

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101722\
 Data File : VW028575.D
 Acq On : 17 Oct 2022 09:33
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005325

Quant Time: Oct 18 01:12:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 15 02:57:21 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	318785	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	304863	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	148230	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	132803	4.841	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	96.800%	
7) Chloroethane-d5	1.564	69	115020	5.100	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	102.000%	
11) 1,1-Dichloroethene-d2	2.105	63	245422	4.939	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	98.800%	
20) 2-Butanone-d5	3.883	46	301089	51.049	ug/L	-0.06
Spiked Amount	50.000	Range 40 - 130	Recovery	=	102.100%	
24) Chloroform-d	4.339	84	215872	5.139	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	102.800%	
26) 1,2-Dichloroethane-d4	5.024	65	104966	4.794	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	95.800%	
32) Benzene-d6	5.043	84	429392	4.362	ug/L	0.01
Spiked Amount	5.000	Range 70 - 125	Recovery	=	87.200%	
36) 1,2-Dichloropropane-d6	6.063	67	141504	4.454	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	89.000%	
41) Toluene-d8	7.307	98	370187	4.747	ug/L	0.01
Spiked Amount	5.000	Range 70 - 130	Recovery	=	95.000%	
43) trans-1,3-Dichloroprop...	7.616	79	50464	4.702	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	94.000%	
46) 2-Hexanone-d5	8.082	63	225109	48.600	ug/L	-0.02
Spiked Amount	50.000	Range 45 - 130	Recovery	=	97.200%	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	90928	4.807	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	96.200%	
66) 1,2-Dichlorobenzene-d4	11.615	152	117652	4.810	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	96.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	99990	5.554	ug/L	100
3) Chloromethane	1.240	50	148488	4.927	ug/L	99
5) Vinyl chloride	1.310	62	150014	5.110	ug/L	99
6) Bromomethane	1.519	94	68132	5.155	ug/L	98
8) Chloroethane	1.584	64	134824	7.082	ug/L	96
9) Trichlorofluoromethane	1.751	101	196335	5.473	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	115056	5.440	ug/L	99
12) 1,1-Dichloroethene	2.114	96	106013	5.348	ug/L	94
13) Acetone	2.182	43	191824	46.316	ug/L	89
14) Carbon disulfide	2.291	76	273295	4.924	ug/L	99
15) Methyl Acetate	2.432	43	45595	4.652	ug/L #	90
16) Methylene chloride	2.503	84	115374	4.126	ug/L	95
17) Methyl tert-butyl Ether	2.764	73	257122	5.107	ug/L	99
18) trans-1,2-Dichloroethene	2.754	96	106647	5.159	ug/L	97
19) 1,1-Dichloroethane	3.182	63	236553	5.085	ug/L	99
21) 2-Butanone	3.969	43	287140	48.404	ug/L	100
22) cis-1,2-Dichloroethene	3.902	96	121339	5.192	ug/L #	94
23) Bromochloromethane	4.239	128	46319	5.169	ug/L	92
25) Chloroform	4.365	83	227900	5.169	ug/L	99

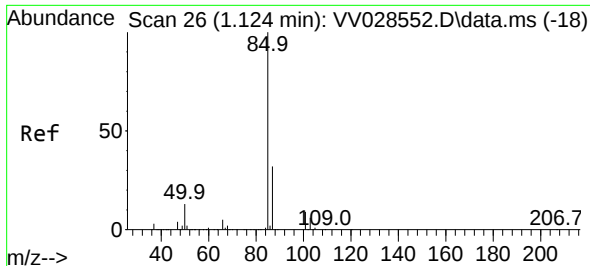
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Instrument :
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 ClientSampleId :
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Quant Time: Oct 18 01:12:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 15 02:57:21 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	129924	4.950	ug/L	98
29) 1,1,1-Trichloroethane	4.600	97	187102	4.440	ug/L	97
30) Cyclohexane	4.670	56	203328	4.179	ug/L	95
31) Carbon tetrachloride	4.818	117	151079	4.560	ug/L	100
33) Benzene	5.092	78	488838	4.538	ug/L	100
34) Trichloroethene	5.905	95	119816	4.657	ug/L	97
35) Methylcyclohexane	6.124	83	199549	4.658	ug/L	99
37) 1,2-Dichloropropane	6.165	63	129005	4.706	ug/L	99
38) Bromodichloromethane	6.503	83	150758	4.822	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	177548	4.861	ug/L	99
40) 4-Methyl-2-pentanone	7.220	43	734233	49.182	ug/L	100
42) Toluene	7.381	91	505605	5.002	ug/L	99
44) trans-1,3-Dichloropropene	7.644	75	143802	5.135	ug/L	99
45) 1,1,2-Trichloroethane	7.831	97	75559	4.958	ug/L	99
47) Tetrachloroethene	7.966	164	83658	4.996	ug/L	96
48) 2-Hexanone	8.133	43	510376	49.425	ug/L	98
49) Dibromochloromethane	8.239	129	85623	5.268	ug/L	100
50) 1,2-Dibromoethane	8.345	107	67822	5.054	ug/L	98
51) Chlorobenzene	8.873	112	310936	4.962	ug/L	100
52) Ethylbenzene	9.005	91	561269	4.999	ug/L	98
53) m,p-Xylene	9.130	106	205177	4.886	ug/L	98
54) o-Xylene	9.535	106	200540	4.927	ug/L	94
55) Styrene	9.551	104	344352	5.001	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.233	83	90790	4.848	ug/L	99
59) Bromoform	9.722	173	41083	5.504	ug/L	97
60) Isopropylbenzene	9.921	105	557195	5.150	ug/L	99
61) 1,2,3-Trichloropropane	10.265	75	66006	4.984	ug/L	99
62) 1,3,5-Trimethylbenzene	10.532	105	159980	4.915	ug/L	98
63) 1,2,4-Trimethylbenzene	10.905	105	444240	4.991	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	229686	5.032	ug/L	99
65) 1,4-Dichlorobenzene	11.262	146	227618	5.088	ug/L	97
67) 1,2-Dichlorobenzene	11.635	146	203214	4.963	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.419	75	13179	4.793	ug/L	91
69) 1,3,5-Trichlorobenzene	12.635	180	172122	5.155	ug/L	99
70) 1,2,4-trichlorobenzene	13.252	180	128759	5.063	ug/L	97
71) Naphthalene	13.493	128	173167	4.544	ug/L	99
72) 1,2,3-Trichlorobenzene	13.734	180	104534	4.988	ug/L	100

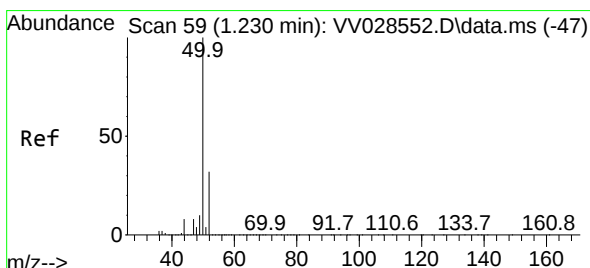
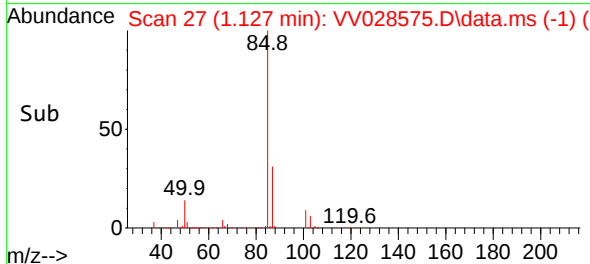
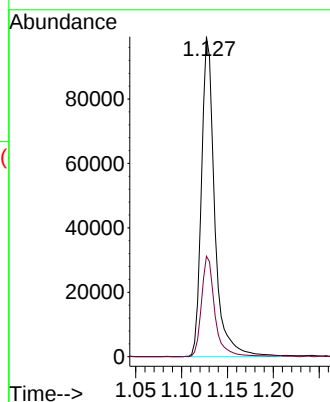
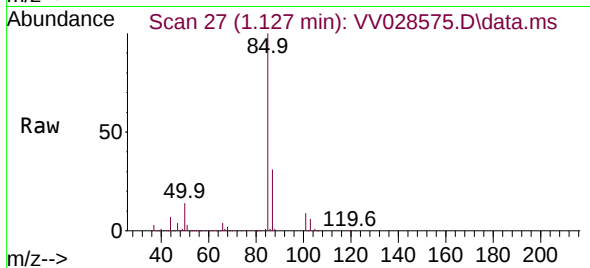
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#2
Dichlorodifluoromethane
Concen: 5.554 ug/L
RT: 1.127 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

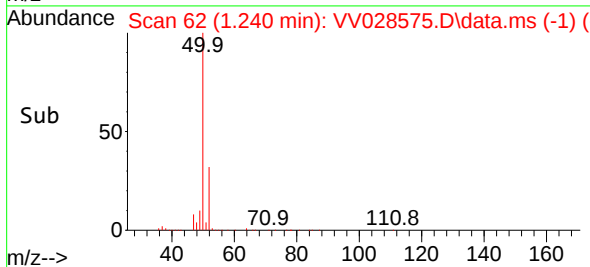
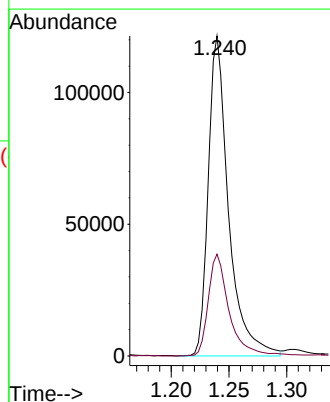
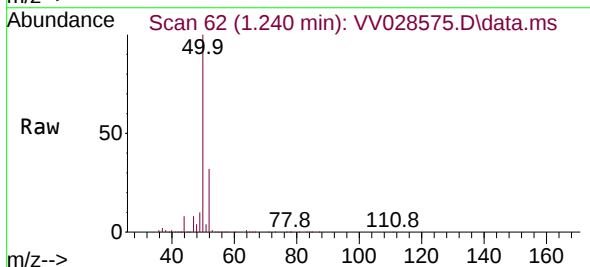
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MSVOA_V
ClientSampleId :
VSTD005325

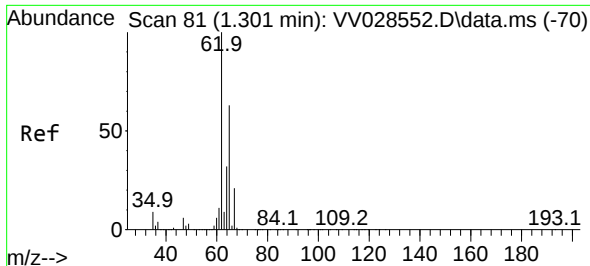
Tgt Ion: 85 Resp: 99990
Ion Ratio Lower Upper
85 100
87 31.7 25.4 38.2



#3
Chloromethane
Concen: 4.927 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.010 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

Tgt Ion: 50 Resp: 148488
Ion Ratio Lower Upper
50 100
52 31.8 22.0 41.0

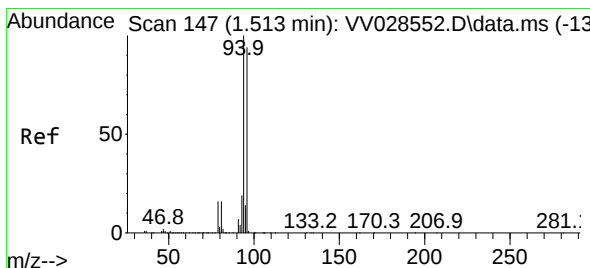
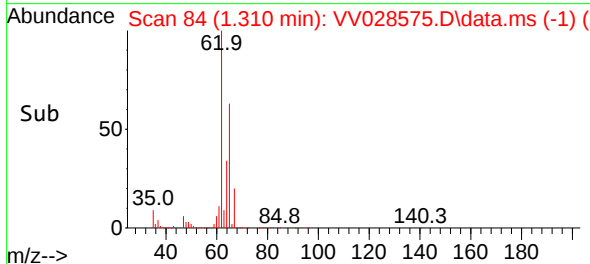
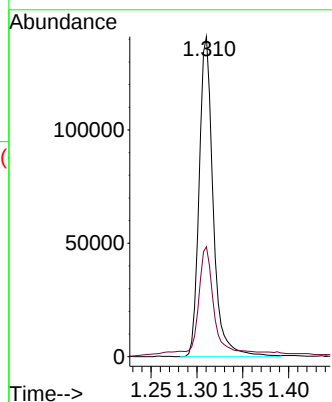
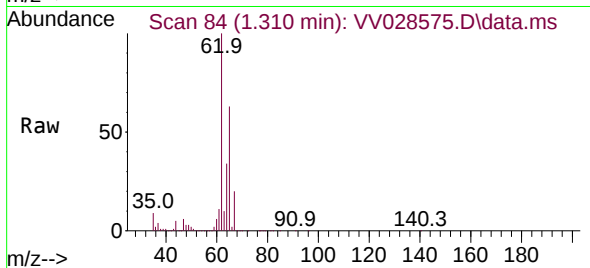




#5
 Vinyl chloride
 Concen: 5.110 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.010 min
 Lab File: VV028575.D
 Acq: 17 Oct 2022 09:33

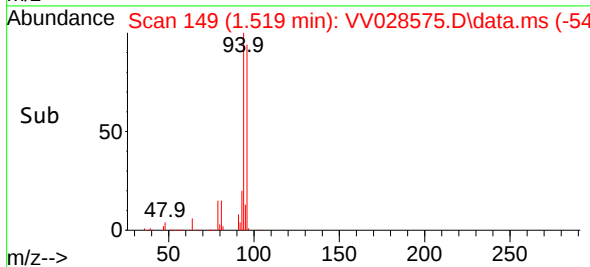
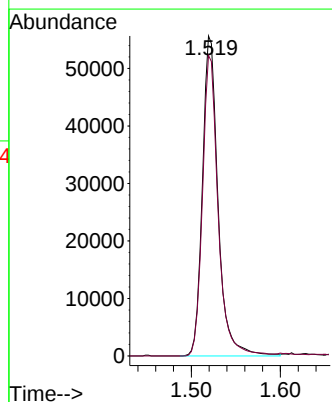
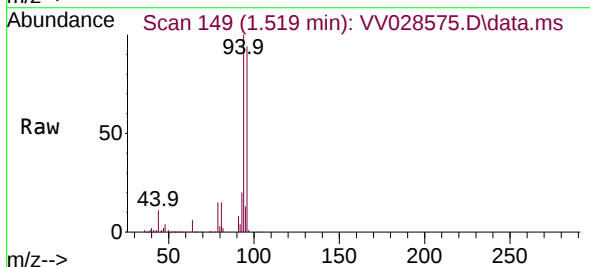
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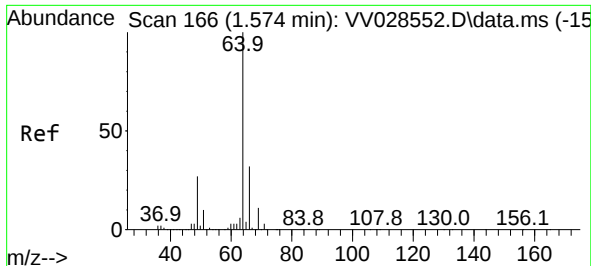
Tgt Ion: 62 Resp: 150014
 Ion Ratio Lower Upper
 62 100
 64 34.3 23.7 44.1



#6
 Bromomethane
 Concen: 5.155 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.006 min
 Lab File: VV028575.D
 Acq: 17 Oct 2022 09:33

Tgt Ion: 94 Resp: 68132
 Ion Ratio Lower Upper
 94 100
 96 93.9 67.0 124.4

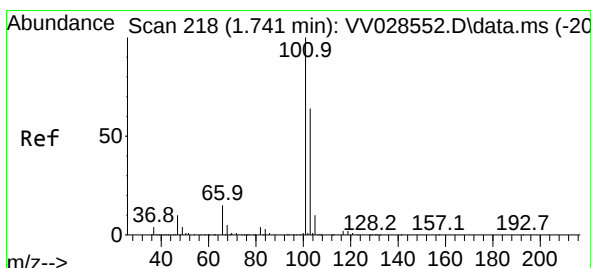
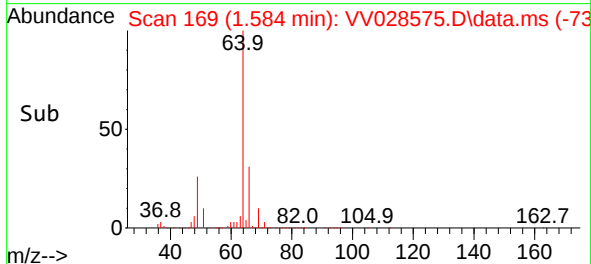
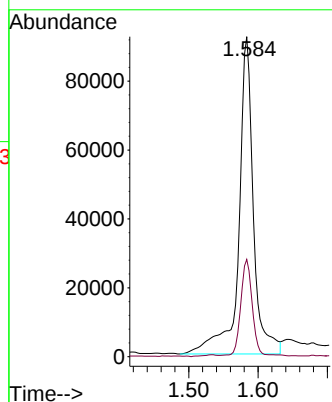
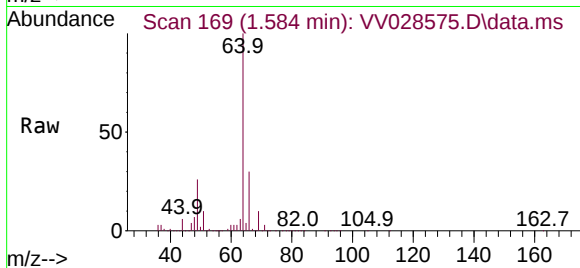




#8
Chloroethane
Concen: 7.082 ug/L
RT: 1.584 min Scan# 1
Delta R.T. 0.010 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

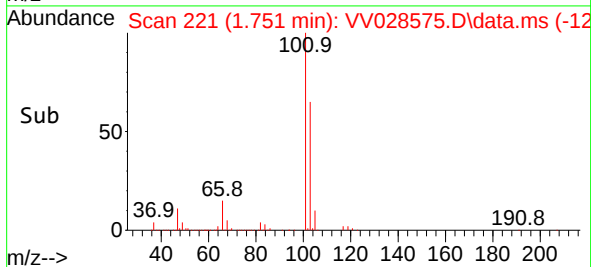
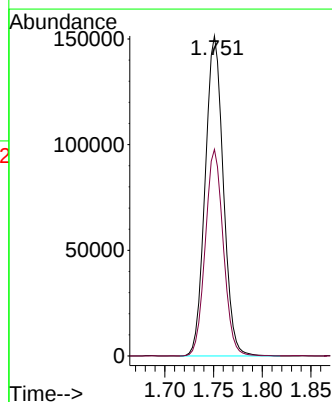
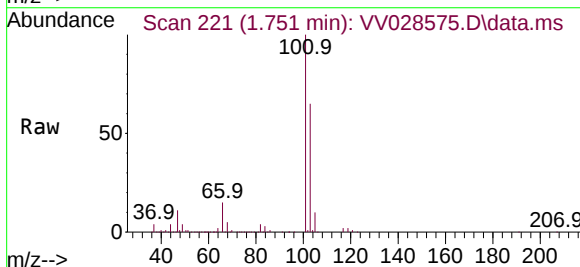
Instrument :
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ClientSampleId :
VSTD005325

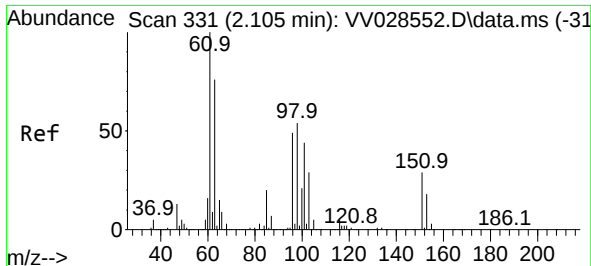
Tgt Ion: 64 Resp: 134824
Ion Ratio Lower Upper
64 100
66 30.4 23.0 42.8



#9
Trichlorofluoromethane
Concen: 5.473 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.010 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

Tgt Ion:101 Resp: 196335
Ion Ratio Lower Upper
101 100
103 64.0 51.6 77.4

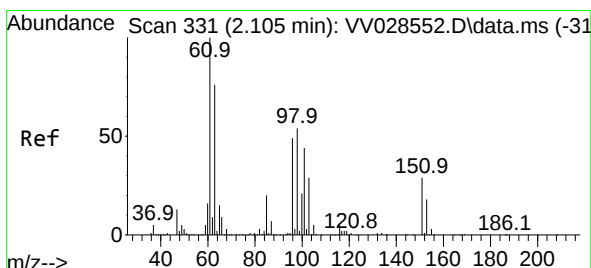
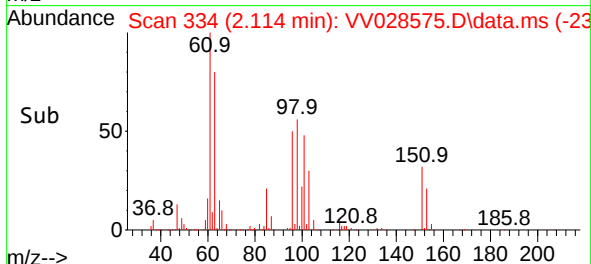
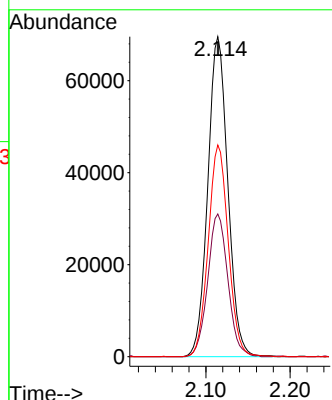
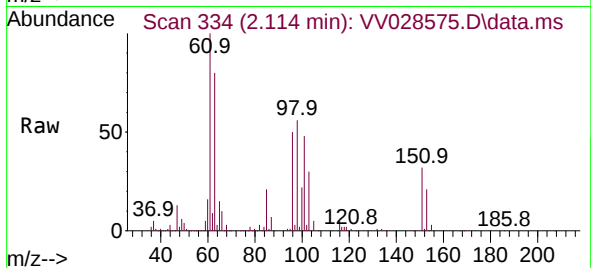




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.440 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.010 min
 Lab File: VV028575.D
 Acq: 17 Oct 2022 09:33

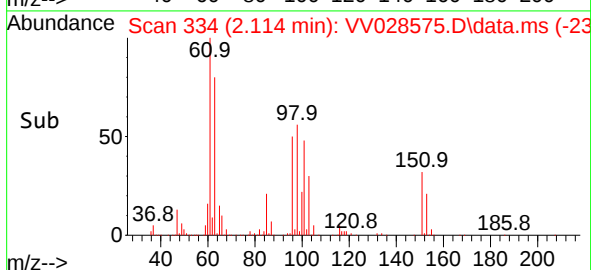
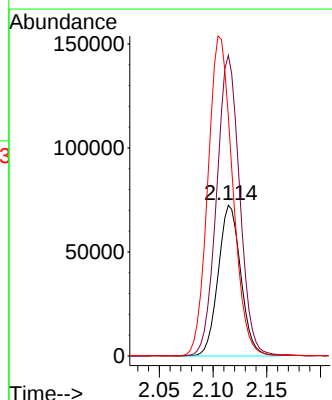
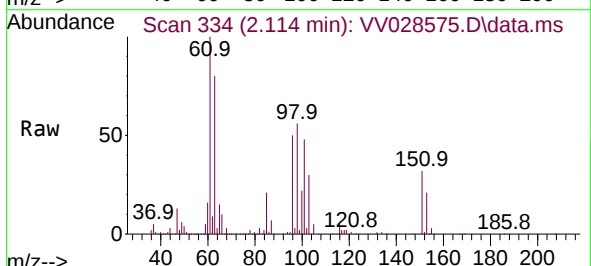
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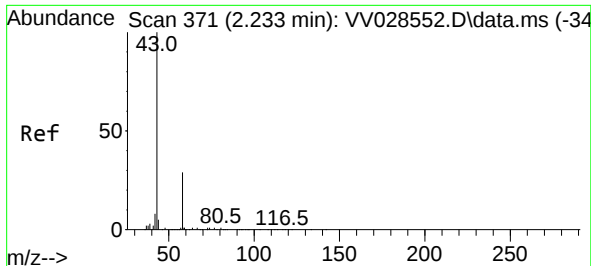
Tgt Ion:101 Resp: 115056
 Ion Ratio Lower Upper
 101 100
 85 45.0 37.3 55.9
 151 66.0 52.8 79.2



#12
 1,1-Dichloroethene
 Concen: 5.348 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.010 min
 Lab File: VV028575.D
 Acq: 17 Oct 2022 09:33

Tgt Ion: 96 Resp: 106013
 Ion Ratio Lower Upper
 96 100
 61 199.4 142.9 265.5
 63 158.9 102.3 190.1

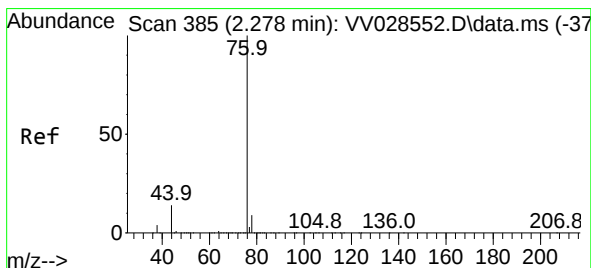
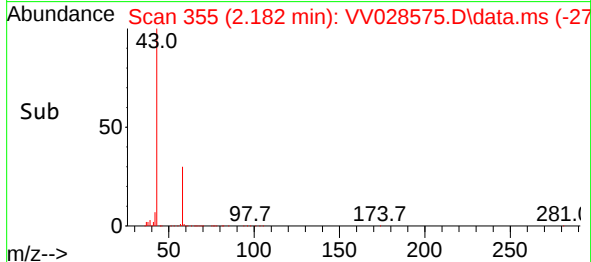
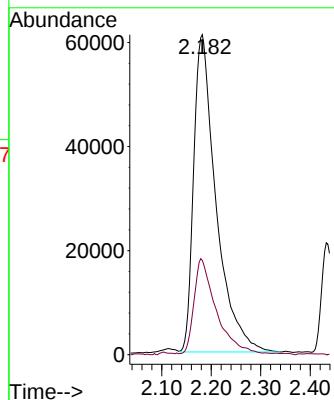
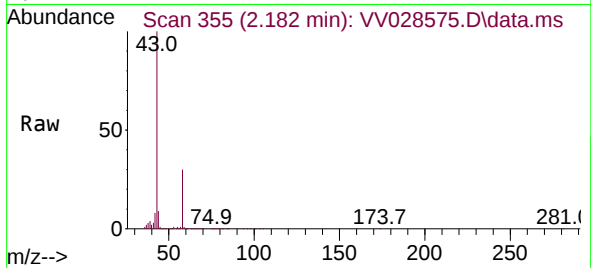




#13
Acetone
Concen: 46.316 ug/L
RT: 2.182 min Scan# 31
Delta R.T. -0.051 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

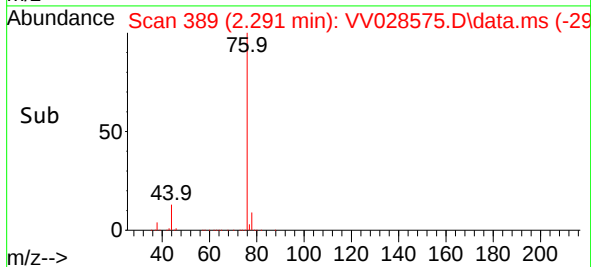
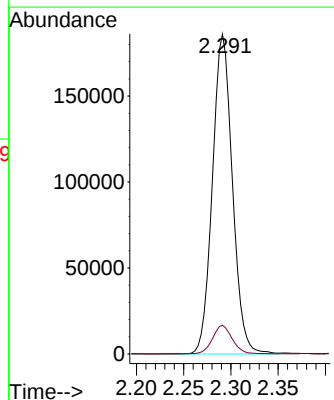
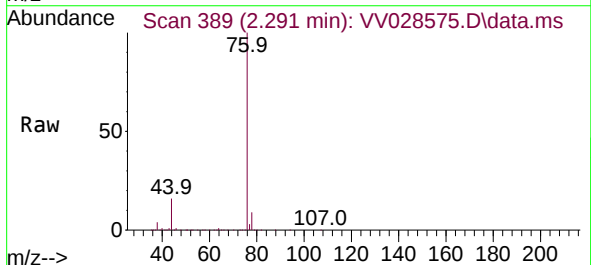
Instrument :
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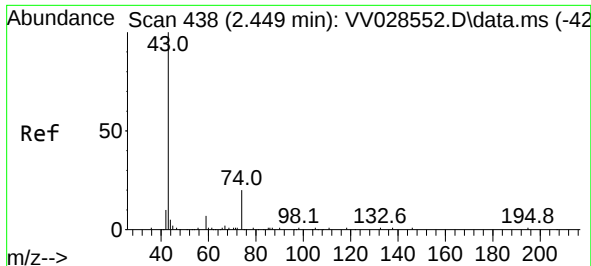
Tgt Ion: 43 Resp: 191824
Ion Ratio Lower Upper
43 100
58 29.5 0.0 48.6



#14
Carbon disulfide
Concen: 4.924 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.013 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

Tgt Ion: 76 Resp: 273295
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0

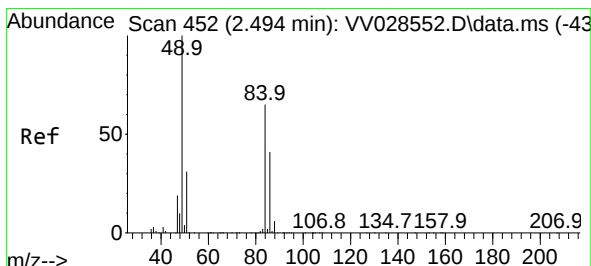
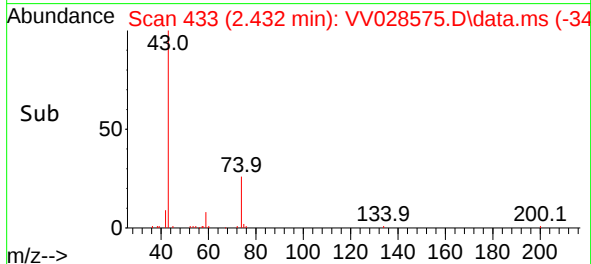
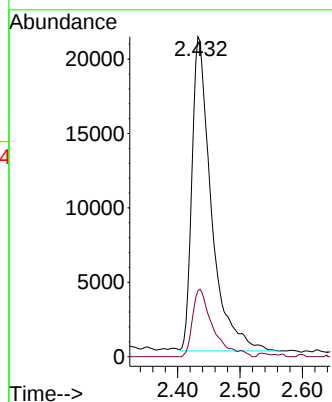
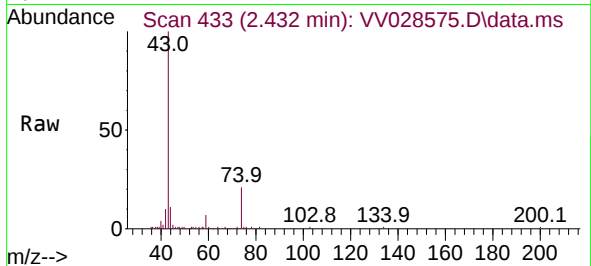




#15
Methyl Acetate
Concen: 4.652 ug/L
RT: 2.432 min Scan# 41
Delta R.T. -0.016 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

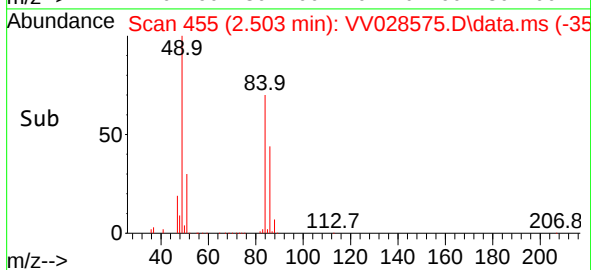
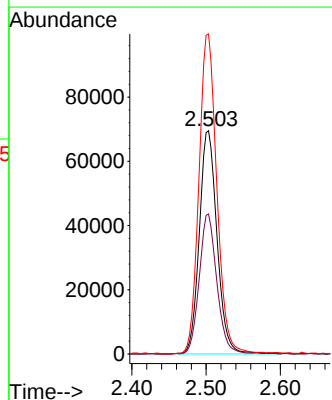
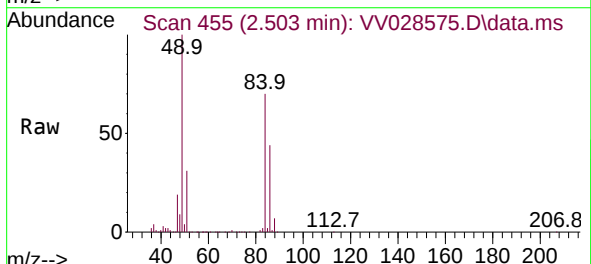
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

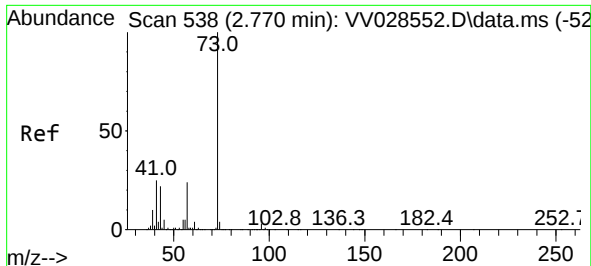
Tgt Ion: 43 Resp: 45595
Ion Ratio Lower Upper
43 100
74 21.7 13.8 20.6#



#16
Methylene chloride
Concen: 4.126 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.010 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

Tgt Ion: 84 Resp: 115374
Ion Ratio Lower Upper
84 100
86 62.8 42.8 79.6
49 143.4 106.4 197.6





#17

Methyl tert-butyl Ether

Concen: 5.107 ug/L

RT: 2.764 min Scan# 51

Delta R.T. -0.006 min

Lab File: VV028575.D

Acq: 17 Oct 2022 09:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005325

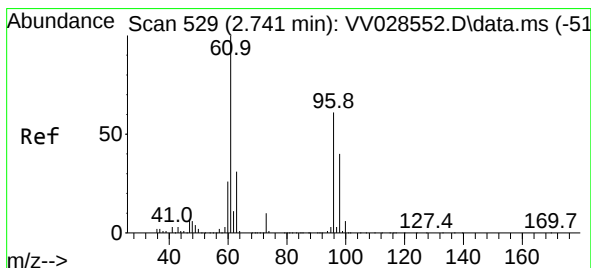
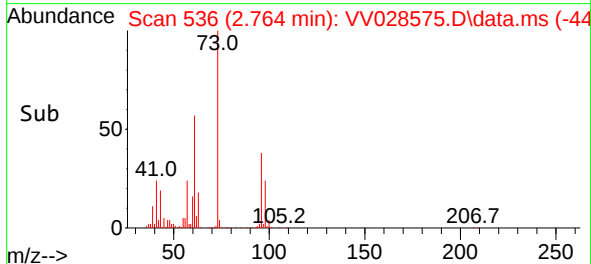
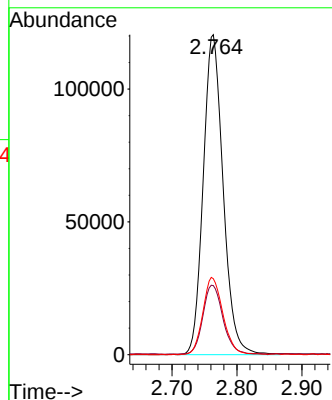
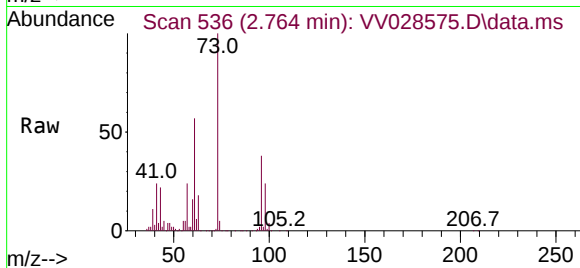
Tgt Ion: 73 Resp: 257122

Ion Ratio Lower Upper

73 100

43 21.6 18.2 27.2

57 24.4 19.5 29.3



#18

trans-1,2-Dichloroethene

Concen: 5.159 ug/L

RT: 2.754 min Scan# 533

Delta R.T. 0.013 min

Lab File: VV028575.D

Acq: 17 Oct 2022 09:33

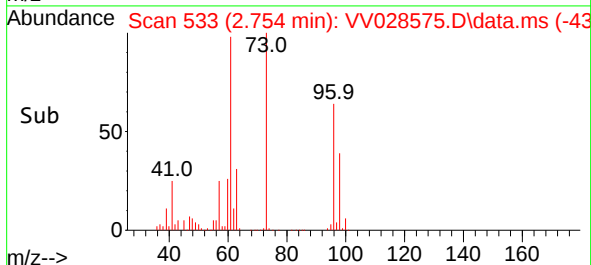
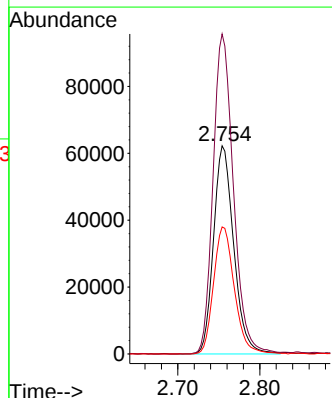
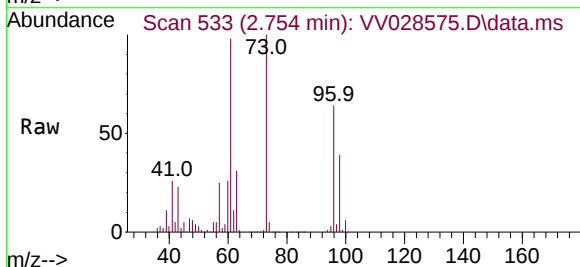
Tgt Ion: 96 Resp: 106647

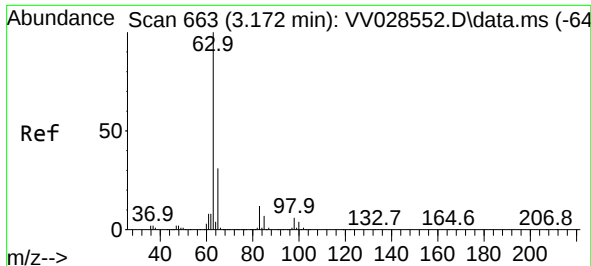
Ion Ratio Lower Upper

96 100

61 153.8 111.2 206.6

98 61.1 42.9 79.7





#19

1,1-Dichloroethane

Concen: 5.085 ug/L

RT: 3.182 min Scan# 6

Delta R.T. 0.010 min

Lab File: VV028575.D

Acq: 17 Oct 2022 09:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005325

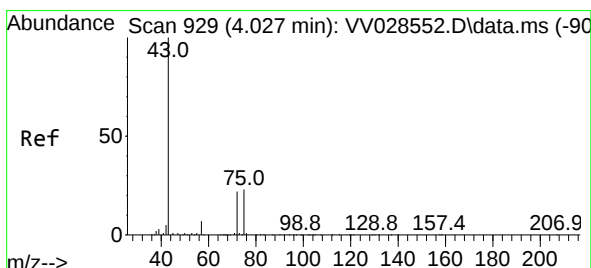
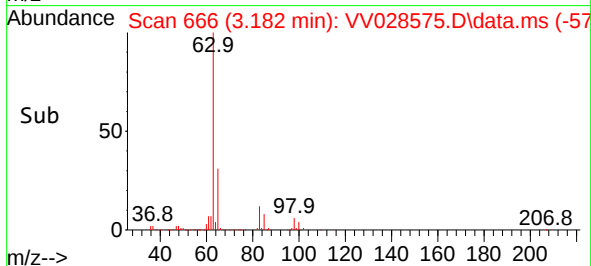
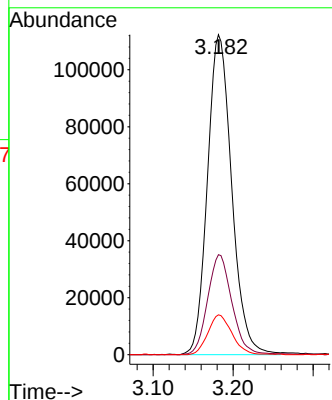
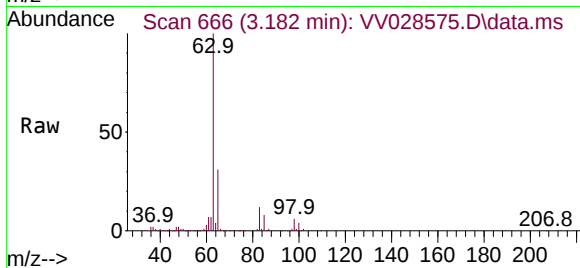
Tgt Ion: 63 Resp: 236553

Ion Ratio Lower Upper

63 100

65 31.3 22.3 41.5

83 12.4 8.5 15.7



#21

2-Butanone

Concen: 48.404 ug/L

RT: 3.969 min Scan# 911

Delta R.T. -0.058 min

Lab File: VV028575.D

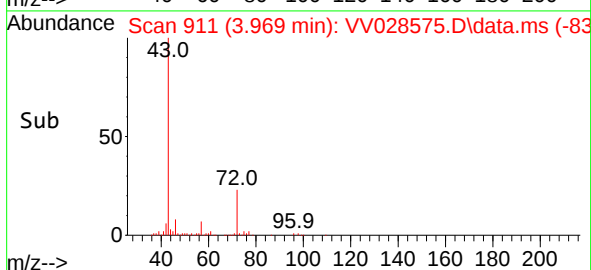
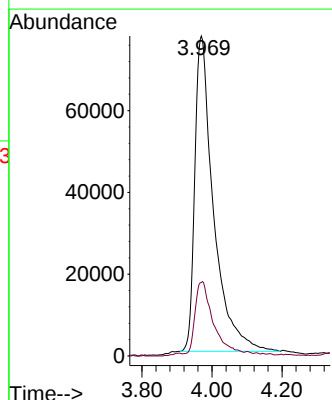
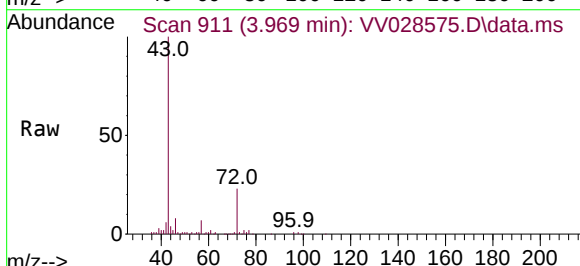
Acq: 17 Oct 2022 09:33

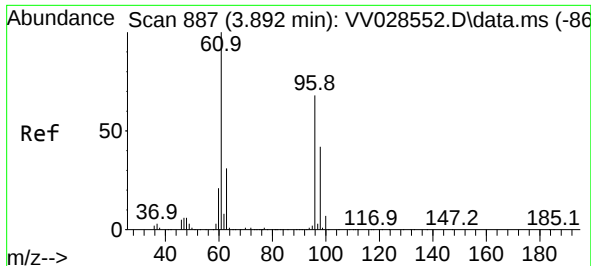
Tgt Ion: 43 Resp: 287140

Ion Ratio Lower Upper

43 100

72 22.1 11.1 33.3

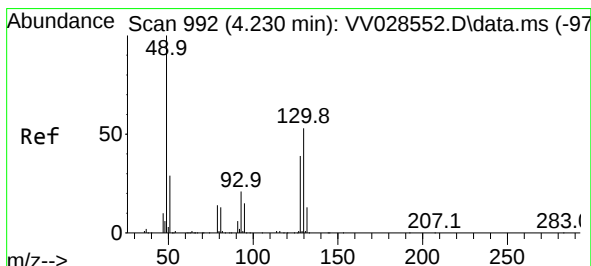
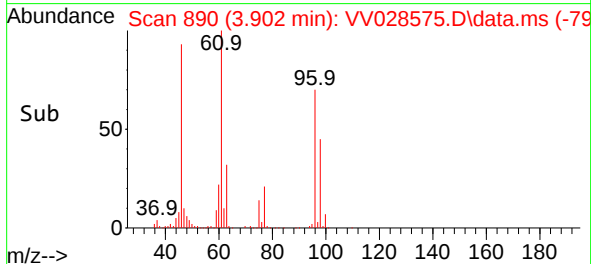
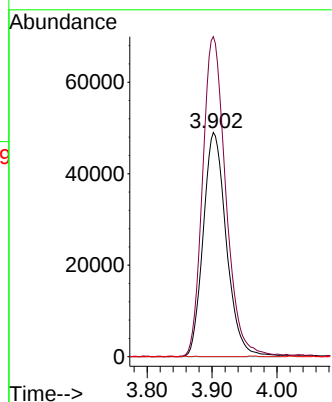
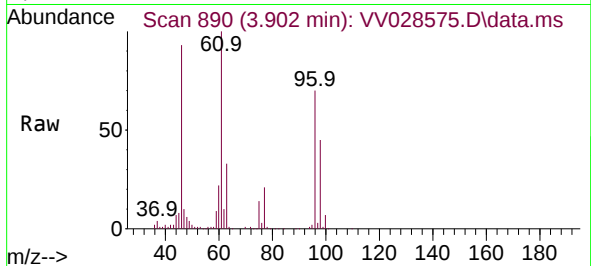




#22
 cis-1,2-Dichloroethene
 Concen: 5.192 ug/L
 RT: 3.902 min Scan# 890
 Delta R.T. 0.010 min
 Lab File: VV028575.D
 Acq: 17 Oct 2022 09:33

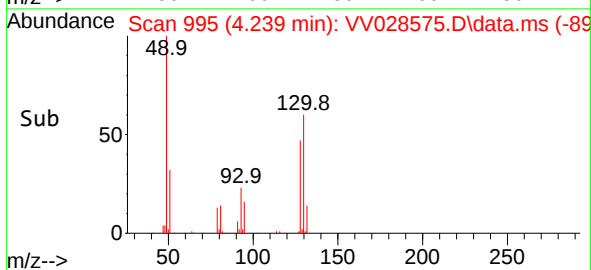
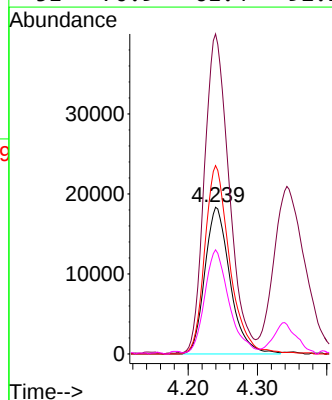
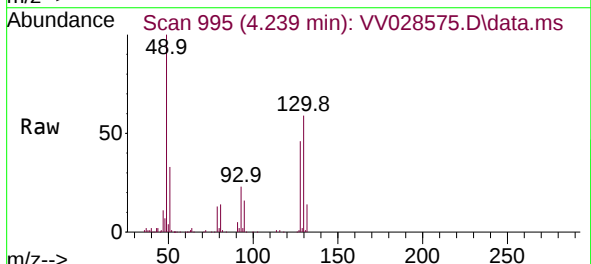
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005325

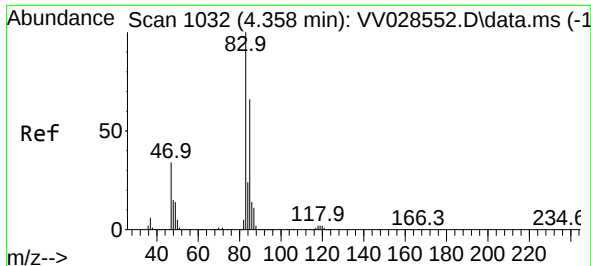
Tgt Ion: 96 Resp: 121339
 Ion Ratio Lower Upper
 96 100
 61 142.8 105.1 195.3
 68 0.0 0.5 0.9#



#23
 Bromochloromethane
 Concen: 5.169 ug/L
 RT: 4.239 min Scan# 995
 Delta R.T. 0.010 min
 Lab File: VV028575.D
 Acq: 17 Oct 2022 09:33

Tgt Ion: 128 Resp: 46319
 Ion Ratio Lower Upper
 128 100
 49 218.0 165.8 308.0
 130 128.3 88.8 165.0
 51 70.9 61.4 92.2





#25

Chloroform

Concen: 5.169 ug/L

RT: 4.365 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV028575.D

Acq: 17 Oct 2022 09:33

Instrument :

MSVOA_V

ClientSampleId :

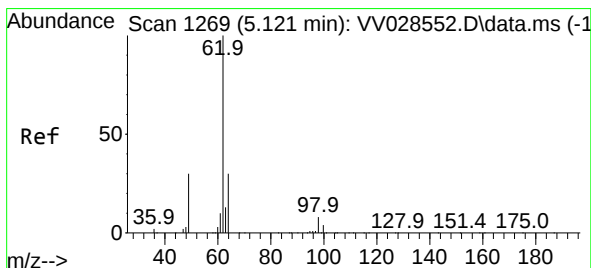
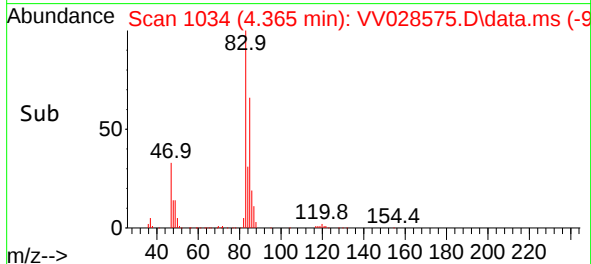
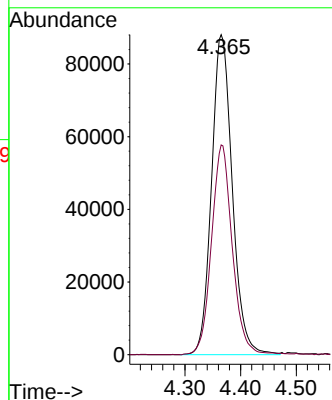
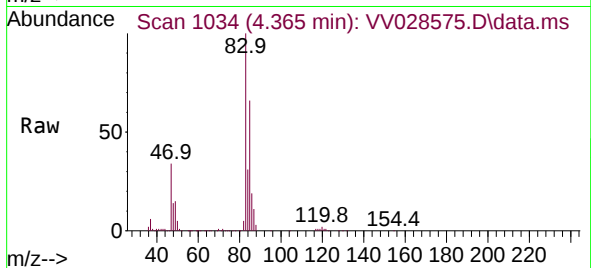
VSTD005325

Tgt Ion: 83 Resp: 227900

Ion Ratio Lower Upper

83 100

85 65.6 45.1 83.9



#27

1,2-Dichloroethane

Concen: 4.950 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. 0.003 min

Lab File: VV028575.D

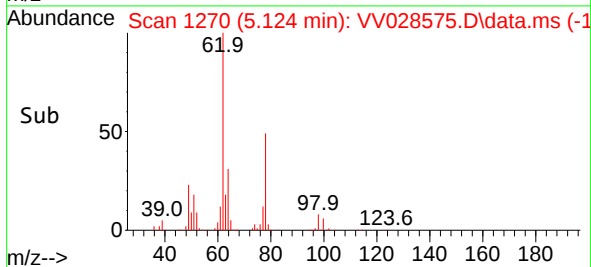
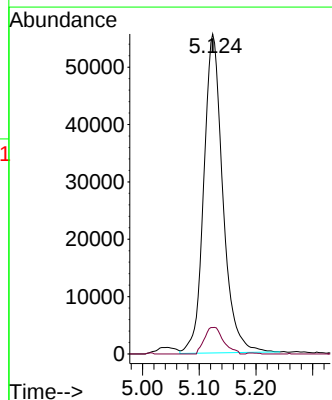
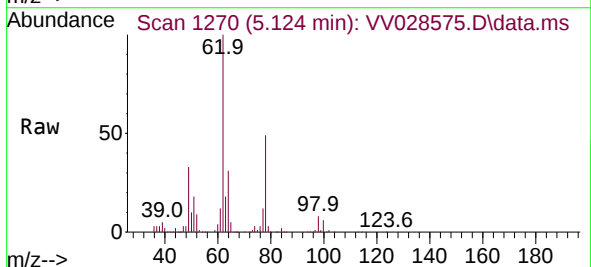
Acq: 17 Oct 2022 09:33

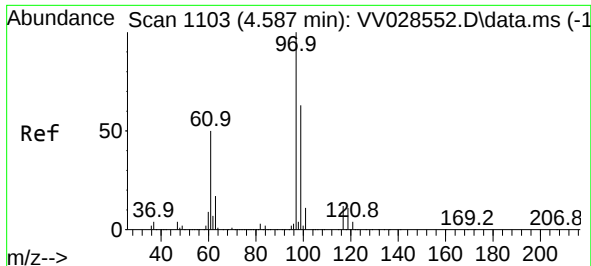
Tgt Ion: 62 Resp: 129924

Ion Ratio Lower Upper

62 100

98 8.2 5.9 8.9





#29

1,1,1-Trichloroethane

Concen: 4.440 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.013 min

Lab File: VV028575.D

Acq: 17 Oct 2022 09:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005325

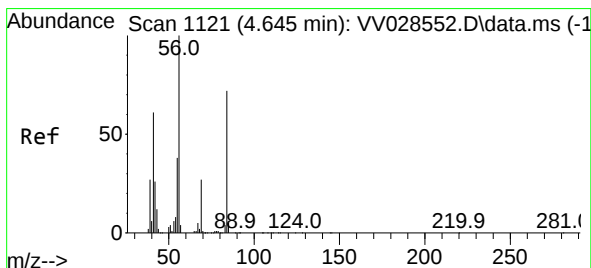
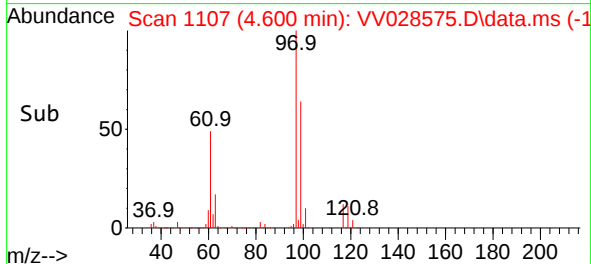
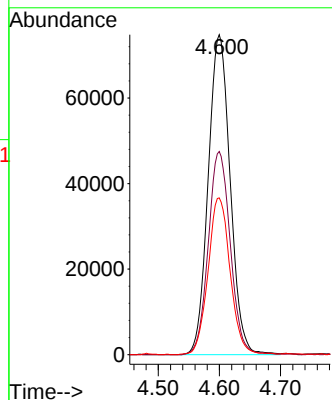
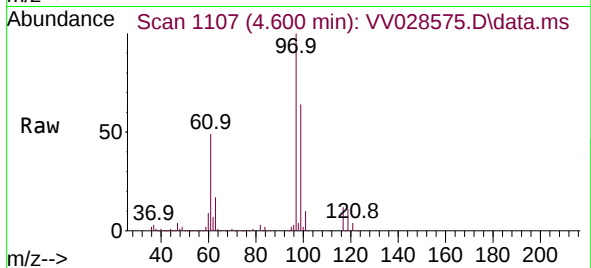
Tgt Ion: 97 Resp: 187102

Ion Ratio Lower Upper

97 100

99 63.6 52.6 78.8

61 49.4 42.1 63.1



#30

Cyclohexane

Concen: 4.179 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. 0.026 min

Lab File: VV028575.D

Acq: 17 Oct 2022 09:33

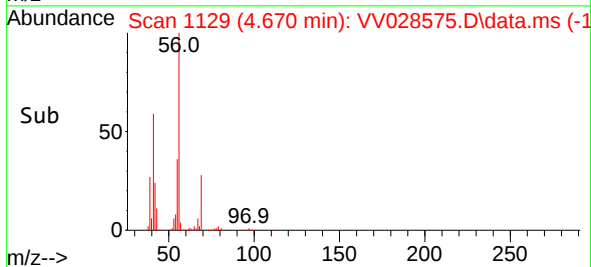
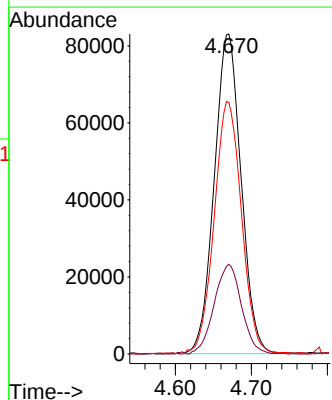
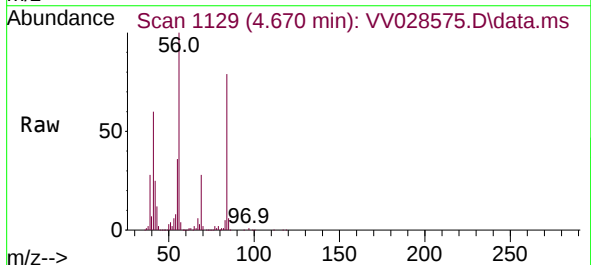
Tgt Ion: 56 Resp: 203328

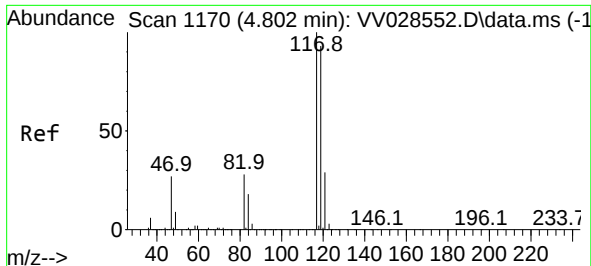
Ion Ratio Lower Upper

56 100

69 28.5 22.4 33.6

84 80.4 60.1 90.1

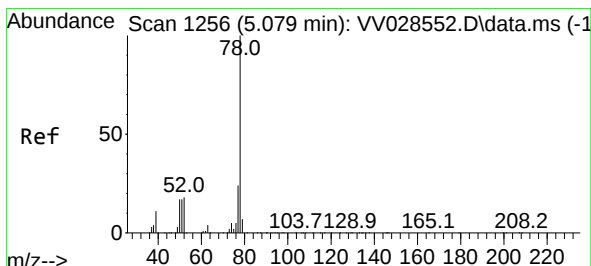
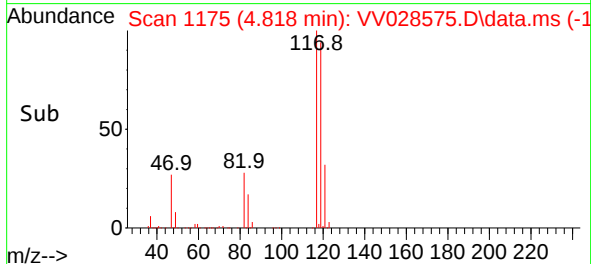
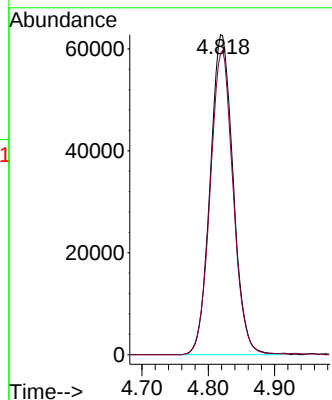
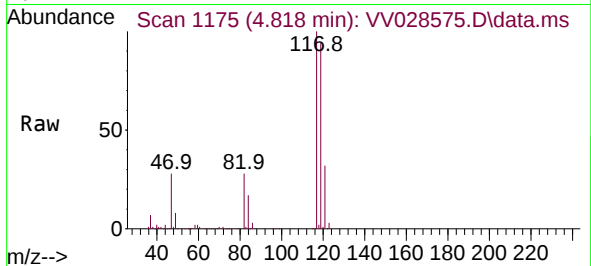




#31
Carbon tetrachloride
Concen: 4.560 ug/L
RT: 4.818 min Scan# 1170
Delta R.T. 0.016 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

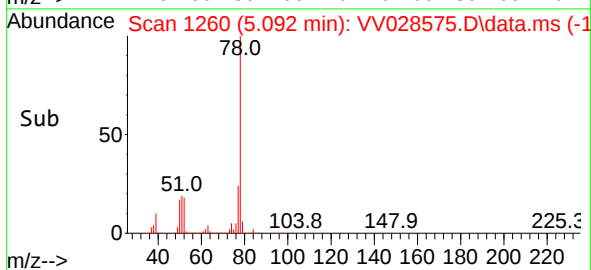
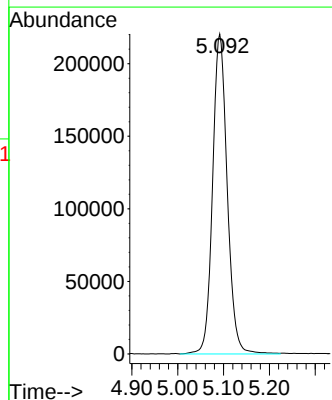
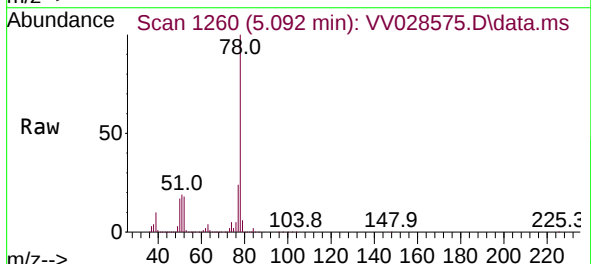
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

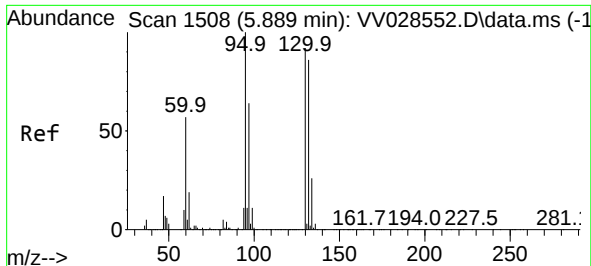
Tgt Ion:117 Resp: 151079
Ion Ratio Lower Upper
117 100
119 94.7 75.5 113.3



#33
Benzene
Concen: 4.538 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.013 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

Tgt Ion: 78 Resp: 488838

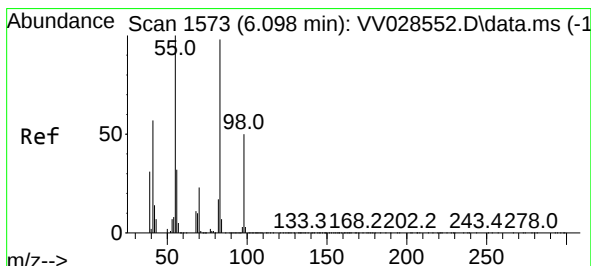
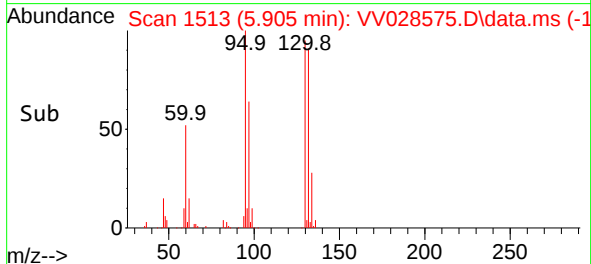
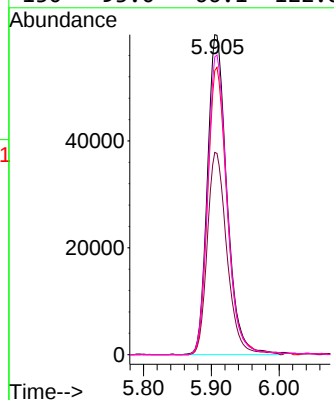
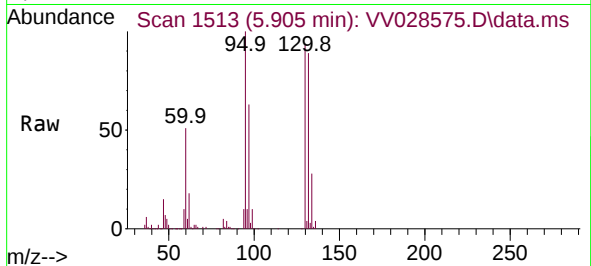




#34
Trichloroethene
Concen: 4.657 ug/L
RT: 5.905 min Scan# 11
Delta R.T. 0.016 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

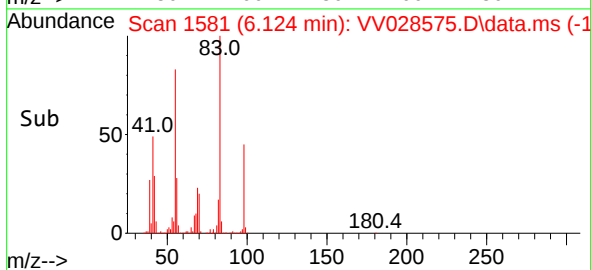
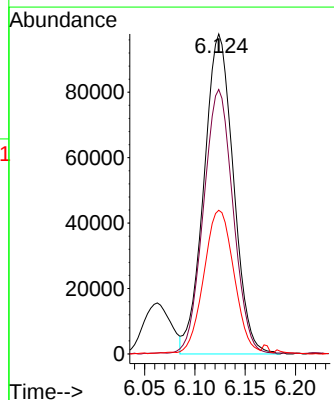
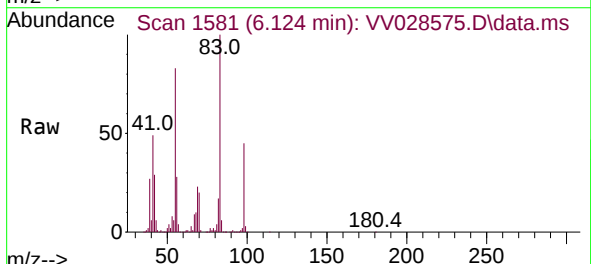
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

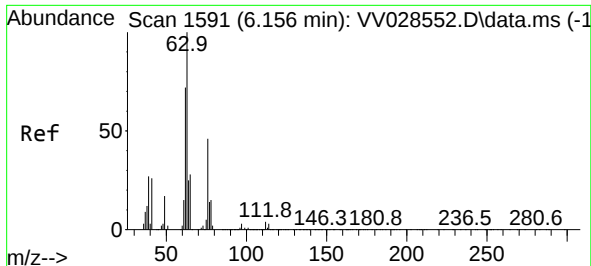
Tgt Ion: 95 Resp: 119816
Ion Ratio Lower Upper
95 100
97 63.2 46.2 85.8
132 88.8 65.1 120.9
130 93.0 66.1 122.8



#35
Methylcyclohexane
Concen: 4.658 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. 0.026 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

Tgt Ion: 83 Resp: 199549
Ion Ratio Lower Upper
83 100
55 82.4 65.0 97.6
98 45.9 36.4 54.6

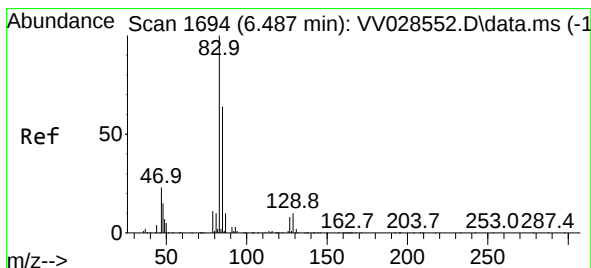
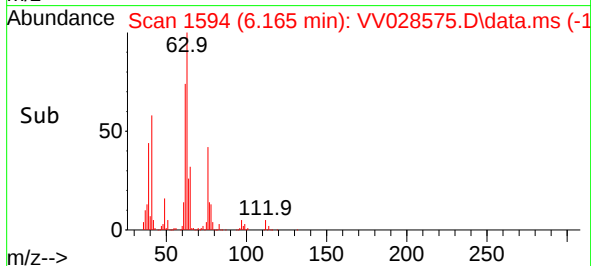
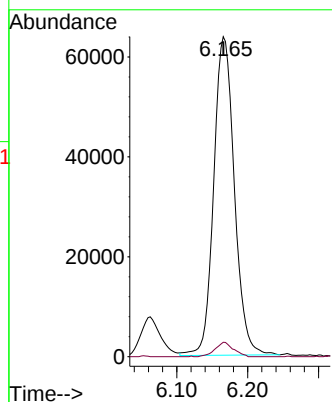
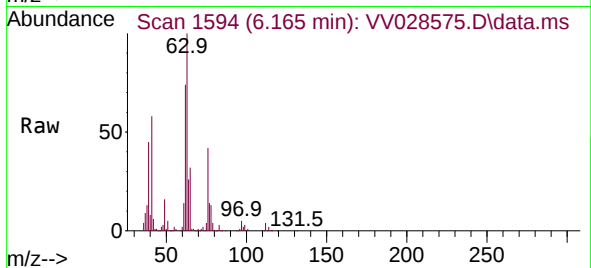




#37
1,2-Dichloropropane
Concen: 4.706 ug/L
RT: 6.165 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

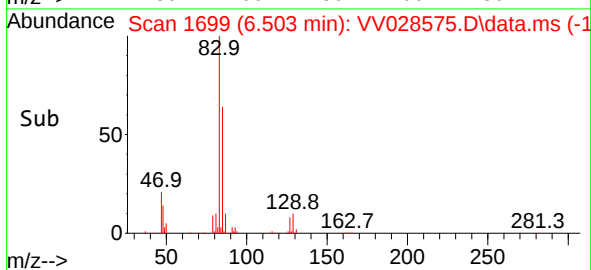
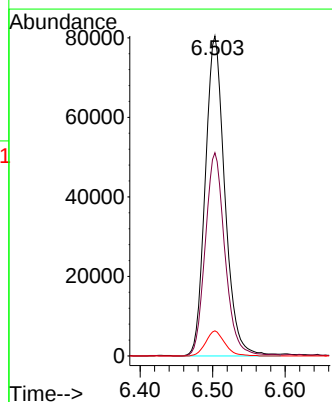
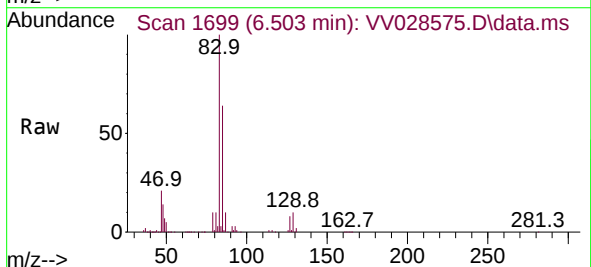
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

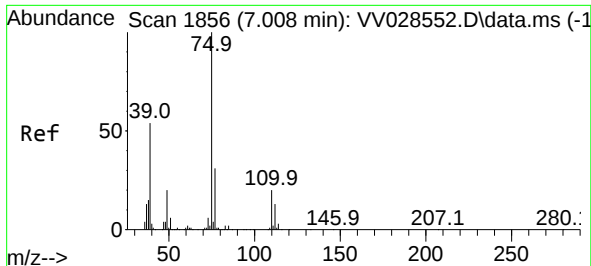
Tgt Ion: 63 Resp: 129005
Ion Ratio Lower Upper
63 100
112 4.0 3.4 5.2



#38
Bromodichloromethane
Concen: 4.822 ug/L
RT: 6.503 min Scan# 1699
Delta R.T. 0.016 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

Tgt Ion: 83 Resp: 150758
Ion Ratio Lower Upper
83 100
85 63.5 44.2 82.0
127 7.9 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 4.861 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. 0.013 min

Lab File: VV028575.D

Acq: 17 Oct 2022 09:33

Instrument :

MSVOA_V

ClientSampleId :

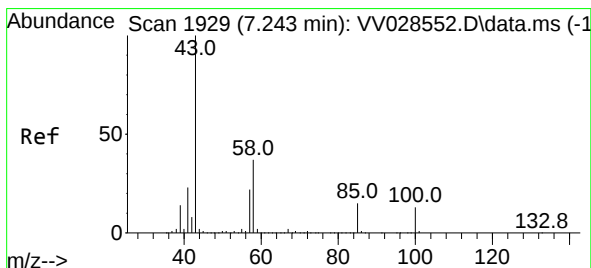
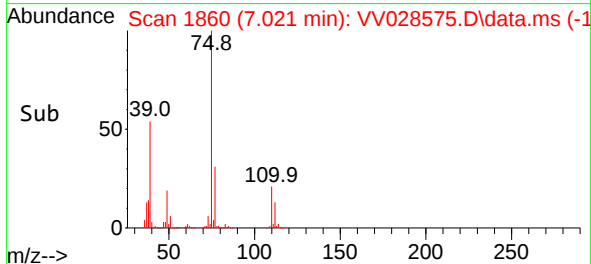
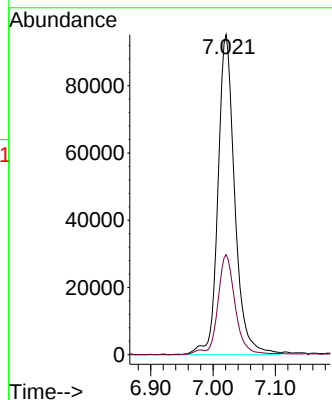
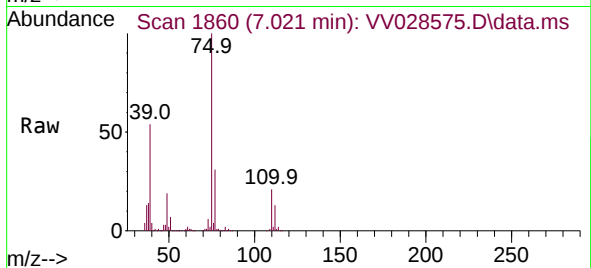
VSTD005325

Tgt Ion: 75 Resp: 177548

Ion Ratio Lower Upper

75 100

77 31.2 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 49.182 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.023 min

Lab File: VV028575.D

Acq: 17 Oct 2022 09:33

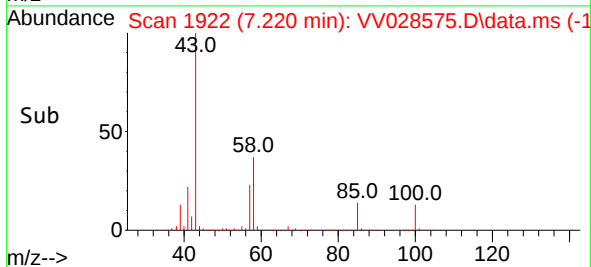
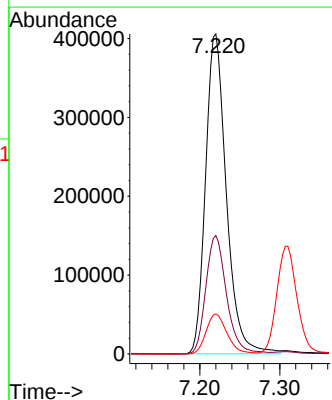
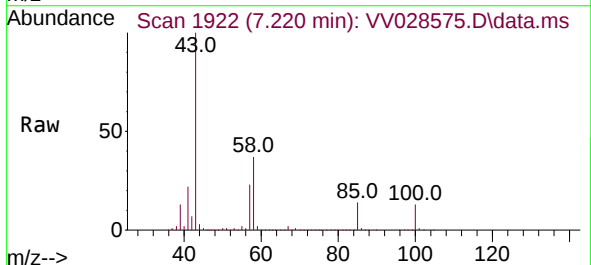
Tgt Ion: 43 Resp: 734233

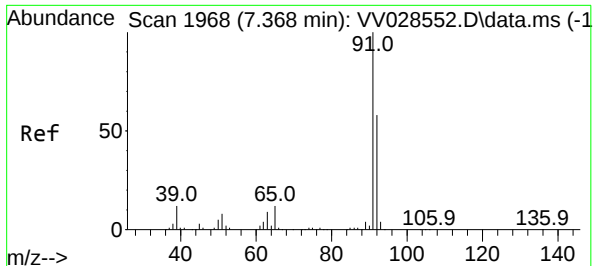
Ion Ratio Lower Upper

43 100

58 36.9 29.3 43.9

100 12.6 10.0 15.0





#42

Toluene

Concen: 5.002 ug/L

RT: 7.381 min Scan# 1968

Delta R.T. 0.013 min

Lab File: VV028575.D

Acq: 17 Oct 2022 09:33

Instrument :

MSVOA_V

ClientSampleId :

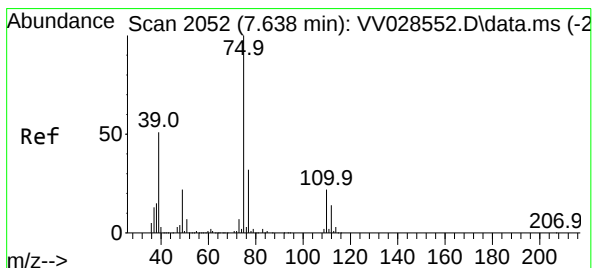
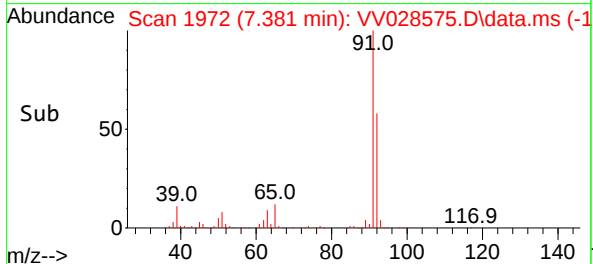
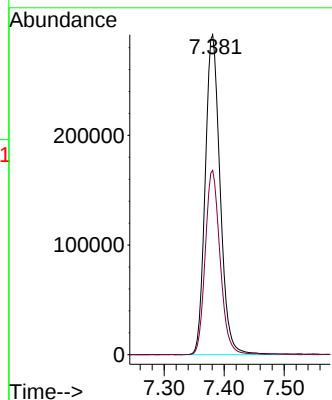
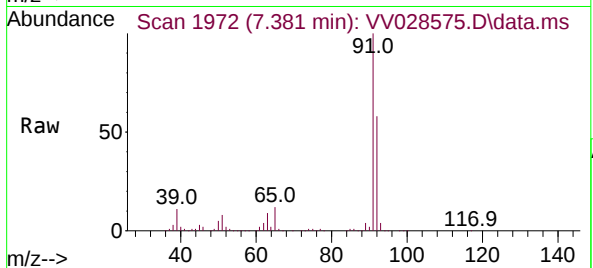
VSTD005325

Tgt Ion: 91 Resp: 505605

Ion Ratio Lower Upper

91 100

92 57.6 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.135 ug/L

RT: 7.644 min Scan# 2054

Delta R.T. 0.006 min

Lab File: VV028575.D

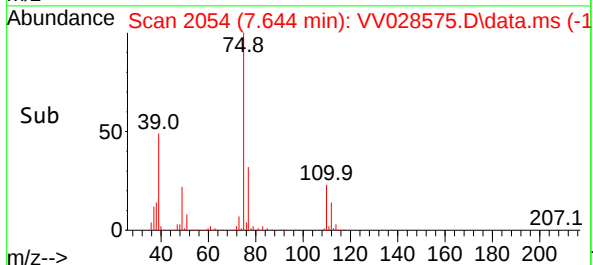
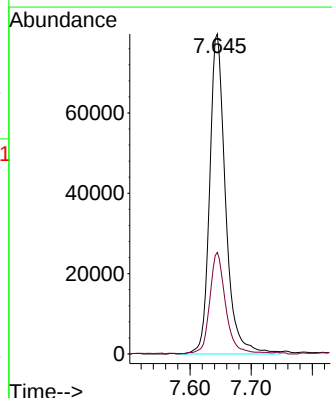
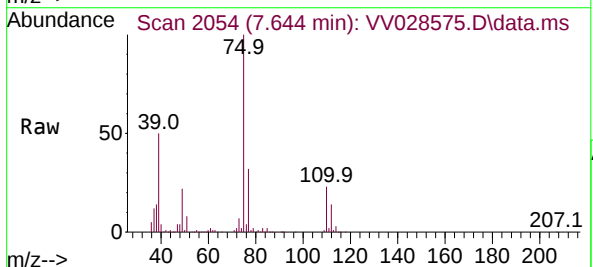
Acq: 17 Oct 2022 09:33

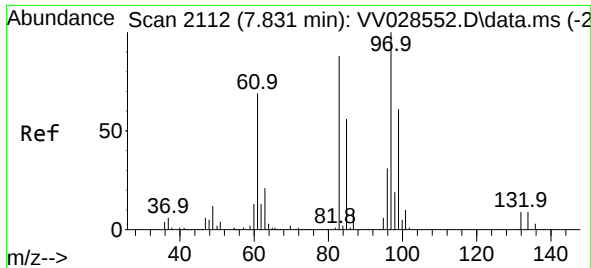
Tgt Ion: 75 Resp: 143802

Ion Ratio Lower Upper

75 100

77 31.7 21.7 40.3

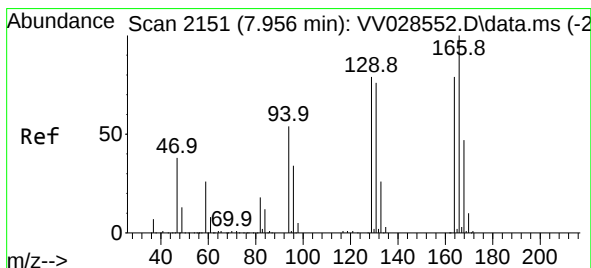
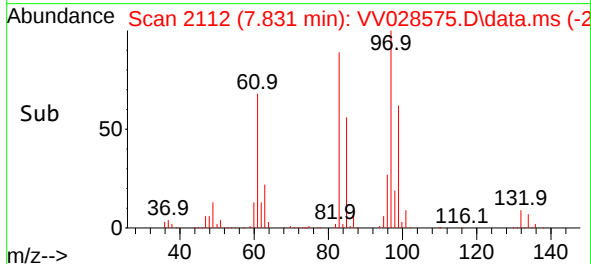
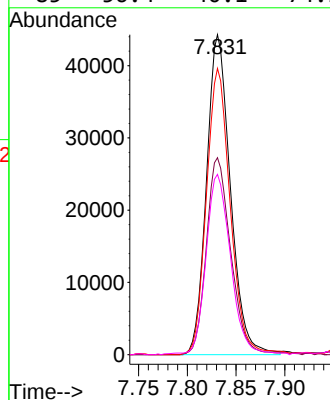
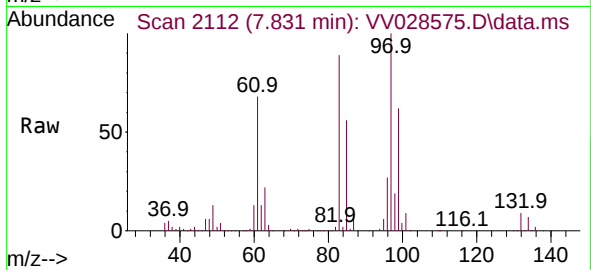




#45
1,1,2-Trichloroethane
Concen: 4.958 ug/L
RT: 7.831 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

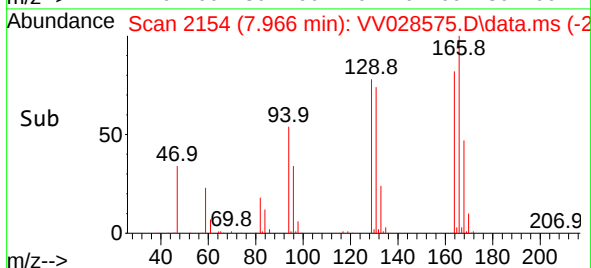
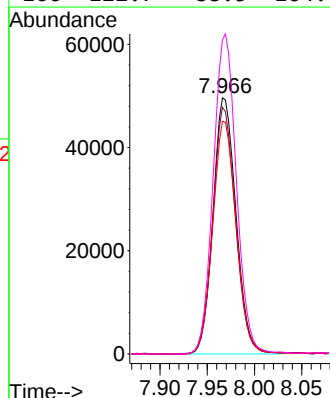
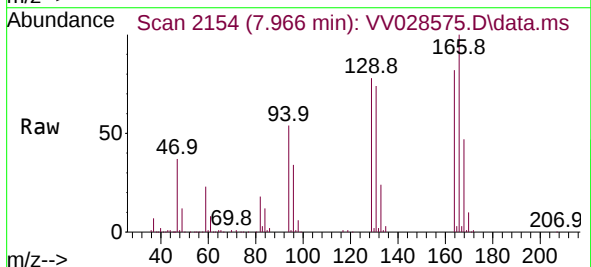
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

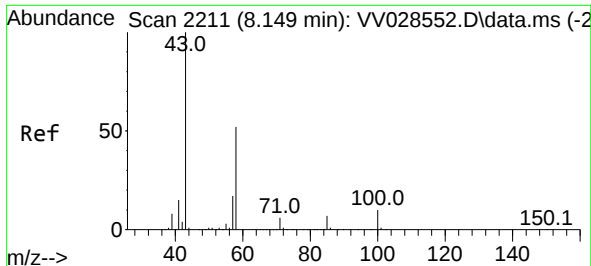
Tgt Ion:	97	Resp:	75559
Ion	Ratio	Lower	Upper
97	100		
99	61.6	44.4	82.4
83	89.5	63.1	117.1
85	56.4	40.1	74.5



#47
Tetrachloroethene
Concen: 4.996 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. 0.010 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

Tgt Ion:	164	Resp:	83658
Ion	Ratio	Lower	Upper
164	100		
129	96.2	69.3	128.7
131	90.8	67.3	125.1
166	122.7	88.5	164.4

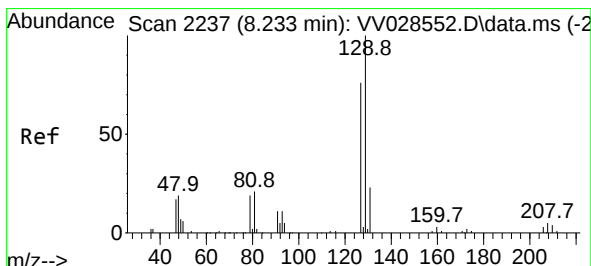
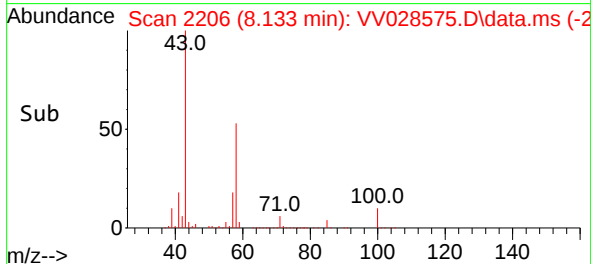
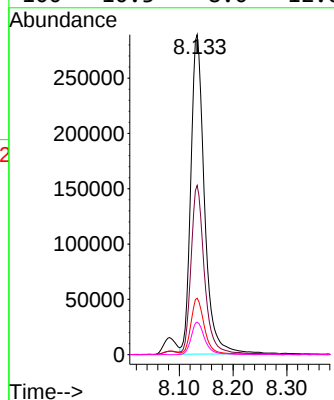
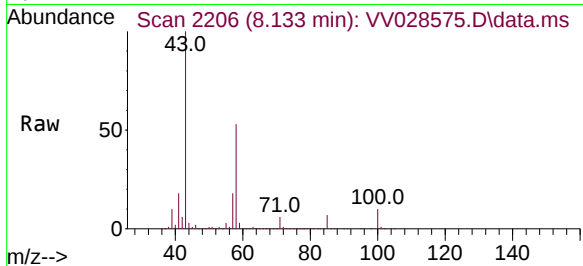




#48
2-Hexanone
Concen: 49.425 ug/L
RT: 8.133 min Scan# 21
Delta R.T. -0.016 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

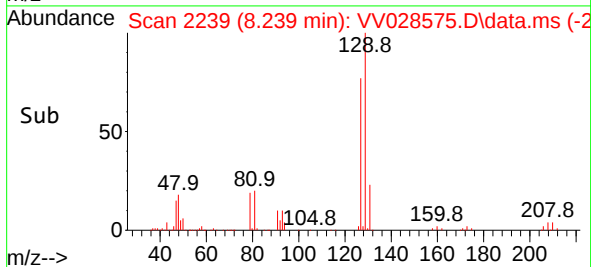
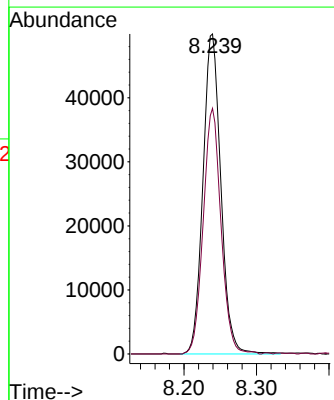
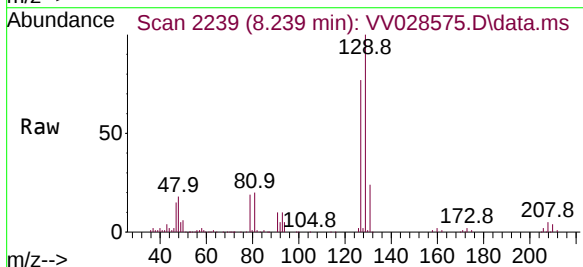
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

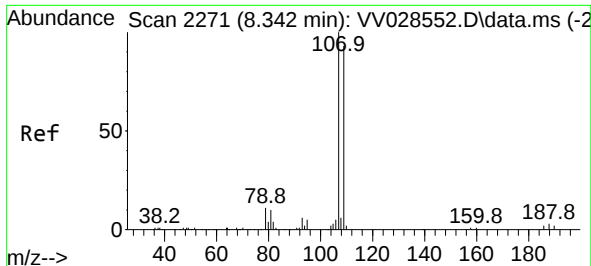
Tgt Ion: 43 Resp: 510376
Ion Ratio Lower Upper
43 100
58 51.9 42.5 63.7
57 17.2 14.5 21.7
100 10.3 8.0 12.0



#49
Dibromochloromethane
Concen: 5.268 ug/L
RT: 8.239 min Scan# 2239
Delta R.T. 0.006 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

Tgt Ion:129 Resp: 85623
Ion Ratio Lower Upper
129 100
127 76.7 53.8 100.0





#50

1,2-Dibromoethane

Concen: 5.054 ug/L

RT: 8.345 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV028575.D

Acq: 17 Oct 2022 09:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005325

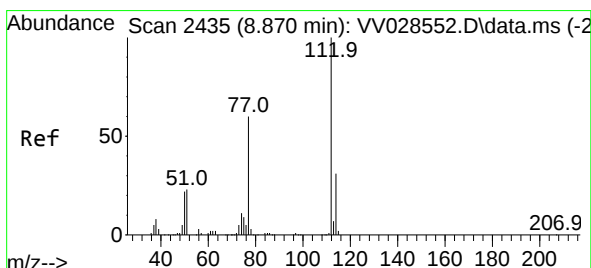
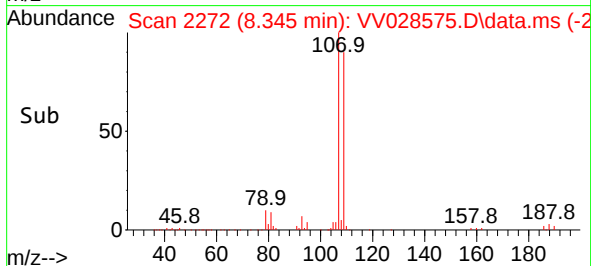
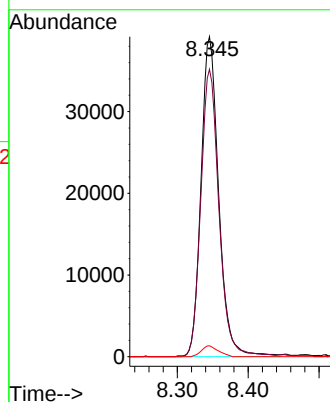
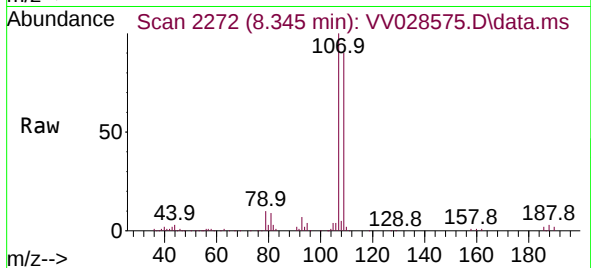
Tgt Ion:107 Resp: 67822

Ion Ratio Lower Upper

107 100

109 89.8 64.1 119.1

188 3.4 3.3 4.9



#51

Chlorobenzene

Concen: 4.962 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. 0.003 min

Lab File: VV028575.D

Acq: 17 Oct 2022 09:33

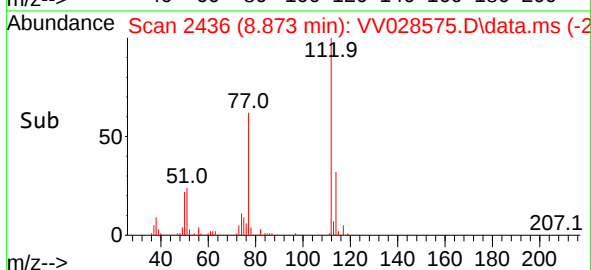
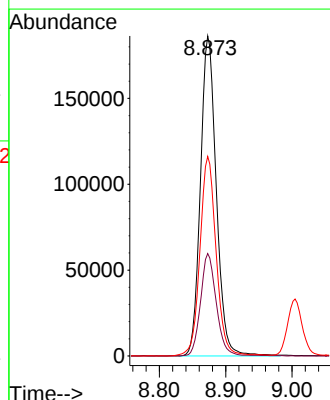
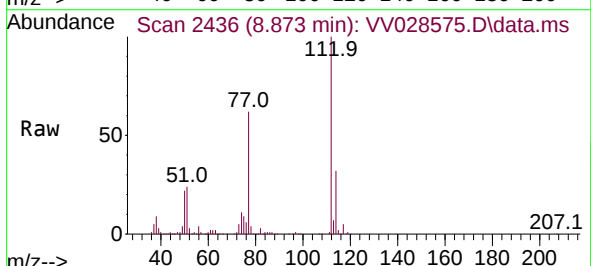
Tgt Ion:112 Resp: 310936

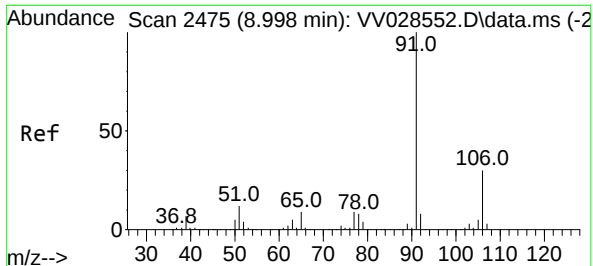
Ion Ratio Lower Upper

112 100

114 32.0 22.4 41.6

77 62.3 50.2 75.2





#52

Ethylbenzene

Concen: 4.999 ug/L

RT: 9.005 min Scan# 2475

Delta R.T. 0.006 min

Lab File: VV028575.D

Acq: 17 Oct 2022 09:33

Instrument :

MSVOA_V

ClientSampleId :

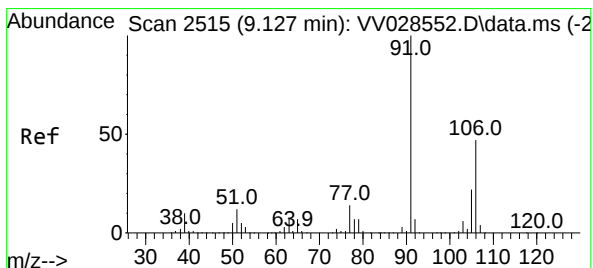
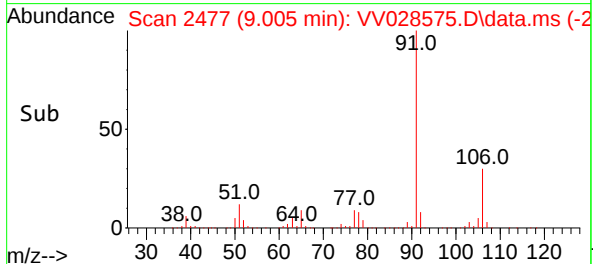
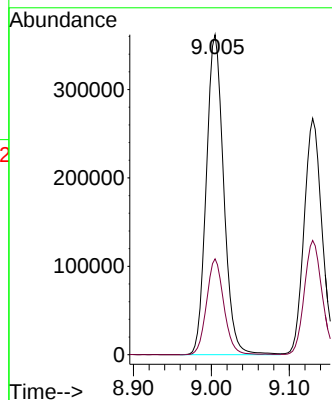
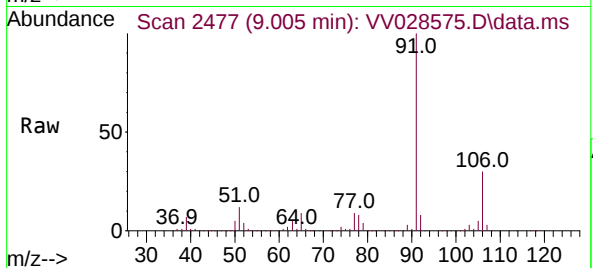
VSTD005325

Tgt Ion: 91 Resp: 561269

Ion Ratio Lower Upper

91 100

106 29.9 20.3 37.7



#53

m,p-Xylene

Concen: 4.886 ug/L

RT: 9.130 min Scan# 2516

Delta R.T. 0.003 min

Lab File: VV028575.D

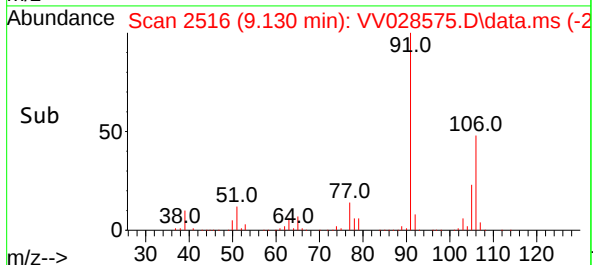
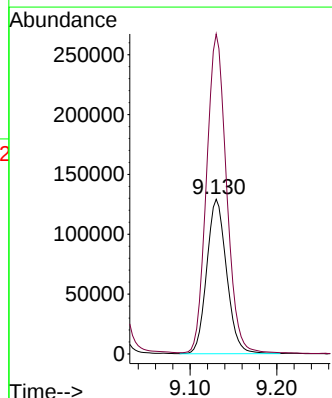
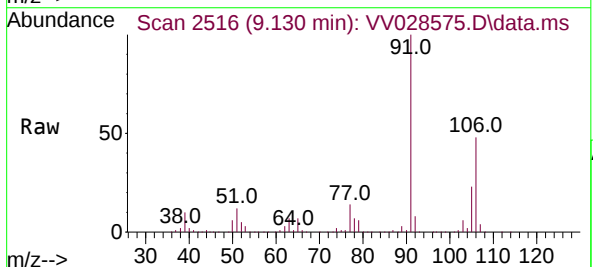
Acq: 17 Oct 2022 09:33

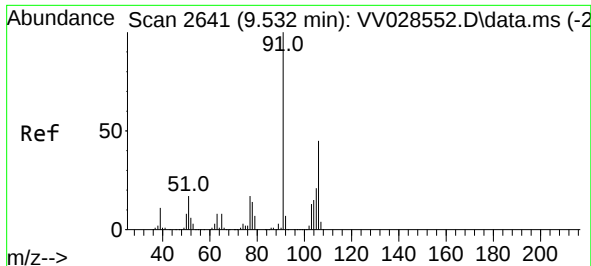
Tgt Ion: 106 Resp: 205177

Ion Ratio Lower Upper

106 100

91 206.8 146.9 272.9

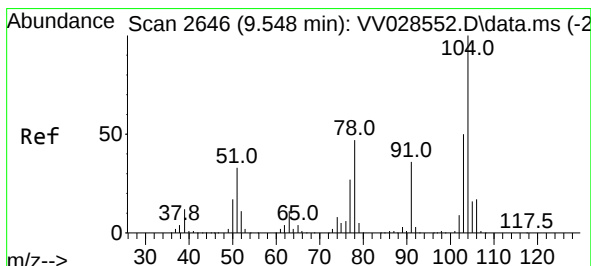
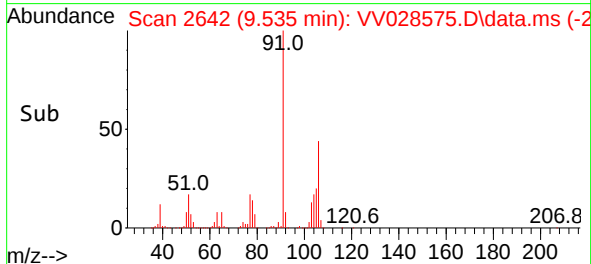
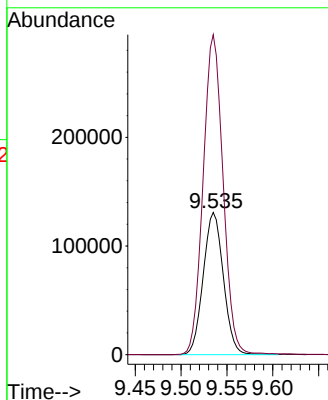
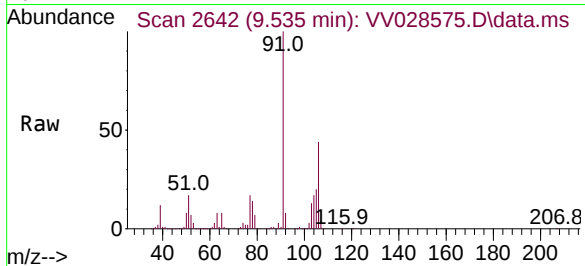




#54
o-Xylene
Concen: 4.927 ug/L
RT: 9.535 min Scan# 2641
Delta R.T. 0.003 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

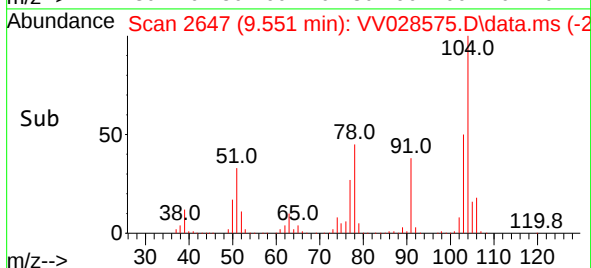
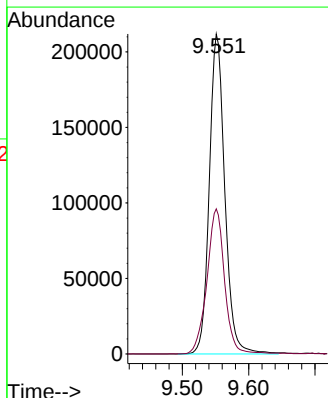
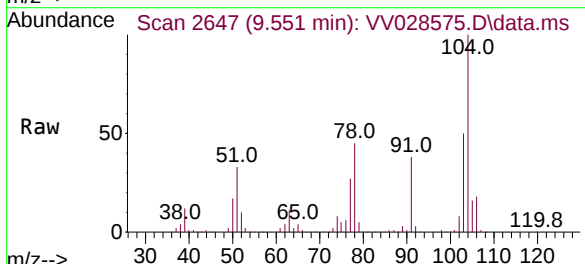
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

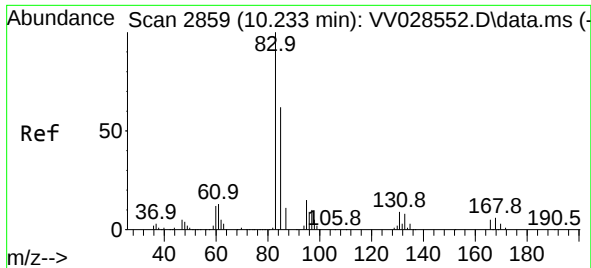
Tgt Ion:106 Resp: 200540
Ion Ratio Lower Upper
106 100
91 225.1 151.4 281.2



#55
Styrene
Concen: 5.001 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.003 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

Tgt Ion:104 Resp: 344352
Ion Ratio Lower Upper
104 100
78 45.4 32.3 60.1

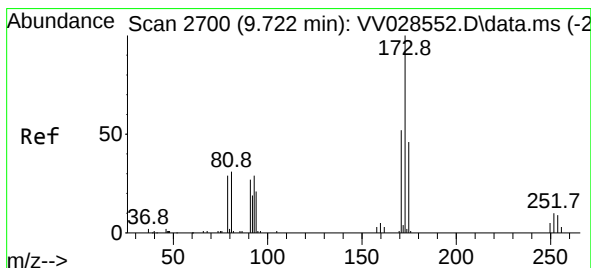
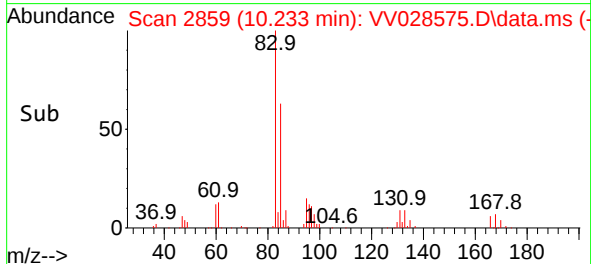
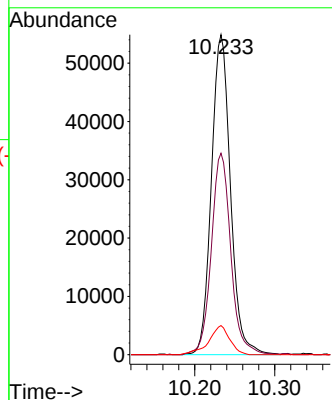
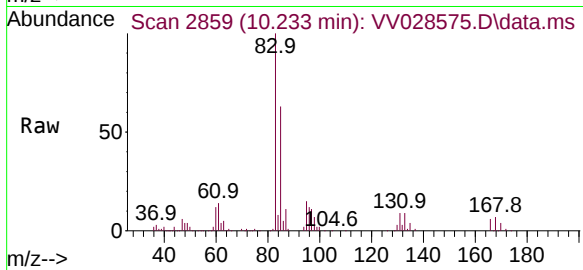




#57
1,1,2,2-Tetrachloroethane
Concen: 4.848 ug/L
RT: 10.233 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

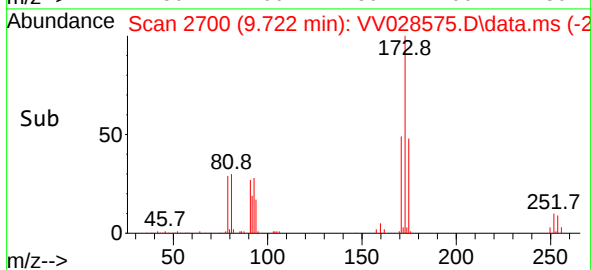
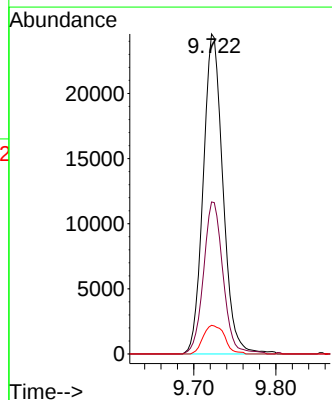
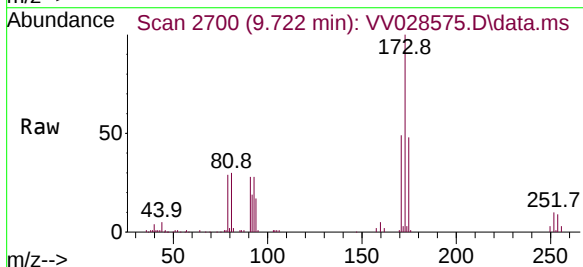
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

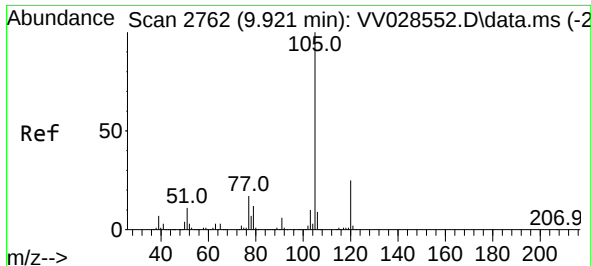
Tgt Ion: 83 Resp: 90790
Ion Ratio Lower Upper
83 100
85 63.0 44.3 82.3
131 9.1 6.4 9.6



#59
Bromoform
Concen: 5.504 ug/L
RT: 9.722 min Scan# 2700
Delta R.T. -0.000 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

Tgt Ion: 173 Resp: 41083
Ion Ratio Lower Upper
173 100
175 47.1 39.4 59.0
254 9.7 7.4 11.2

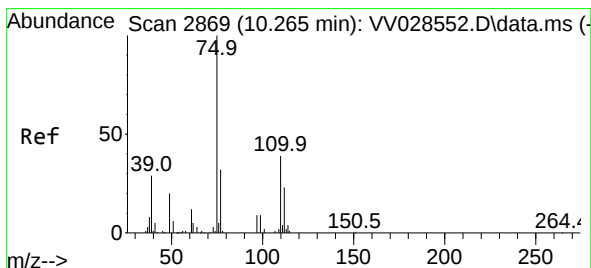
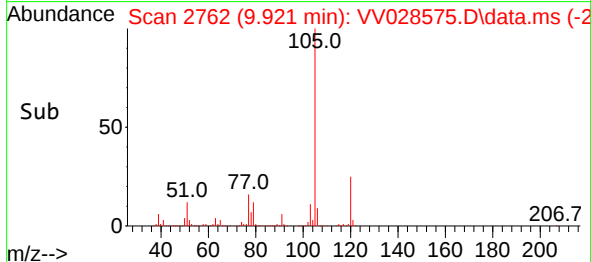
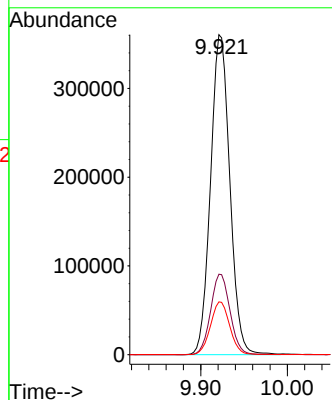
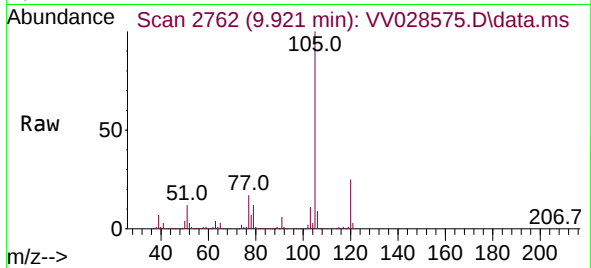




#60
Isopropylbenzene
Concen: 5.150 ug/L
RT: 9.921 min Scan# 2762
Delta R.T. -0.000 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

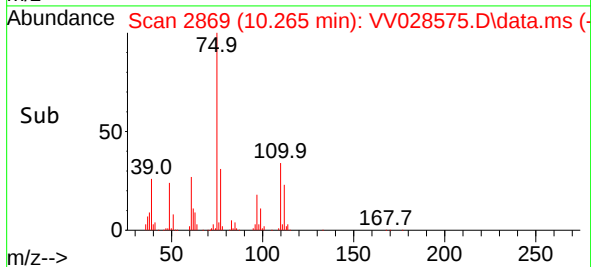
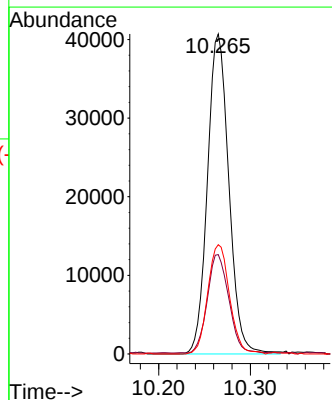
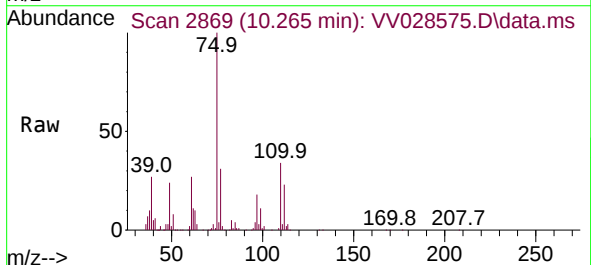
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

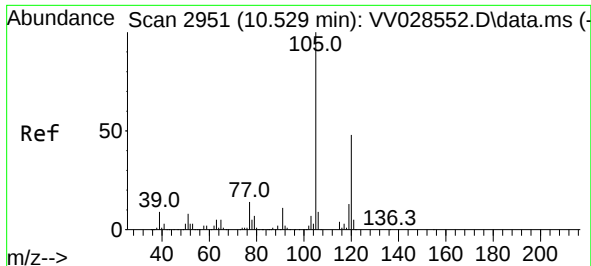
Tgt Ion:105 Resp: 557195
Ion Ratio Lower Upper
105 100
120 25.4 20.7 31.1
77 16.5 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 4.984 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. -0.000 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

Tgt Ion: 75 Resp: 66006
Ion Ratio Lower Upper
75 100
77 30.7 24.6 37.0
110 34.8 28.3 42.5





#62

1,3,5-Trimethylbenzene

Concen: 4.915 ug/L

RT: 10.532 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VV028575.D

Acq: 17 Oct 2022 09:33

Instrument :

MSVOA_V

ClientSampleId :

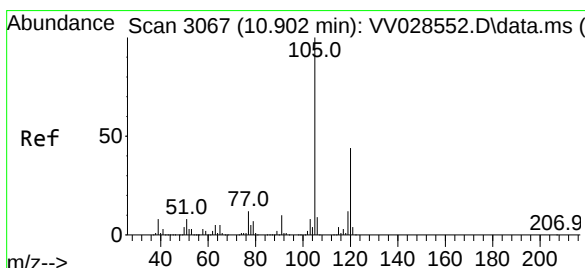
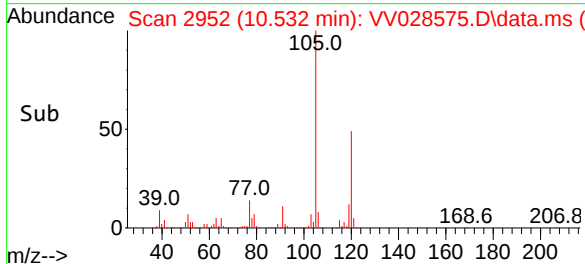
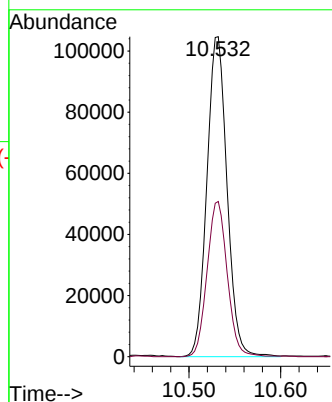
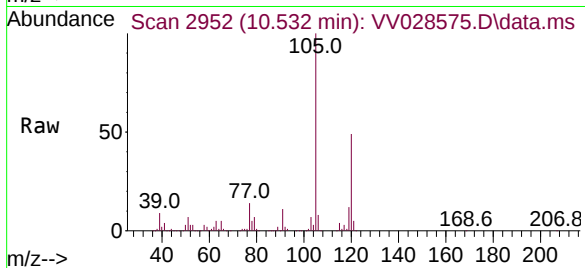
VSTD005325

Tgt Ion:105 Resp: 159980

Ion Ratio Lower Upper

105 100

120 48.5 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 4.991 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.003 min

Lab File: VV028575.D

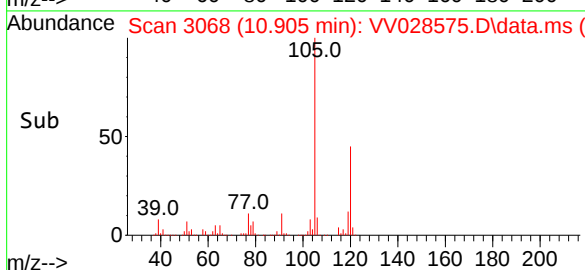
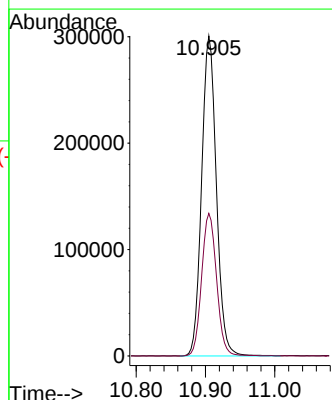
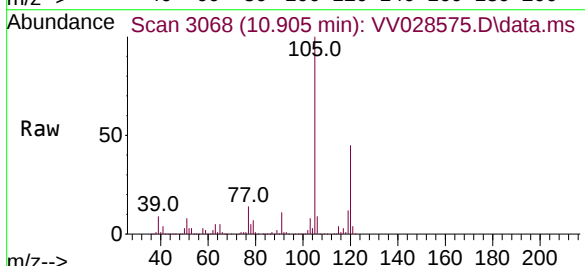
Acq: 17 Oct 2022 09:33

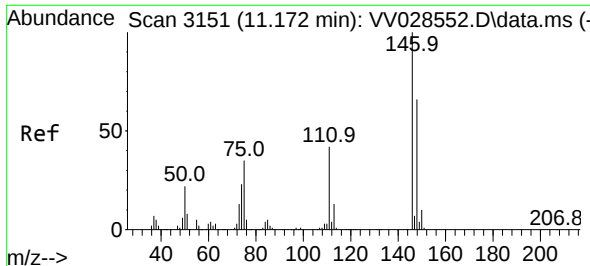
Tgt Ion:105 Resp: 444240

Ion Ratio Lower Upper

105 100

120 45.1 35.6 53.4

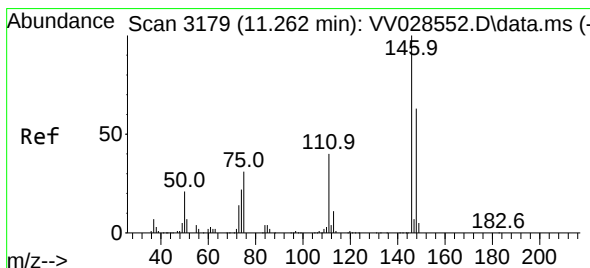
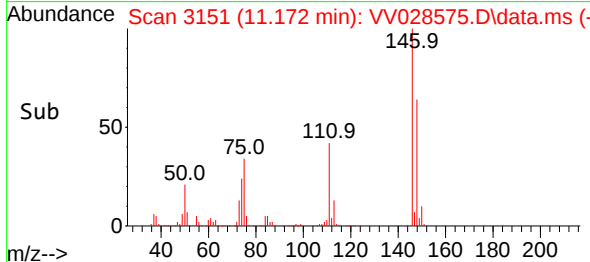
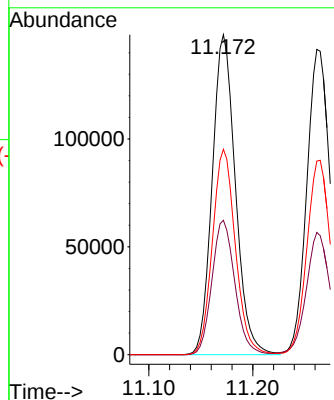
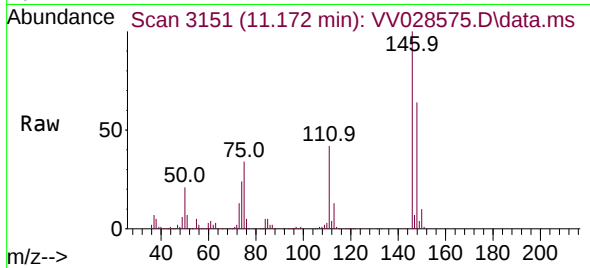




#64
1,3-Dichlorobenzene
Concen: 5.032 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

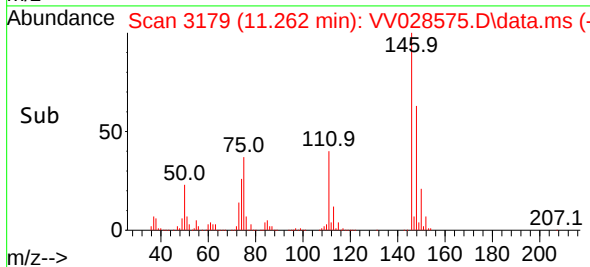
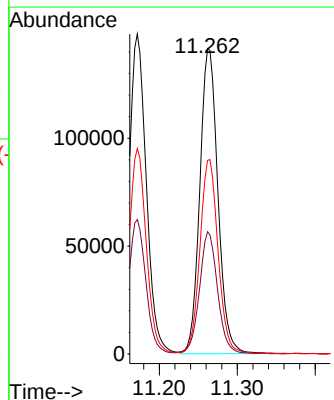
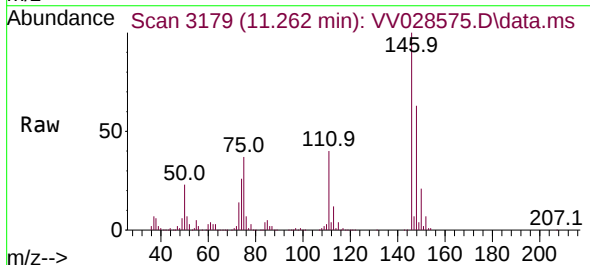
Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

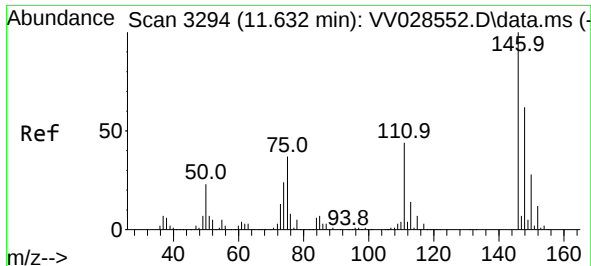
Tgt Ion:146 Resp: 229686
Ion Ratio Lower Upper
146 100
111 42.0 28.5 52.9
148 64.2 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 5.088 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

Tgt Ion:146 Resp: 227618
Ion Ratio Lower Upper
146 100
111 40.0 29.4 54.6
148 63.4 45.9 85.3





#67

1,2-Dichlorobenzene

Concen: 4.963 ug/L

RT: 11.635 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV028575.D

Acq: 17 Oct 2022 09:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005325

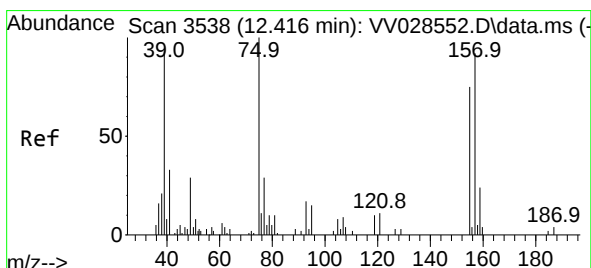
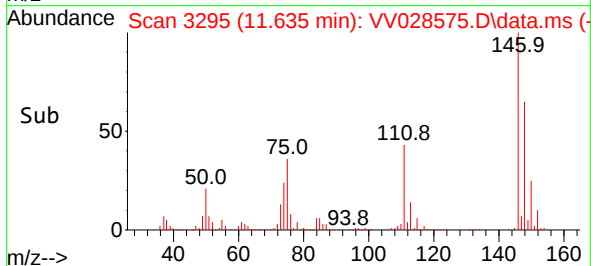
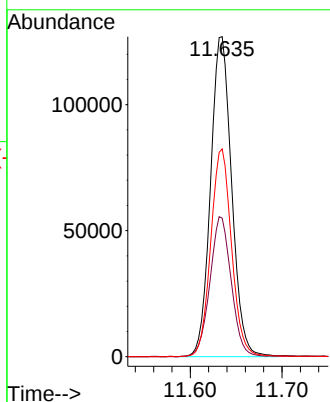
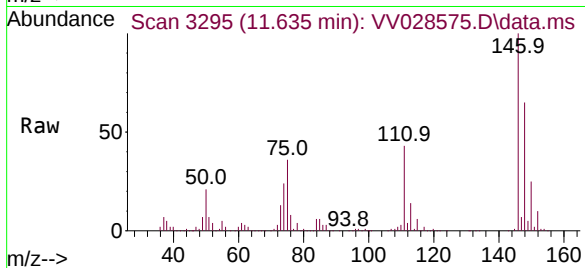
Tgt Ion:146 Resp: 203214

Ion Ratio Lower Upper

146 100

111 43.3 35.7 53.5

148 64.9 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.793 ug/L

RT: 12.419 min Scan# 3539

Delta R.T. 0.003 min

Lab File: VV028575.D

Acq: 17 Oct 2022 09:33

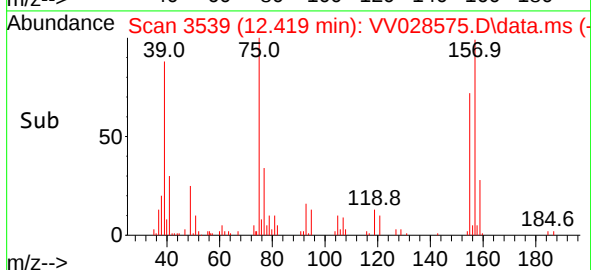
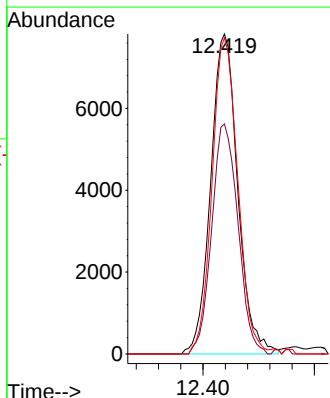
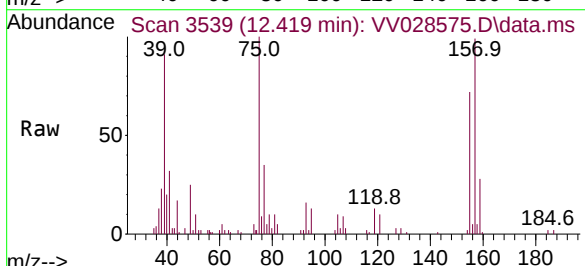
Tgt Ion: 75 Resp: 13179

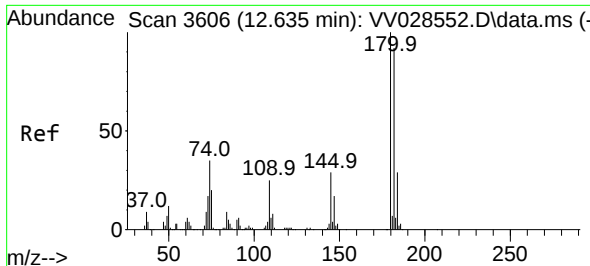
Ion Ratio Lower Upper

75 100

155 71.9 55.2 82.8

157 98.8 68.6 103.0

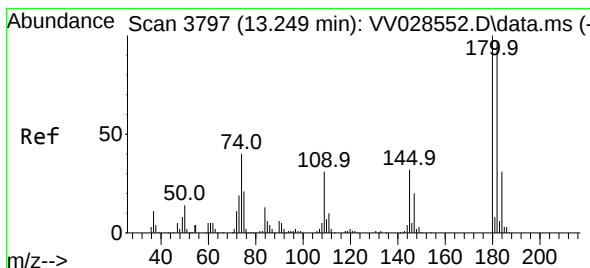
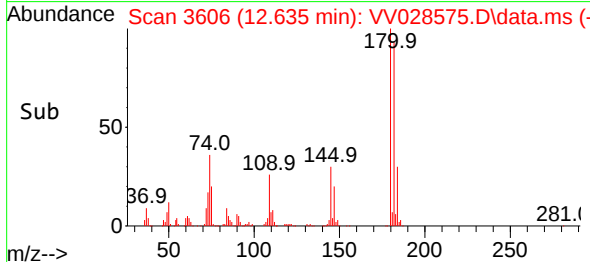
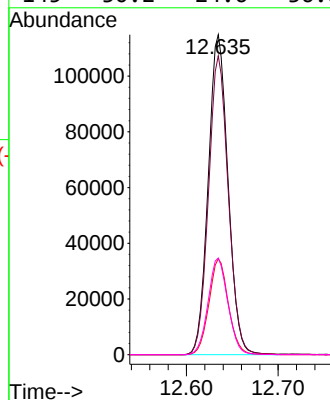
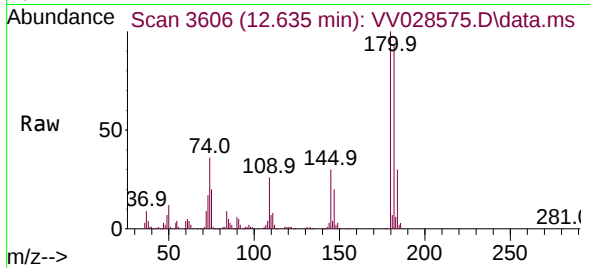




#69
 1,3,5-Trichlorobenzene
 Concen: 5.155 ug/L
 RT: 12.635 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VV028575.D
 Acq: 17 Oct 2022 09:33

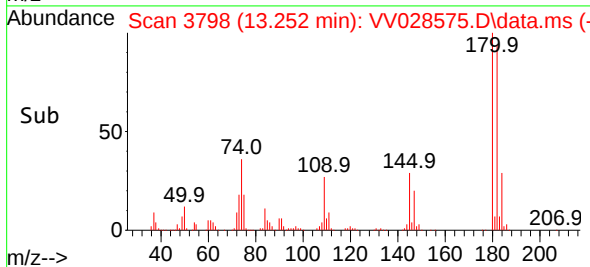
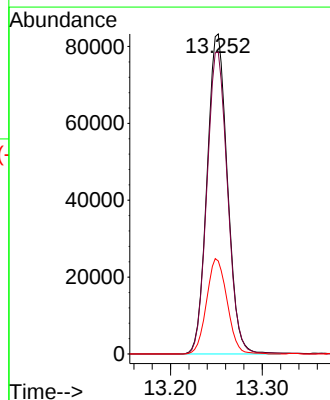
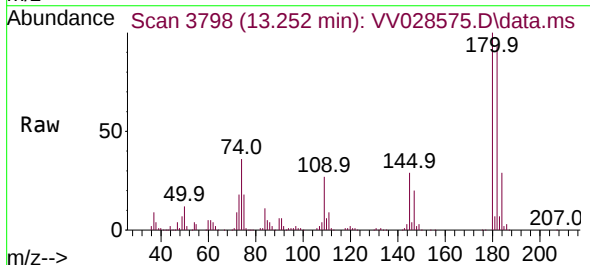
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005325

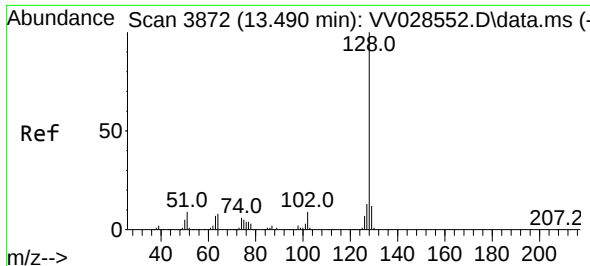
Tgt Ion:180	Resp:	172122
Ion Ratio	Lower	Upper
180	100	
182	93.3	75.6 113.4
184	29.4	23.8 35.8
145	30.2	24.6 36.8



#70
 1,2,4-trichlorobenzene
 Concen: 5.063 ug/L
 RT: 13.252 min Scan# 3798
 Delta R.T. 0.003 min
 Lab File: VV028575.D
 Acq: 17 Oct 2022 09:33

Tgt Ion:180	Resp:	128759
Ion Ratio	Lower	Upper
180	100	
182	95.2	74.2 111.2
145	30.0	25.3 37.9

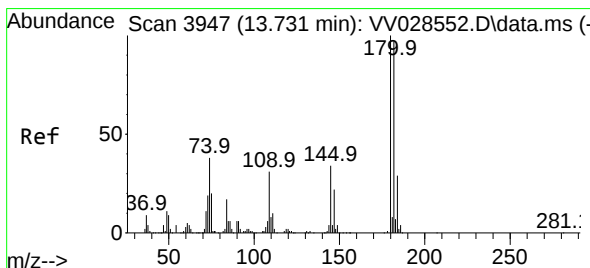
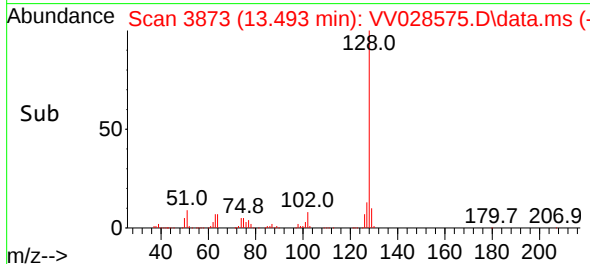
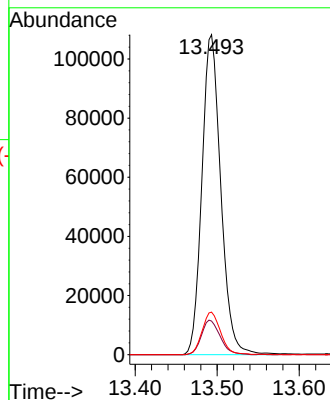
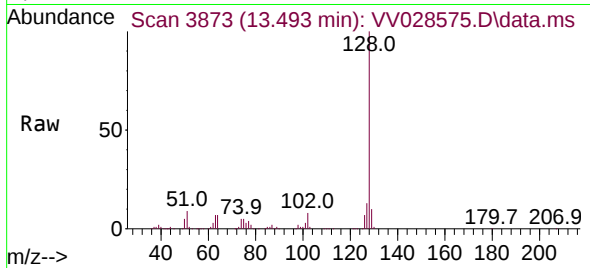




#71
Naphthalene
Concen: 4.544 ug/L
RT: 13.493 min Scan# 3872
Delta R.T. 0.003 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD005325

Tgt Ion:128 Resp: 173167
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.6
127 13.0 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 4.988 ug/L
RT: 13.734 min Scan# 3948
Delta R.T. 0.003 min
Lab File: VV028575.D
Acq: 17 Oct 2022 09:33

Tgt Ion:180 Resp: 104534
Ion Ratio Lower Upper
180 100
182 95.5 76.3 114.5
145 33.0 25.8 38.8

