

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040822\
 Data File : VW025431.D
 Acq On : 08 Apr 2022 23:49
 Operator : SY/MD
 Sample : N2219-13
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 09 06:28:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 09 06:16:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	119604	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	115505	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	53258	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	63757	5.734	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.600%
7) Chloroethane-d5	1.571	69	56979	4.817	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.400%
11) 1,1-Dichloroethene-d2	2.111	63	94069	4.223	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.400%
20) 2-Butanone-d5	3.895	46	74285	54.920	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.840%
24) Chloroform-d	4.352	84	84986	5.058	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
26) 1,2-Dichloroethane-d4	5.034	65	41261	5.699	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.000%
32) Benzene-d6	5.053	84	174585	5.224	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.400%
36) 1,2-Dichloropropane-d6	6.072	67	48365	5.189	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.800%
41) Toluene-d8	7.316	98	151708	4.892	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.800%
43) trans-1,3-Dichloroprop...	7.625	79	14484	4.623	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.400%
46) 2-Hexanone-d5	8.088	63	58362	53.081	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.160%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31453	5.342	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.800%
66) 1,2-Dichlorobenzene-d4	11.622	152	51750	5.796	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.000%
Target Compounds						
2) Dichlorodifluoromethane	1.137	85	1660	0.154	ug/L	97
3) Chloromethane	1.243	50	622	0.053	ug/L	90
9) Trichlorofluoromethane	1.754	101	1641	0.088	ug/L	91
17) Methyl tert-butyl Ether	2.777	73	1540	0.096	ug/L	94
19) 1,1-Dichloroethane	3.198	63	720	0.049	ug/L #	86
22) cis-1,2-Dichloroethene	3.915	96	621	0.068	ug/L	94
25) Chloroform	4.381	83	27292	1.756	ug/L	96
31) Carbon tetrachloride	4.831	117	17358	1.507	ug/L	96
34) Trichloroethene	5.915	95	98224	10.842	ug/L	98
35) Methylcyclohexane	6.072	83	11867	0.821	ug/L #	23
37) 1,2-Dichloropropane	6.072	63	5571	0.706	ug/L #	85
38) Bromodichloromethane	6.522	83	1821	0.186	ug/L #	97
39) cis-1,3-Dichloropropene	6.995	75	1245	0.120	ug/L #	69
44) trans-1,3-Dichloropropene	7.625	75	647	0.081	ug/L	90
47) Tetrachloroethene	7.976	164	28366	3.999	ug/L	98
49) Dibromochloromethane	7.976	129	26658	4.594	ug/L #	11
61) 1,2,3-Trichloropropane	11.246	75	6608	1.884	ug/L #	62
68) 1,2-Dibromo-3-chloropr...	12.246	75	90	0.148	ug/L #	2

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Apr 09 06:16:16 2022
Response via : Initial Calibration

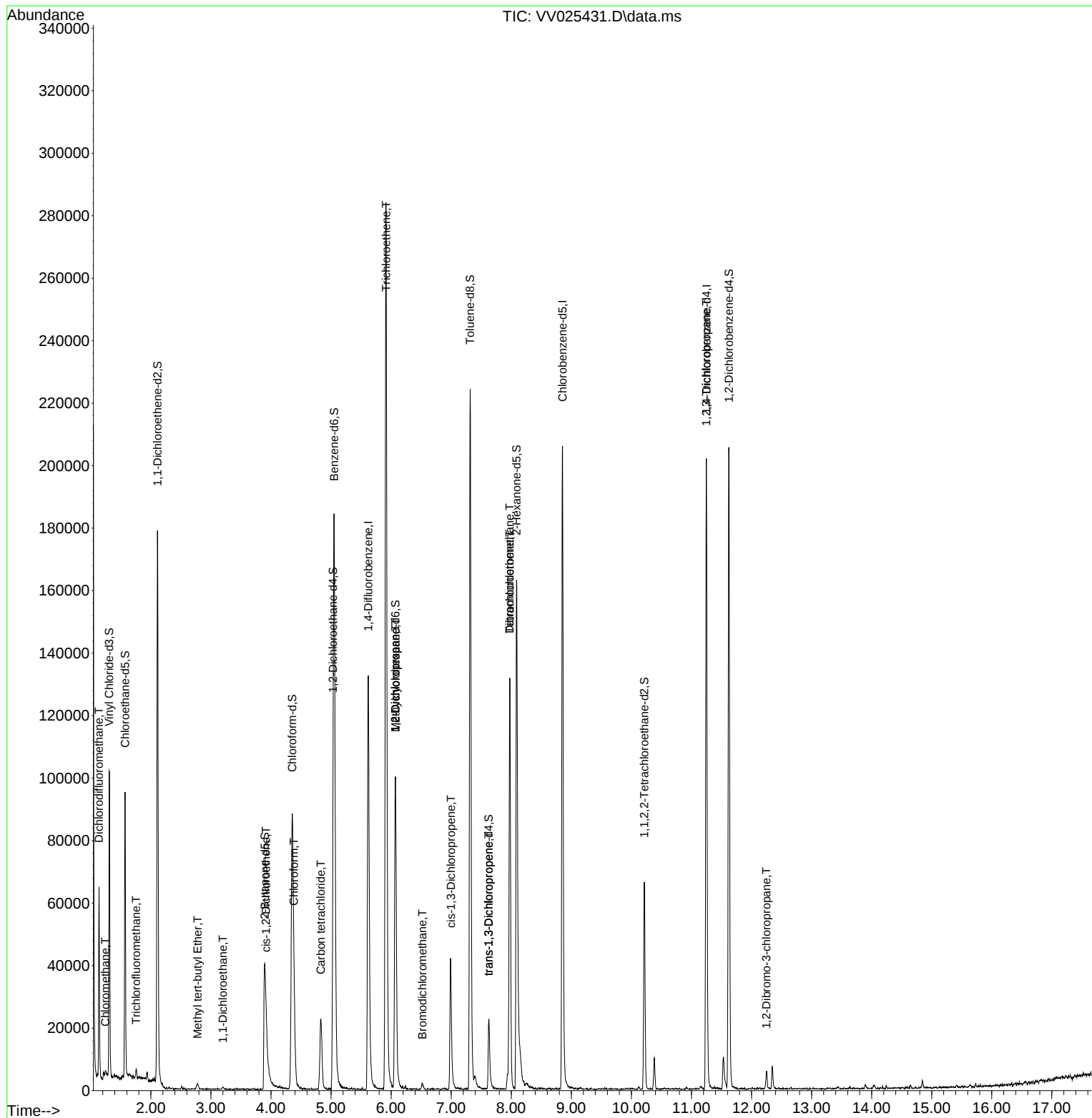
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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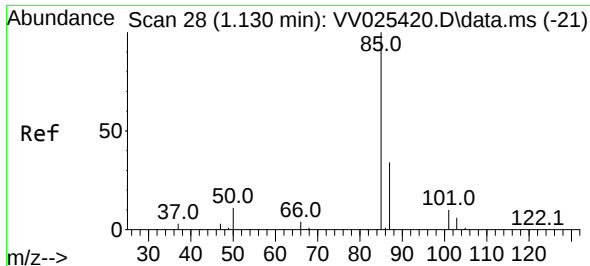
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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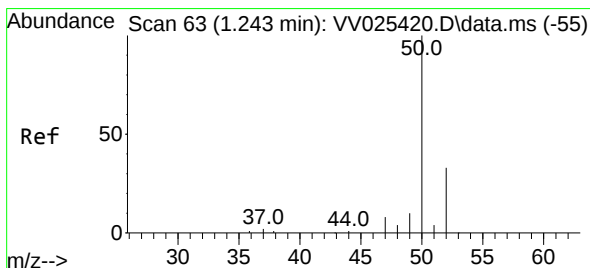
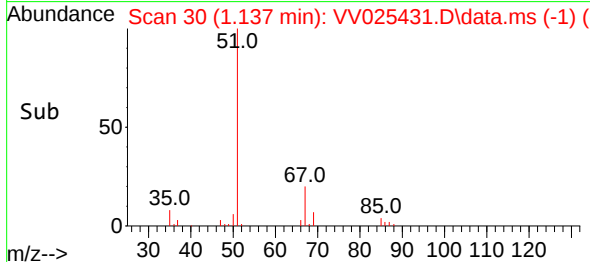
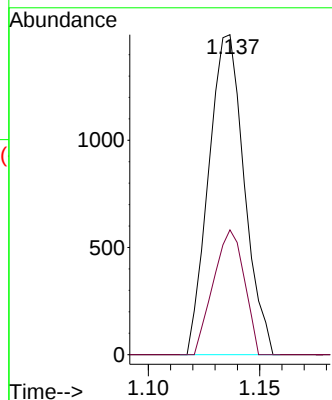
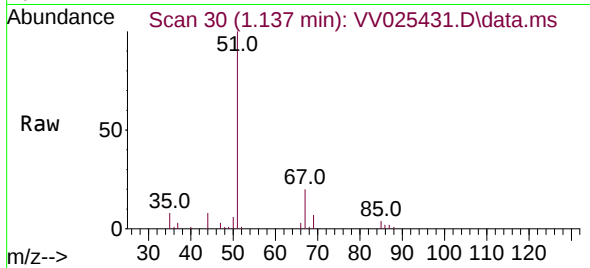




#2
 Dichlorodifluoromethane
 Concen: 0.154 ug/L
 RT: 1.137 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: VV025431.D
 Acq: 08 Apr 2022 23:49

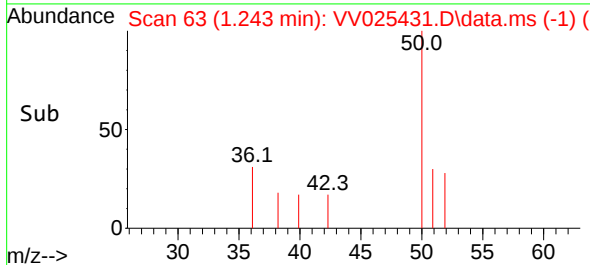
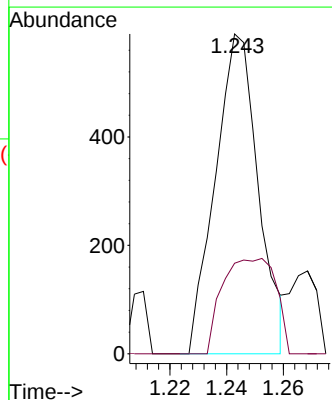
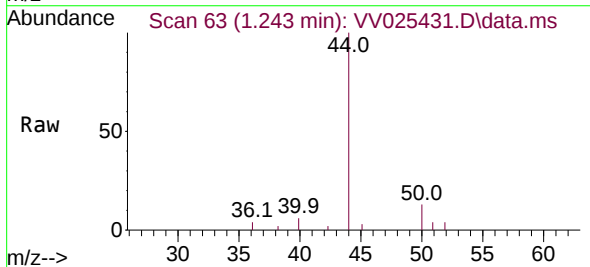
Instrument :
 MSVOA_V
 ClientSampleId :

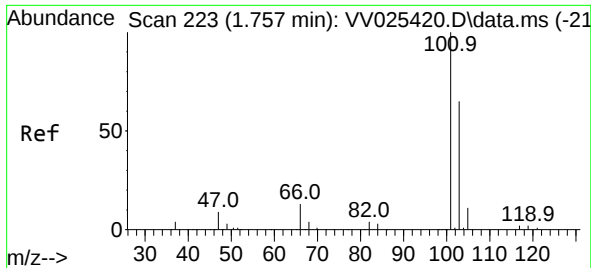
Tgt Ion: 85 Resp: 1660
 Ion Ratio Lower Upper
 85 100
 87 33.7 25.6 38.4



#3
 Chloromethane
 Concen: 0.053 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. -0.000 min
 Lab File: VV025431.D
 Acq: 08 Apr 2022 23:49

Tgt Ion: 50 Resp: 622
 Ion Ratio Lower Upper
 50 100
 52 28.3 23.7 43.9

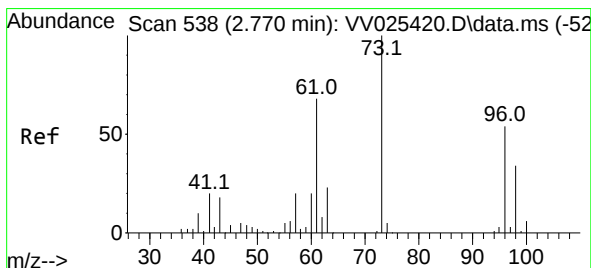
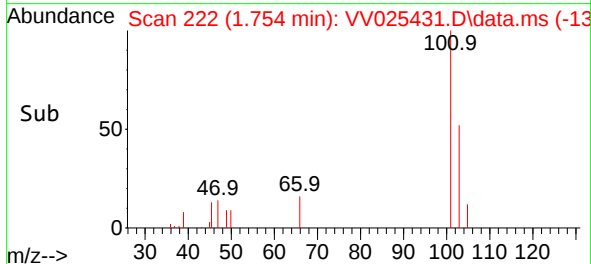
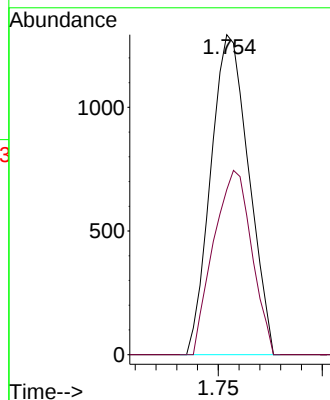
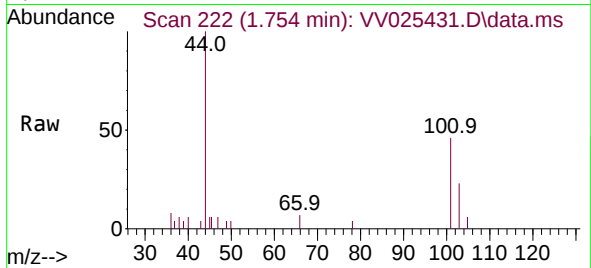




#9
Trichlorofluoromethane
Concen: 0.088 ug/L
RT: 1.754 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV025431.D
Acq: 08 Apr 2022 23:49

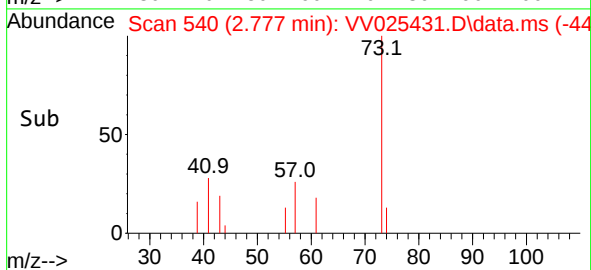
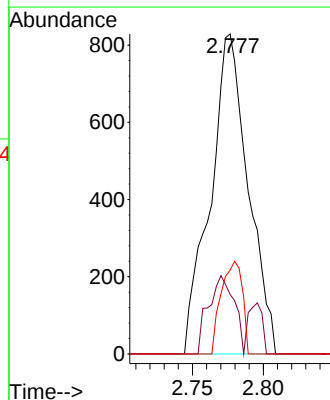
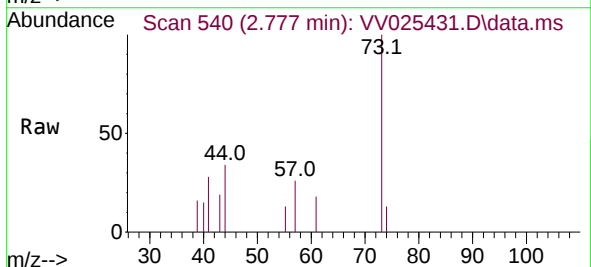
Instrument :
MSVOA_V
ClientSampleId :

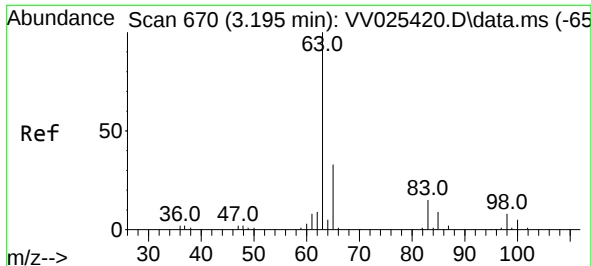
Tgt Ion:101 Resp: 1641
Ion Ratio Lower Upper
101 100
103 57.8 51.9 77.9



#17
Methyl tert-butyl Ether
Concen: 0.096 ug/L
RT: 2.777 min Scan# 540
Delta R.T. 0.006 min
Lab File: VV025431.D
Acq: 08 Apr 2022 23:49

Tgt Ion: 73 Resp: 1540
Ion Ratio Lower Upper
73 100
43 16.6 14.2 21.4
57 16.2 16.1 24.1





#19

1,1-Dichloroethane

Concen: 0.049 ug/L

RT: 3.198 min Scan# 6

Delta R.T. 0.003 min

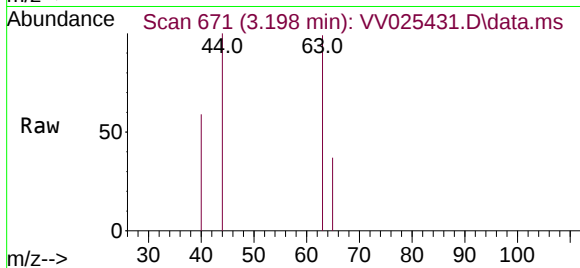
Lab File: VV025431.D

Acq: 08 Apr 2022 23:49

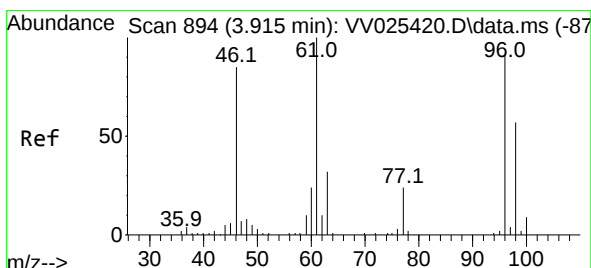
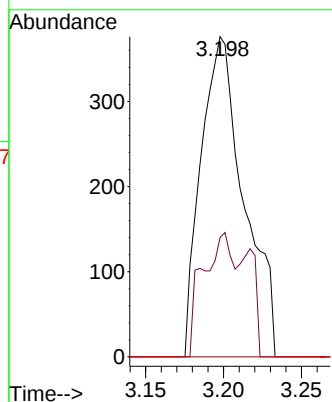
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 63	Resp: 720
Ion Ratio	Lower Upper
63	100
65	37.2 23.2 43.0
83	0.0 9.0 16.8#



#22

cis-1,2-Dichloroethene

Concen: 0.068 ug/L

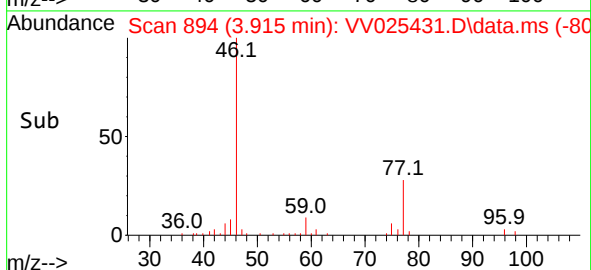
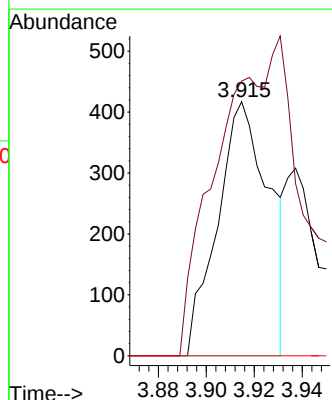
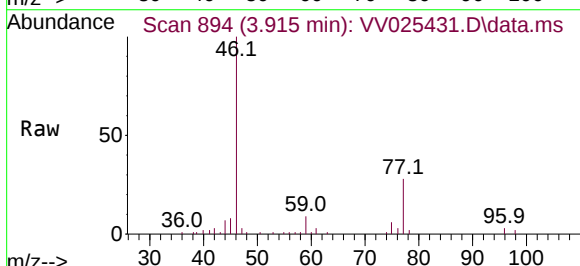
RT: 3.915 min Scan# 894

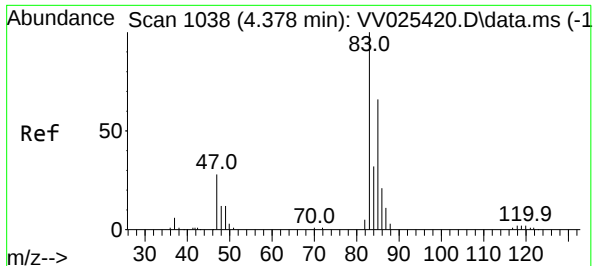
Delta R.T. -0.000 min

Lab File: VV025431.D

Acq: 08 Apr 2022 23:49

Tgt Ion: 96	Resp: 621
Ion Ratio	Lower Upper
96	100
61	108.2 80.0 148.6
68	0.0 0.0 0.0





#25

Chloroform

Concen: 1.756 ug/L

RT: 4.381 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV025431.D

Acq: 08 Apr 2022 23:49

Instrument :

MSVOA_V

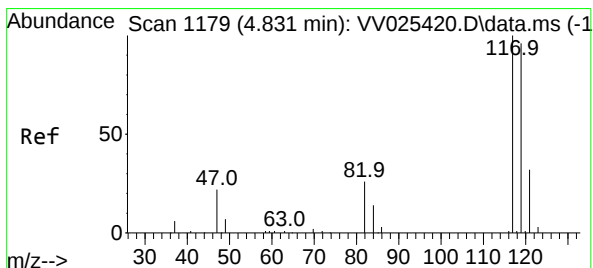
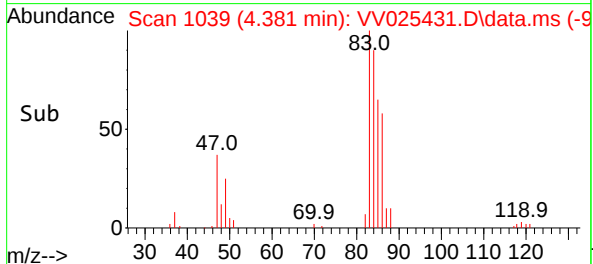
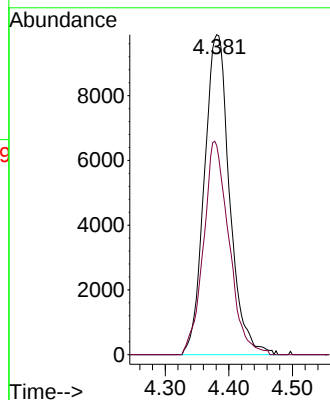
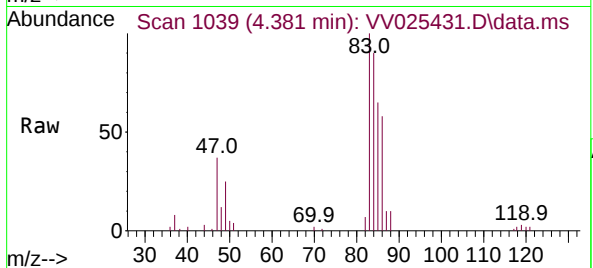
ClientSampleId :

Tgt Ion: 83 Resp: 27292

Ion Ratio Lower Upper

83 100

85 65.4 43.5 80.7



#31

Carbon tetrachloride

Concen: 1.507 ug/L

RT: 4.831 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VV025431.D

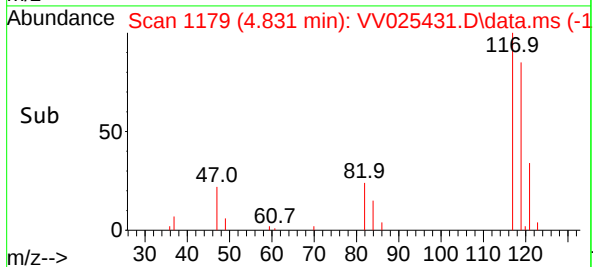
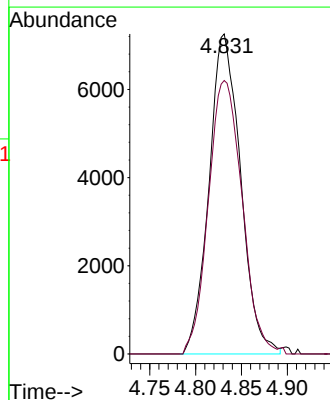
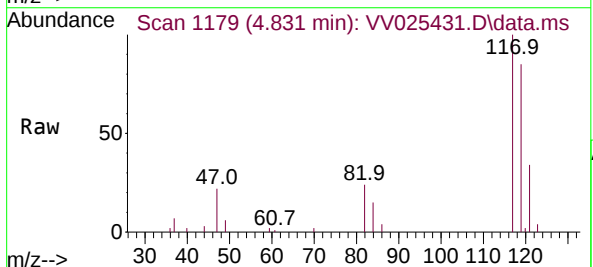
Acq: 08 Apr 2022 23:49

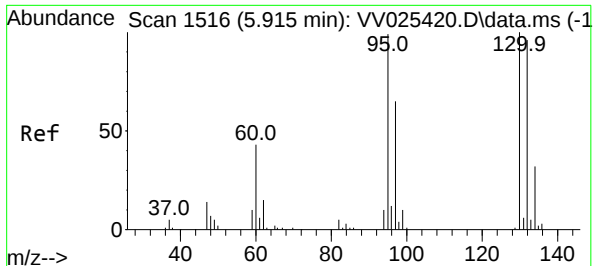
Tgt Ion: 117 Resp: 17358

Ion Ratio Lower Upper

117 100

119 91.4 76.6 114.8





#34

Trichloroethene

Concen: 10.842 ug/L

RT: 5.915 min Scan# 1

Delta R.T. -0.000 min

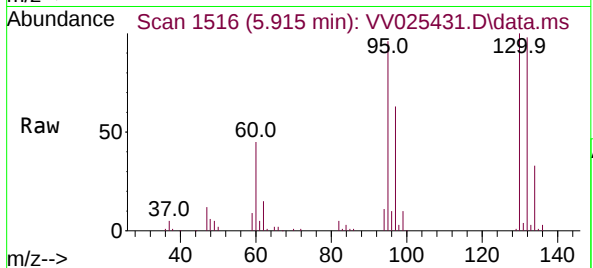
Lab File: VV025431.D

Acq: 08 Apr 2022 23:49

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 98224

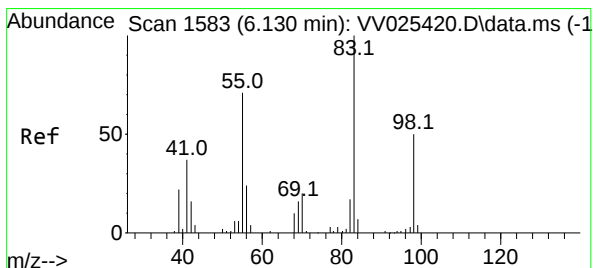
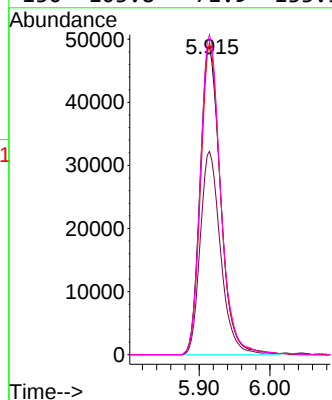
Ion Ratio Lower Upper

95 100

97 65.9 45.8 85.2

132 101.3 68.0 126.4

130 103.8 71.9 133.5



#35

Methylcyclohexane

Concen: 0.821 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.058 min

Lab File: VV025431.D

Acq: 08 Apr 2022 23:49

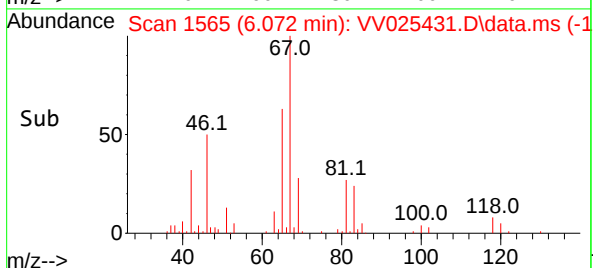
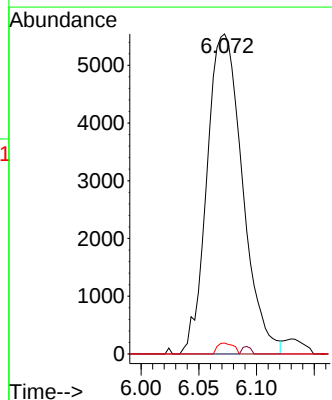
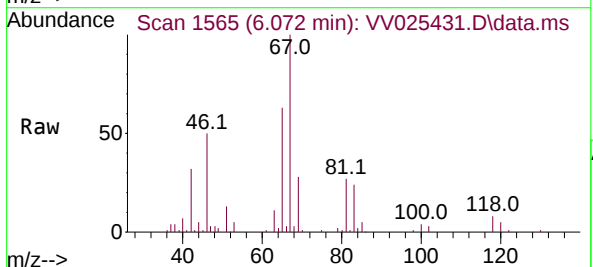
Tgt Ion: 83 Resp: 11867

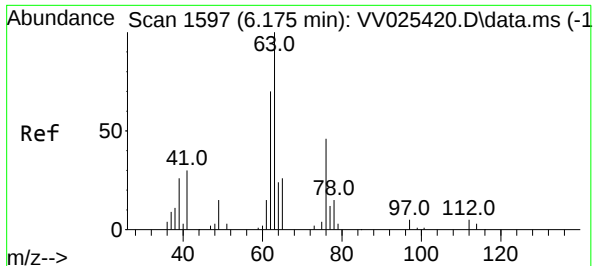
Ion Ratio Lower Upper

83 100

55 0.6 53.7 80.5#

98 1.6 39.6 59.4#





#37

1,2-Dichloropropane

Concen: 0.706 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV025431.D

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Instrument :

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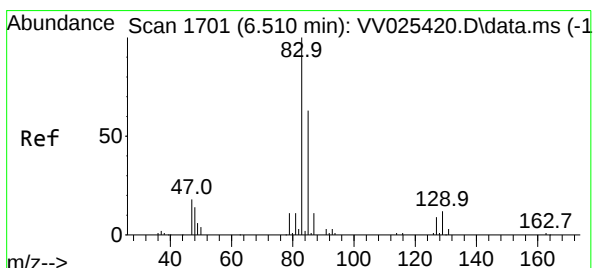
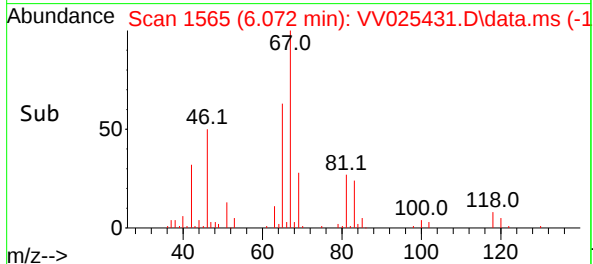
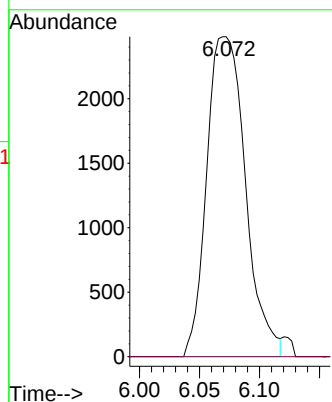
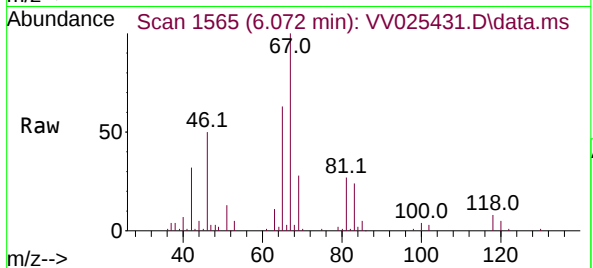
ClientSampleId :

Tgt Ion: 63 Resp: 5571

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#38

Bromodichloromethane

Concen: 0.186 ug/L

RT: 6.522 min Scan# 1705

Delta R.T. 0.013 min

Lab File: VV025431.D

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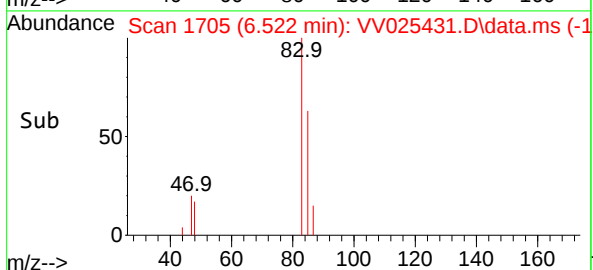
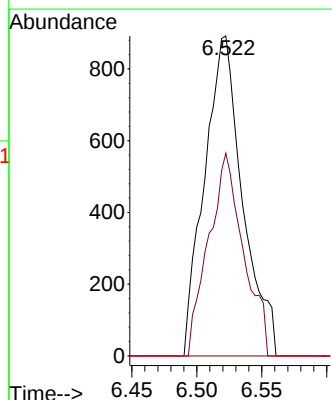
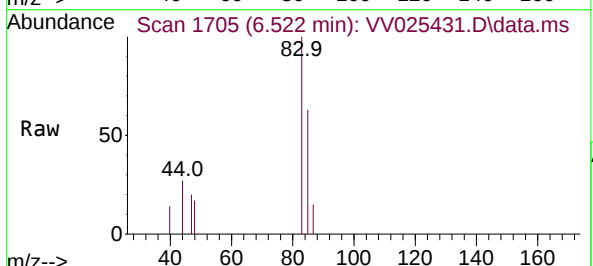
Tgt Ion: 83 Resp: 1821

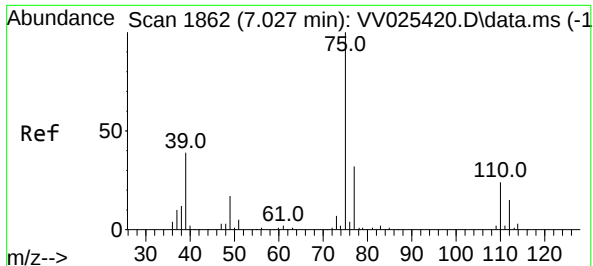
Ion Ratio Lower Upper

83 100

85 63.3 44.4 82.4

127 0.0 7.2 10.8#





#39

cis-1,3-Dichloropropene

Concen: 0.120 ug/L

RT: 6.995 min Scan# 11

Delta R.T. -0.032 min

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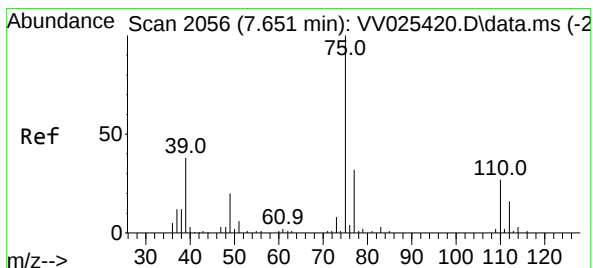
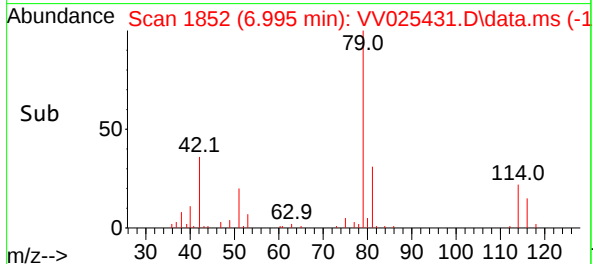
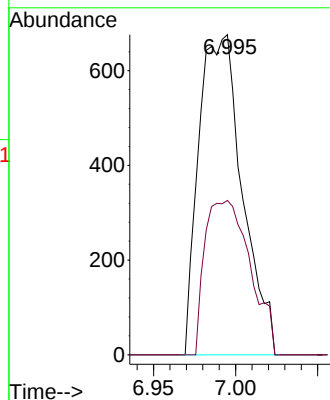
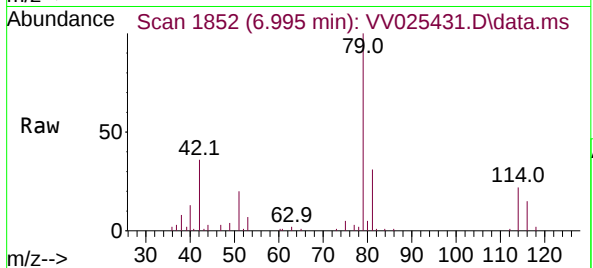
ClientSampleId :

Tgt Ion: 75 Resp: 1245

Ion Ratio Lower Upper

75 100

77 48.2 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.625 min Scan# 2048

Delta R.T. -0.026 min

Lab File: VV025431.D

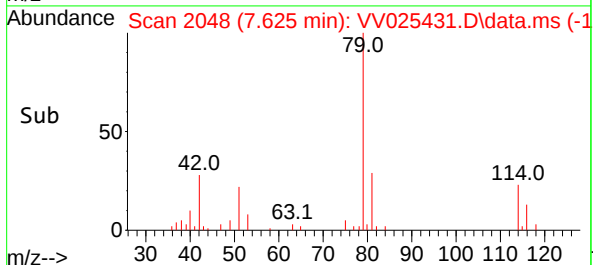
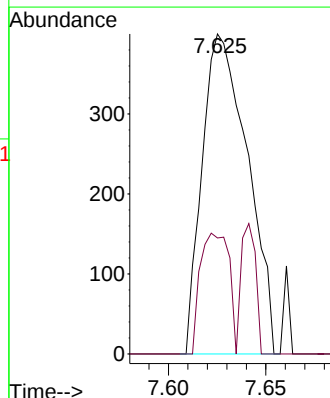
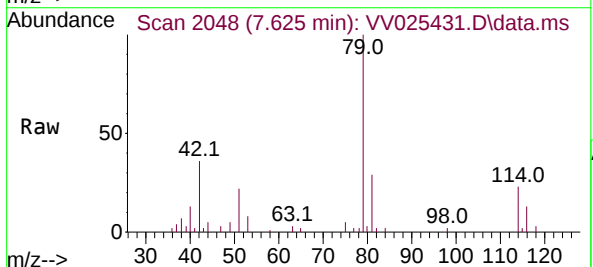
Acq: 08 Apr 2022 23:49

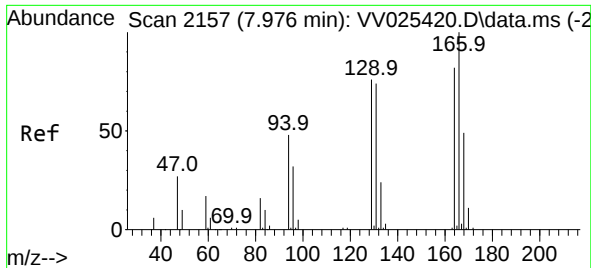
Tgt Ion: 75 Resp: 647

Ion Ratio Lower Upper

75 100

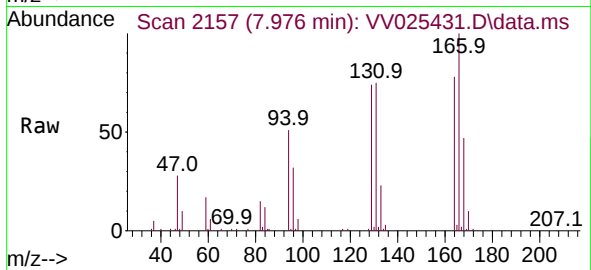
77 36.3 21.7 40.3



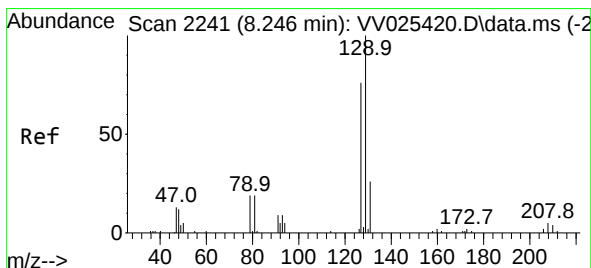
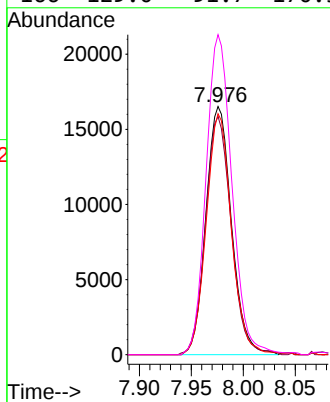
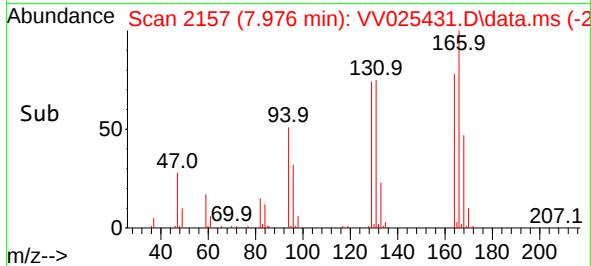


#47
Tetrachloroethene
Concen: 3.999 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.000 min
Lab File: VV025431.D
Acq: 08 Apr 2022 23:49

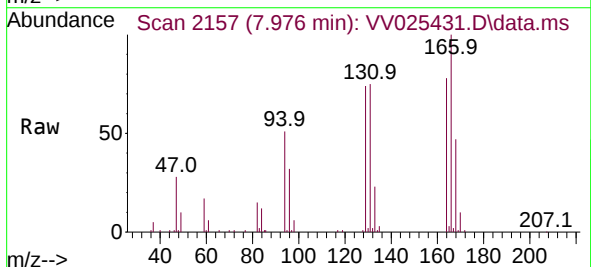
Instrument :
MSVOA_V
ClientSampleId :



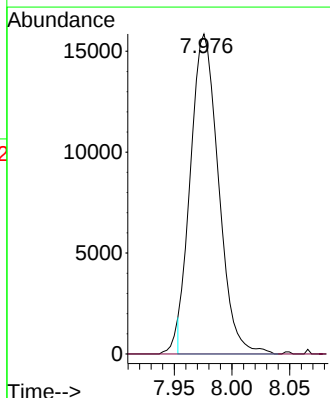
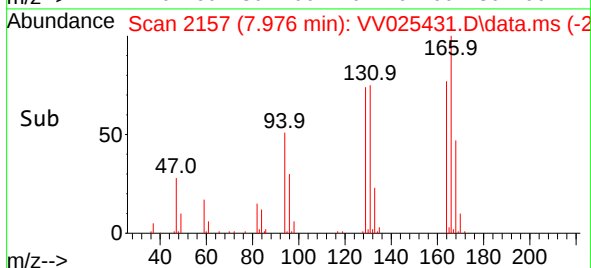
Tgt Ion:164 Resp: 28366
Ion Ratio Lower Upper
164 100
129 96.0 66.8 124.2
131 97.1 66.4 123.4
166 129.0 91.7 170.3

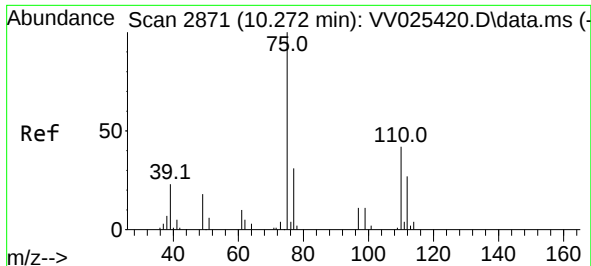


#49
Dibromochloromethane
Concen: 4.594 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.270 min
Lab File: VV025431.D
Acq: 08 Apr 2022 23:49



Tgt Ion:129 Resp: 26658
Ion Ratio Lower Upper
129 100
127 0.0 53.8 100.0#

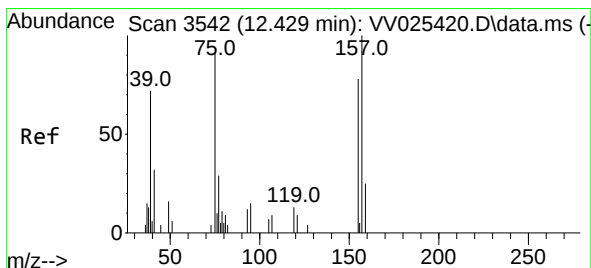
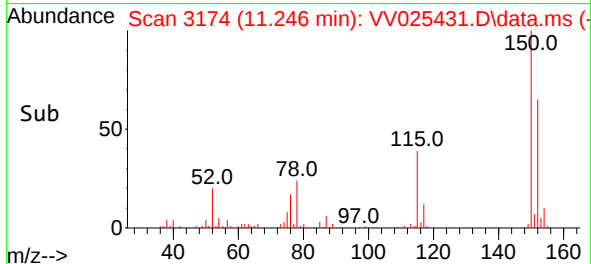
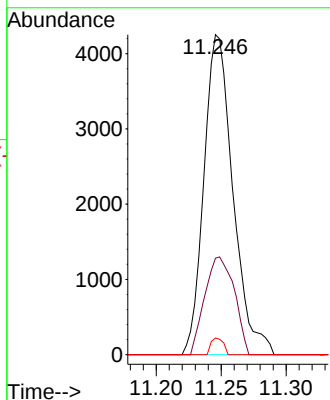
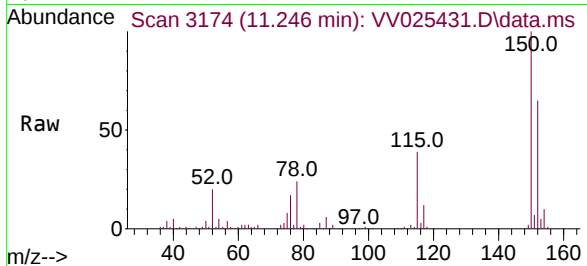




#61
1,2,3-Trichloropropane
Concen: 1.884 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV025431.D
Acq: 08 Apr 2022 23:49

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 6608
Ion Ratio Lower Upper
75 100
77 31.0 25.6 38.4
110 2.2 34.7 52.1#



#68
1,2-Dibromo-3-chloropropane
Concen: 0.148 ug/L
RT: 12.246 min Scan# 3485
Delta R.T. -0.183 min
Lab File: VV025431.D
Acq: 08 Apr 2022 23:49

Tgt Ion: 75 Resp: 90
Ion Ratio Lower Upper
75 100
155 0.0 65.8 98.8#
157 0.0 86.6 130.0#

