

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120922\
 Data File : VW029588.D
 Acq On : 10 Dec 2022 17:59
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050382

Quant Time: Dec 12 00:08:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 10 07:45:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	475740	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	440232	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	237930	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	180348	61.906	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 123.820%		
7) Chloroethane-d5	1.561	69	143768	64.719	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 129.440%		
11) 1,1-Dichloroethene-d2	2.108	63	291027	64.048	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 128.100%#		
21) 2-Butanone-d5	3.870	46	224137	126.122	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 126.120%		
24) Chloroform-d	4.339	84	317081	57.839	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 115.680%		
26) 1,2-Dichloroethane-d4	5.024	65	179348	57.281	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 114.560%		
32) Benzene-d6	5.043	84	671154	57.697	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 115.400%		
36) 1,2-Dichloropropane-d6	6.063	67	199369	56.110	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 112.220%		
41) Toluene-d8	7.307	98	621514	56.706	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 113.420%		
43) trans-1,3-Dichloroprop...	7.612	79	80421	44.822	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 89.640%		
47) 2-Hexanone-d5	8.082	63	188580	124.288	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 124.290%		
56) 1,1,2,2-Tetrachloroeth...	10.207	84	284624	56.056	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 112.120%		
66) 1,2-Dichlorobenzene-d4	11.612	152	238674	52.696	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 105.400%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	177209	47.290	ug/L	99
3) Chloromethane	1.240	50	196397	45.968	ug/L	100
5) Vinyl chloride	1.310	62	189658	53.056	ug/L	98
6) Bromomethane	1.516	94	85385	59.363	ug/L	98
8) Chloroethane	1.581	64	113525	57.034	ug/L	99
9) Trichlorofluoromethane	1.751	101	237834	53.148	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	132031	53.098	ug/L	99
12) 1,1-Dichloroethene	2.117	96	140403	55.213	ug/L	97
13) Acetone	2.159	43	124375	107.431	ug/L	99
14) Carbon disulfide	2.291	76	408593	48.279	ug/L	99
15) Methyl Acetate	2.423	43	149556	56.700	ug/L	98
16) Methylene chloride	2.503	84	166604	52.692	ug/L	97
17) trans-1,2-Dichloroethene	2.754	96	151456	51.690	ug/L	96
18) Methyl tert-butyl Ether	2.764	73	479566	53.421	ug/L	100
19) 1,1-Dichloroethane	3.185	63	271546	54.097	ug/L	98
20) cis-1,2-Dichloroethene	3.905	96	167724	52.057	ug/L	92
22) 2-Butanone	3.953	43	213180	115.724	ug/L	96
23) Bromochloromethane	4.240	128	86977	52.425	ug/L	92
25) Chloroform	4.368	83	279556	53.721	ug/L	100

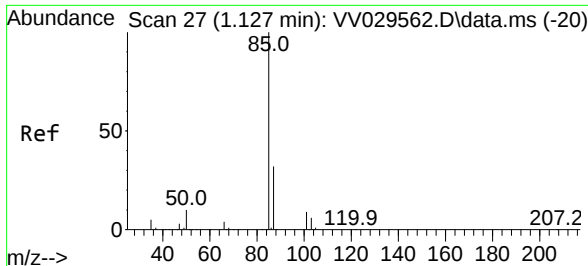
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 Quant Title : VOC Analysis
 QLast Update : Sat Dec 10 07:45:47 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	200010	54.409	ug/L	98
29) Cyclohexane	4.670	56	241717	50.686	ug/L	99
30) 1,1,1-Trichloroethane	4.600	97	246979	51.494	ug/L	98
31) Carbon tetrachloride	4.822	117	206224	49.237	ug/L	100
33) Benzene	5.092	78	646837	52.127	ug/L	100
34) Trichloroethene	5.908	95	158488	50.969	ug/L	99
35) Methylcyclohexane	6.124	83	260319	49.292	ug/L	98
37) 1,2-Dichloropropane	6.166	63	163383	54.552	ug/L	99
38) Bromodichloromethane	6.503	83	206120	49.854	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	199617	40.526	ug/L	100
40) 4-Methyl-2-pentanone	7.220	43	416113	116.528	ug/L	97
42) Toluene	7.381	91	690429	51.694	ug/L	100
44) trans-1,3-Dichloropropene	7.641	75	196355	42.094	ug/L	100
45) 1,1,2-Trichloroethane	7.831	97	160786	51.964	ug/L	99
46) Tetrachloroethene	7.966	164	126698	50.679	ug/L	98
48) 2-Hexanone	8.133	43	325647	119.363	ug/L	95
49) Dibromochloromethane	8.236	129	167389	48.999	ug/L	100
50) 1,2-Dibromoethane	8.342	107	159324	49.980	ug/L	99
51) Chlorobenzene	8.873	112	435701	51.517	ug/L	99
52) Ethylbenzene	9.005	91	726454	51.735	ug/L	100
53) m,p-Xylene	9.130	106	281816	50.708	ug/L	100
54) o-Xylene	9.535	106	280952	51.106	ug/L	100
55) Styrene	9.551	104	500775	52.418	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.230	83	263397	53.216	ug/L	98
59) Bromoform	9.722	173	124401	47.331	ug/L	98
60) Isopropylbenzene	9.921	105	737384	52.786	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	198028	53.920	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	616860	49.943	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	615110	50.240	ug/L	100
64) 1,3-Dichlorobenzene	11.169	146	339746	49.741	ug/L	99
65) 1,4-Dichlorobenzene	11.262	146	344636	49.648	ug/L	100
67) 1,2-Dichlorobenzene	11.632	146	349272	50.007	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.413	75	53641	46.993	ug/L	95
69) 1,3,5-Trichlorobenzene	12.632	180	260947	48.007	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	234563	48.528	ug/L	99
71) Naphthalene	13.490	128	588144	53.644	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	240937	50.892	ug/L	99

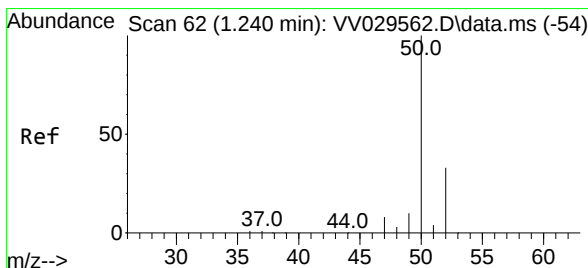
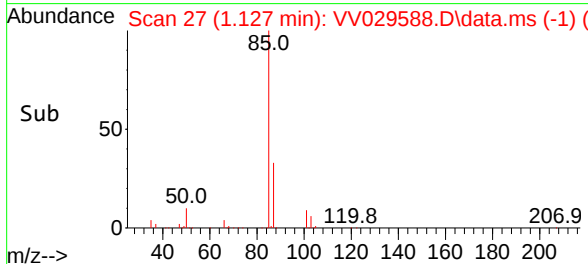
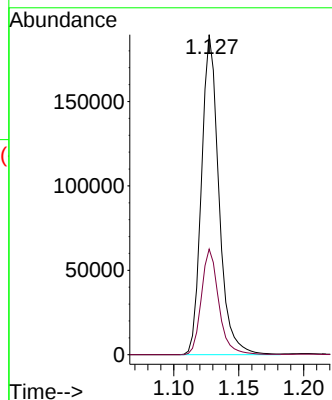
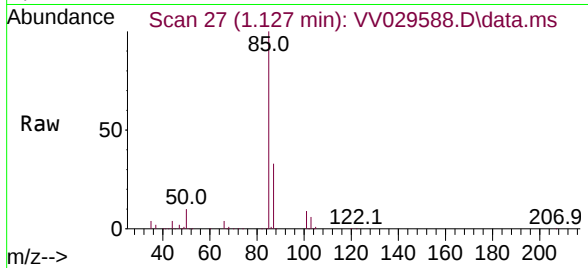
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#2
 Dichlorodifluoromethane
 Concen: 47.290 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV029588.D
 Acq: 10 Dec 2022 17:59

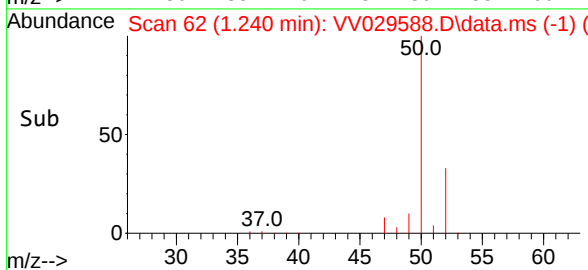
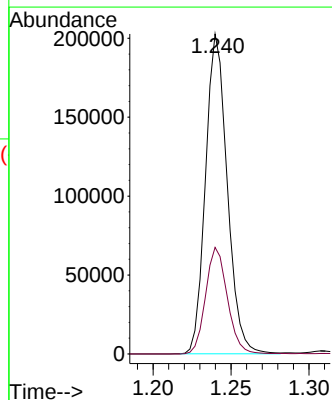
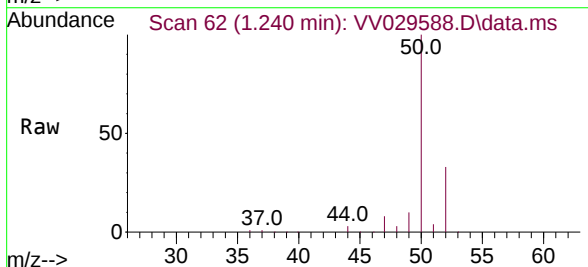
Instrument :
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 ClientSampleId :
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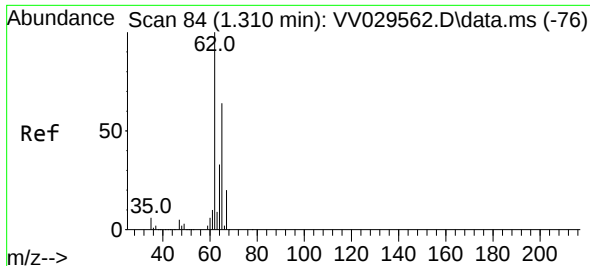
Tgt Ion: 85 Resp: 177209
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.9 38.9



#3
 Chloromethane
 Concen: 45.968 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV029588.D
 Acq: 10 Dec 2022 17:59

Tgt Ion: 50 Resp: 196397
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.3 43.3

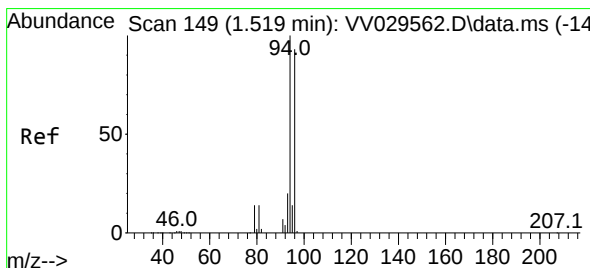
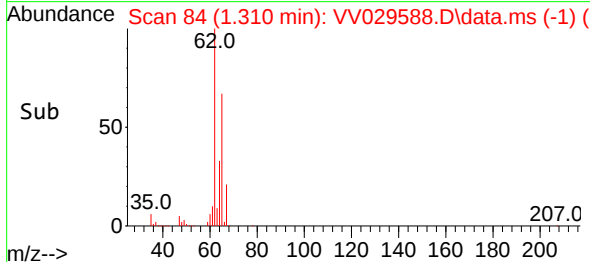
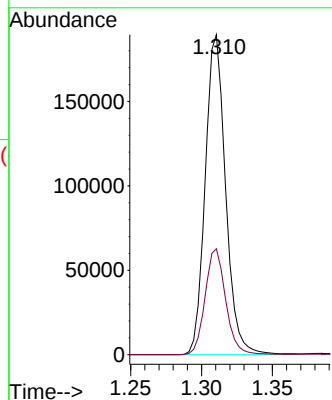
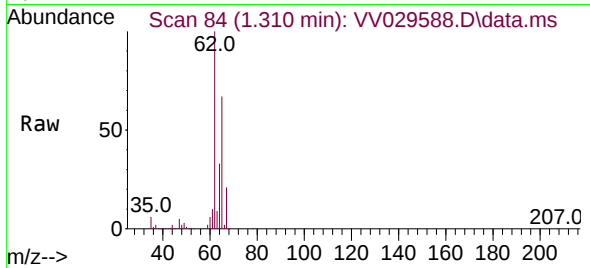




#5
 Vinyl chloride
 Concen: 53.056 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV029588.D
 Acq: 10 Dec 2022 17:59

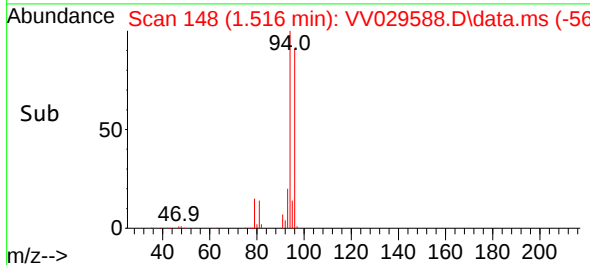
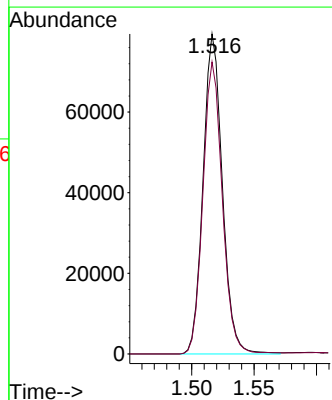
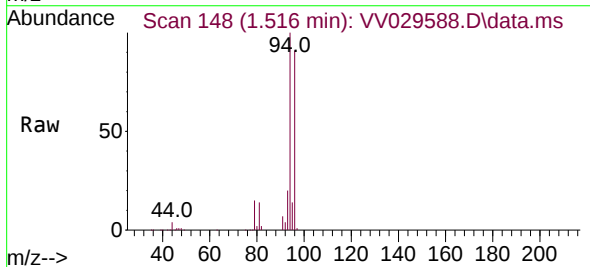
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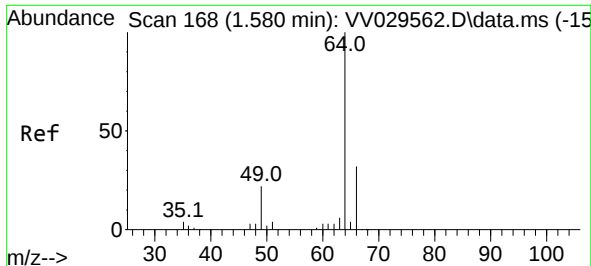
Tgt Ion: 62 Resp: 189658
 Ion Ratio Lower Upper
 62 100
 64 33.1 22.5 41.9



#6
 Bromomethane
 Concen: 59.363 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. -0.003 min
 Lab File: VV029588.D
 Acq: 10 Dec 2022 17:59

Tgt Ion: 94 Resp: 85385
 Ion Ratio Lower Upper
 94 100
 96 91.3 65.1 120.9

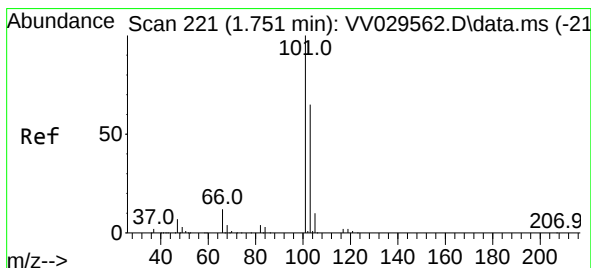
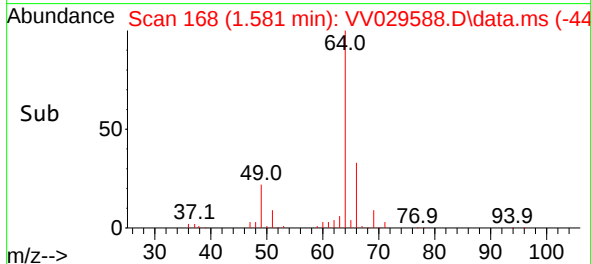
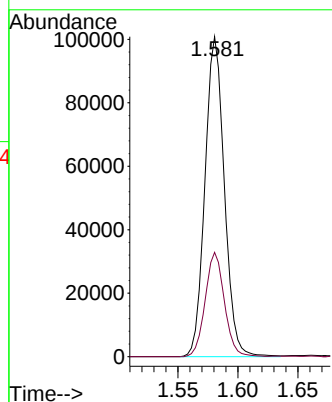
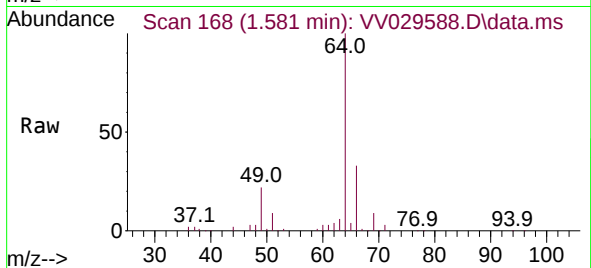




#8
Chloroethane
Concen: 57.034 ug/L
RT: 1.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

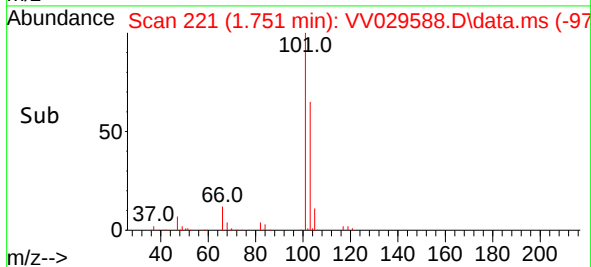
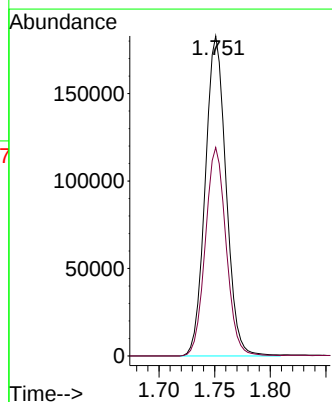
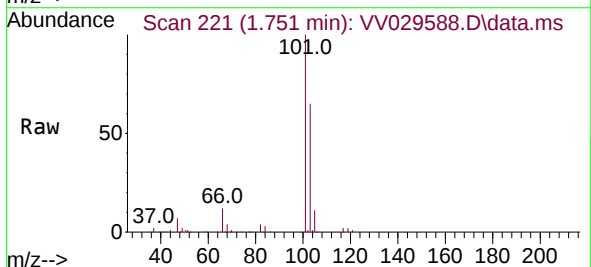
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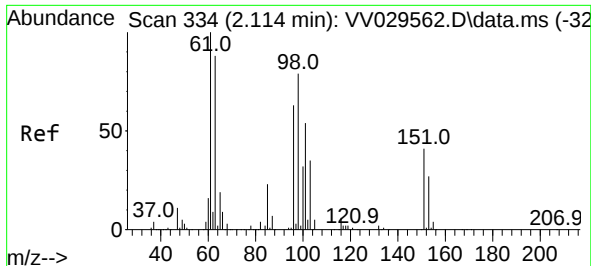
Tgt Ion: 64 Resp: 113525
Ion Ratio Lower Upper
64 100
66 32.6 22.5 41.9



#9
Trichlorofluoromethane
Concen: 53.148 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

Tgt Ion:101 Resp: 237834
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.8

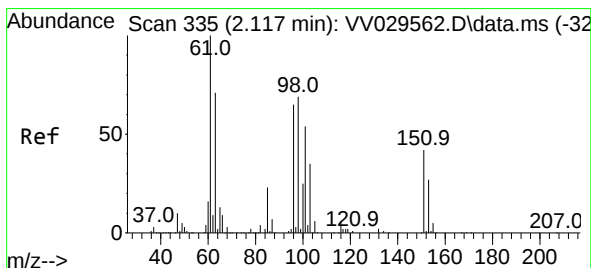
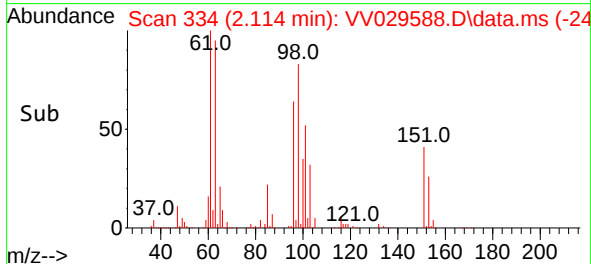
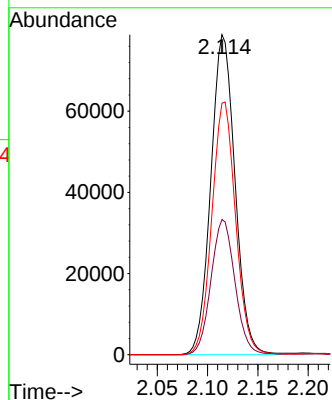
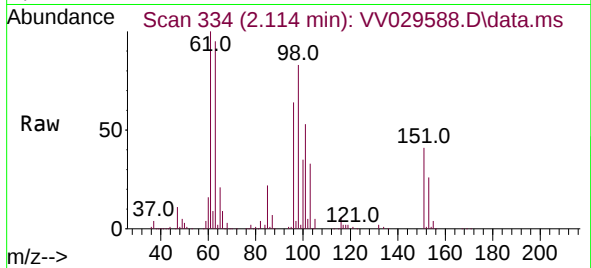




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 53.098 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV029588.D
 Acq: 10 Dec 2022 17:59

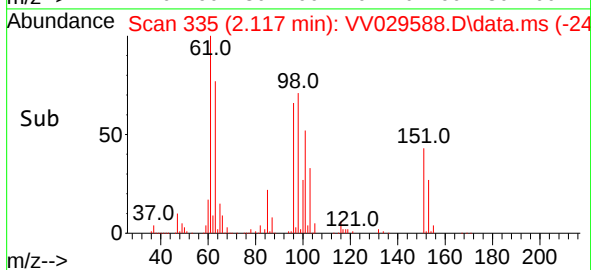
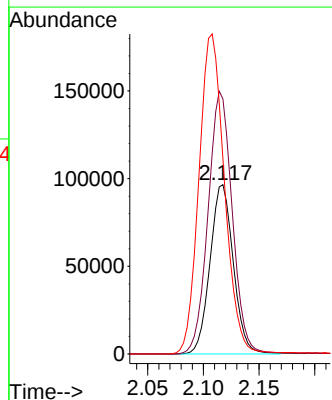
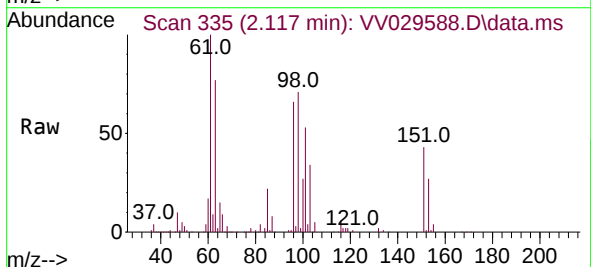
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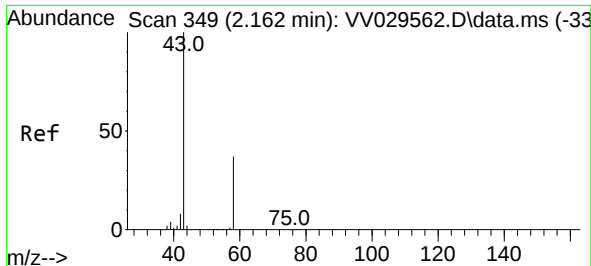
Tgt Ion:101 Resp: 132031
 Ion Ratio Lower Upper
 101 100
 85 41.8 33.6 50.4
 151 77.5 63.5 95.3



#12
 1,1-Dichloroethene
 Concen: 55.213 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV029588.D
 Acq: 10 Dec 2022 17:59

Tgt Ion: 96 Resp: 140403
 Ion Ratio Lower Upper
 96 100
 61 150.6 103.3 191.9
 63 115.3 77.3 143.7





#13

Acetone

Concen: 107.431 ug/L

RT: 2.159 min Scan# 34

Delta R.T. -0.003 min

Lab File: VV029588.D

Acq: 10 Dec 2022 17:59

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MSVOA_V

ClientSampleId :

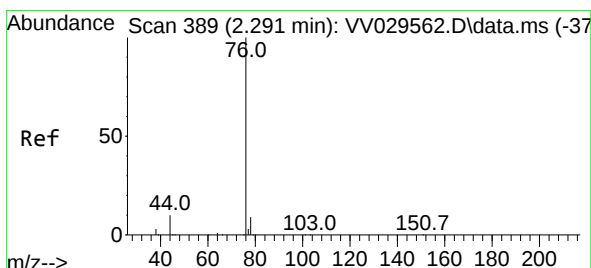
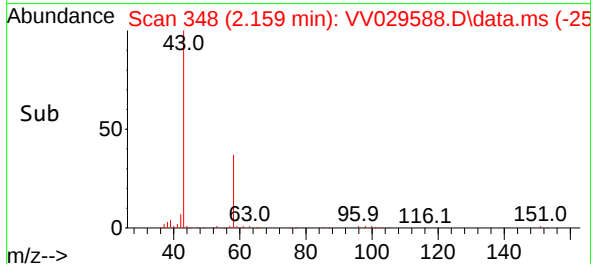
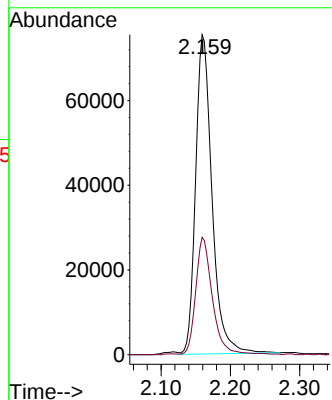
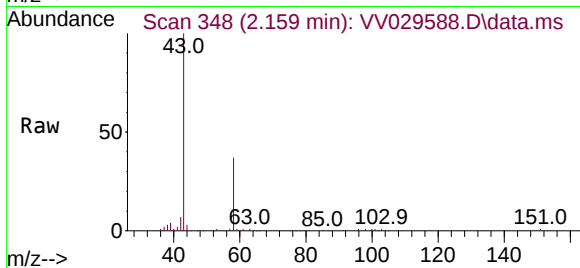
VSTD050382

Tgt Ion: 43 Resp: 124375

Ion Ratio Lower Upper

43 100

58 36.7 0.0 74.8



#14

Carbon disulfide

Concen: 48.279 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.000 min

Lab File: VV029588.D

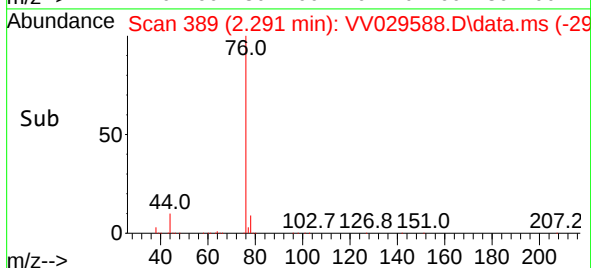
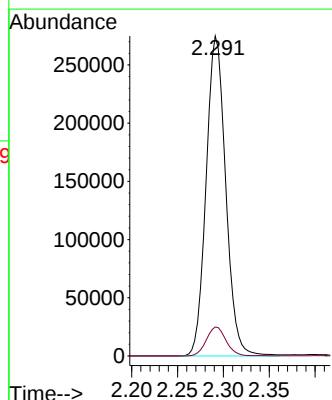
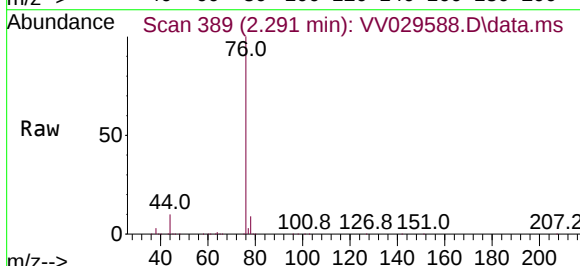
Acq: 10 Dec 2022 17:59

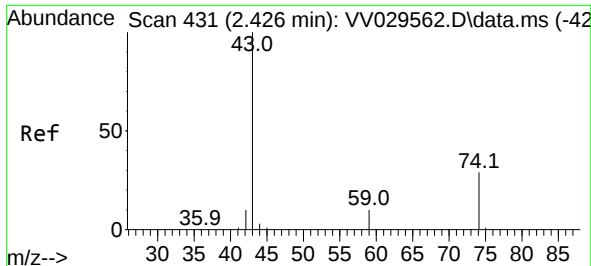
Tgt Ion: 76 Resp: 408593

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

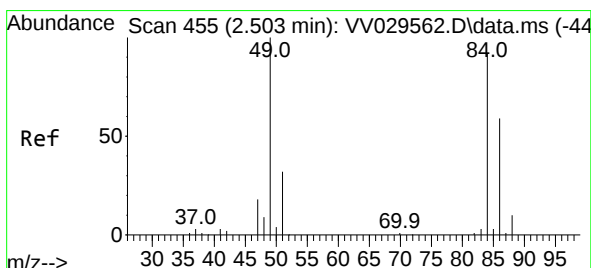
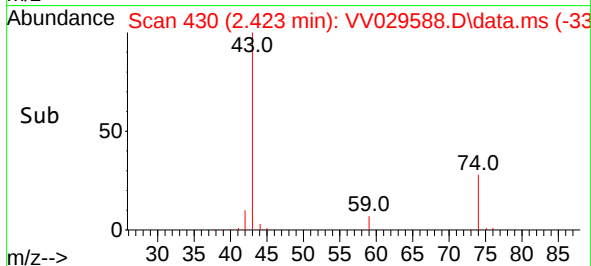
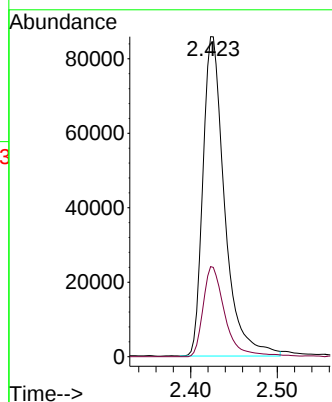
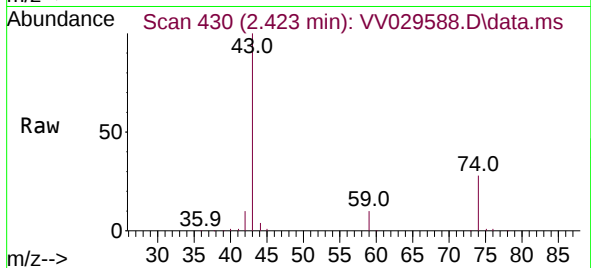




#15
Methyl Acetate
Concen: 56.700 ug/L
RT: 2.423 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

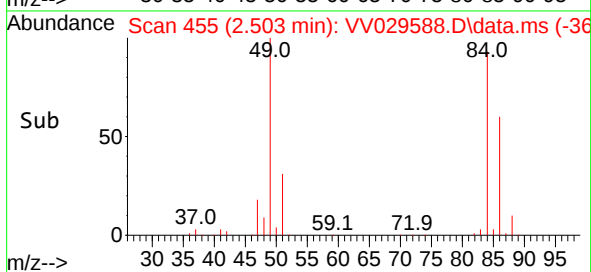
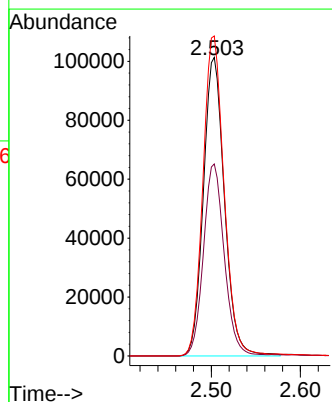
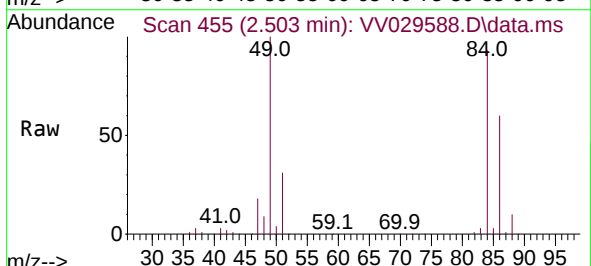
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

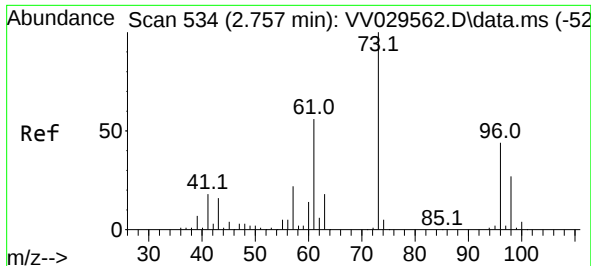
Tgt Ion: 43 Resp: 149556
Ion Ratio Lower Upper
43 100
74 28.4 23.5 35.3



#16
Methylene chloride
Concen: 52.692 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

Tgt Ion: 84 Resp: 166604
Ion Ratio Lower Upper
84 100
86 64.3 46.0 85.4
49 107.2 72.2 134.0

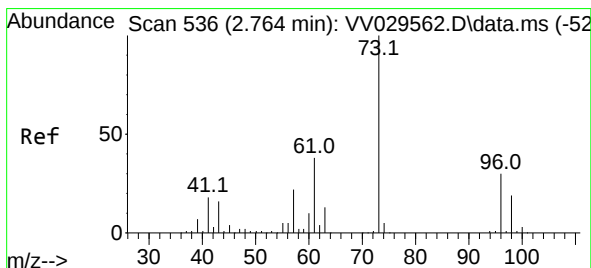
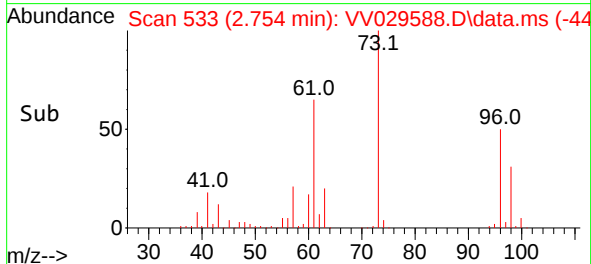
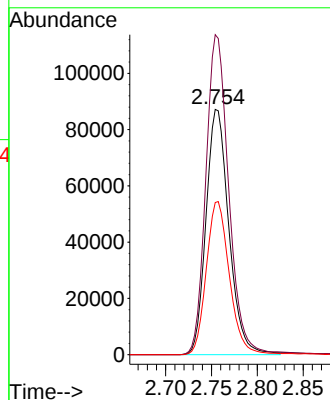
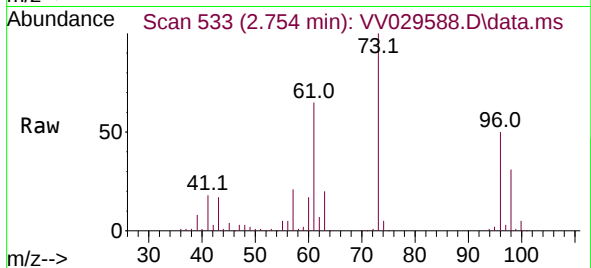




#17
trans-1,2-Dichloroethene
Concen: 51.690 ug/L
RT: 2.754 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

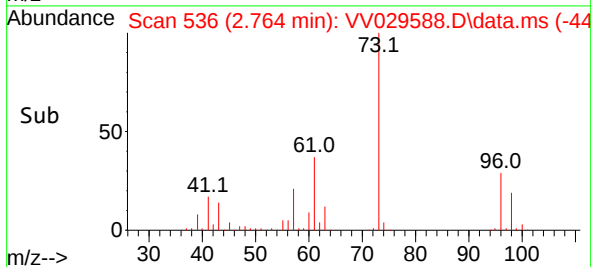
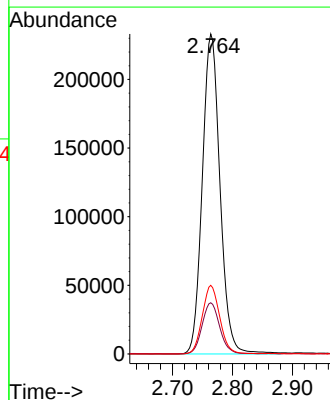
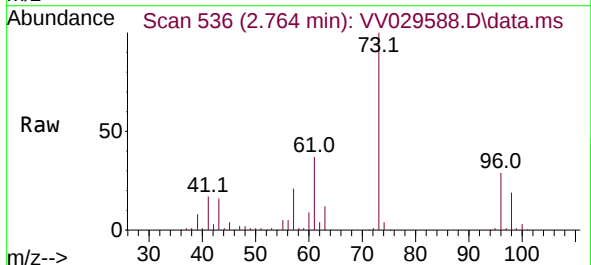
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

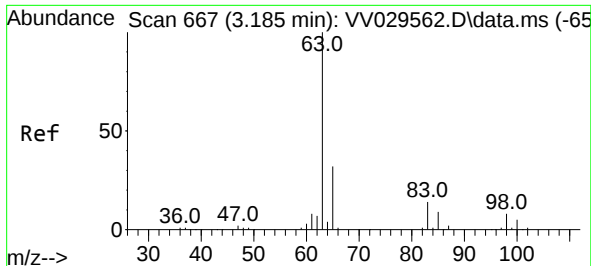
Tgt Ion: 96 Resp: 151456
Ion Ratio Lower Upper
96 100
61 130.4 86.4 160.4
98 62.0 43.4 80.6



#18
Methyl tert-butyl Ether
Concen: 53.421 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

Tgt Ion: 73 Resp: 479566
Ion Ratio Lower Upper
73 100
43 15.7 12.7 19.1
57 21.2 16.7 25.1

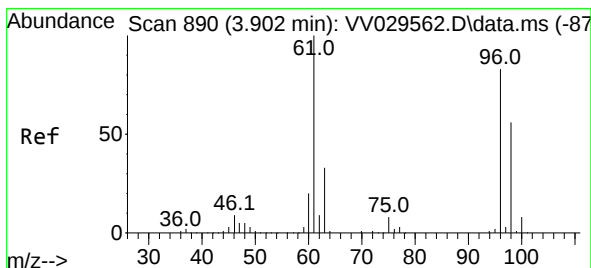
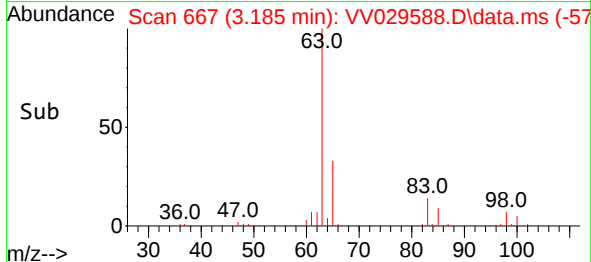
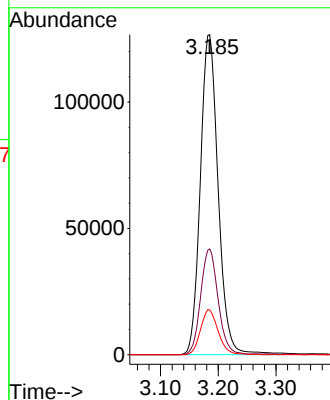
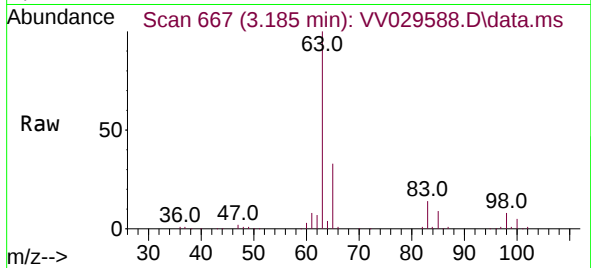




#19
1,1-Dichloroethane
Concen: 54.097 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

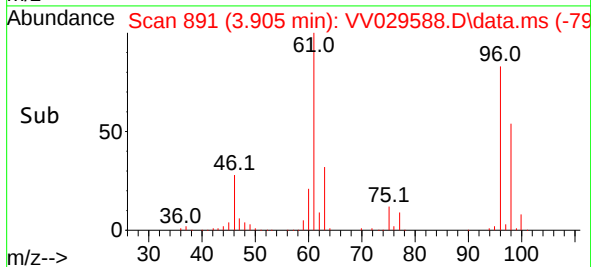
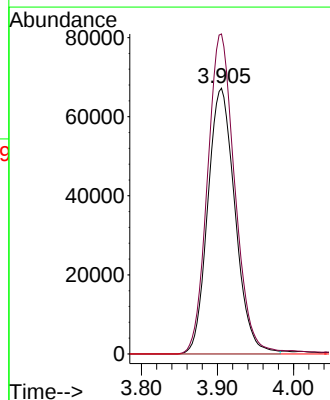
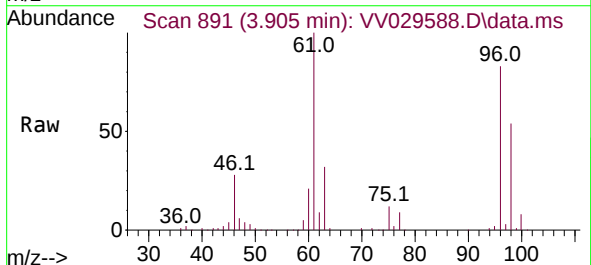
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

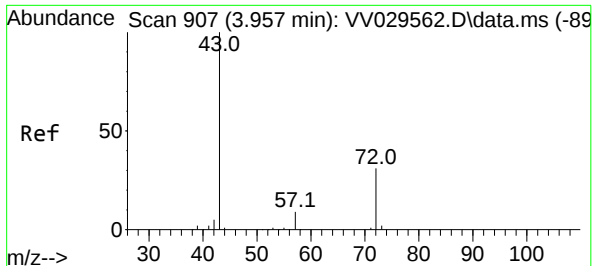
Tgt Ion: 63 Resp: 271546
Ion Ratio Lower Upper
63 100
65 33.0 22.5 41.7
83 14.0 10.4 19.2



#20
cis-1,2-Dichloroethene
Concen: 52.057 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.003 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

Tgt Ion: 96 Resp: 167724
Ion Ratio Lower Upper
96 100
61 120.4 78.0 144.9
68 0.0 0.0 0.0

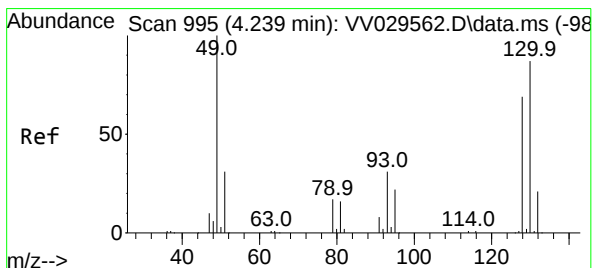
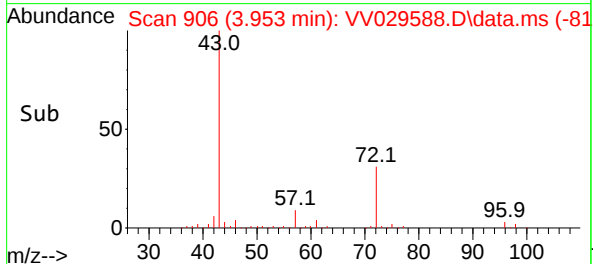
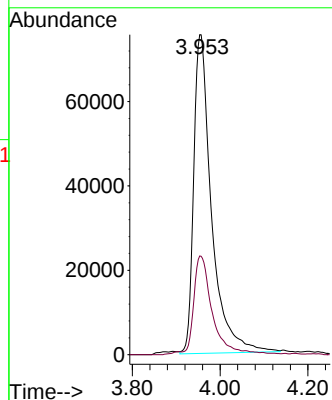
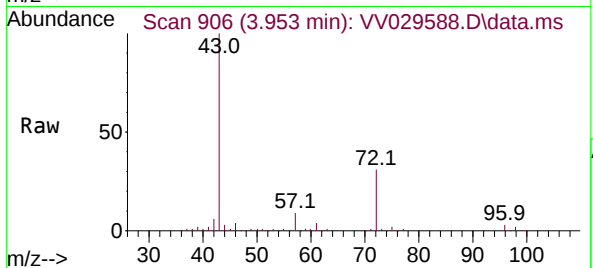




#22
2-Butanone
Concen: 115.724 ug/L
RT: 3.953 min Scan# 907
Delta R.T. -0.003 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

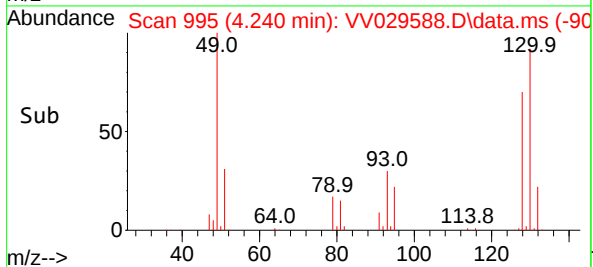
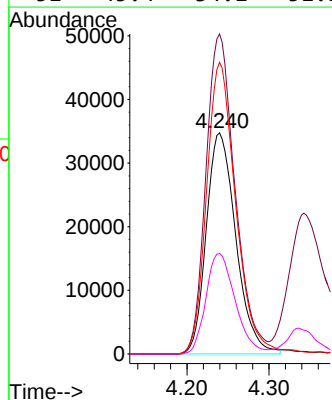
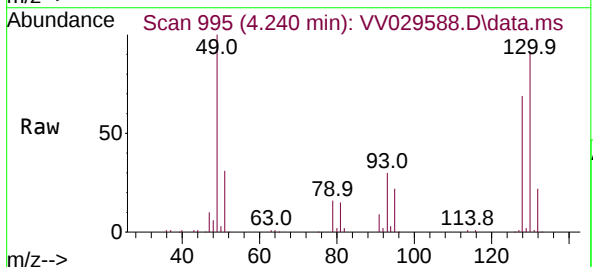
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

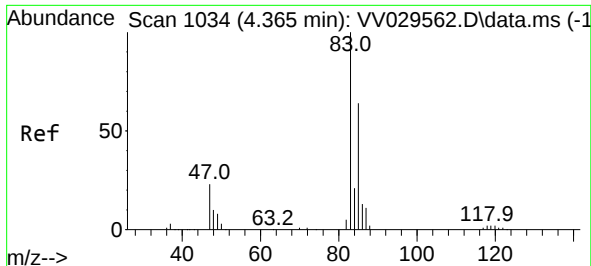
Tgt Ion: 43 Resp: 213180
Ion Ratio Lower Upper
43 100
72 29.3 15.9 47.6



#23
Bromochloromethane
Concen: 52.425 ug/L
RT: 4.240 min Scan# 995
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

Tgt Ion:128 Resp: 86977
Ion Ratio Lower Upper
128 100
49 144.7 92.2 171.2
130 131.9 88.3 164.1
51 45.4 34.1 51.1





#25

Chloroform

Concen: 53.721 ug/L

RT: 4.368 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV029588.D

Acq: 10 Dec 2022 17:59

Instrument :

MSVOA_V

ClientSampleId :

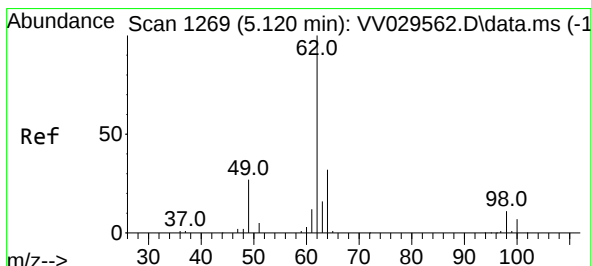
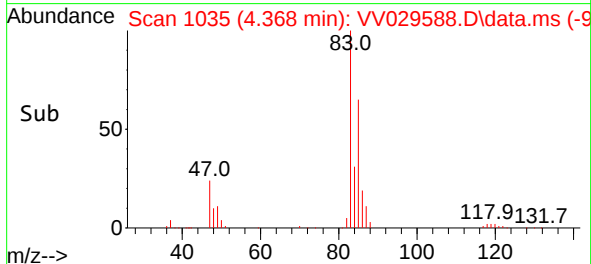
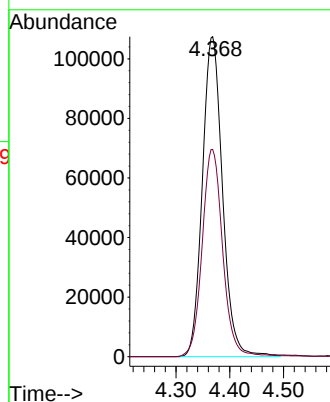
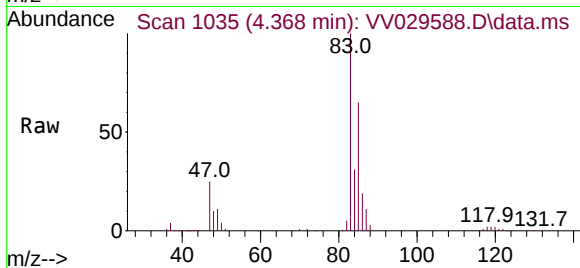
VSTD050382

Tgt Ion: 83 Resp: 279556

Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.9



#27

1,2-Dichloroethane

Concen: 54.409 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. 0.003 min

Lab File: VV029588.D

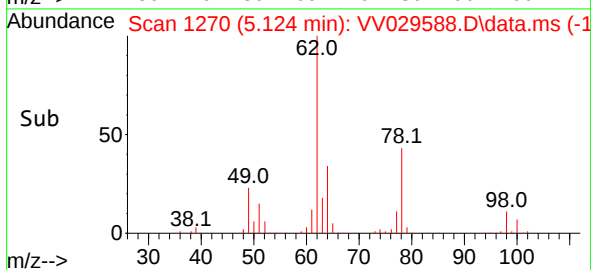
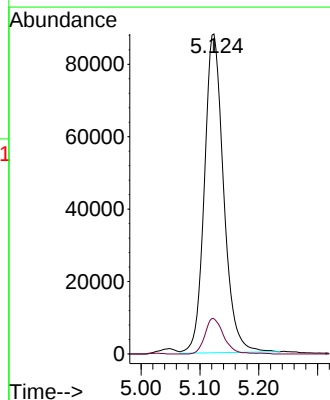
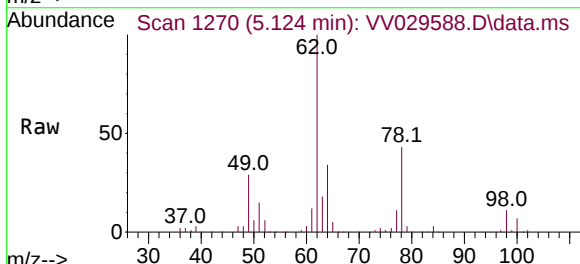
Acq: 10 Dec 2022 17:59

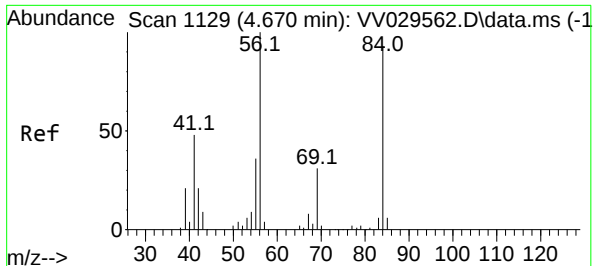
Tgt Ion: 62 Resp: 200010

Ion Ratio Lower Upper

62 100

98 11.0 9.4 14.0

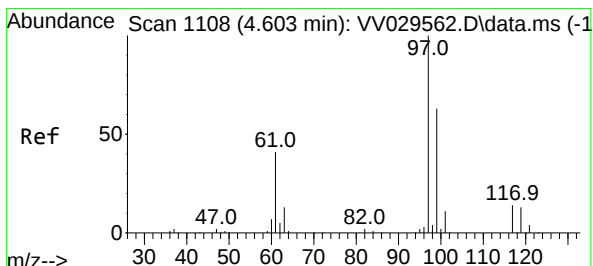
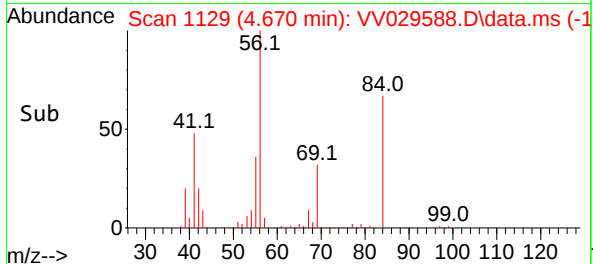
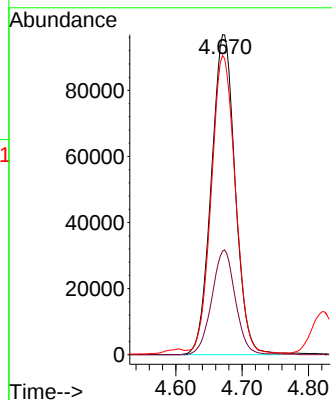
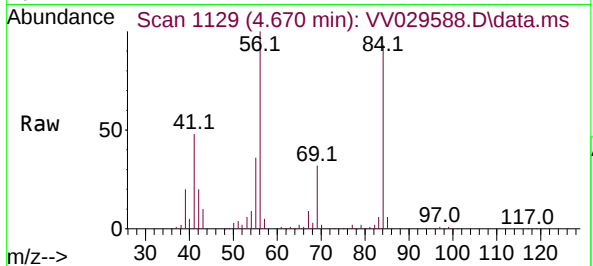




#29
Cyclohexane
Concen: 50.686 ug/L
RT: 4.670 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

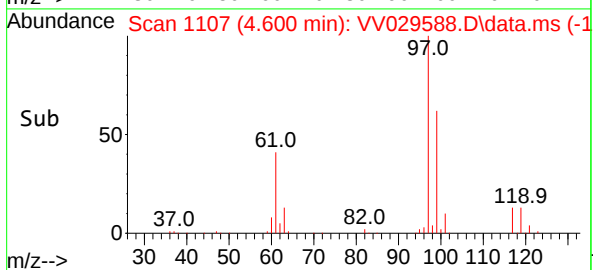
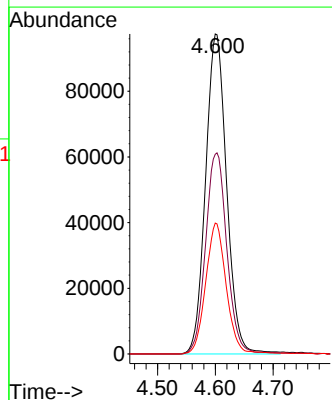
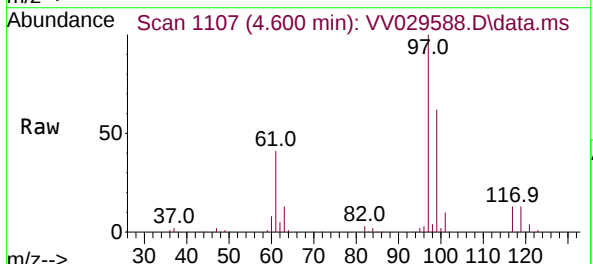
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

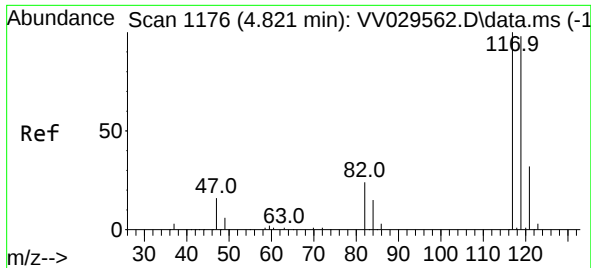
Tgt Ion: 56 Resp: 241717
Ion Ratio Lower Upper
56 100
69 32.2 25.8 38.8
84 94.1 76.6 114.8



#30
1,1,1-Trichloroethane
Concen: 51.494 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. -0.003 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

Tgt Ion: 97 Resp: 246979
Ion Ratio Lower Upper
97 100
99 63.3 52.1 78.1
61 39.5 31.8 47.8

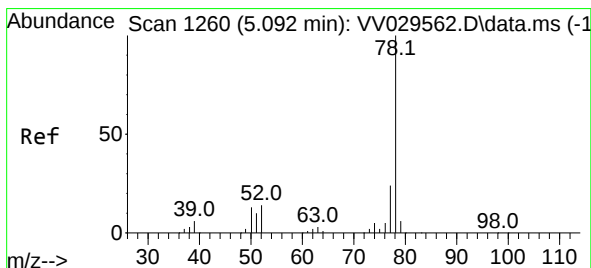
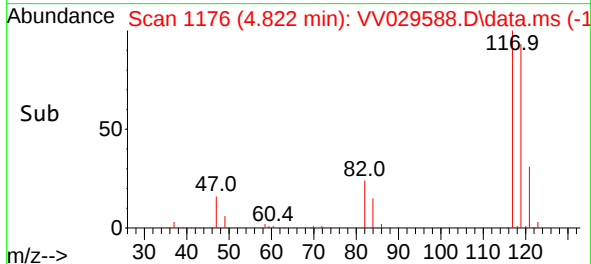
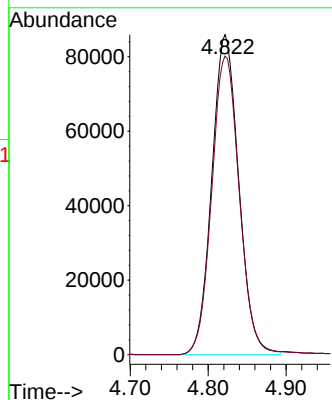
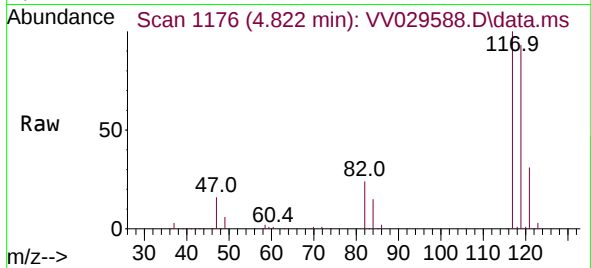




#31
Carbon tetrachloride
Concen: 49.237 ug/L
RT: 4.822 min Scan# 1176
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

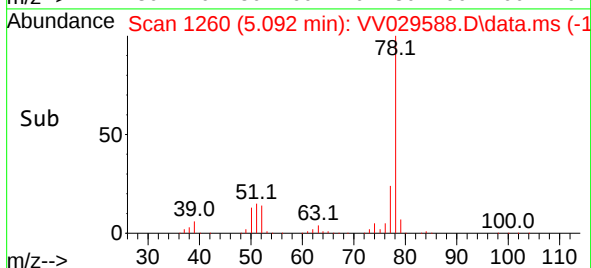
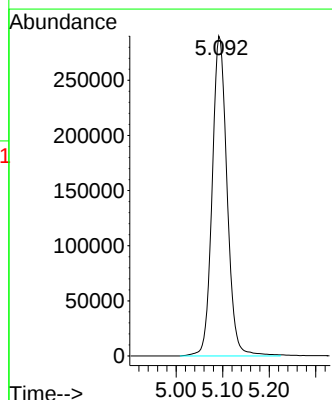
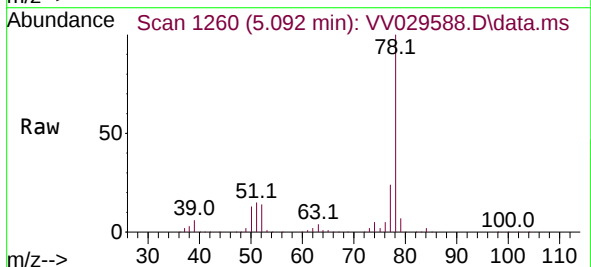
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

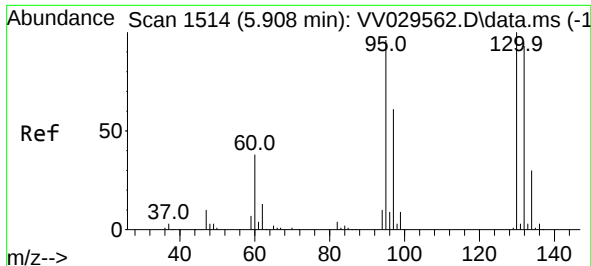
Tgt Ion:117 Resp: 206224
Ion Ratio Lower Upper
117 100
119 96.0 76.7 115.1



#33
Benzene
Concen: 52.127 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

Tgt Ion: 78 Resp: 646837

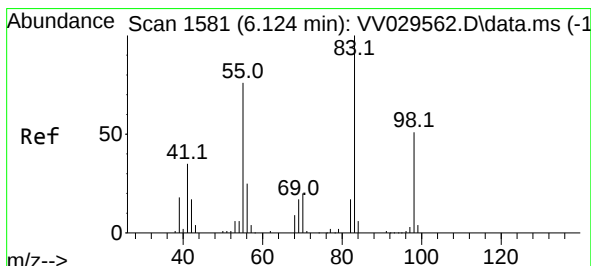
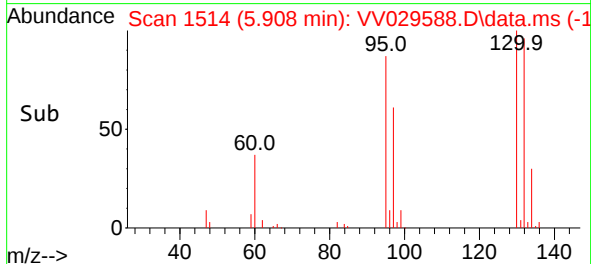
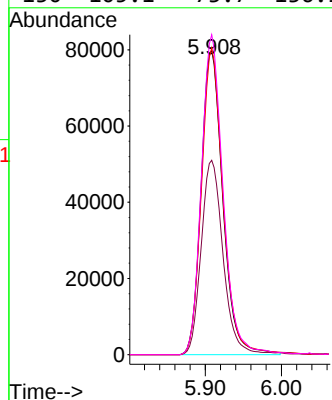
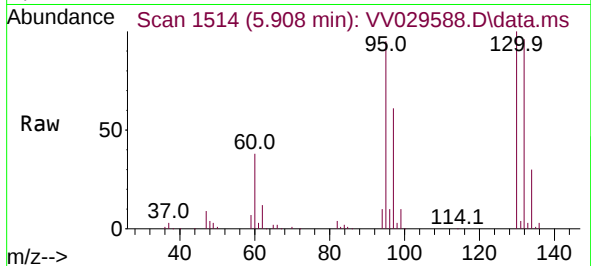




#34
Trichloroethene
Concen: 50.969 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

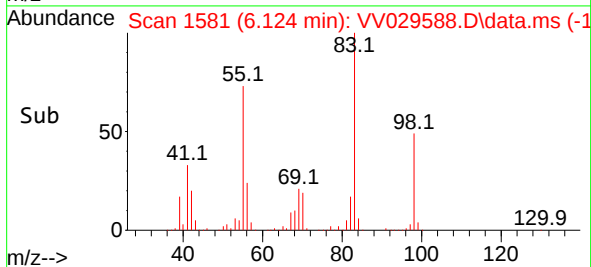
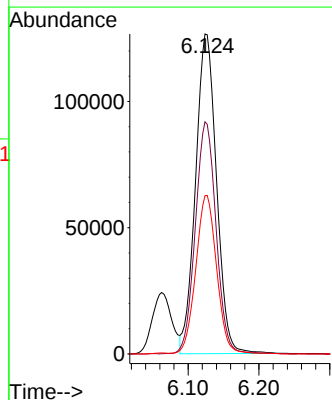
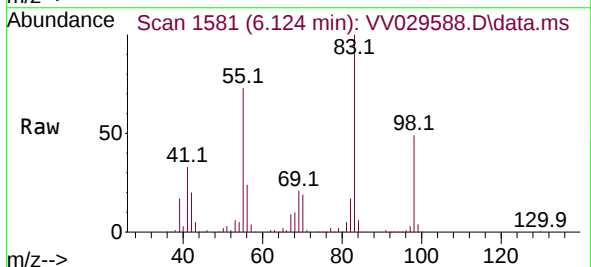
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

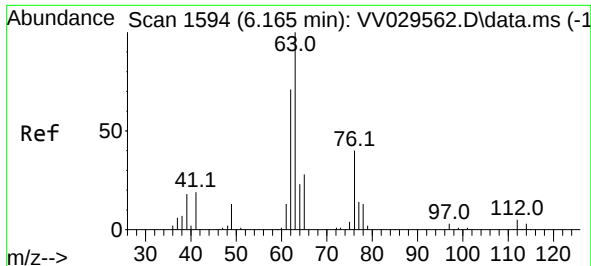
Tgt Ion: 95 Resp: 158488
Ion Ratio Lower Upper
95 100
97 63.9 44.0 81.8
132 100.8 69.9 129.9
130 105.1 73.7 136.9



#35
Methylcyclohexane
Concen: 49.292 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

Tgt Ion: 83 Resp: 260319
Ion Ratio Lower Upper
83 100
55 71.2 55.5 83.3
98 48.8 39.8 59.8





#37

1,2-Dichloropropane

Concen: 54.552 ug/L

RT: 6.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV029588.D

Acq: 10 Dec 2022 17:59

Instrument :

MSVOA_V

ClientSampleId :

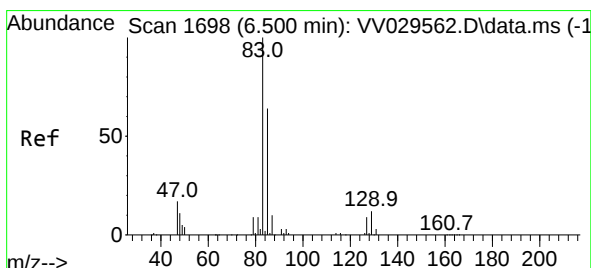
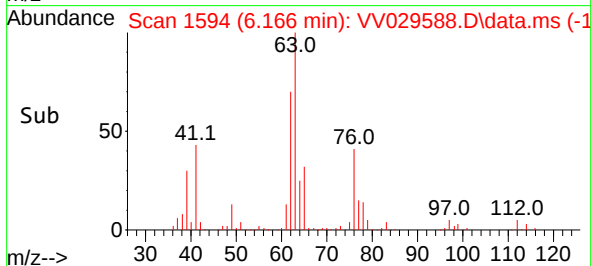
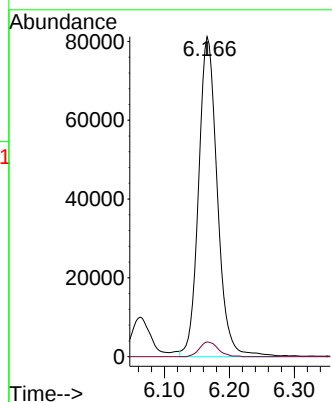
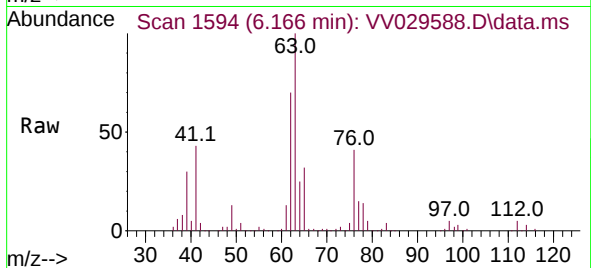
VSTD050382

Tgt Ion: 63 Resp: 163383

Ion Ratio Lower Upper

63 100

112 4.6 3.9 5.9



#38

Bromodichloromethane

Concen: 49.854 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.003 min

Lab File: VV029588.D

Acq: 10 Dec 2022 17:59

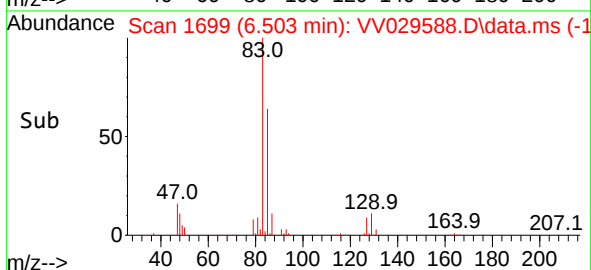
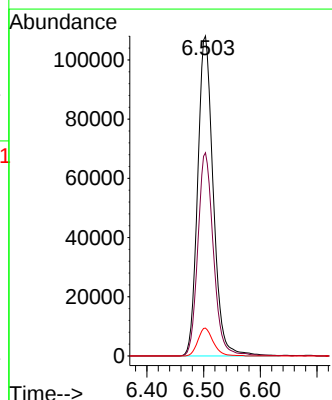
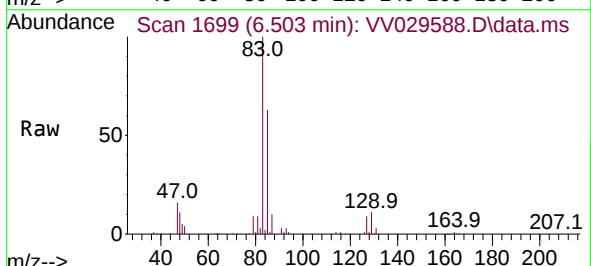
Tgt Ion: 83 Resp: 206120

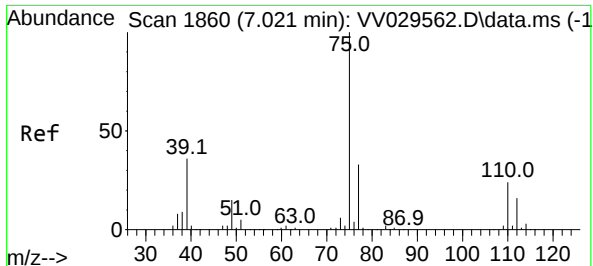
Ion Ratio Lower Upper

83 100

85 63.5 45.3 84.1

127 8.7 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 40.526 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. 0.000 min

Lab File: VV029588.D

Acq: 10 Dec 2022 17:59

Instrument :

MSVOA_V

ClientSampleId :

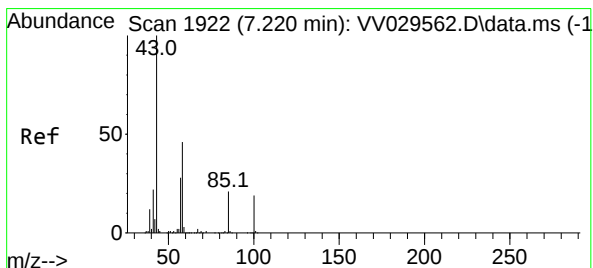
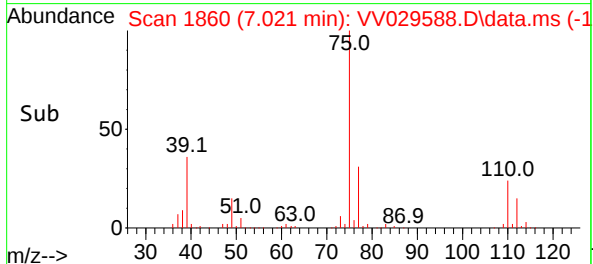
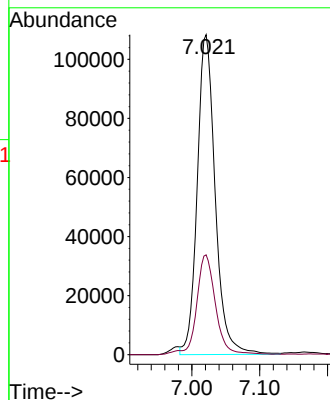
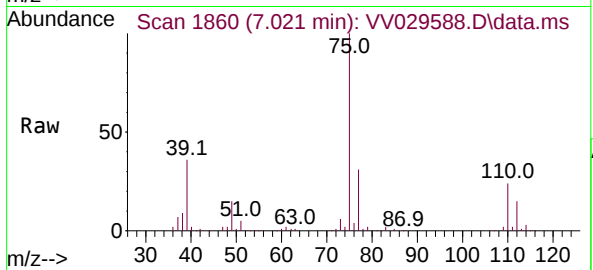
VSTD050382

Tgt Ion: 75 Resp: 199617

Ion Ratio Lower Upper

75 100

77 31.2 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 116.528 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. 0.000 min

Lab File: VV029588.D

Acq: 10 Dec 2022 17:59

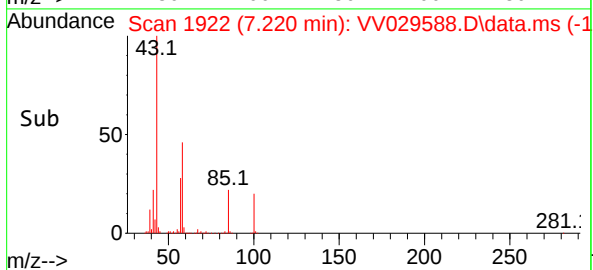
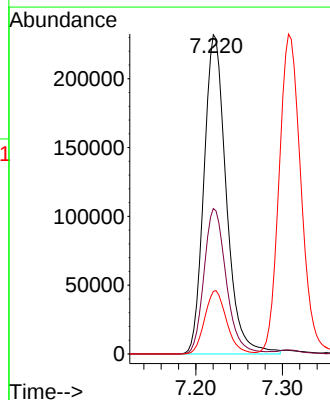
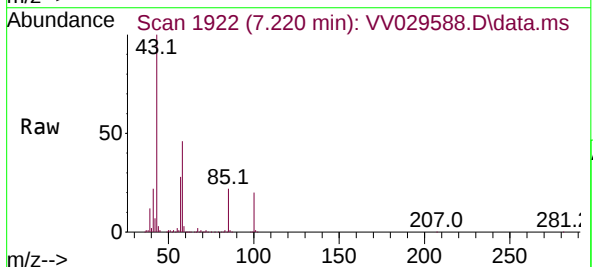
Tgt Ion: 43 Resp: 416113

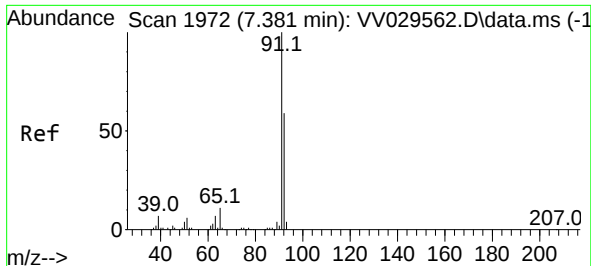
Ion Ratio Lower Upper

43 100

58 45.4 37.5 56.3

100 19.4 16.7 25.1

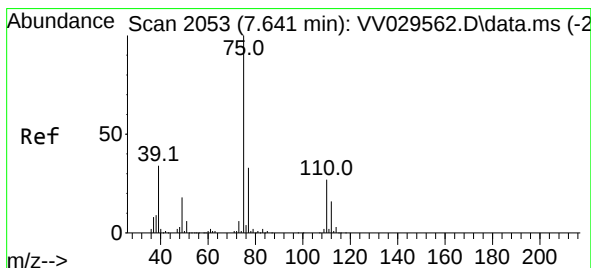
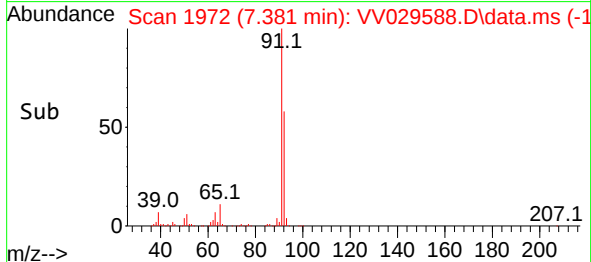
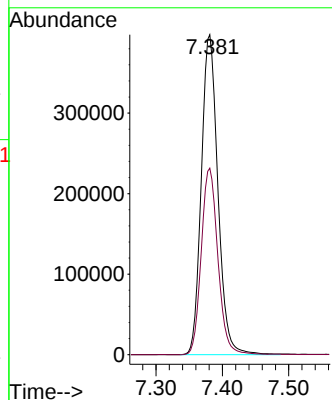
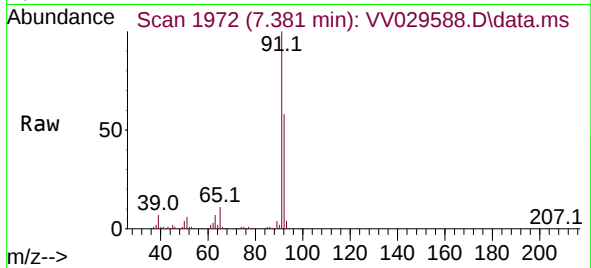




#42
Toluene
Concen: 51.694 ug/L
RT: 7.381 min Scan# 1972
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

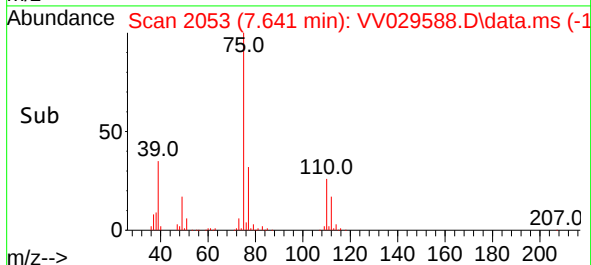
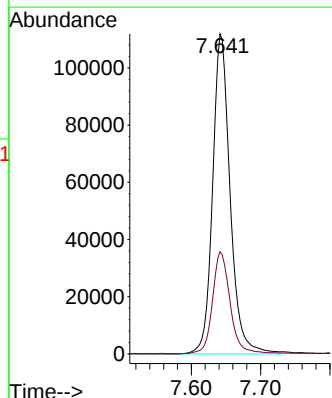
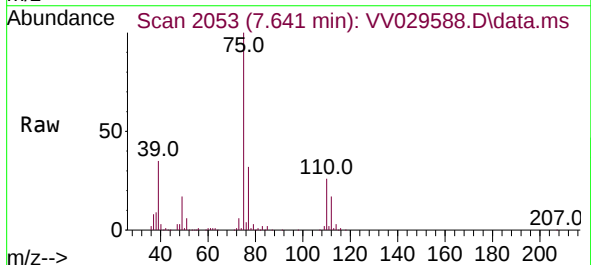
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

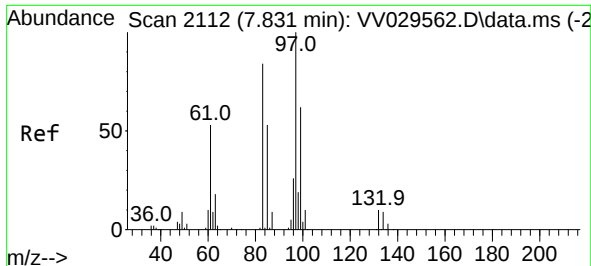
Tgt Ion: 91 Resp: 690429
Ion Ratio Lower Upper
91 100
92 58.3 40.6 75.4



#44
trans-1,3-Dichloropropene
Concen: 42.094 ug/L
RT: 7.641 min Scan# 2053
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

Tgt Ion: 75 Resp: 196355
Ion Ratio Lower Upper
75 100
77 31.9 22.3 41.5

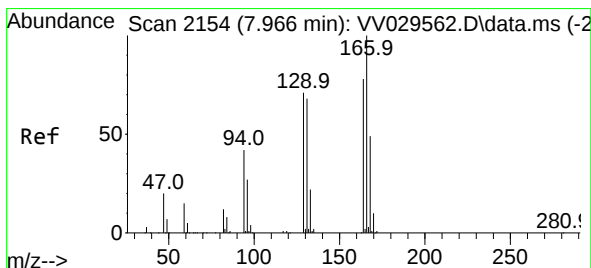
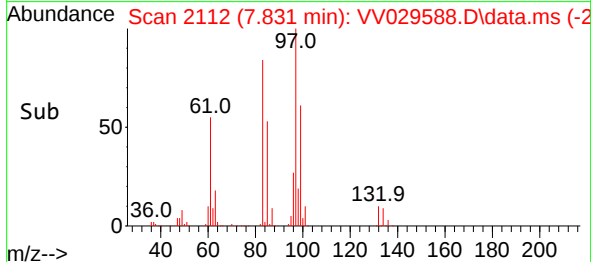
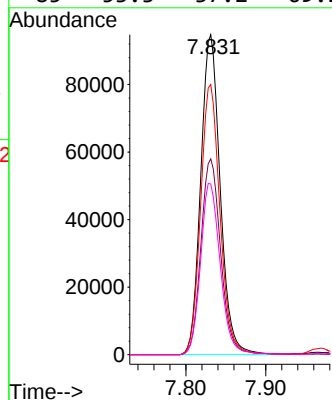
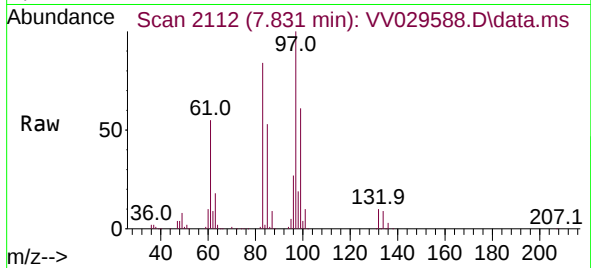




#45
1,1,2-Trichloroethane
Concen: 51.964 ug/L
RT: 7.831 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

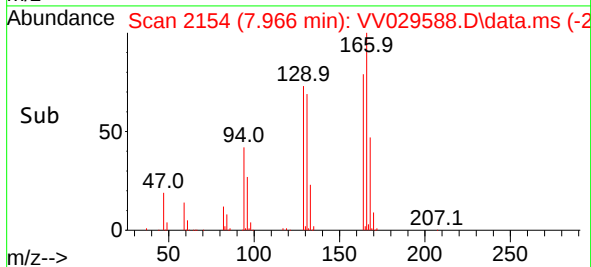
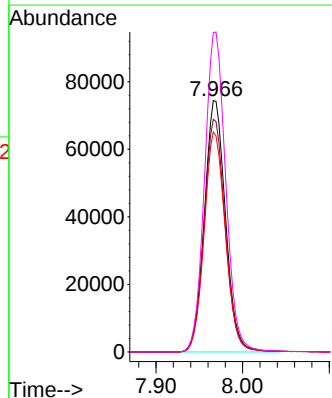
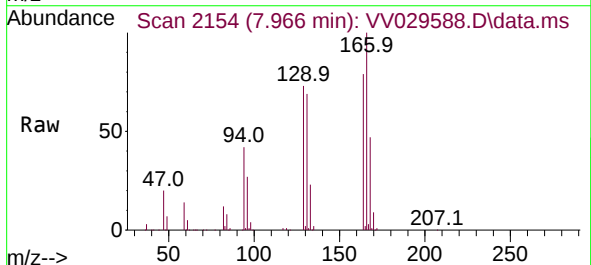
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

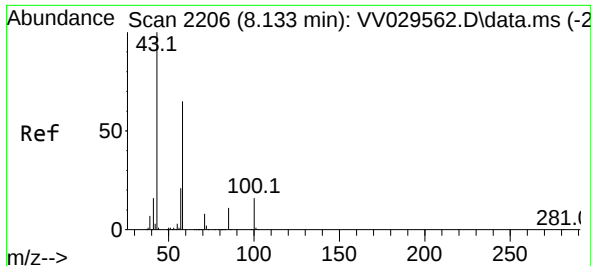
Tgt Ion:	97	Resp:	160786
Ion	Ratio	Lower	Upper
97	100		
99	61.2	43.8	81.3
83	84.4	58.6	108.8
85	53.3	37.2	69.2



#46
Tetrachloroethene
Concen: 50.679 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

Tgt Ion:	164	Resp:	126698
Ion	Ratio	Lower	Upper
164	100		
129	92.6	65.3	121.3
131	87.6	63.1	117.1
166	127.1	90.8	168.6



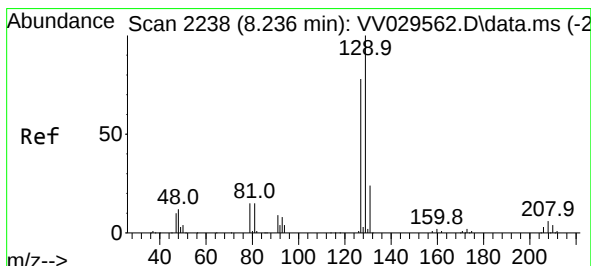
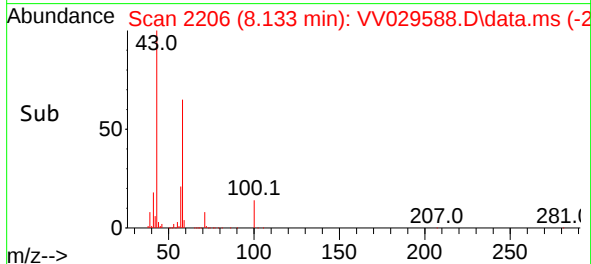
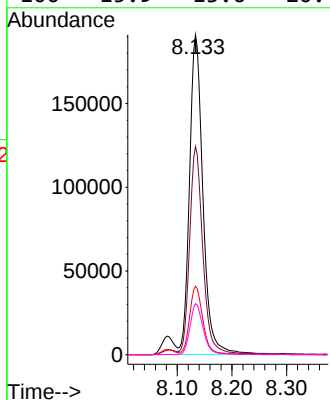
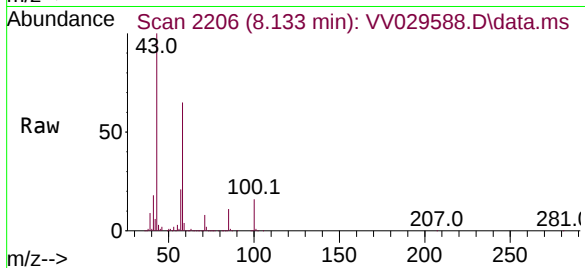


#48
2-Hexanone
Concen: 119.363 ug/L
RT: 8.133 min Scan# 2206
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

Tgt Ion: 43 Resp: 325647

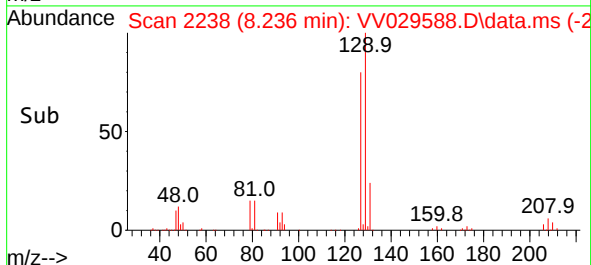
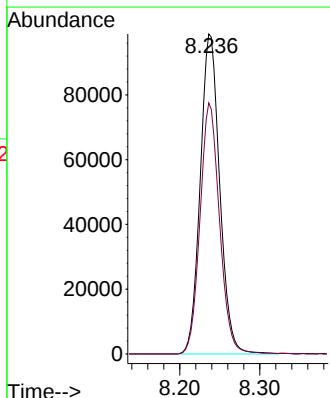
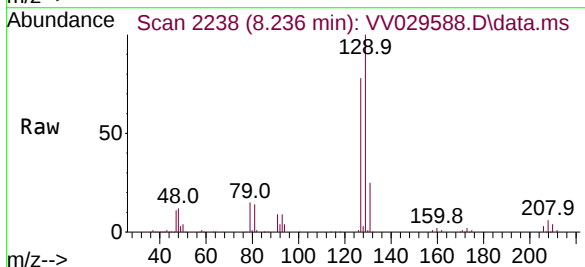
Ion	Ratio	Lower	Upper
43	100		
58	63.1	54.1	81.1
57	20.6	17.4	26.0
100	15.9	13.6	20.4

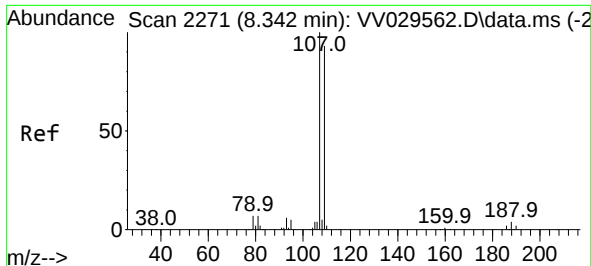


#49
Dibromochloromethane
Concen: 48.999 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

Tgt Ion: 129 Resp: 167389

Ion	Ratio	Lower	Upper
129	100		
127	78.5	55.2	102.4

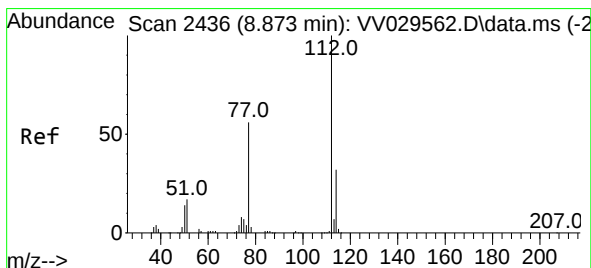
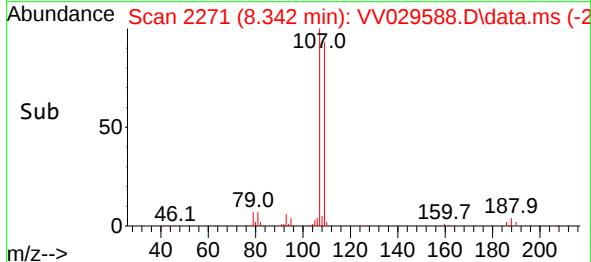
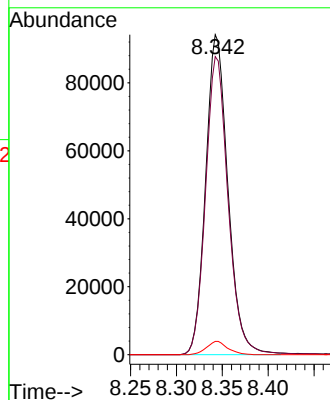
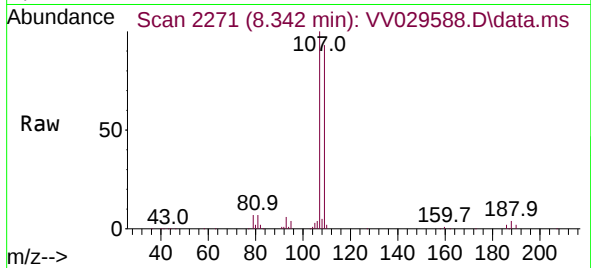




#50
1,2-Dibromoethane
Concen: 49.980 ug/L
RT: 8.342 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

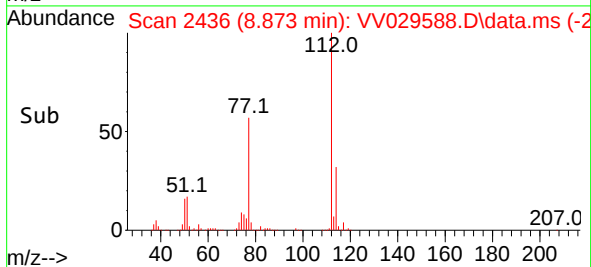
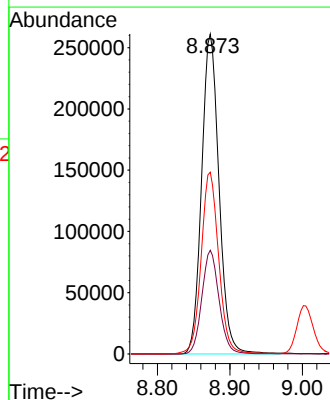
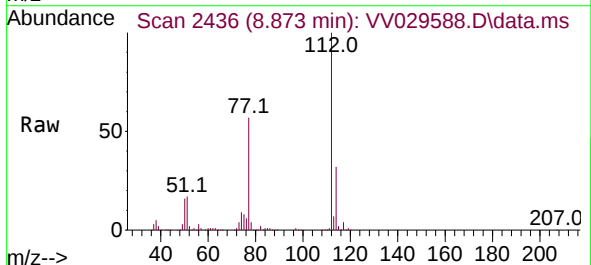
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

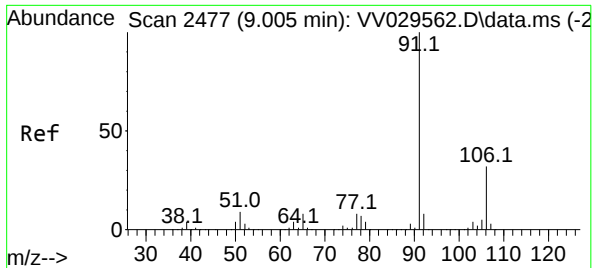
Tgt Ion:107 Resp: 159324
Ion Ratio Lower Upper
107 100
109 93.2 66.0 122.6
188 4.1 3.2 4.8



#51
Chlorobenzene
Concen: 51.517 ug/L
RT: 8.873 min Scan# 2436
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

Tgt Ion:112 Resp: 435701
Ion Ratio Lower Upper
112 100
114 32.4 22.3 41.3
77 56.8 45.0 67.4

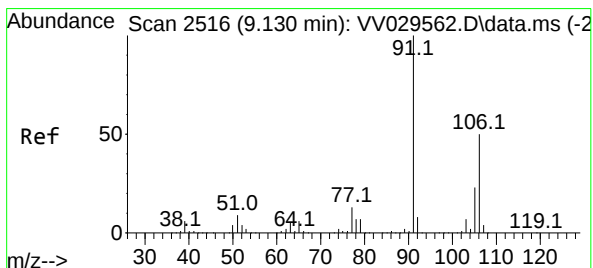
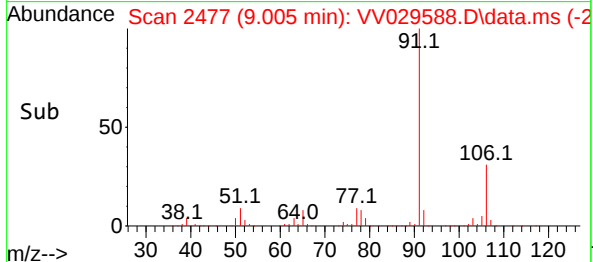
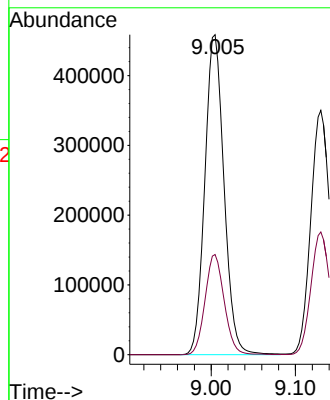
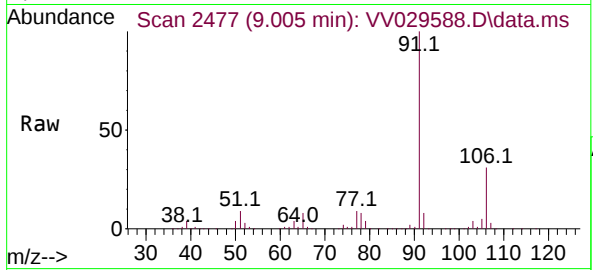




#52
Ethylbenzene
Concen: 51.735 ug/L
RT: 9.005 min Scan# 2477
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

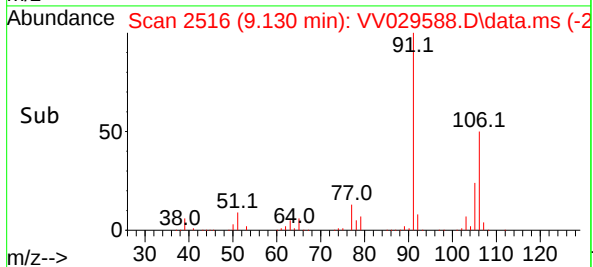
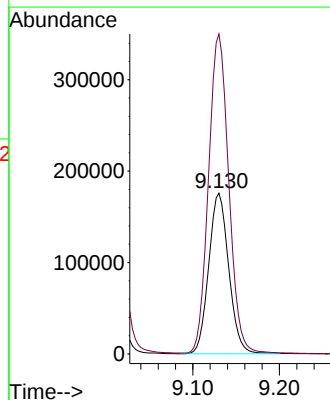
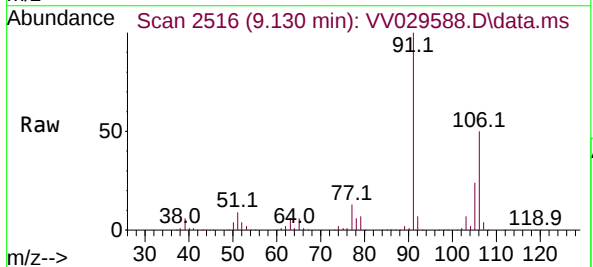
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

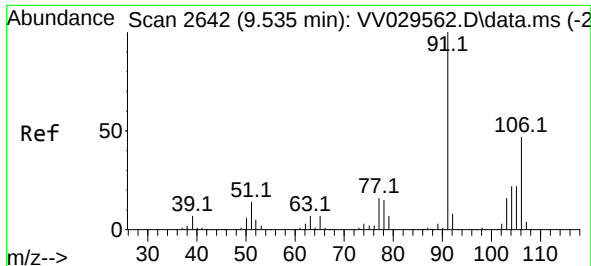
Tgt Ion: 91 Resp: 726454
Ion Ratio Lower Upper
91 100
106 31.3 21.8 40.6



#53
m,p-Xylene
Concen: 50.708 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

Tgt Ion: 106 Resp: 281816
Ion Ratio Lower Upper
106 100
91 199.1 139.5 259.1

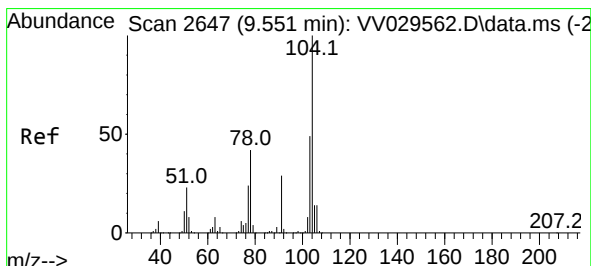
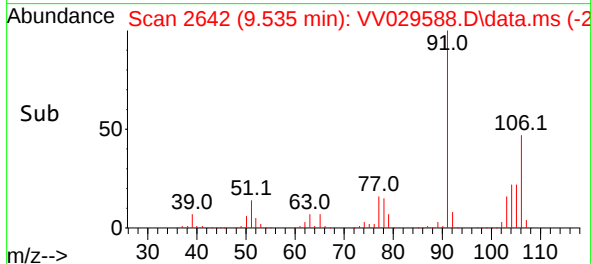
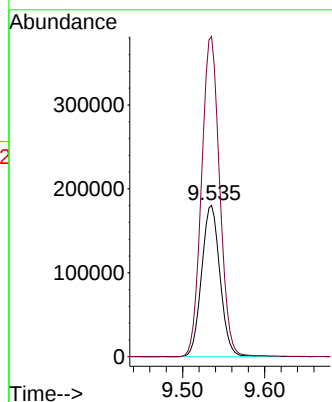
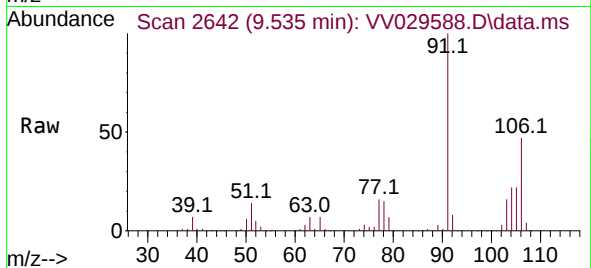




#54
o-Xylene
Concen: 51.106 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

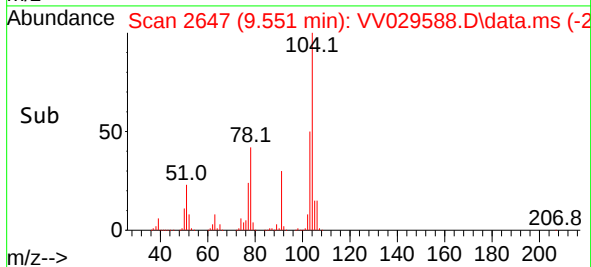
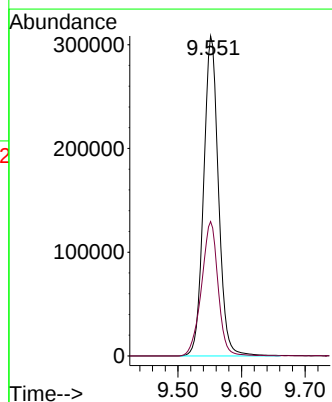
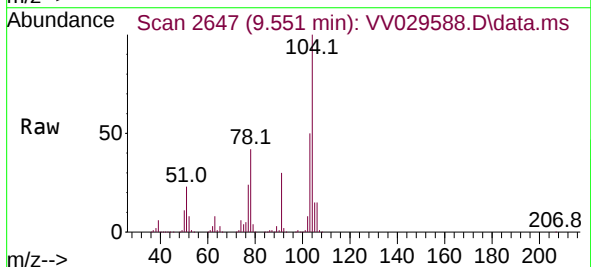
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

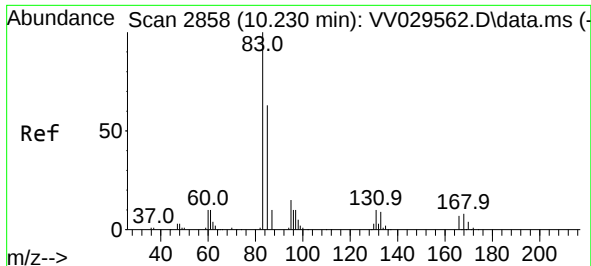
Tgt Ion:106 Resp: 280952
Ion Ratio Lower Upper
106 100
91 211.3 148.0 274.8



#55
Styrene
Concen: 52.418 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

Tgt Ion:104 Resp: 500775
Ion Ratio Lower Upper
104 100
78 42.0 29.4 54.6

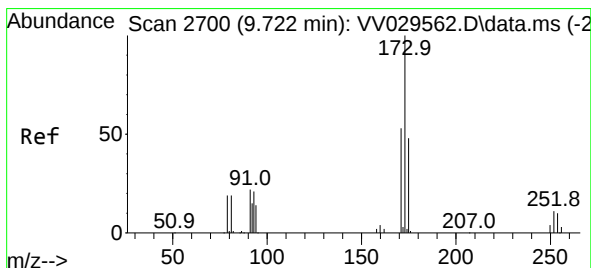
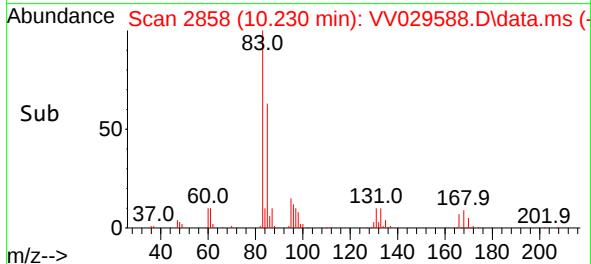
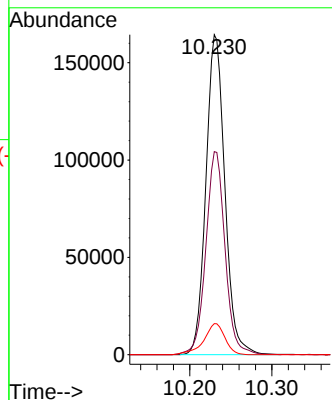
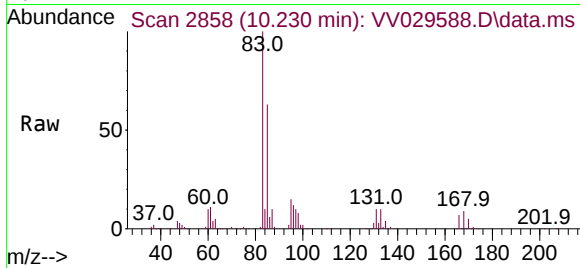




#57
1,1,2,2-Tetrachloroethane
Concen: 53.216 ug/L
RT: 10.230 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

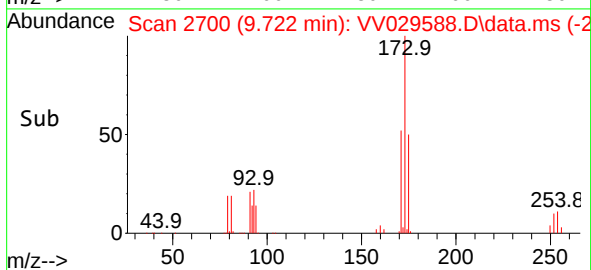
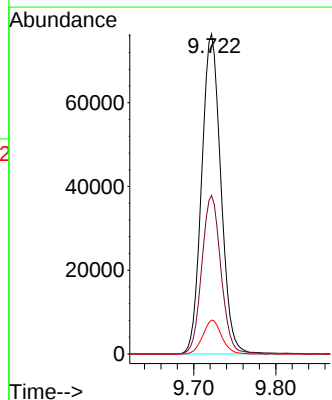
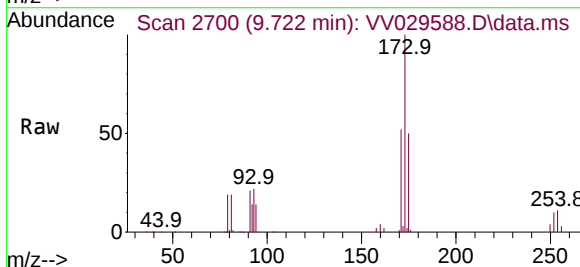
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

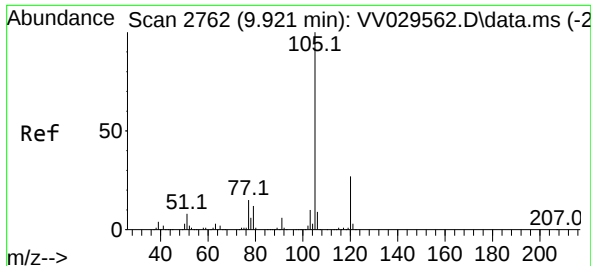
Tgt Ion: 83 Resp: 263397
Ion Ratio Lower Upper
83 100
85 63.4 45.7 84.9
131 9.7 7.9 11.9



#59
Bromoform
Concen: 47.331 ug/L
RT: 9.722 min Scan# 2700
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

Tgt Ion: 173 Resp: 124401
Ion Ratio Lower Upper
173 100
175 49.2 38.4 57.6
254 10.4 7.8 11.8

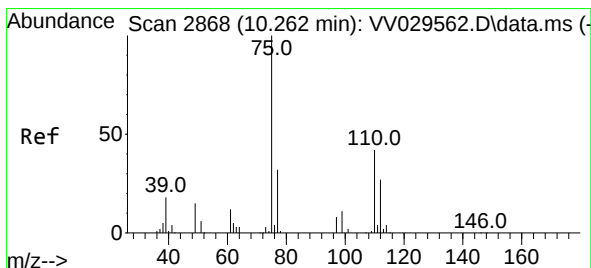
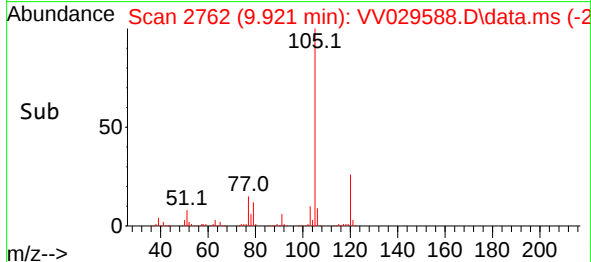
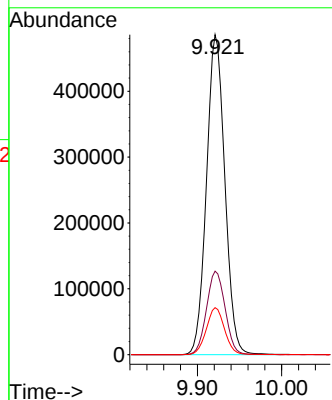
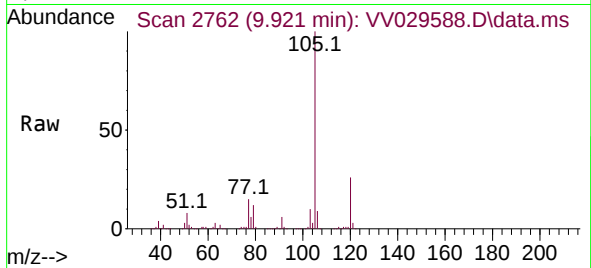




#60
Isopropylbenzene
Concen: 52.786 ug/L
RT: 9.921 min Scan# 2762
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

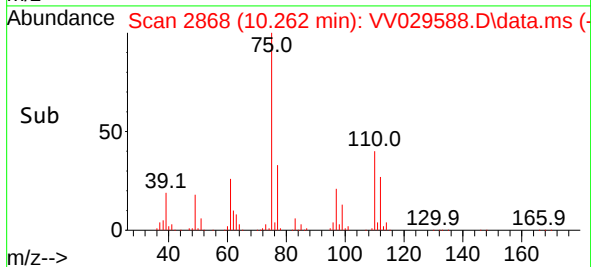
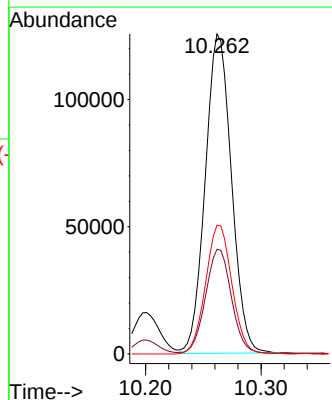
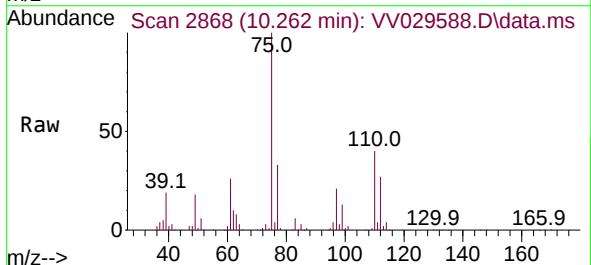
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

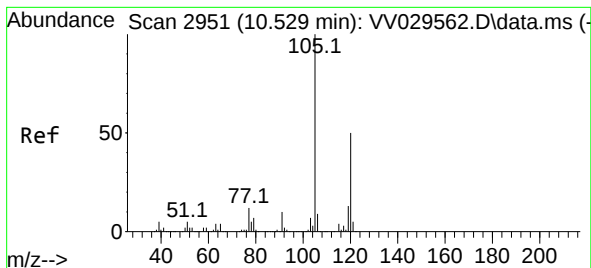
Tgt Ion:105 Resp: 737384
Ion Ratio Lower Upper
105 100
120 26.5 21.1 31.7
77 14.6 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 53.920 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

Tgt Ion: 75 Resp: 198028
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.2
110 40.6 32.7 49.1





#62

1,3,5-Trimethylbenzene

Concen: 49.943 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VV029588.D

Acq: 10 Dec 2022 17:59

Instrument :

MSVOA_V

ClientSampleId :

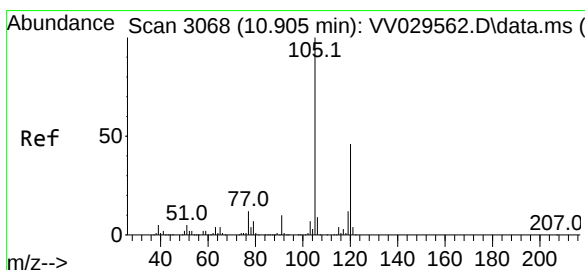
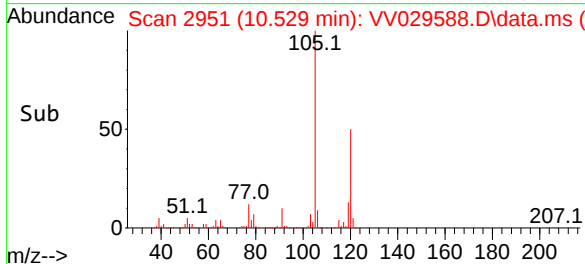
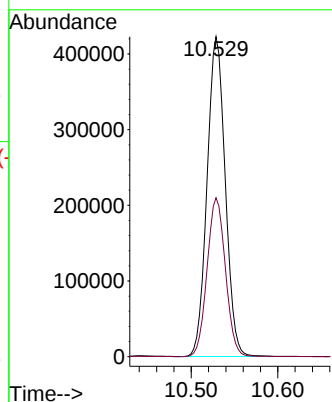
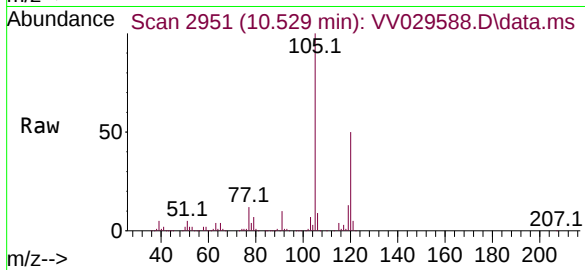
VSTD050382

Tgt Ion:105 Resp: 616860

Ion Ratio Lower Upper

105 100

120 50.2 40.0 60.0



#63

1,2,4-Trimethylbenzene

Concen: 50.240 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.000 min

Lab File: VV029588.D

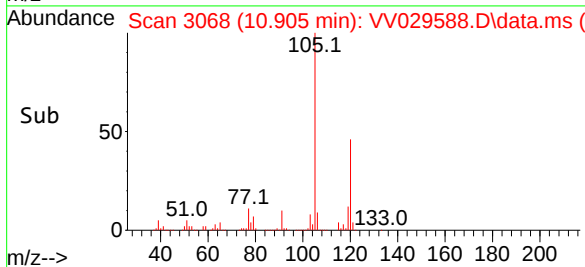
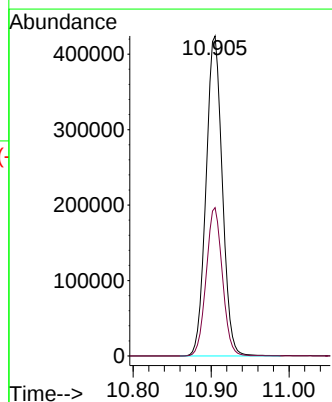
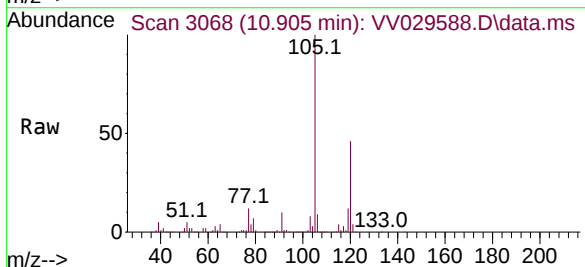
Acq: 10 Dec 2022 17:59

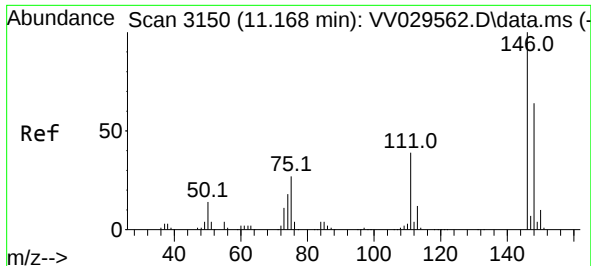
Tgt Ion:105 Resp: 615110

Ion Ratio Lower Upper

105 100

120 46.2 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 49.741 ug/L

RT: 11.169 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VV029588.D

Acq: 10 Dec 2022 17:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD050382

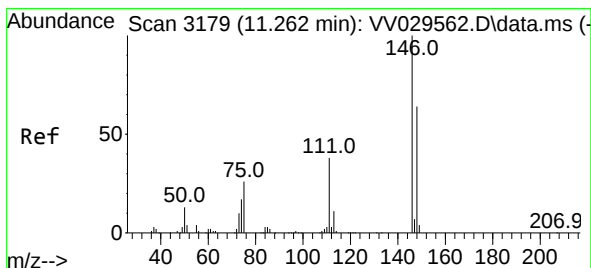
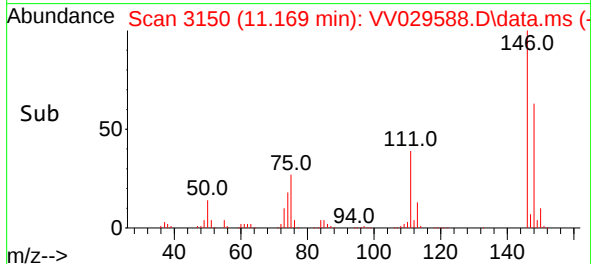
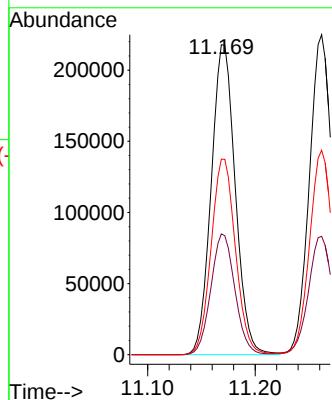
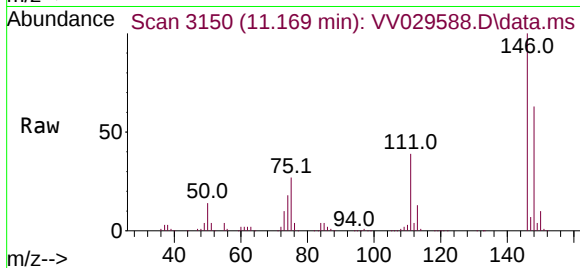
Tgt Ion:146 Resp: 339746

Ion Ratio Lower Upper

146 100

111 39.0 27.4 51.0

148 63.1 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 49.648 ug/L

RT: 11.262 min Scan# 3179

Delta R.T. 0.000 min

Lab File: VV029588.D

Acq: 10 Dec 2022 17:59

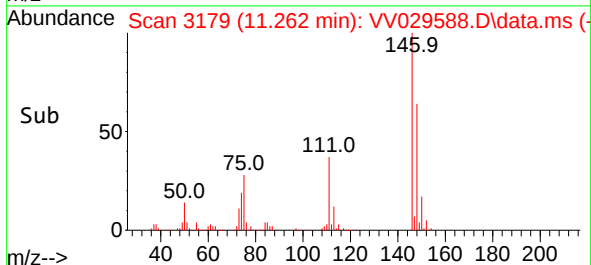
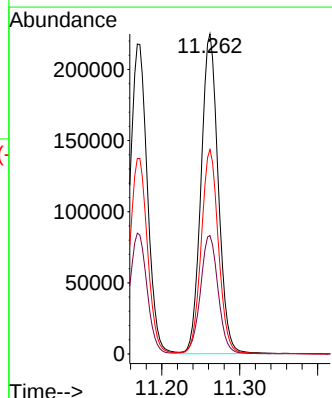
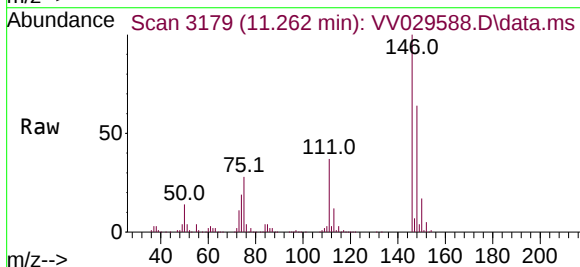
Tgt Ion:146 Resp: 344636

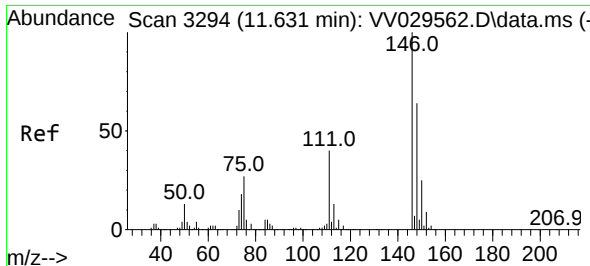
Ion Ratio Lower Upper

146 100

111 37.0 26.2 48.8

148 63.9 44.7 83.1

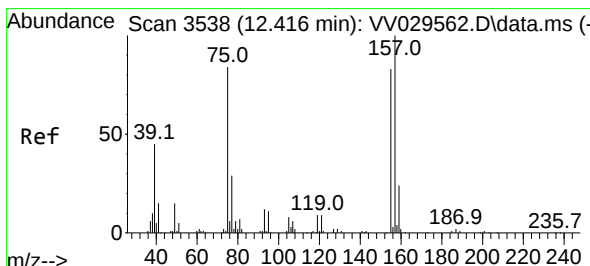
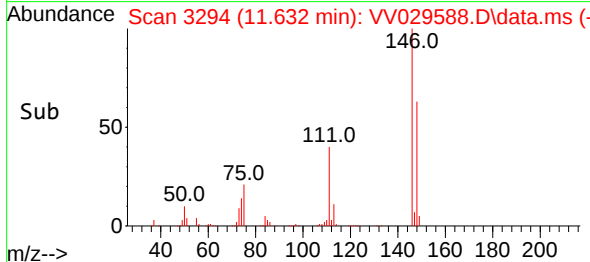
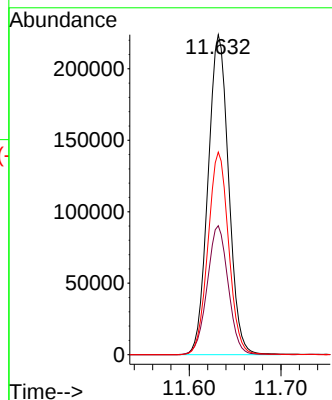
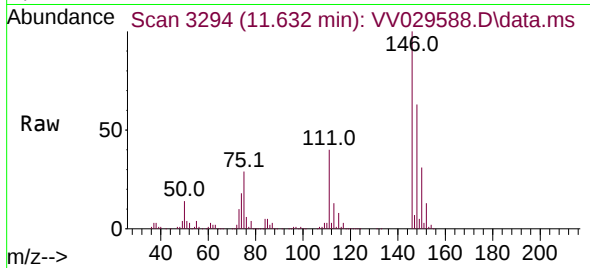




#67
1,2-Dichlorobenzene
Concen: 50.007 ug/L
RT: 11.632 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

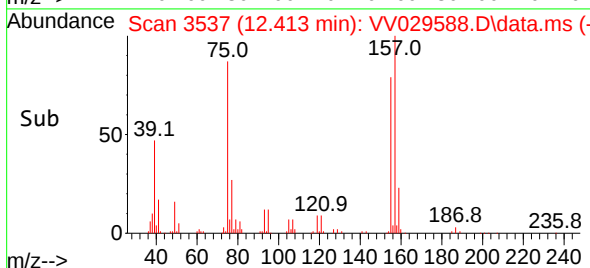
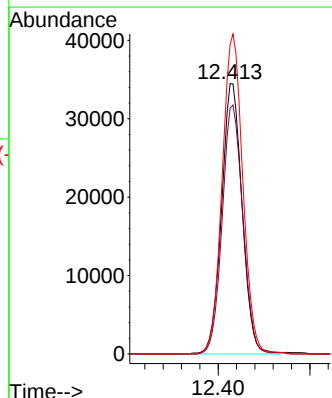
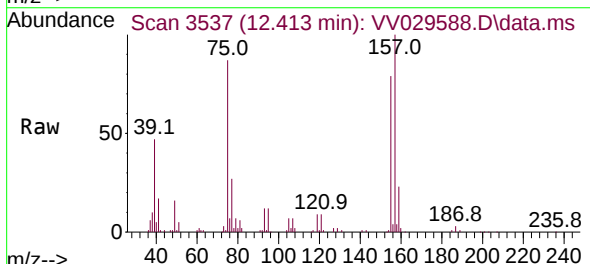
Instrument :
MSVOA_V
ClientSampleId :
VSTD050382

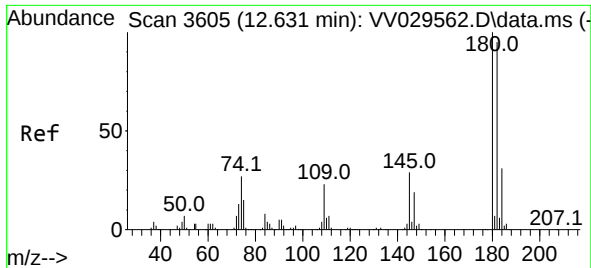
Tgt Ion:146 Resp: 349272
Ion Ratio Lower Upper
146 100
111 40.3 32.0 48.0
148 63.3 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 46.993 ug/L
RT: 12.413 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VV029588.D
Acq: 10 Dec 2022 17:59

Tgt Ion: 75 Resp: 53641
Ion Ratio Lower Upper
75 100
155 91.0 76.2 114.2
157 114.6 96.0 144.0



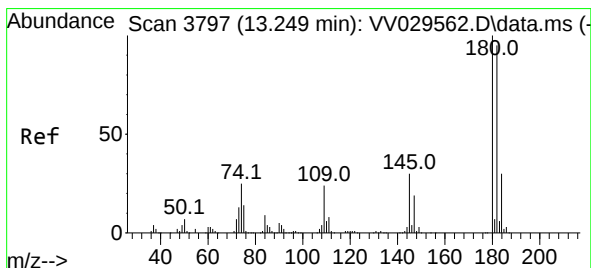
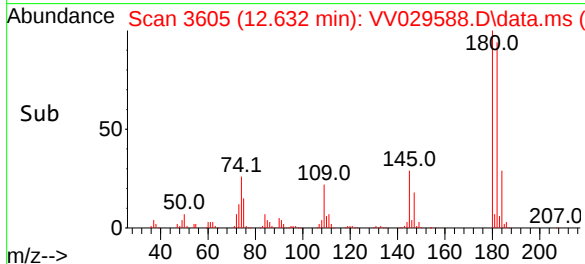
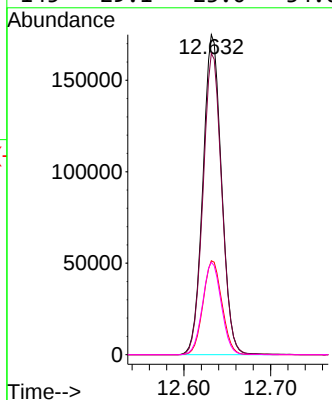
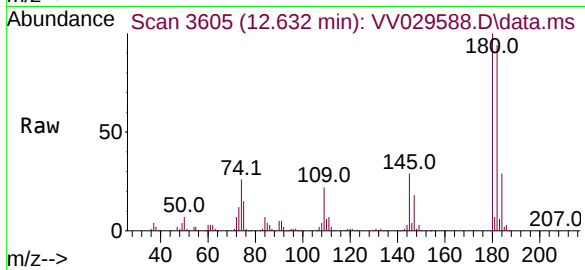


#69
 1,3,5-Trichlorobenzene
 Concen: 48.007 ug/L
 RT: 12.632 min Scan# 3605
 Delta R.T. 0.000 min
 Lab File: VV029588.D
 Acq: 10 Dec 2022 17:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050382

Tgt Ion:180 Resp: 260947

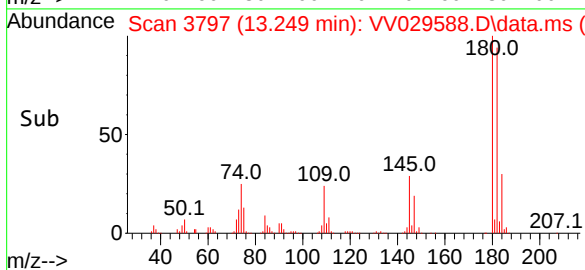
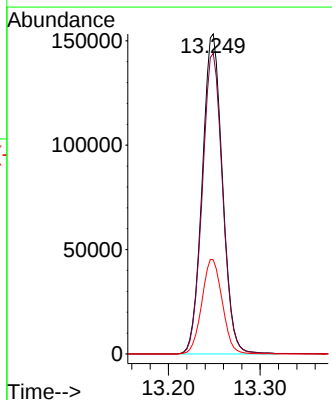
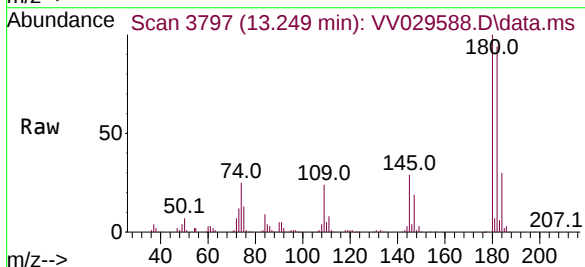
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.5	114.7
184	29.7	24.6	36.8
145	29.1	23.0	34.6

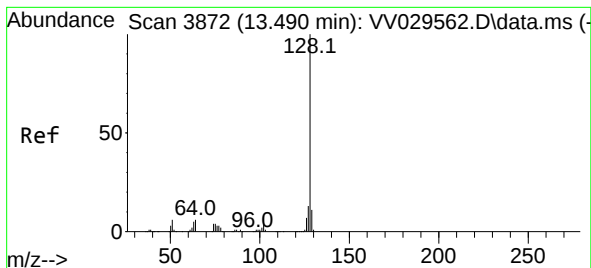


#70
 1,2,4-trichlorobenzene
 Concen: 48.528 ug/L
 RT: 13.249 min Scan# 3797
 Delta R.T. 0.000 min
 Lab File: VV029588.D
 Acq: 10 Dec 2022 17:59

Tgt Ion:180 Resp: 234563

Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.3	114.5
145	29.8	23.7	35.5





#71

Naphthalene

Concen: 53.644 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. 0.000 min

Lab File: VV029588.D

Acq: 10 Dec 2022 17:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD050382

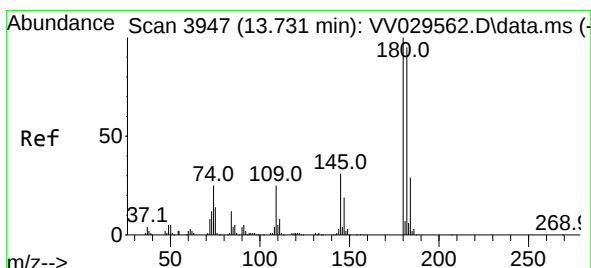
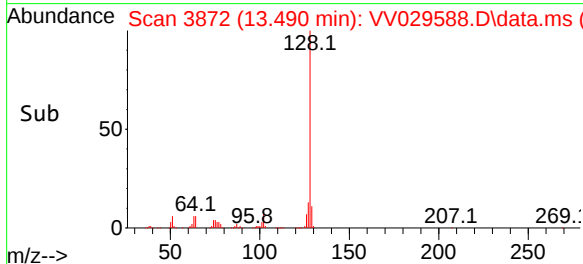
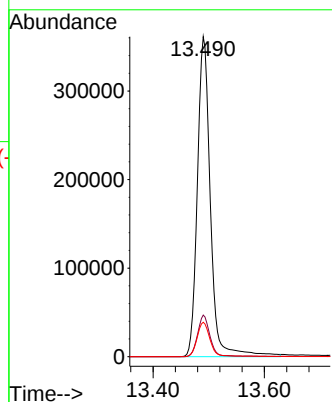
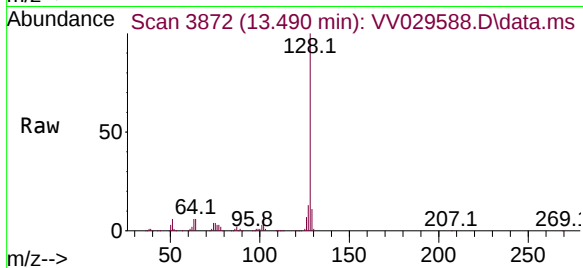
Tgt Ion:128 Resp: 588144

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.4

129 10.5 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 50.892 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. 0.000 min

Lab File: VV029588.D

Acq: 10 Dec 2022 17:59

Tgt Ion:180 Resp: 240937

Ion Ratio Lower Upper

180 100

182 94.9 76.4 114.6

145 31.0 25.0 37.6

