

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032921\
 Data File : VU042817.D
 Acq On : 29 Mar 2021 15:34
 Operator : SY/MD
 Sample : M1846-05MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAR33MSD

Quant Time: Mar 30 01:15:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SOMUTR030221WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Mar 30 01:12:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.260	114	82913	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.424	117	81740	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.822	152	39854	5.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	22774	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.919	69	20165	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.575	63	54642	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.60%
20) 2-Butanone-d5	4.649	46	72089	39.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.44%
24) Chloroform-d	5.073	84	51410	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.710	65	32638	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.739	84	92821	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.700	67	31857	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.906	98	83641	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloroprop...	8.189	79	12825	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.645	63	71153	49.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.40%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	27109	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	12.202	152	34811	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

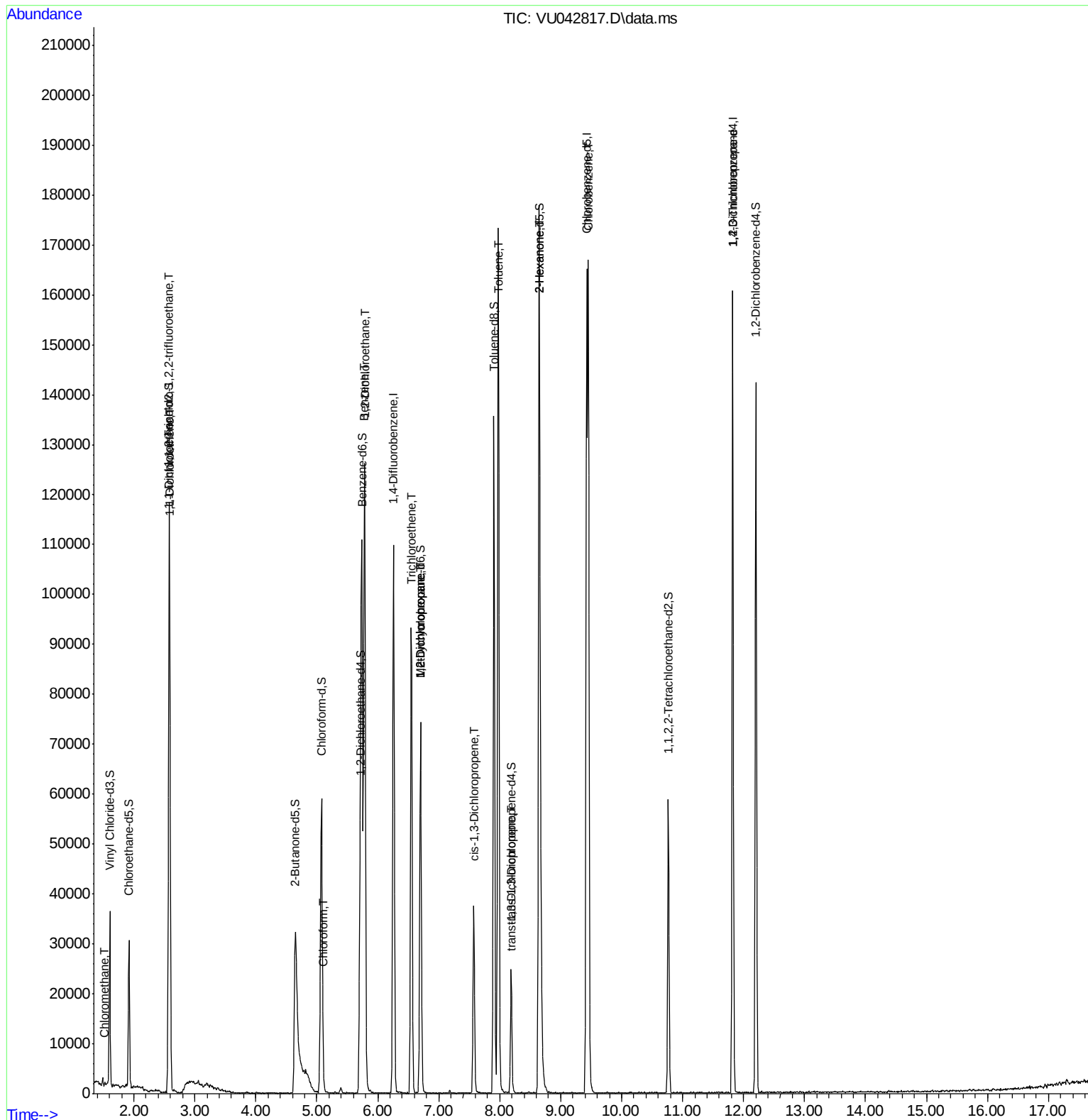
Target Compounds						Qvalue
3) Chloromethane	1.520	50	337	0.05	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	365	0.06	ug/L #	18
12) 1,1-Dichloroethene	2.588	96	24359	4.17	ug/L	84
25) Chloroform	5.099	83	2645	0.21	ug/L	100
27) 1,2-Dichloroethane	5.784	62	1308	0.14	ug/L #	75
33) Benzene	5.781	78	110305	4.31	ug/L	100
34) Trichloroethene	6.552	95	29667	4.18	ug/L	97
35) Methylcyclohexane	6.700	83	7279	0.67	ug/L #	15
37) 1,2-Dichloropropane	6.700	63	4133	0.60	ug/L #	87
39) cis-1,3-Dichloropropene	7.575	75	898	0.09	ug/L #	66
42) Toluene	7.977	91	118955	4.26	ug/L	98
44) trans-1,3-Dichloropropene	8.195	75	577	0.06	ug/L #	68
48) 2-Hexanone	8.649	43	11355	2.56	ug/L #	72
51) Chlorobenzene	9.456	112	78286	4.39	ug/L	98
59) 1,2,3-Trichloropropane	11.819	75	5064	0.98	ug/L #	86

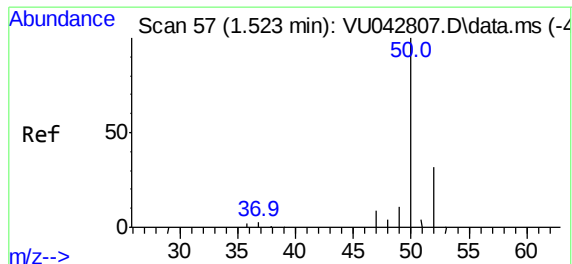
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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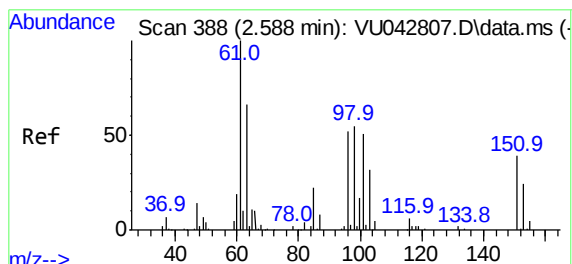
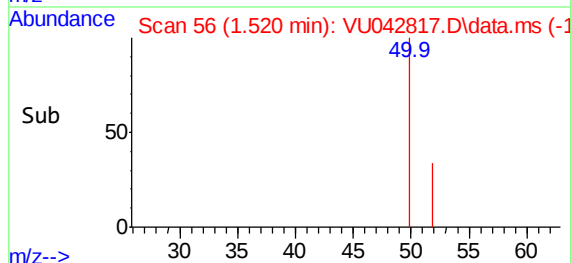
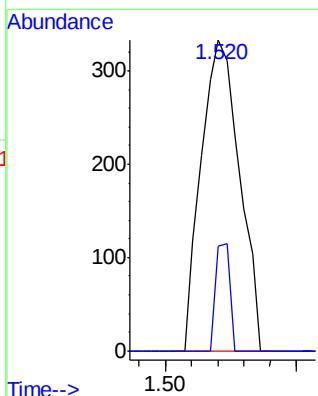
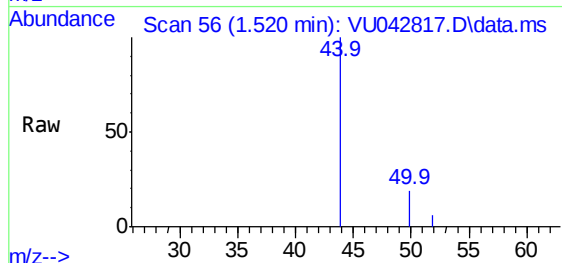




#3
Chloromethane
Concen: 0.05 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU042817.D
Acq: 29 Mar 2021 15:34

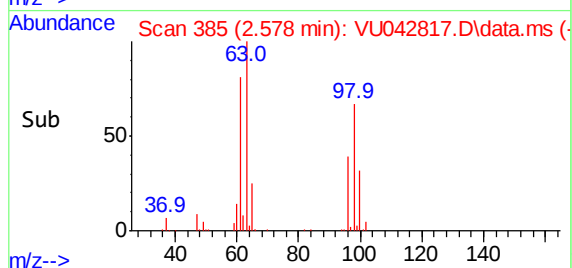
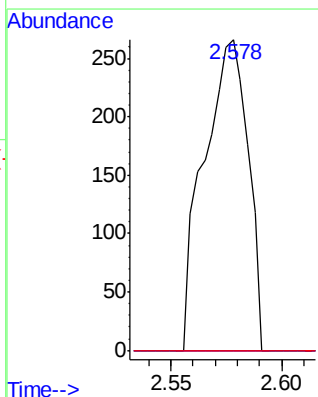
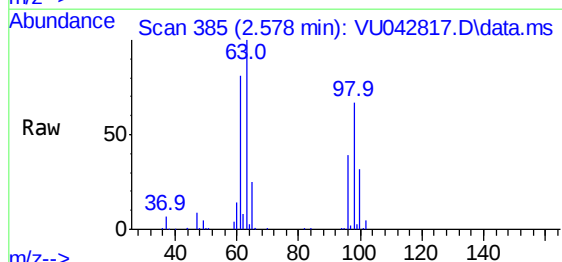
Instrument :
MSVOA_U
ClientSampleId :
YAR33MSD

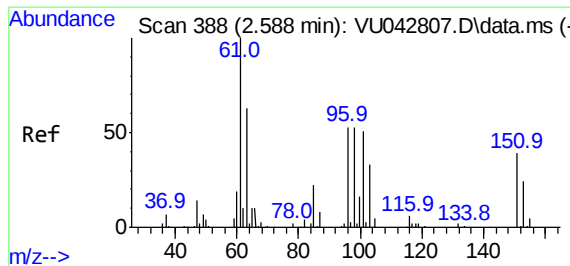
Tgt Ion: 50 Resp: 337
Ion Ratio Lower Upper
50 100
52 33.6 23.0 42.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.06 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.009 min
Lab File: VU042817.D
Acq: 29 Mar 2021 15:34

Tgt Ion: 101 Resp: 365
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 62.7 94.1#

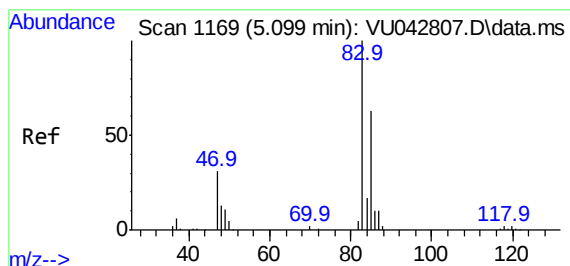
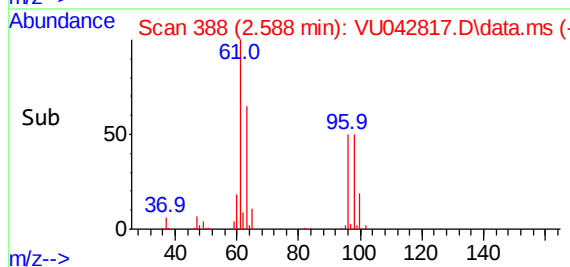
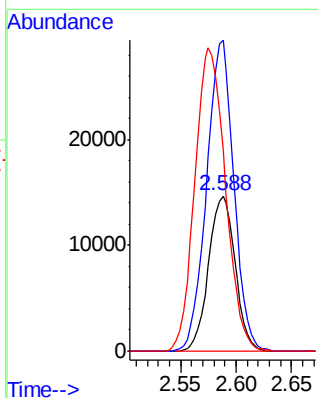
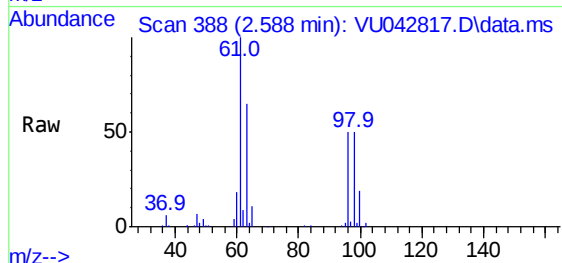




#12
1,1-Dichloroethene
Concen: 4.17 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.000 min
Lab File: VU042817.D
Acq: 29 Mar 2021 15:34

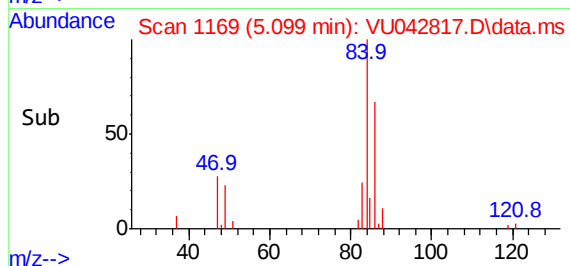
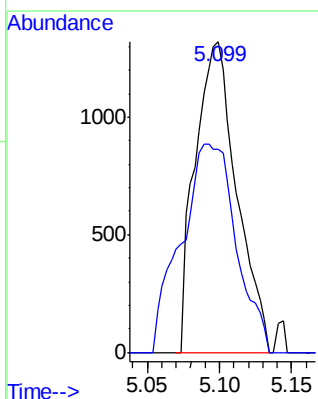
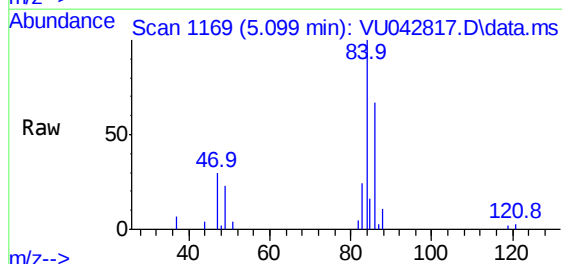
Instrument :
MSVOA_U
ClientSampleId :
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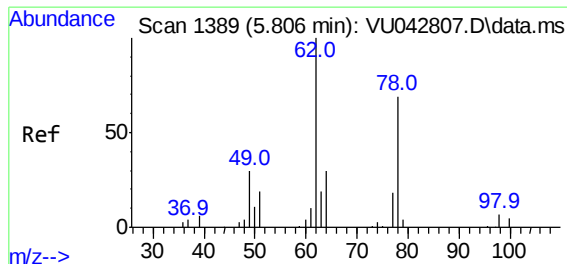
Tgt Ion: 96 Resp: 24359
Ion Ratio Lower Upper
96 100
61 200.9 126.2 234.4
63 129.6 77.8 144.4



#25
Chloroform
Concen: 0.21 ug/L
RT: 5.099 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VU042817.D
Acq: 29 Mar 2021 15:34

Tgt Ion: 83 Resp: 2645
Ion Ratio Lower Upper
83 100
85 65.3 45.7 84.9

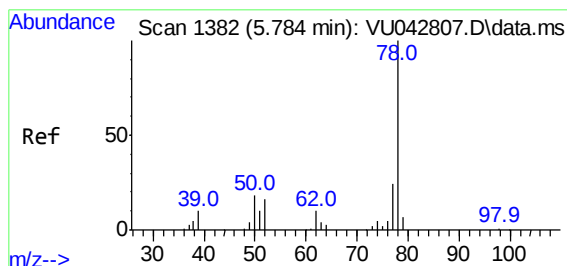
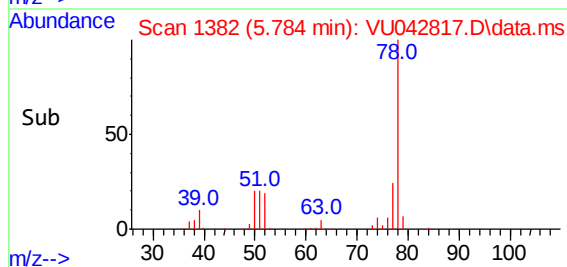
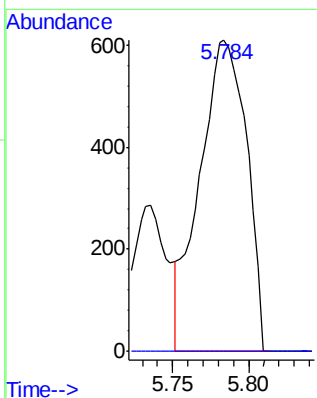
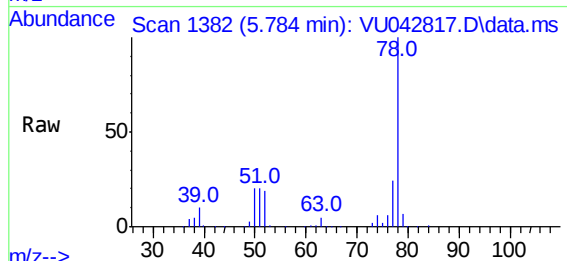




#27
1,2-Dichloroethane
Concen: 0.14 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. -0.022 min
Lab File: VU042817.D
Acq: 29 Mar 2021 15:34

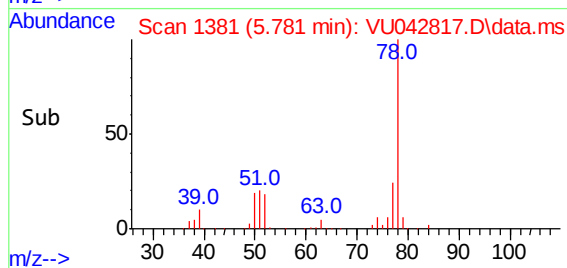
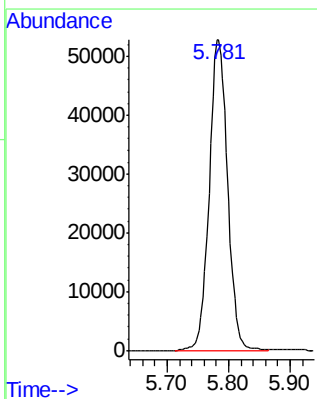
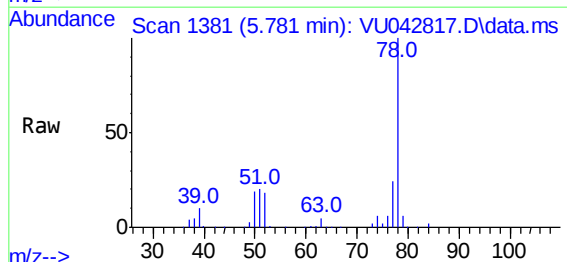
Instrument :
MSVOA_U
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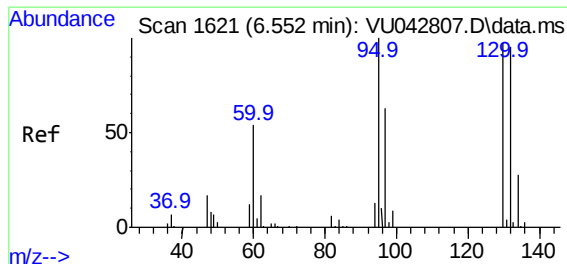
Tgt Ion: 62 Resp: 1308
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#33
Benzene
Concen: 4.31 ug/L
RT: 5.781 min Scan# 1381
Delta R.T. -0.003 min
Lab File: VU042817.D
Acq: 29 Mar 2021 15:34

Tgt Ion: 78 Resp: 110305



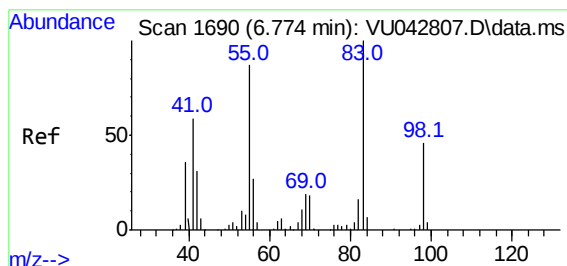
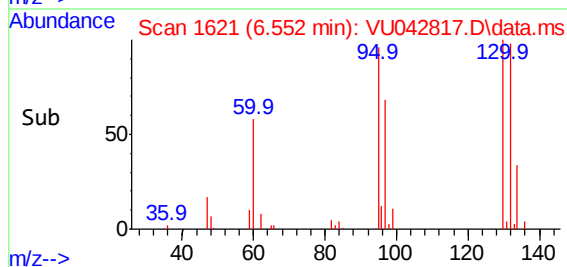
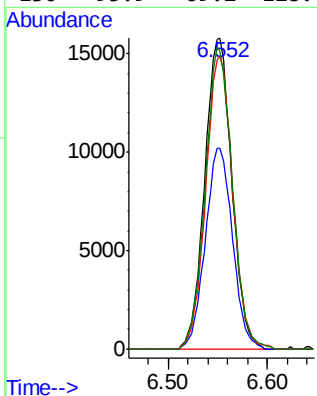
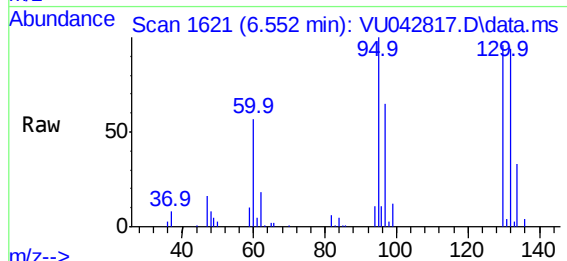


#34
Trichloroethene
Concen: 4.18 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VU042817.D
Acq: 29 Mar 2021 15:34

Instrument :
MSVOA_U
ClientSampleId :
YAR33MSD

Tgt Ion: 95 Resp: 29667

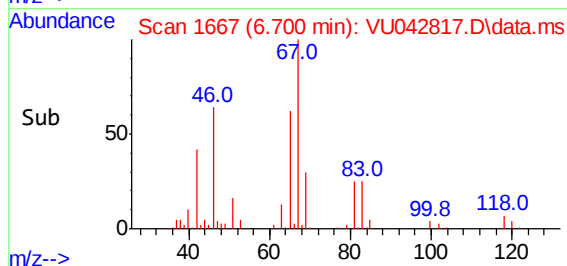
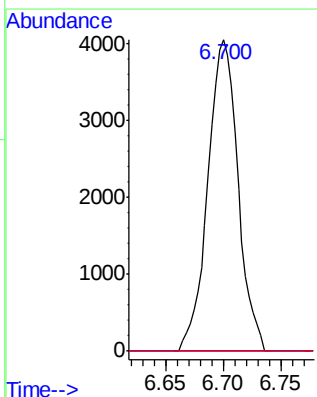
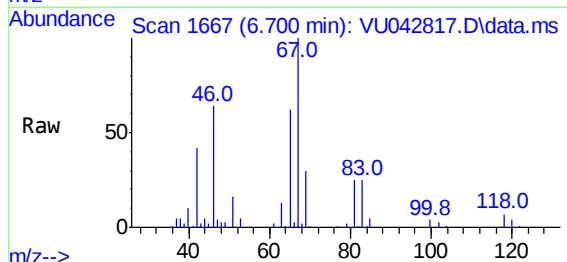
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.4	82.4
132	94.3	68.0	126.4
130	95.9	69.2	128.4

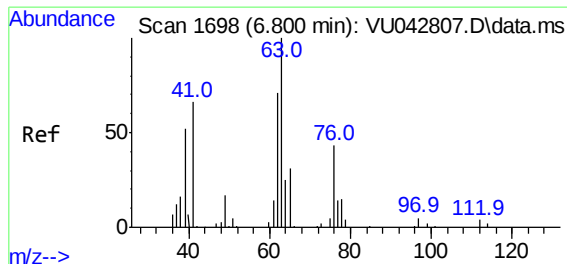


#35
Methylcyclohexane
Concen: 0.67 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.074 min
Lab File: VU042817.D
Acq: 29 Mar 2021 15:34

Tgt Ion: 83 Resp: 7279

Ion	Ratio	Lower	Upper
83	100		
55	0.0	68.2	102.4#
98	1.2	39.7	59.5#

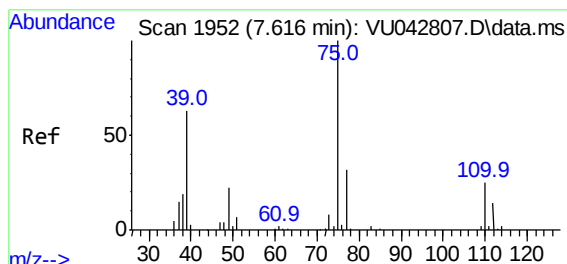
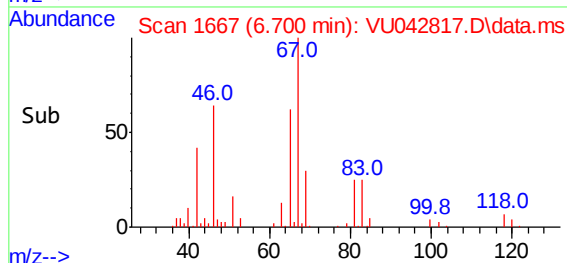
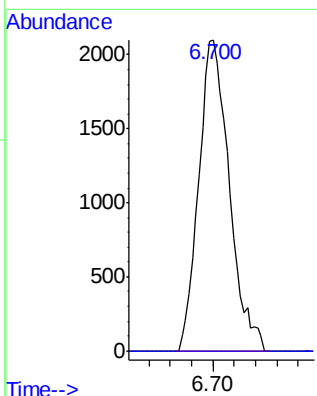
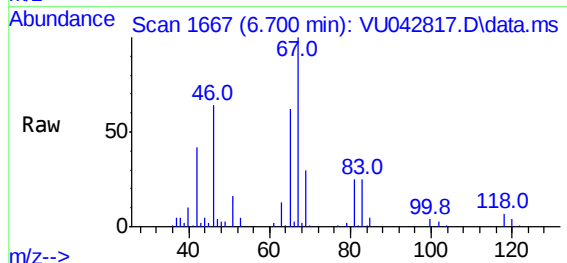




#37
1,2-Dichloropropane
Concen: 0.60 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.099 min
Lab File: VU042817.D
Acq: 29 Mar 2021 15:34

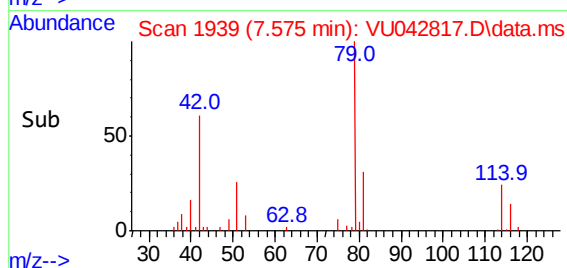
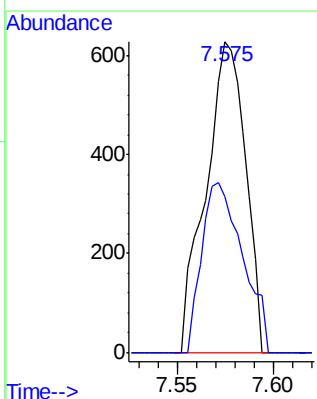
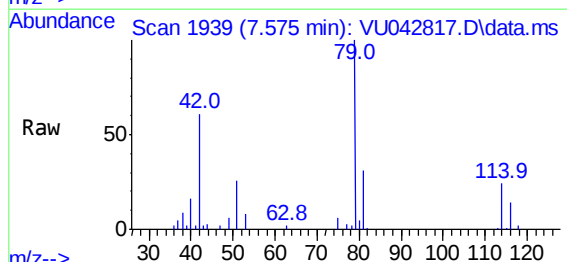
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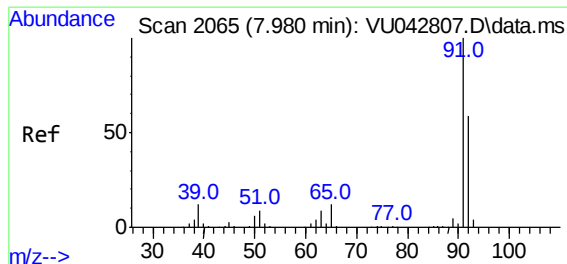
Tgt Ion: 63 Resp: 4133
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



#39
cis-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.042 min
Lab File: VU042817.D
Acq: 29 Mar 2021 15:34

Tgt Ion: 75 Resp: 898
Ion Ratio Lower Upper
75 100
77 50.3 22.0 40.8#

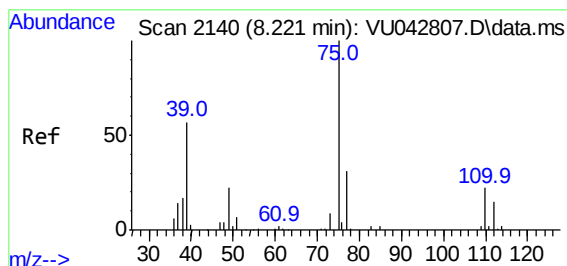
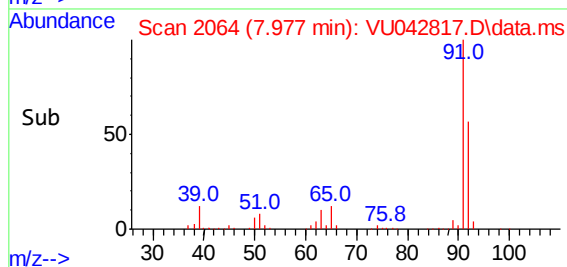
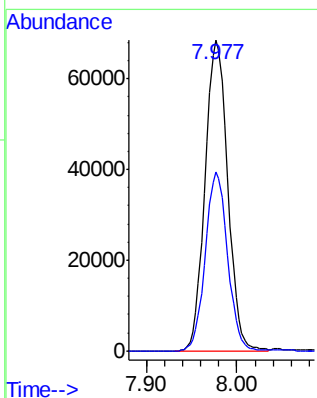
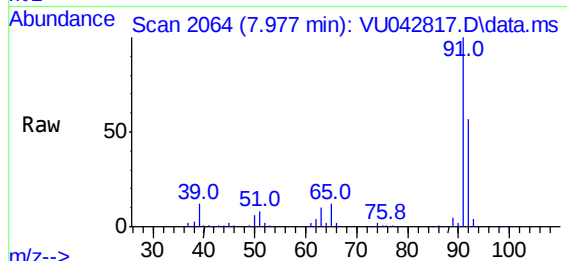




#42
Toluene
Concen: 4.26 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. -0.003 min
Lab File: VU042817.D
Acq: 29 Mar 2021 15:34

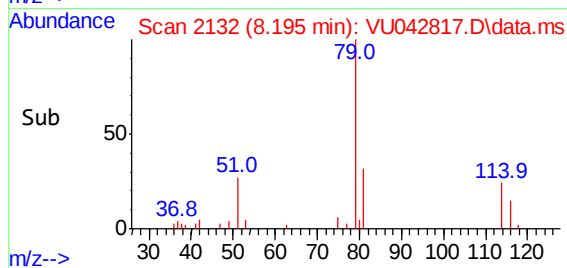
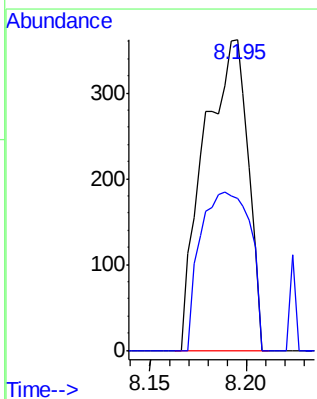
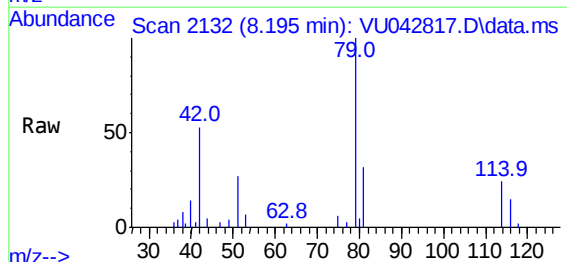
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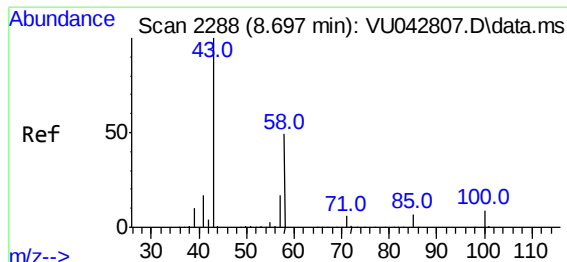
Tgt Ion: 91 Resp: 118955
Ion Ratio Lower Upper
91 100
92 57.4 41.2 76.6



#44
trans-1,3-Dichloropropene
Concen: 0.06 ug/L
RT: 8.195 min Scan# 2132
Delta R.T. -0.025 min
Lab File: VU042817.D
Acq: 29 Mar 2021 15:34

Tgt Ion: 75 Resp: 577
Ion Ratio Lower Upper
75 100
77 48.9 21.8 40.4



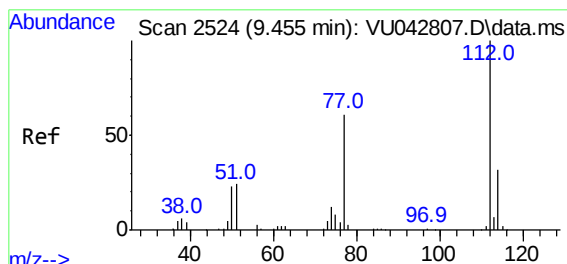
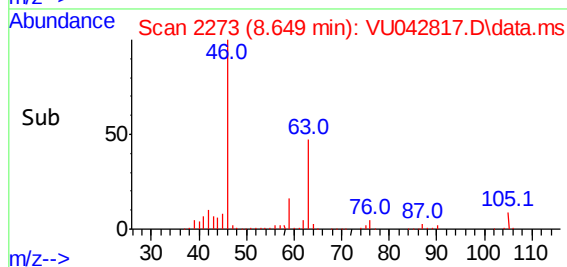
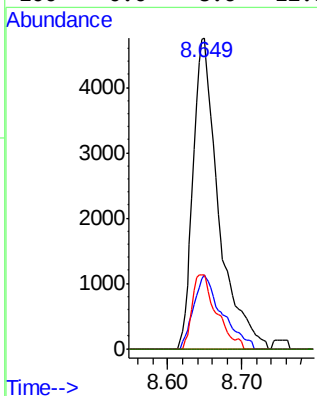
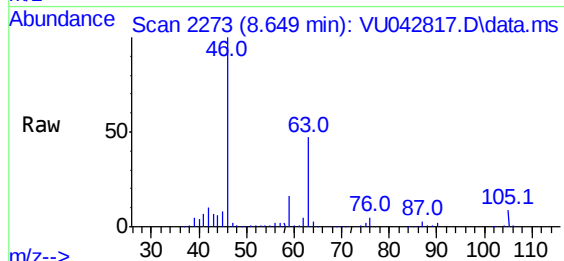


#48
2-Hexanone
Concen: 2.56 ug/L
RT: 8.649 min Scan# 2273
Delta R.T. -0.048 min
Lab File: VU042817.D
Acq: 29 Mar 2021 15:34

Instrument :
MSVOA_U
ClientSampleId :
YAR33MSD

Tgt Ion: 43 Resp: 11355

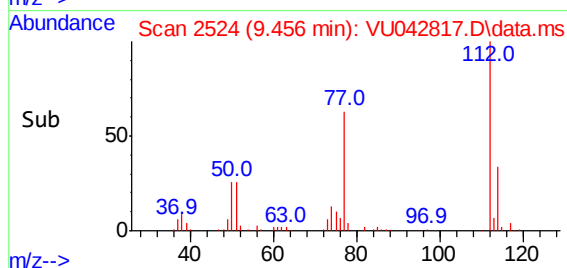
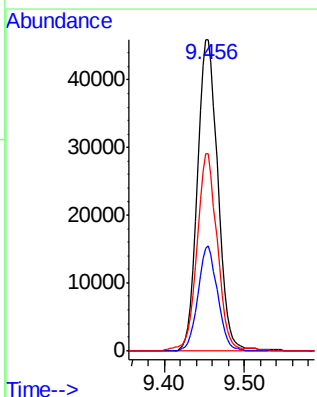
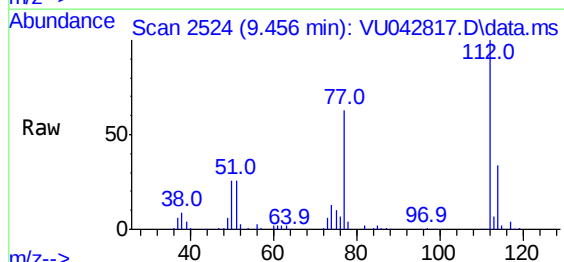
Ion	Ratio	Lower	Upper
43	100		
58	26.3	40.6	61.0#
57	22.2	14.9	22.3
100	0.0	8.6	12.8#

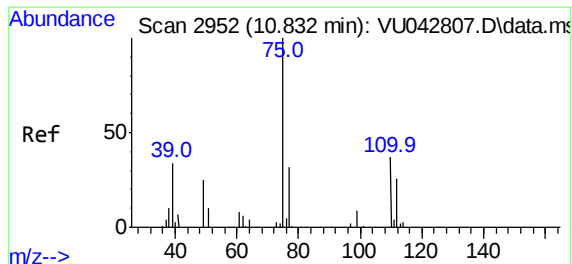


#51
Chlorobenzene
Concen: 4.39 ug/L
RT: 9.456 min Scan# 2524
Delta R.T. 0.000 min
Lab File: VU042817.D
Acq: 29 Mar 2021 15:34

Tgt Ion: 112 Resp: 78286

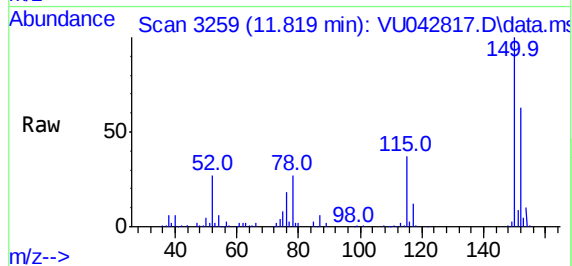
Ion	Ratio	Lower	Upper
112	100		
114	33.5	22.0	41.0
77	63.2	49.8	74.6





#59
 1,2,3-Trichloropropane
 Concen: 0.98 ug/L
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.987 min
 Lab File: VU042817.D
 Acq: 29 Mar 2021 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 YAR33MSD



Tgt Ion: 75 Resp: 5064
 Ion Ratio Lower Upper
 75 100
 77 40.5 26.0 39.0#

