

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020421\
 Data File : VU042264.D
 Acq On : 04 Feb 2021 14:16
 Operator : SY/MD
 Sample : M1323-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 05 02:25:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SOMUTR012021WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Feb 05 02:23:43 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	98741	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	93223	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.822	152	47296	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.600	65	27267	4.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.60%
7) Chloroethane-d5	1.919	69	24837	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.575	63	49955	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.645	46	116331	50.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.10%
24) Chloroform-d	5.073	84	62298	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.713	65	40359	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.739	84	118791	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.700	67	38866	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.906	98	109962	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloroprop...	8.189	79	15515	3.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.00%
46) 2-Hexanone-d5	8.645	63	83267	48.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.10%
57) 1,1,2,2-Tetrachloroeth...	10.764	84	31857	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	12.201	152	42613	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Qvalue
3) Chloromethane	1.523	50	432	0.05	ug/L 99
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	549	0.08	ug/L # 18
12) 1,1-Dichloroethene	2.571	96	395	0.06	ug/L # 1
13) Acetone	2.655	43	3147	2.03	ug/L 100
17) Methyl tert-butyl Ether	3.372	73	5117	0.26	ug/L 98
22) cis-1,2-Dichloroethene	4.678	96	12501	1.65	ug/L 96
25) Chloroform	5.095	83	2786	0.21	ug/L 92
27) 1,2-Dichloroethane	5.748	62	738	0.08	ug/L # 75
33) Benzene	5.739	78	899	0.03	ug/L 100
34) Trichloroethene	6.552	95	6891	0.93	ug/L 97
35) Methylcyclohexane	6.700	83	9498	0.77	ug/L # 15
37) 1,2-Dichloropropane	6.700	63	4760	0.66	ug/L # 87
39) cis-1,3-Dichloropropene	7.571	75	1056	0.09	ug/L # 75
44) trans-1,3-Dichloropropene	8.185	75	653	0.06	ug/L # 50
45) 1,1,2-Trichloroethane	8.558	97	486	0.09	ug/L # 24
47) Tetrachloroethene	8.562	164	56041	9.11	ug/L 98
48) 2-Hexanone	8.645	43	11455	2.67	ug/L # 69
49) Dibromochloromethane	8.562	129	51697	7.27	ug/L # 12
59) 1,2,3-Trichloropropane	11.819	75	5433	1.07	ug/L # 88

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 05 02:23:43 2021
Response via : Initial Calibration

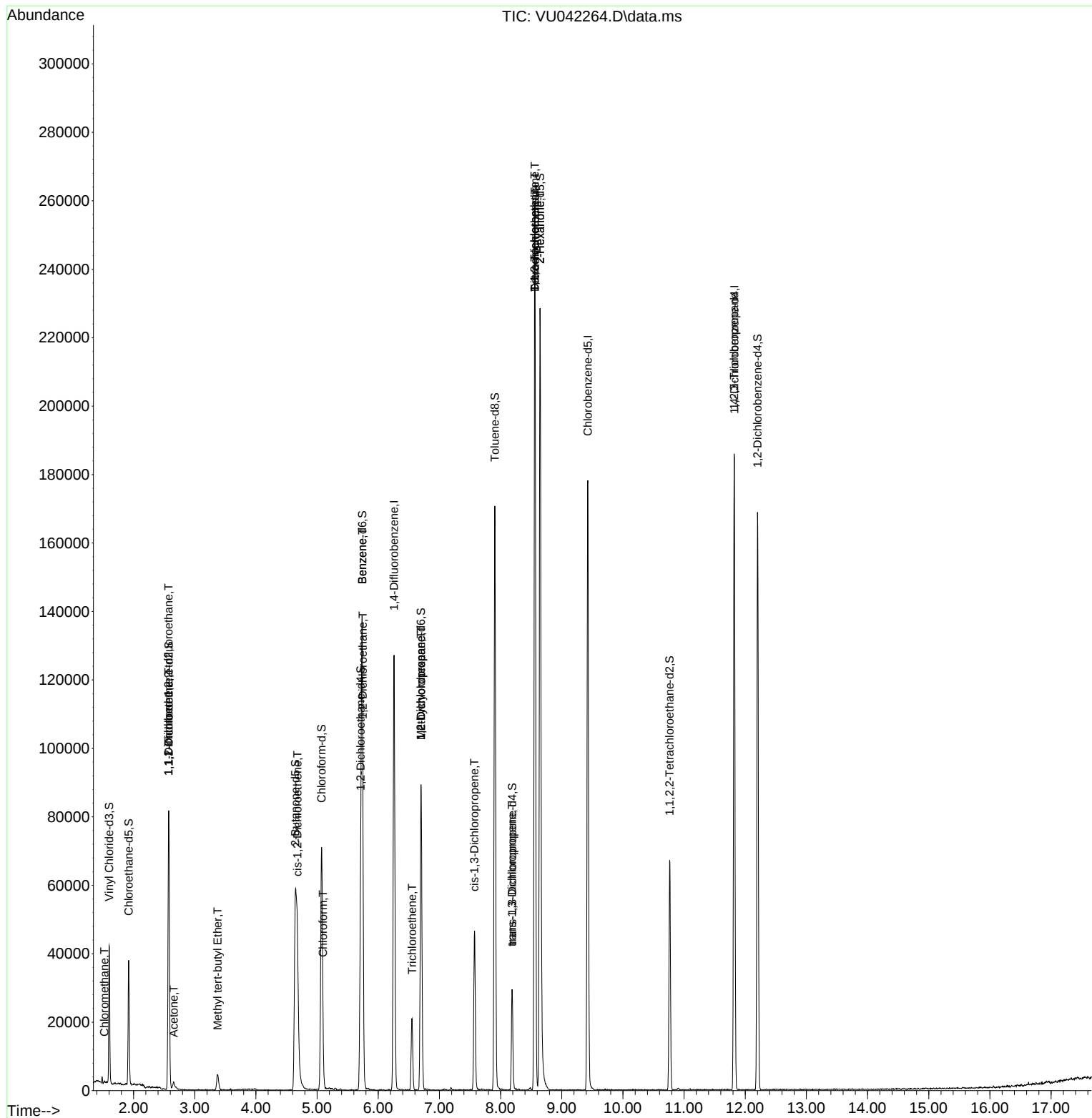
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

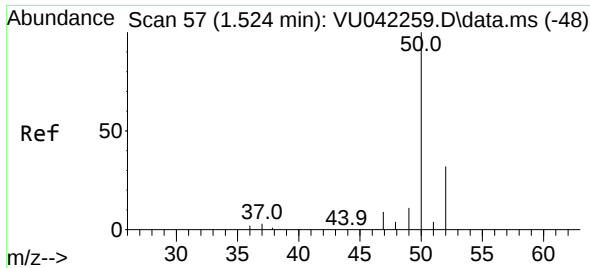
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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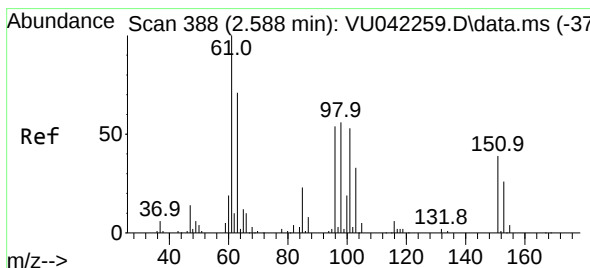
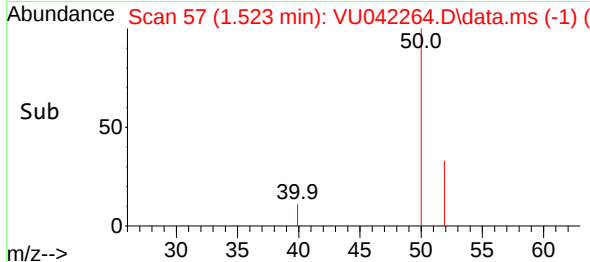
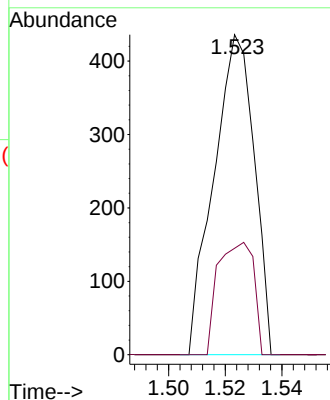
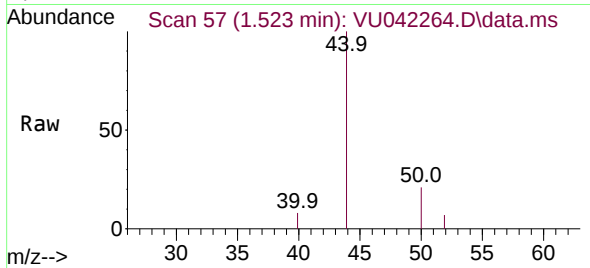




#3
Chloromethane
Concen: 0.05 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU042264.D
Acq: 04 Feb 2021 14:16

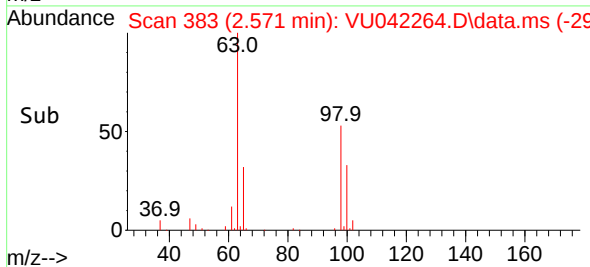
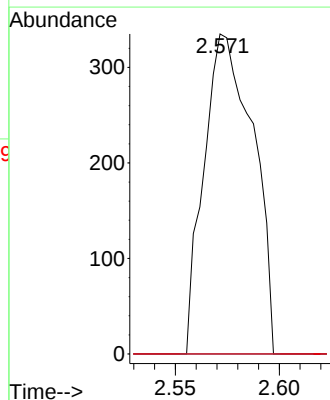
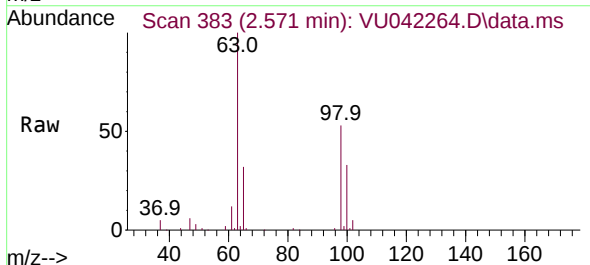
Instrument :
MSVOA_U
ClientSampled :

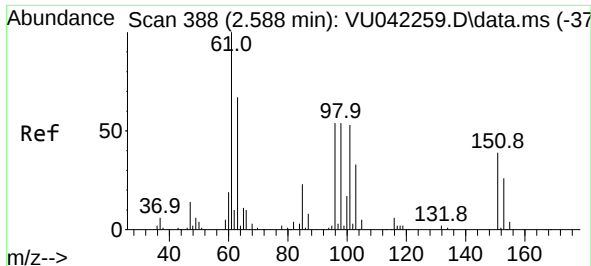
Tgt Ion: 50 Resp: 432
Ion Ratio Lower Upper
50 100
52 33.3 23.0 42.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.08 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU042264.D
Acq: 04 Feb 2021 14:16

Tgt Ion:101 Resp: 549
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: 0.06 ug/L

RT: 2.571 min Scan# 383

Delta R.T. -0.016 min

Lab File: VU042264.D

Acq: 04 Feb 2021 14:16

Tgt Ion: 96 Resp: 395

Ion Ratio Lower Upper

96 100

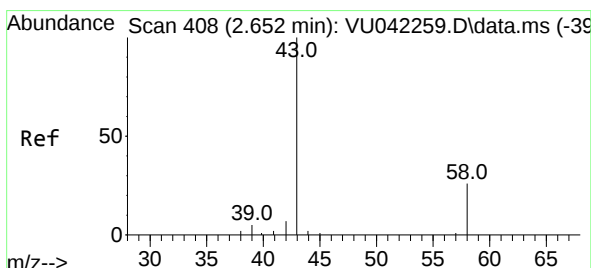
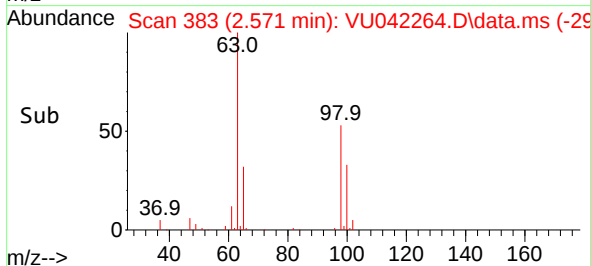
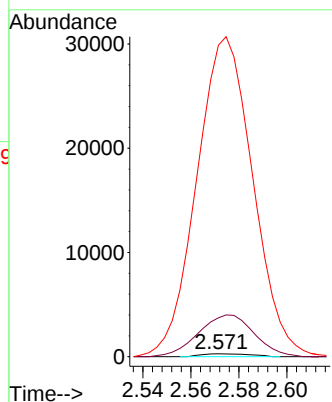
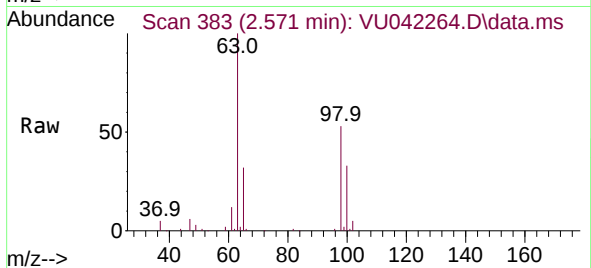
61 1343.2 126.2 234.4#

63 10751.1 77.8 144.4#

Instrument :

MSVOA_U

ClientSampled :



#13

Acetone

Concen: 2.03 ug/L

RT: 2.655 min Scan# 409

Delta R.T. 0.003 min

Lab File: VU042264.D

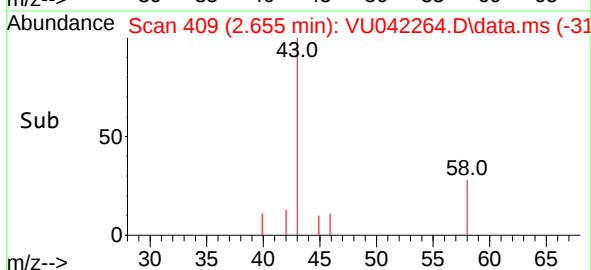
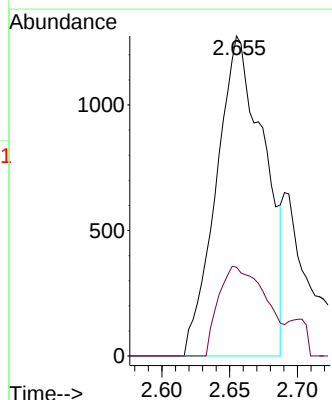
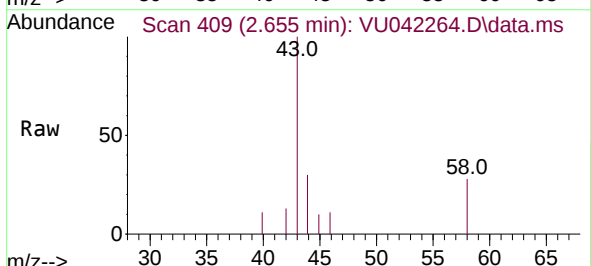
Acq: 04 Feb 2021 14:16

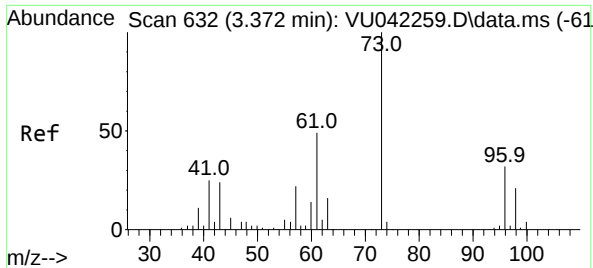
Tgt Ion: 43 Resp: 3147

Ion Ratio Lower Upper

43 100

58 27.8 0.0 55.8





#17

Methyl tert-butyl Ether

Concen: 0.26 ug/L

RT: 3.372 min Scan# 632

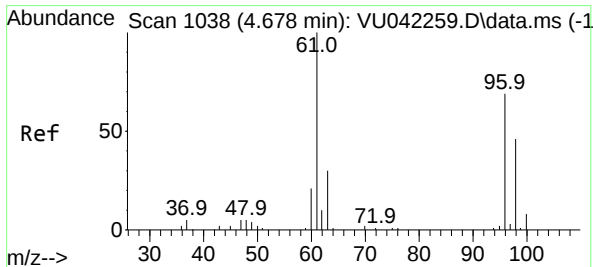
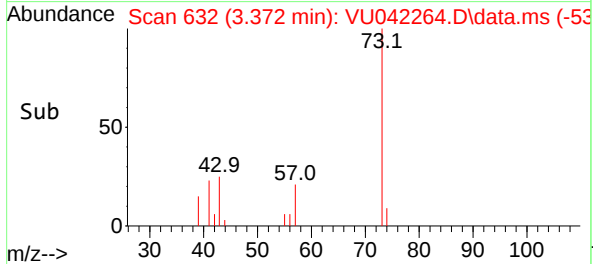
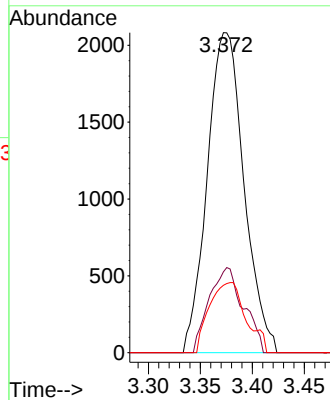
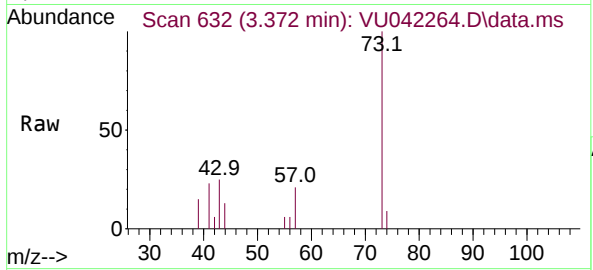
Delta R.T. -0.000 min

Lab File: VU042264.D

Acq: 04 Feb 2021 14:16

Tgt Ion: 73	Resp: 5117
Ion Ratio	Lower Upper
73 100	
43 24.9	18.9 28.3
57 21.8	18.2 27.4

Instrument :
MSVOA_U
ClientSampleId :



#22

cis-1,2-Dichloroethene

Concen: 1.65 ug/L

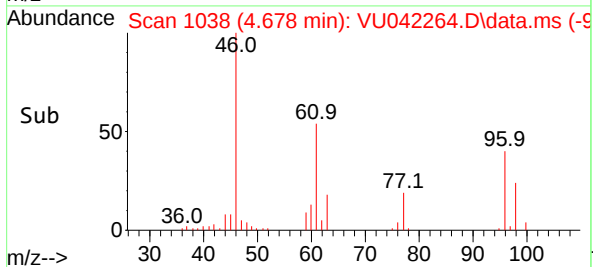
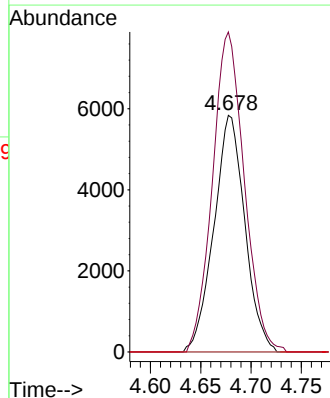
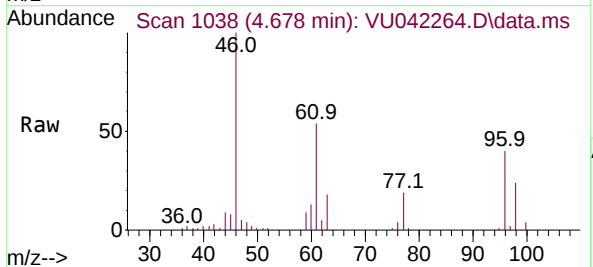
RT: 4.678 min Scan# 1038

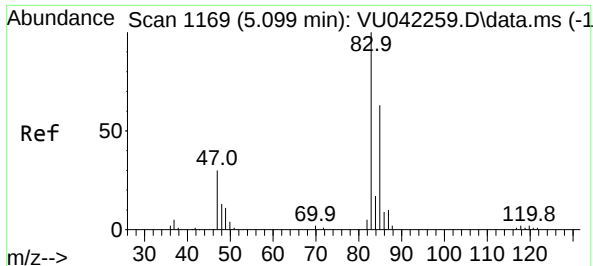
Delta R.T. -0.000 min

Lab File: VU042264.D

Acq: 04 Feb 2021 14:16

Tgt Ion: 96	Resp: 12501
Ion Ratio	Lower Upper
96 100	
61 135.2	97.8 181.6
68 0.0	0.0 0.0





#25

Chloroform

Concen: 0.21 ug/L

RT: 5.095 min Scan# 1168

Delta R.T. -0.004 min

Lab File: VU042264.D

Acq: 04 Feb 2021 14:16

Tgt Ion: 83 Resp: 2786

Ion Ratio Lower Upper

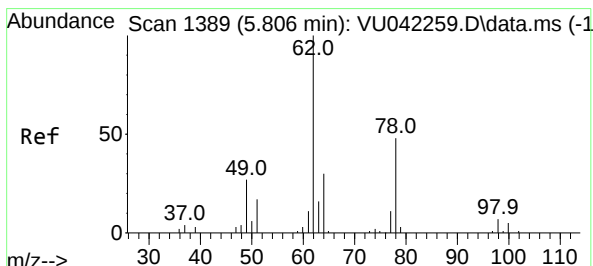
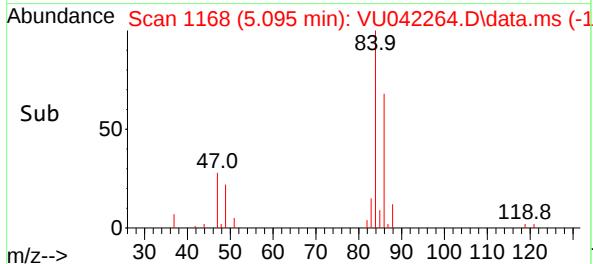
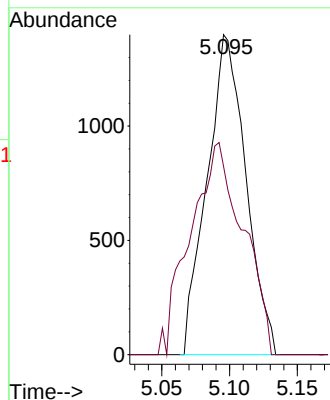
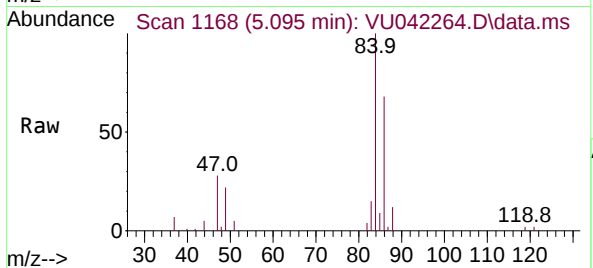
83 100

85 58.9 45.7 84.9

Instrument :

MSVOA_U

ClientSampled :



#27

1,2-Dichloroethane

Concen: 0.08 ug/L

RT: 5.748 min Scan# 1371

Delta R.T. -0.058 min

Lab File: VU042264.D

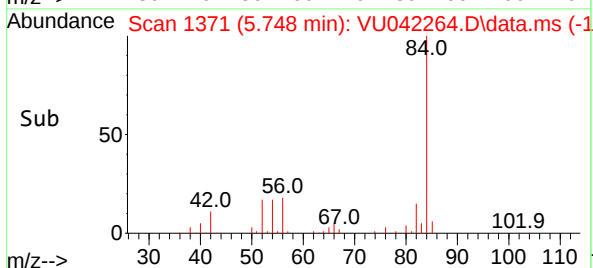
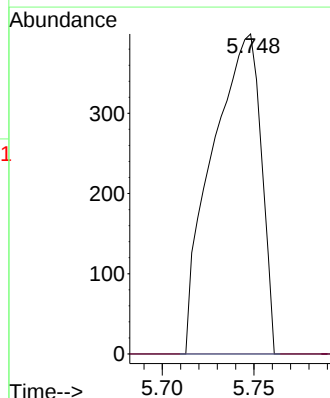
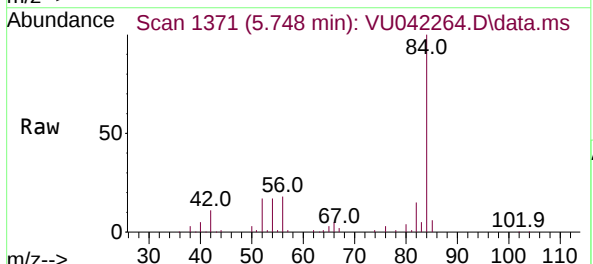
Acq: 04 Feb 2021 14:16

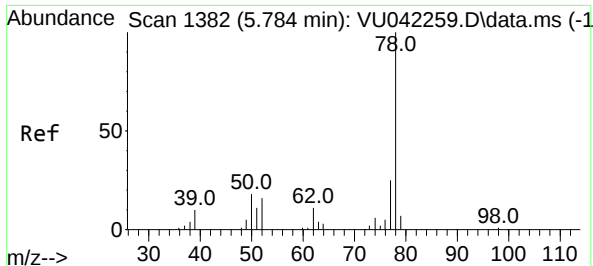
Tgt Ion: 62 Resp: 738

Ion Ratio Lower Upper

62 100

98 0.0 7.3 10.9#





#33

Benzene

Concen: 0.03 ug/L

RT: 5.739 min Scan# 1368

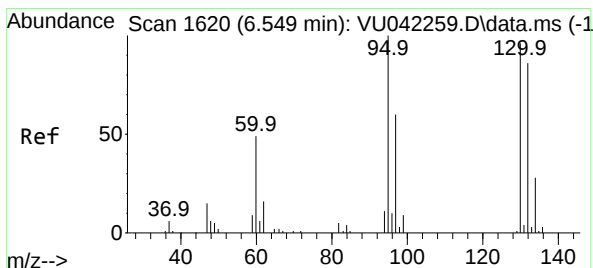
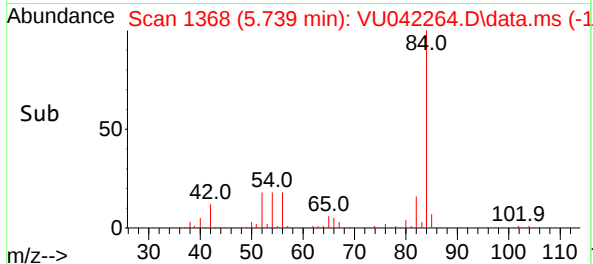
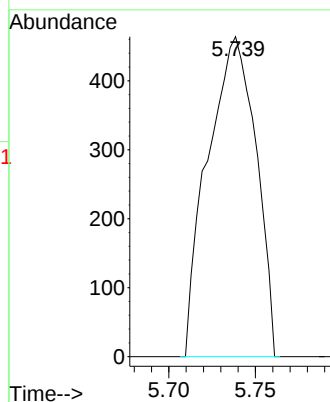
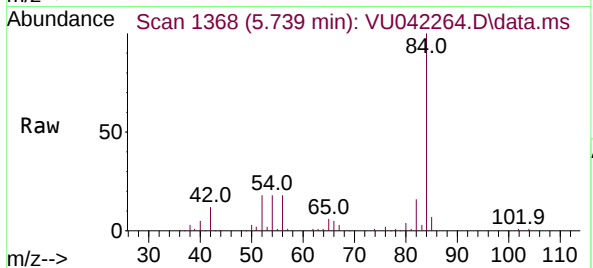
Delta R.T. -0.045 min

Lab File: VU042264.D

Acq: 04 Feb 2021 14:16

Tgt Ion: 78 Resp: 899

Instrument :
MSVOA_U
ClientSampled :



#34

Trichloroethene

Concen: 0.93 ug/L

RT: 6.552 min Scan# 1621

Delta R.T. 0.003 min

Lab File: VU042264.D

Acq: 04 Feb 2021 14:16

Tgt Ion: 95 Resp: 6891

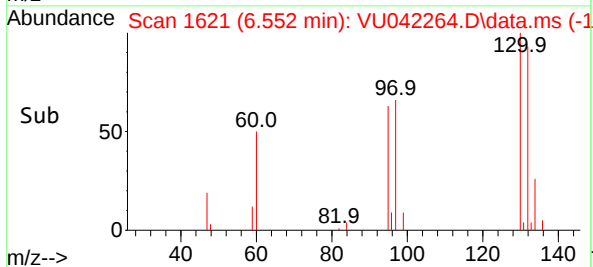
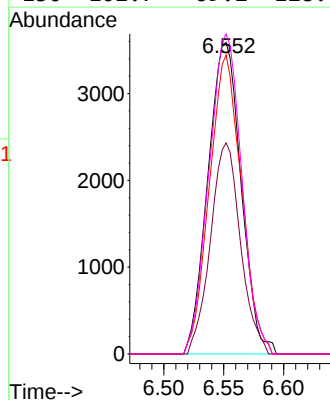
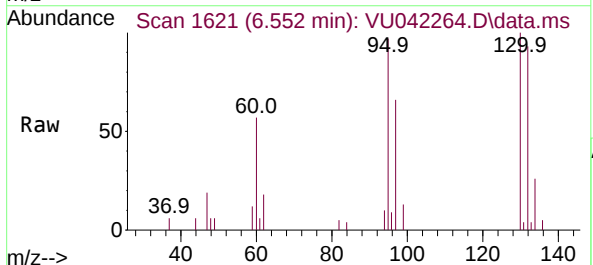
Ion Ratio Lower Upper

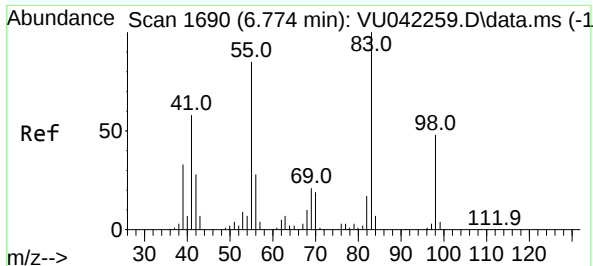
95 100

97 67.8 44.4 82.4

132 96.0 68.0 126.4

130 102.7 69.2 128.4





#35

Methylcyclohexane

Concen: 0.77 ug/L

RT: 6.700 min Scan# 1667

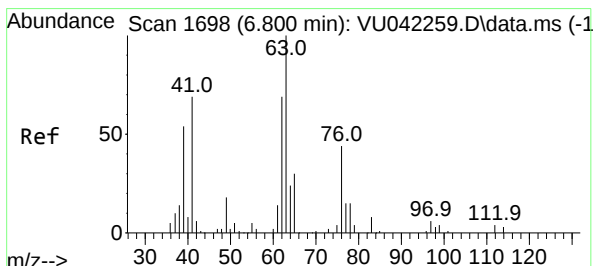
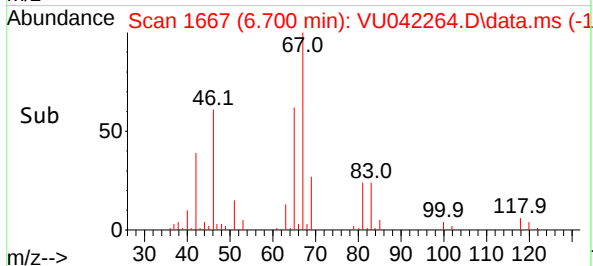
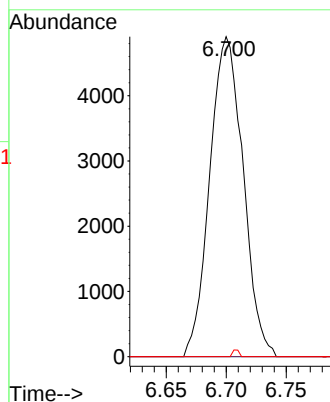
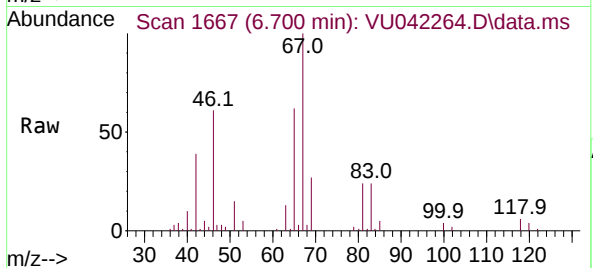
Delta R.T. -0.074 min

Lab File: VU042264.D

Acq: 04 Feb 2021 14:16

Tgt Ion:	83	Resp:	9498
Ion Ratio	Lower	Upper	
83	100		
55	0.0	68.2	102.4#
98	0.4	39.7	59.5#

Instrument :
MSVOA_U
ClientSampleId :



#37

1,2-Dichloropropane

Concen: 0.66 ug/L

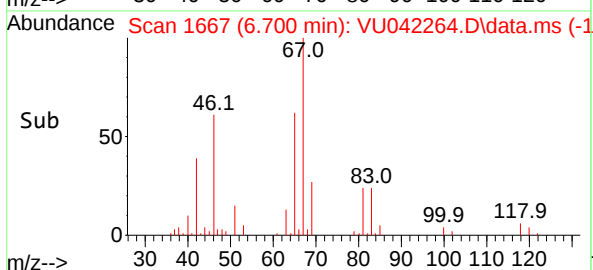
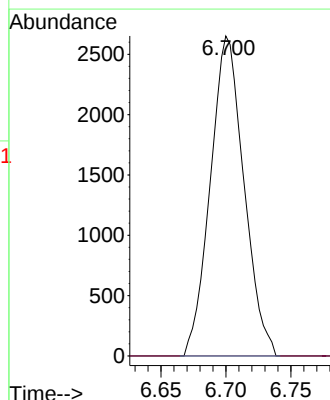
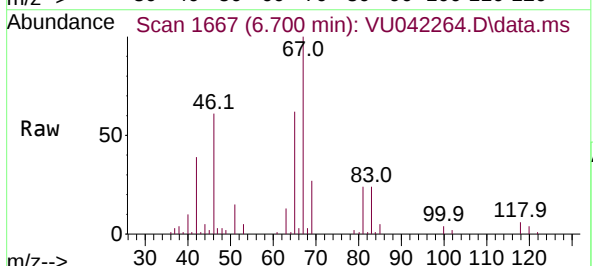
RT: 6.700 min Scan# 1667

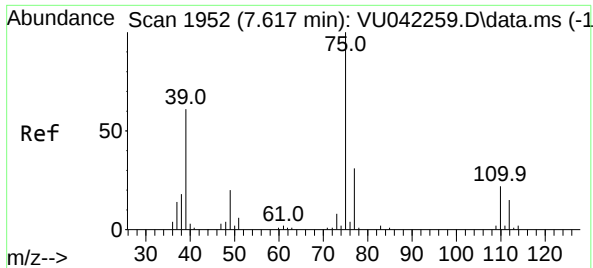
Delta R.T. -0.100 min

Lab File: VU042264.D

Acq: 04 Feb 2021 14:16

Tgt Ion:	63	Resp:	4760
Ion Ratio	Lower	Upper	
63	100		
112	0.0	3.4	5.0#



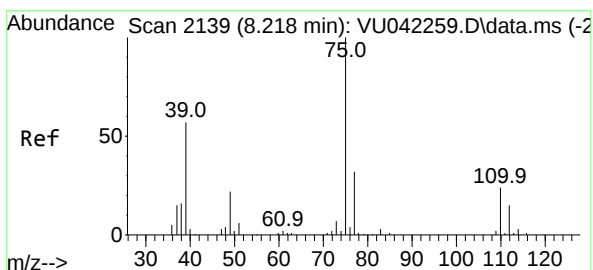
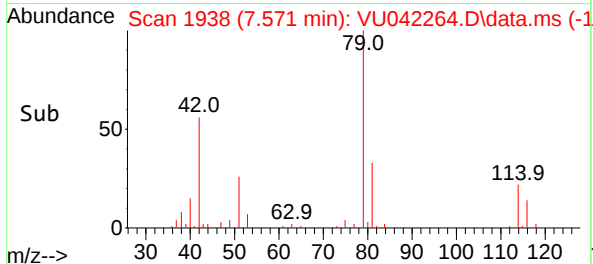
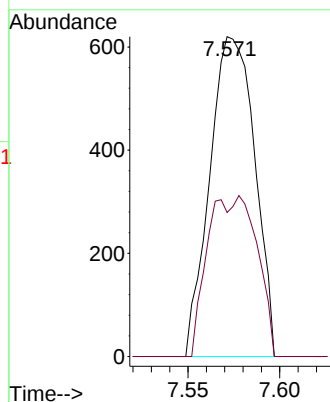
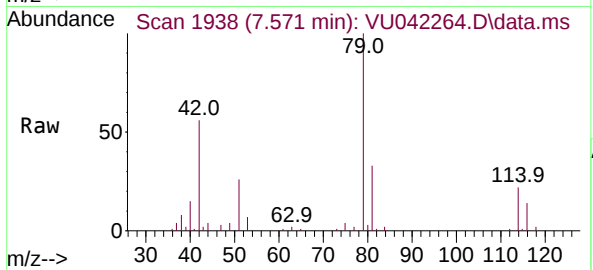


#39

cis-1,3-Dichloropropene
 Concen: 0.09 ug/L
 RT: 7.571 min Scan# 1938
 Delta R.T. -0.045 min
 Lab File: VU042264.D
 Acq: 04 Feb 2021 14:16

Instrument :
 MSVOA_U
 ClientSampleId :

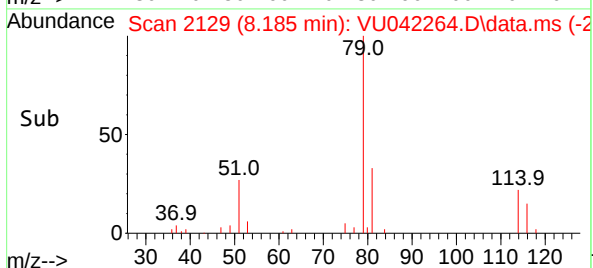
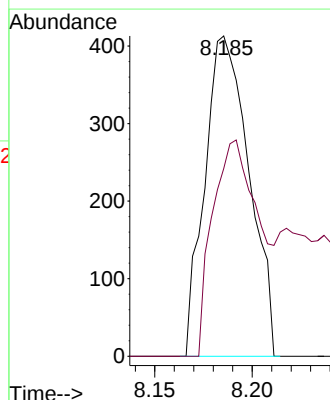
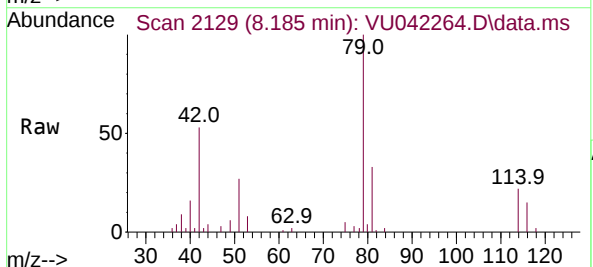
Tgt Ion: 75 Resp: 1056
 Ion Ratio Lower Upper
 75 100
 77 45.0 22.0 40.8#

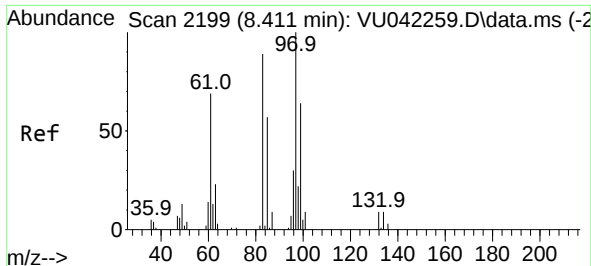


#44

trans-1,3-Dichloropropene
 Concen: 0.06 ug/L
 RT: 8.185 min Scan# 2129
 Delta R.T. -0.032 min
 Lab File: VU042264.D
 Acq: 04 Feb 2021 14:16

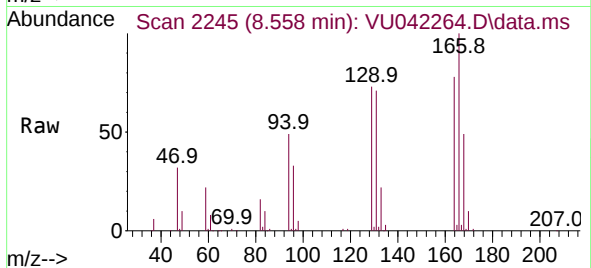
Tgt Ion: 75 Resp: 653
 Ion Ratio Lower Upper
 75 100
 77 58.6 21.8 40.4#



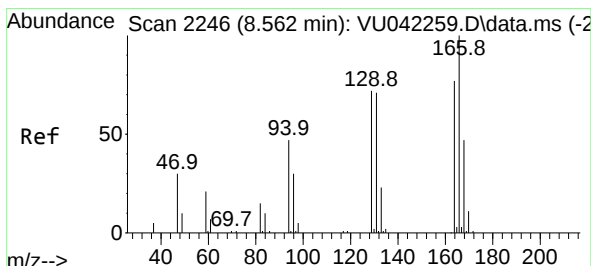
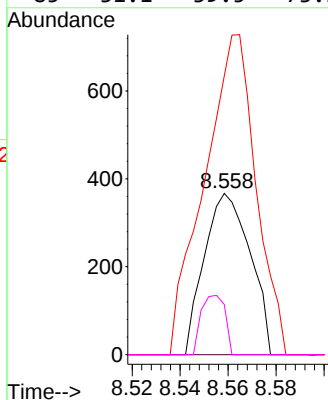
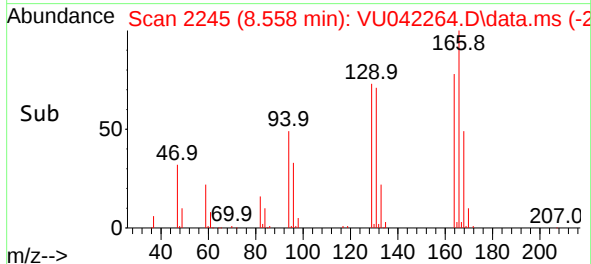


#45
1,1,2-Trichloroethane
Concen: 0.09 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.148 min
Lab File: VU042264.D
Acq: 04 Feb 2021 14:16

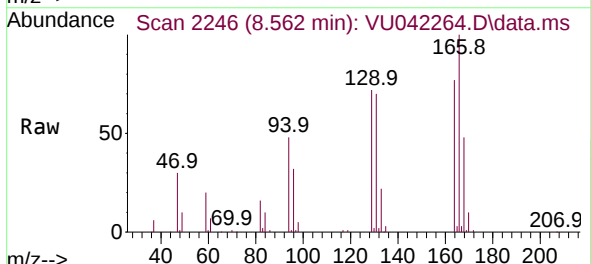
Instrument :
MSVOA_U
ClientSampled :



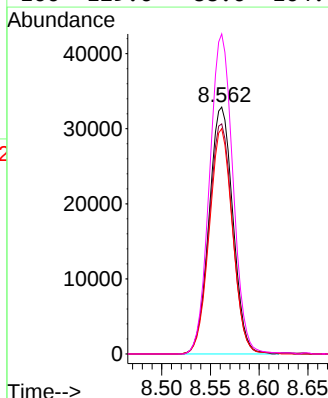
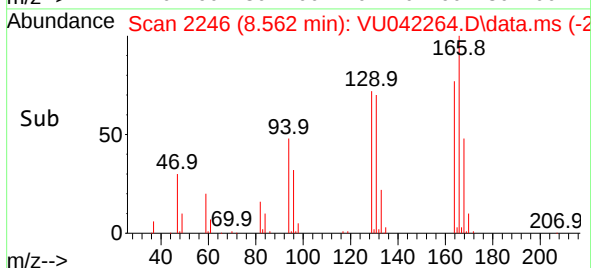
Tgt Ion:	97	Resp:	486
Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.0	81.8#
83	172.8	57.6	107.0#
85	31.1	39.5	73.3#

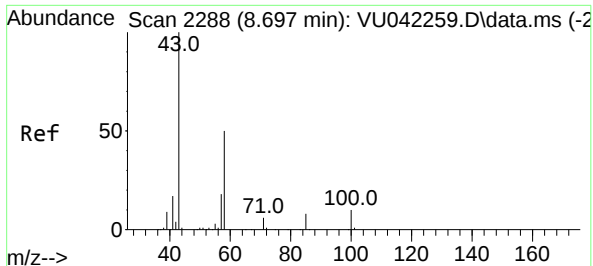


#47
Tetrachloroethene
Concen: 9.11 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.000 min
Lab File: VU042264.D
Acq: 04 Feb 2021 14:16



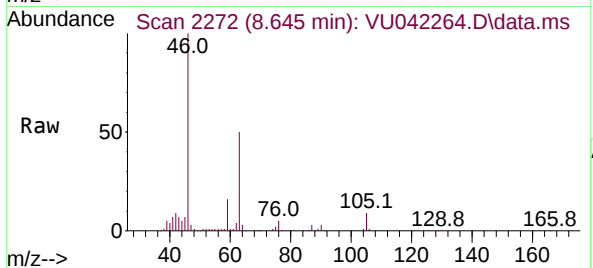
Tgt Ion:	164	Resp:	56041
Ion	Ratio	Lower	Upper
164	100		
129	93.2	64.3	119.5
131	91.2	62.2	115.6
166	129.6	88.6	164.6



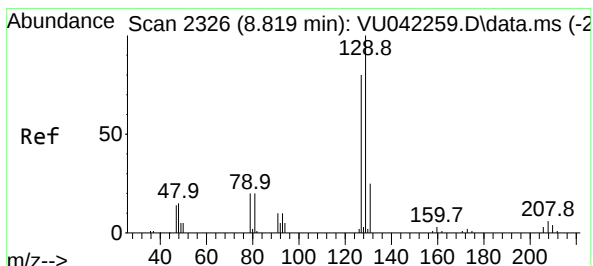
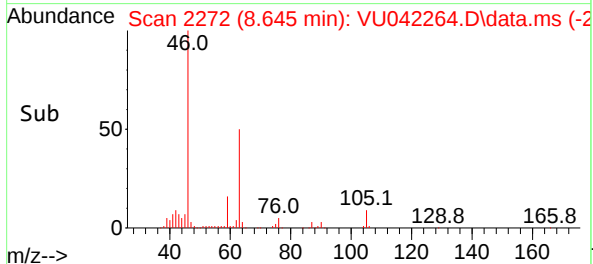
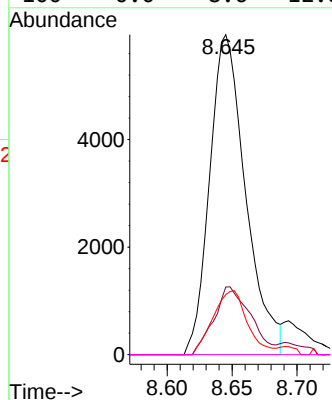


#48
2-Hexanone
Concen: 2.67 ug/L
RT: 8.645 min Scan# 2272
Delta R.T. -0.052 min
Lab File: VU042264.D
Acq: 04 Feb 2021 14:16

Instrument :
MSVOA_U
ClientSampleId :

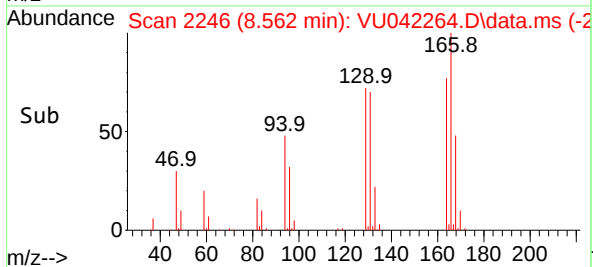
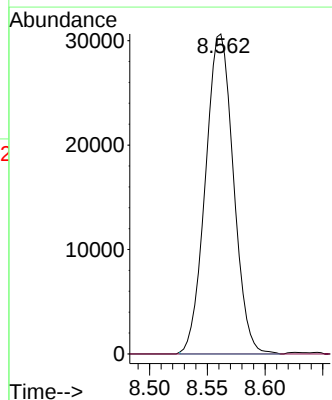
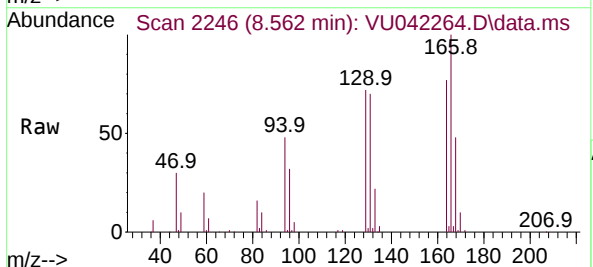


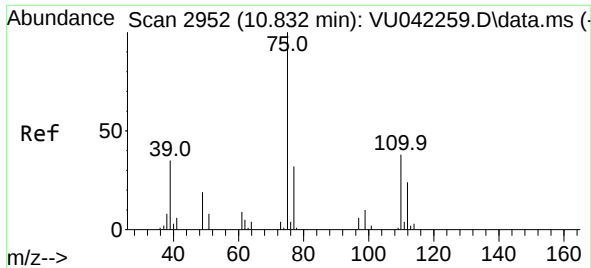
Tgt Ion: 43	Resp: 11455
Ion Ratio	Lower Upper
43	100
58	21.7 40.6 61.0#
57	19.3 14.9 22.3
100	0.0 8.6 12.8#



#49
Dibromochloromethane
Concen: 7.27 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. -0.258 min
Lab File: VU042264.D
Acq: 04 Feb 2021 14:16

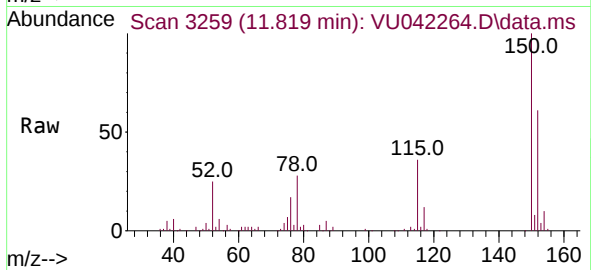
Tgt Ion: 129	Resp: 51697
Ion Ratio	Lower Upper
129	100
127	0.0 52.3 97.1#





#59
 1,2,3-Trichloropropane
 Concen: 1.07 ug/L
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.987 min
 Lab File: VU042264.D
 Acq: 04 Feb 2021 14:16

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 5433
 Ion Ratio Lower Upper
 75 100
 77 39.3 26.0 39.0#

