSD

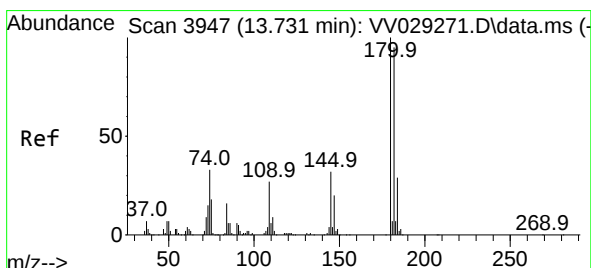
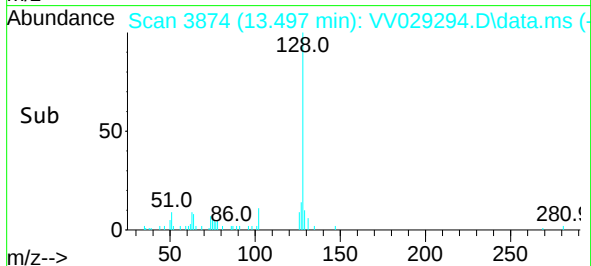
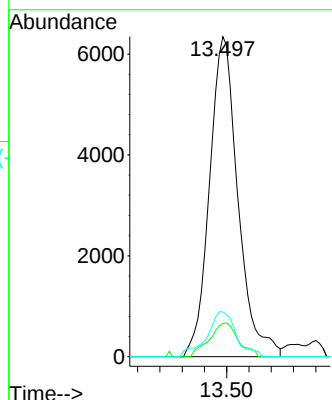
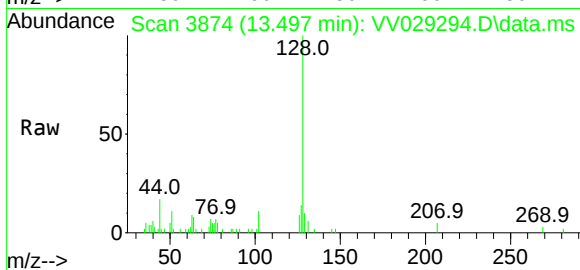
Tgt Ion:128 Resp: 11255

Ion Ratio Lower Upper

128 100

129 10.8 8.4 12.6

127 14.5 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 4.514 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. 0.000 min

Lab File: VV029294.D

Acq: 23 Nov 2022 04:18

Tgt Ion:180 Resp: 94399

Ion Ratio Lower Upper

180 100

182 94.4 76.2 114.2

145 32.5 26.3 39.5

