

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110921\
 Data File : VW023333.D
 Acq On : 10 Nov 2021 15:19
 Operator : SY/MD
 Sample : M4558-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 11 00:43:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 11 00:38:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	119590	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	116900	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	54799	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	26024	3.474	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.400%
7) Chloroethane-d5	1.568	69	26418	4.327	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.600%
11) 1,1-Dichloroethene-d2	2.108	63	40105	2.860	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.200%#
20) 2-Butanone-d5	3.889	46	93339	72.316	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	144.640%#
24) Chloroform-d	4.352	84	74096	4.641	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	5.037	65	36121	5.031	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.600%
32) Benzene-d6	5.053	84	134953	4.499	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
36) 1,2-Dichloropropane-d6	6.072	67	44997	5.096	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.000%
41) Toluene-d8	7.317	98	108623	3.865	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.200%
43) trans-1,3-Dichloroprop...	7.625	79	13548	4.047	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.000%
46) 2-Hexanone-d5	8.088	63	71259	57.849	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.700%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31853	5.017	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	45930	5.034	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.311	62	10512	1.062	ug/L	95
8) Chloroethane	1.311	64	3776	0.661	ug/L #	72
12) 1,1-Dichloroethene	2.118	96	794	0.111	ug/L #	1
13) Acetone	2.185	43	2243	2.844	ug/L	92
14) Carbon disulfide	2.294	76	1413	0.053	ug/L #	75
18) trans-1,2-Dichloroethene	2.764	96	16635	1.897	ug/L	97
19) 1,1-Dichloroethane	3.192	63	1435	0.097	ug/L #	91
22) cis-1,2-Dichloroethene	3.912	96	257295	30.496	ug/L #	89
34) Trichloroethene	5.928	95	1223	0.141	ug/L	94
35) Methylcyclohexane	6.072	83	10547	0.769	ug/L #	21
37) 1,2-Dichloropropane	6.072	63	5163	0.677	ug/L #	83
39) cis-1,3-Dichloropropene	6.992	75	1041	0.095	ug/L #	48
42) Toluene	7.400	91	4247	0.122	ug/L	94
45) 1,1,2-Trichloroethane	7.937	97	1015	0.185	ug/L #	1
48) 2-Hexanone	8.149	43	3434	1.385	ug/L #	67
61) 1,2,3-Trichloropropane	11.249	75	6060	1.665	ug/L #	66
70) 1,2,4-trichlorobenzene	13.268	180	957	0.095	ug/L #	92
71) Naphthalene	13.513	128	1958	0.132	ug/L	100
72) 1,2,3-Trichlorobenzene	13.747	180	919	0.104	ug/L #	93

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 11 00:38:57 2021
Response via : Initial Calibration

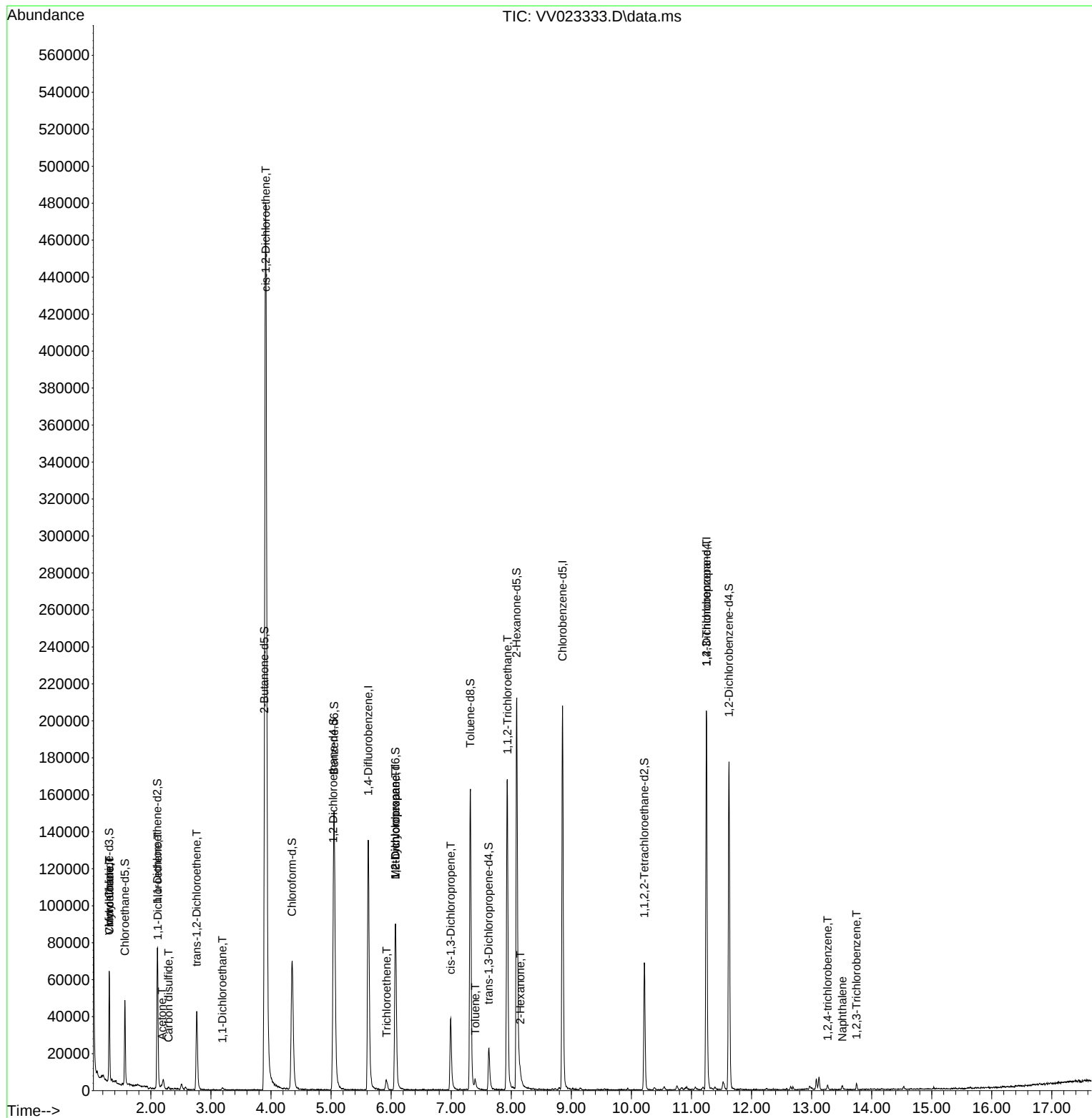
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

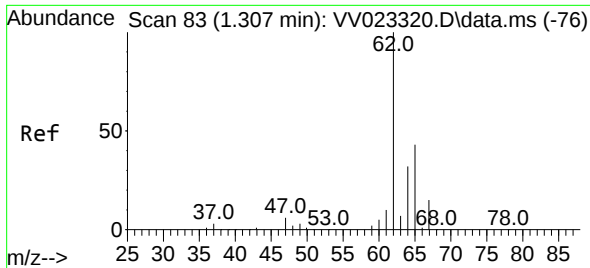
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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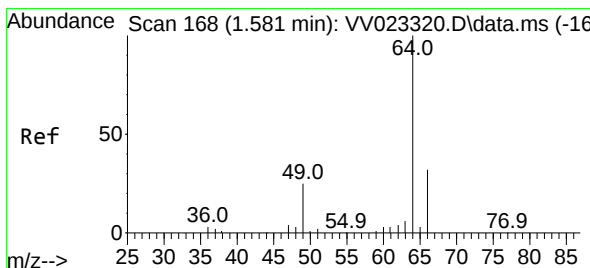
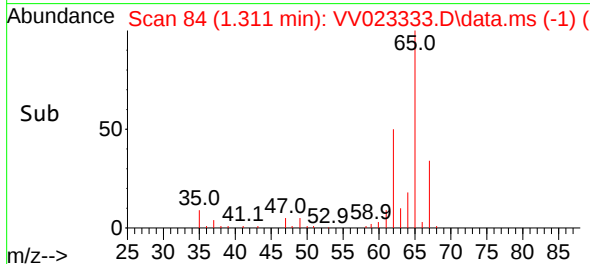
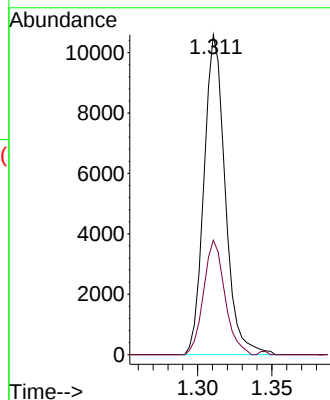
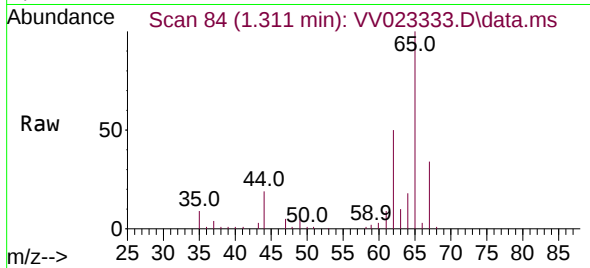




#5
 Vinyl chloride
 Concen: 1.062 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV023333.D
 Acq: 10 Nov 2021 15:19

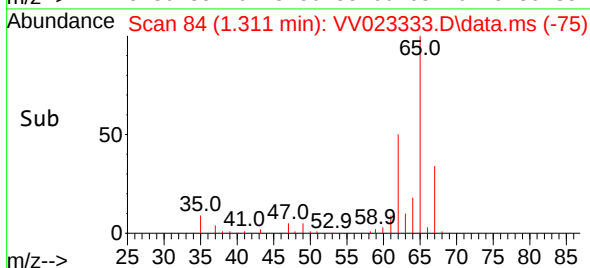
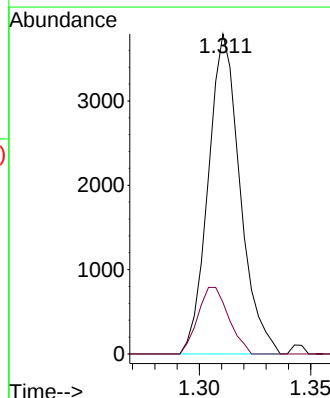
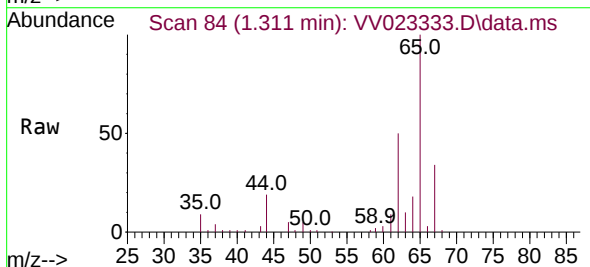
Instrument :
 MSVOA_V
 ClientSampleId :

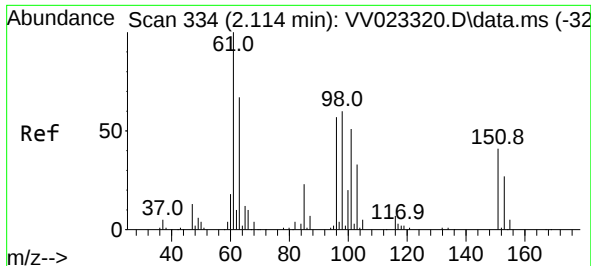
Tgt Ion: 62 Resp: 10512
 Ion Ratio Lower Upper
 62 100
 64 35.8 23.1 42.9



#8
 Chloroethane
 Concen: 0.661 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. -0.270 min
 Lab File: VV023333.D
 Acq: 10 Nov 2021 15:19

Tgt Ion: 64 Resp: 3776
 Ion Ratio Lower Upper
 64 100
 66 16.1 22.1 41.1#





#12

1,1-Dichloroethene

Concen: 0.111 ug/L

RT: 2.118 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV023333.D

Acq: 10 Nov 2021 15:19

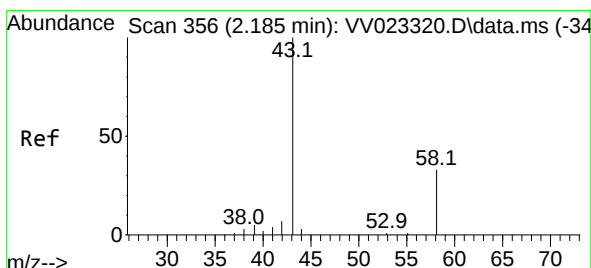
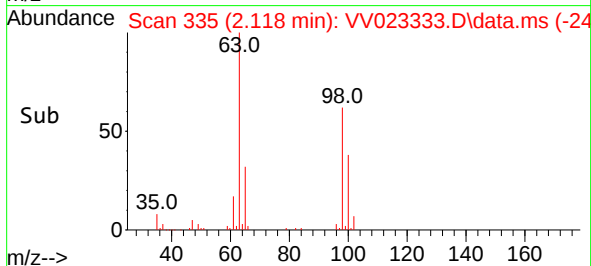
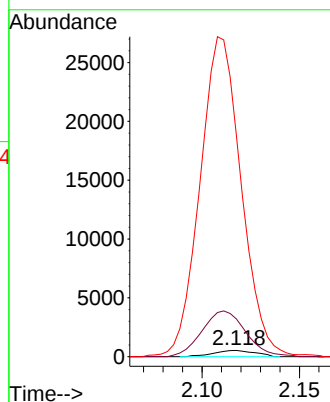
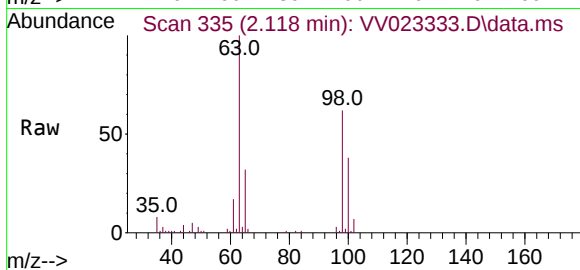
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 96 Resp: 794

Ion	Ratio	Lower	Upper
96	100		
61	597.9	121.5	225.7#
63	3514.9	99.6	185.0#



#13

Acetone

Concen: 2.844 ug/L

RT: 2.185 min Scan# 356

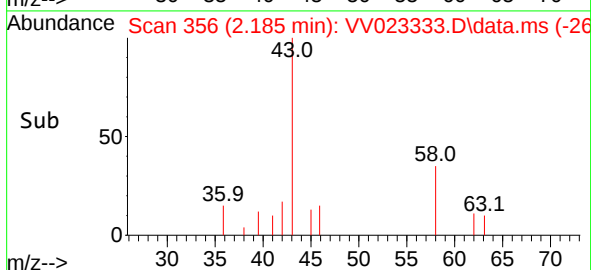
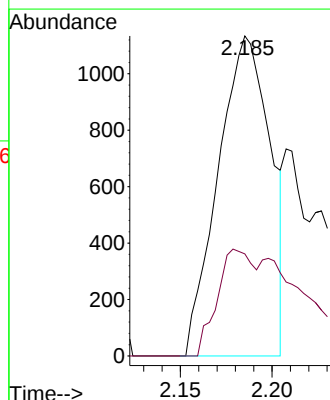
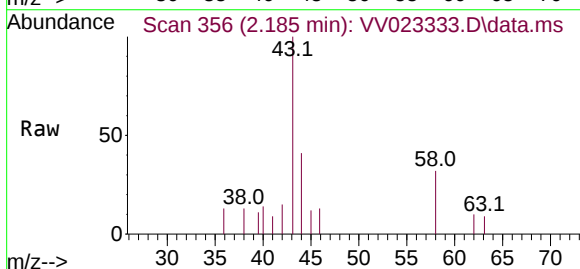
Delta R.T. 0.000 min

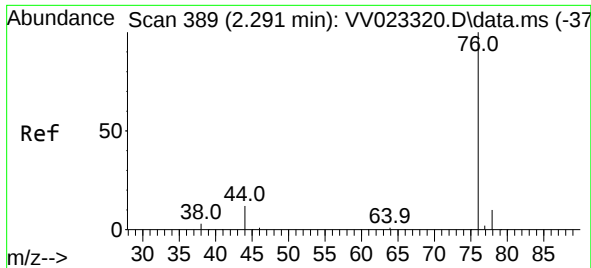
Lab File: VV023333.D

Acq: 10 Nov 2021 15:19

Tgt Ion: 43 Resp: 2243

Ion	Ratio	Lower	Upper
43	100		
58	23.7	0.0	55.4





#14

Carbon disulfide

Concen: 0.053 ug/L

RT: 2.294 min Scan# 389

Delta R.T. 0.003 min

Lab File: VV023333.D

Acq: 10 Nov 2021 15:19

Instrument :

MSVOA_V

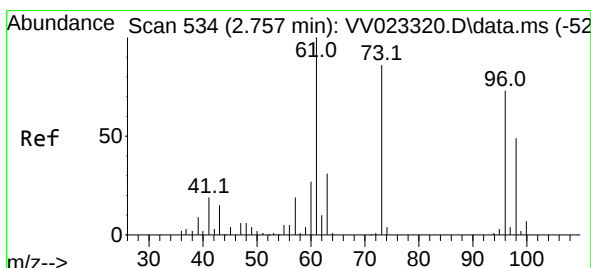
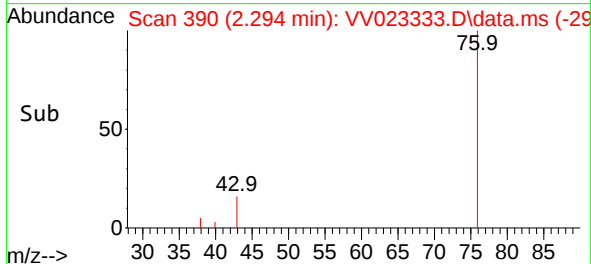
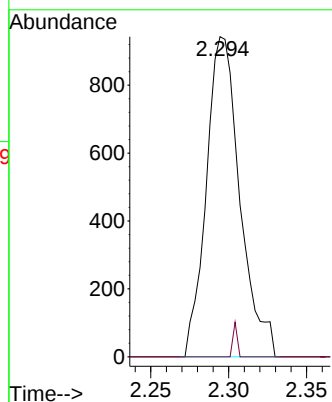
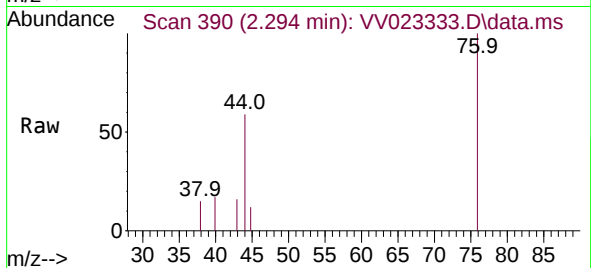
ClientSampleId :

Tgt Ion: 76 Resp: 1413

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#18

trans-1,2-Dichloroethene

Concen: 1.897 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.007 min

Lab File: VV023333.D

Acq: 10 Nov 2021 15:19

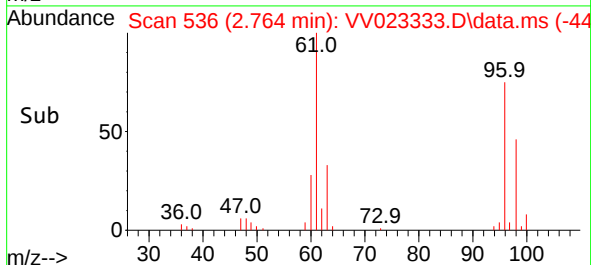
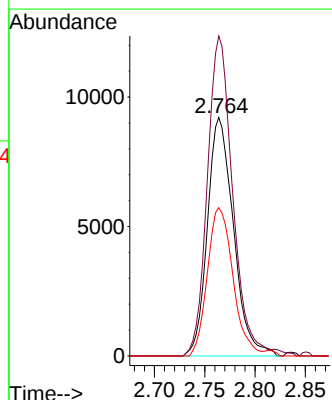
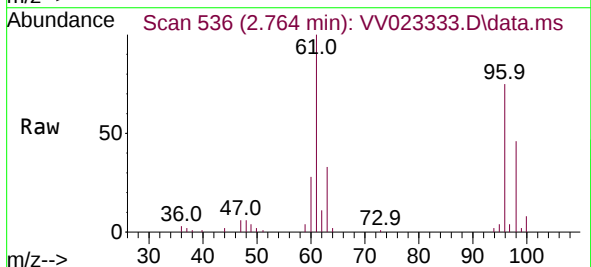
Tgt Ion: 96 Resp: 16635

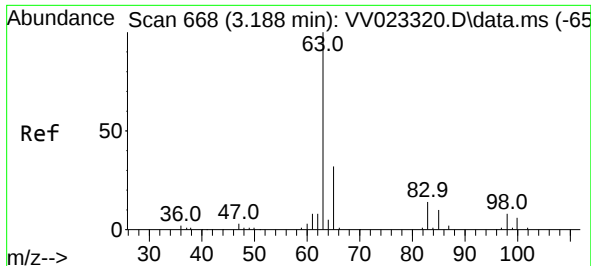
Ion Ratio Lower Upper

96 100

61 134.2 93.2 173.2

98 62.2 47.0 87.2





#19

1,1-Dichloroethane

Concen: 0.097 ug/L

RT: 3.192 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV023333.D

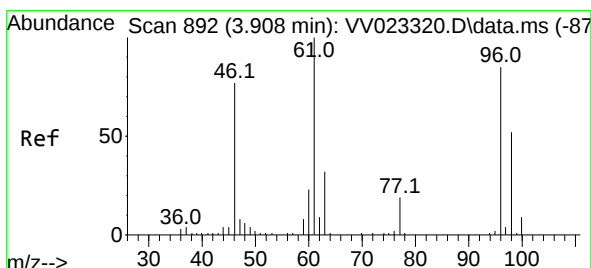
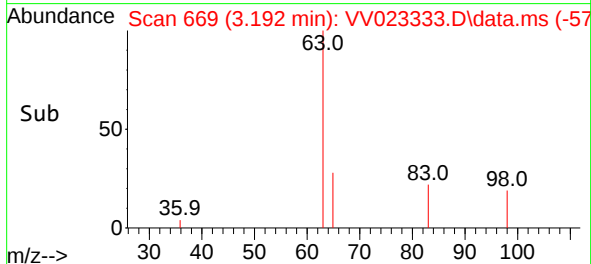
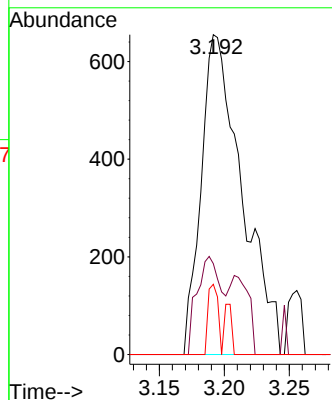
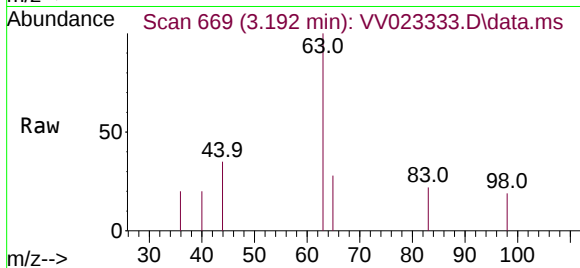
Acq: 10 Nov 2021 15:19

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63	Resp: 1435
Ion Ratio	Lower Upper
63	100
65	28.4 22.6 42.0
83	22.0 11.1 20.7#



#22

cis-1,2-Dichloroethene

Concen: 30.496 ug/L

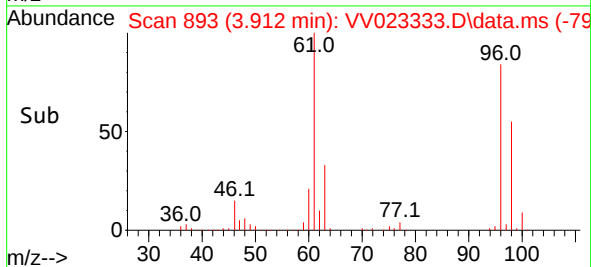
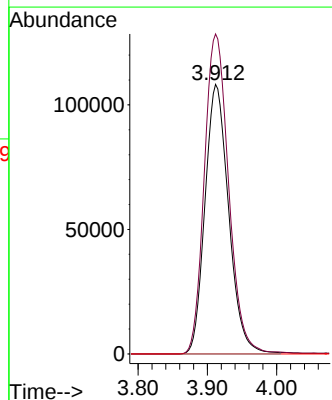
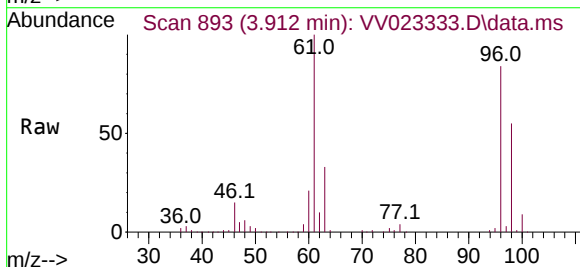
RT: 3.912 min Scan# 893

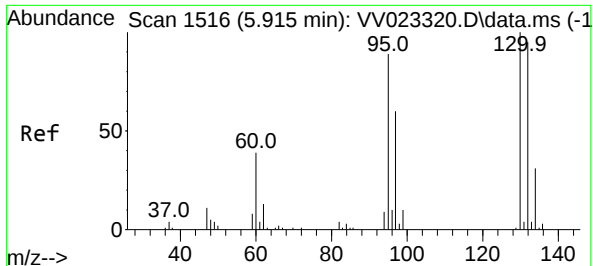
Delta R.T. 0.003 min

Lab File: VV023333.D

Acq: 10 Nov 2021 15:19

Tgt Ion: 96	Resp: 257295
Ion Ratio	Lower Upper
96	100
61	118.7 92.3 171.3
68	0.0 0.4 0.8#



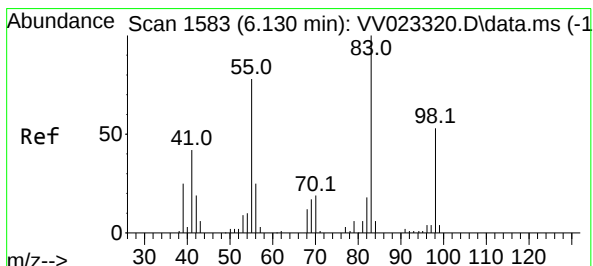
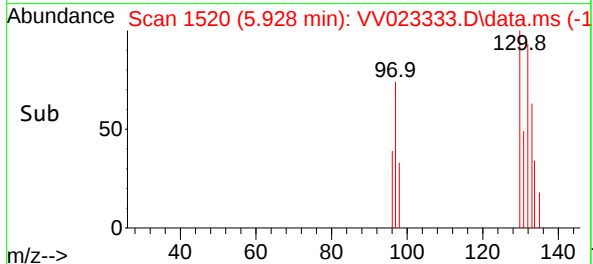
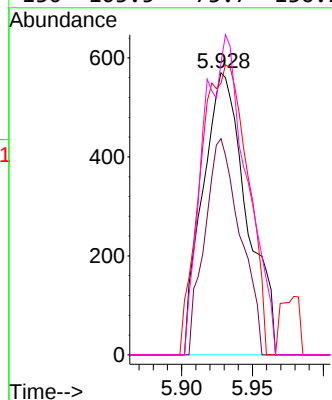
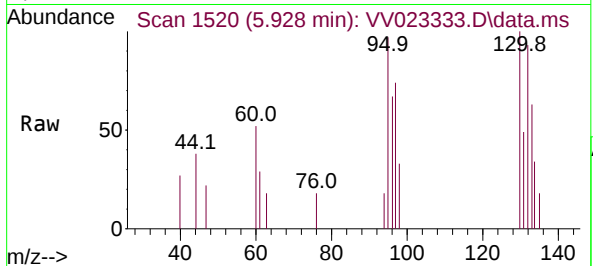


#34
Trichloroethene
Concen: 0.141 ug/L
RT: 5.928 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV023333.D
Acq: 10 Nov 2021 15:19

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 95 Resp: 1223

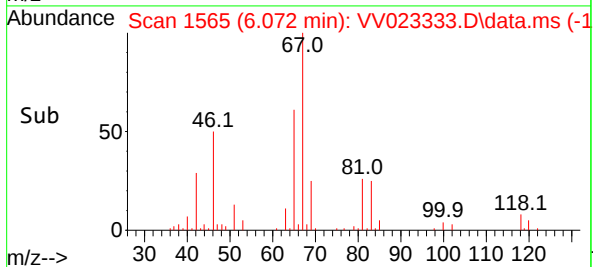
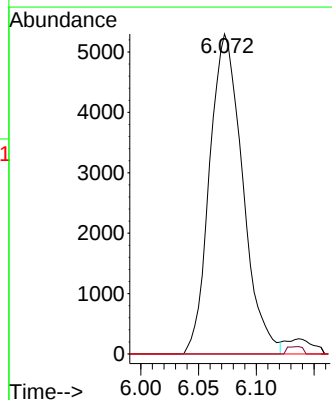
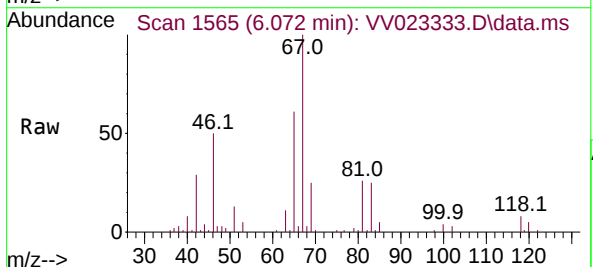
Ion	Ratio	Lower	Upper
95	100		
97	76.7	45.0	83.6
132	96.3	69.7	129.4
130	103.5	73.7	136.9

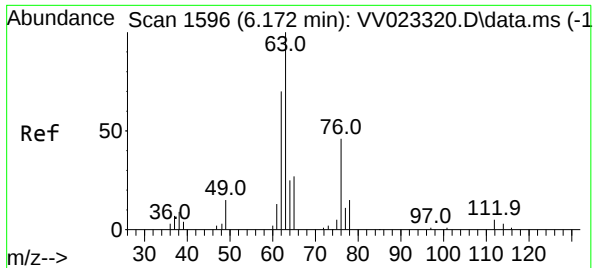


#35
Methylcyclohexane
Concen: 0.769 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.058 min
Lab File: VV023333.D
Acq: 10 Nov 2021 15:19

Tgt Ion: 83 Resp: 10547

Ion	Ratio	Lower	Upper
83	100		
55	1.1	62.8	94.2#
98	4.7	37.9	56.9#

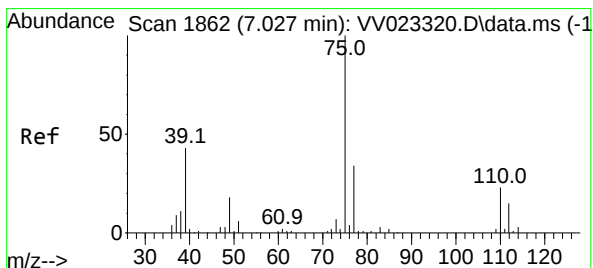
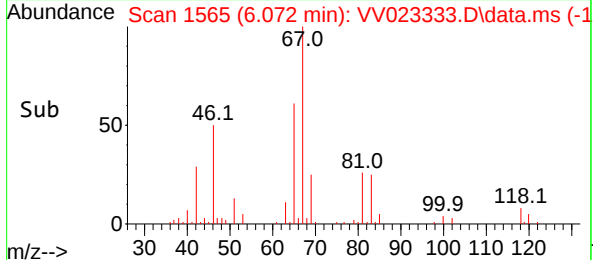
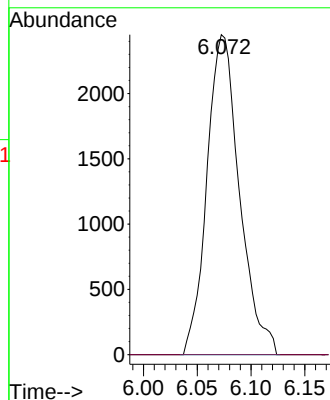
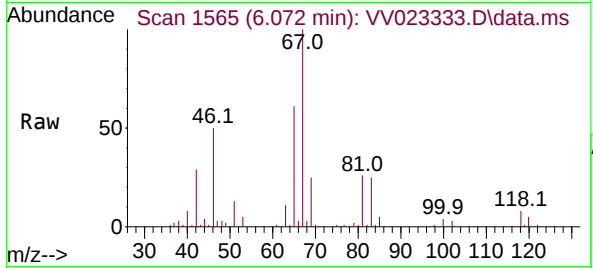




#37
1,2-Dichloropropane
Concen: 0.677 ug/L
RT: 6.072 min Scan# 11
Delta R.T. -0.100 min
Lab File: VV023333.D
Acq: 10 Nov 2021 15:19

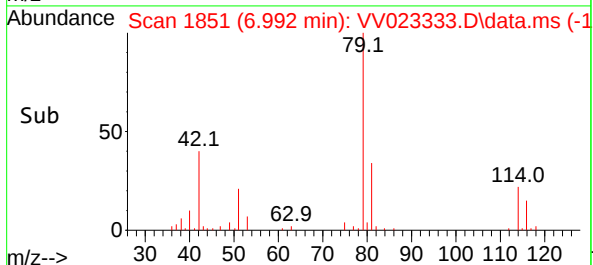
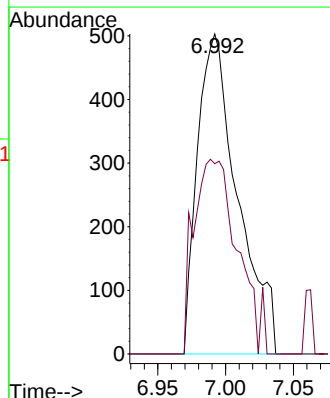
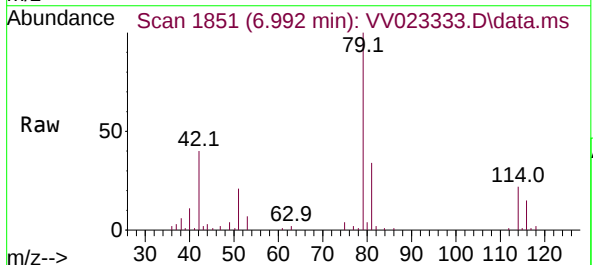
Instrument :
MSVOA_V
ClientSampleId :

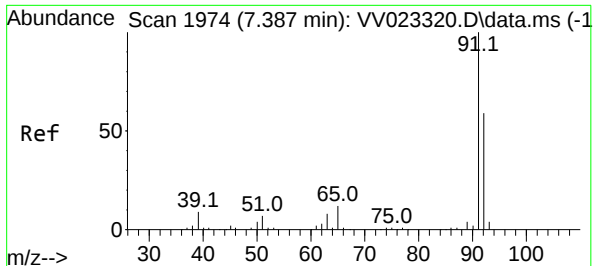
Tgt Ion: 63 Resp: 5163
Ion Ratio Lower Upper
63 100
112 0.0 4.6 6.8#



#39
cis-1,3-Dichloropropene
Concen: 0.095 ug/L
RT: 6.992 min Scan# 1851
Delta R.T. -0.035 min
Lab File: VV023333.D
Acq: 10 Nov 2021 15:19

Tgt Ion: 75 Resp: 1041
Ion Ratio Lower Upper
75 100
77 59.4 21.6 40.2#





#42

Toluene

Concen: 0.122 ug/L

RT: 7.400 min Scan# 1974

Delta R.T. 0.013 min

Lab File: VV023333.D

Acq: 10 Nov 2021 15:19

Instrument :

MSVOA_V

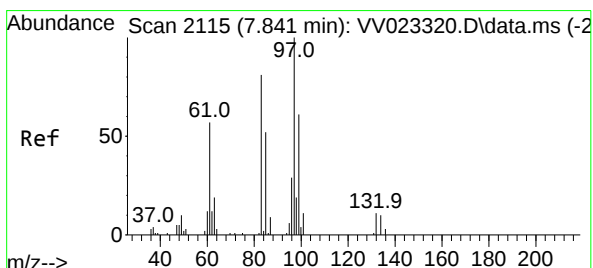
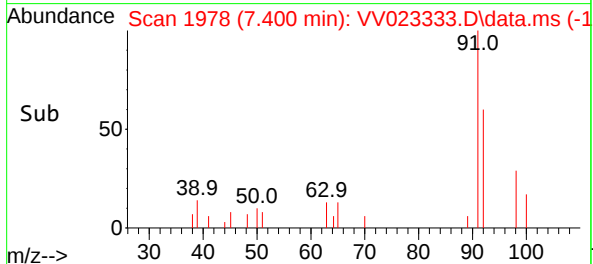
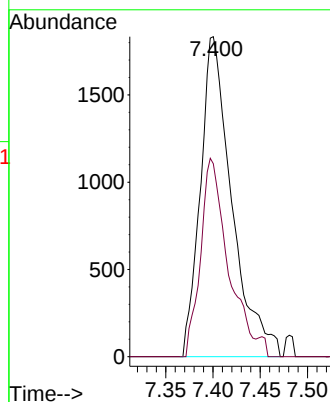
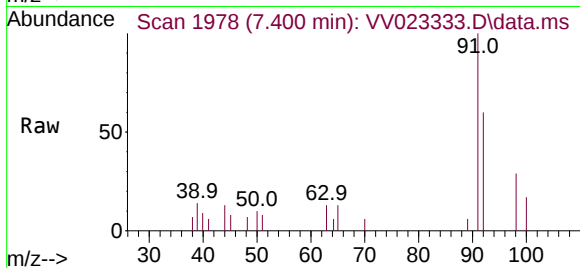
ClientSampleId :

Tgt Ion: 91 Resp: 4247

Ion Ratio Lower Upper

91 100

92 60.3 39.3 72.9



#45

1,1,2-Trichloroethane

Concen: 0.185 ug/L

RT: 7.937 min Scan# 2145

Delta R.T. 0.097 min

Lab File: VV023333.D

Acq: 10 Nov 2021 15:19

Tgt Ion: 97 Resp: 1015

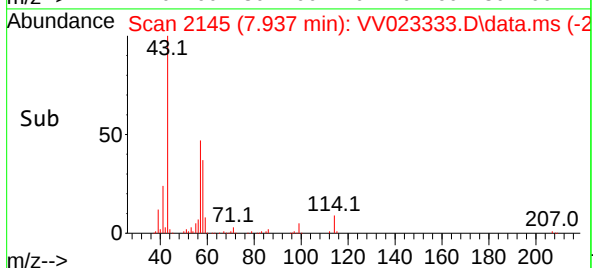
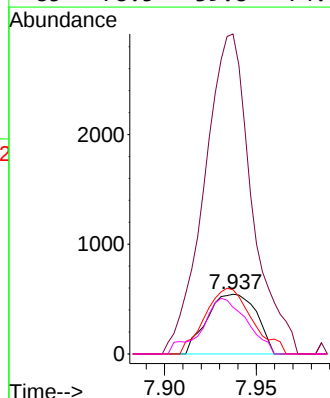
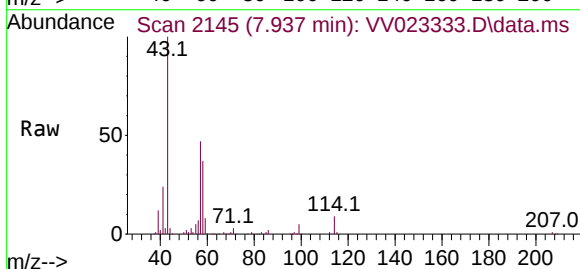
Ion Ratio Lower Upper

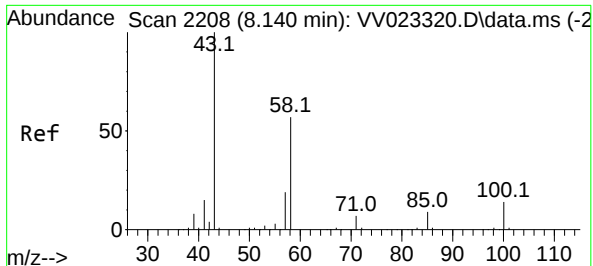
97 100

99 537.2 43.6 81.0#

83 107.7 58.4 108.4

85 78.5 39.8 74.0#

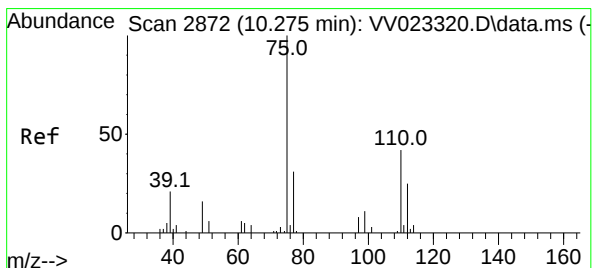
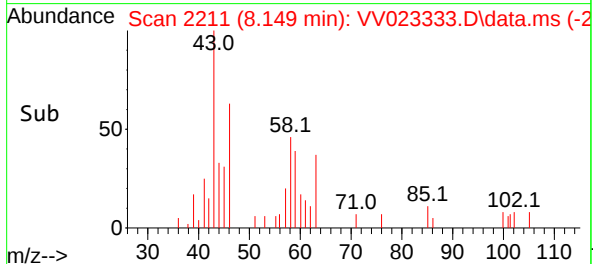
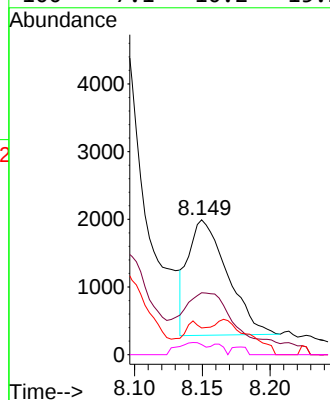
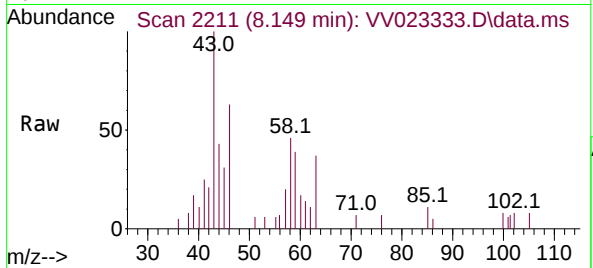




#48
2-Hexanone
Concen: 1.385 ug/L
RT: 8.149 min Scan# 2111
Delta R.T. 0.010 min
Lab File: VV023333.D
Acq: 10 Nov 2021 15:19

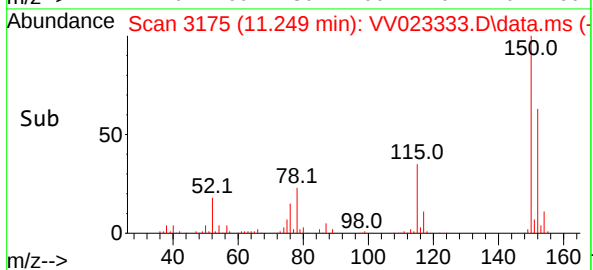
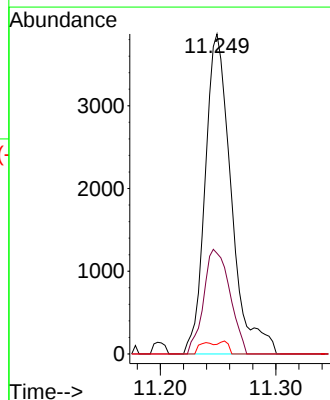
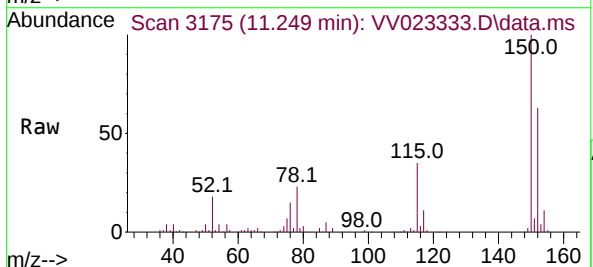
Instrument :
MSVOA_V
ClientSampleId :

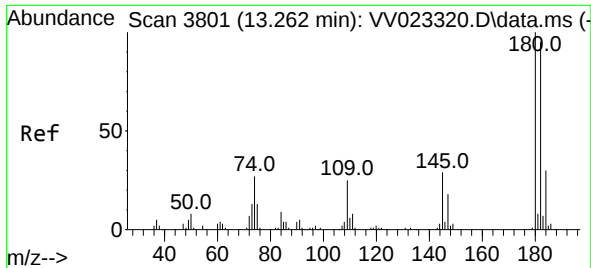
Tgt Ion: 43 Resp: 3434
Ion Ratio Lower Upper
43 100
58 80.1 43.7 65.5#
57 0.0 14.1 21.1#
100 7.1 10.2 15.2#



#61
1,2,3-Trichloropropane
Concen: 1.665 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV023333.D
Acq: 10 Nov 2021 15:19

Tgt Ion: 75 Resp: 6060
Ion Ratio Lower Upper
75 100
77 32.8 26.6 39.8
110 1.7 31.8 47.6#

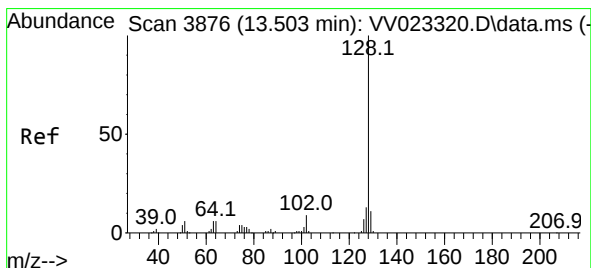
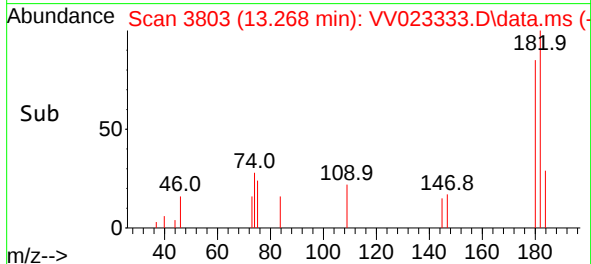
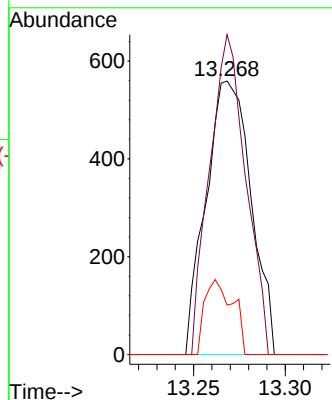
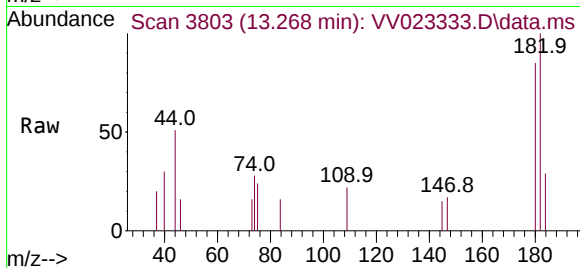




#70
1,2,4-trichlorobenzene
Concen: 0.095 ug/L
RT: 13.268 min Scan# 3801
Delta R.T. 0.007 min
Lab File: VV023333.D
Acq: 10 Nov 2021 15:19

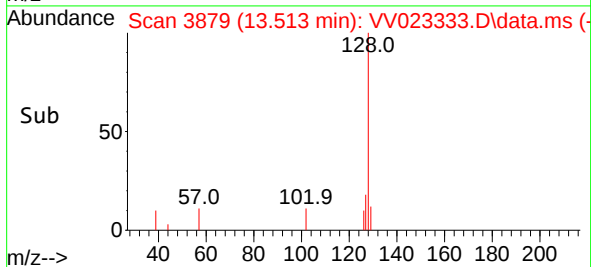
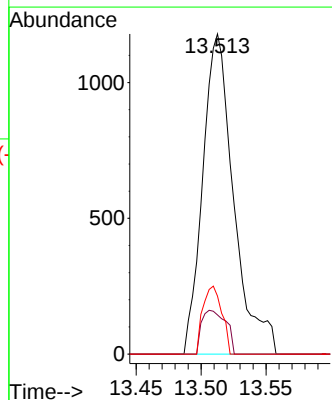
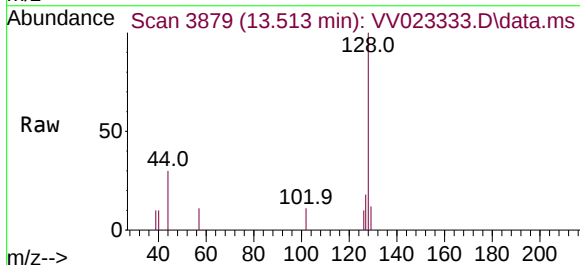
Instrument :
MSVOA_V
ClientSampleId :

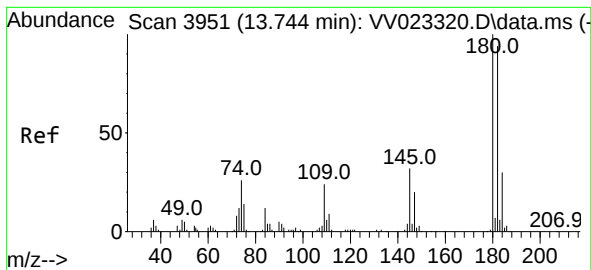
Tgt Ion:180 Resp: 957
Ion Ratio Lower Upper
180 100
182 93.8 76.9 115.3
145 17.0 24.4 36.6#



#71
Naphthalene
Concen: 0.132 ug/L
RT: 13.513 min Scan# 3879
Delta R.T. 0.010 min
Lab File: VV023333.D
Acq: 10 Nov 2021 15:19

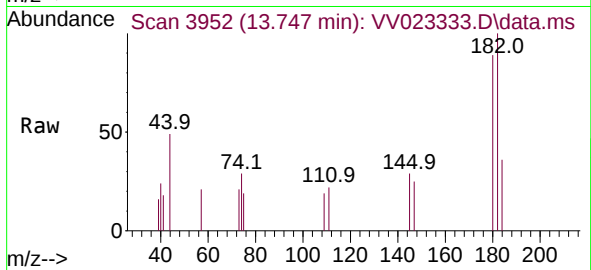
Tgt Ion:128 Resp: 1958
Ion Ratio Lower Upper
128 100
129 10.7 8.6 13.0
127 12.9 10.5 15.7





#72
 1,2,3-Trichlorobenzene
 Concen: 0.104 ug/L
 RT: 13.747 min Scan# 3951
 Delta R.T. 0.003 min
 Lab File: VV023333.D
 Acq: 10 Nov 2021 15:19

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.7	115.1
145	21.1	25.7	38.5

