

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121921\
 Data File : VW024114.D
 Acq On : 20 Dec 2021 01:48
 Operator : SY/MD
 Sample : M5148-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 20 04:20:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Dec 20 04:04:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	92215	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	96585	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	47589	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	18073	3.646	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.000%
7) Chloroethane-d5	1.568	69	16765	4.053	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.000%
11) 1,1-Dichloroethene-d2	2.108	63	31013	3.205	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.000%
20) 2-Butanone-d5	3.921	46	11900	12.287	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	24.580%#
24) Chloroform-d	4.349	84	46435	4.135	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.800%
26) 1,2-Dichloroethane-d4	5.034	65	23065	4.412	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
32) Benzene-d6	5.050	84	83223	4.350	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
36) 1,2-Dichloropropane-d6	6.072	67	25805	4.471	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.400%
41) Toluene-d8	7.317	98	74041	4.299	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.000%
43) trans-1,3-Dichloroprop...	7.625	79	8893	3.714	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.200%
46) 2-Hexanone-d5	8.091	63	29368	27.399	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	54.800%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	17782	3.714	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	74.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	30628	4.818	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.400%
Target Compounds						Qvalue
3) Chloromethane	1.243	50	384	0.056	ug/L #	43
5) Vinyl chloride	1.310	62	1049	0.141	ug/L #	48
12) 1,1-Dichloroethene	2.117	96	3387	0.547	ug/L #	1
13) Acetone	2.224	43	8756	11.300	ug/L	96
17) Methyl tert-butyl Ether	2.770	73	1725	0.123	ug/L #	74
18) trans-1,2-Dichloroethene	2.767	96	445	0.065	ug/L #	78
22) cis-1,2-Dichloroethene	3.915	96	21133	2.915	ug/L	100
30) Cyclohexane	4.677	56	5722	0.571	ug/L	98
34) Trichloroethene	5.911	95	827937	107.427	ug/L	98
35) Methylcyclohexane	6.072	83	6991	0.616	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	3444	0.530	ug/L #	84
39) cis-1,3-Dichloropropene	6.992	75	808	0.084	ug/L #	58
42) Toluene	7.397	91	1914	0.062	ug/L	91
47) Tetrachloroethene	7.982	164	822	0.121	ug/L	86
48) 2-Hexanone	8.153	43	4463	1.973	ug/L #	39
49) Dibromochloromethane	7.976	129	721	0.110	ug/L #	11
61) 1,2,3-Trichloropropane	11.249	75	4854	1.497	ug/L #	63

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ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Dec 20 04:20:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Dec 20 04:04:22 2021
Response via : Initial Calibration

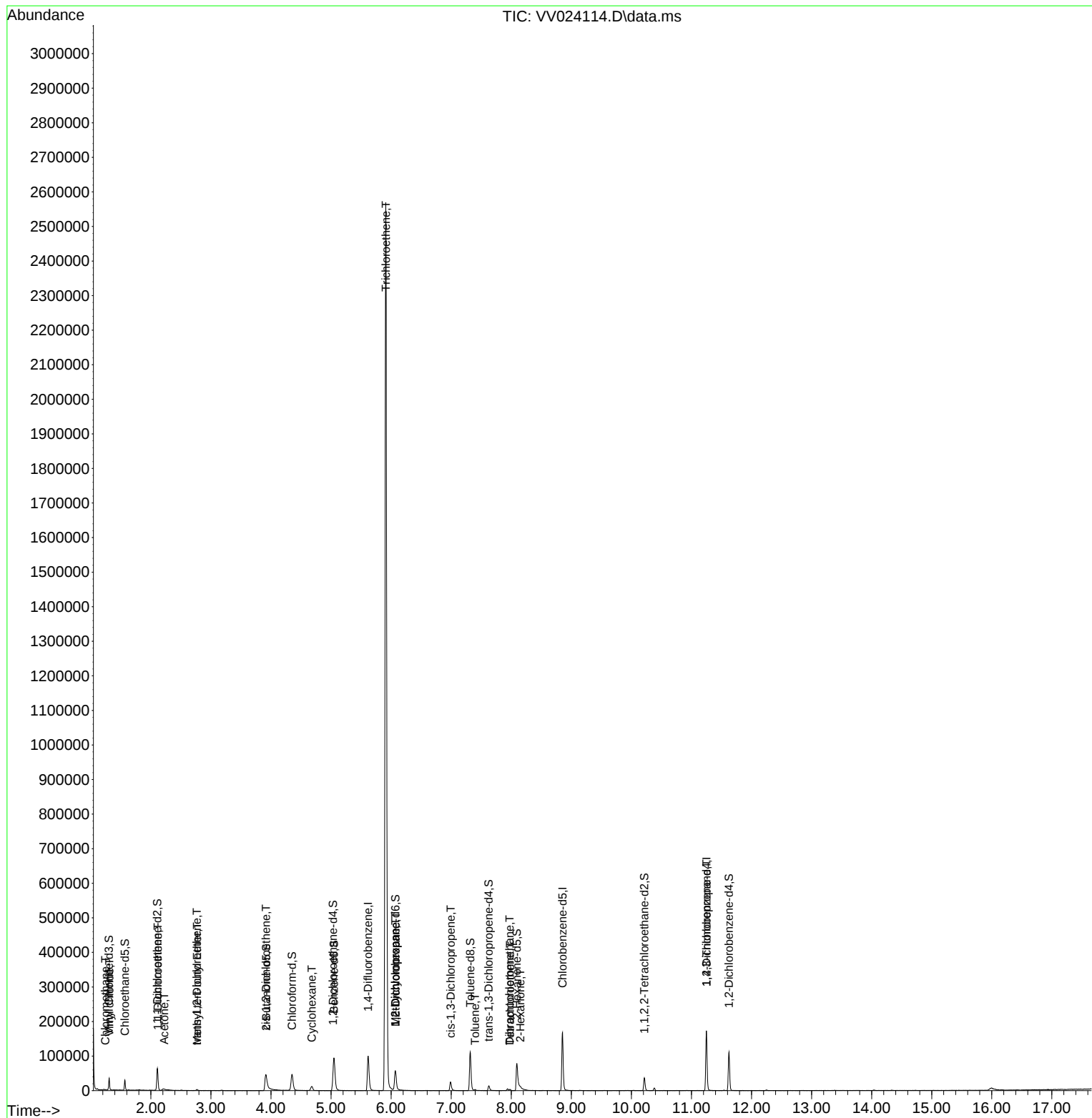
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

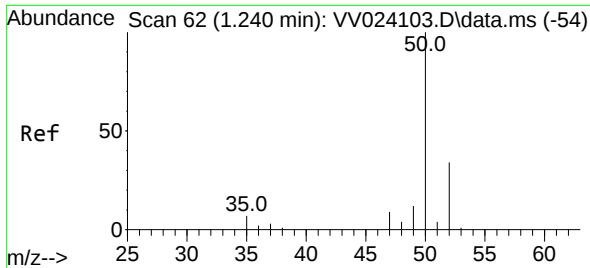
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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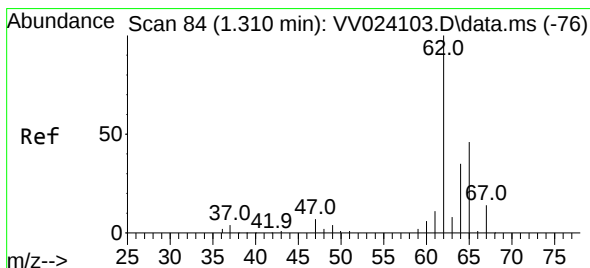
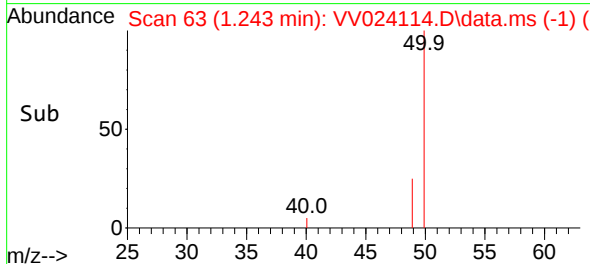
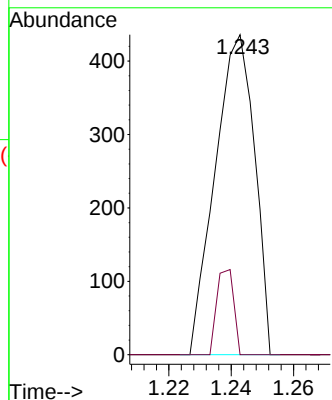
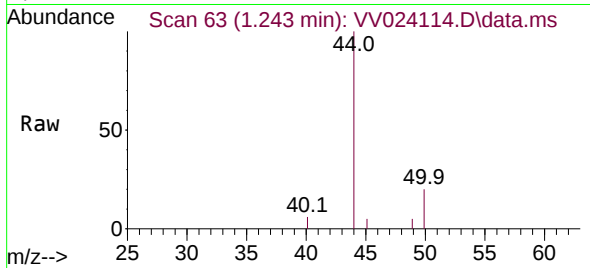




#3
Chloromethane
Concen: 0.056 ug/L
RT: 1.243 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV024114.D
Acq: 20 Dec 2021 01:48

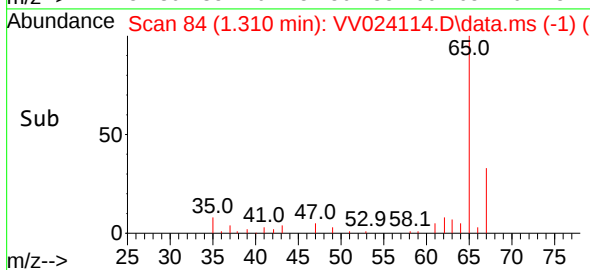
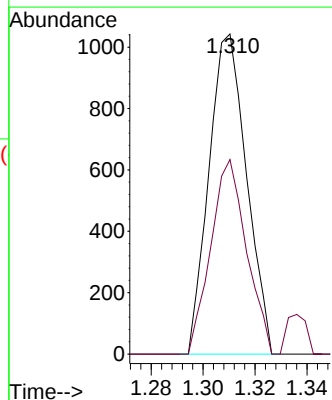
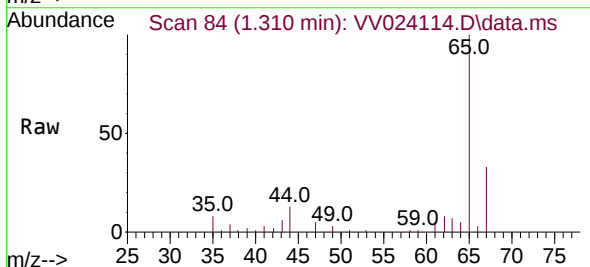
Instrument :
MSVOA_V
ClientSampleId :

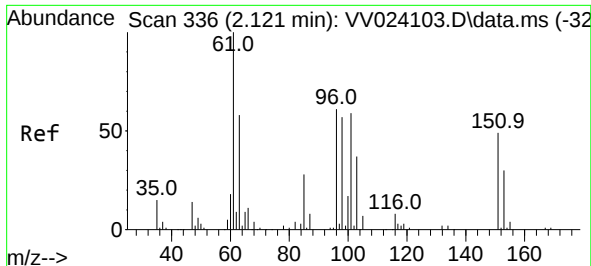
Tgt Ion: 50 Resp: 384
Ion Ratio Lower Upper
50 100
52 0.0 22.0 41.0#



#5
Vinyl chloride
Concen: 0.141 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV024114.D
Acq: 20 Dec 2021 01:48

Tgt Ion: 62 Resp: 1049
Ion Ratio Lower Upper
62 100
64 60.8 22.4 41.6#





#12

1,1-Dichloroethene

Concen: 0.547 ug/L

RT: 2.117 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV024114.D

Acq: 20 Dec 2021 01:48

Instrument :

MSVOA_V

ClientSampleId :

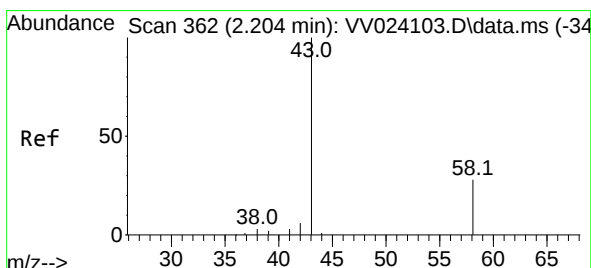
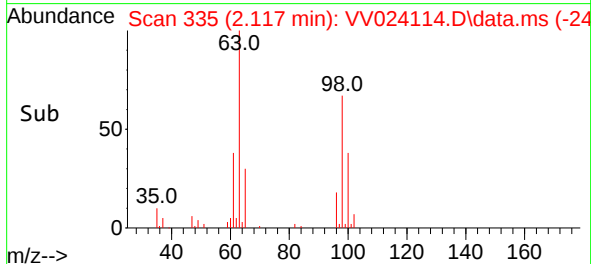
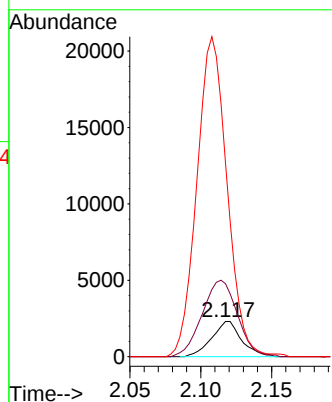
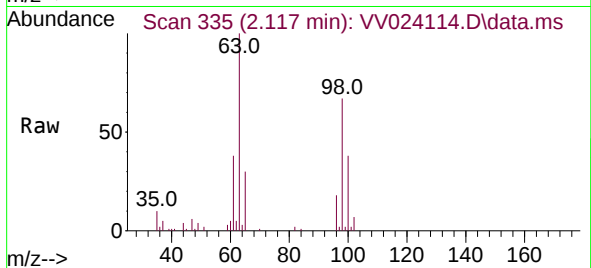
Tgt Ion: 96 Resp: 3387

Ion Ratio Lower Upper

96 100

61 206.9 116.1 215.5

63 549.8 79.4 147.4#



#13

Acetone

Concen: 11.300 ug/L

RT: 2.224 min Scan# 368

Delta R.T. 0.019 min

Lab File: VV024114.D

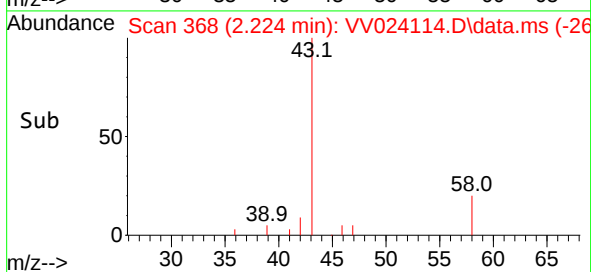
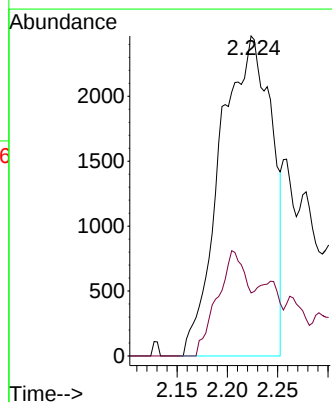
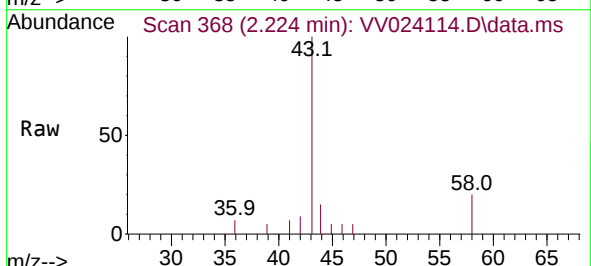
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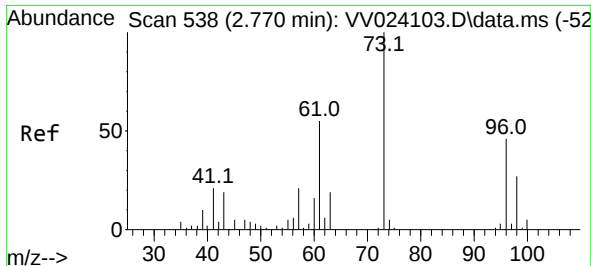
Tgt Ion: 43 Resp: 8756

Ion Ratio Lower Upper

43 100

58 18.8 0.0 41.4





#17

Methyl tert-butyl Ether

Concen: 0.123 ug/L

RT: 2.770 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV024114.D

Acq: 20 Dec 2021 01:48

Instrument :

MSVOA_V

ClientSampleId :

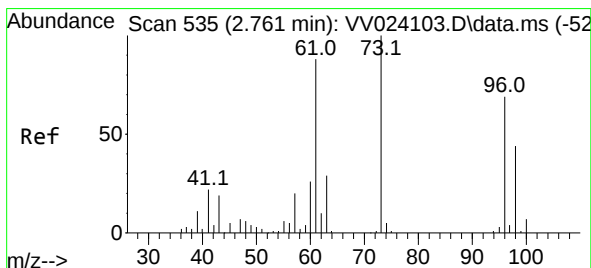
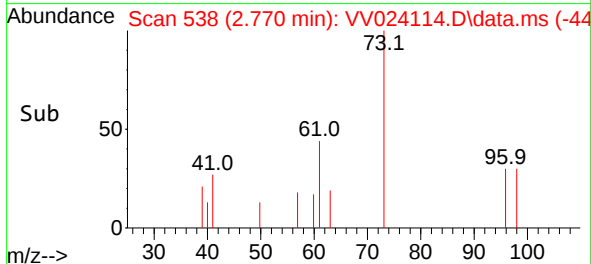
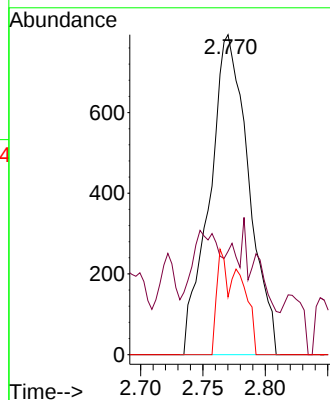
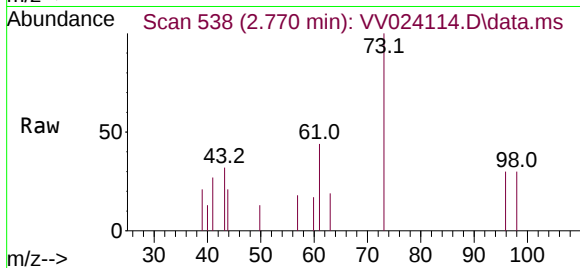
Tgt Ion: 73 Resp: 1725

Ion Ratio Lower Upper

73 100

43 4.8 15.5 23.3#

57 11.4 17.1 25.7#



#18

trans-1,2-Dichloroethene

Concen: 0.065 ug/L

RT: 2.767 min Scan# 537

Delta R.T. 0.006 min

Lab File: VV024114.D

Acq: 20 Dec 2021 01:48

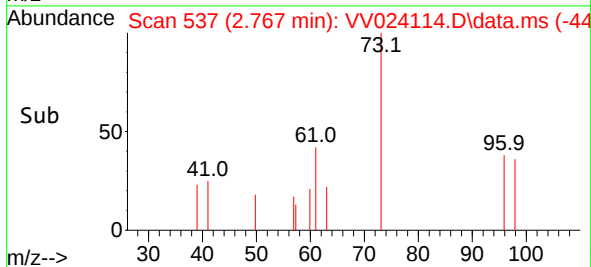
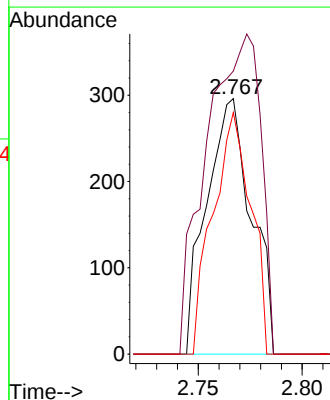
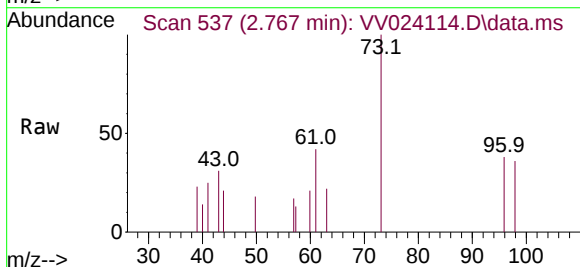
Tgt Ion: 96 Resp: 445

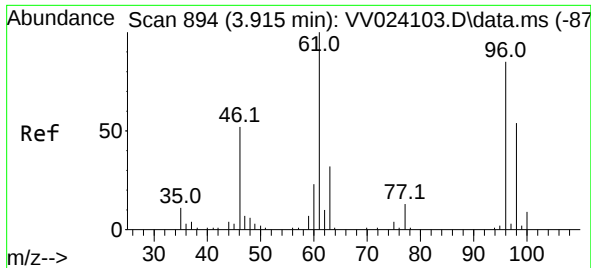
Ion Ratio Lower Upper

96 100

61 110.8 88.2 163.8

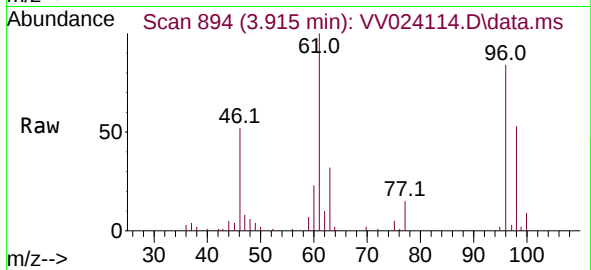
98 94.6 44.9 83.5#





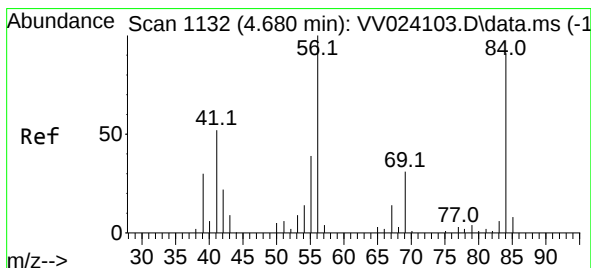
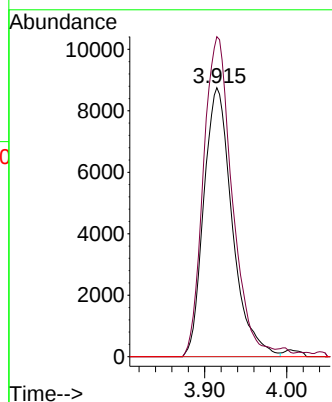
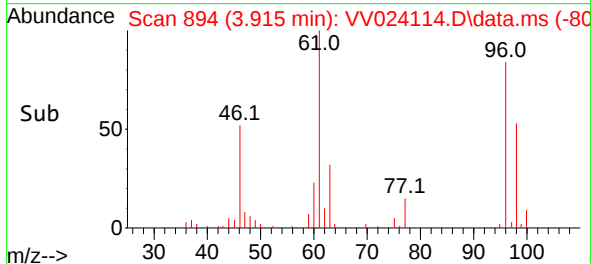
#22
 cis-1,2-Dichloroethene
 Concen: 2.915 ug/L
 RT: 3.915 min Scan# 894
 Delta R.T. -0.000 min
 Lab File: VV024114.D
 Acq: 20 Dec 2021 01:48

Instrument :
 MSVOA_V
 ClientSampleId :

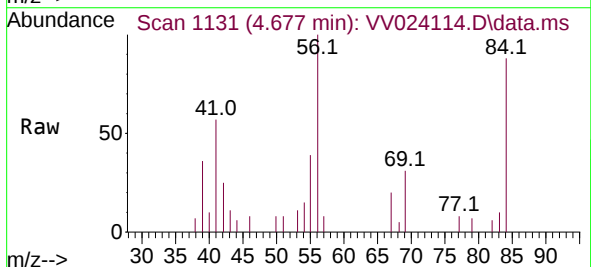


Tgt Ion: 96 Resp: 21133

Ion	Ratio	Lower	Upper
96	100		
61	119.0	83.4	154.8
68	0.0	0.0	0.0

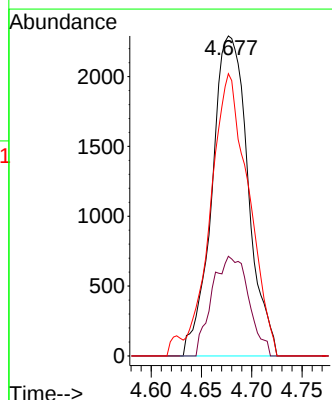
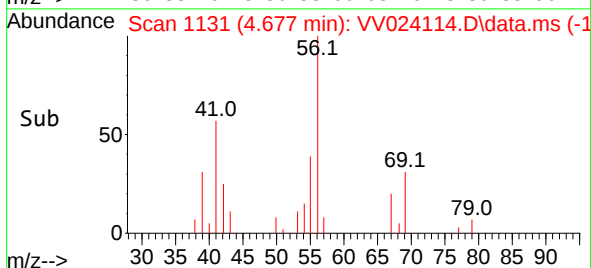


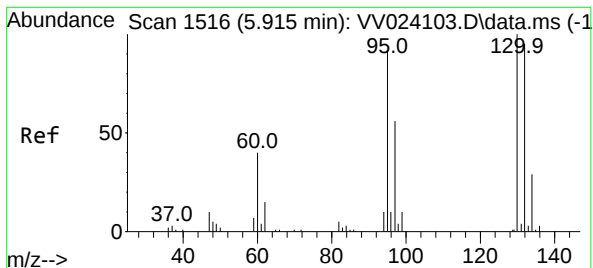
#30
 Cyclohexane
 Concen: 0.571 ug/L
 RT: 4.677 min Scan# 1131
 Delta R.T. -0.003 min
 Lab File: VV024114.D
 Acq: 20 Dec 2021 01:48



Tgt Ion: 56 Resp: 5722

Ion	Ratio	Lower	Upper
56	100		
69	31.5	24.8	37.2
84	92.1	75.9	113.9





#34

Trichloroethene

Concen: 107.427 ug/L

RT: 5.911 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV024114.D

Acq: 20 Dec 2021 01:48

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 827937

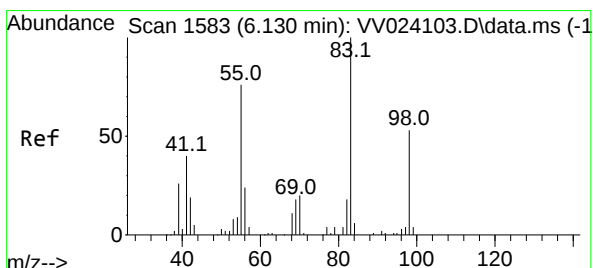
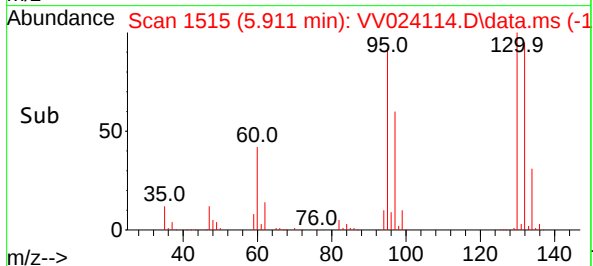
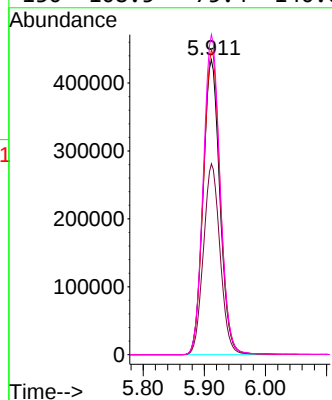
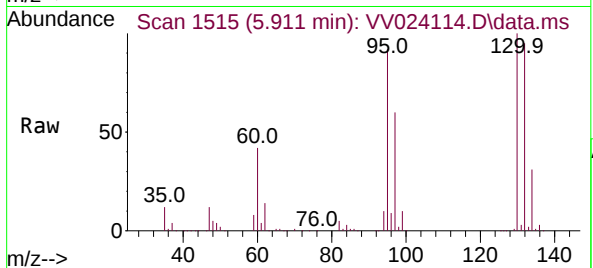
Ion Ratio Lower Upper

95 100

97 64.7 45.2 84.0

132 103.4 76.1 141.3

130 108.5 75.4 140.0



#35

Methylcyclohexane

Concen: 0.616 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.058 min

Lab File: VV024114.D

Acq: 20 Dec 2021 01:48

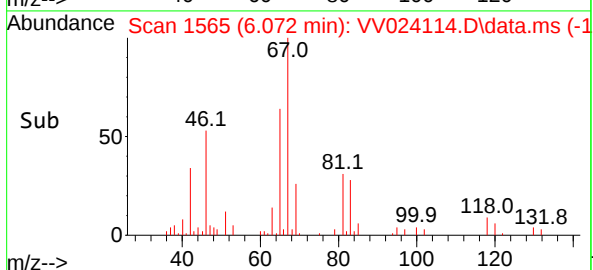
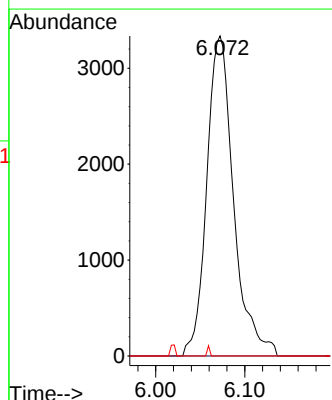
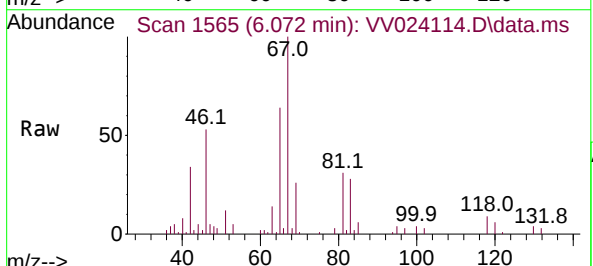
Tgt Ion: 83 Resp: 6991

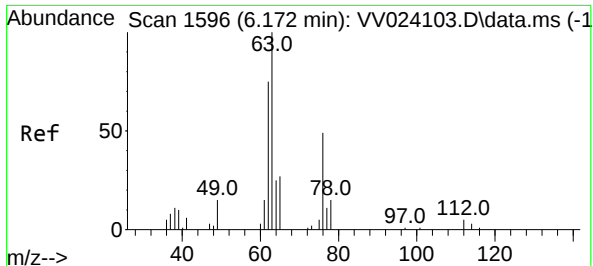
Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.2#

98 0.0 41.0 61.4#





#37

1,2-Dichloropropane

Concen: 0.530 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV024114.D

Acq: 20 Dec 2021 01:48

Instrument :

MSVOA_V

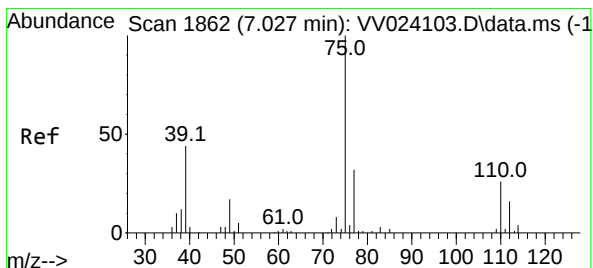
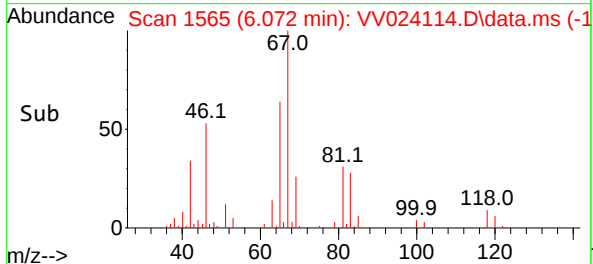
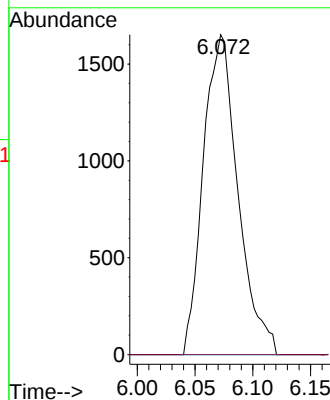
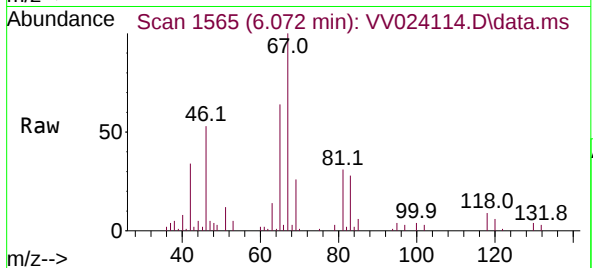
ClientSampleId :

Tgt Ion: 63 Resp: 3444

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#



#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.035 min

Lab File: VV024114.D

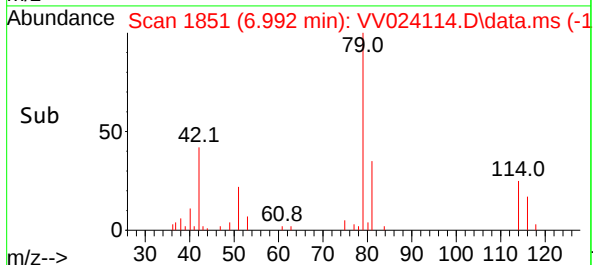
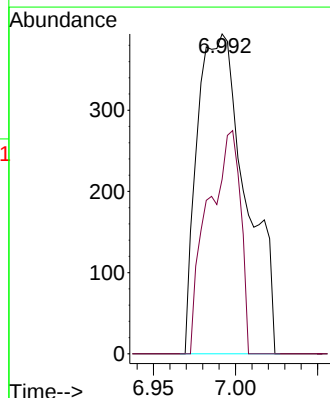
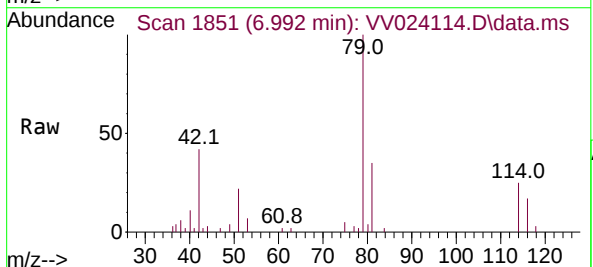
Acq: 20 Dec 2021 01:48

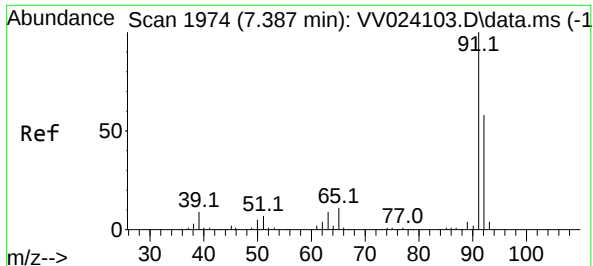
Tgt Ion: 75 Resp: 808

Ion Ratio Lower Upper

75 100

77 54.6 22.0 41.0#

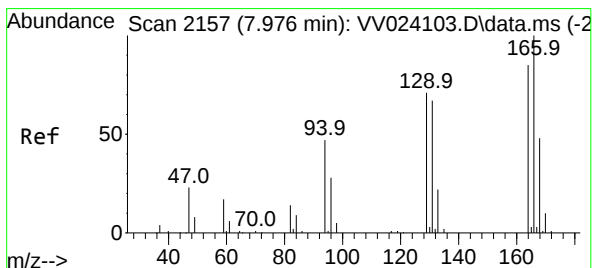
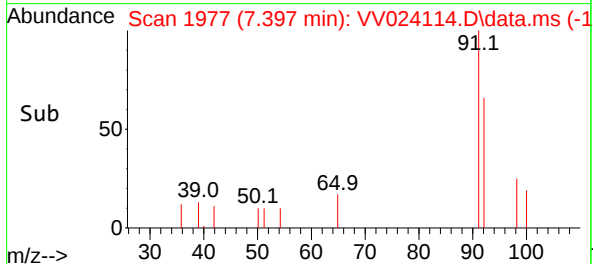
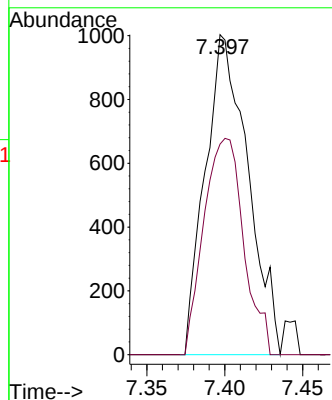
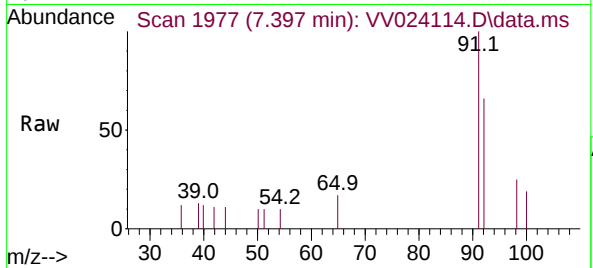




#42
Toluene
Concen: 0.062 ug/L
RT: 7.397 min Scan# 1974
Delta R.T. 0.010 min
Lab File: VV024114.D
Acq: 20 Dec 2021 01:48

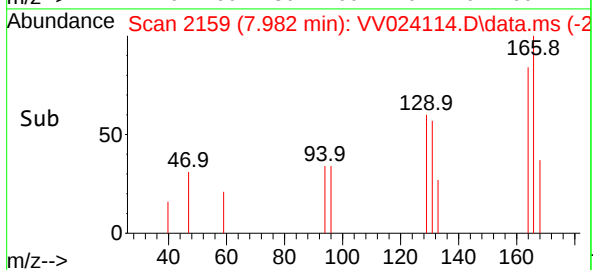
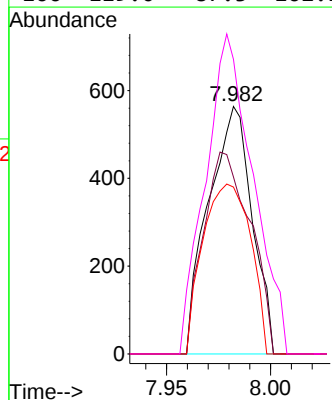
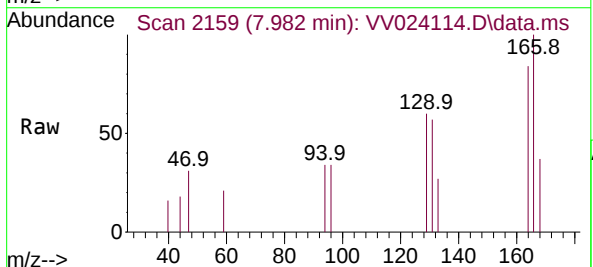
Instrument :
MSVOA_V
ClientSampleId :

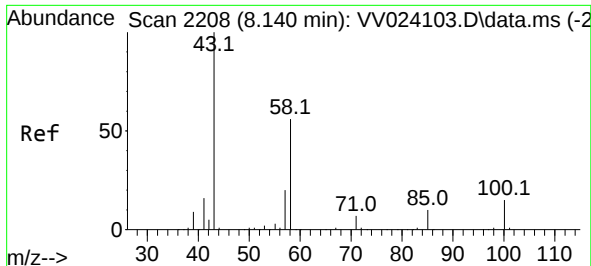
Tgt Ion: 91 Resp: 1914
Ion Ratio Lower Upper
91 100
92 65.8 41.5 77.1



#47
Tetrachloroethene
Concen: 0.121 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. 0.006 min
Lab File: VV024114.D
Acq: 20 Dec 2021 01:48

Tgt Ion: 164 Resp: 822
Ion Ratio Lower Upper
164 100
129 71.5 62.6 116.2
131 67.4 61.0 113.4
166 119.0 87.3 162.1

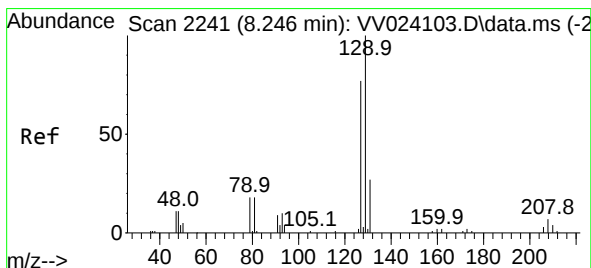
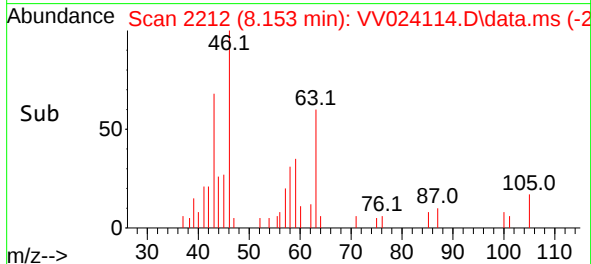
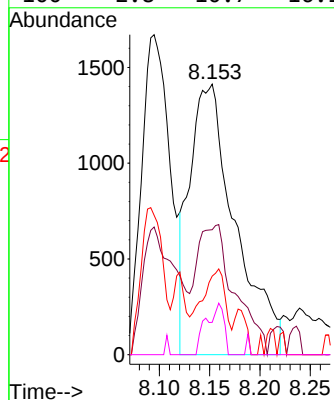
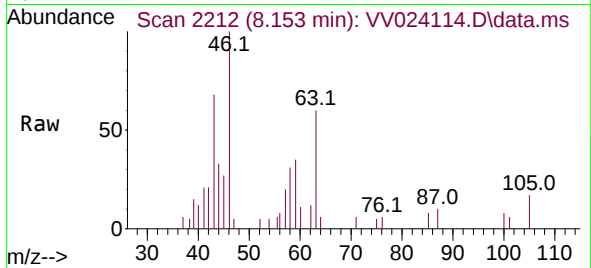




#48
2-Hexanone
Concen: 1.973 ug/L
RT: 8.153 min Scan# 2157
Delta R.T. 0.013 min
Lab File: VV024114.D
Acq: 20 Dec 2021 01:48

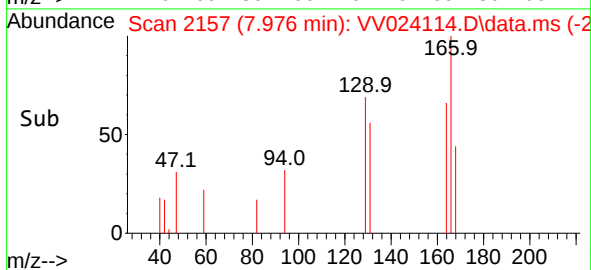
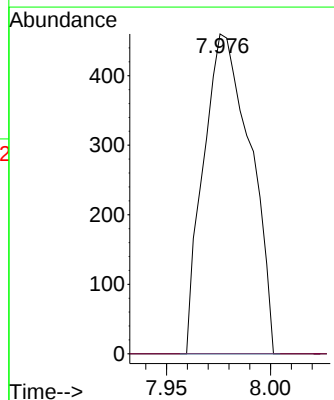
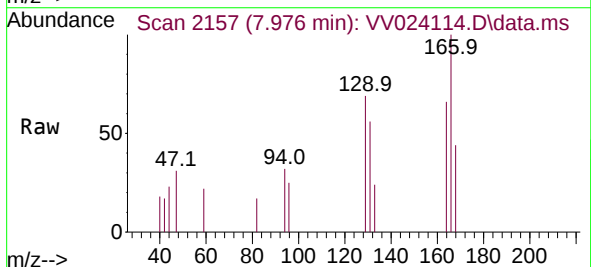
Instrument :
MSVOA_V
ClientSampleId :

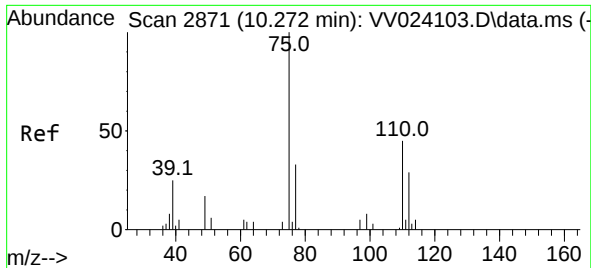
Tgt Ion: 43 Resp: 4463
Ion Ratio Lower Upper
43 100
58 0.0 44.5 66.7#
57 0.0 15.1 22.7#
100 2.8 10.7 16.1#



#49
Dibromochloromethane
Concen: 0.110 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV024114.D
Acq: 20 Dec 2021 01:48

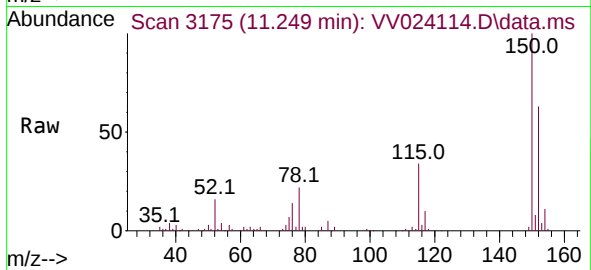
Tgt Ion: 129 Resp: 721
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#





#61
 1,2,3-Trichloropropane
 Concen: 1.497 ug/L
 RT: 11.249 min Scan# 31
 Delta R.T. 0.977 min
 Lab File: VV024114.D
 Acq: 20 Dec 2021 01:48

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 4854
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.4 39.6
 110 2.4 34.2 51.2#

