

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031921\
 Data File : VU042738.D
 Acq On : 19 Mar 2021 22:50
 Operator : SY/MD
 Sample : M1743-12MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZE1MSD

Quant Time: Mar 20 06:46:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SOMUTR030221WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 20 06:44:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	75061	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	76246	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	35328	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	23174	4.63	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	92.60%		
7) Chloroethane-d5	1.919	69	19760	5.21	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	104.20%		
11) 1,1-Dichloroethene-d2	2.575	63	53630	4.75	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	95.00%		
20) 2-Butanone-d5	4.649	46	69024	42.01	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	84.02%		
24) Chloroform-d	5.073	84	46583	4.71	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	94.20%		
26) 1,2-Dichloroethane-d4	5.713	65	29977	4.92	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	98.40%		
32) Benzene-d6	5.735	84	85676	4.58	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	91.60%		
36) 1,2-Dichloropropane-d6	6.700	67	28518	4.73	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	94.60%		
41) Toluene-d8	7.906	98	78468	4.30	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	86.00%		
43) trans-1,3-Dichloroprop...	8.189	79	10453	3.71	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	74.20%		
46) 2-Hexanone-d5	8.645	63	61944	45.92	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	91.84%		
57) 1,1,2,2-Tetrachloroeth...	10.764	84	25205	4.69	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	93.80%		
64) 1,2-Dichlorobenzene-d4	12.201	152	30708	4.79	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	95.80%		
Target Compounds						
3) Chloromethane	1.520	50	309	0.05	ug/L #	80
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	330	0.06	ug/L #	18
12) 1,1-Dichloroethene	2.588	96	23473	4.44	ug/L	81
22) cis-1,2-Dichloroethene	4.671	96	686	0.12	ug/L	92
27) 1,2-Dichloroethane	5.803	62	18361	2.17	ug/L	96
33) Benzene	5.784	78	104023	4.36	ug/L	100
34) Trichloroethene	6.549	95	30763	4.65	ug/L	97
35) Methylcyclohexane	6.700	83	6692	0.67	ug/L #	15
37) 1,2-Dichloropropane	6.700	63	3529	0.55	ug/L #	87
39) cis-1,3-Dichloropropene	7.575	75	812	0.09	ug/L #	79
42) Toluene	7.976	91	112034	4.31	ug/L	95
44) trans-1,3-Dichloropropene	8.185	75	581	0.07	ug/L #	73
45) 1,1,2-Trichloroethane	8.562	97	312	0.07	ug/L #	1
47) Tetrachloroethene	8.562	164	41742	7.74	ug/L	99
48) 2-Hexanone	8.645	43	10249	2.47	ug/L #	71
49) Dibromochloromethane	8.558	129	38813	6.53	ug/L #	13
51) Chlorobenzene	9.455	112	70194	4.22	ug/L	98
59) 1,2,3-Trichloropropane	11.819	75	4411	0.91	ug/L #	82

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Response via : Initial Calibration

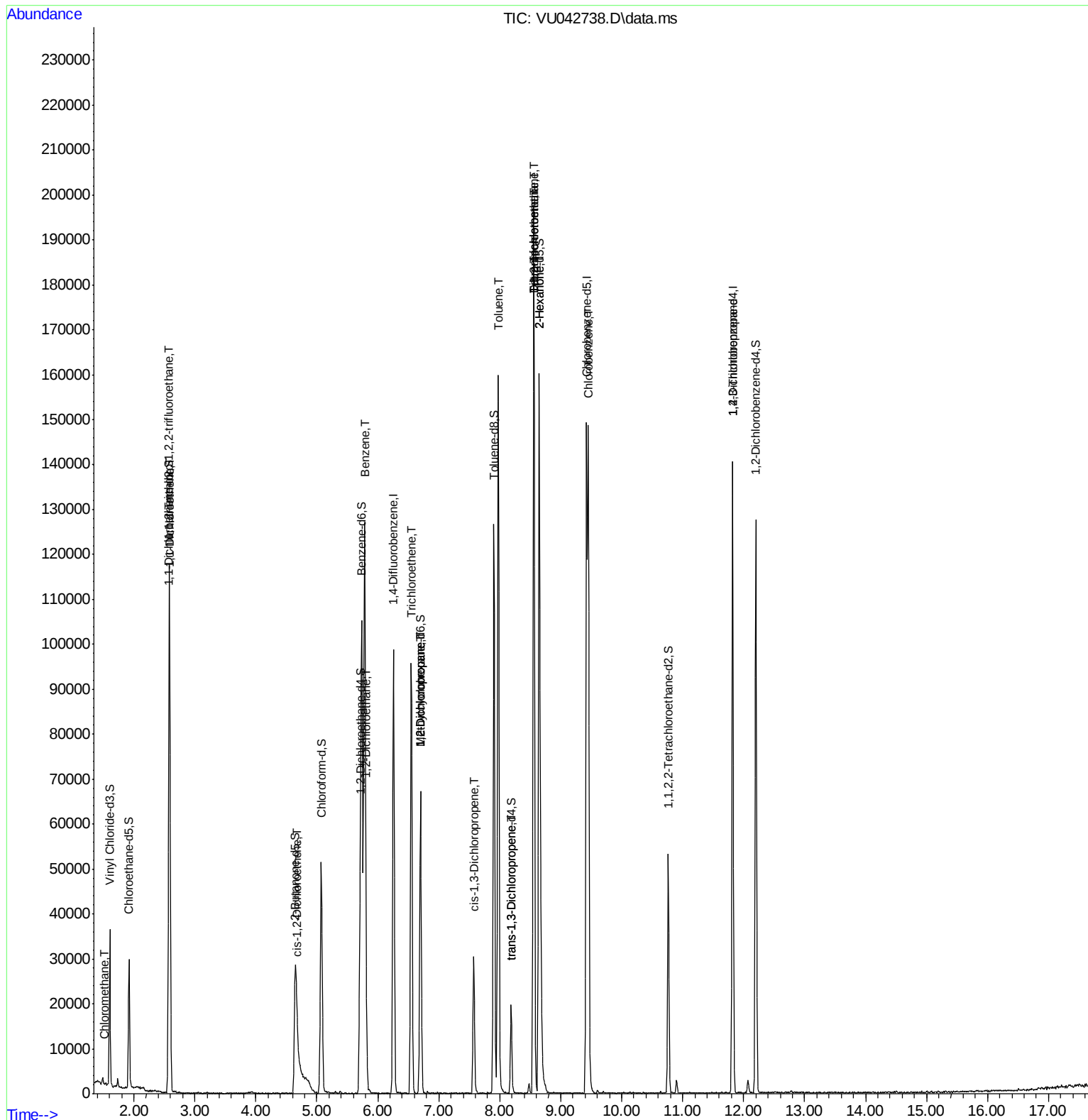
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

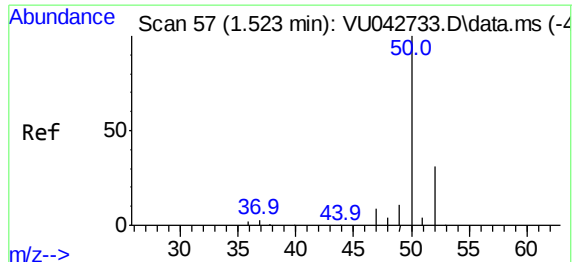
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.05 ug/L

RT: 1.520 min Scan# 56

Delta R.T. -0.003 min

Lab File: VU042738.D

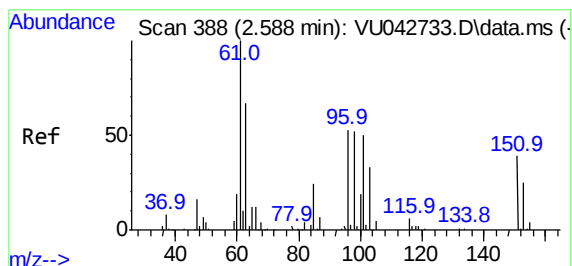
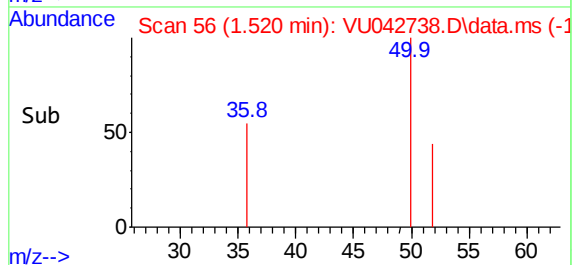
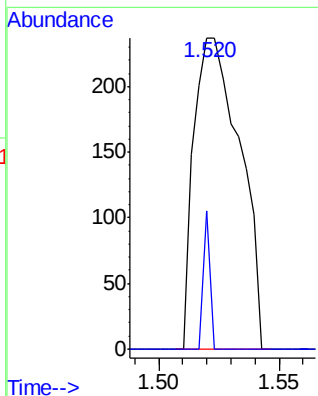
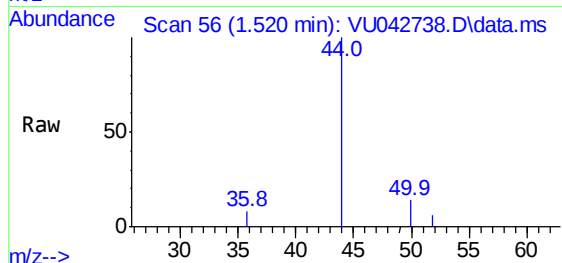
Acq: 19 Mar 2021 22:50

Tgt Ion: 50 Resp: 309

Ion Ratio Lower Upper

50 100

52 44.3 23.0 42.8#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.06 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.010 min

Lab File: VU042738.D

Acq: 19 Mar 2021 22:50

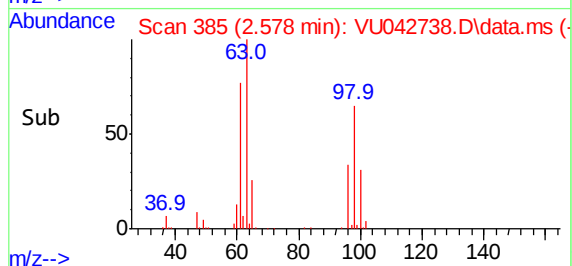
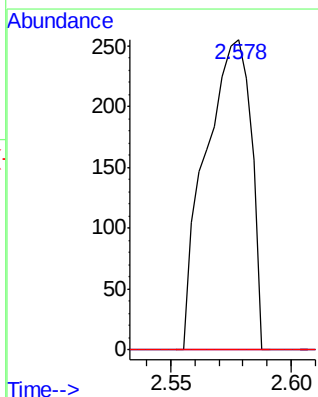
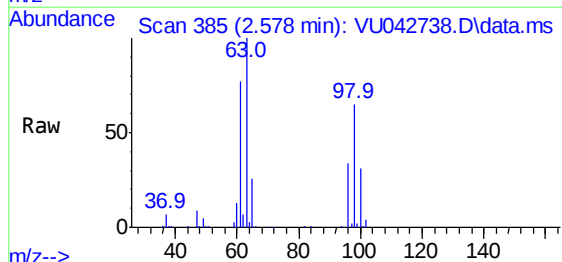
Tgt Ion:101 Resp: 330

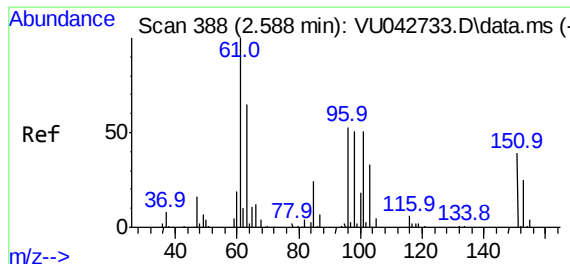
Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

151 0.0 62.7 94.1#

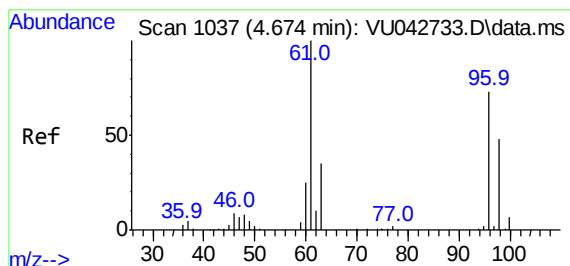
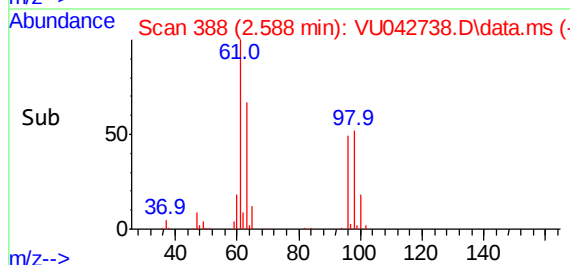
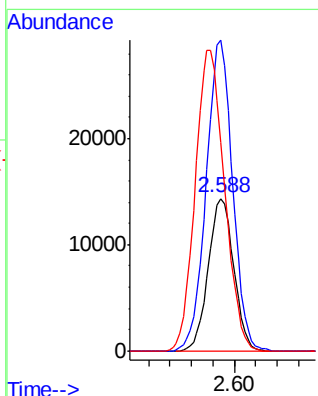
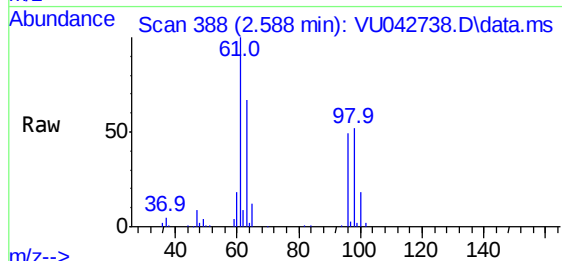




#12
1,1-Dichloroethene
Concen: 4.44 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.000 min
Lab File: VU042738.D
Acq: 19 Mar 2021 22:50

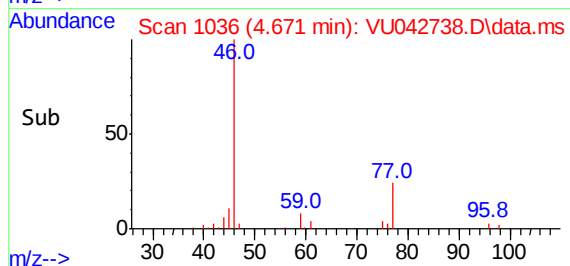
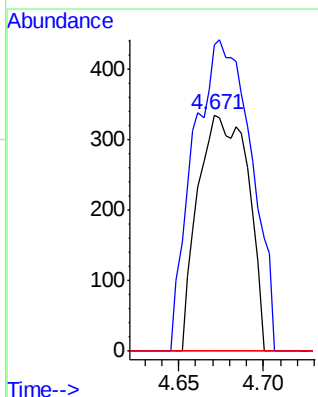
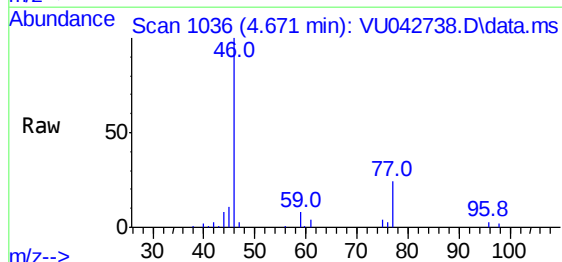
Instrument :
MSVOA_U
ClientSampled :
ETZE1MSD

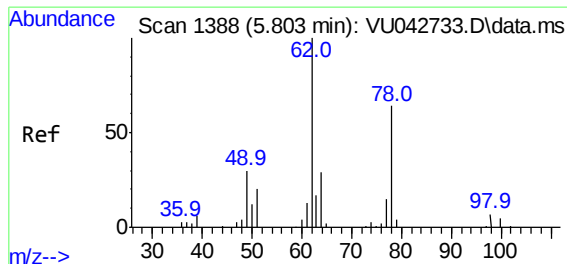
Tgt Ion: 96 Resp: 23473
Ion Ratio Lower Upper
96 100
61 203.6 126.2 234.4
63 136.9 77.8 144.4



#22
cis-1,2-Dichloroethene
Concen: 0.12 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.003 min
Lab File: VU042738.D
Acq: 19 Mar 2021 22:50

Tgt Ion: 96 Resp: 686
Ion Ratio Lower Upper
96 100
61 129.9 97.8 181.6
68 0.0 0.0 0.0

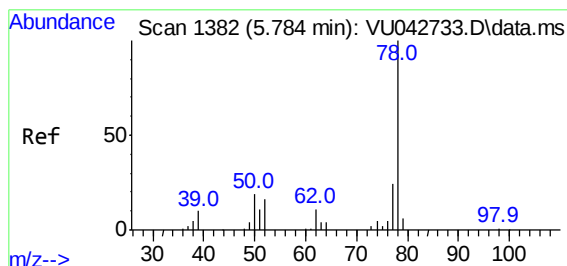
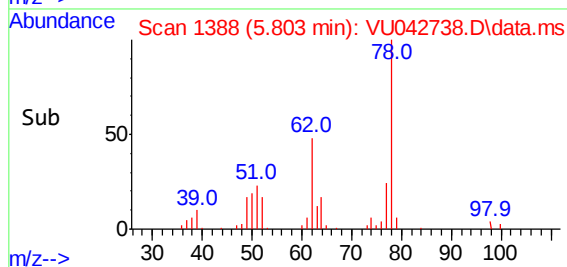
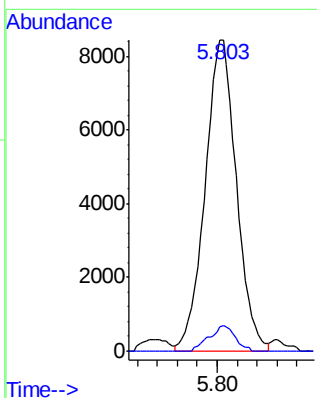
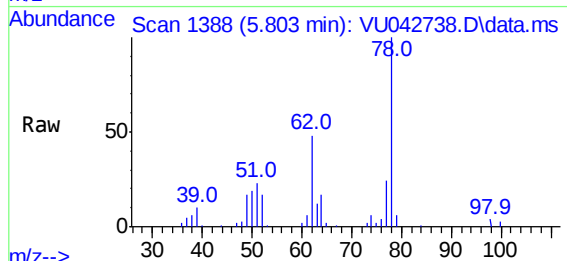




#27
1,2-Dichloroethane
Concen: 2.17 ug/L
RT: 5.803 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VU042738.D
Acq: 19 Mar 2021 22:50

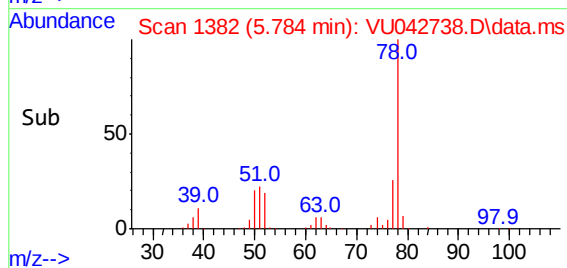
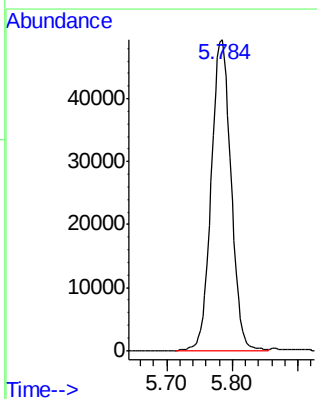
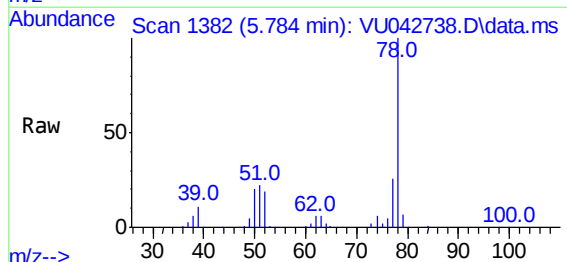
Instrument :
MSVOA_U
ClientSampled :
ETZE1MSD

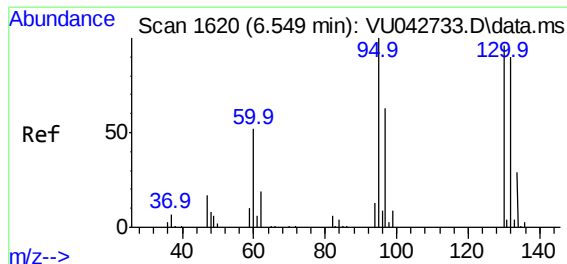
Tgt Ion: 62 Resp: 18361
Ion Ratio Lower Upper
62 100
98 7.7 7.3 10.9



#33
Benzene
Concen: 4.36 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VU042738.D
Acq: 19 Mar 2021 22:50

Tgt Ion: 78 Resp: 104023



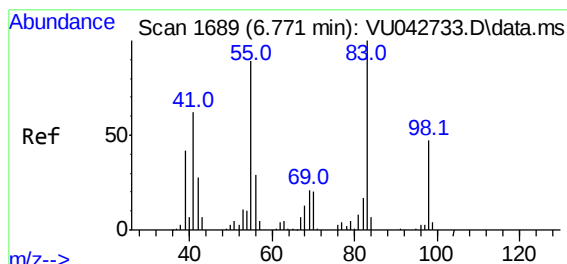
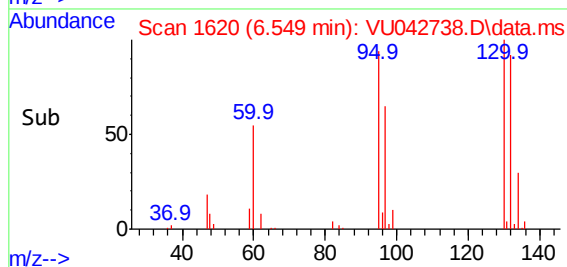
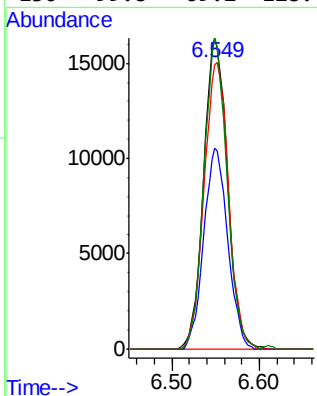
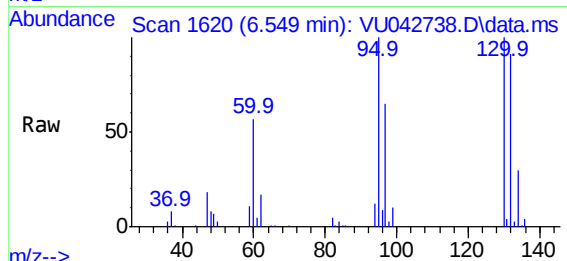


#34
Trichloroethene
Concen: 4.65 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VU042738.D
Acq: 19 Mar 2021 22:50

Instrument :
MSVOA_U
ClientSampleId :
ETZE1MSD

Tgt Ion: 95 Resp: 30763

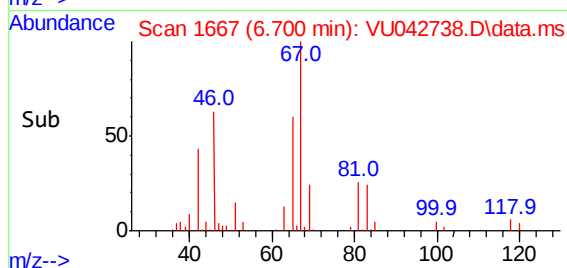
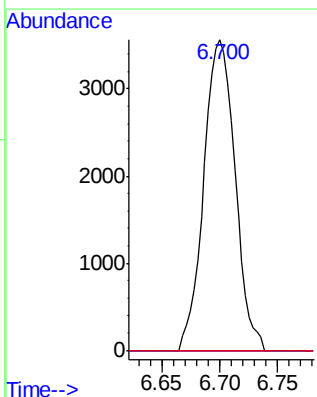
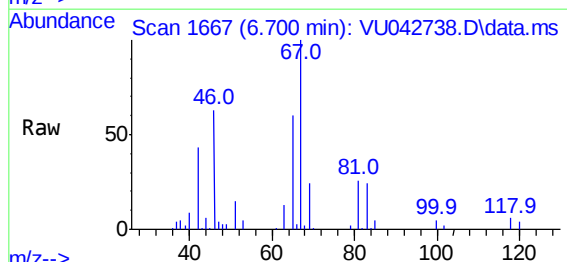
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.4	82.4
132	91.5	68.0	126.4
130	99.8	69.2	128.4

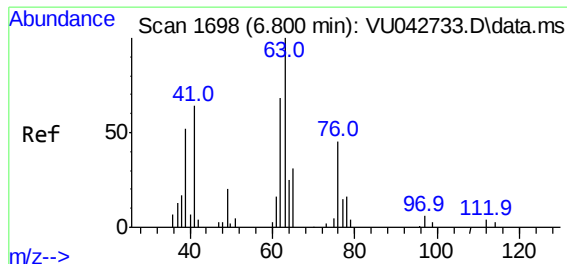


#35
Methylcyclohexane
Concen: 0.67 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042738.D
Acq: 19 Mar 2021 22:50

Tgt Ion: 83 Resp: 6692

Ion	Ratio	Lower	Upper
83	100		
55	0.0	68.2	102.4#
98	0.4	39.7	59.5#

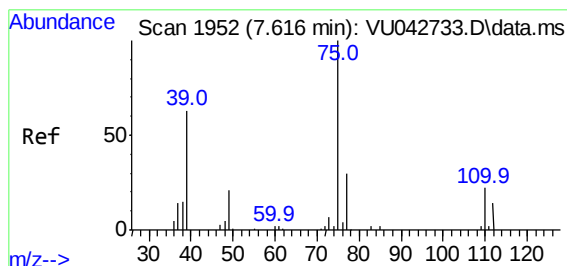
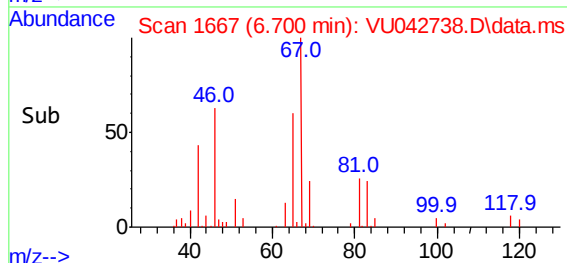
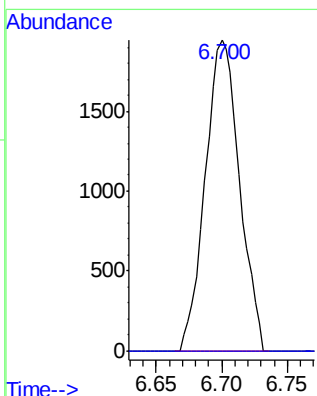
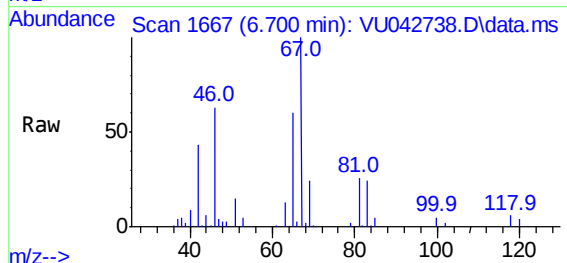




#37
1,2-Dichloropropane
Concen: 0.55 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU042738.D
Acq: 19 Mar 2021 22:50

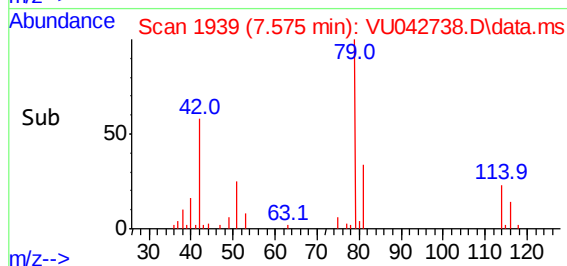
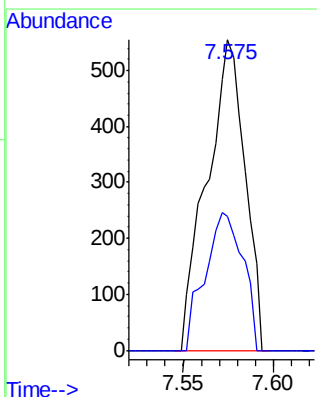
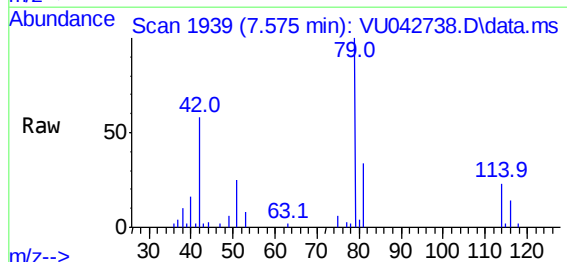
Instrument :
MSVOA_U
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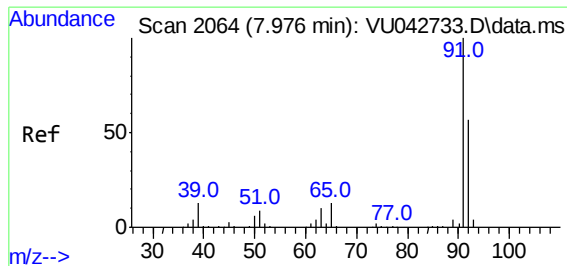
Tgt Ion: 63 Resp: 3529
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU042738.D
Acq: 19 Mar 2021 22:50

Tgt Ion: 75 Resp: 812
Ion Ratio Lower Upper
75 100
77 43.1 22.0 40.8#

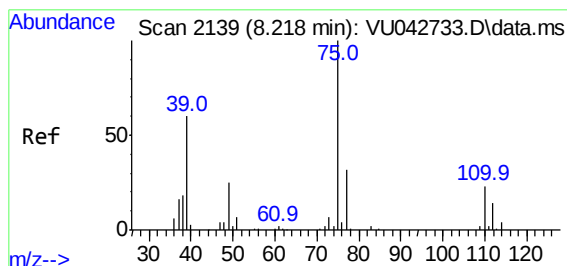
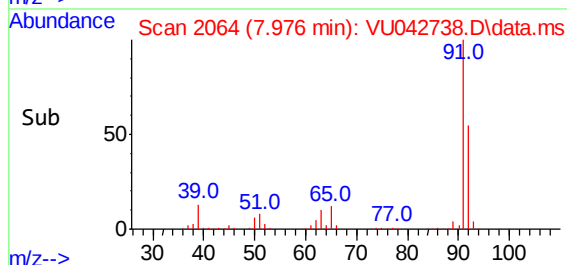
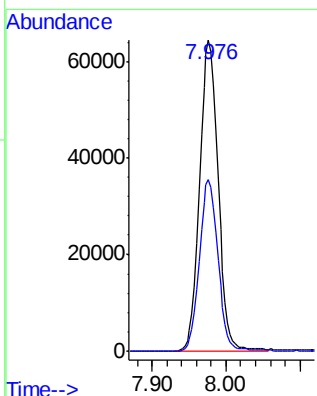
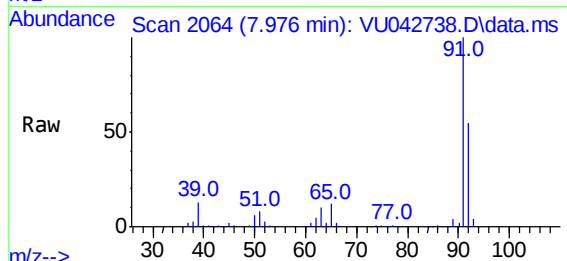




#42
Toluene
Concen: 4.31 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU042738.D
Acq: 19 Mar 2021 22:50

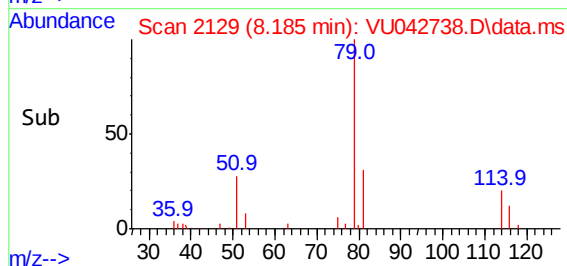
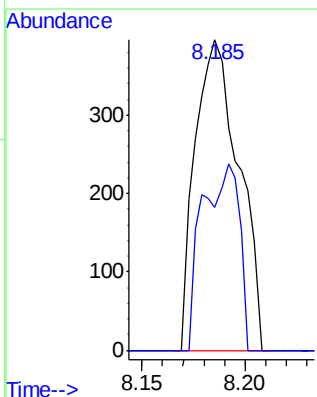
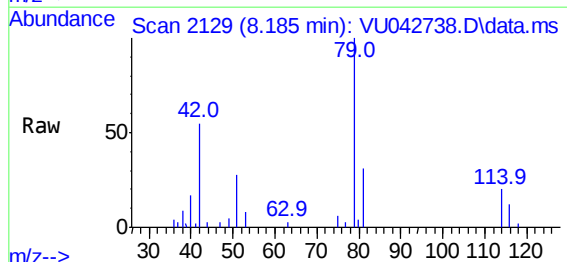
Instrument :
MSVOA_U
ClientSampled :
ETZE1MSD

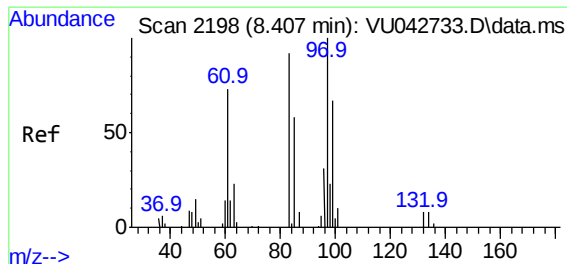
Tgt Ion: 91 Resp: 112034
Ion Ratio Lower Upper
91 100
92 55.2 41.2 76.6



#44
trans-1,3-Dichloropropene
Concen: 0.07 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.032 min
Lab File: VU042738.D
Acq: 19 Mar 2021 22:50

Tgt Ion: 75 Resp: 581
Ion Ratio Lower Upper
75 100
77 46.0 21.8 40.4

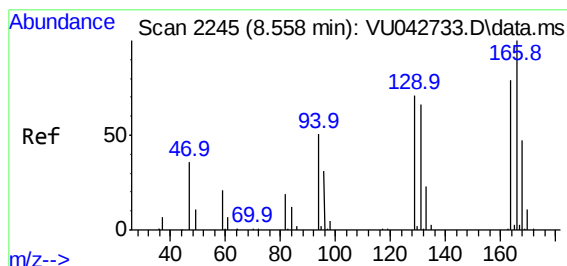
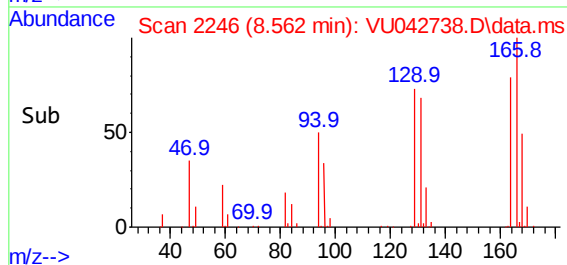
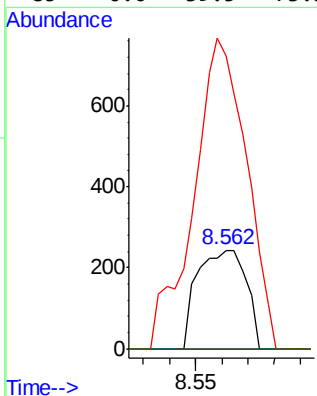
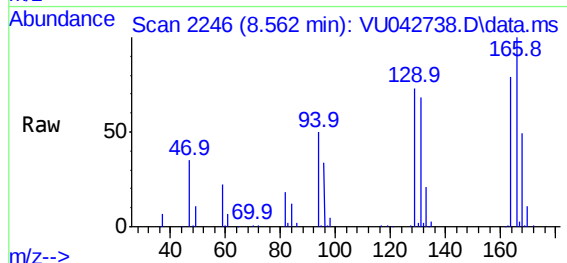




#45
1,1,2-Trichloroethane
Concen: 0.07 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.154 min
Lab File: VU042738.D
Acq: 19 Mar 2021 22:50

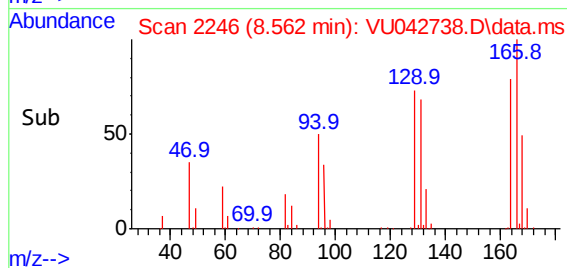
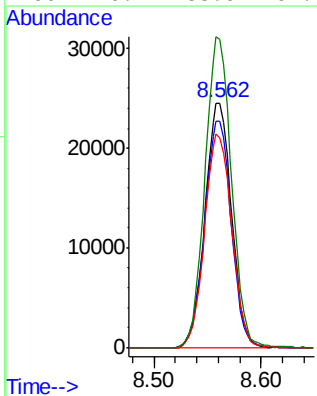
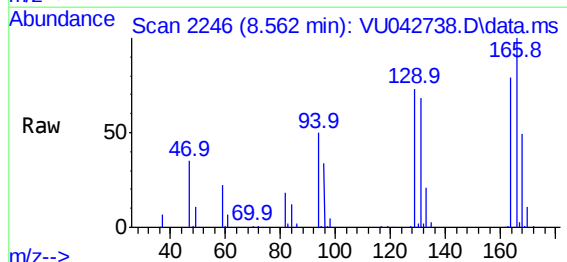
Instrument :
MSVOA_U
ClientSampleId :
ETZE1MSD

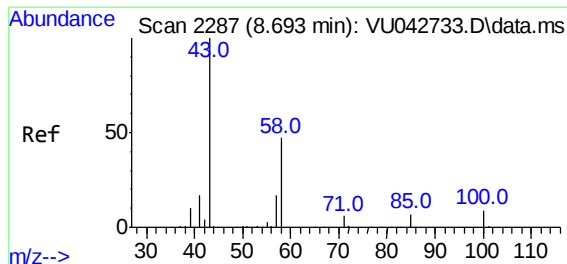
Tgt Ion:	97	Resp:	312
Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.0	81.8#
83	297.5	57.6	107.0#
85	0.0	39.5	73.3#



#47
Tetrachloroethene
Concen: 7.74 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.003 min
Lab File: VU042738.D
Acq: 19 Mar 2021 22:50

Tgt Ion:	164	Resp:	41742
Ion	Ratio	Lower	Upper
164	100		
129	92.5	64.3	119.5
131	85.6	62.2	115.6
166	126.2	88.6	164.6

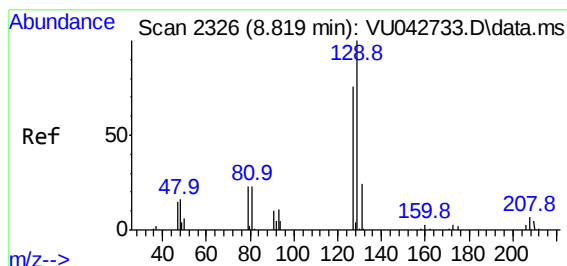
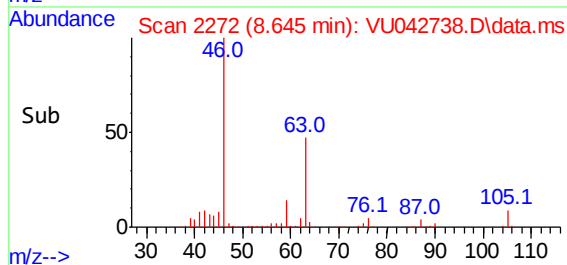
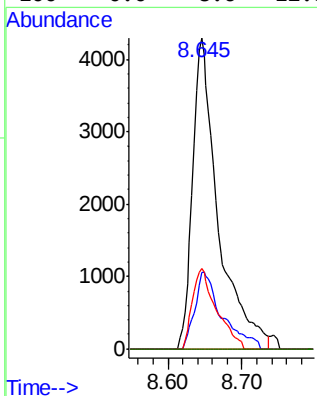
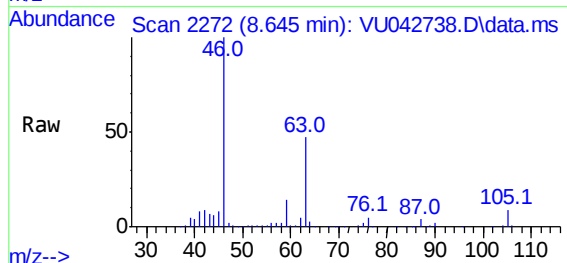




#48
2-Hexanone
Concen: 2.47 ug/L
RT: 8.645 min Scan# 2272
Delta R.T. -0.048 min
Lab File: VU042738.D
Acq: 19 Mar 2021 22:50

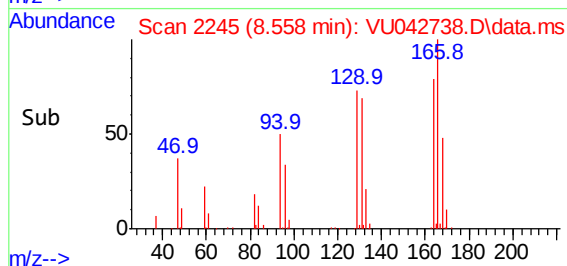
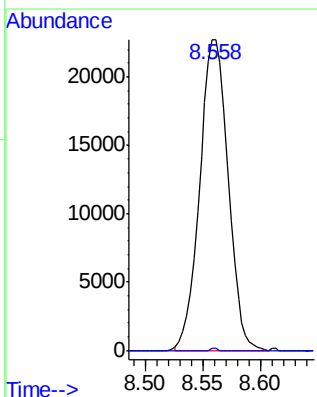
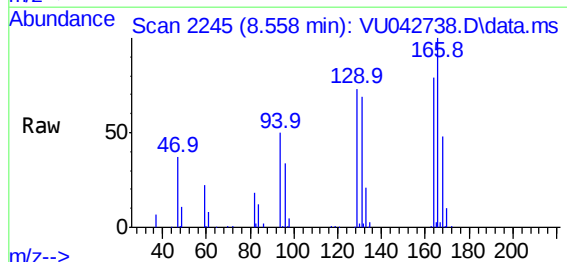
Instrument :
MSVOA_U
ClientSampleId :
ETZE1MSD

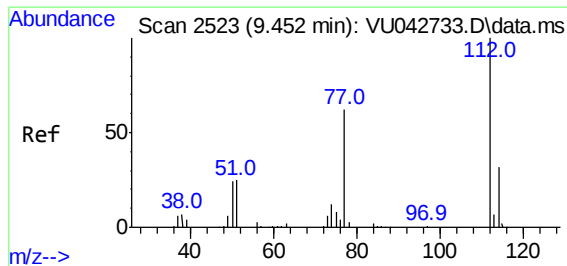
Tgt Ion: 43 Resp: 10249
Ion Ratio Lower Upper
43 100
58 26.5 40.6 61.0#
57 24.5 14.9 22.3#
100 0.0 8.6 12.8#



#49
Dibromochloromethane
Concen: 6.53 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.260 min
Lab File: VU042738.D
Acq: 19 Mar 2021 22:50

Tgt Ion: 129 Resp: 38813
Ion Ratio Lower Upper
129 100
127 0.6 52.3 97.1#

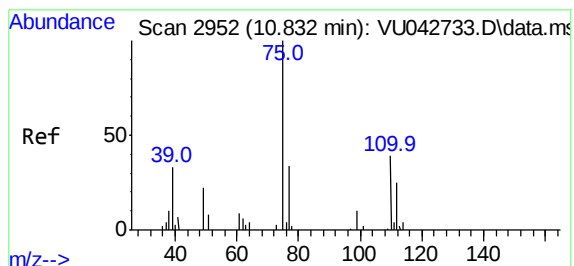
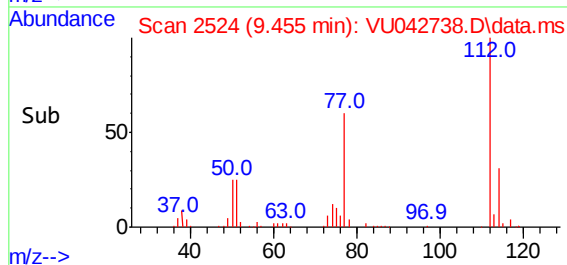
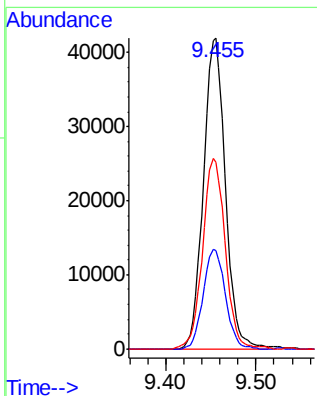
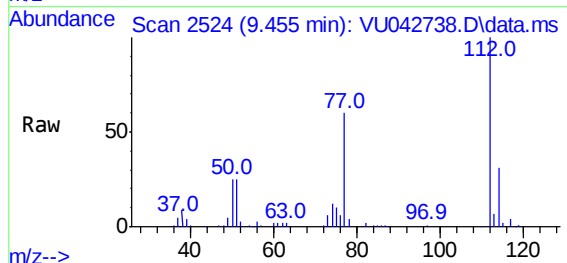




#51
Chlorobenzene
Concen: 4.22 ug/L
RT: 9.455 min Scan# 2524
Delta R.T. 0.003 min
Lab File: VU042738.D
Acq: 19 Mar 2021 22:50

Instrument :
MSVOA_U
ClientSampleId :
ETZE1MSD

Tgt Ion:112 Resp: 70194
Ion Ratio Lower Upper
112 100
114 31.4 22.0 41.0
77 59.9 49.8 74.6



#59
1,2,3-Trichloropropane
Concen: 0.91 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.987 min
Lab File: VU042738.D
Acq: 19 Mar 2021 22:50

Tgt Ion: 75 Resp: 4411
Ion Ratio Lower Upper
75 100
77 42.4 26.0 39.0#

