

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033275.D
 Acq On : 13 Dec 2023 14:27
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005315

Quant Time: Dec 13 23:25:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 23:17:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	144228	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	140080	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	77838	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	44839	4.849	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	97.000%	
7) Chloroethane-d5	1.532	69	33861	4.924	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	98.400%	
11) 1,1-Dichloroethene-d2	2.056	65	18262	4.963	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	99.200%	
20) 2-Butanone-d5	3.828	46	44921	41.055	ug/L	-0.01
Spiked Amount	50.000	Range 40 - 130	Recovery	=	82.120%	
24) Chloroform-d	4.249	84	98506	5.108	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	102.200%	
26) 1,2-Dichloroethane-d4	4.944	65	43996	5.250	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	105.000%	
32) Benzene-d6	4.960	84	188826	5.211	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	104.200%	
36) 1,2-Dichloropropane-d6	5.989	67	43844	5.316	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	106.400%	
41) Toluene-d8	7.243	98	186459	5.281	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	105.600%	
43) trans-1,3-Dichloroprop...	7.554	79	19840	5.273	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	105.400%	
46) 2-Hexanone-d5	8.027	63	55512	52.846	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	105.700%	
56) 1,1,2,2-Tetrachloroeth...	10.152	84	28559	5.120	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	102.400%	
66) 1,2-Dichlorobenzene-d4	11.561	152	70010	5.107	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	102.200%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	86102	4.786	ug/L	99
3) Chloromethane	1.214	50	47979	4.664	ug/L	97
5) Vinyl chloride	1.281	62	49434	4.748	ug/L	99
6) Bromomethane	1.487	94	33030	4.840	ug/L	96
8) Chloroethane	1.548	64	27805	4.629	ug/L	96
9) Trichlorofluoromethane	1.712	101	91698	4.800	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	43555	4.931	ug/L	99
12) 1,1-Dichloroethene	2.069	96	40752	4.935	ug/L	93
13) Acetone	2.387	43	6958	8.985	ug/L	73
14) Carbon disulfide	2.240	76	132204	4.917	ug/L	98
15) Methyl Acetate	2.387	43	7372	3.592	ug/L	91
16) Methylene chloride	2.445	84	48324	5.081	ug/L	99
17) Methyl tert-butyl Ether	2.706	73	86569	5.091	ug/L	98
18) trans-1,2-Dichloroethene	2.693	96	50257	5.027	ug/L	96
19) 1,1-Dichloroethane	3.111	63	78352	4.994	ug/L	98
21) 2-Butanone	3.905	43	49506	43.882	ug/L #	64
22) cis-1,2-Dichloroethene	3.812	96	52457	5.079	ug/L	97
23) Bromochloromethane	4.153	128	22667	5.082	ug/L	95
25) Chloroform	4.275	83	93488	5.054	ug/L	99

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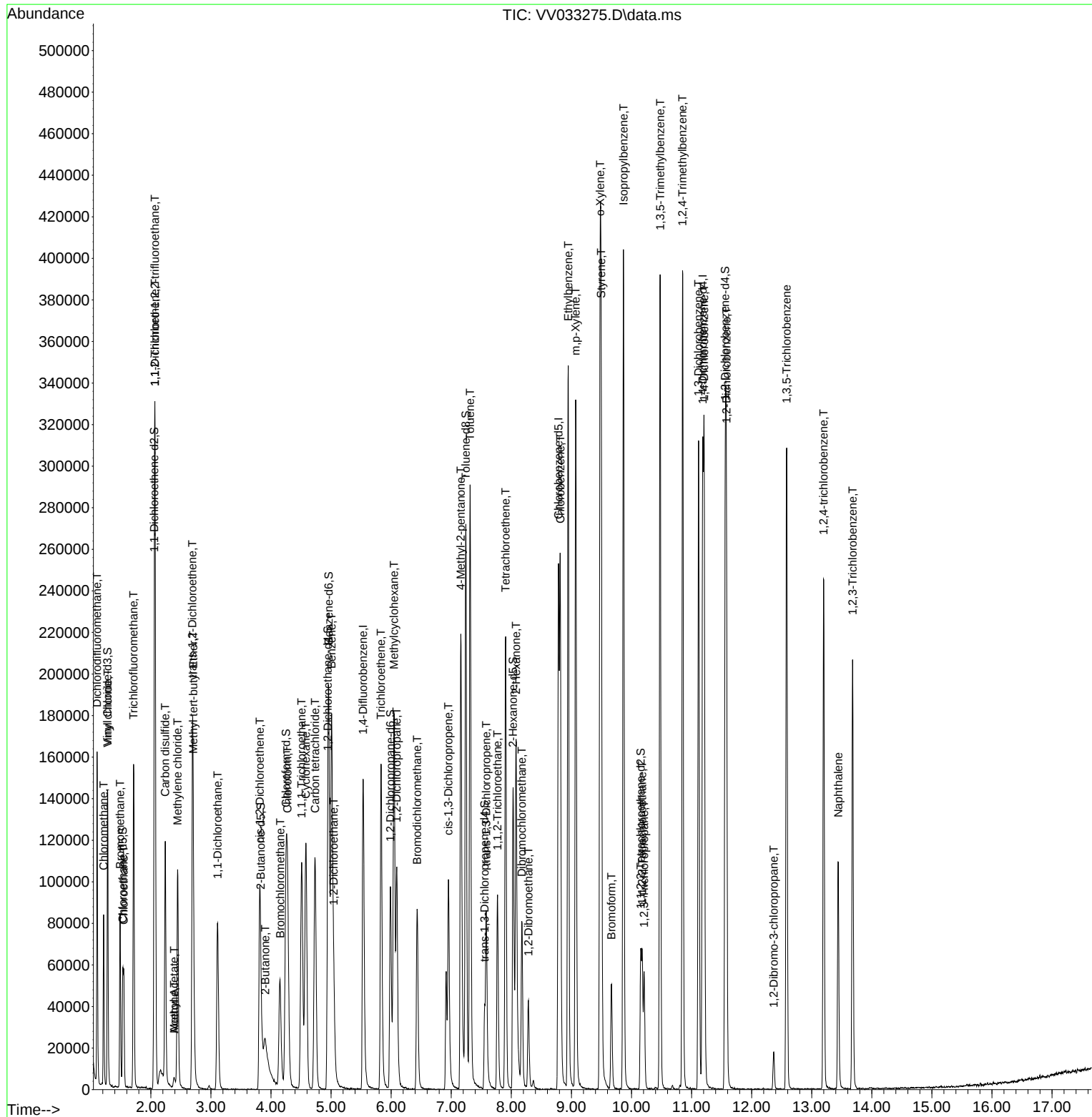
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	51136	5.036	ug/L	99
29) 1,1,1-Trichloroethane	4.510	97	94982	4.890	ug/L	99
30) Cyclohexane	4.580	56	60807	4.906	ug/L	97
31) Carbon tetrachloride	4.731	117	90951	5.012	ug/L	97
33) Benzene	5.008	78	187632	4.999	ug/L	100
34) Trichloroethene	5.831	95	54573	4.987	ug/L	98
35) Methylcyclohexane	6.046	83	83563	5.155	ug/L	98
37) 1,2-Dichloropropane	6.091	63	37846	5.013	ug/L	100
38) Bromodichloromethane	6.432	83	61140	5.046	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	63304	5.163	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	145791	54.574	ug/L	99
42) Toluene	7.313	91	220451	5.128	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	51084	4.998	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	29788	5.123	ug/L	98
47) Tetrachloroethene	7.905	164	52603	5.077	ug/L	94
48) 2-Hexanone	8.079	43	106890	55.515	ug/L	98
49) Dibromochloromethane	8.175	129	41831	5.129	ug/L	99
50) 1,2-Dibromoethane	8.284	107	28320	5.245	ug/L	94
51) Chlorobenzene	8.815	112	144449	4.906	ug/L	98
52) Ethylbenzene	8.947	91	242800	5.041	ug/L	100
53) m,p-Xylene	9.072	106	100404	5.065	ug/L	94
54) o-Xylene	9.477	106	94439	5.030	ug/L	99
55) Styrene	9.497	104	161805	5.253	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	26573	4.690	ug/L	93
59) Bromoform	9.667	173	23953	5.009	ug/L	94
60) Isopropylbenzene	9.866	105	263434	5.109	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	21215	5.142	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	214199	5.079	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	220608	5.288	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	129833	4.947	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	129578	4.963	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	111563	4.945	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	4522	4.687	ug/L	92
69) 1,3,5-Trichlorobenzene	12.583	180	104137	4.971	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	80954	5.016	ug/L	99
71) Naphthalene	13.442	128	94493	5.054	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	67953	5.246	ug/L	96

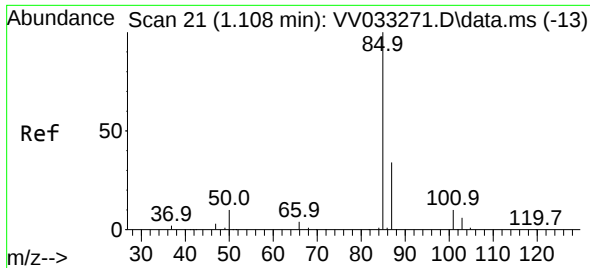
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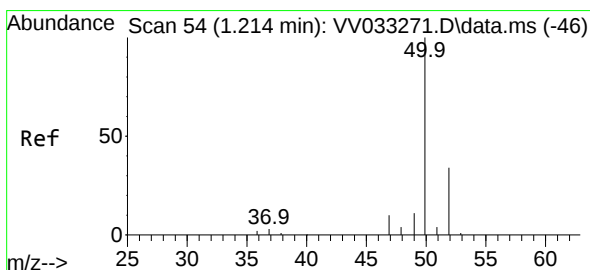
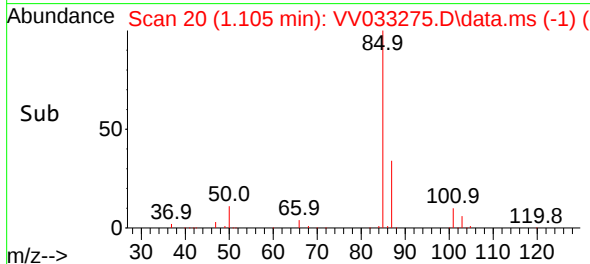
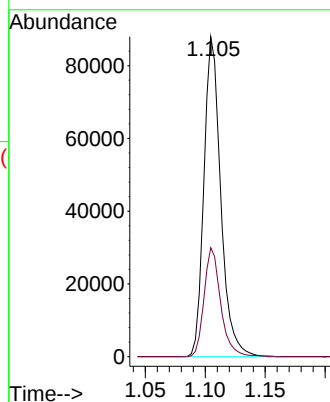
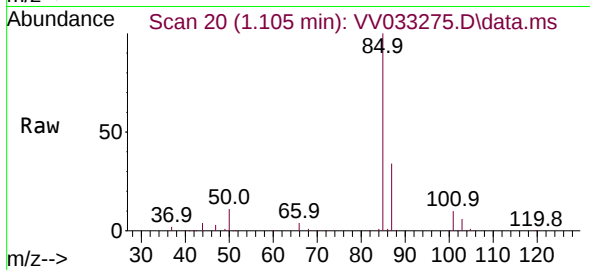




#2
 Dichlorodifluoromethane
 Concen: 4.786 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV033275.D
 Acq: 13 Dec 2023 14:27

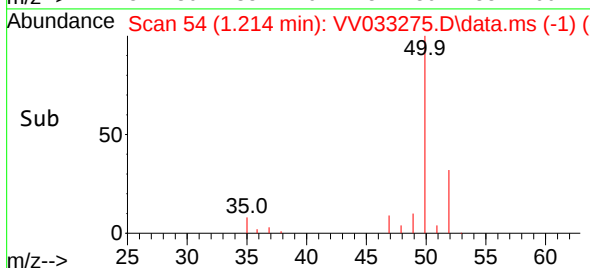
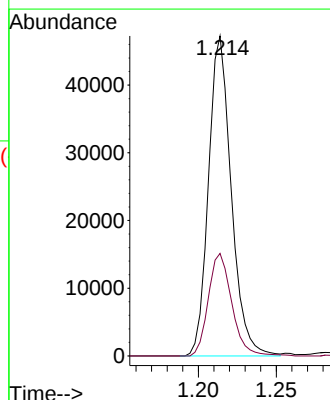
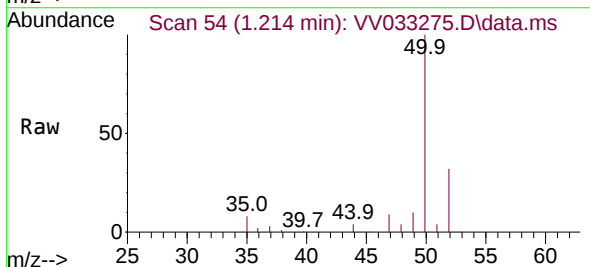
Instrument :
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 ClientSampleId :
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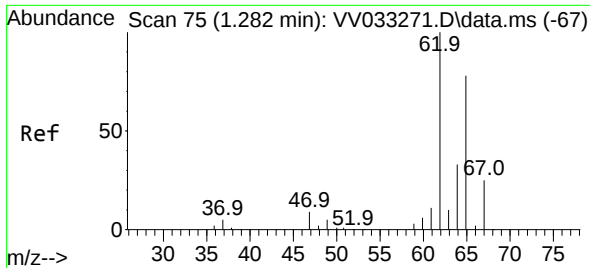
Tgt Ion: 85 Resp: 86102
 Ion Ratio Lower Upper
 85 100
 87 33.6 27.4 41.2



#3
 Chloromethane
 Concen: 4.664 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV033275.D
 Acq: 13 Dec 2023 14:27

Tgt Ion: 50 Resp: 47979
 Ion Ratio Lower Upper
 50 100
 52 32.1 23.8 44.2

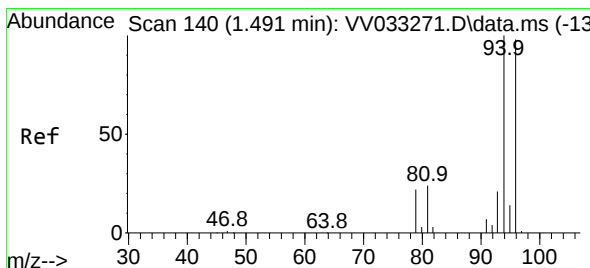
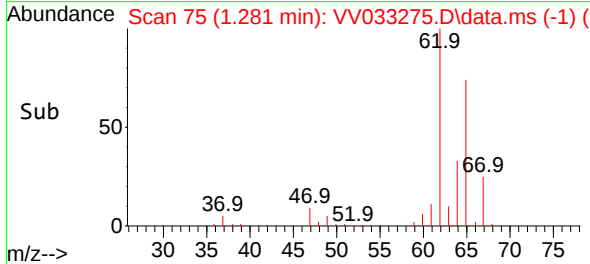
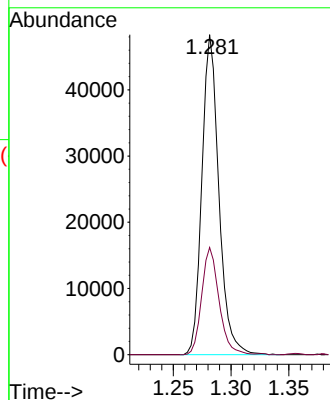
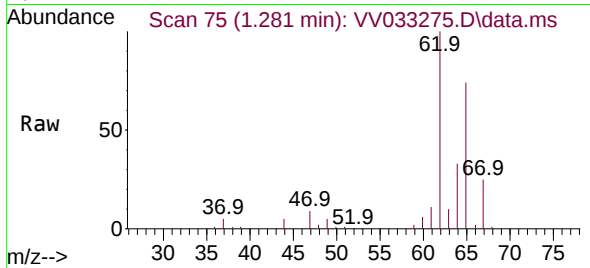




#5
 Vinyl chloride
 Concen: 4.748 ug/L
 RT: 1.281 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV033275.D
 Acq: 13 Dec 2023 14:27

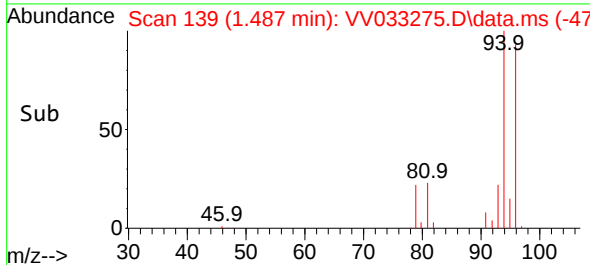
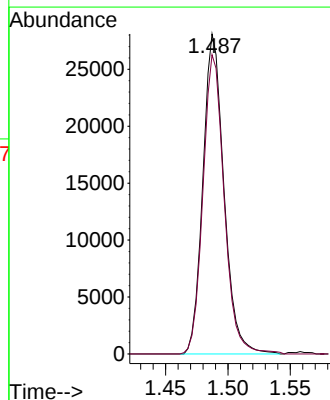
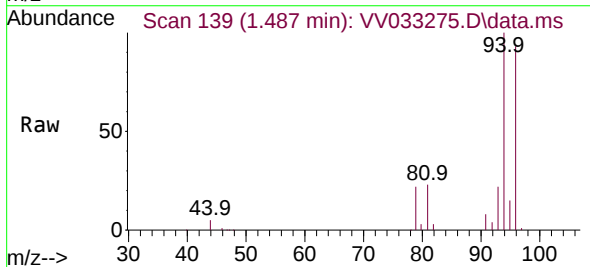
Instrument :
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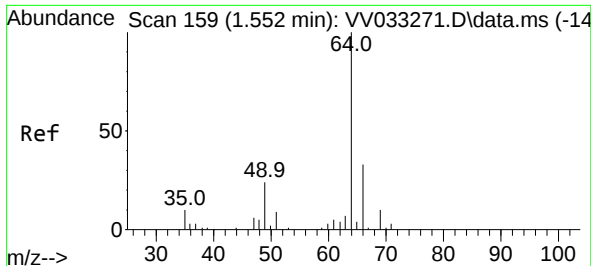
Tgt Ion: 62 Resp: 49434
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.0 42.8



#6
 Bromomethane
 Concen: 4.840 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV033275.D
 Acq: 13 Dec 2023 14:27

Tgt Ion: 94 Resp: 33030
 Ion Ratio Lower Upper
 94 100
 96 93.5 68.3 126.8

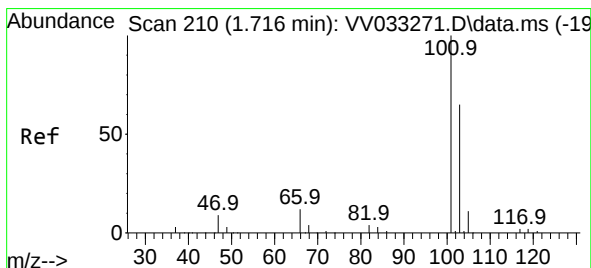
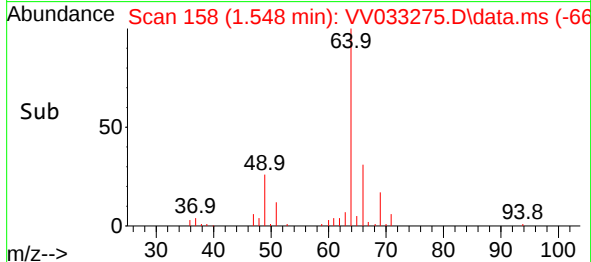
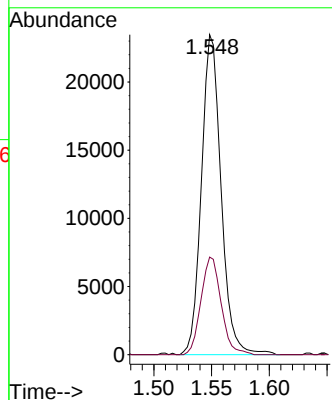
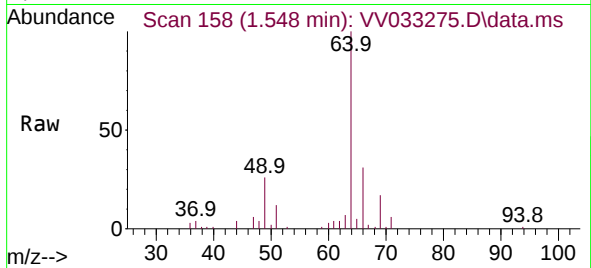




#8
Chloroethane
Concen: 4.629 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

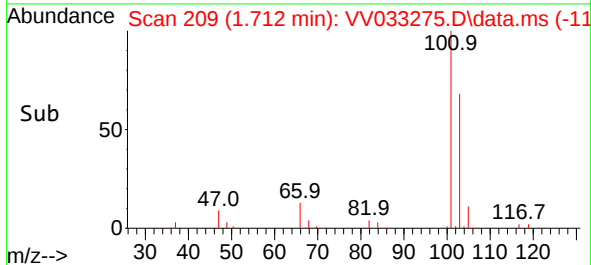
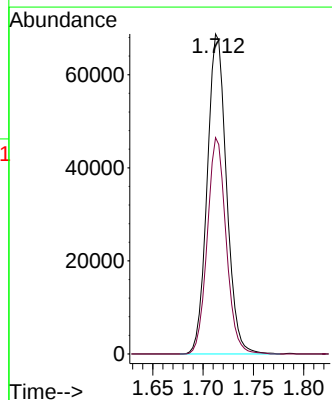
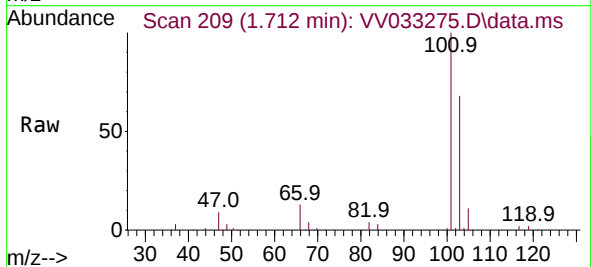
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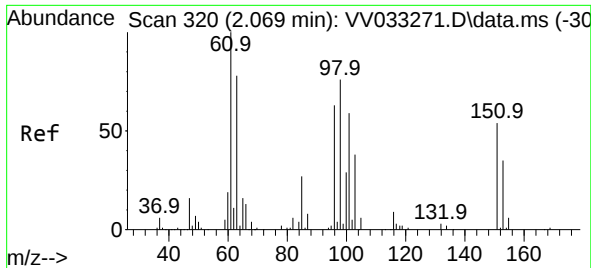
Tgt Ion: 64 Resp: 27805
Ion Ratio Lower Upper
64 100
66 30.5 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.800 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

Tgt Ion:101 Resp: 91698
Ion Ratio Lower Upper
101 100
103 66.0 51.8 77.8

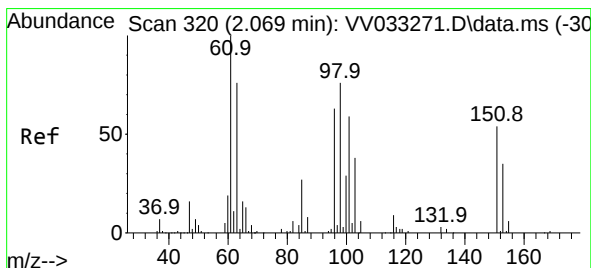
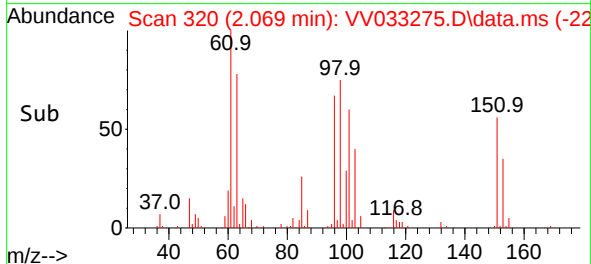
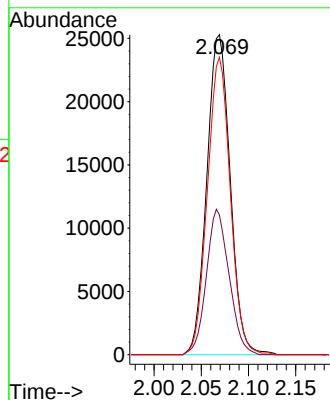
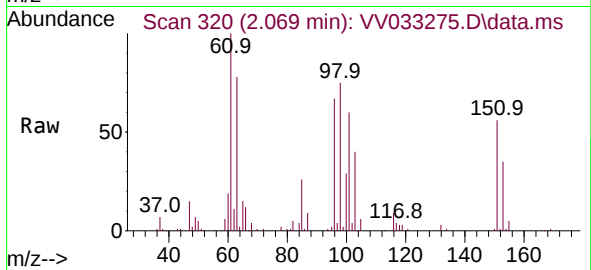




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.931 ug/L
 RT: 2.069 min Scan# 310
 Delta R.T. -0.000 min
 Lab File: VV033275.D
 Acq: 13 Dec 2023 14:27

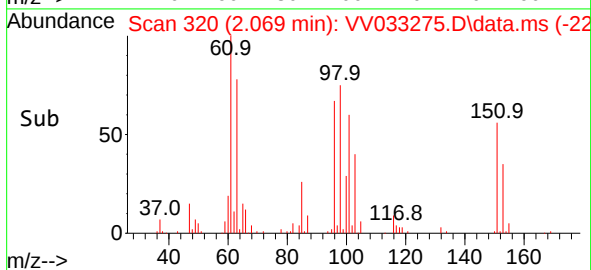
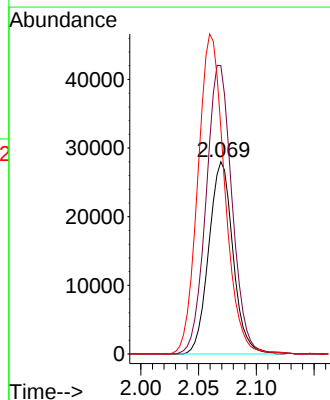
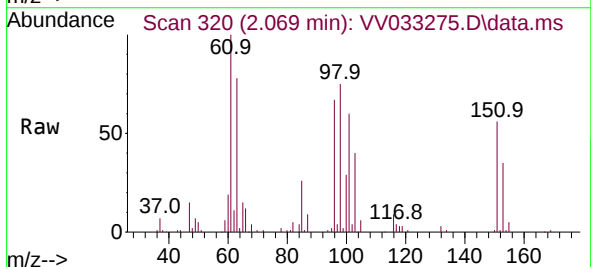
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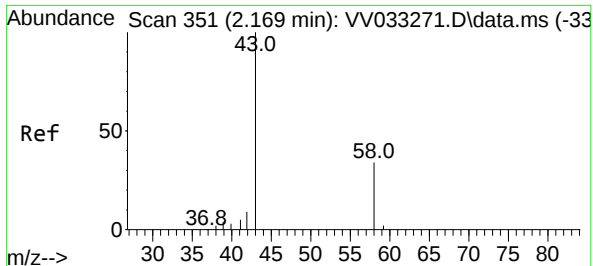
Tgt Ion:101 Resp: 43555
 Ion Ratio Lower Upper
 101 100
 85 44.0 36.2 54.2
 151 91.2 72.8 109.2



#12
 1,1-Dichloroethene
 Concen: 4.935 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV033275.D
 Acq: 13 Dec 2023 14:27

Tgt Ion: 96 Resp: 40752
 Ion Ratio Lower Upper
 96 100
 61 150.1 111.6 207.2
 63 117.8 87.1 161.7





#13

Acetone

Concen: 8.985 ug/L

RT: 2.387 min Scan# 41

Delta R.T. 0.218 min

Lab File: VV033275.D

Acq: 13 Dec 2023 14:27

Instrument :

MSVOA_V

ClientSampleId :

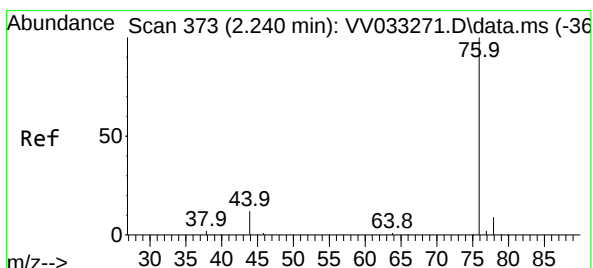
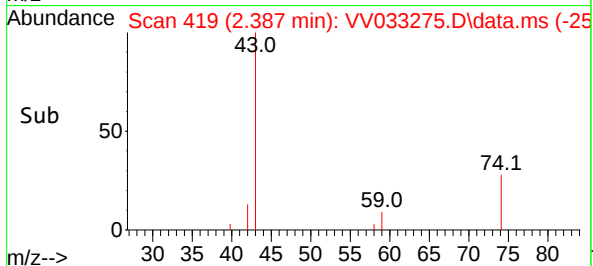
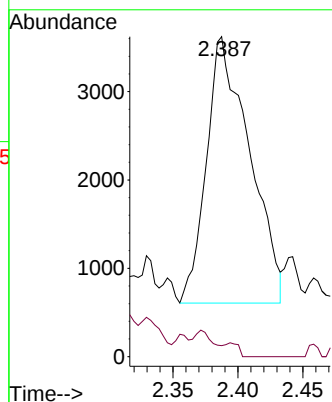
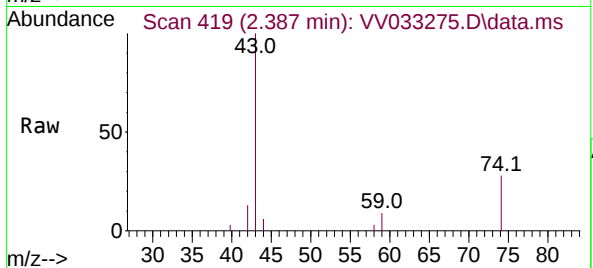
VSTD005315

Tgt Ion: 43 Resp: 6958

Ion Ratio Lower Upper

43 100

58 3.8 0.0 30.2



#14

Carbon disulfide

Concen: 4.917 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

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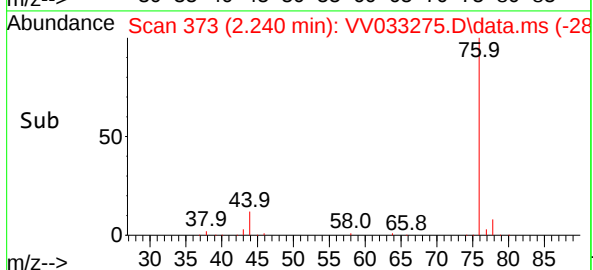
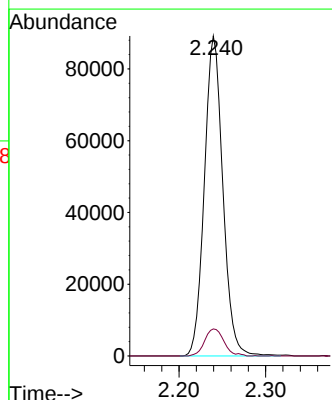
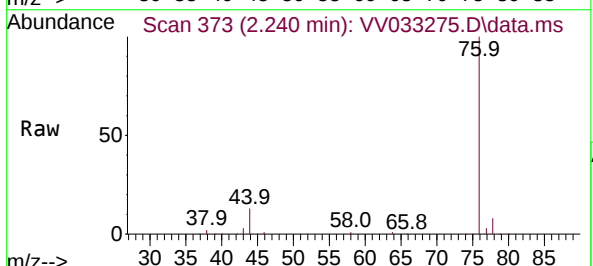
Acq: 13 Dec 2023 14:27

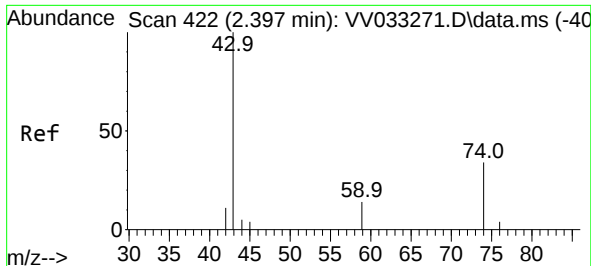
Tgt Ion: 76 Resp: 132204

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.0

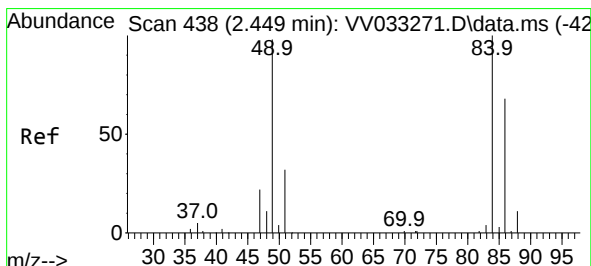
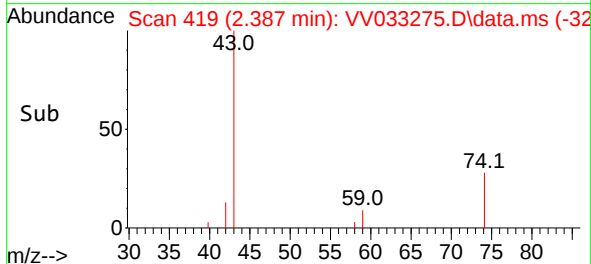
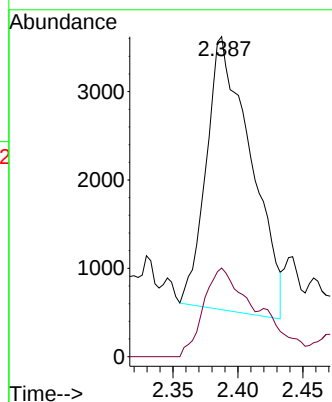
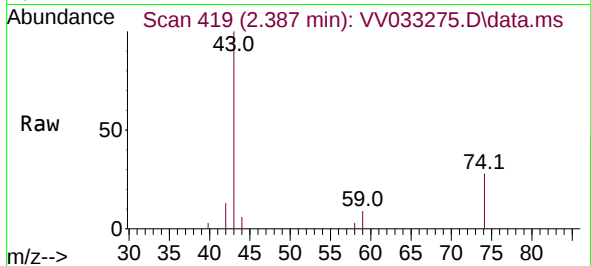




#15
Methyl Acetate
Concen: 3.592 ug/L
RT: 2.387 min Scan# 419
Delta R.T. -0.010 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

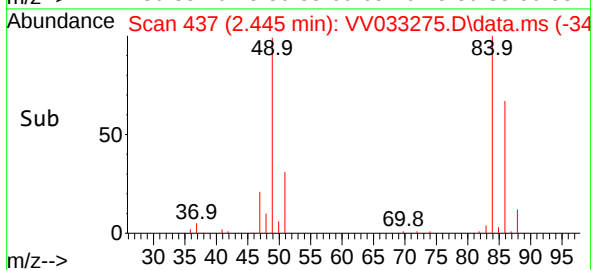
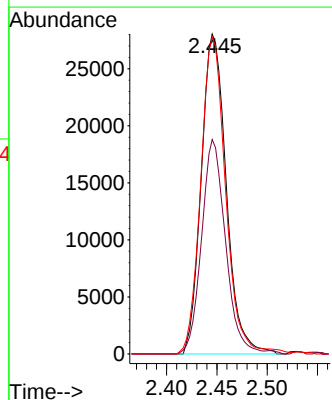
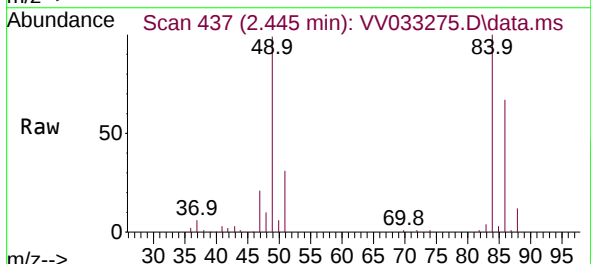
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

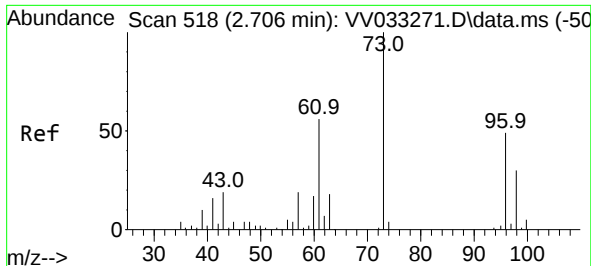
Tgt Ion: 43 Resp: 7372
Ion Ratio Lower Upper
43 100
74 30.7 21.0 31.6



#16
Methylene chloride
Concen: 5.081 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

Tgt Ion: 84 Resp: 48324
Ion Ratio Lower Upper
84 100
86 67.0 47.5 88.1
49 99.2 68.9 127.9





#17

Methyl tert-butyl Ether

Concen: 5.091 ug/L

RT: 2.706 min Scan# 518

Delta R.T. -0.000 min

Lab File: VV033275.D

Acq: 13 Dec 2023 14:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD005315

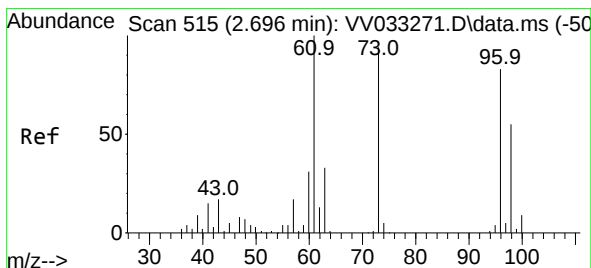
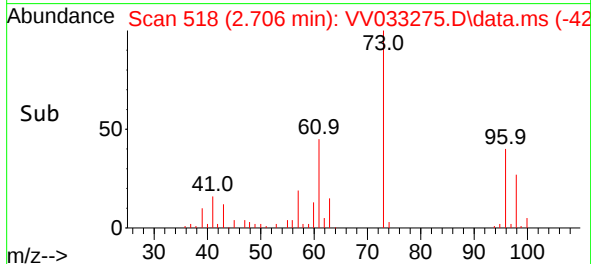
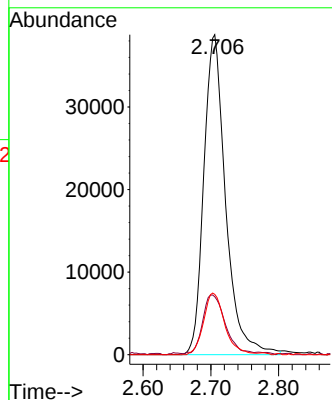
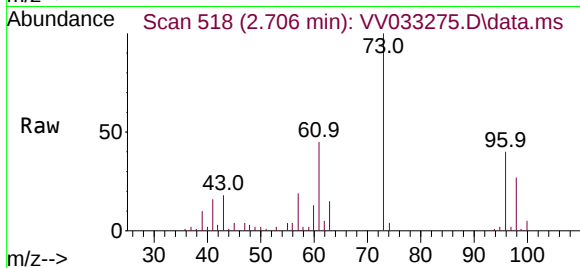
Tgt Ion: 73 Resp: 86569

Ion Ratio Lower Upper

73 100

43 18.9 16.0 24.0

57 18.7 15.6 23.4



#18

trans-1,2-Dichloroethene

Concen: 5.027 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.003 min

Lab File: VV033275.D

Acq: 13 Dec 2023 14:27

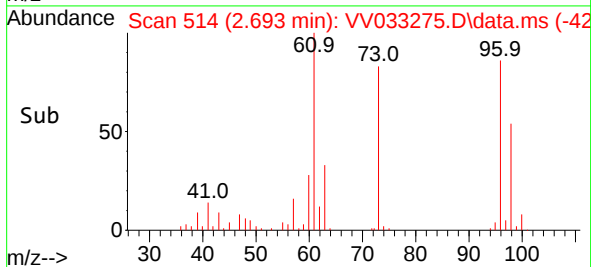
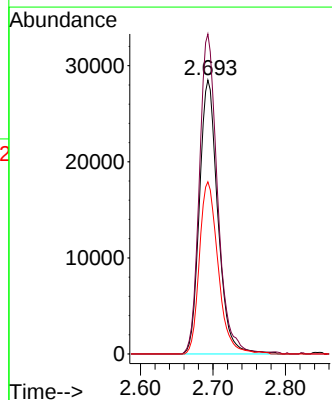
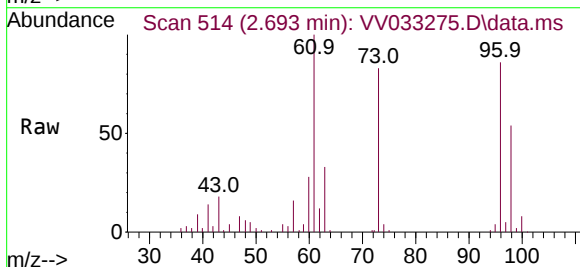
Tgt Ion: 96 Resp: 50257

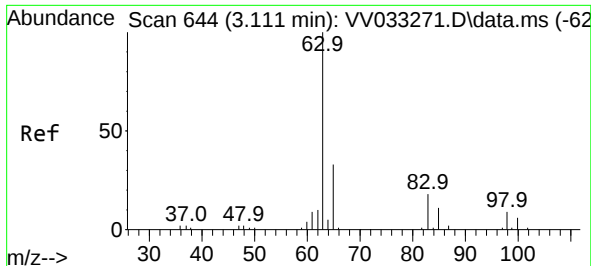
Ion Ratio Lower Upper

96 100

61 116.8 84.6 157.2

98 62.9 46.7 86.7





#19

1,1-Dichloroethane

Concen: 4.994 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV033275.D

Acq: 13 Dec 2023 14:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD005315

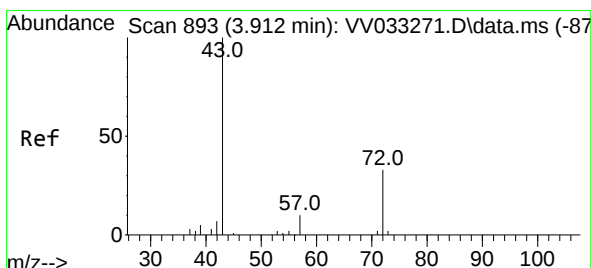
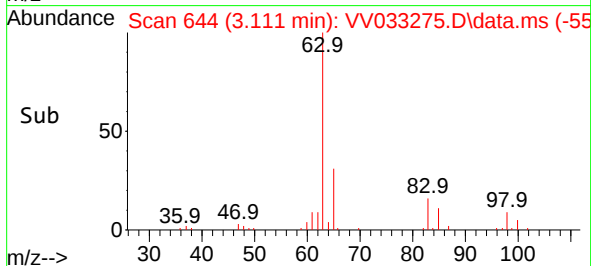
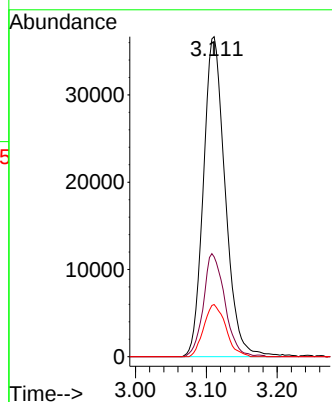
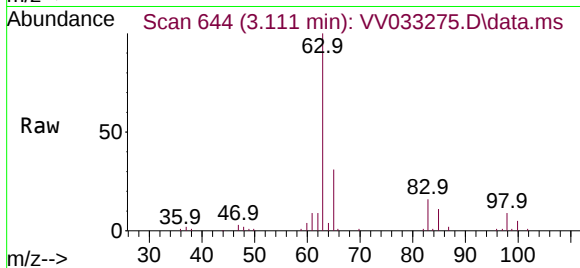
Tgt Ion: 63 Resp: 78352

Ion Ratio Lower Upper

63 100

65 31.9 22.9 42.5

83 16.3 12.6 23.4



#21

2-Butanone

Concen: 43.882 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.007 min

Lab File: VV033275.D

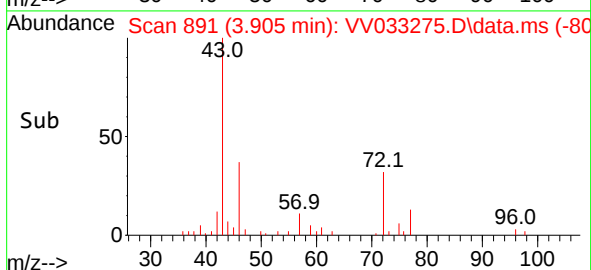
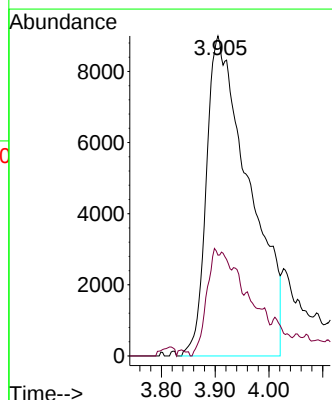
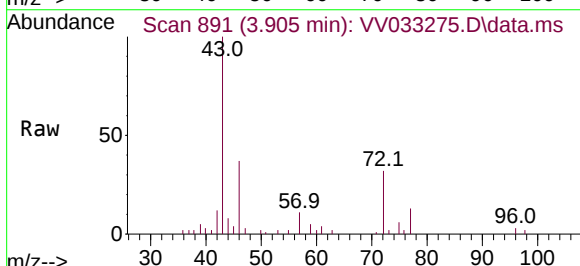
Acq: 13 Dec 2023 14:27

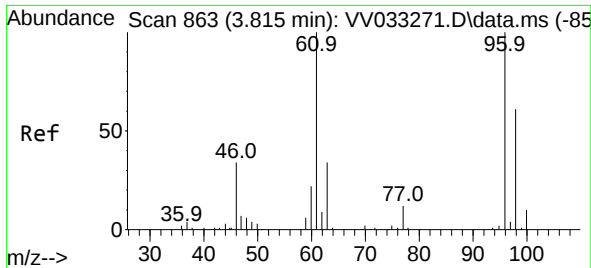
Tgt Ion: 43 Resp: 49506

Ion Ratio Lower Upper

43 100

72 10.2 14.8 44.3#

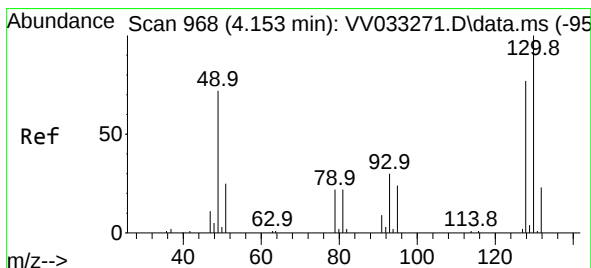
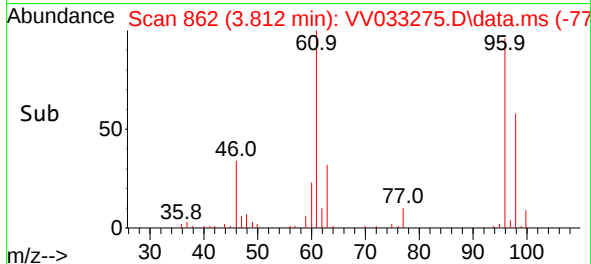
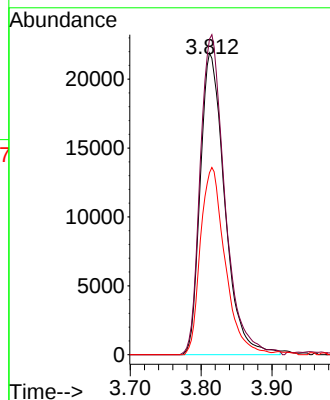
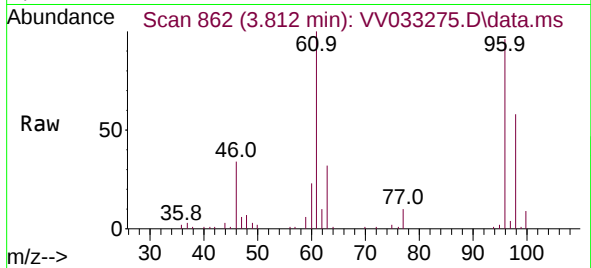




#22
 cis-1,2-Dichloroethene
 Concen: 5.079 ug/L
 RT: 3.812 min Scan# 862
 Delta R.T. -0.003 min
 Lab File: VV033275.D
 Acq: 13 Dec 2023 14:27

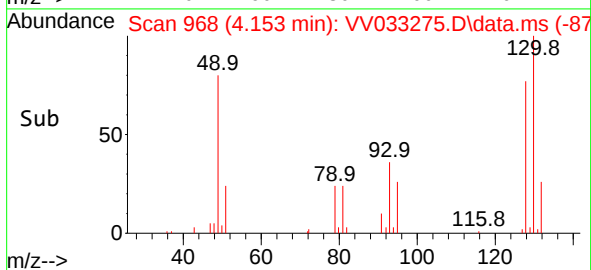
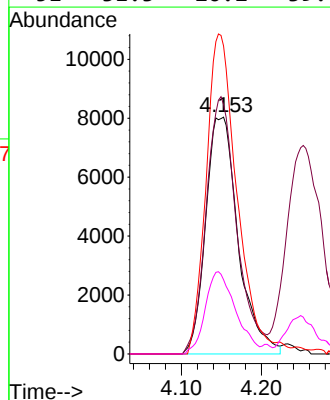
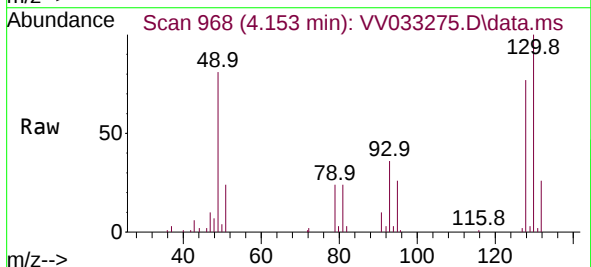
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005315

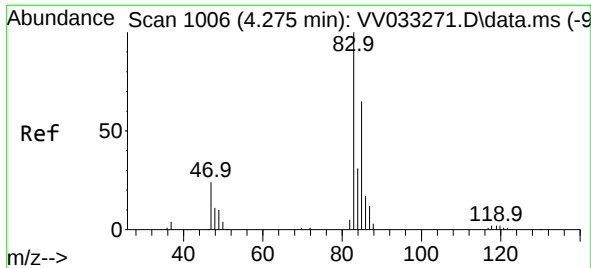
Tgt Ion: 96 Resp: 52457
 Ion Ratio Lower Upper
 96 100
 61 104.6 69.9 129.9
 98 60.3 42.4 78.8



#23
 Bromochloromethane
 Concen: 5.082 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. -0.000 min
 Lab File: VV033275.D
 Acq: 13 Dec 2023 14:27

Tgt Ion: 128 Resp: 22667
 Ion Ratio Lower Upper
 128 100
 49 105.3 65.8 122.2
 130 130.1 91.1 169.3
 51 31.3 26.2 39.4

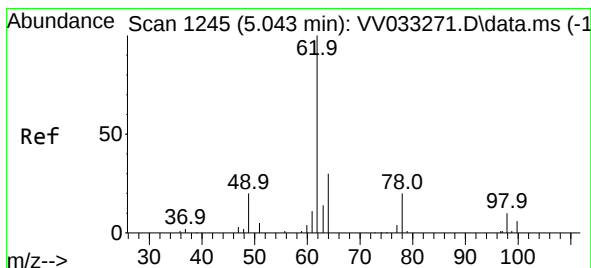
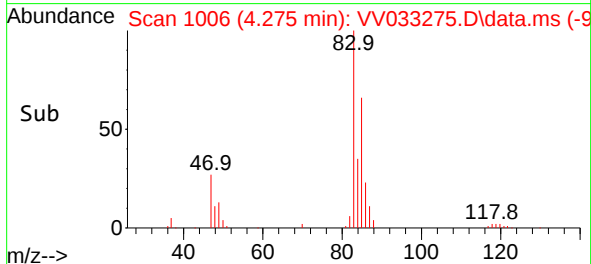
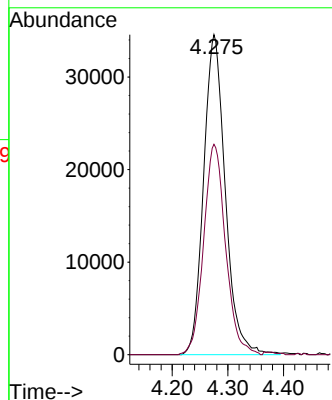
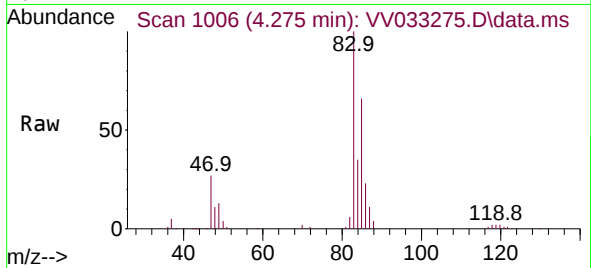




#25
Chloroform
Concen: 5.054 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. -0.000 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

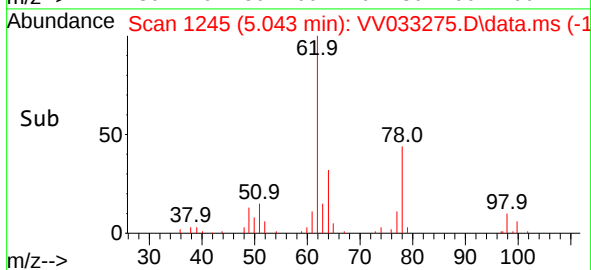
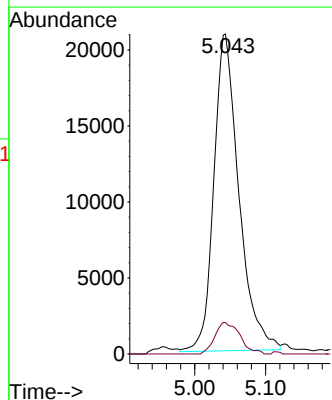
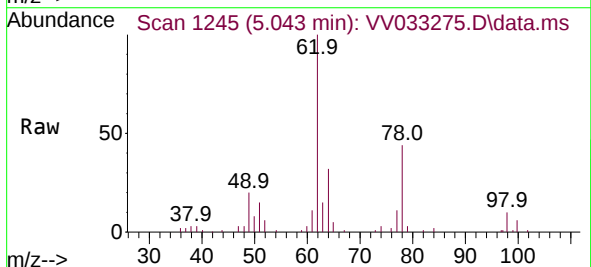
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

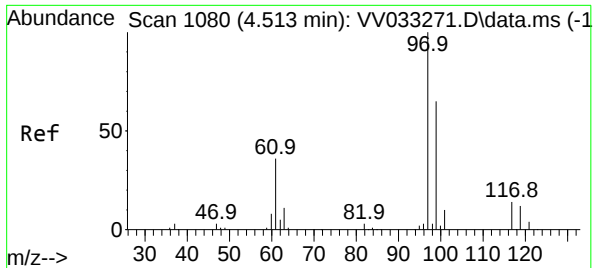
Tgt Ion: 83 Resp: 93488
Ion Ratio Lower Upper
83 100
85 65.8 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.036 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. -0.000 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

Tgt Ion: 62 Resp: 51136
Ion Ratio Lower Upper
62 100
98 9.8 8.2 12.4

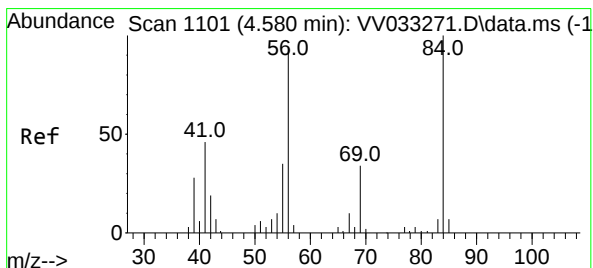
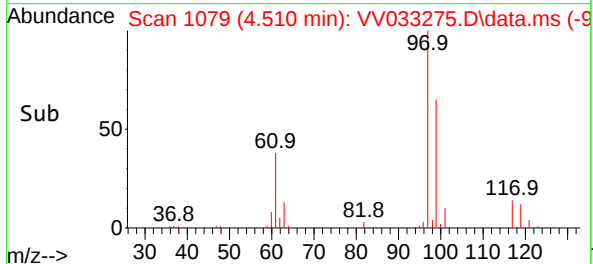
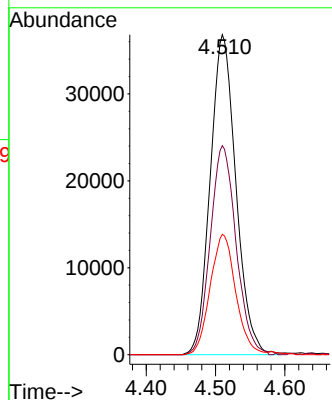
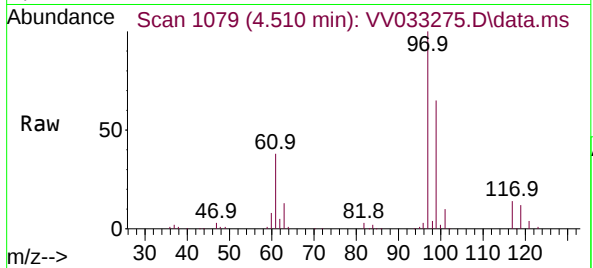




#29
1,1,1-Trichloroethane
Concen: 4.890 ug/L
RT: 4.510 min Scan# 1080
Delta R.T. -0.003 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

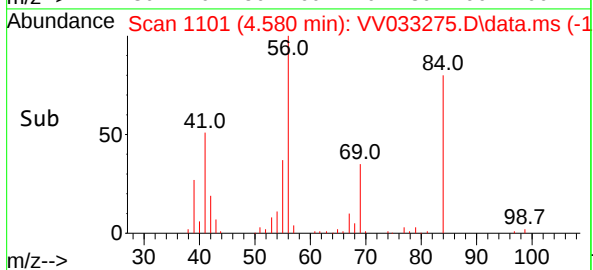
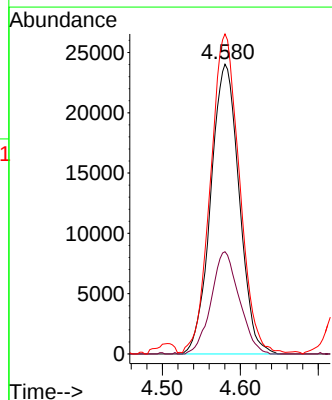
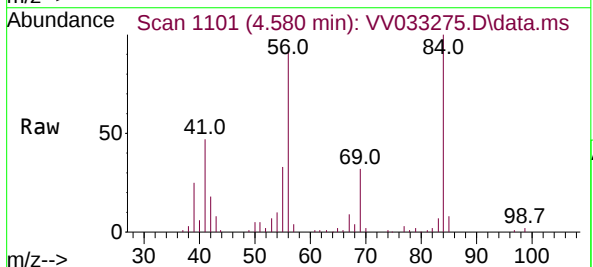
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

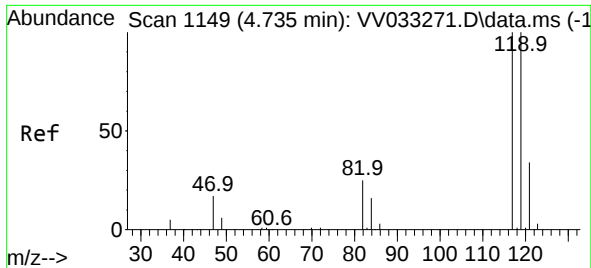
Tgt Ion:	97	Resp:	94982
Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.8	79.2
61	37.4	30.3	45.5



#30
Cyclohexane
Concen: 4.906 ug/L
RT: 4.580 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

Tgt Ion:	56	Resp:	60807
Ion	Ratio	Lower	Upper
56	100		
69	34.9	28.8	43.2
84	112.0	86.2	129.4

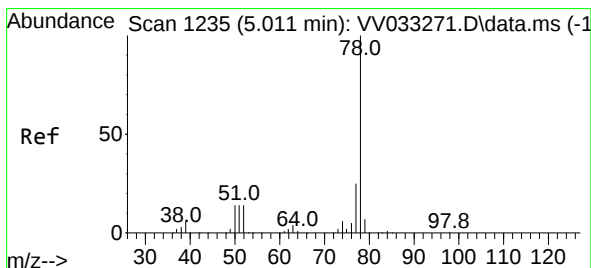
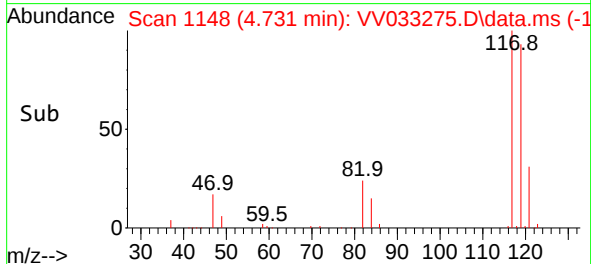
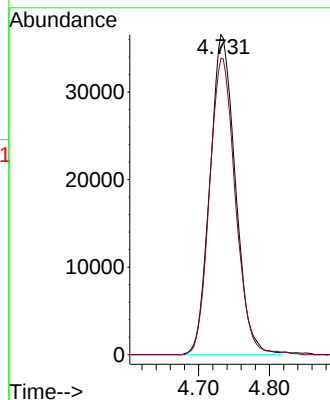
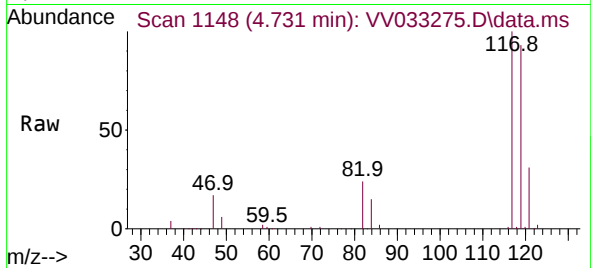




#31
Carbon tetrachloride
Concen: 5.012 ug/L
RT: 4.731 min Scan# 1149
Delta R.T. -0.003 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

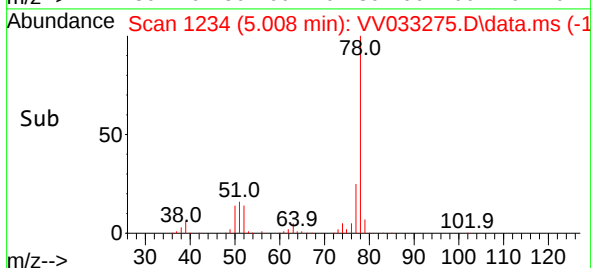
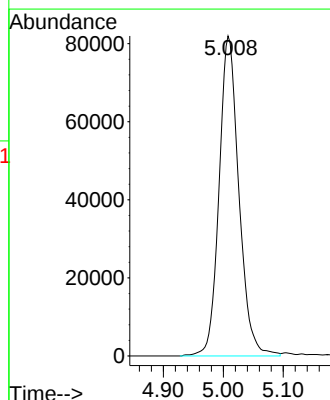
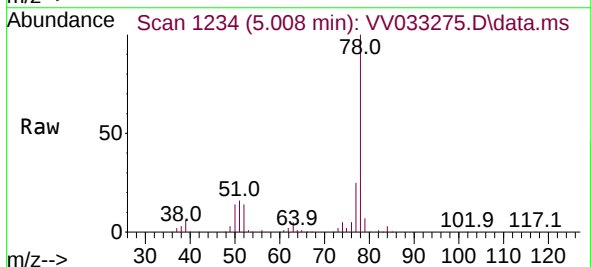
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

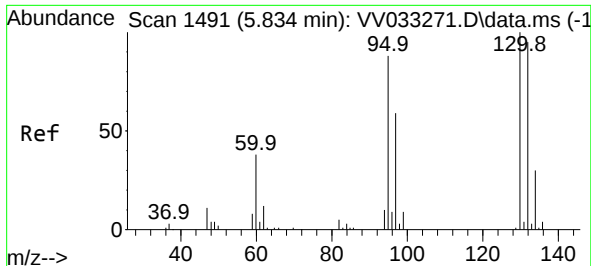
Tgt Ion:117 Resp: 90951
Ion Ratio Lower Upper
117 100
119 94.3 77.8 116.8



#33
Benzene
Concen: 4.999 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.003 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

Tgt Ion: 78 Resp: 187632



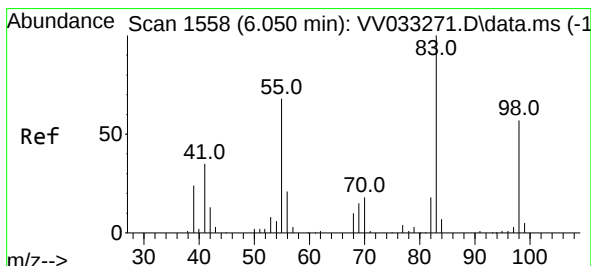
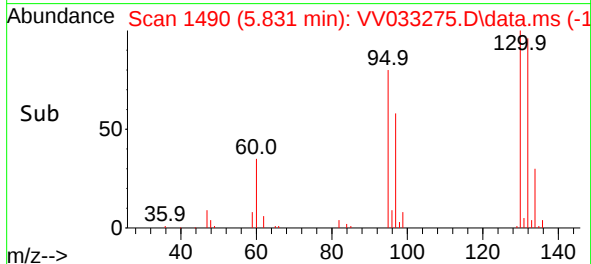
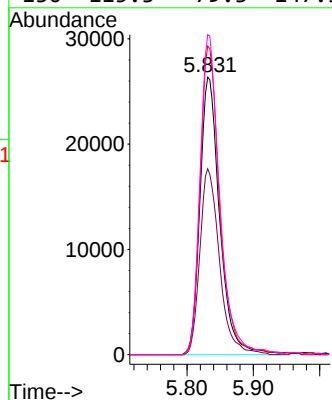
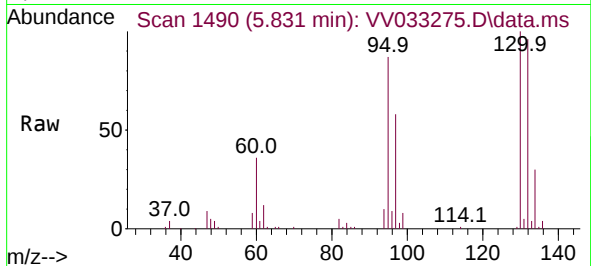


#34
Trichloroethene
Concen: 4.987 ug/L
RT: 5.831 min Scan# 1491
Delta R.T. -0.003 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

Tgt Ion: 95 Resp: 54573

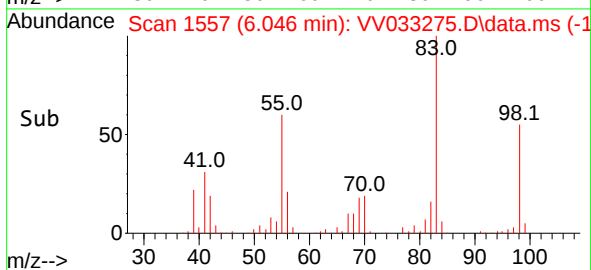
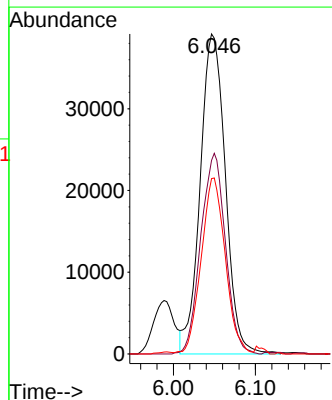
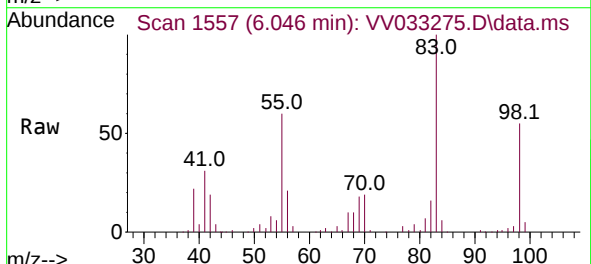
Ion	Ratio	Lower	Upper
95	100		
97	67.0	46.5	86.5
132	111.2	75.1	139.5
130	115.3	79.3	147.3

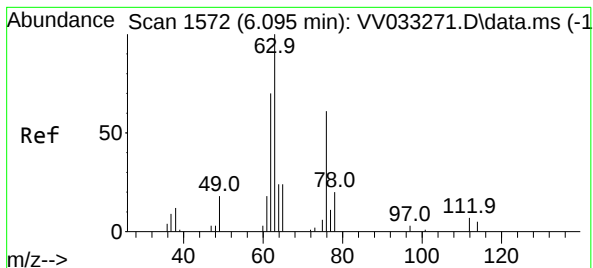


#35
Methylcyclohexane
Concen: 5.155 ug/L
RT: 6.046 min Scan# 1557
Delta R.T. -0.003 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

Tgt Ion: 83 Resp: 83563

Ion	Ratio	Lower	Upper
83	100		
55	61.3	50.7	76.1
98	51.9	42.4	63.6





#37

1,2-Dichloropropane

Concen: 5.013 ug/L

RT: 6.091 min Scan# 1571

Delta R.T. -0.003 min

Lab File: VV033275.D

Acq: 13 Dec 2023 14:27

Instrument :

MSVOA_V

ClientSampleId :

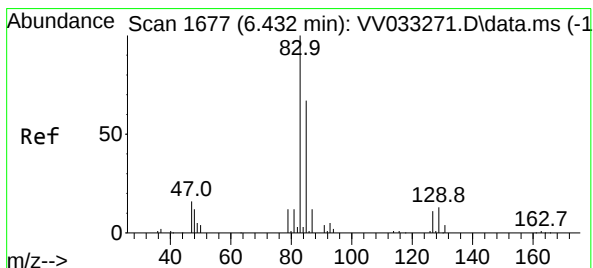
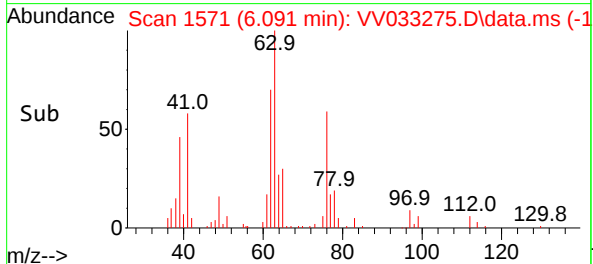
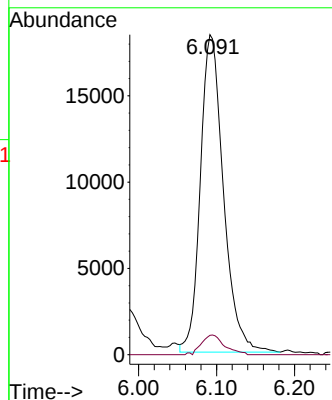
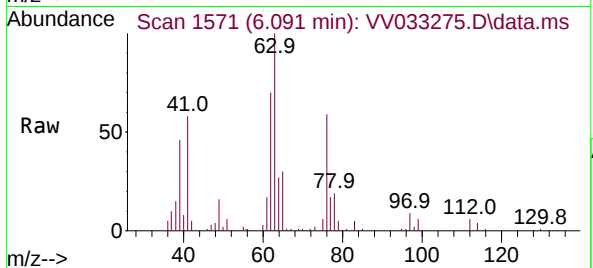
VSTD005315

Tgt Ion: 63 Resp: 37846

Ion Ratio Lower Upper

63 100

112 6.2 5.0 7.6



#38

Bromodichloromethane

Concen: 5.046 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VV033275.D

Acq: 13 Dec 2023 14:27

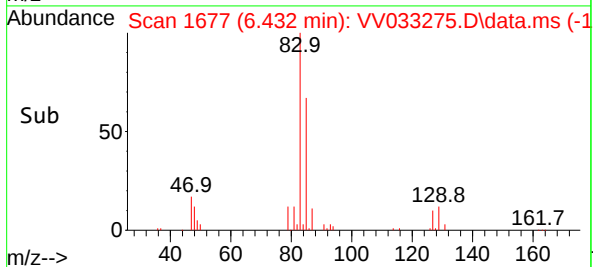
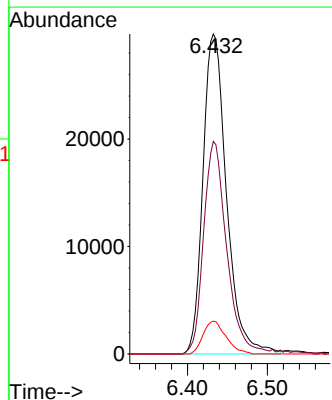
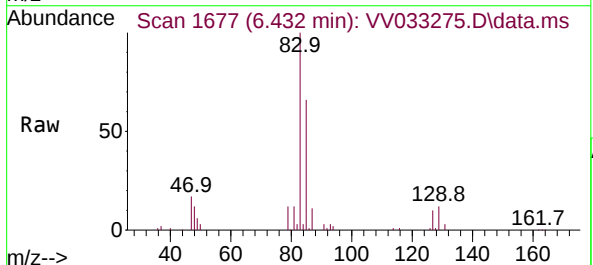
Tgt Ion: 83 Resp: 61140

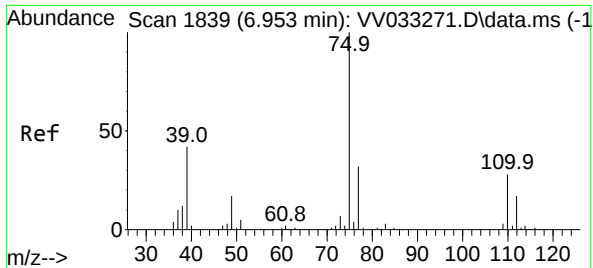
Ion Ratio Lower Upper

83 100

85 66.4 46.6 86.6

127 10.2 8.6 13.0





#39

cis-1,3-Dichloropropene

Concen: 5.163 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. -0.000 min

Lab File: VV033275.D

Acq: 13 Dec 2023 14:27

Instrument :

MSVOA_V

ClientSampleId :

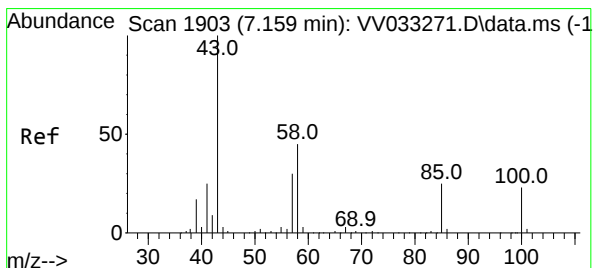
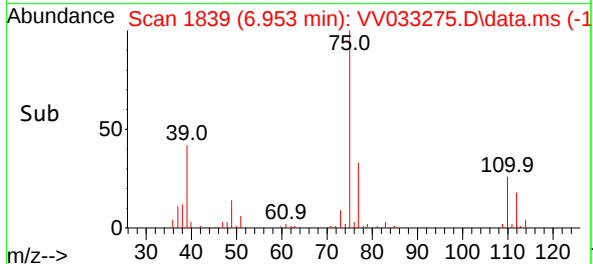
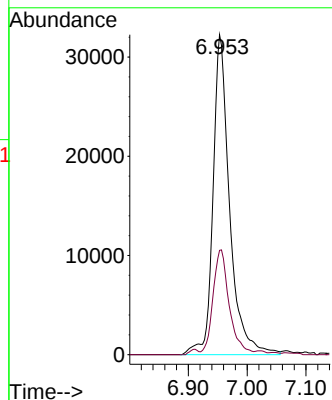
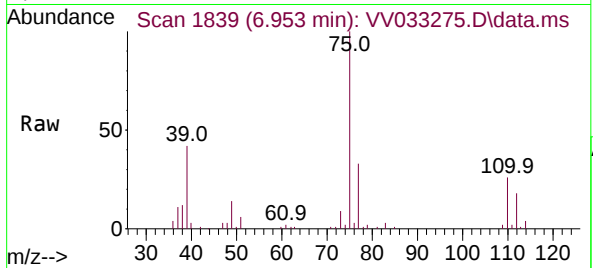
VSTD005315

Tgt Ion: 75 Resp: 63304

Ion Ratio Lower Upper

75 100

77 32.6 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 54.574 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV033275.D

Acq: 13 Dec 2023 14:27

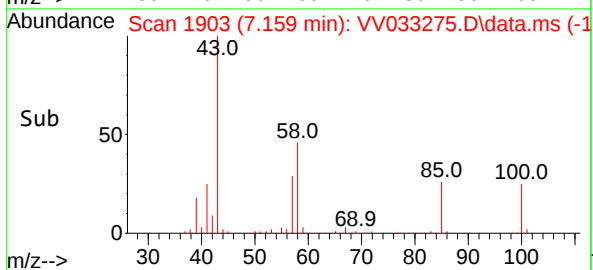
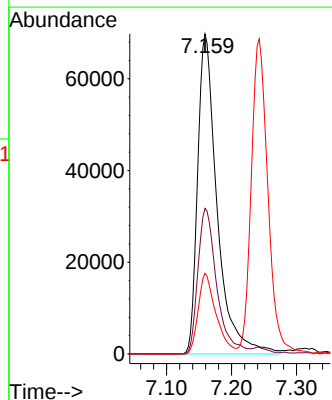
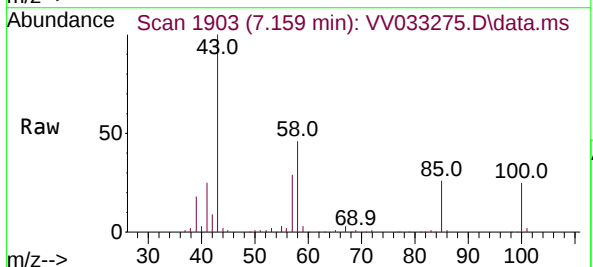
Tgt Ion: 43 Resp: 145791

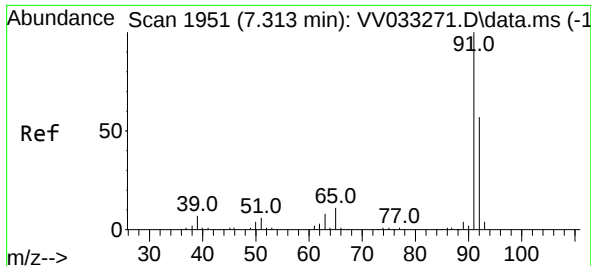
Ion Ratio Lower Upper

43 100

58 44.2 36.2 54.2

100 23.0 18.8 28.2





#42

Toluene

Concen: 5.128 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV033275.D

Acq: 13 Dec 2023 14:27

Instrument :

MSVOA_V

ClientSampleId :

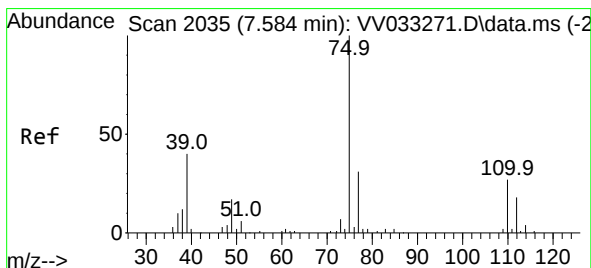
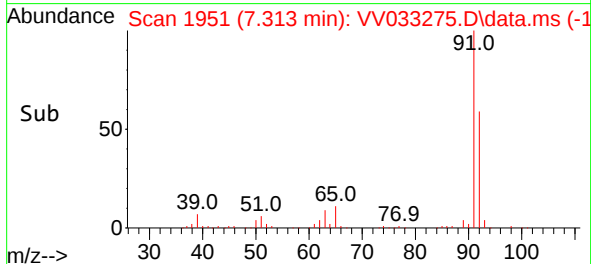
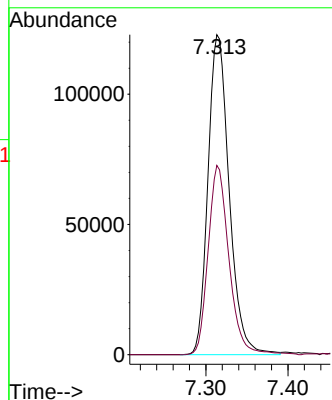
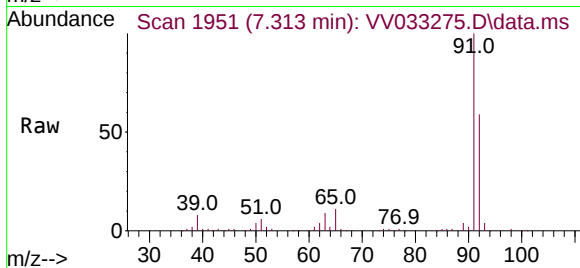
VSTD005315

Tgt Ion: 91 Resp: 220451

Ion Ratio Lower Upper

91 100

92 59.1 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 4.998 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.003 min

Lab File: VV033275.D

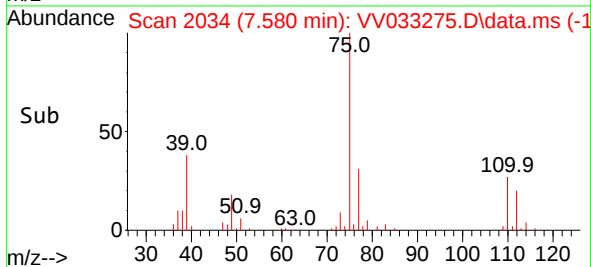
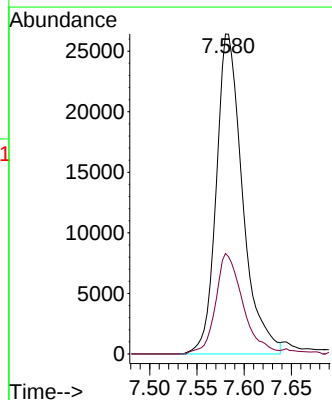
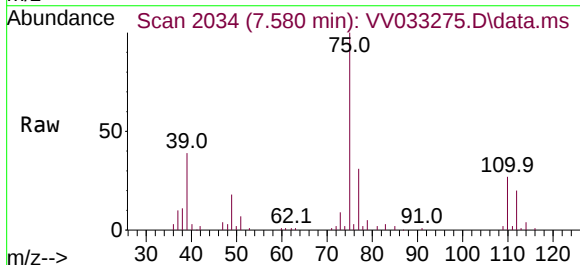
Acq: 13 Dec 2023 14:27

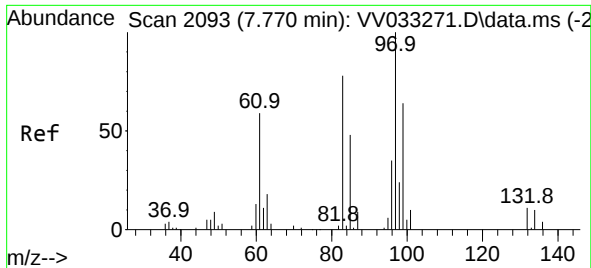
Tgt Ion: 75 Resp: 51084

Ion Ratio Lower Upper

75 100

77 31.4 21.7 40.3



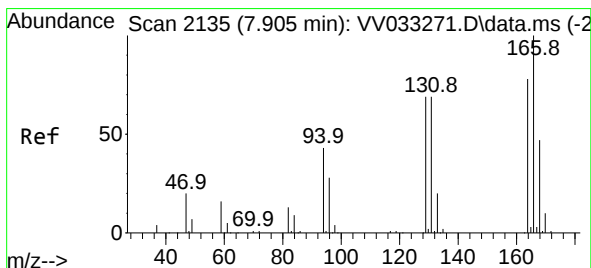
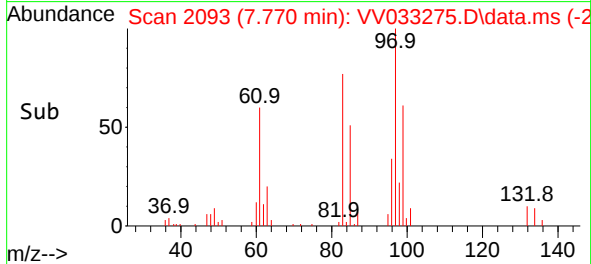
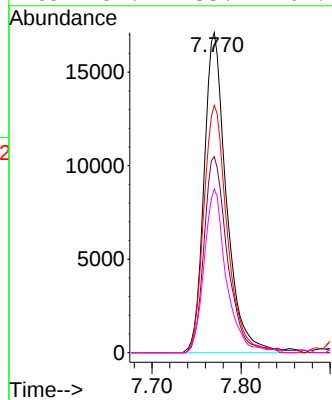
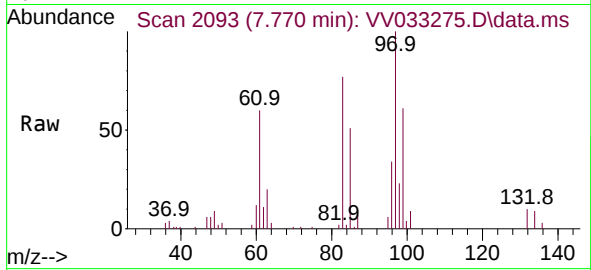


#45
1,1,2-Trichloroethane
Concen: 5.123 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. -0.000 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

Tgt Ion: 97 Resp: 29788

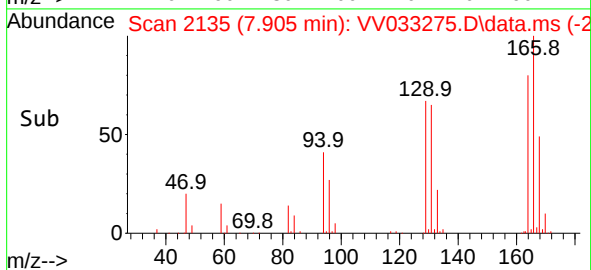
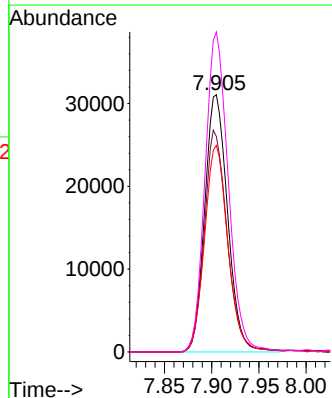
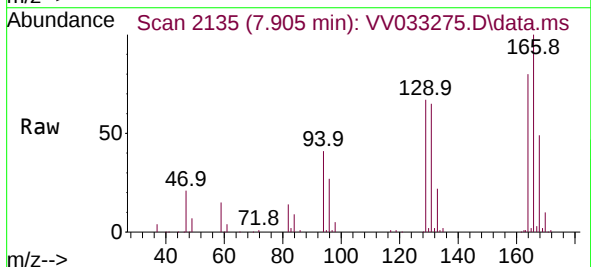
Ion	Ratio	Lower	Upper
97	100		
99	61.3	44.5	82.7
83	77.3	54.7	101.5
85	51.1	33.7	62.7

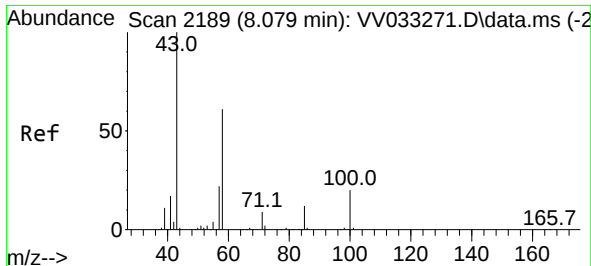


#47
Tetrachloroethene
Concen: 5.077 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

Tgt Ion: 164 Resp: 52603

Ion	Ratio	Lower	Upper
164	100		
129	83.8	62.6	116.3
131	80.3	62.6	116.3
166	124.4	90.2	167.6



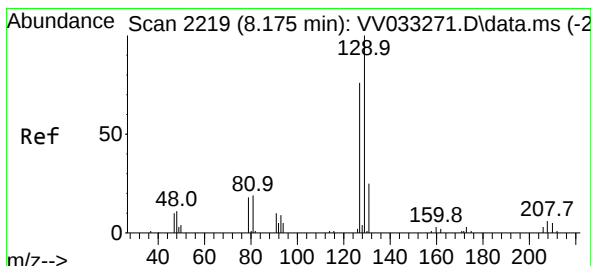
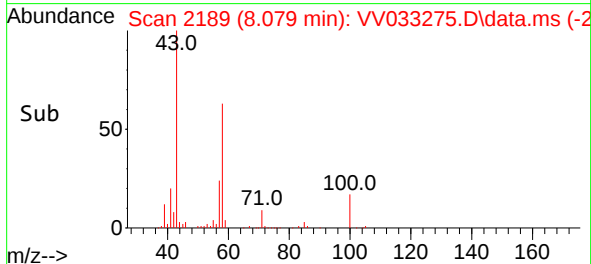
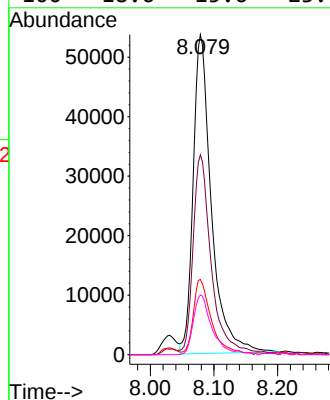
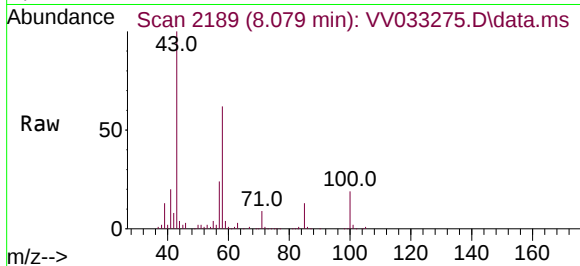


#48
2-Hexanone
Concen: 55.515 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

Tgt Ion: 43 Resp: 106890

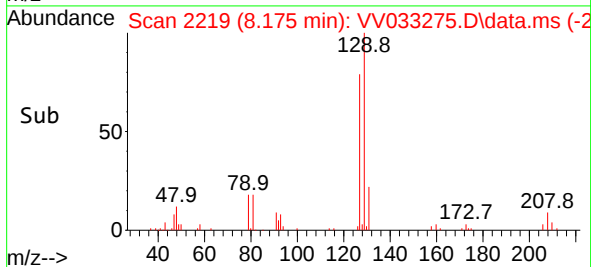
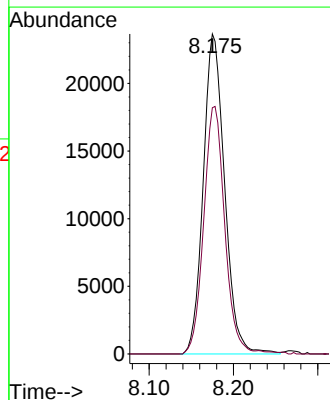
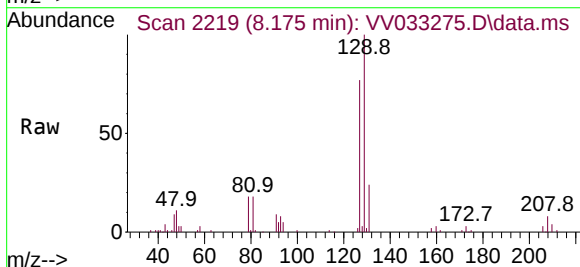
Ion	Ratio	Lower	Upper
43	100		
58	61.7	48.6	72.8
57	23.5	18.1	27.1
100	18.6	15.6	23.4

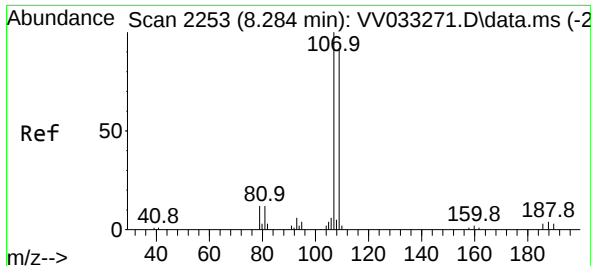


#49
Dibromochloromethane
Concen: 5.129 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

Tgt Ion: 129 Resp: 41831

Ion	Ratio	Lower	Upper
129	100		
127	76.9	53.2	98.8





#50

1,2-Dibromoethane

Concen: 5.245 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV033275.D

Acq: 13 Dec 2023 14:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD005315

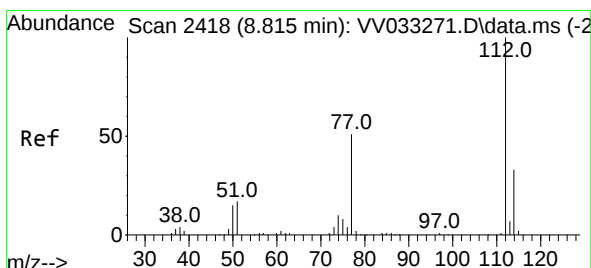
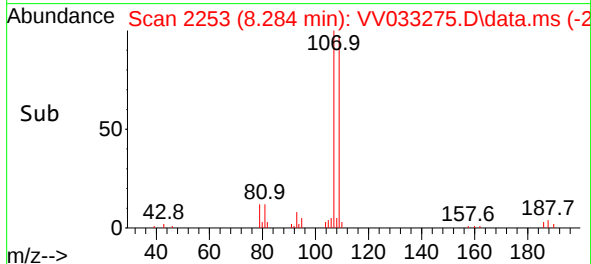
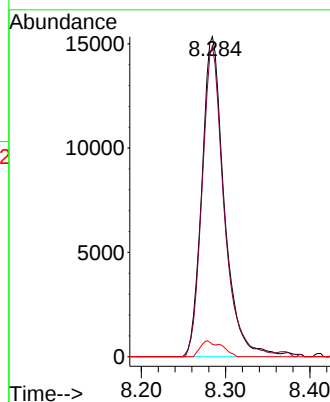
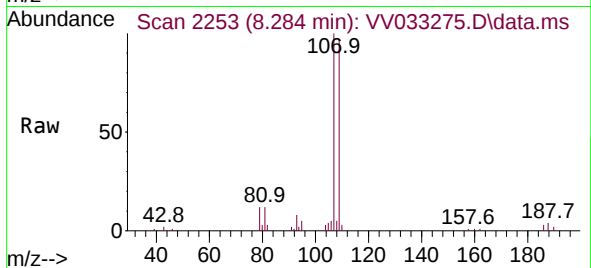
Tgt Ion:107 Resp: 28320

Ion Ratio Lower Upper

107 100

109 97.2 64.2 119.2

188 3.9 3.4 5.2



#51

Chlorobenzene

Concen: 4.906 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. -0.000 min

Lab File: VV033275.D

Acq: 13 Dec 2023 14:27

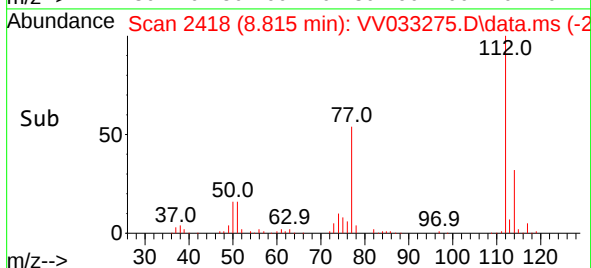
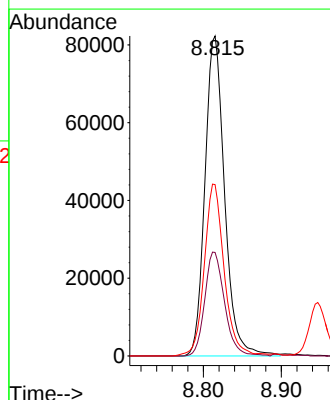
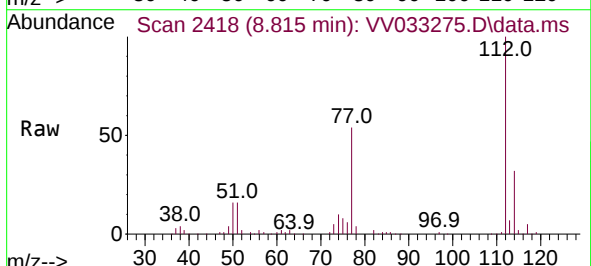
Tgt Ion:112 Resp: 144449

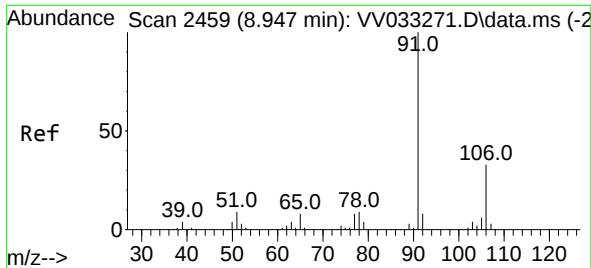
Ion Ratio Lower Upper

112 100

114 32.4 22.8 42.4

77 53.6 41.3 61.9

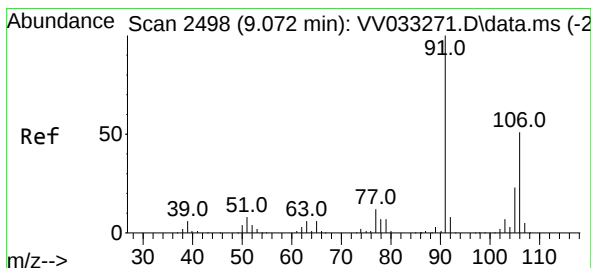
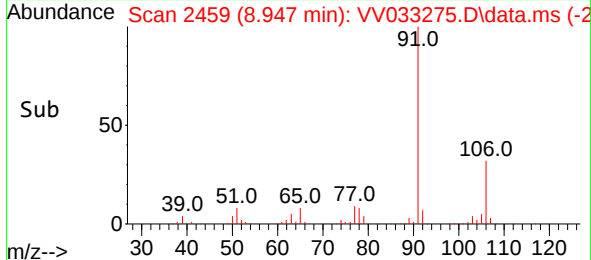
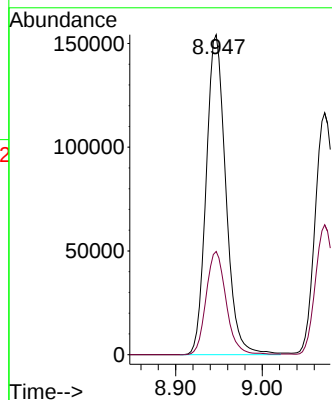
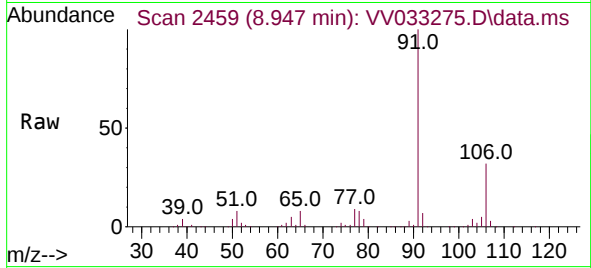




#52
Ethylbenzene
Concen: 5.041 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. -0.000 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

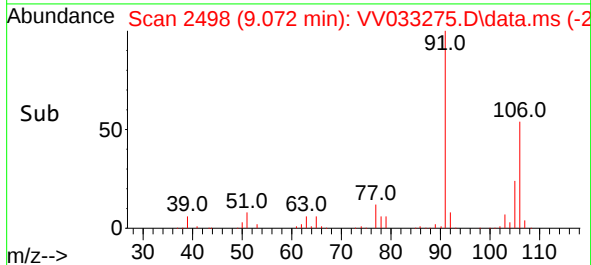
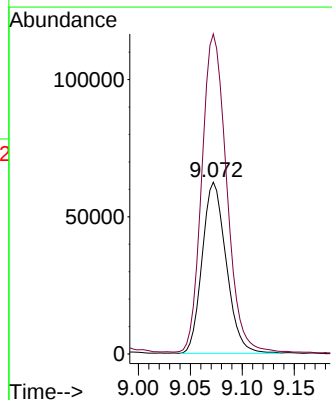
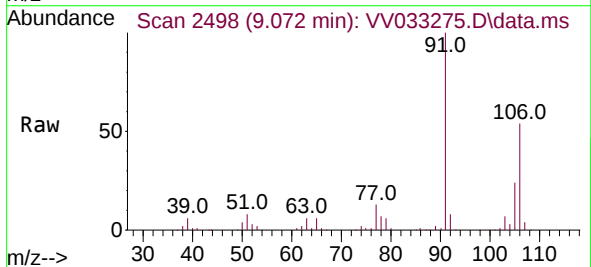
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

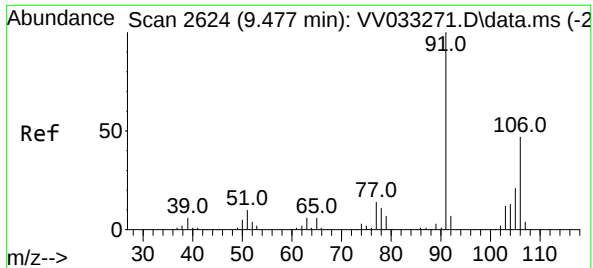
Tgt Ion: 91 Resp: 242800
Ion Ratio Lower Upper
91 100
106 32.3 22.7 42.3



#53
m,p-Xylene
Concen: 5.065 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

Tgt Ion: 106 Resp: 100404
Ion Ratio Lower Upper
106 100
91 186.2 136.8 254.0

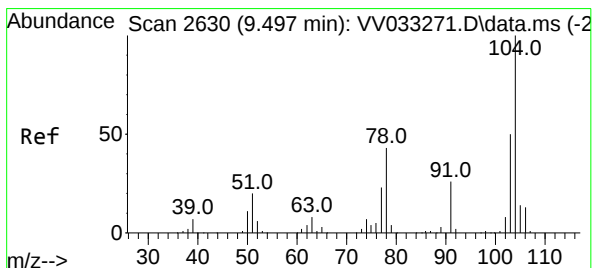
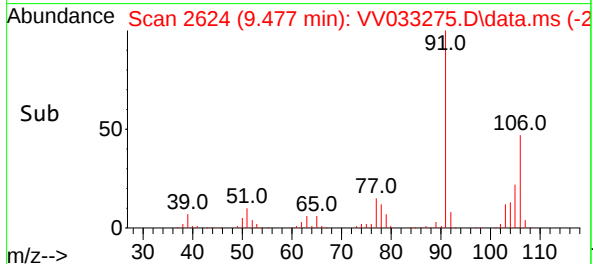
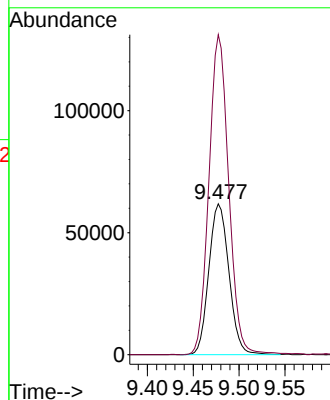
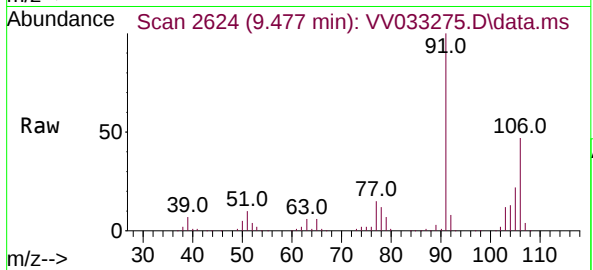




#54
o-Xylene
Concen: 5.030 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

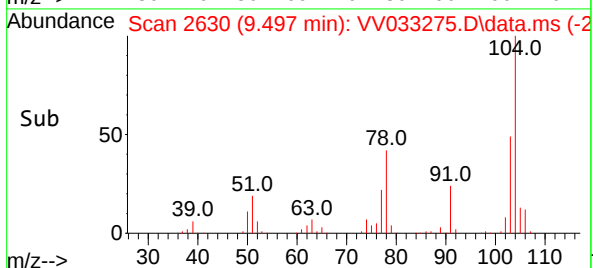
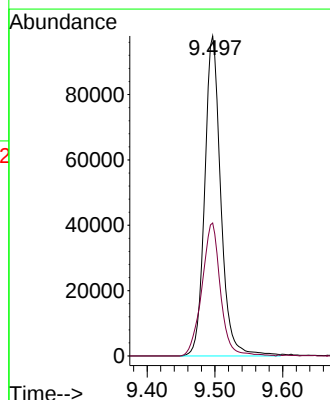
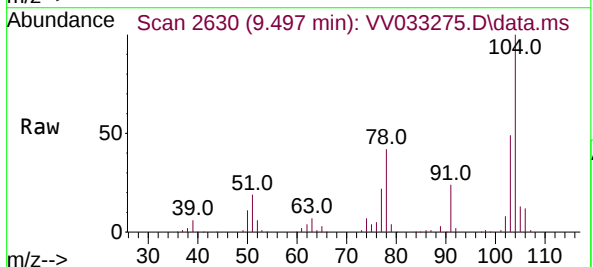
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

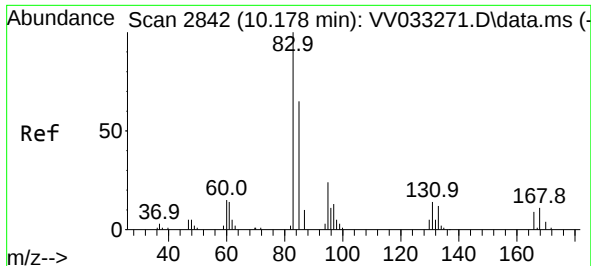
Tgt Ion:106 Resp: 94439
Ion Ratio Lower Upper
106 100
91 212.1 149.9 278.5



#55
Styrene
Concen: 5.253 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. -0.000 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

Tgt Ion:104 Resp: 161805
Ion Ratio Lower Upper
104 100
78 41.6 29.9 55.5





#57

1,1,2,2-Tetrachloroethane

Concen: 4.690 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. -0.000 min

Lab File: VV033275.D

Acq: 13 Dec 2023 14:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD005315

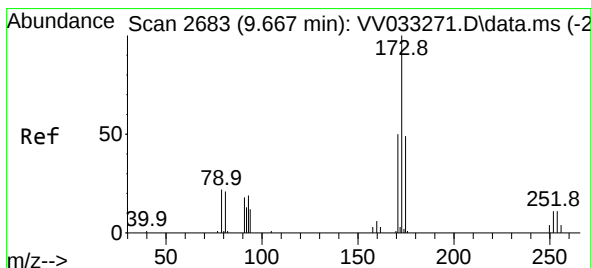
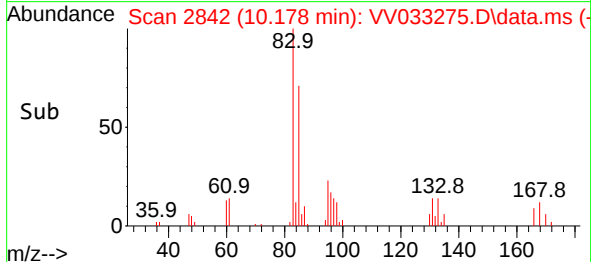
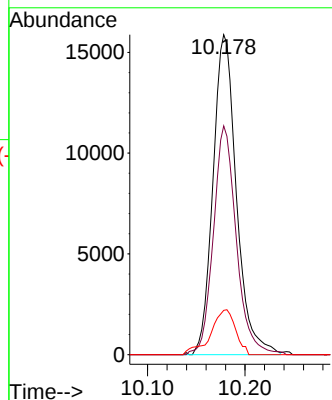
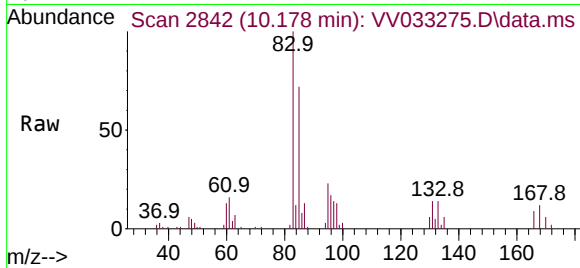
Tgt Ion: 83 Resp: 26573

Ion Ratio Lower Upper

83 100

85 71.5 45.4 84.4

131 13.9 11.5 17.3



#59

Bromoform

Concen: 5.009 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. -0.000 min

Lab File: VV033275.D

Acq: 13 Dec 2023 14:27

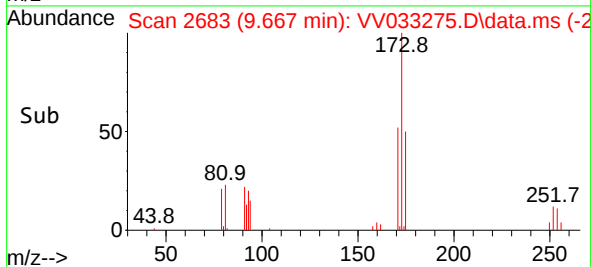
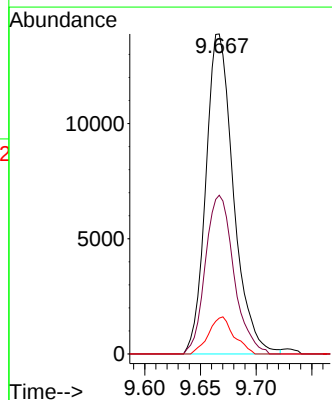
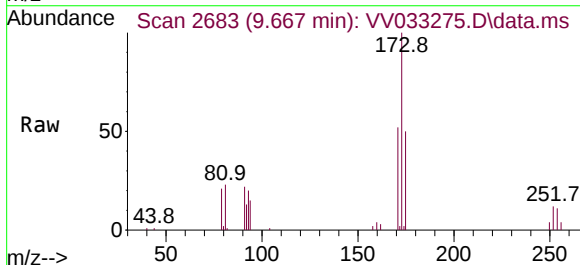
Tgt Ion: 173 Resp: 23953

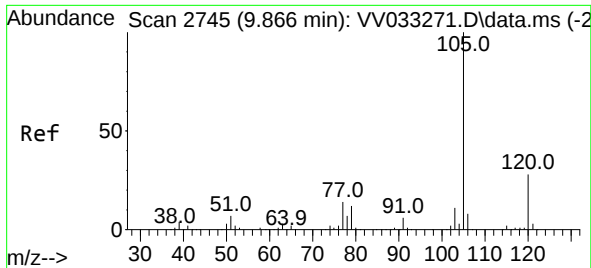
Ion Ratio Lower Upper

173 100

175 51.1 37.0 55.4

254 10.6 8.5 12.7

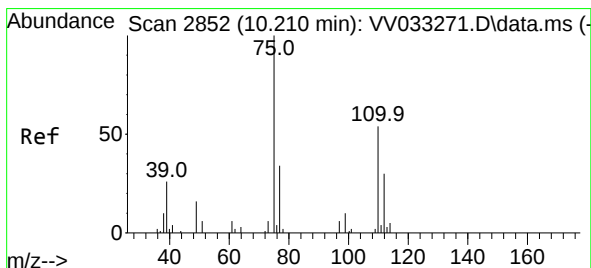
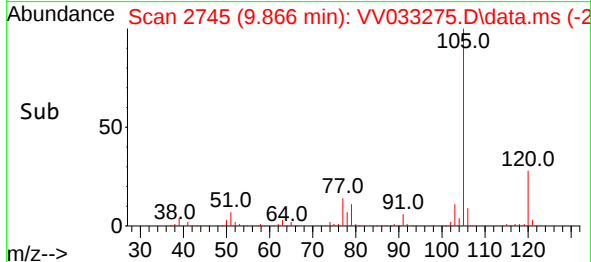
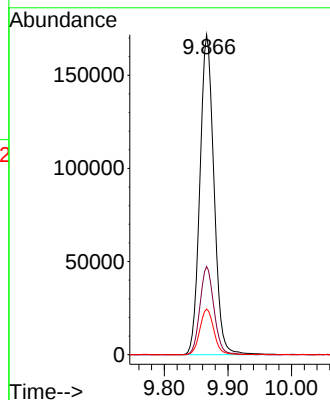
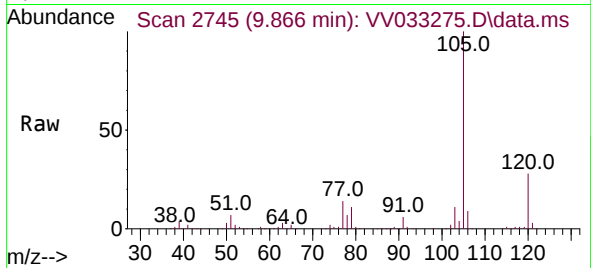




#60
Isopropylbenzene
Concen: 5.109 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

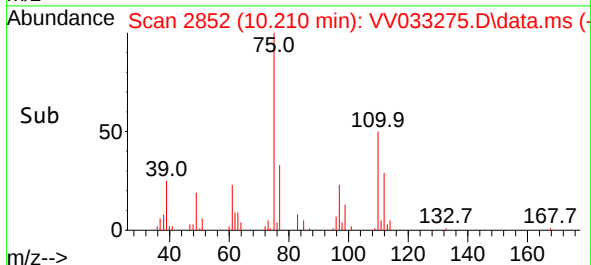
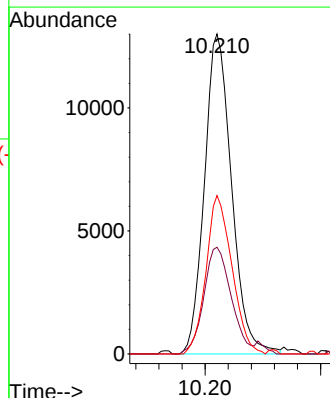
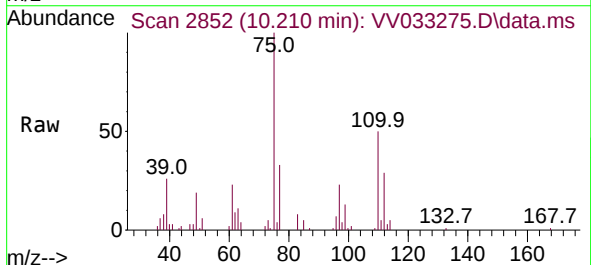
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

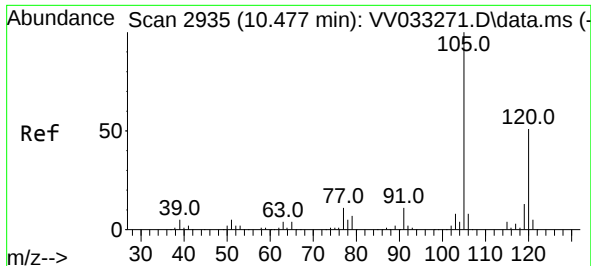
Tgt Ion:105 Resp: 263434
Ion Ratio Lower Upper
105 100
120 27.5 22.2 33.4
77 14.3 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 5.142 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. -0.000 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

Tgt Ion: 75 Resp: 21215
Ion Ratio Lower Upper
75 100
77 33.8 27.4 41.2
110 47.3 39.4 59.2





#62

1,3,5-Trimethylbenzene

Concen: 5.079 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VV033275.D

Acq: 13 Dec 2023 14:27

Instrument :

MSVOA_V

ClientSampleId :

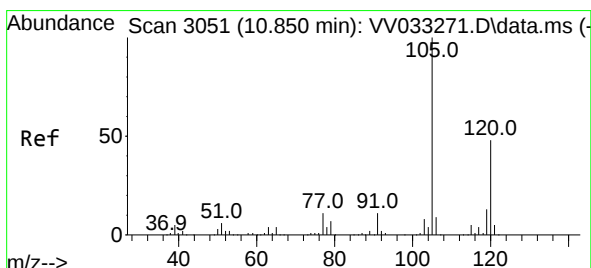
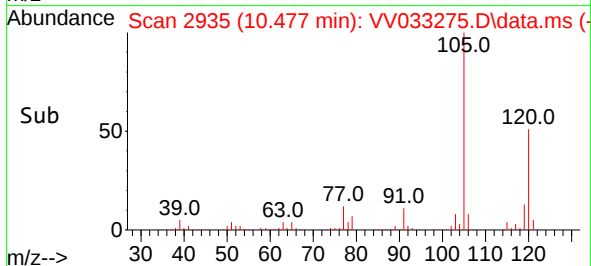
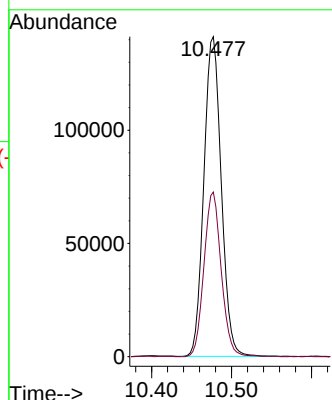
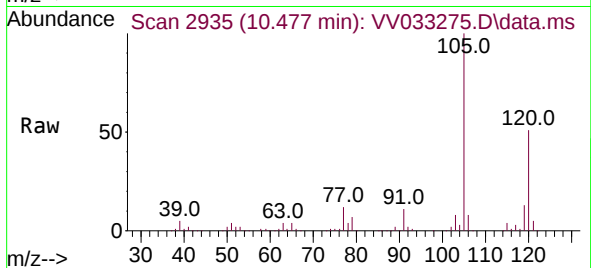
VSTD005315

Tgt Ion:105 Resp: 214199

Ion Ratio Lower Upper

105 100

120 51.1 41.7 62.5



#63

1,2,4-Trimethylbenzene

Concen: 5.288 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV033275.D

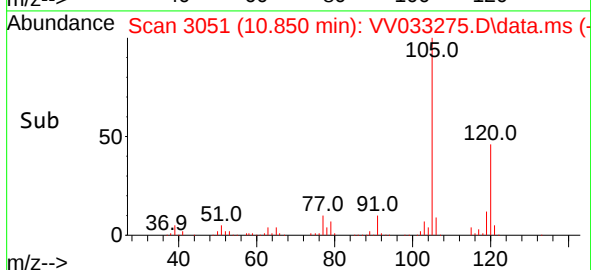
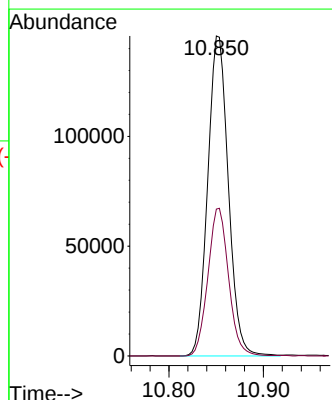
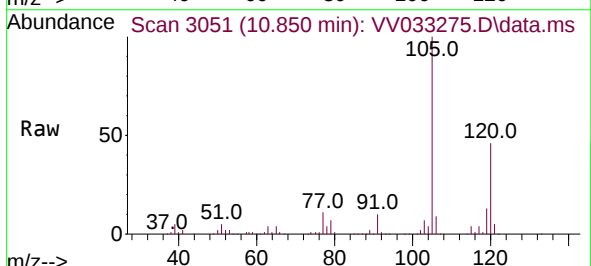
Acq: 13 Dec 2023 14:27

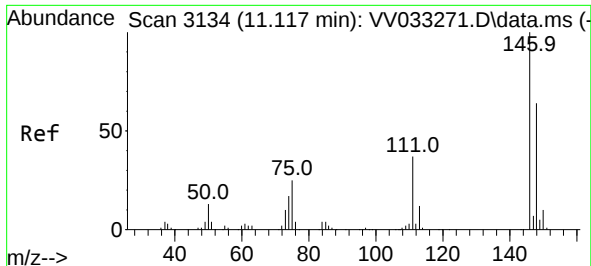
Tgt Ion:105 Resp: 220608

Ion Ratio Lower Upper

105 100

120 46.3 38.1 57.1

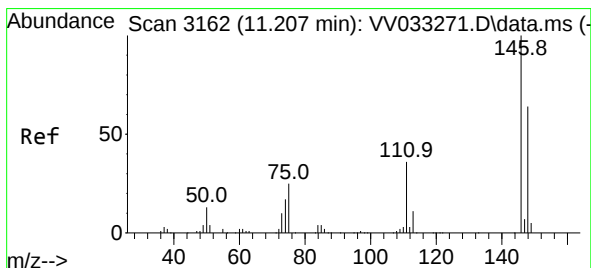
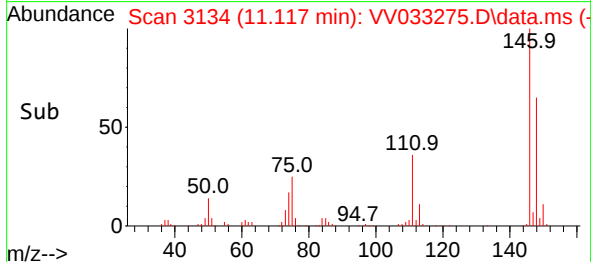
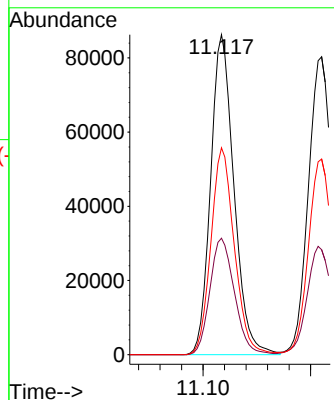
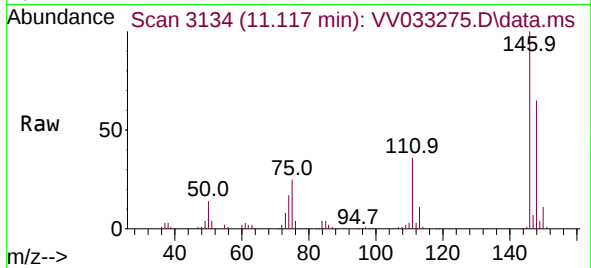




#64
1,3-Dichlorobenzene
Concen: 4.947 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. -0.000 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

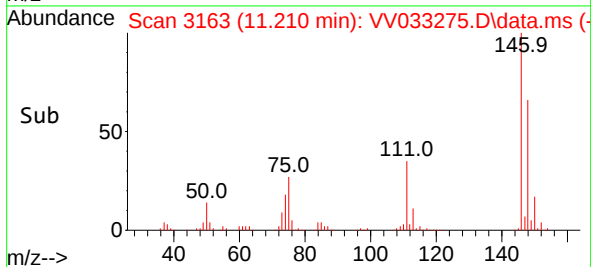
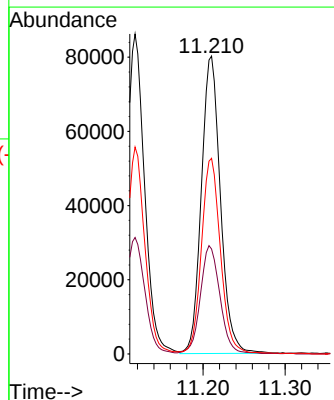
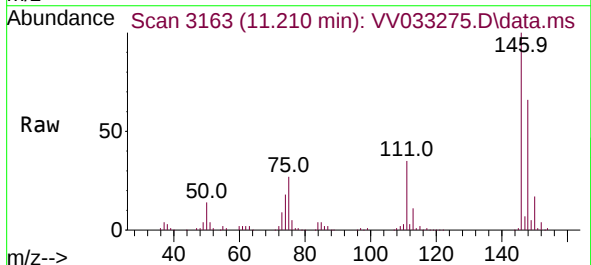
Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

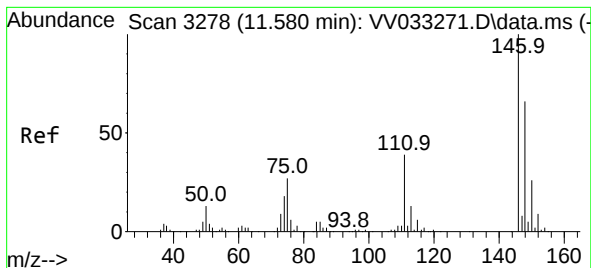
Tgt Ion:146 Resp: 129833
Ion Ratio Lower Upper
146 100
111 36.4 26.0 48.2
148 64.7 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.963 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

Tgt Ion:146 Resp: 129578
Ion Ratio Lower Upper
146 100
111 35.2 25.6 47.4
148 65.7 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 4.945 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033275.D

Acq: 13 Dec 2023 14:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD005315

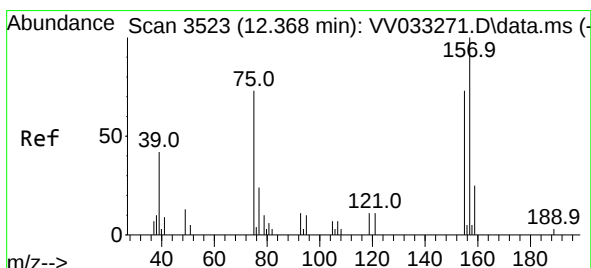
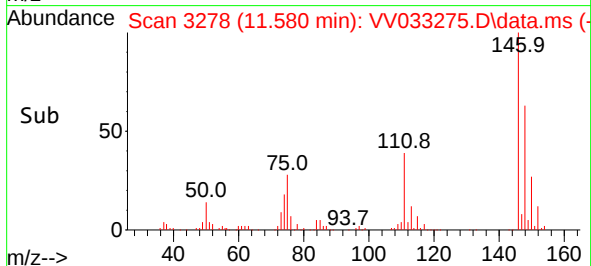
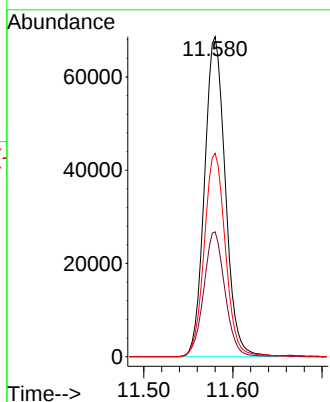
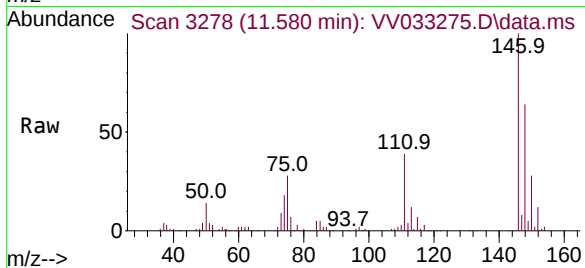
Tgt Ion:146 Resp: 111563

Ion Ratio Lower Upper

146 100

111 39.0 31.0 46.4

148 63.6 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.687 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV033275.D

Acq: 13 Dec 2023 14:27

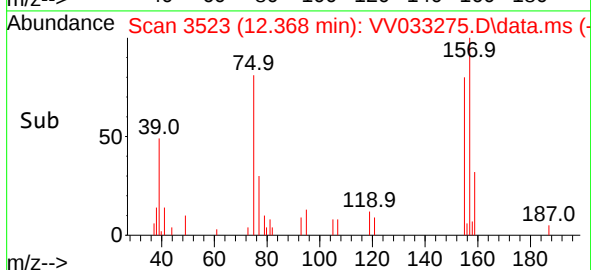
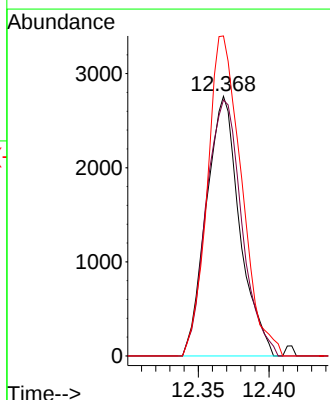
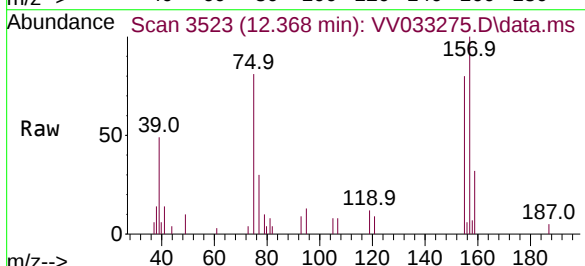
Tgt Ion: 75 Resp: 4522

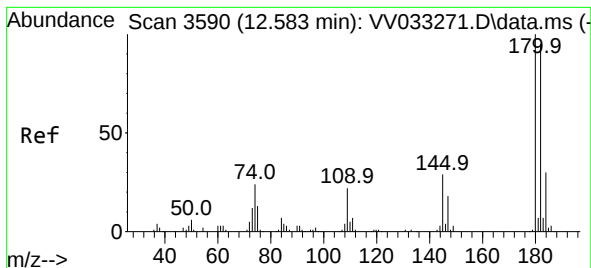
Ion Ratio Lower Upper

75 100

155 98.6 79.8 119.8

157 123.2 110.2 165.2





#69

1,3,5-Trichlorobenzene

Concen: 4.971 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. -0.000 min

Lab File: VV033275.D

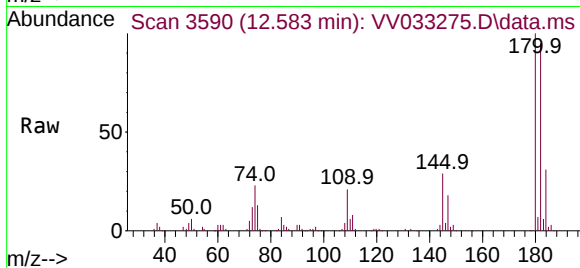
Acq: 13 Dec 2023 14:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD005315



Tgt Ion:180 Resp: 104137

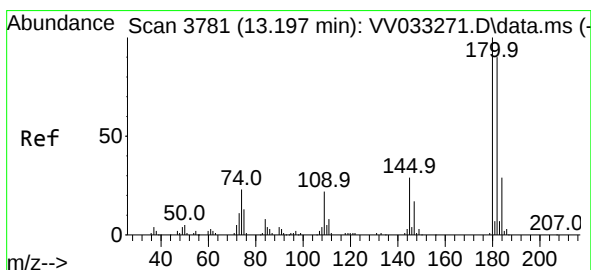
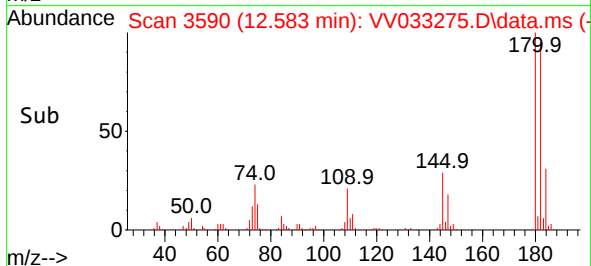
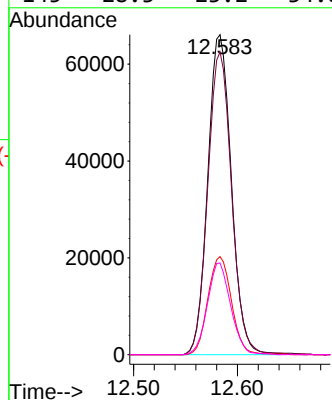
Ion Ratio Lower Upper

180 100

182 95.5 76.1 114.1

184 30.7 24.5 36.7

145 28.3 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 5.016 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV033275.D

Acq: 13 Dec 2023 14:27

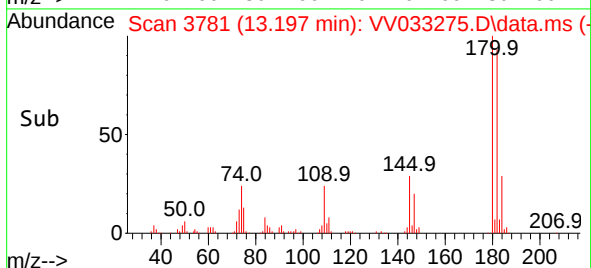
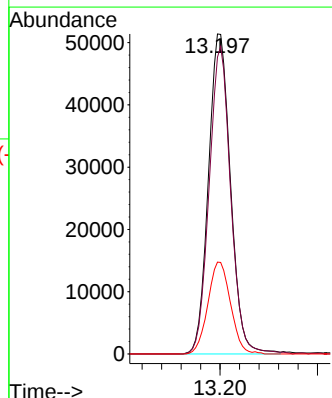
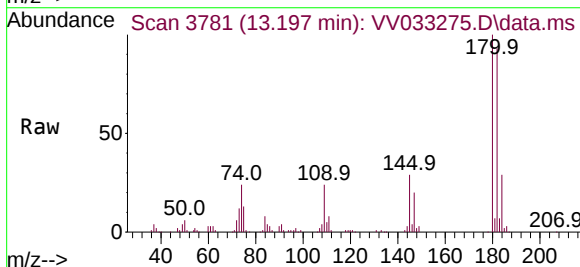
Tgt Ion:180 Resp: 80954

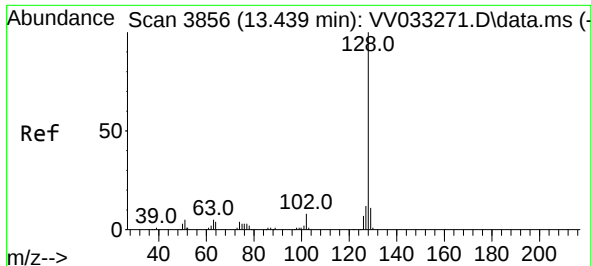
Ion Ratio Lower Upper

180 100

182 93.6 74.2 111.4

145 29.4 22.6 34.0

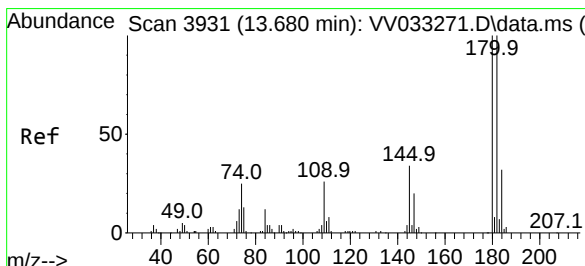
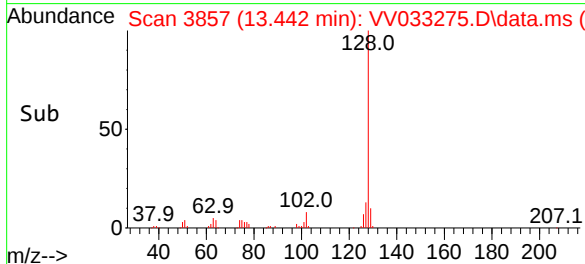
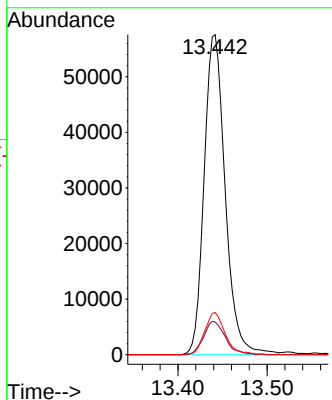
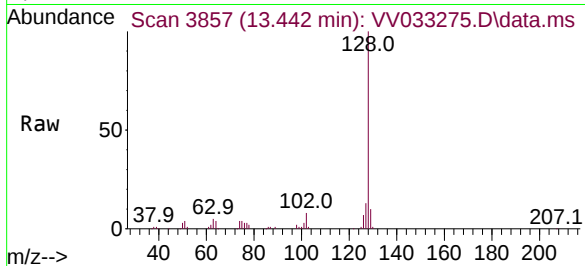




#71
Naphthalene
Concen: 5.054 ug/L
RT: 13.442 min Scan# 3856
Delta R.T. 0.003 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD005315

Tgt Ion:128 Resp: 94493
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.8 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 5.246 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. -0.000 min
Lab File: VV033275.D
Acq: 13 Dec 2023 14:27

Tgt Ion:180 Resp: 67953
Ion Ratio Lower Upper
180 100
182 93.7 78.8 118.2
145 31.4 26.6 40.0

