

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031522\
 Data File : VU047567.D
 Acq On : 15 Mar 2022 11:12
 Operator : SY/MD
 Sample : N1840-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 16 06:44:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR031422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 16 06:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.285	114	126513	5.000	ug/L	0.03
28) Chlorobenzene-d5	9.426	117	126081	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	71165	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.617	65	35340	4.271	ug/L	0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.400%
7) Chloroethane-d5	1.938	69	35960	4.789	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.800%
11) 1,1-Dichloroethene-d2	2.584	65	16965	4.372	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.400%
20) 2-Butanone-d5	4.745	46	129129	54.241	ug/L	0.10
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.480%
24) Chloroform-d	5.089	84	79651	4.384	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.600%
26) 1,2-Dichloroethane-d4	5.751	65	45228	4.594	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
32) Benzene-d6	5.771	84	150415	4.098	ug/L	0.04
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
36) 1,2-Dichloropropane-d6	6.722	67	53084	4.599	ug/L	0.03
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.000%
41) Toluene-d8	7.915	98	130719	3.799	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.000%
43) trans-1,3-Dichloroprop...	8.198	79	20129	4.148	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.000%
46) 2-Hexanone-d5	8.655	63	119054	47.330	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.660%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	51412	4.460	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	62498	4.203	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.620	62	1917	0.244	ug/L #	50
8) Chloroethane	1.961	64	2131	0.448	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	469	0.072	ug/L #	18
12) 1,1-Dichloroethene	2.597	96	4161	0.660	ug/L #	1
15) Methyl Acetate	2.973	43	1706	0.666	ug/L #	48
16) Methylene chloride	3.067	84	7330	0.788	ug/L	93
17) Methyl tert-butyl Ether	3.411	73	328187	20.294	ug/L	98
18) trans-1,2-Dichloroethene	3.362	96	611	0.090	ug/L #	75
19) 1,1-Dichloroethane	3.886	63	4705	0.395	ug/L	97
21) 2-Butanone	4.829	43	7240	4.100	ug/L #	61
22) cis-1,2-Dichloroethene	4.687	96	169739	22.580	ug/L	99
27) 1,2-Dichloroethane	5.819	62	1505	0.180	ug/L #	74
29) 1,1,1-Trichloroethane	5.349	97	1216	0.108	ug/L #	81
33) Benzene	5.816	78	163297	5.732	ug/L	100
34) Trichloroethene	6.574	95	99689	13.206	ug/L	98
35) Methylcyclohexane	6.726	83	12677	1.167	ug/L #	54
37) 1,2-Dichloropropane	6.726	63	5591	0.766	ug/L #	87
38) Bromodichloromethane	6.919	83	603	0.060	ug/L #	41
39) cis-1,3-Dichloropropene	7.587	75	1394	0.123	ug/L #	34

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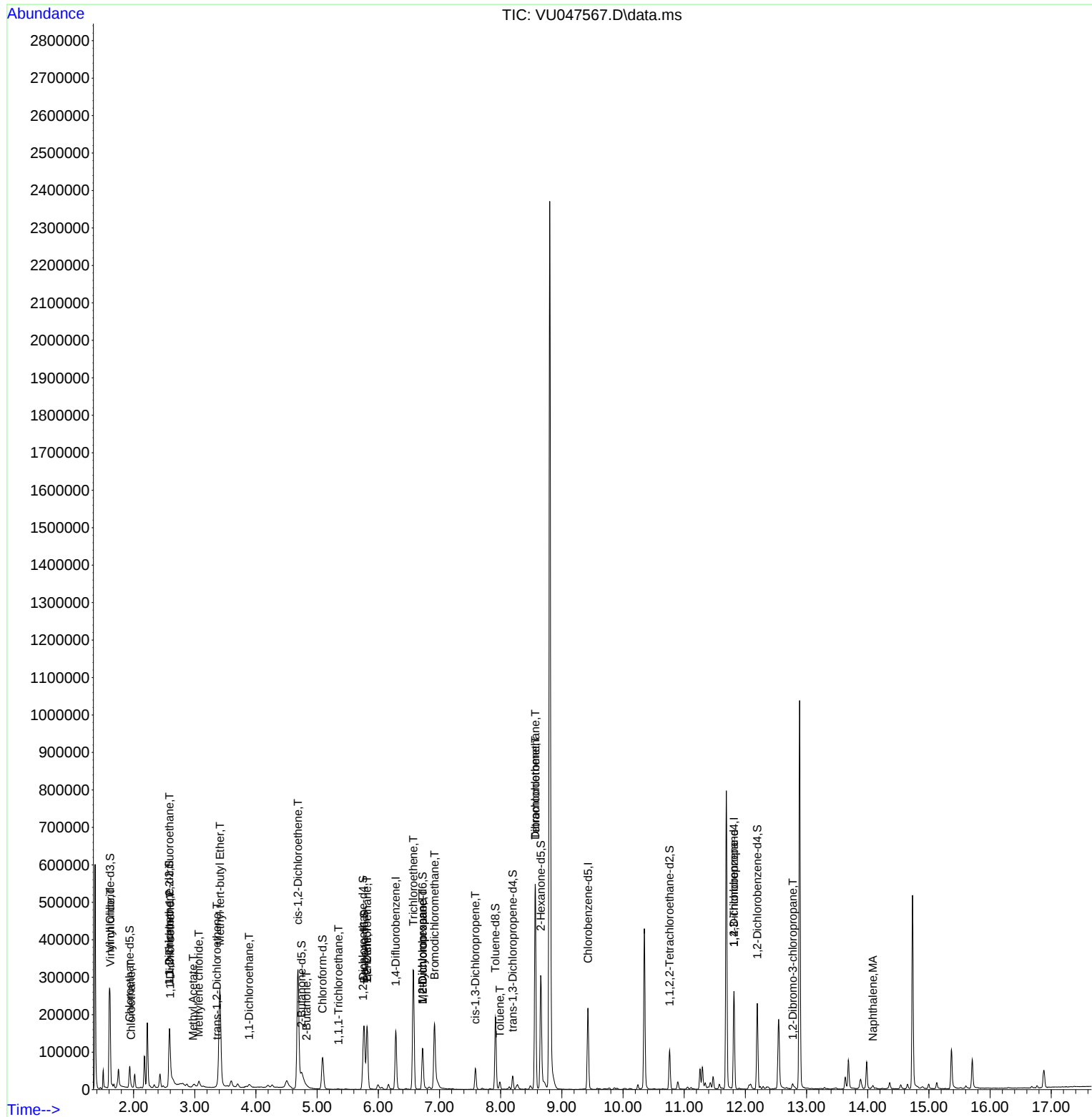
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.986	91	13997	0.453	ug/L	99
47) Tetrachloroethene	8.565	164	126172	19.595	ug/L	99
49) Dibromochloromethane	8.565	129	114234	14.817	ug/L #	11
61) 1,2,3-Trichloropropane	11.812	75	7789	1.305	ug/L #	64
68) 1,2-Dibromo-3-chloropr...	12.777	75	204	0.142	ug/L #	1
71) Naphthalene	14.085	128	4929	0.199	ug/L	98

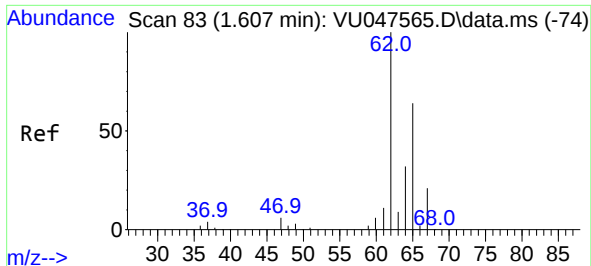
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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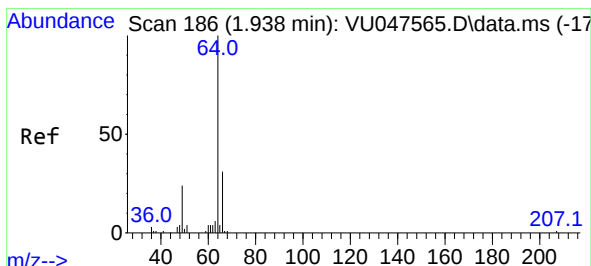
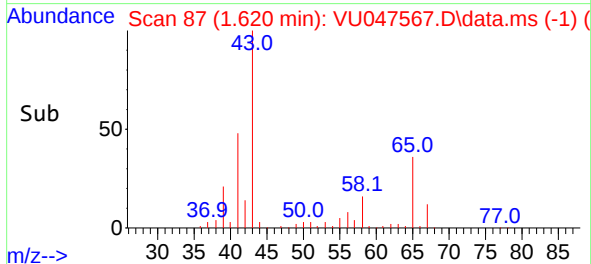
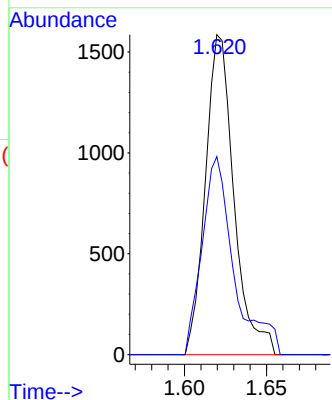
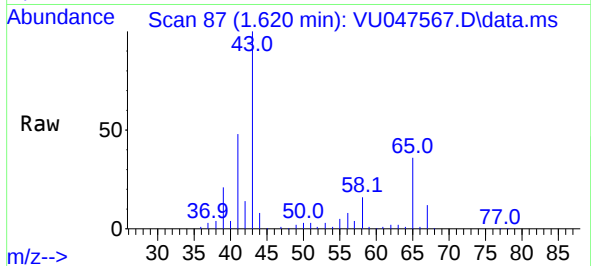




#5
 Vinyl chloride
 Concen: 0.244 ug/L
 RT: 1.620 min Scan# 81
 Delta R.T. 0.013 min
 Lab File: VU047567.D
 Acq: 15 Mar 2022 11:12

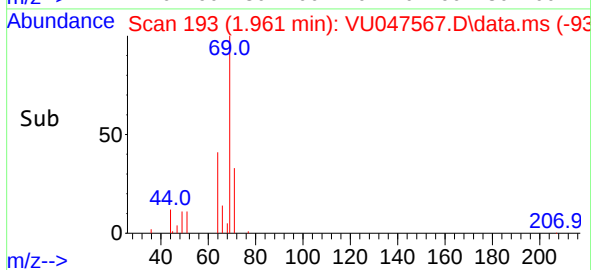
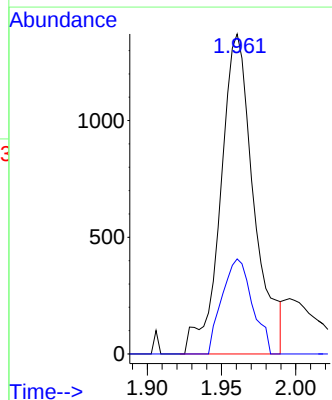
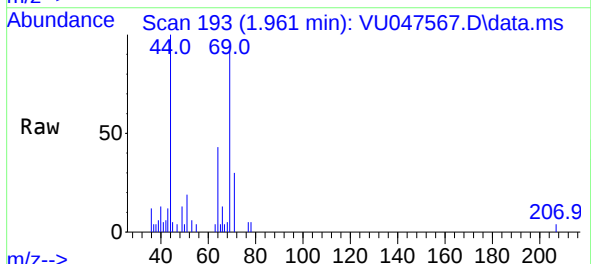
Instrument :
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 ClientSampleId :

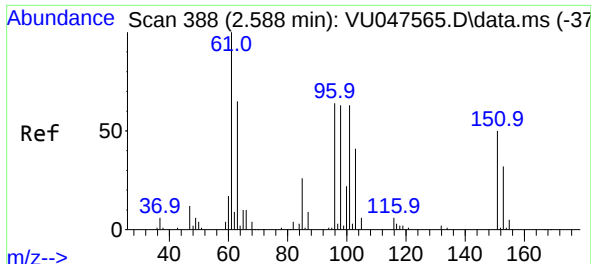
Tgt Ion: 62 Resp: 1917
 Ion Ratio Lower Upper
 62 100
 64 61.9 23.5 43.7#



#8
 Chloroethane
 Concen: 0.448 ug/L
 RT: 1.961 min Scan# 193
 Delta R.T. 0.022 min
 Lab File: VU047567.D
 Acq: 15 Mar 2022 11:12

Tgt Ion: 64 Resp: 2131
 Ion Ratio Lower Upper
 64 100
 66 29.7 22.0 40.8

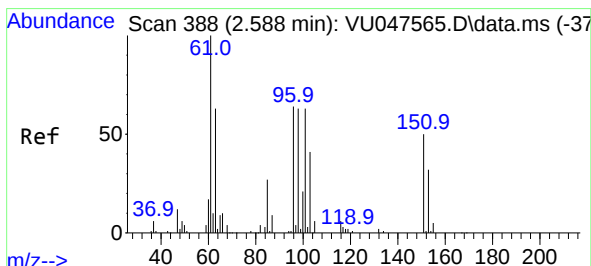
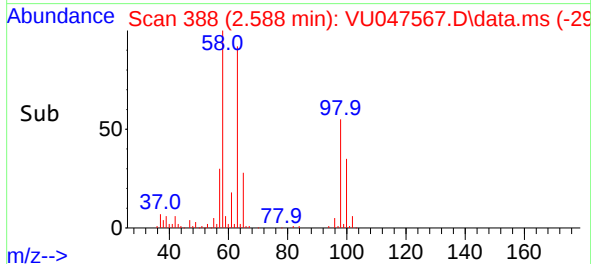
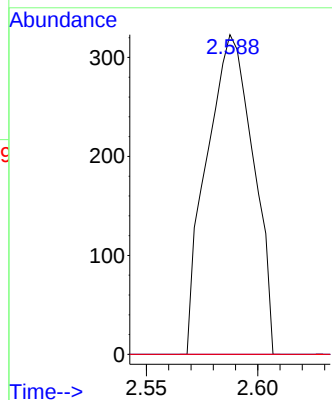
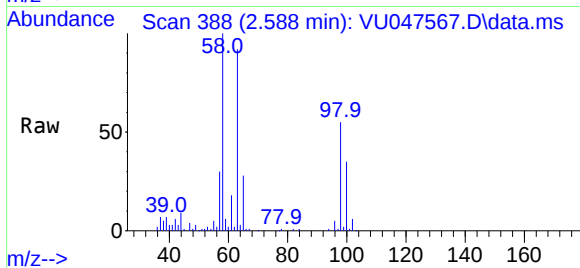




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.072 ug/L
 RT: 2.588 min Scan# 310
 Delta R.T. -0.000 min
 Lab File: VU047567.D
 Acq: 15 Mar 2022 11:12

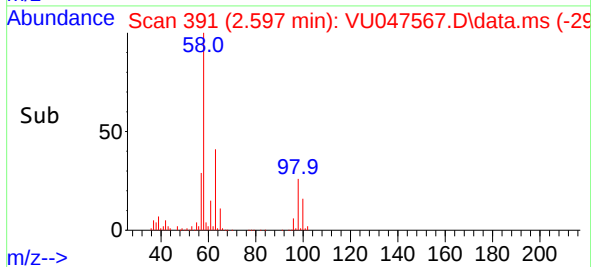
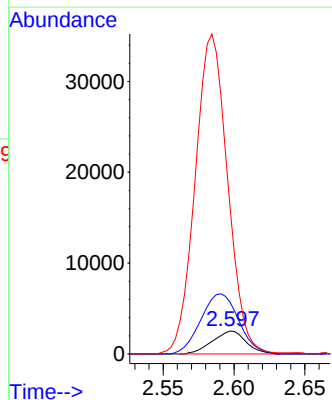
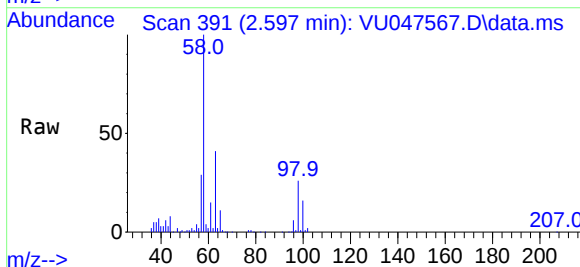
Instrument :
 MSVOA_U
 ClientSampleId :

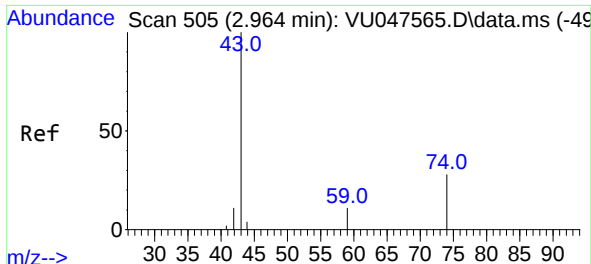
Tgt Ion:101 Resp: 469
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.0 51.0#
 151 0.0 63.8 95.6#



#12
 1,1-Dichloroethene
 Concen: 0.660 ug/L
 RT: 2.597 min Scan# 391
 Delta R.T. 0.010 min
 Lab File: VU047567.D
 Acq: 15 Mar 2022 11:12

Tgt Ion: 96 Resp: 4161
 Ion Ratio Lower Upper
 96 100
 61 226.4 111.4 207.0#
 63 637.7 106.6 198.0#

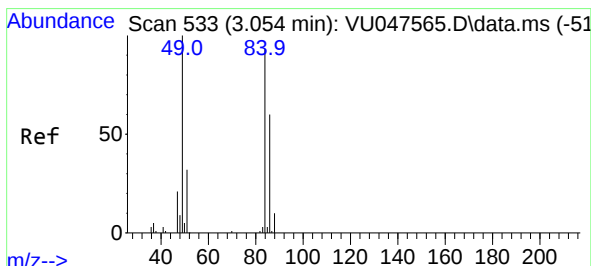
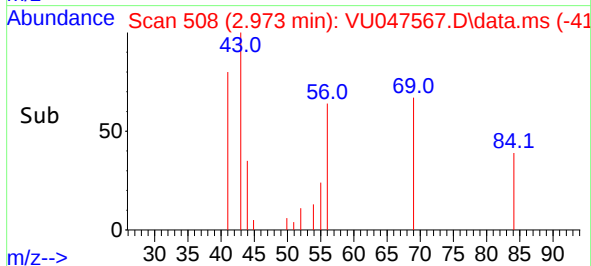
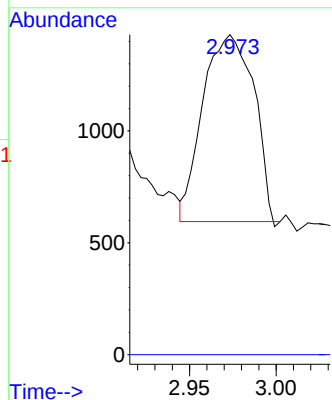
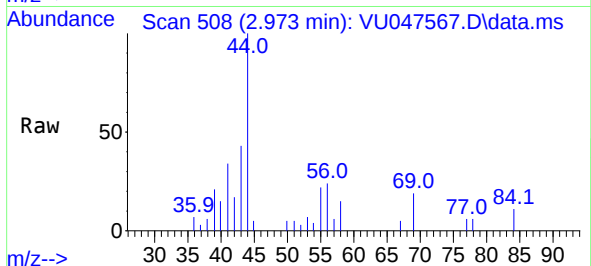




#15
Methyl Acetate
Concen: 0.666 ug/L
RT: 2.973 min Scan# 505
Delta R.T. 0.010 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

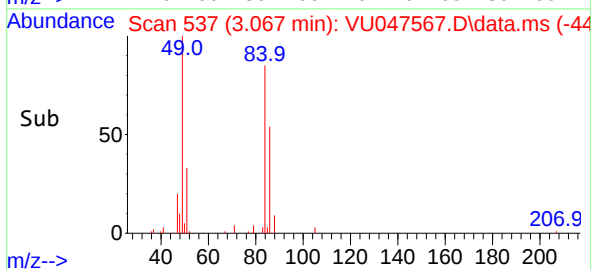
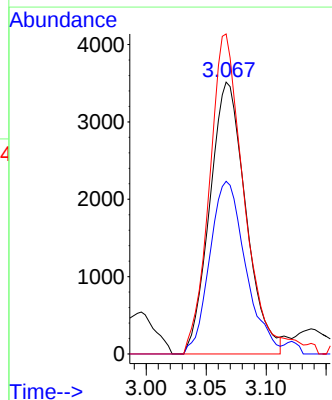
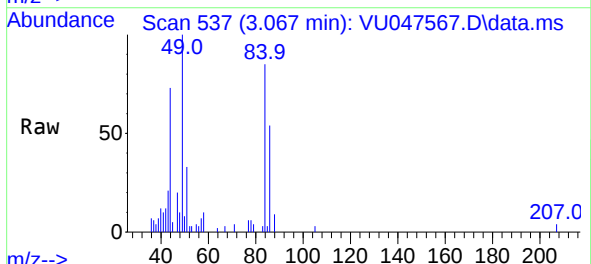
Instrument :
MSVOA_U
ClientSampleId :

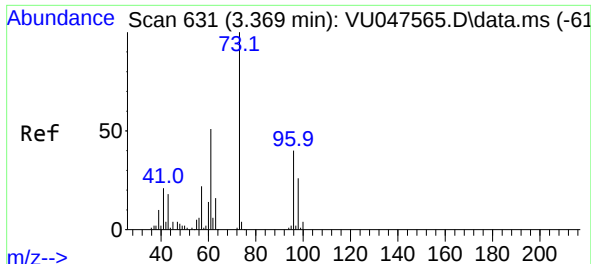
Tgt Ion: 43 Resp: 1706
Ion Ratio Lower Upper
43 100
74 0.0 21.8 32.6#



#16
Methylene chloride
Concen: 0.788 ug/L
RT: 3.067 min Scan# 537
Delta R.T. 0.013 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Tgt Ion: 84 Resp: 7330
Ion Ratio Lower Upper
84 100
86 63.5 45.4 84.4
49 117.7 75.0 139.4





#17

Methyl tert-butyl Ether

Concen: 20.294 ug/L

RT: 3.411 min Scan# 644

Delta R.T. 0.042 min

Lab File: VU047567.D

Acq: 15 Mar 2022 11:12

Instrument :

MSVOA_U

ClientSampleId :

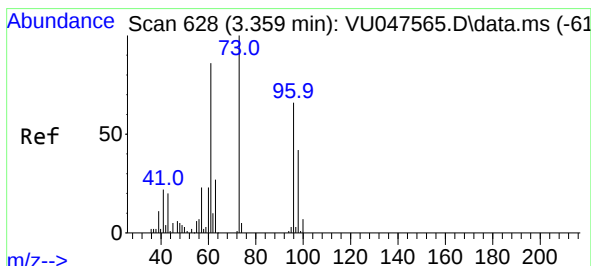
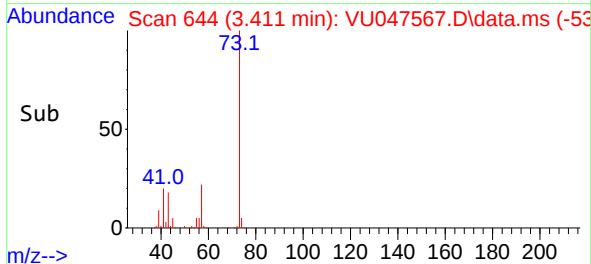
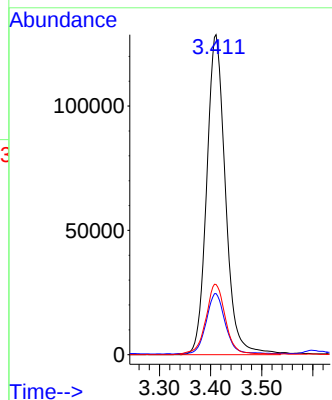
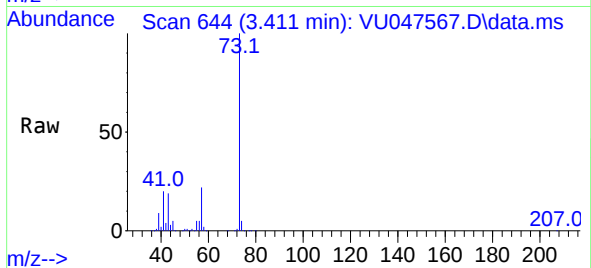
Tgt Ion: 73 Resp: 328187

Ion Ratio Lower Upper

73 100

43 19.3 15.2 22.8

57 23.1 17.2 25.8



#18

trans-1,2-Dichloroethene

Concen: 0.090 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.003 min

Lab File: VU047567.D

Acq: 15 Mar 2022 11:12

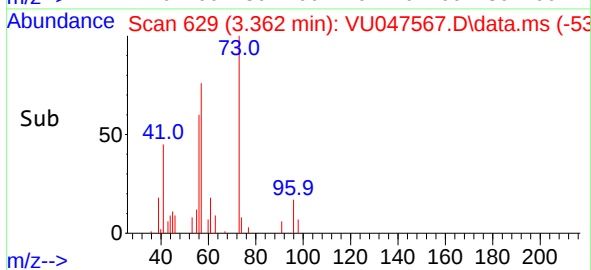
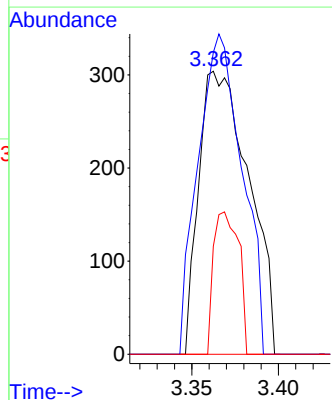
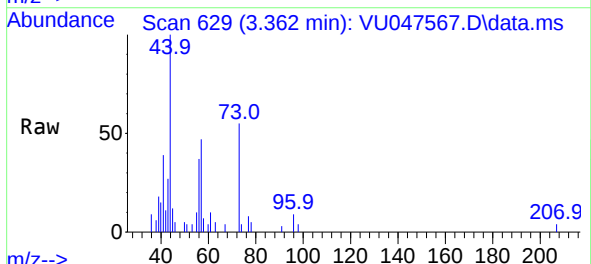
Tgt Ion: 96 Resp: 611

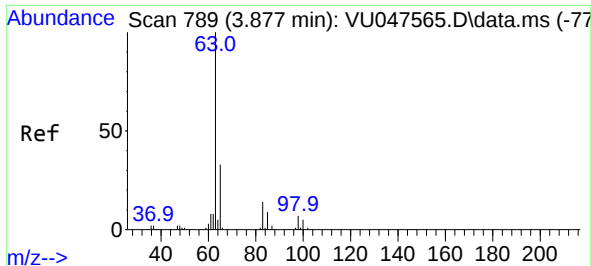
Ion Ratio Lower Upper

96 100

61 106.6 91.7 170.3

98 38.2 45.1 83.7#



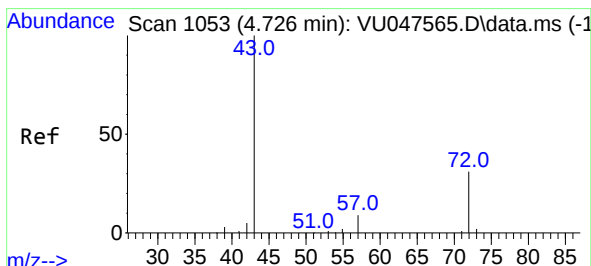
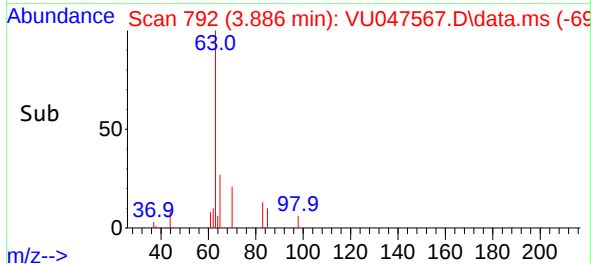
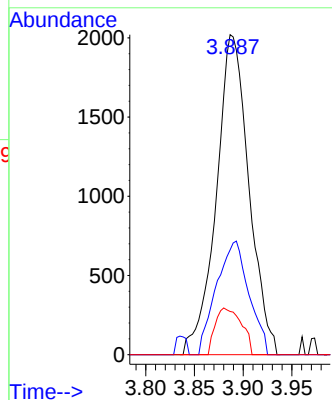
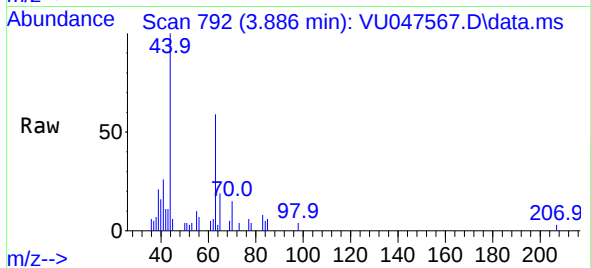


#19
1,1-Dichloroethane
Concen: 0.395 ug/L
RT: 3.886 min Scan# 791
Delta R.T. 0.010 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 63 Resp: 4705

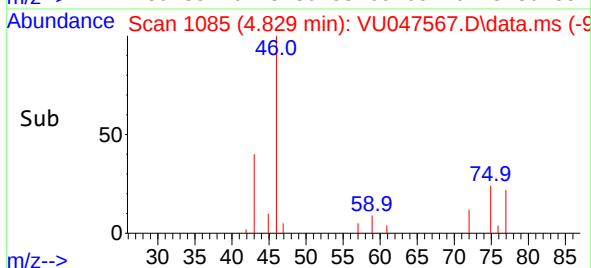
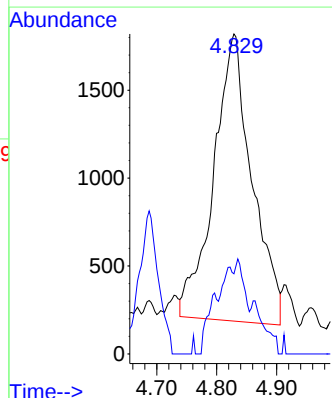
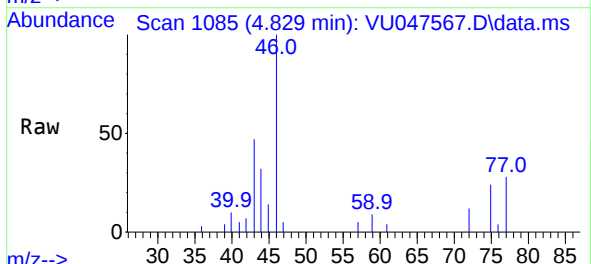
Ion	Ratio	Lower	Upper
63	100		
65	32.7	21.8	40.6
83	13.5	10.8	20.0

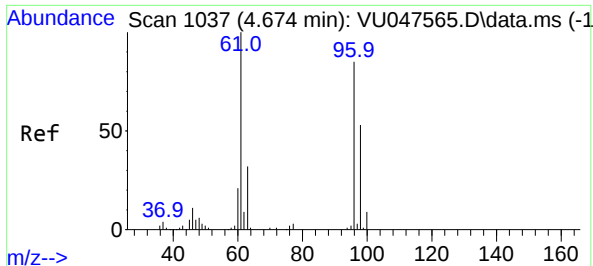


#21
2-Butanone
Concen: 4.100 ug/L
RT: 4.829 min Scan# 1085
Delta R.T. 0.103 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Tgt Ion: 43 Resp: 7240

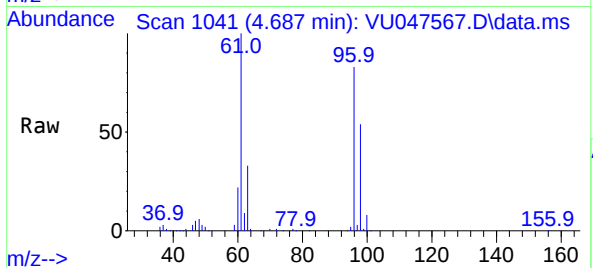
Ion	Ratio	Lower	Upper
43	100		
72	8.7	14.9	44.7#





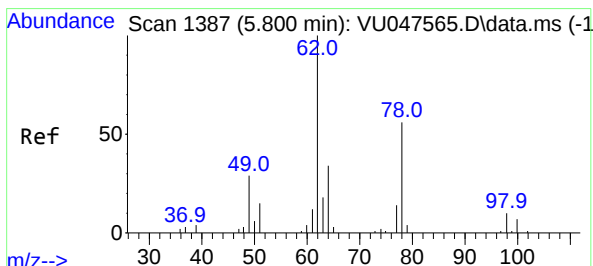
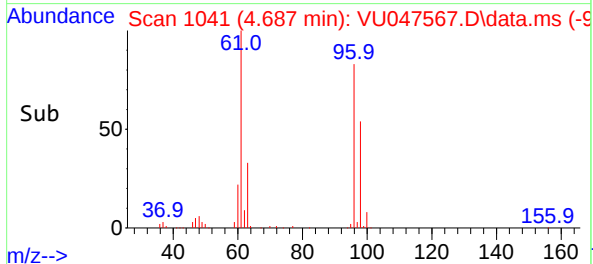
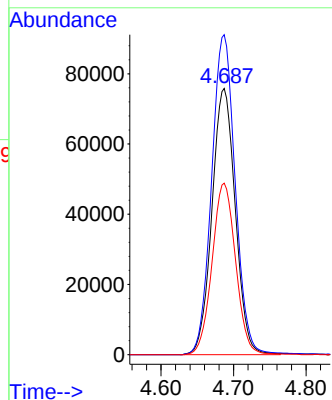
#22
 cis-1,2-Dichloroethene
 Concen: 22.580 ug/L
 RT: 4.687 min Scan# 1041
 Delta R.T. 0.013 min
 Lab File: VU047567.D
 Acq: 15 Mar 2022 11:12

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 169739

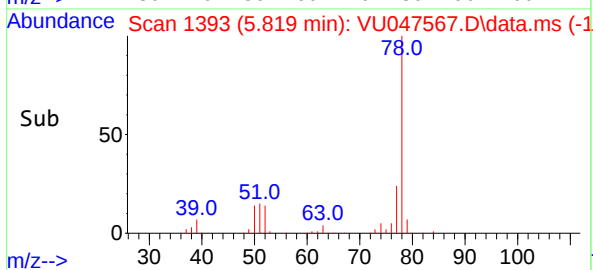
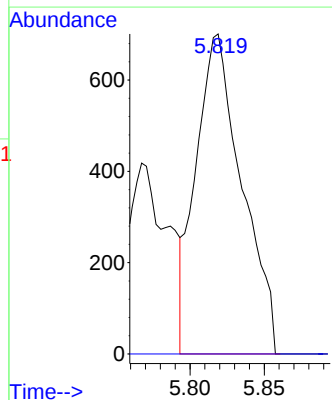
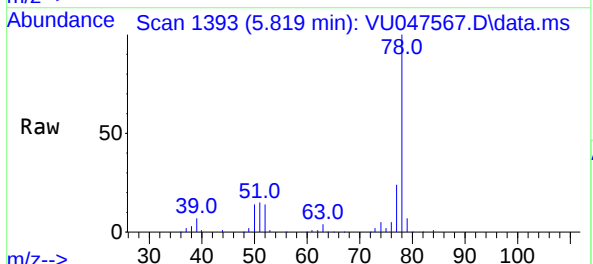
Ion	Ratio	Lower	Upper
96	100		
61	120.2	83.9	155.7
98	64.4	46.4	86.2

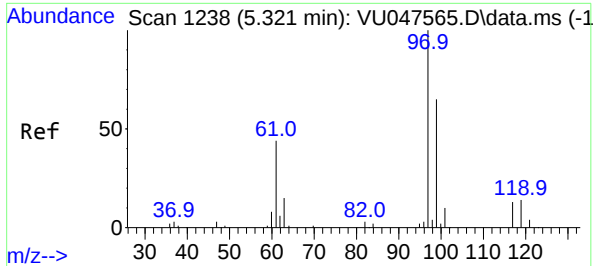


#27
 1,2-Dichloroethane
 Concen: 0.180 ug/L
 RT: 5.819 min Scan# 1393
 Delta R.T. 0.019 min
 Lab File: VU047567.D
 Acq: 15 Mar 2022 11:12

Tgt Ion: 62 Resp: 1505

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.7	11.5#

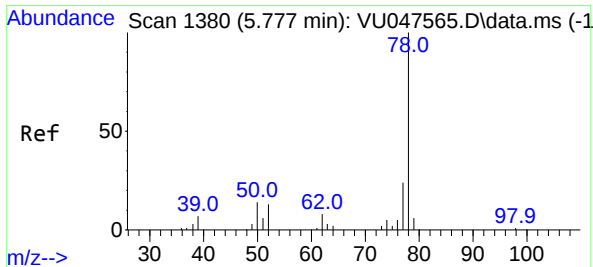
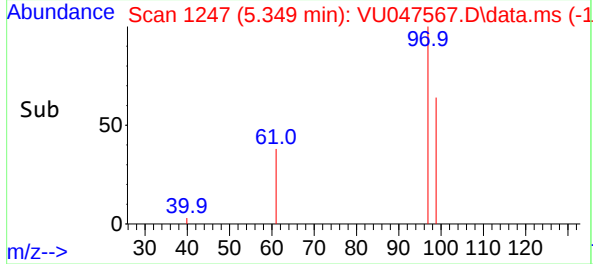
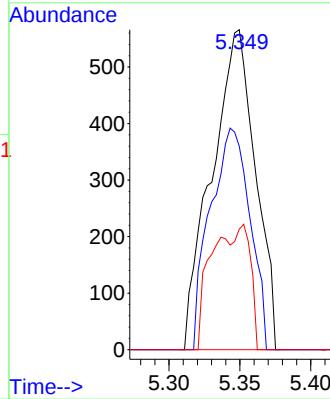
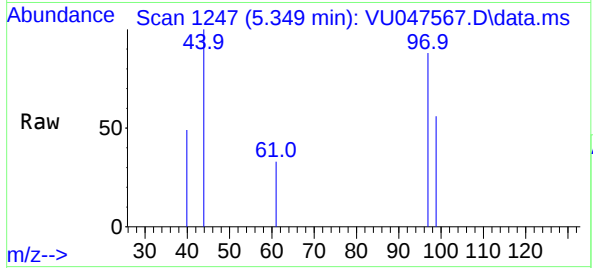




#29
1,1,1-Trichloroethane
Concen: 0.108 ug/L
RT: 5.349 min Scan# 11
Delta R.T. 0.029 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

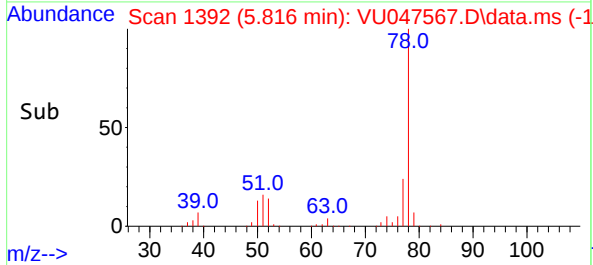
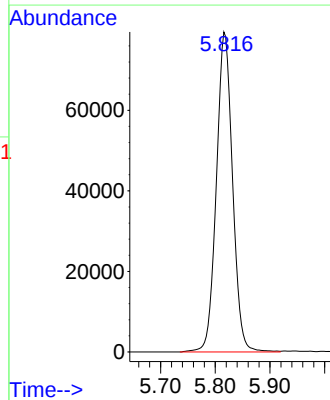
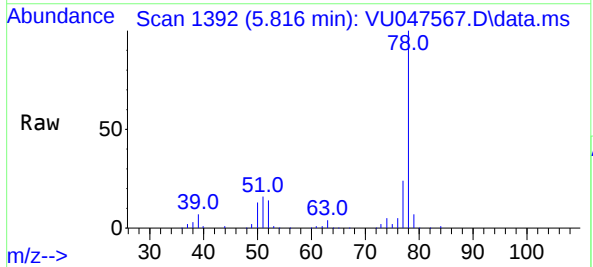
Instrument :
MSVOA_U
ClientSampleId :

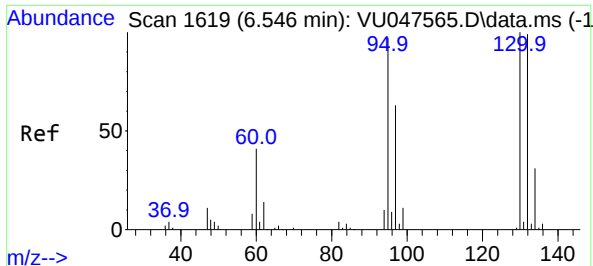
Tgt Ion: 97 Resp: 1216
Ion Ratio Lower Upper
97 100
99 62.8 51.2 76.8
61 15.0 35.0 52.4#



#33
Benzene
Concen: 5.732 ug/L
RT: 5.816 min Scan# 1392
Delta R.T. 0.038 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

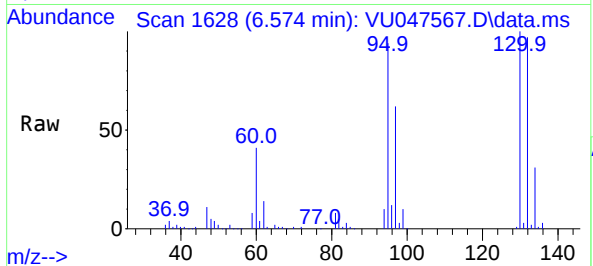
Tgt Ion: 78 Resp: 163297



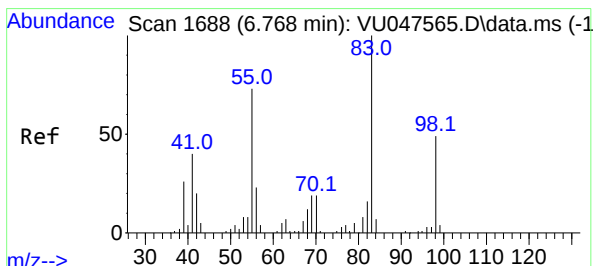
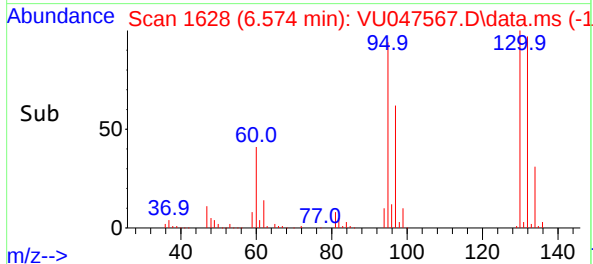
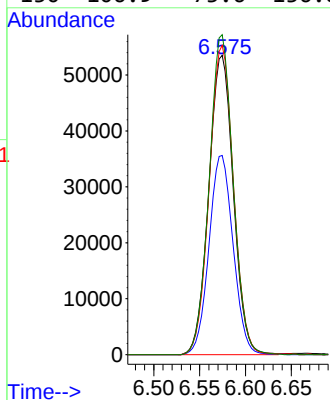


#34
Trichloroethene
Concen: 13.206 ug/L
RT: 6.574 min Scan# 1628
Delta R.T. 0.029 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Instrument :
MSVOA_U
ClientSampleId :

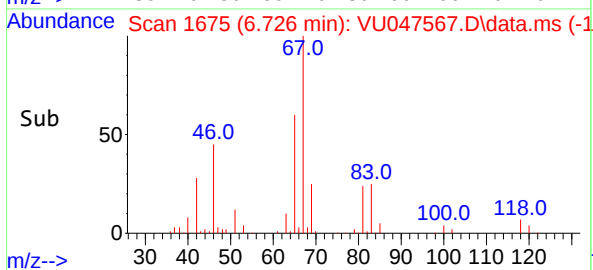
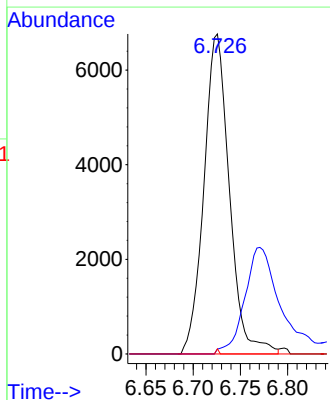
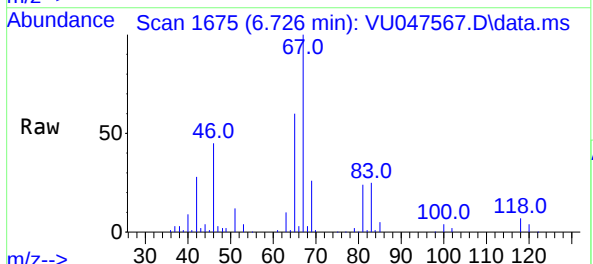


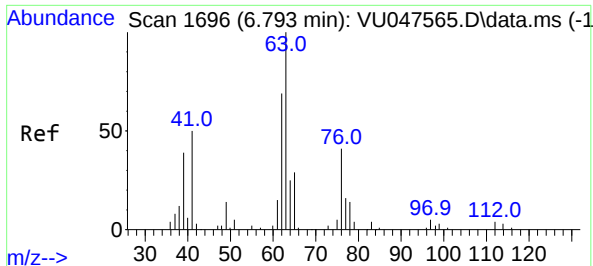
Tgt Ion: 95 Resp: 99689
Ion Ratio Lower Upper
95 100
97 66.5 46.3 85.9
132 103.3 70.7 131.3
130 106.9 73.6 136.8



#35
Methylcyclohexane
Concen: 1.167 ug/L
RT: 6.726 min Scan# 1675
Delta R.T. -0.042 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Tgt Ion: 83 Resp: 12677
Ion Ratio Lower Upper
83 100
55 46.6 57.3 85.9#
98 0.0 37.5 56.3#

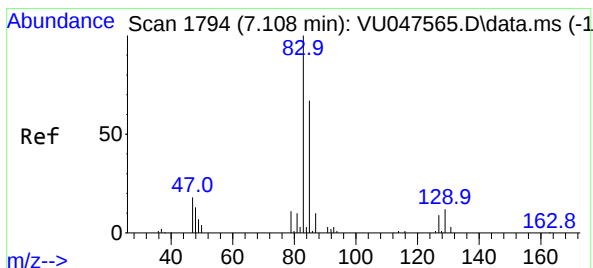
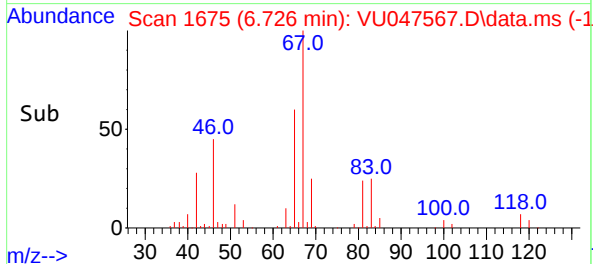
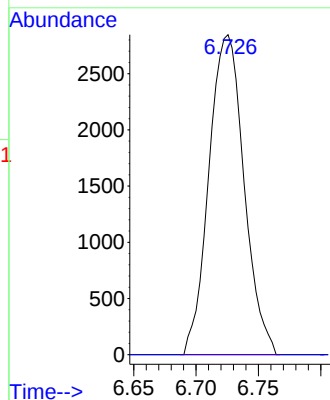
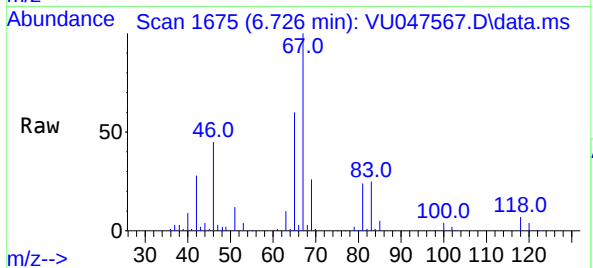




#37
1,2-Dichloropropane
Concen: 0.766 ug/L
RT: 6.726 min Scan# 11
Delta R.T. -0.068 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

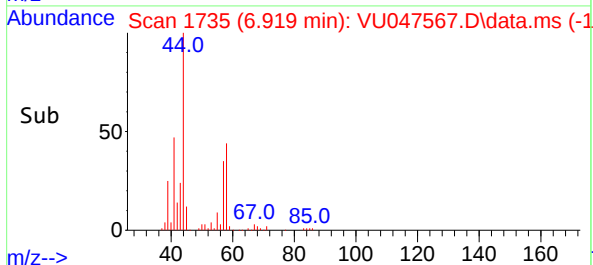
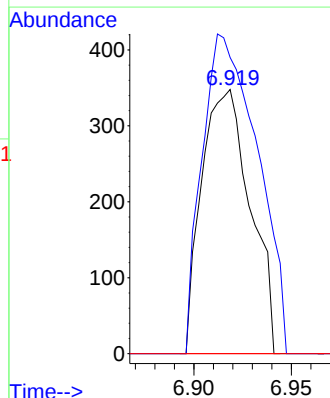
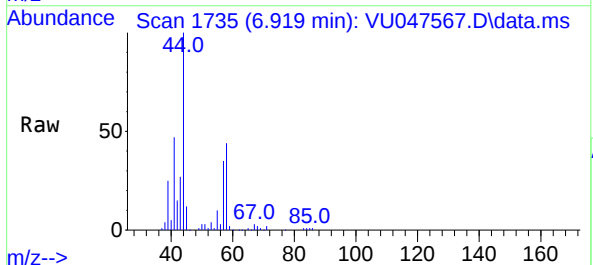
Instrument :
MSVOA_U
ClientSampleId :

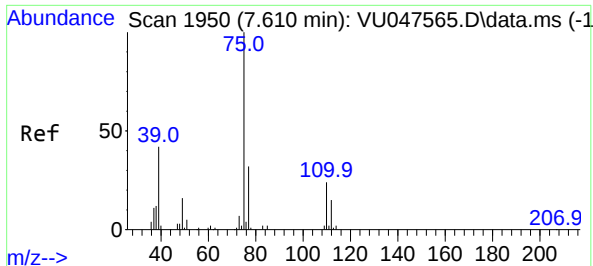
Tgt Ion: 63 Resp: 5591
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#38
Bromodichloromethane
Concen: 0.060 ug/L
RT: 6.919 min Scan# 1735
Delta R.T. -0.190 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Tgt Ion: 83 Resp: 603
Ion Ratio Lower Upper
83 100
85 112.1 44.2 82.0#
127 0.0 6.4 9.6#





#39

cis-1,3-Dichloropropene

Concen: 0.123 ug/L

RT: 7.587 min Scan# 1950

Delta R.T. -0.023 min

Lab File: VU047567.D

Acq: 15 Mar 2022 11:12

Instrument :

MSVOA_U

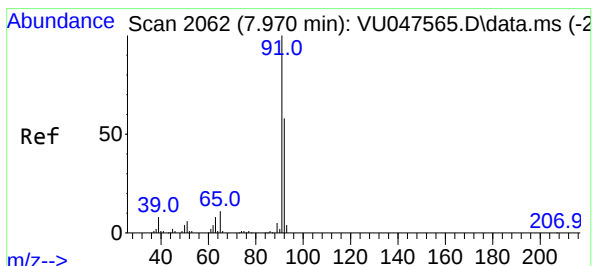
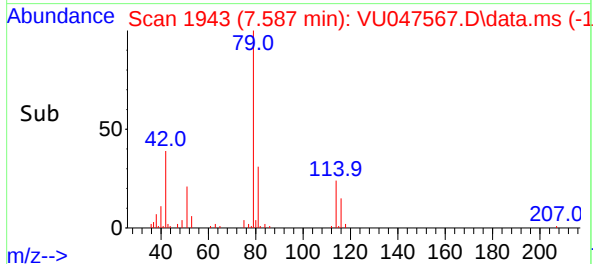
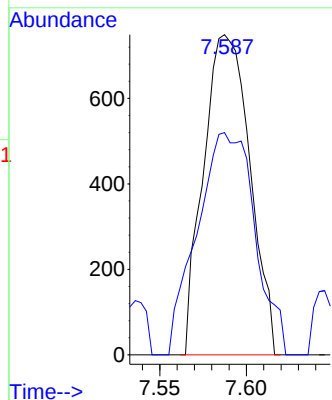
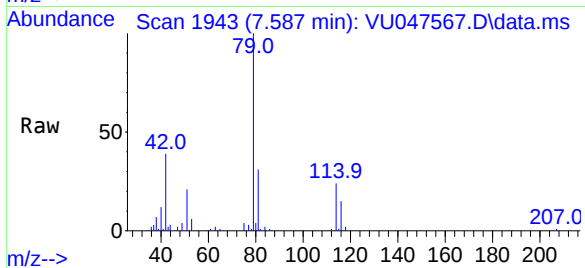
ClientSampleId :

Tgt Ion: 75 Resp: 1394

Ion Ratio Lower Upper

75 100

77 69.4 22.6 42.0#



#42

Toluene

Concen: 0.453 ug/L

RT: 7.986 min Scan# 2067

Delta R.T. 0.016 min

Lab File: VU047567.D

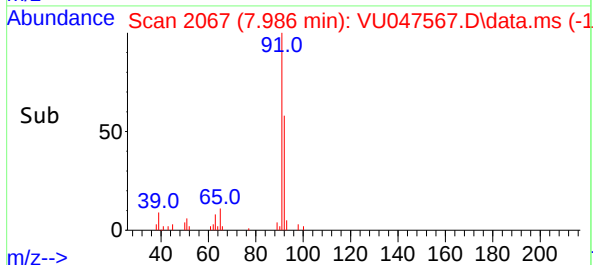
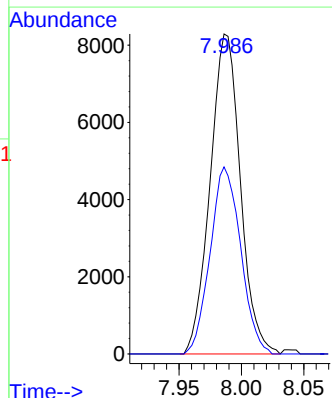
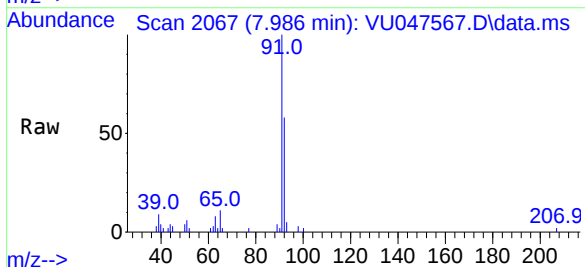
Acq: 15 Mar 2022 11:12

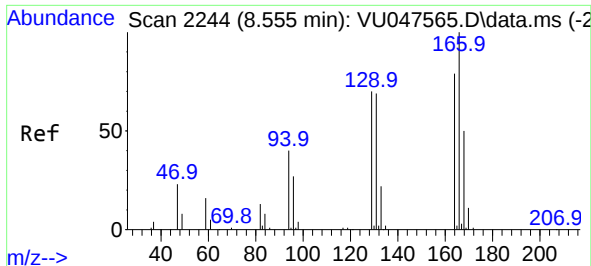
Tgt Ion: 91 Resp: 13997

Ion Ratio Lower Upper

91 100

92 58.5 40.2 74.6





#47

Tetrachloroethene

Concen: 19.595 ug/L

RT: 8.565 min Scan# 2247

Delta R.T. 0.010 min

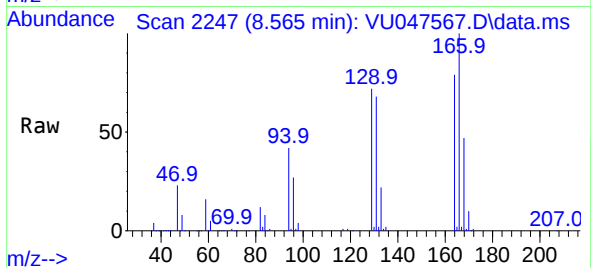
Lab File: VU047567.D

Acq: 15 Mar 2022 11:12

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 126172

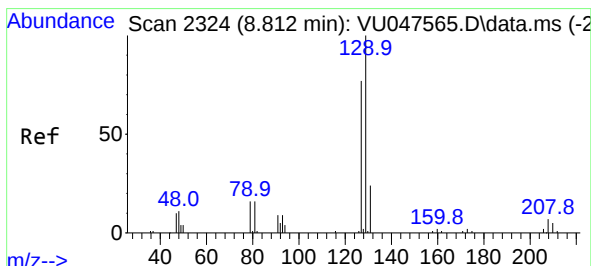
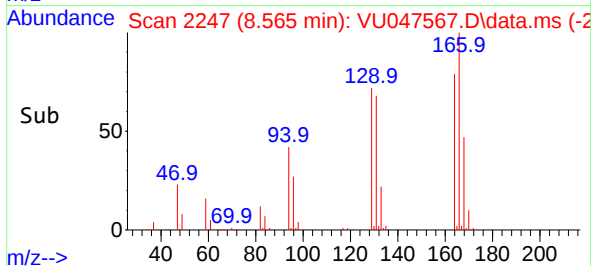
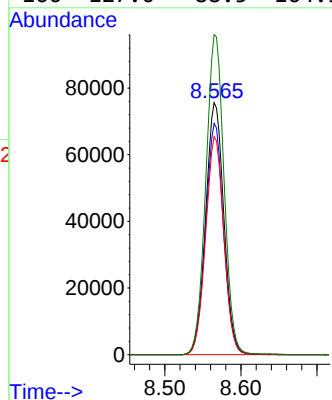
Ion Ratio Lower Upper

164 100

129 91.7 63.5 117.9

131 86.6 60.5 112.5

166 127.0 88.5 164.3



#49

Dibromochloromethane

Concen: 14.817 ug/L

RT: 8.565 min Scan# 2247

Delta R.T. -0.248 min

Lab File: VU047567.D

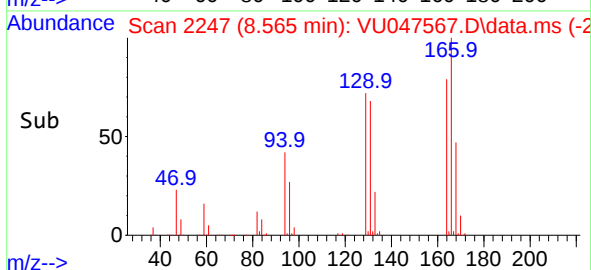
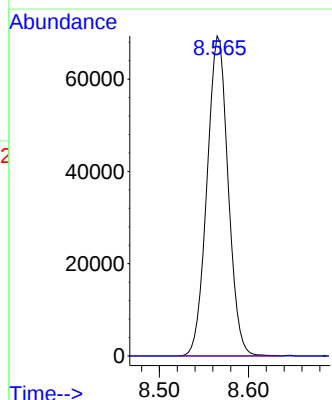
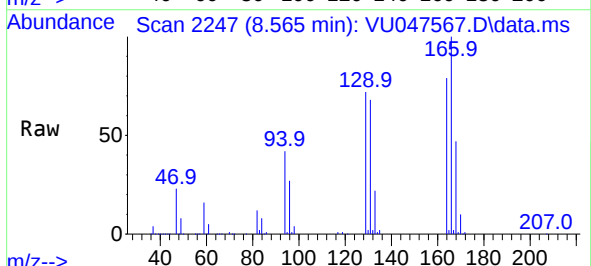
Acq: 15 Mar 2022 11:12

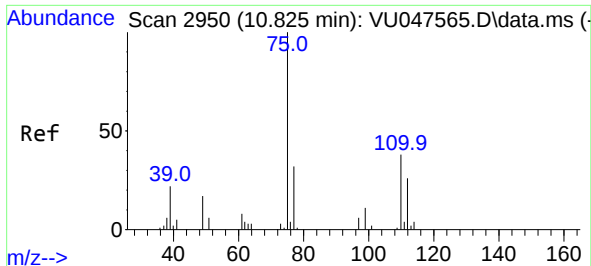
Tgt Ion:129 Resp: 114234

Ion Ratio Lower Upper

129 100

127 0.0 53.6 99.6#

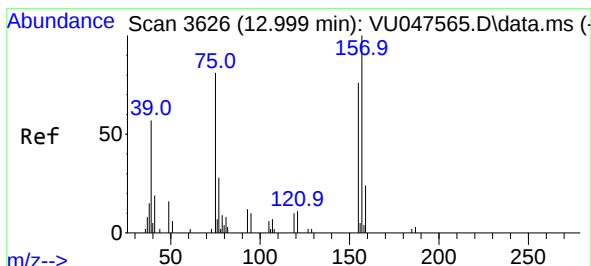
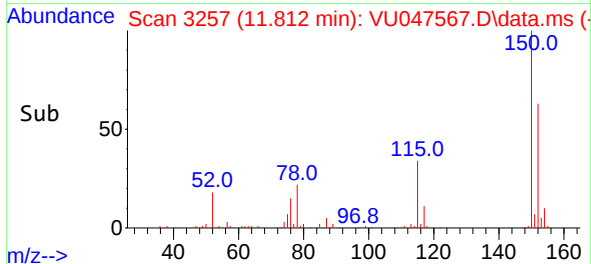
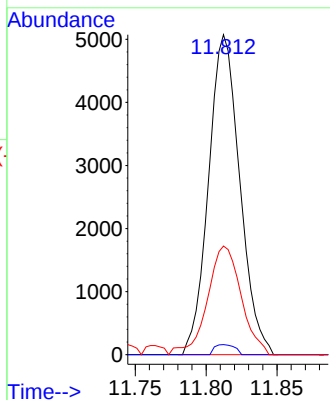
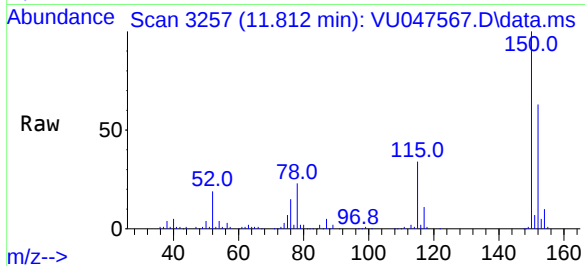




#61
1,2,3-Trichloropropane
Concen: 1.305 ug/L
RT: 11.812 min Scan# 31
Delta R.T. 0.987 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

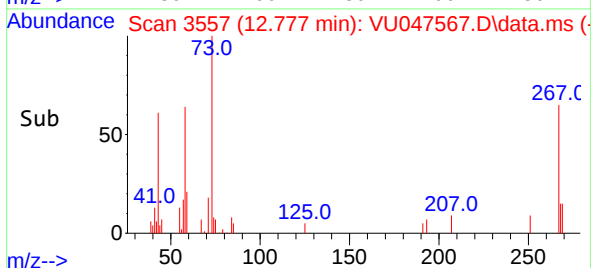
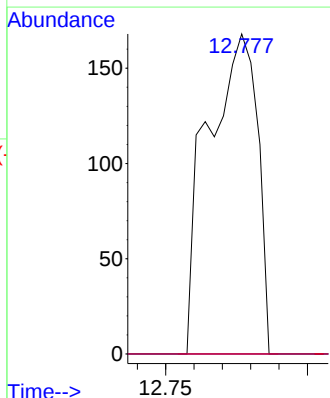
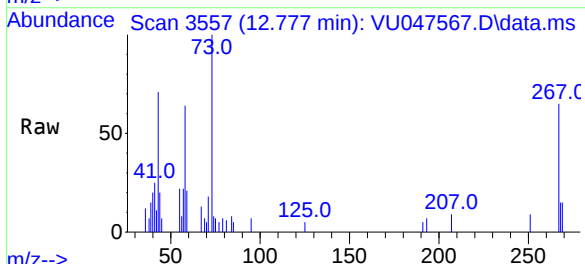
Instrument :
MSVOA_U
ClientSampleId :

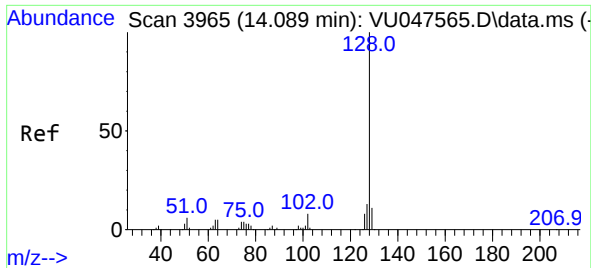
Tgt Ion: 75 Resp: 7789
Ion Ratio Lower Upper
75 100
110 0.0 30.2 45.4#
77 36.6 26.6 39.8



#68
1,2-Dibromo-3-chloropropane
Concen: 0.142 ug/L
RT: 12.777 min Scan# 3557
Delta R.T. -0.222 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

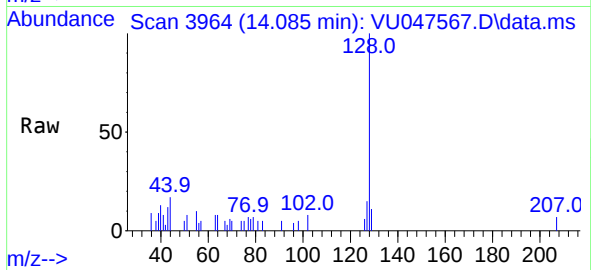
Tgt Ion: 75 Resp: 204
Ion Ratio Lower Upper
75 100
155 0.0 70.8 106.2#
157 0.0 99.4 149.2#





#71
Naphthalene
Concen: 0.199 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.003 min
Lab File: VU047567.D
Acq: 15 Mar 2022 11:12

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 4929
Ion Ratio Lower Upper
128 100
129 10.0 8.7 13.1
127 13.6 10.4 15.6

