

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012221\
 Data File : VU042171.D
 Acq On : 22 Jan 2021 15:45
 Operator : SY/MD
 Sample : M1222-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E13

Quant Time: Jan 23 06:22:20 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012021WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jan 23 06:18:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	101276	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	95207	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.819	152	51537	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	26172	4.01	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	80.20%		
7) Chloroethane-d5	1.916	69	22848	4.34	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	86.80%		
11) 1,1-Dichloroethene-d2	2.571	63	45777	3.18	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	63.60%		
20) 2-Butanone-d5	4.649	46	88391	37.08	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	74.16%		
24) Chloroform-d	5.073	84	62636	4.59	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	91.80%		
26) 1,2-Dichloroethane-d4	5.710	65	38239	4.68	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	93.60%		
32) Benzene-d6	5.735	84	114561	4.61	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	92.20%		
36) 1,2-Dichloropropane-d6	6.700	67	37556	4.68	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	93.60%		
41) Toluene-d8	7.906	98	105750	4.50	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	90.00%		
43) trans-1,3-Dichloroprop...	8.185	79	17668	4.35	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	87.00%		
46) 2-Hexanone-d5	8.642	63	76528	43.24	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	86.48%		
57) 1,1,2,2-Tetrachloroeth...	10.764	84	32976	4.79	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	95.80%		
64) 1,2-Dichlorobenzene-d4	12.201	152	45878	4.96	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	99.20%		
Target Compounds						Qvalue
8) Chloroethane	2.192	64	641	0.14	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	323	0.05	ug/L #	18
13) Acetone	2.662	43	2099	1.32	ug/L	63
14) Carbon disulfide	2.803	76	1005	0.04	ug/L #	75
15) Methyl Acetate	2.967	43	418	0.11	ug/L #	55
17) Methyl tert-butyl Ether	3.375	73	1685	0.08	ug/L #	42
22) cis-1,2-Dichloroethene	4.674	96	515	0.07	ug/L	92
27) 1,2-Dichloroethane	5.735	62	804	0.08	ug/L #	75
33) Benzene	5.787	78	1170	0.04	ug/L	100
35) Methylcyclohexane	6.700	83	9359	0.74	ug/L #	18
37) 1,2-Dichloropropane	6.703	63	4579	0.62	ug/L #	87
39) cis-1,3-Dichloropropene	7.575	75	1208	0.10	ug/L #	56
40) 4-Methyl-2-pentanone	7.800	43	2926	0.46	ug/L #	73
42) Toluene	7.976	91	2863	0.09	ug/L	97
44) trans-1,3-Dichloropropene	8.189	75	718	0.06	ug/L #	62
47) Tetrachloroethene	8.568	164	400	0.06	ug/L	85
48) 2-Hexanone	8.693	43	9715	2.21	ug/L	97
49) Dibromochloromethane	8.558	129	348	0.05	ug/L #	12
59) 1,2,3-Trichloropropane	11.819	75	6065	1.16	ug/L	94

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Instrument :
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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jan 23 06:18:59 2021
Response via : Initial Calibration

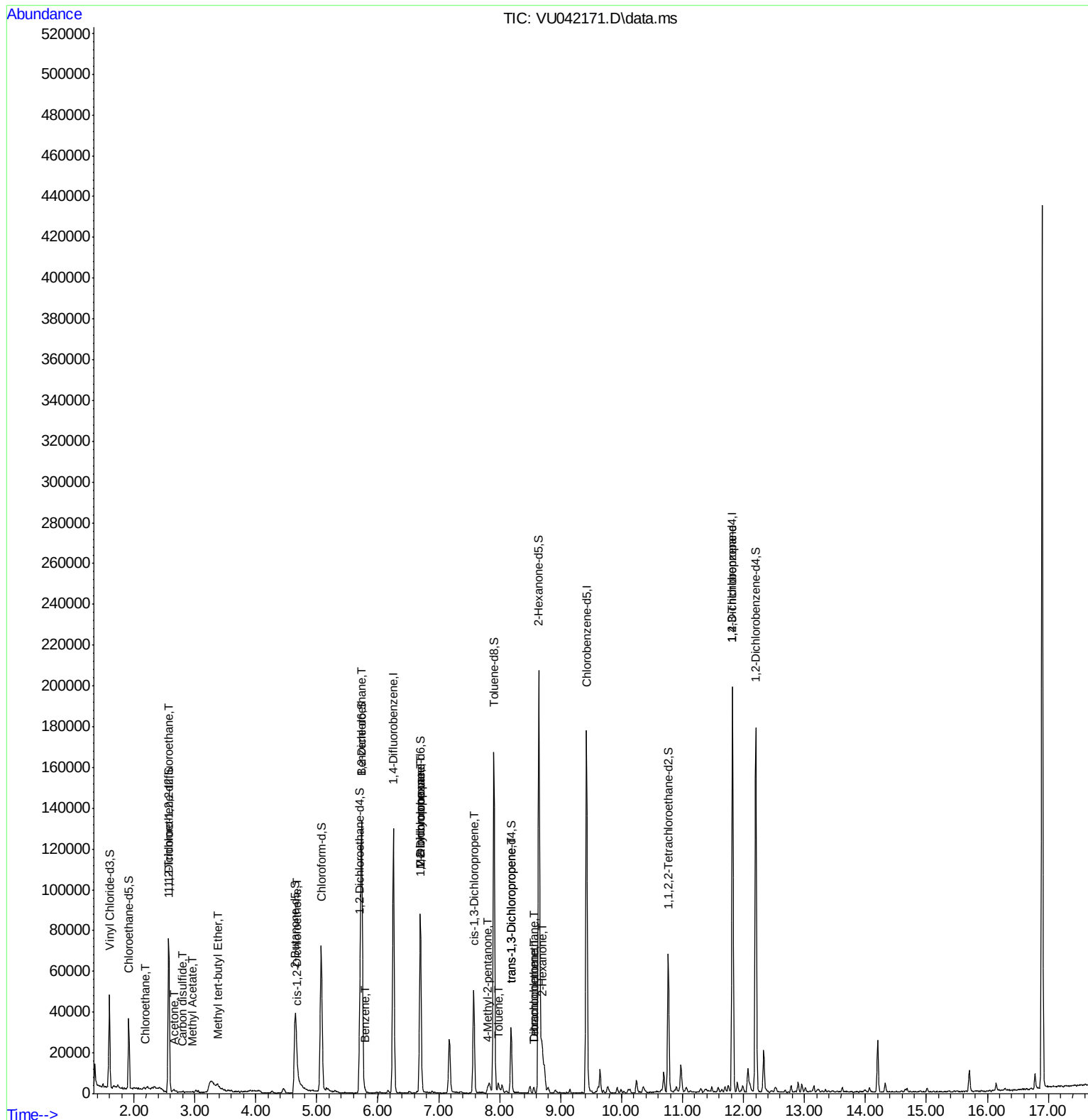
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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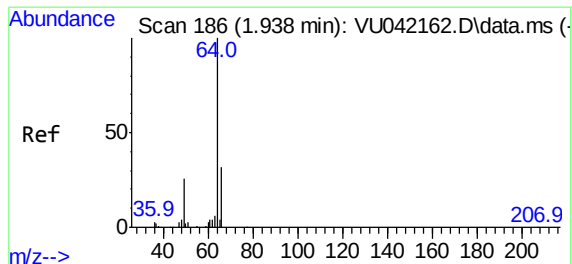
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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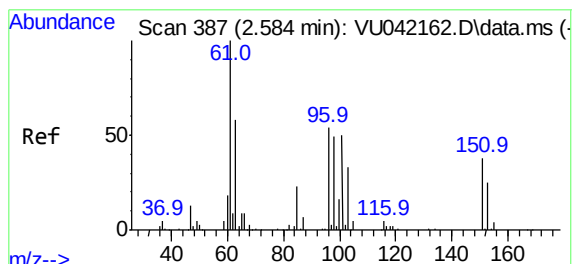
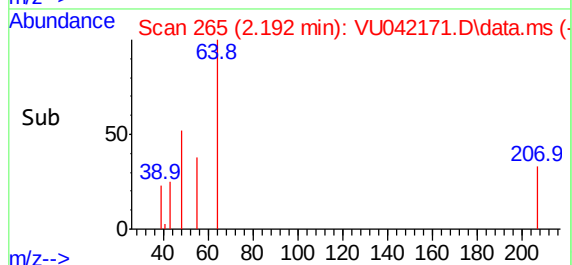
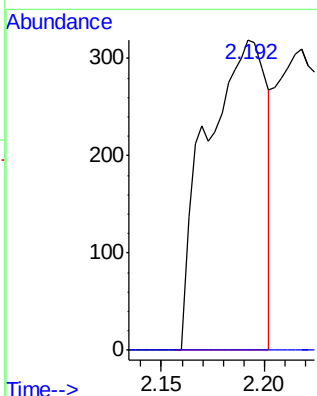
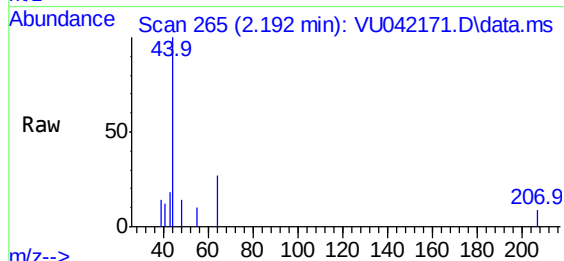




#8
Chloroethane
Concen: 0.14 ug/L
RT: 2.192 min Scan# 265
Delta R.T. 0.254 min
Lab File: VU042171.D
Acq: 22 Jan 2021 15:45

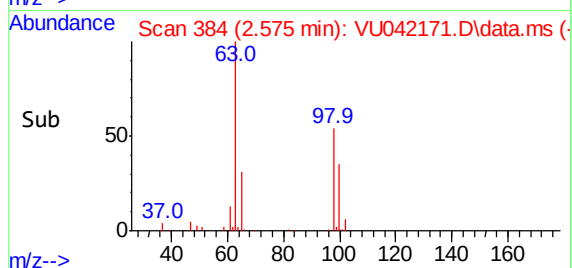
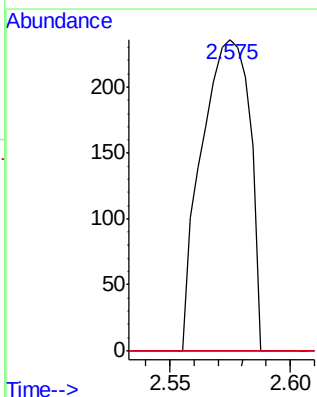
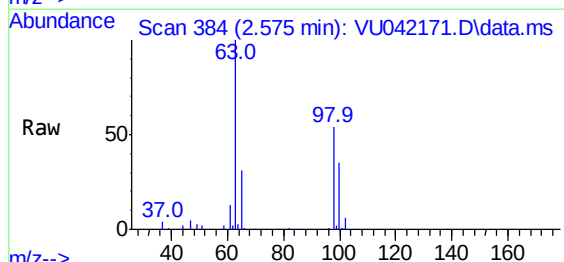
Instrument :
MSVOA_U
ClientSampleId :
F1E13

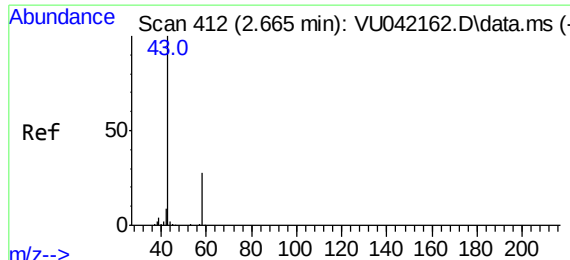
Tgt Ion: 64 Resp: 641
Ion Ratio Lower Upper
64 100
66 0.0 22.2 41.2#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.05 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.010 min
Lab File: VU042171.D
Acq: 22 Jan 2021 15:45

Tgt Ion:101 Resp: 323
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 62.7 94.1#

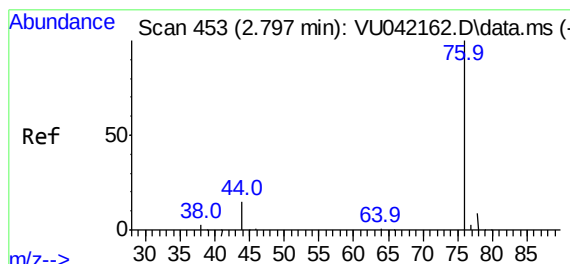
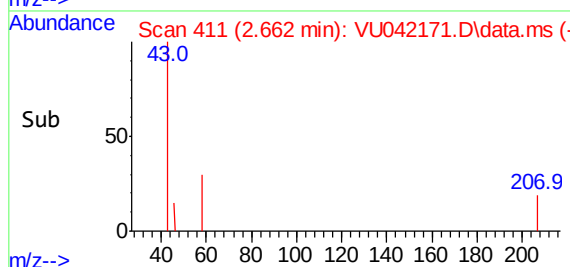
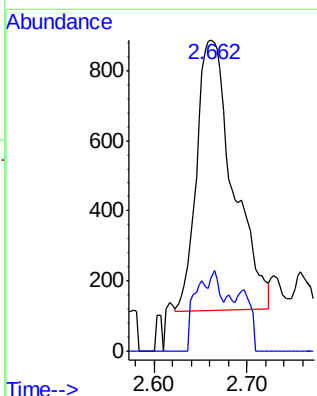
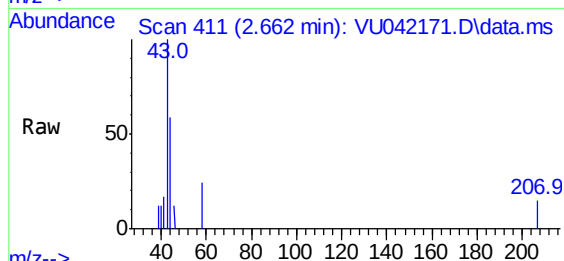




#13
Acetone
Concen: 1.32 ug/L
RT: 2.662 min Scan# 411
Delta R.T. -0.003 min
Lab File: VU042171.D
Acq: 22 Jan 2021 15:45

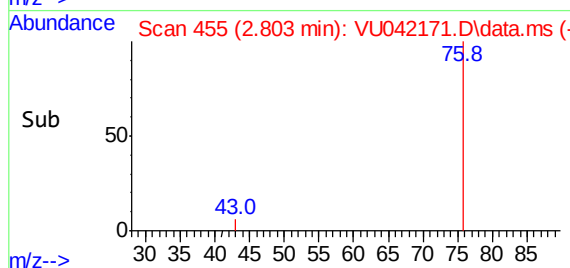
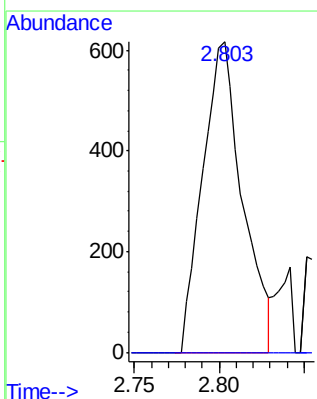
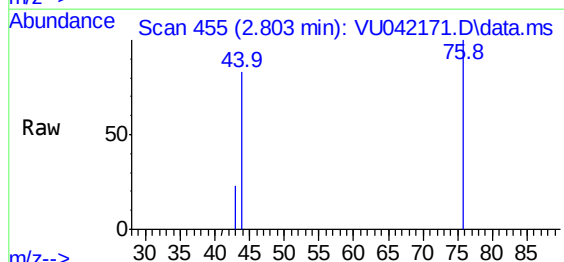
Instrument :
MSVOA_U
ClientSampleId :
F1E13

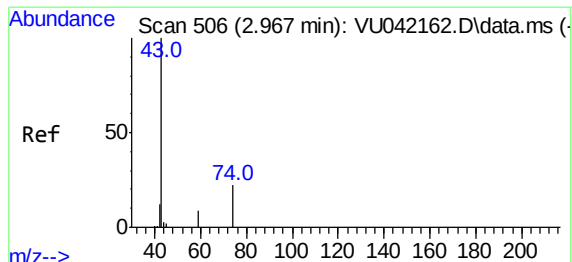
Tgt Ion: 43 Resp: 2099
Ion Ratio Lower Upper
43 100
58 8.6 0.0 55.8



#14
Carbon disulfide
Concen: 0.04 ug/L
RT: 2.803 min Scan# 455
Delta R.T. 0.006 min
Lab File: VU042171.D
Acq: 22 Jan 2021 15:45

Tgt Ion: 76 Resp: 1005
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

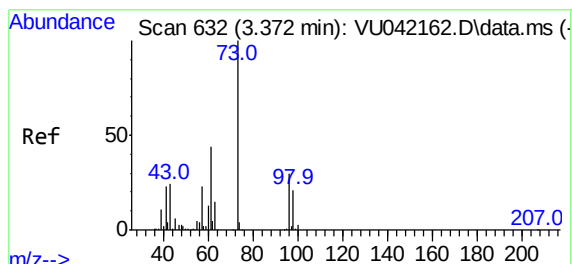
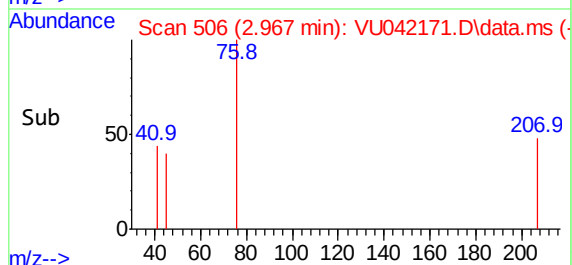
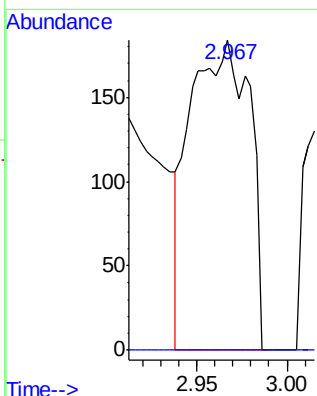
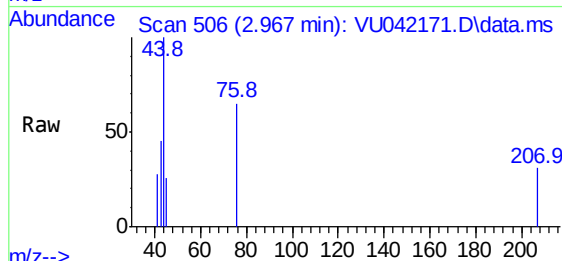




#15
Methyl Acetate
Concen: 0.11 ug/L
RT: 2.967 min Scan# 506
Delta R.T. -0.000 min
Lab File: VU042171.D
Acq: 22 Jan 2021 15:45

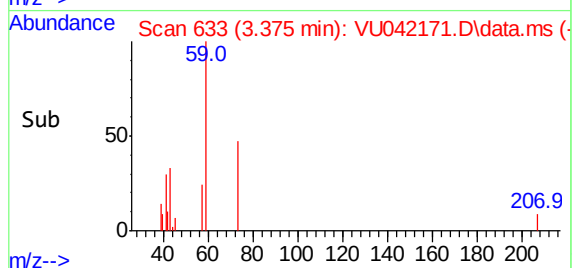
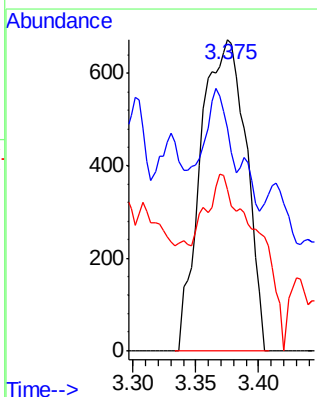
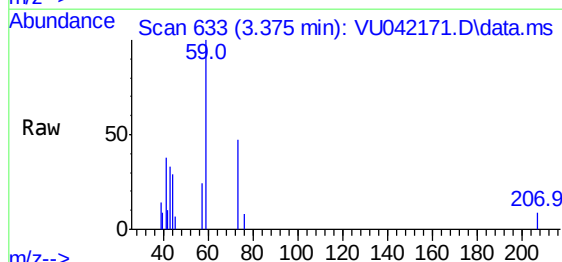
Instrument :
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ClientSampleId :
F1E13

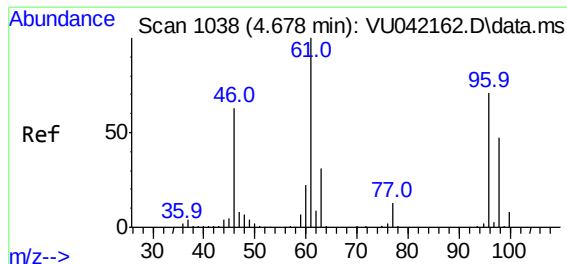
Tgt Ion: 43 Resp: 418
Ion Ratio Lower Upper
43 100
74 0.0 16.9 25.3#



#17
Methyl tert-butyl Ether
Concen: 0.08 ug/L
RT: 3.375 min Scan# 633
Delta R.T. 0.003 min
Lab File: VU042171.D
Acq: 22 Jan 2021 15:45

Tgt Ion: 73 Resp: 1685
Ion Ratio Lower Upper
73 100
43 13.8 18.9 28.3#
57 69.8 18.2 27.4#

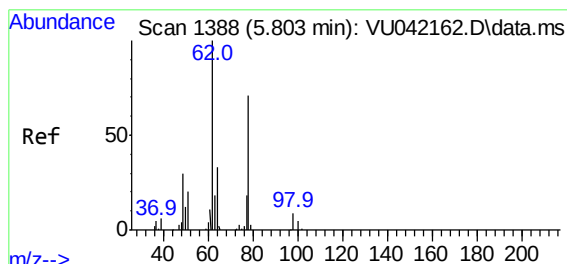
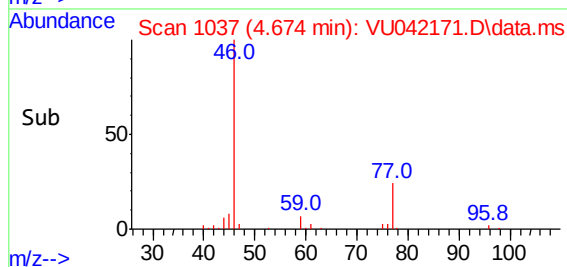
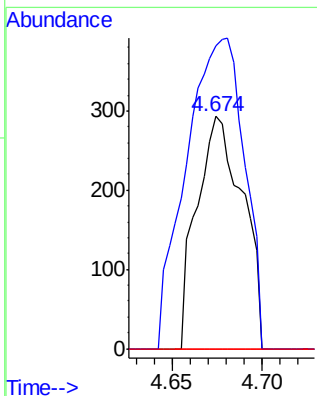
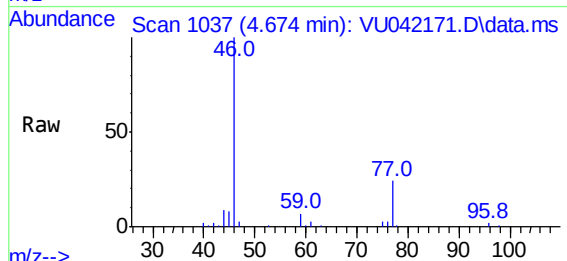




#22
 cis-1,2-Dichloroethene
 Concen: 0.07 ug/L
 RT: 4.674 min Scan# 1037
 Delta R.T. -0.003 min
 Lab File: VU042171.D
 Acq: 22 Jan 2021 15:45

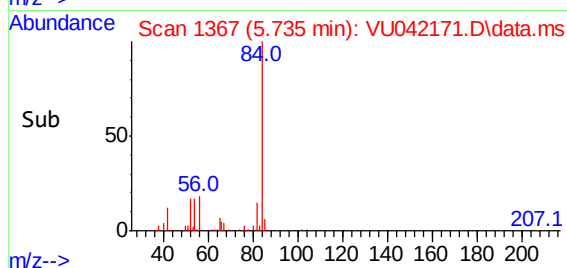
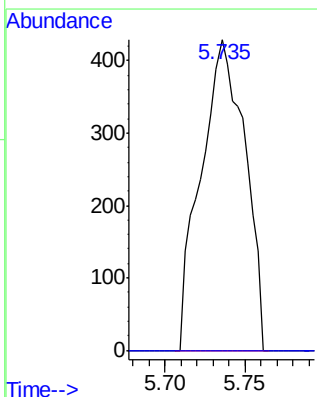
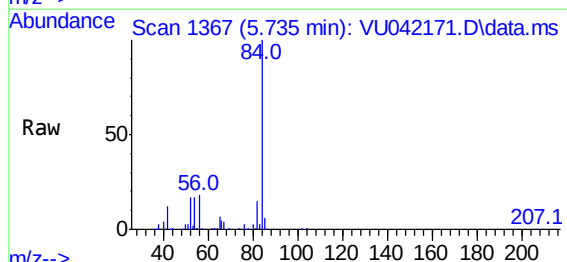
Instrument :
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 ClientSampleId :
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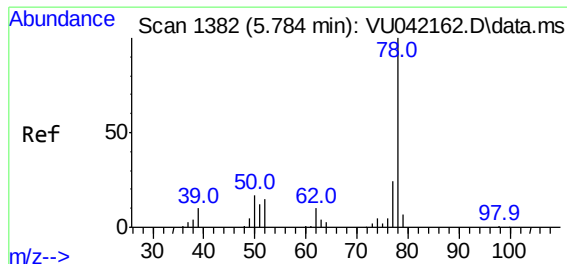
Tgt Ion: 96 Resp: 515
 Ion Ratio Lower Upper
 96 100
 61 130.4 97.8 181.6
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.08 ug/L
 RT: 5.735 min Scan# 1367
 Delta R.T. -0.068 min
 Lab File: VU042171.D
 Acq: 22 Jan 2021 15:45

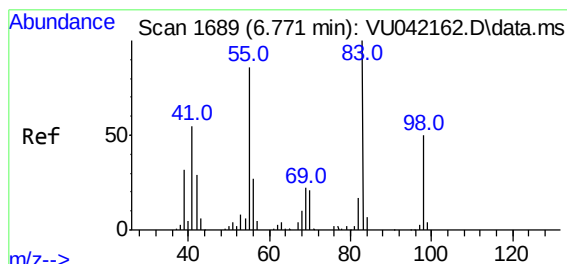
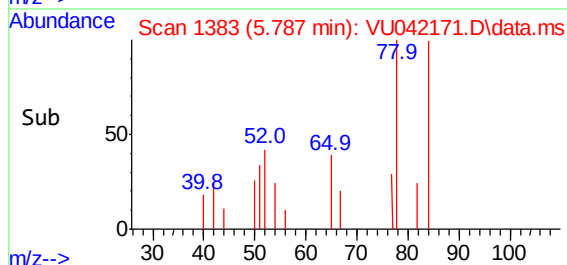
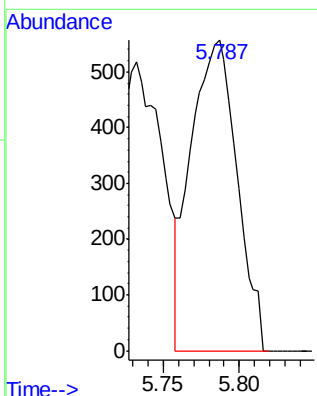
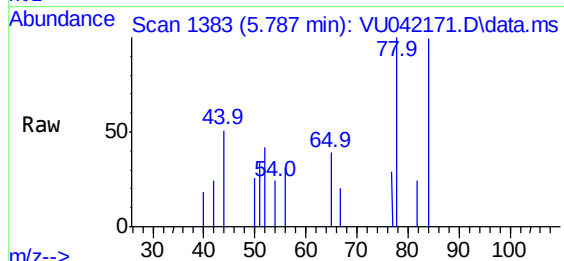
Tgt Ion: 62 Resp: 804
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.3 10.9#





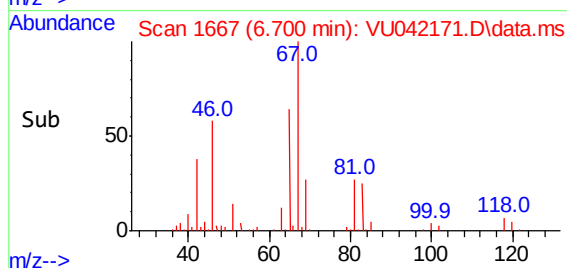
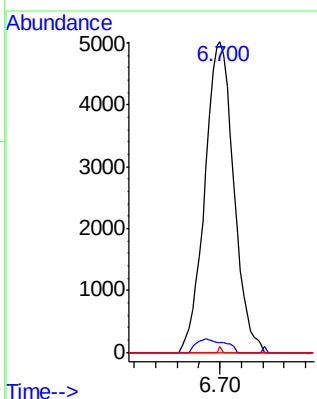
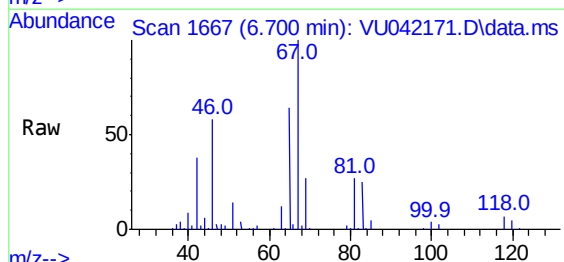
#33
Benzene
Concen: 0.04 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. 0.003 min
Lab File: VU042171.D
Acq: 22 Jan 2021 15:45
Tgt Ion: 78 Resp: 1170

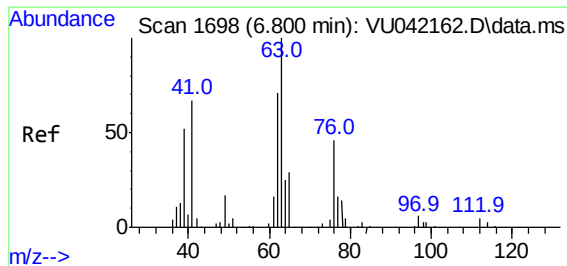
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#35
Methylcyclohexane
Concen: 0.74 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU042171.D
Acq: 22 Jan 2021 15:45
Tgt Ion: 83 Resp: 9359

Ion	Ratio	Lower	Upper
83	100		
55	4.3	68.2	102.4#
98	0.2	39.7	59.5#

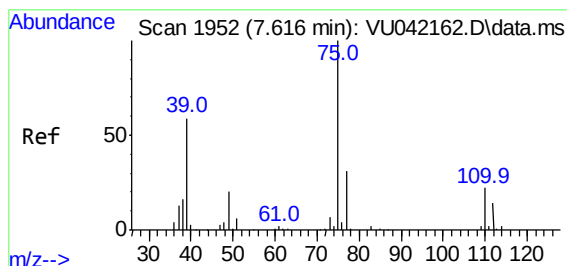
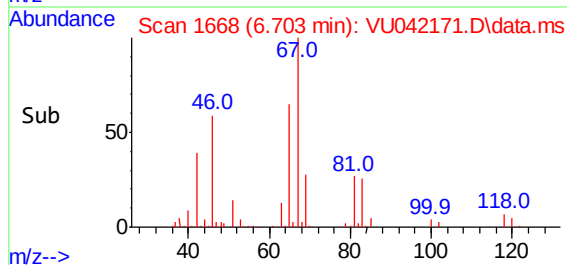
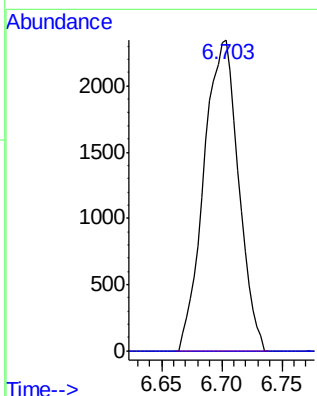
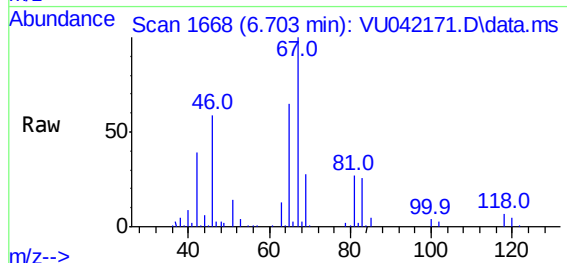




#37
1,2-Dichloropropane
Concen: 0.62 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.097 min
Lab File: VU042171.D
Acq: 22 Jan 2021 15:45

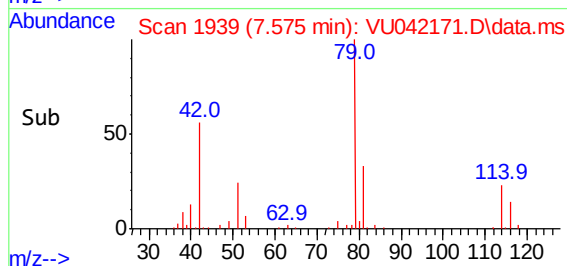
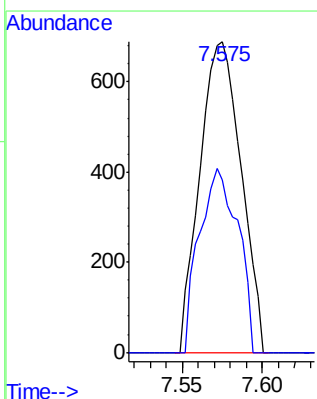
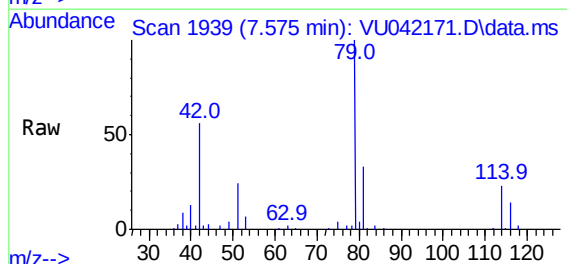
Instrument :
MSVOA_U
ClientSampleId :
F1E13

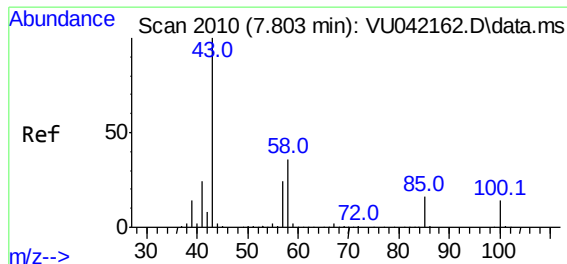
Tgt Ion: 63 Resp: 4579
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU042171.D
Acq: 22 Jan 2021 15:45

Tgt Ion: 75 Resp: 1208
Ion Ratio Lower Upper
75 100
77 55.6 22.0 40.8#

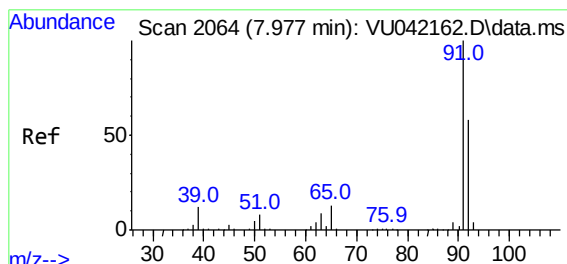
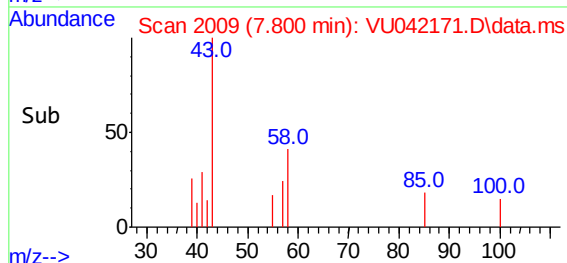
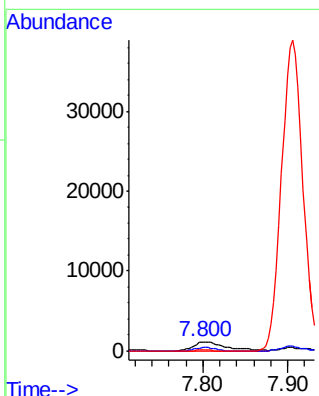
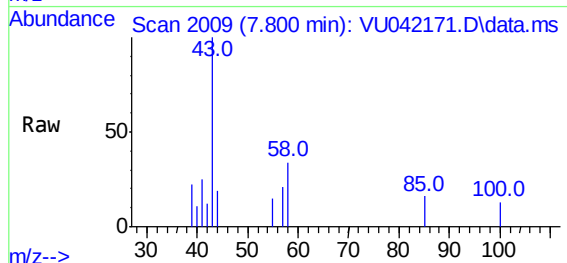




#40
4-Methyl-2-pentanone
Concen: 0.46 ug/L
RT: 7.800 min Scan# 2009
Delta R.T. -0.003 min
Lab File: VU042171.D
Acq: 22 Jan 2021 15:45

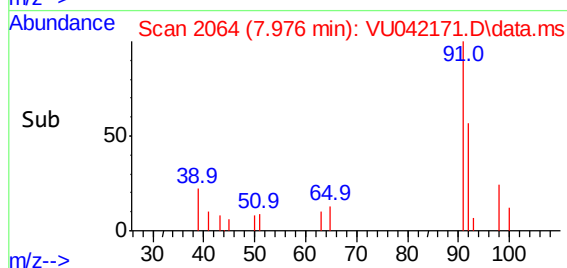
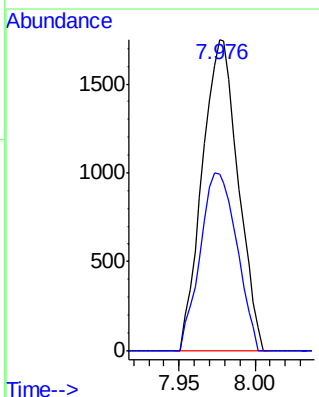
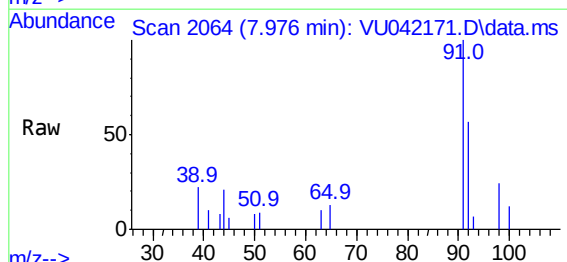
Instrument :
MSVOA_U
ClientSampleId :
F1E13

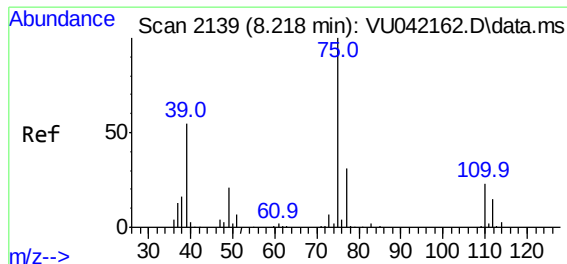
Tgt Ion: 43 Resp: 2926
Ion Ratio Lower Upper
43 100
58 22.3 29.1 43.7#
100 0.0 11.0 16.4#



#42
Toluene
Concen: 0.09 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU042171.D
Acq: 22 Jan 2021 15:45

Tgt Ion: 91 Resp: 2863
Ion Ratio Lower Upper
91 100
92 56.8 41.2 76.6



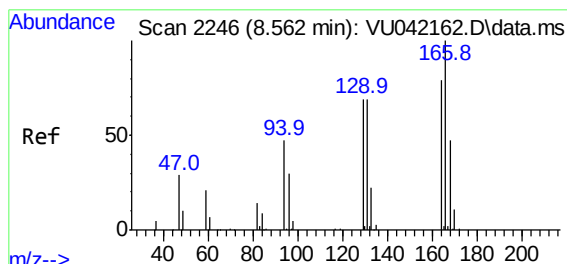
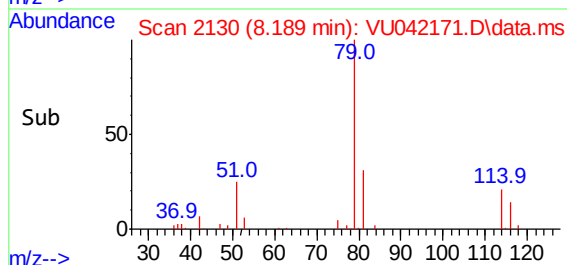
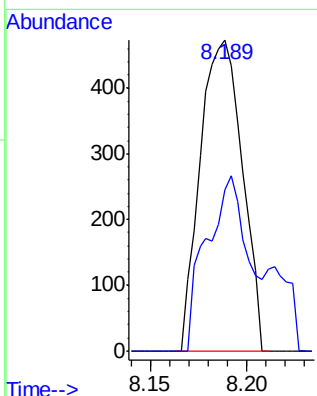
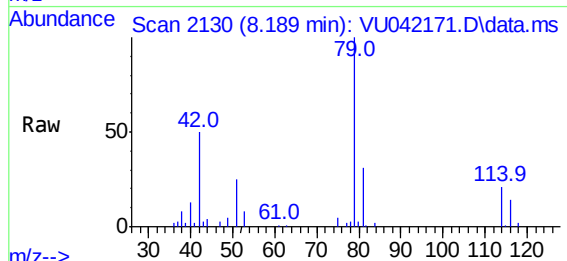


#44

trans-1,3-Dichloropropene
Concen: 0.06 ug/L
RT: 8.189 min Scan# 2130
Delta R.T. -0.029 min
Lab File: VU042171.D
Acq: 22 Jan 2021 15:45

Instrument :
MSVOA_U
ClientSampleId :
F1E13

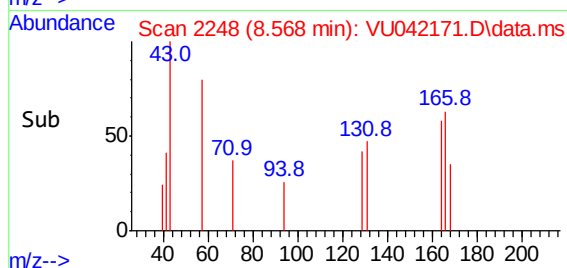
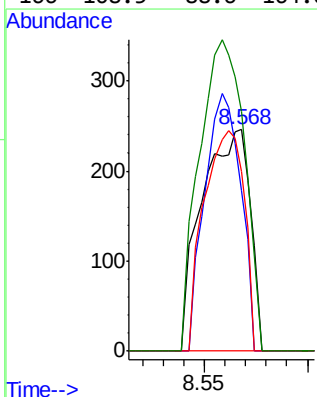
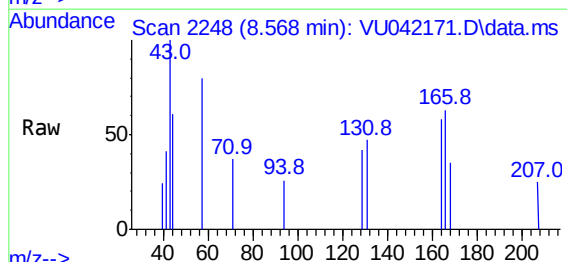
Tgt Ion: 75 Resp: 718
Ion Ratio Lower Upper
75 100
77 52.0 21.8 40.4#

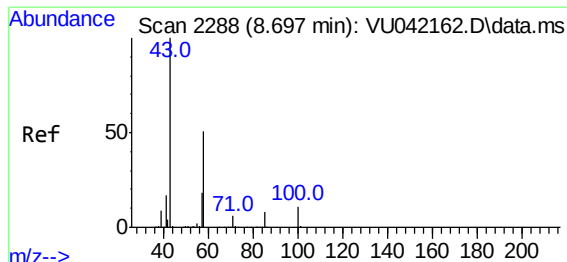


#47

Tetrachloroethene
Concen: 0.06 ug/L
RT: 8.568 min Scan# 2248
Delta R.T. 0.006 min
Lab File: VU042171.D
Acq: 22 Jan 2021 15:45

Tgt Ion: 164 Resp: 400
Ion Ratio Lower Upper
164 100
129 72.4 64.3 119.5
131 80.9 62.2 115.6
166 108.5 88.6 164.6

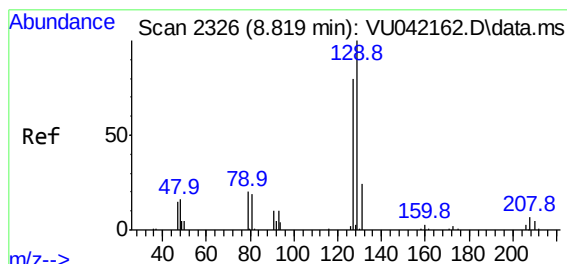
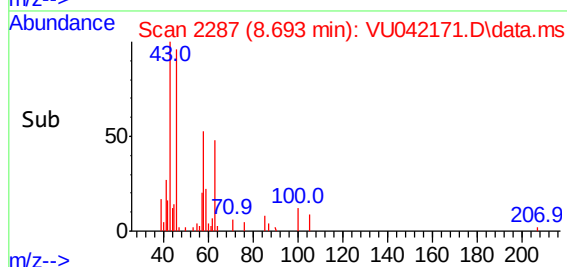
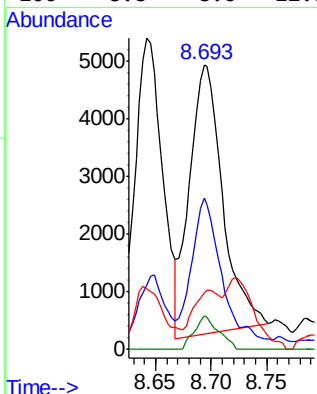
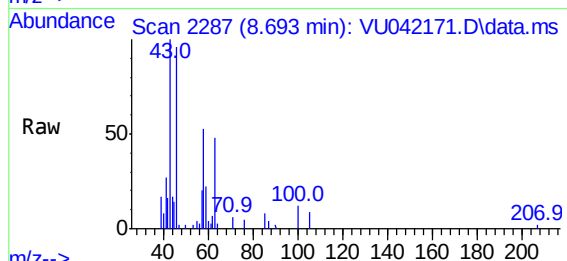




#48
2-Hexanone
Concen: 2.21 ug/L
RT: 8.693 min Scan# 2287
Delta R.T. -0.003 min
Lab File: VU042171.D
Acq: 22 Jan 2021 15:45

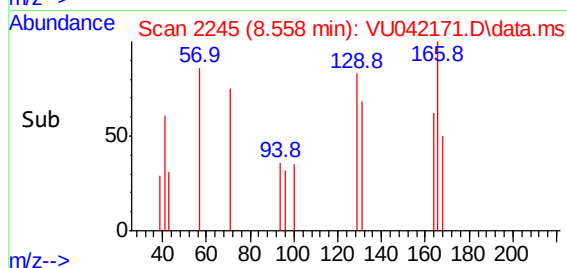
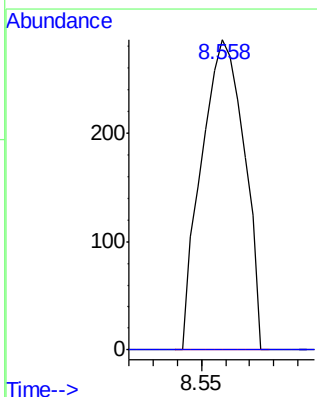
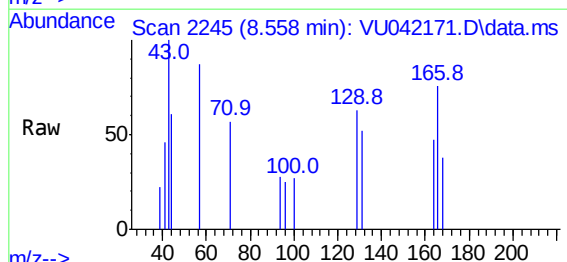
Instrument :
MSVOA_U
ClientSampleId :
F1E13

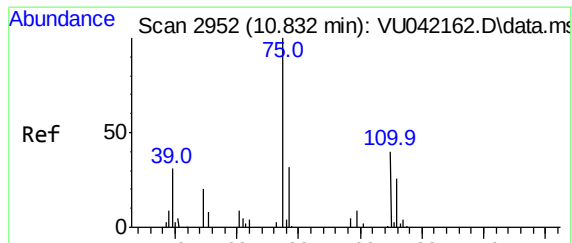
Tgt Ion:	43	Resp:	9715
Ion	Ratio	Lower	Upper
43	100		
58	48.1	40.6	61.0
57	18.2	14.9	22.3
100	8.8	8.6	12.8



#49
Dibromochloromethane
Concen: 0.05 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.261 min
Lab File: VU042171.D
Acq: 22 Jan 2021 15:45

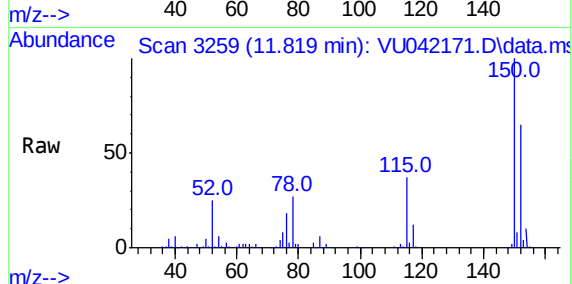
Tgt Ion:	129	Resp:	348
Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.3	97.1#





#59
 1,2,3-Trichloropropane
 Concen: 1.16 ug/L
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.987 min
 Lab File: VU042171.D
 Acq: 22 Jan 2021 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 F1E13



Tgt Ion: 75 Resp: 6065
 Ion Ratio Lower Upper
 75 100
 77 35.9 26.0 39.0

