

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
 Data File : VU044281.D
 Acq On : 01 Jul 2021 13:08
 Operator : SY/MD
 Sample : M2905-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 02 01:51:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 02 01:46:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	146742	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	135344	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	73479	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	33468	4.212	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.200%
7) Chloroethane-d5	1.919	69	36171	4.624	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.572	65	17665	4.332	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.600%
20) 2-Butanone-d5	4.642	46	135656	46.367	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.740%
24) Chloroform-d	5.073	84	85876	4.801	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
26) 1,2-Dichloroethane-d4	5.710	65	50537	4.727	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
32) Benzene-d6	5.735	84	169019	5.028	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
36) 1,2-Dichloropropane-d6	6.700	67	55472	5.092	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.800%
41) Toluene-d8	7.906	98	154322	4.948	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
43) trans-1,3-Dichloroprop...	8.185	79	22703	4.493	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.800%
46) 2-Hexanone-d5	8.639	63	126298	52.478	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.960%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	47644	4.920	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.400%
66) 1,2-Dichlorobenzene-d4	12.198	152	63438	5.240	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	7605	0.733	ug/L #	1
8) Chloroethane	1.935	64	4735	0.671	ug/L #	56
13) Acetone	2.649	43	2299	1.757	ug/L #	48
14) Carbon disulfide	2.806	76	2024	0.078	ug/L #	74
15) Methyl Acetate	2.967	43	410	0.112	ug/L #	53
18) trans-1,2-Dichloroethene	3.359	96	3105	0.344	ug/L	96
19) 1,1-Dichloroethane	3.880	63	14271	0.830	ug/L	98
21) 2-Butanone	4.456	43	93989	31.626	ug/L #	1
22) cis-1,2-Dichloroethene	4.674	96	3699	0.375	ug/L	95
30) Cyclohexane	5.395	56	1682	0.107	ug/L	89
37) 1,2-Dichloropropane	6.800	63	2187	0.233	ug/L #	87
39) cis-1,3-Dichloropropene	7.571	75	1629	0.106	ug/L #	66
42) Toluene	7.976	91	4350	0.111	ug/L	88
48) 2-Hexanone	8.642	43	16584	3.123	ug/L #	63
51) Chlorobenzene	9.452	112	19585	0.782	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.806	83	2816	0.301	ug/L #	36
60) Isopropylbenzene	10.491	105	14841	0.332	ug/L	100
61) 1,2,3-Trichloropropane	11.748	75	1217	0.183	ug/L #	1
64) 1,3-Dichlorobenzene	11.751	146	2478	0.123	ug/L #	92

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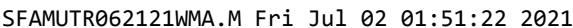
Instrument :
 MSVOA_U
 ClientSampleId :

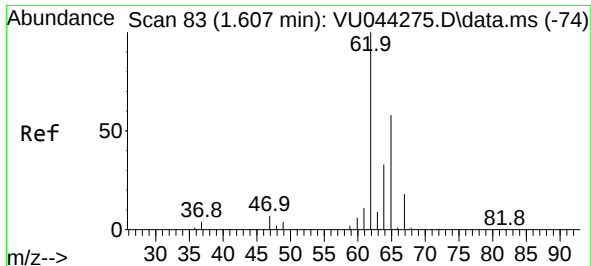
Quant Time: Jul 02 01:51:13 2021
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 02 01:46:49 2021
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.844	146	3185	0.157	ug/L #	86
67) 1,2-Dichlorobenzene	12.217	146	1800	0.095	ug/L #	75
68) 1,2-Dibromo-3-chloropr...	13.024	75	3405	1.965	ug/L #	1
70) 1,2,4-trichlorobenzene	13.844	180	855	0.066	ug/L #	1
71) Naphthalene	14.095	128	6438	0.273	ug/L #	69
72) 1,2,3-Trichlorobenzene	14.336	180	403	0.036	ug/L #	67

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

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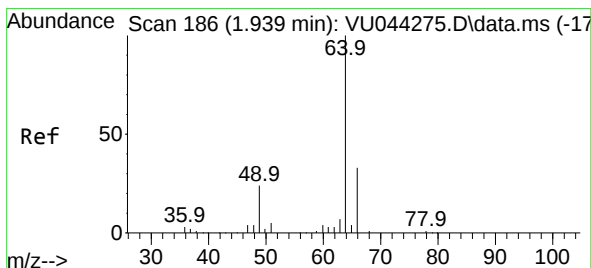
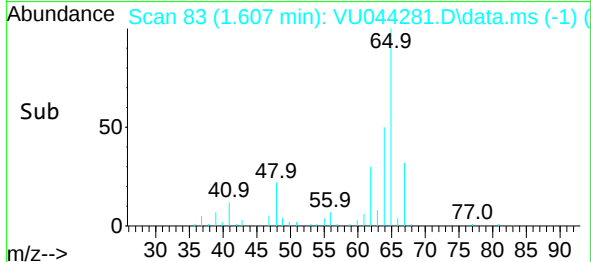
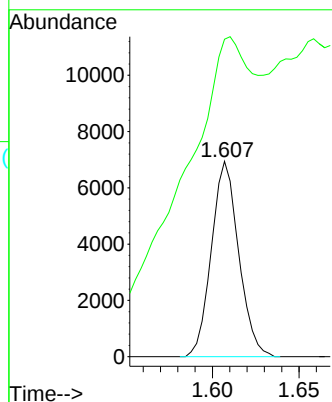
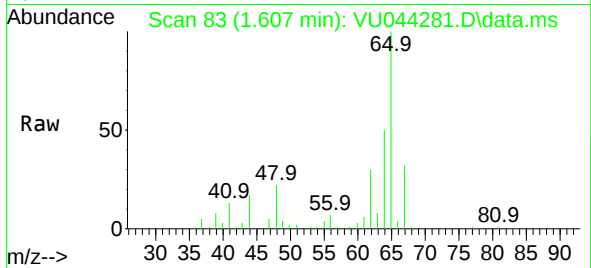




#5
 Vinyl chloride
 Concen: 0.733 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU044281.D
 Acq: 01 Jul 2021 13:08

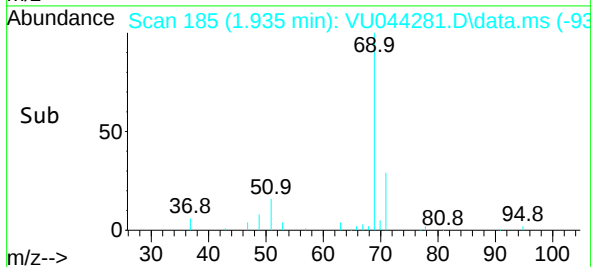
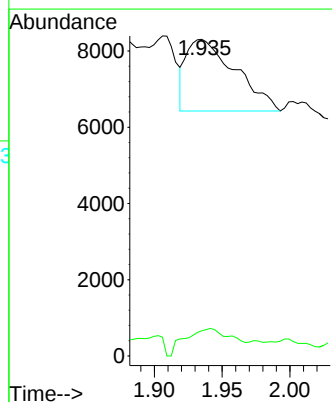
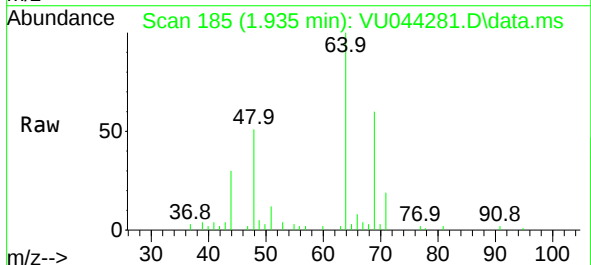
Instrument :
 MSVOA_U
 ClientSampled :

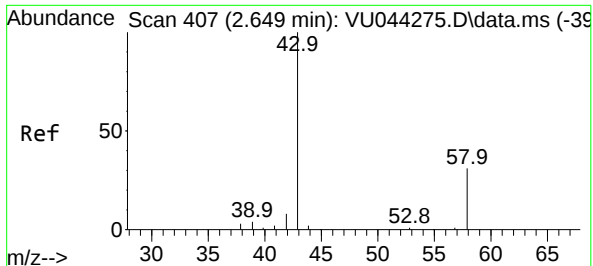
Tgt Ion: 62 Resp: 7605
 Ion Ratio Lower Upper
 62 100
 64 162.5 23.7 44.1#



#8
 Chloroethane
 Concen: 0.671 ug/L
 RT: 1.935 min Scan# 185
 Delta R.T. -0.004 min
 Lab File: VU044281.D
 Acq: 01 Jul 2021 13:08

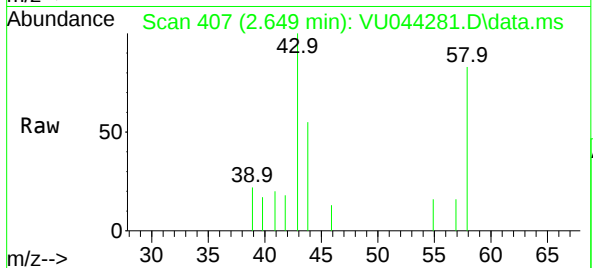
Tgt Ion: 64 Resp: 4735
 Ion Ratio Lower Upper
 64 100
 66 7.9 22.7 42.3#



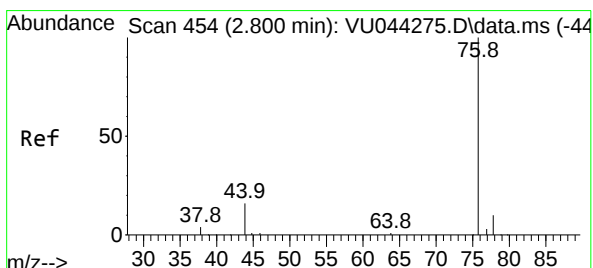
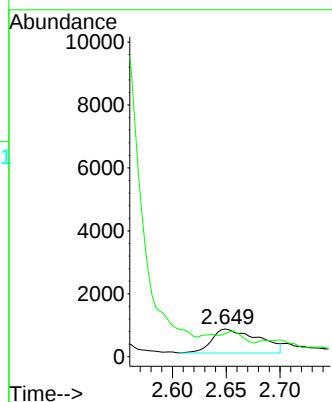
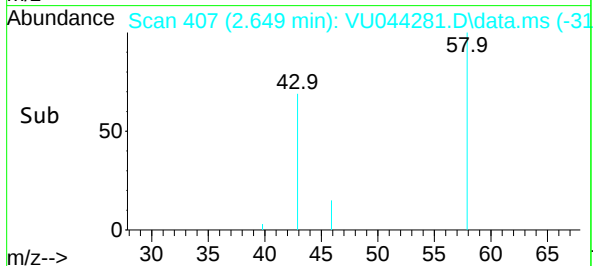


#13
Acetone
Concen: 1.757 ug/L
RT: 2.649 min Scan# 407
Delta R.T. -0.000 min
Lab File: VU044281.D
Acq: 01 Jul 2021 13:08

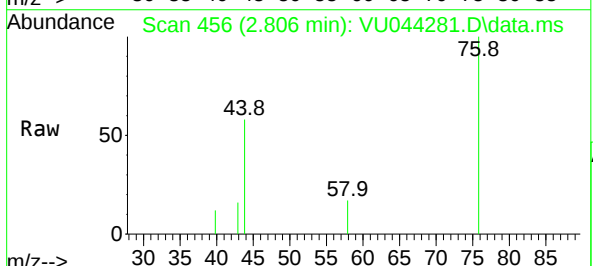
Instrument :
MSVOA_U
ClientSampled :



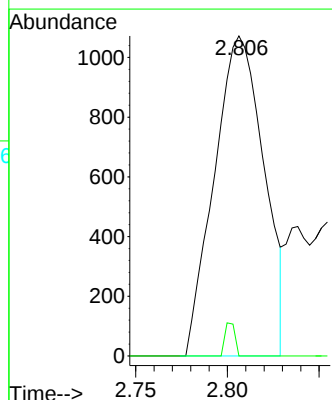
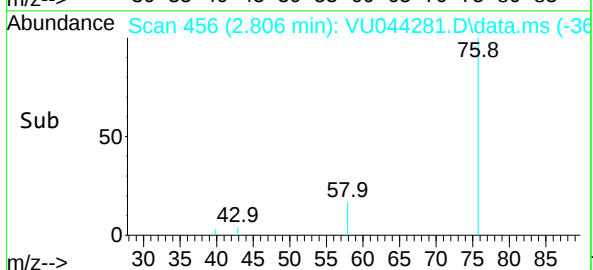
Tgt Ion: 43 Resp: 2299
Ion Ratio Lower Upper
43 100
58 0.0 0.0 53.8

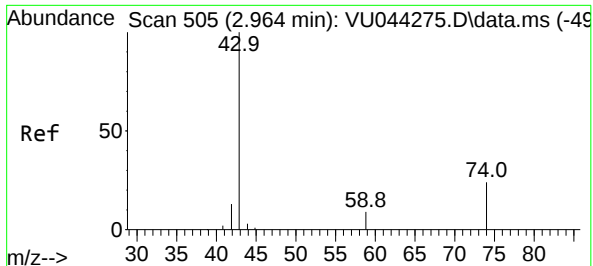


#14
Carbon disulfide
Concen: 0.078 ug/L
RT: 2.806 min Scan# 456
Delta R.T. 0.006 min
Lab File: VU044281.D
Acq: 01 Jul 2021 13:08



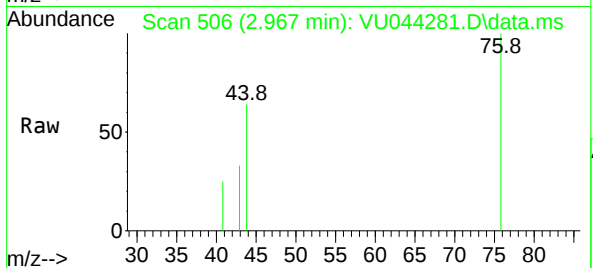
Tgt Ion: 76 Resp: 2024
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



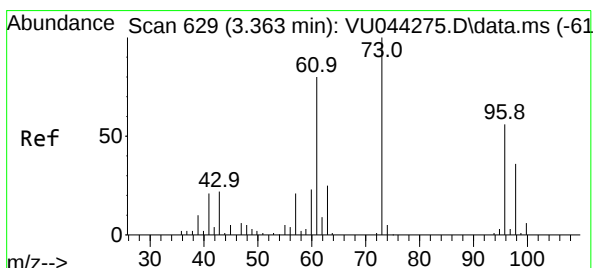
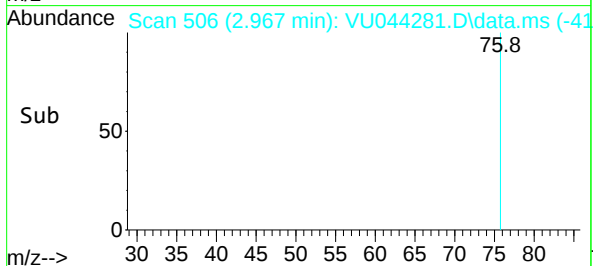
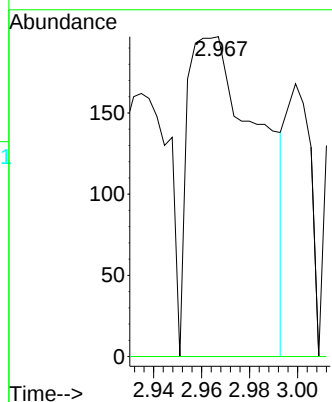


#15
Methyl Acetate
Concen: 0.112 ug/L
RT: 2.967 min Scan# 506
Delta R.T. 0.003 min
Lab File: VU044281.D
Acq: 01 Jul 2021 13:08

Instrument :
MSVOA_U
ClientSampled :

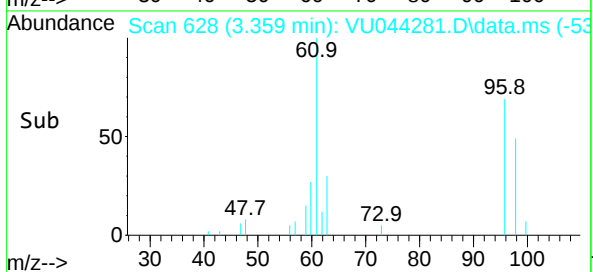
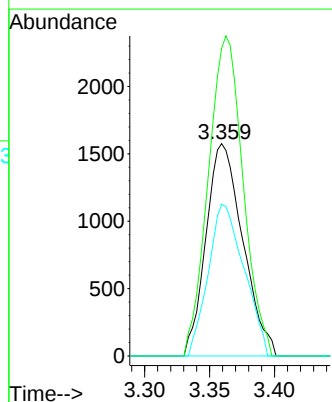
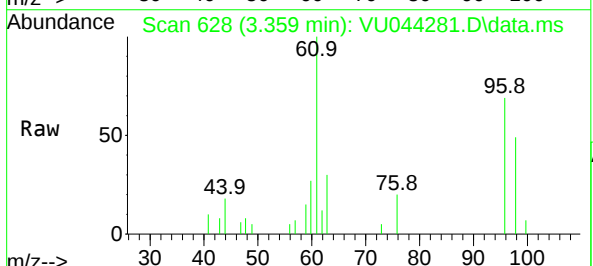


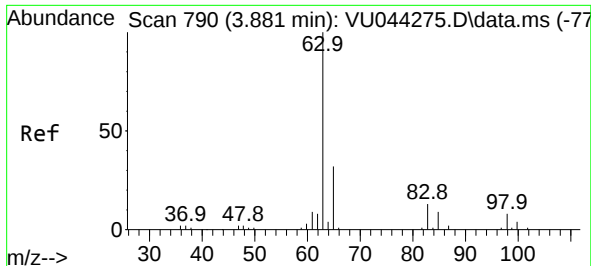
Tgt Ion: 43 Resp: 410
Ion Ratio Lower Upper
43 100
74 0.0 18.4 27.6#



#18
trans-1,2-Dichloroethene
Concen: 0.344 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.004 min
Lab File: VU044281.D
Acq: 01 Jul 2021 13:08

Tgt Ion: 96 Resp: 3105
Ion Ratio Lower Upper
96 100
61 145.0 100.2 186.2
98 71.4 44.9 83.5





#19

1,1-Dichloroethane

Concen: 0.830 ug/L

RT: 3.880 min Scan# 790

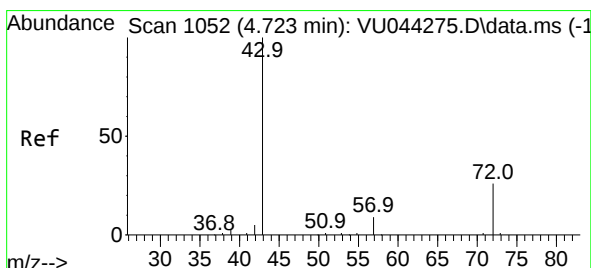
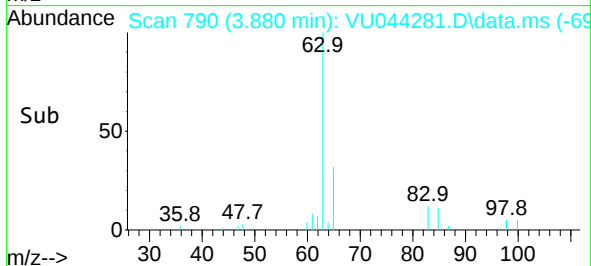
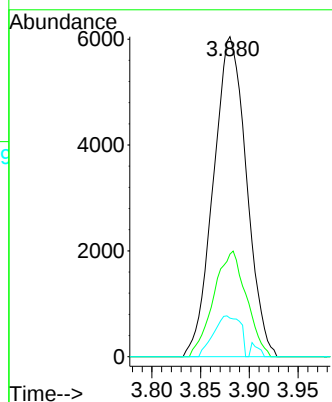
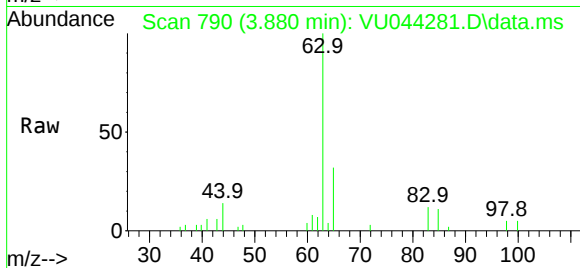
Delta R.T. -0.000 min

Lab File: VU044281.D

Acq: 01 Jul 2021 13:08

Tgt Ion:	63	Resp:	14271
Ion	Ratio	Lower	Upper
63	100		
65	32.0	22.3	41.3
83	12.0	9.9	18.5

Instrument :
MSVOA_U
ClientSampled :



#21

2-Butanone

Concen: 31.626 ug/L

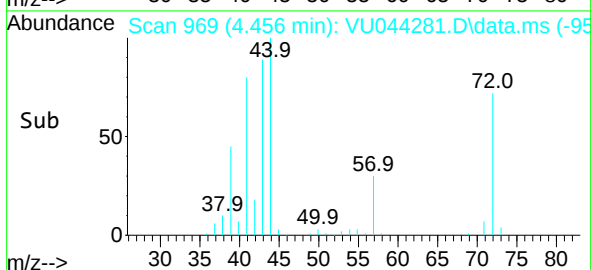
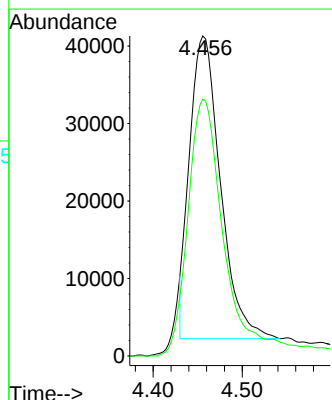
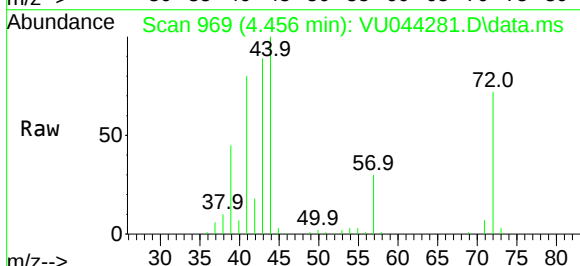
RT: 4.456 min Scan# 969

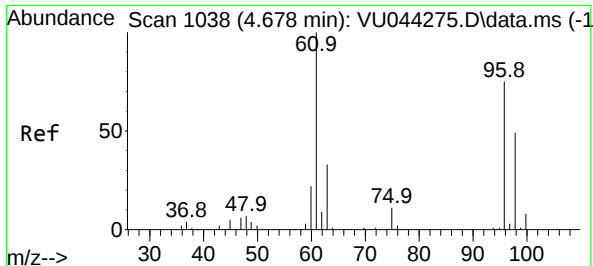
Delta R.T. -0.267 min

Lab File: VU044281.D

Acq: 01 Jul 2021 13:08

Tgt Ion:	43	Resp:	93989
Ion	Ratio	Lower	Upper
43	100		
72	85.0	13.4	40.1#





#22

cis-1,2-Dichloroethene

Concen: 0.375 ug/L

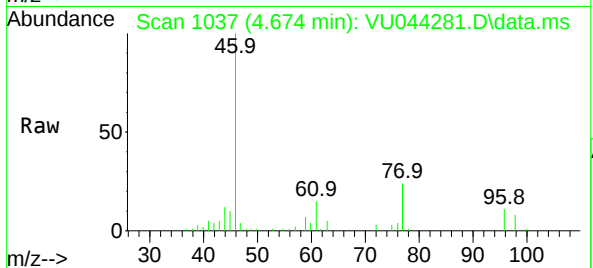
RT: 4.674 min Scan# 1037

Delta R.T. -0.004 min

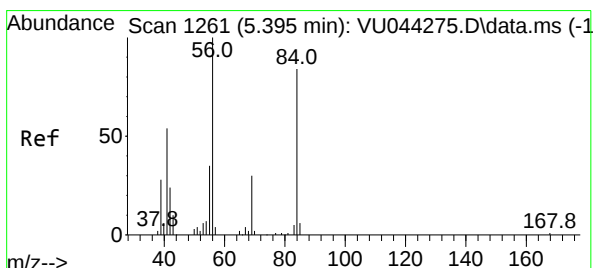
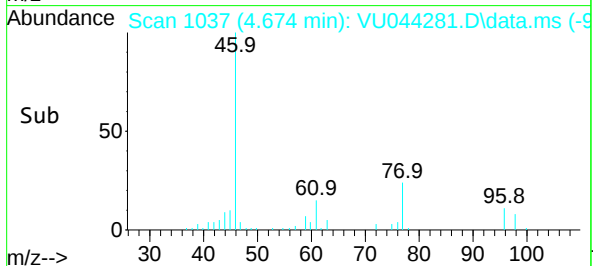
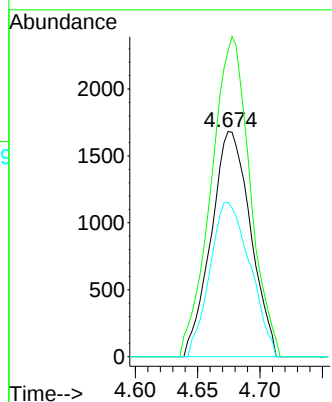
Lab File: VU044281.D

Acq: 01 Jul 2021 13:08

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MSVOA_U
ClientSampled :



Tgt Ion:	96	Resp:	3699
Ion	Ratio	Lower	Upper
96	100		
61	135.9	98.8	183.6
98	68.7	44.8	83.2



#30

Cyclohexane

Concen: 0.107 ug/L

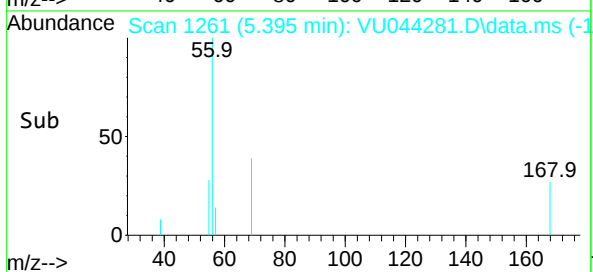
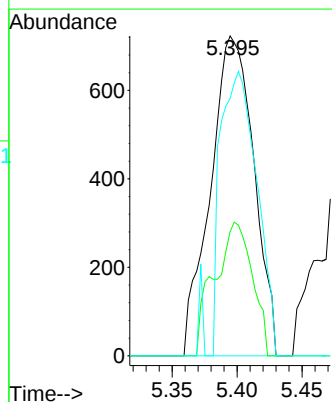
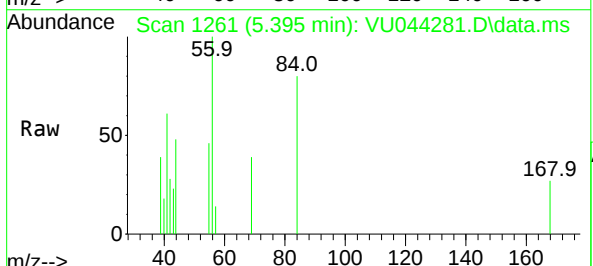
RT: 5.395 min Scan# 1261

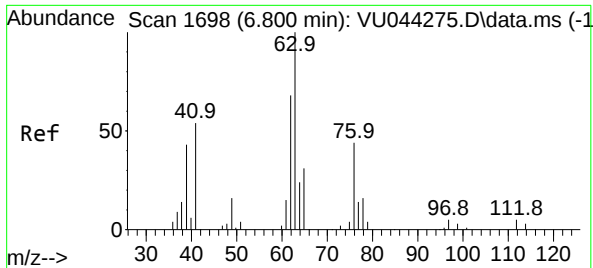
Delta R.T. -0.000 min

Lab File: VU044281.D

Acq: 01 Jul 2021 13:08

Tgt Ion:	56	Resp:	1682
Ion	Ratio	Lower	Upper
56	100		
69	36.5	24.8	37.2
84	74.2	67.8	101.8

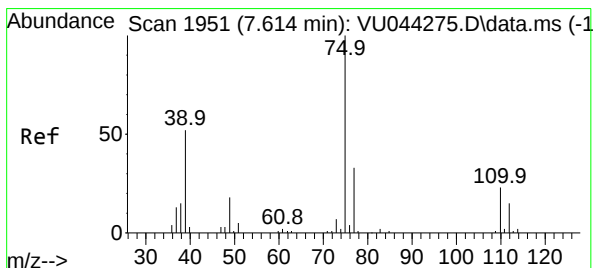
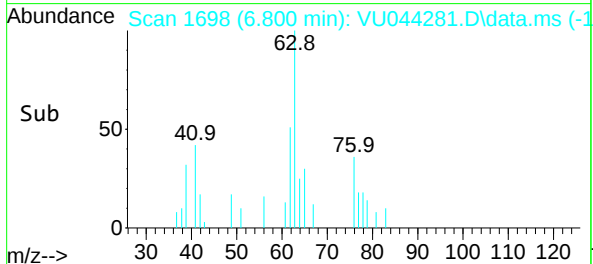
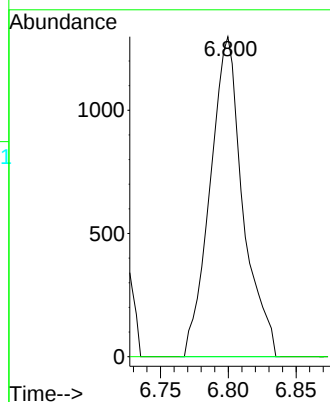
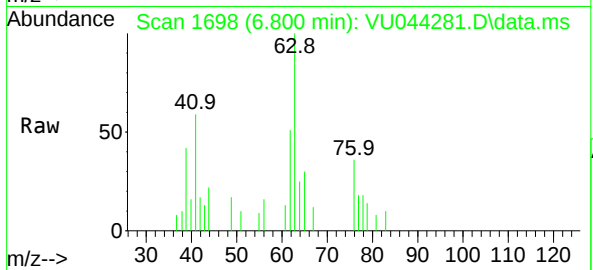




#37
1,2-Dichloropropane
Concen: 0.233 ug/L
RT: 6.800 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VU044281.D
Acq: 01 Jul 2021 13:08

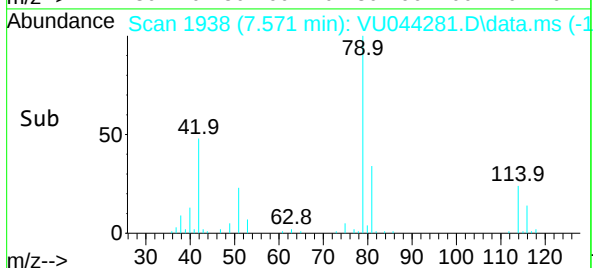
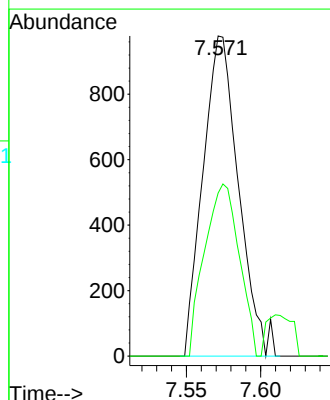
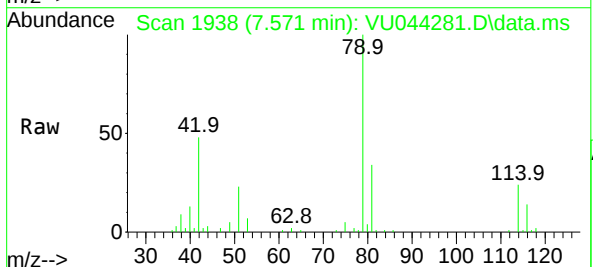
Instrument :
MSVOA_U
ClientSampled :

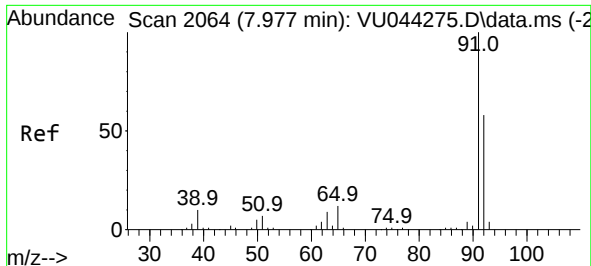
Tgt Ion: 63 Resp: 2187
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



#39
cis-1,3-Dichloropropene
Concen: 0.106 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU044281.D
Acq: 01 Jul 2021 13:08

Tgt Ion: 75 Resp: 1629
Ion Ratio Lower Upper
75 100
77 50.9 22.5 41.7#

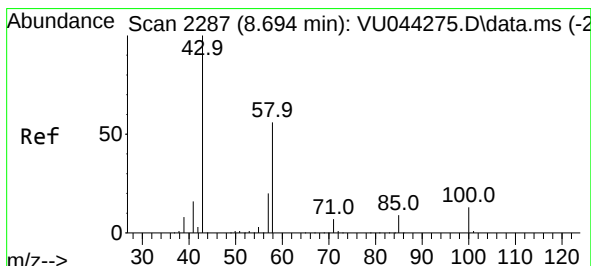
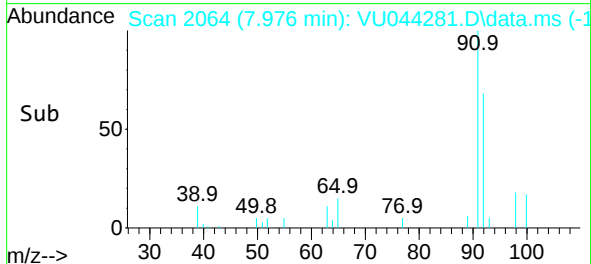
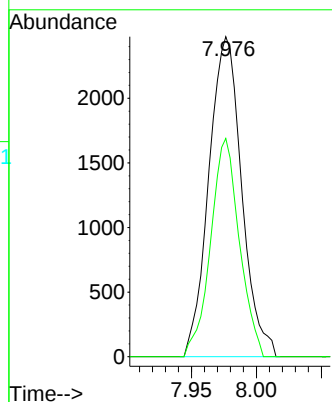
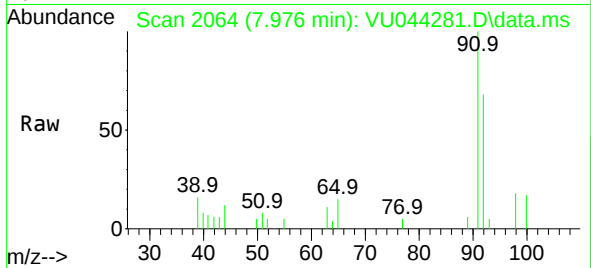




#42
Toluene
Concen: 0.111 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU044281.D
Acq: 01 Jul 2021 13:08

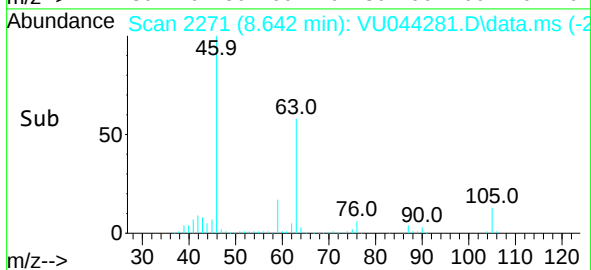
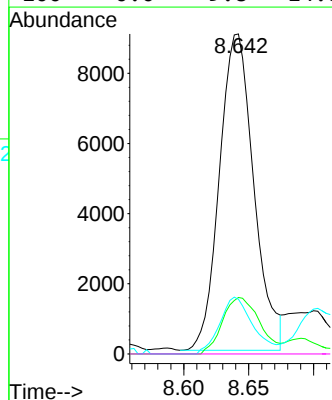
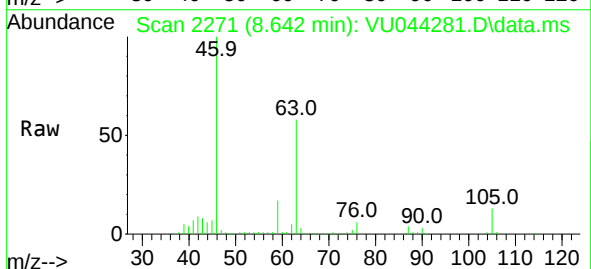
Instrument :
MSVOA_U
ClientSampled :

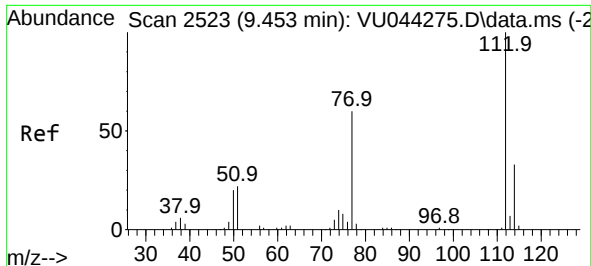
Tgt Ion: 91 Resp: 4350
Ion Ratio Lower Upper
91 100
92 68.2 41.2 76.6



#48
2-Hexanone
Concen: 3.123 ug/L
RT: 8.642 min Scan# 2271
Delta R.T. -0.052 min
Lab File: VU044281.D
Acq: 01 Jul 2021 13:08

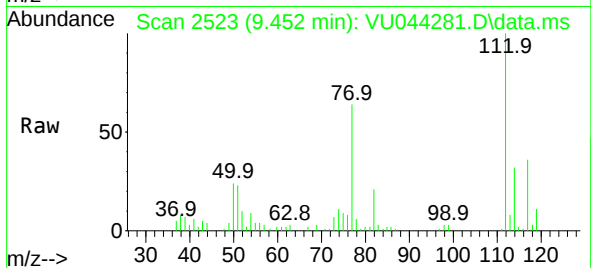
Tgt Ion: 43 Resp: 16584
Ion Ratio Lower Upper
43 100
58 19.3 44.7 67.1#
57 17.3 15.7 23.5
100 0.0 9.8 14.8#



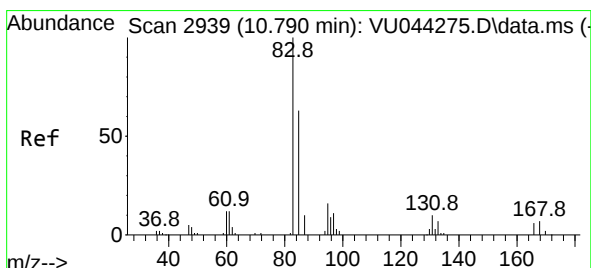
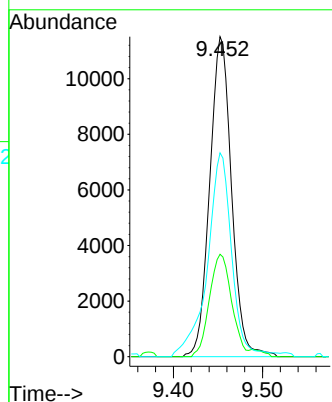
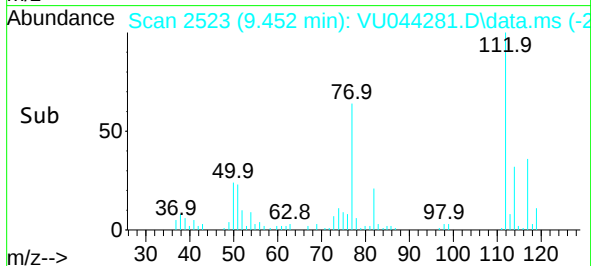


#51
Chlorobenzene
Concen: 0.782 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. -0.000 min
Lab File: VU044281.D
Acq: 01 Jul 2021 13:08

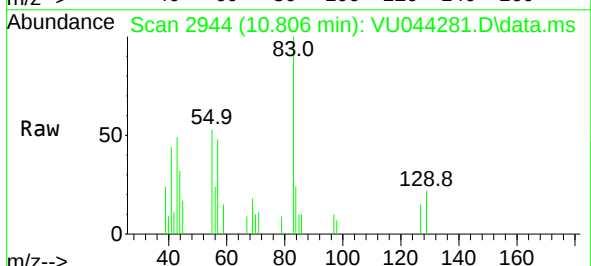
Instrument :
MSVOA_U
ClientSampled :



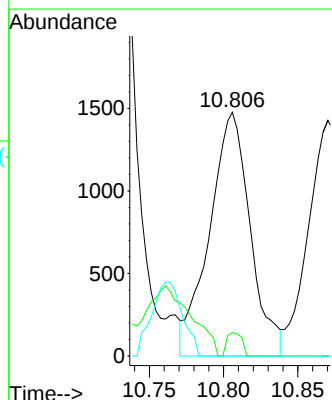
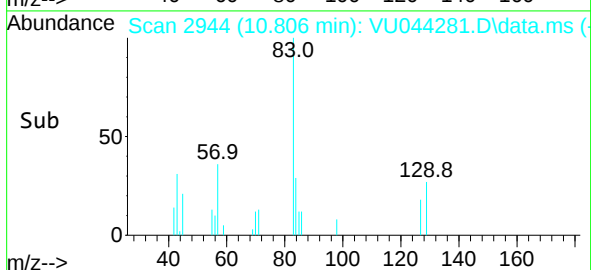
Tgt Ion:112 Resp: 19585
Ion Ratio Lower Upper
112 100
114 32.0 22.0 41.0
77 63.7 48.9 73.3

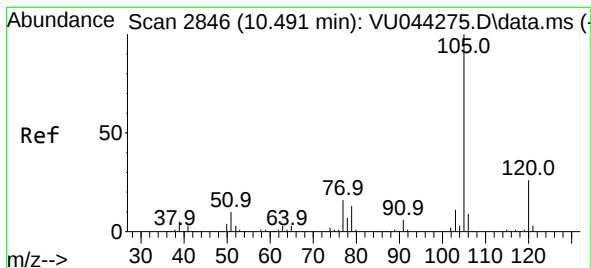


#57
1,1,2,2-Tetrachloroethane
Concen: 0.301 ug/L
RT: 10.806 min Scan# 2944
Delta R.T. 0.016 min
Lab File: VU044281.D
Acq: 01 Jul 2021 13:08



Tgt Ion: 83 Resp: 2816
Ion Ratio Lower Upper
83 100
85 9.6 45.5 84.5#
131 0.0 7.9 11.9#

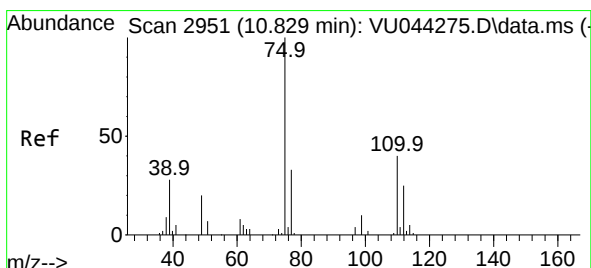
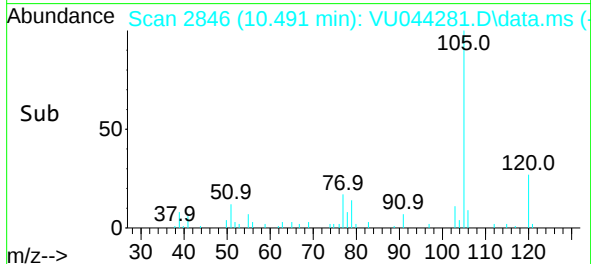
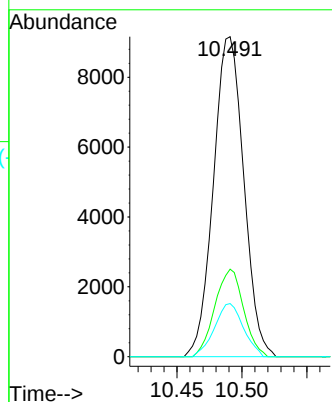
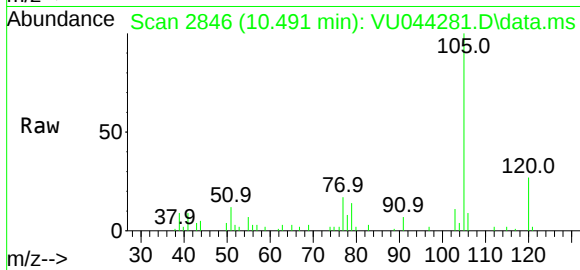




#60
Isopropylbenzene
Concen: 0.332 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. -0.000 min
Lab File: VU044281.D
Acq: 01 Jul 2021 13:08

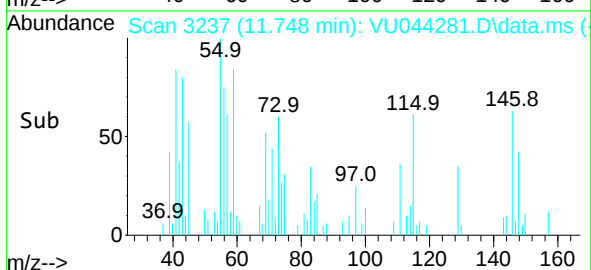
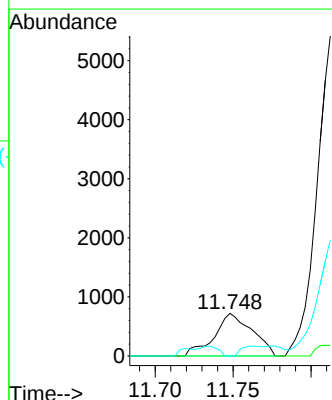
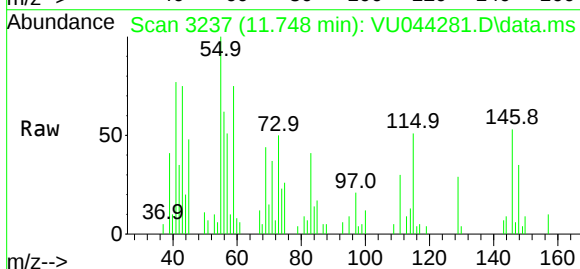
Instrument :
MSVOA_U
ClientSampled :

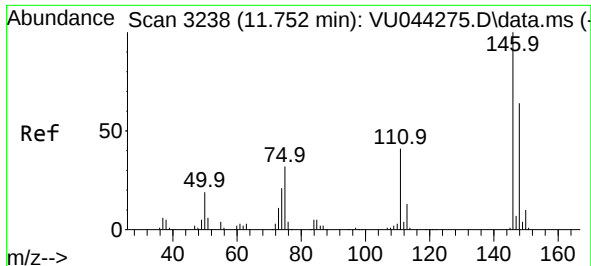
Tgt Ion:105 Resp: 14841
Ion Ratio Lower Upper
105 100
120 25.9 20.7 31.1
77 15.8 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 0.183 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.919 min
Lab File: VU044281.D
Acq: 01 Jul 2021 13:08

Tgt Ion: 75 Resp: 1217
Ion Ratio Lower Upper
75 100
110 0.0 30.5 45.7#
77 157.2 26.1 39.1#

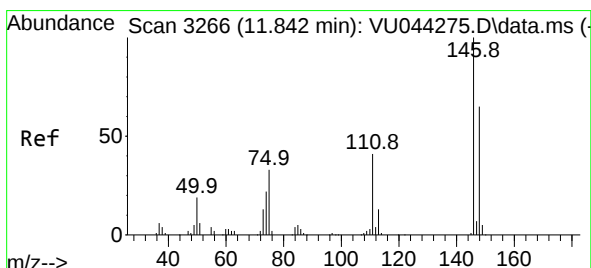
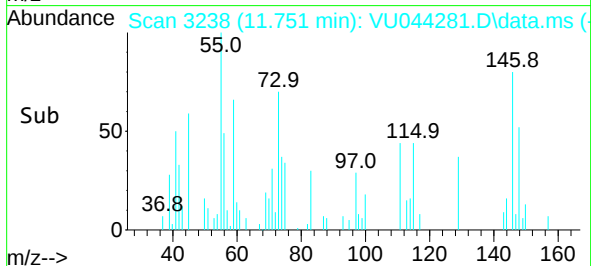
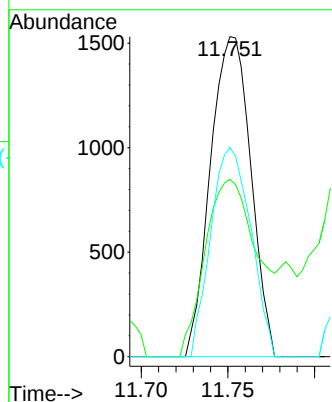
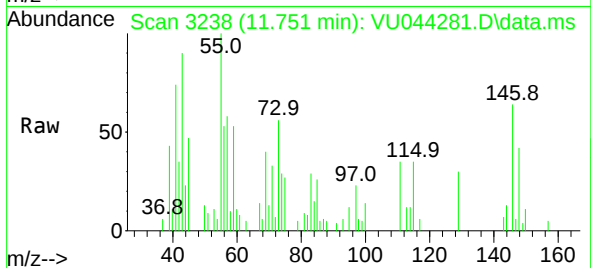




#64
1,3-Dichlorobenzene
Concen: 0.123 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. -0.000 min
Lab File: VU044281.D
Acq: 01 Jul 2021 13:08

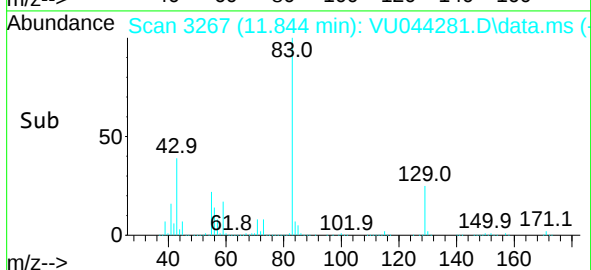
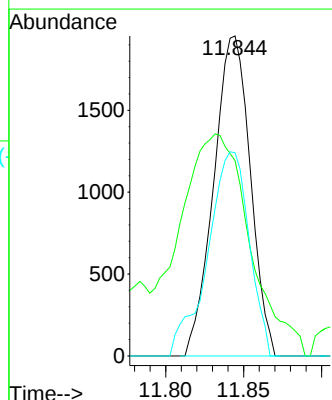
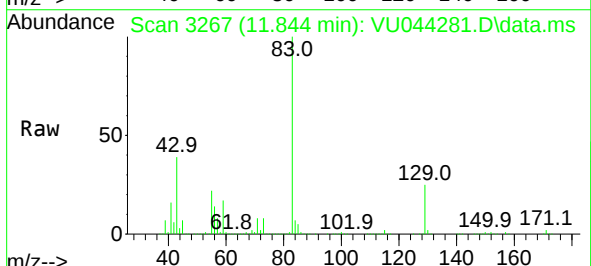
Instrument :
MSVOA_U
ClientSampled :

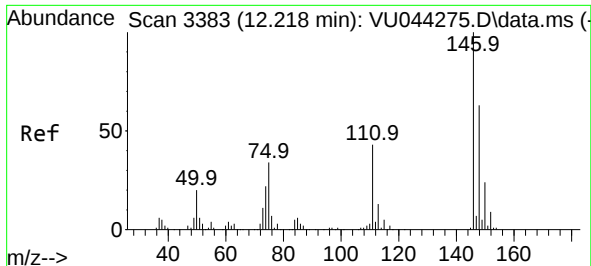
Tgt Ion:146 Resp: 2478
Ion Ratio Lower Upper
146 100
111 55.4 29.8 55.3#
148 65.4 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 0.157 ug/L
RT: 11.844 min Scan# 3267
Delta R.T. 0.003 min
Lab File: VU044281.D
Acq: 01 Jul 2021 13:08

Tgt Ion:146 Resp: 3185
Ion Ratio Lower Upper
146 100
111 61.0 28.2 52.4#
148 63.5 45.1 83.9

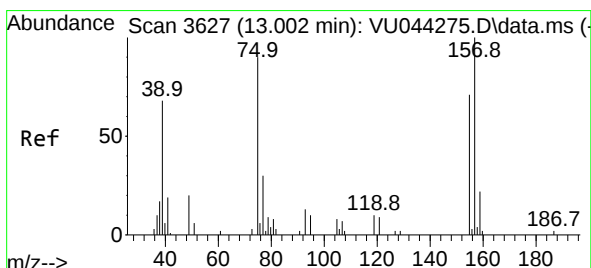
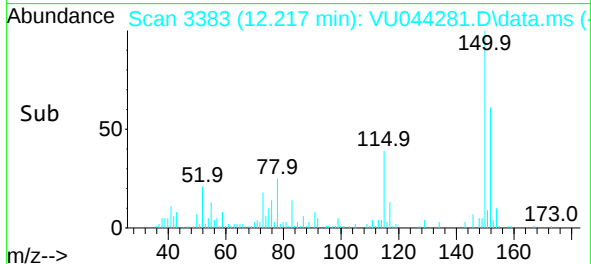
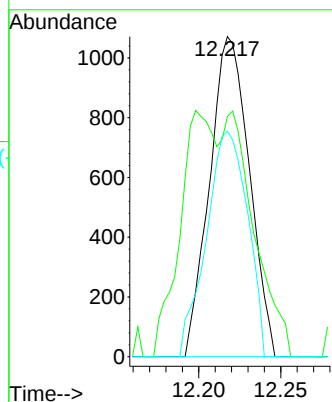
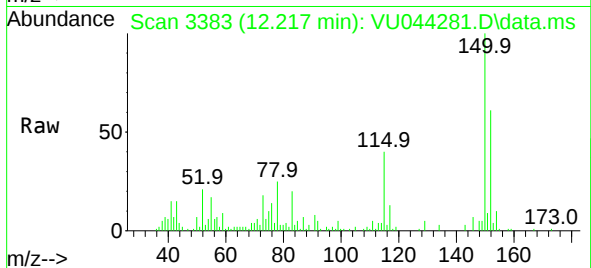




#67
1,2-Dichlorobenzene
Concen: 0.095 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. -0.000 min
Lab File: VU044281.D
Acq: 01 Jul 2021 13:08

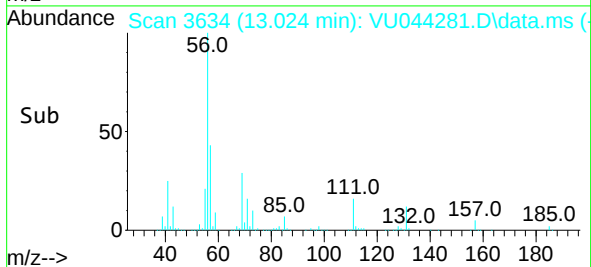
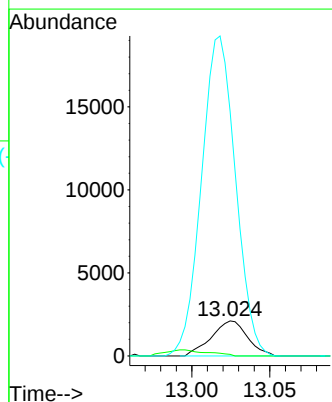
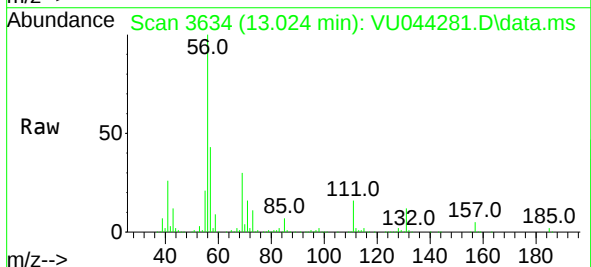
Instrument :
MSVOA_U
ClientSampled :

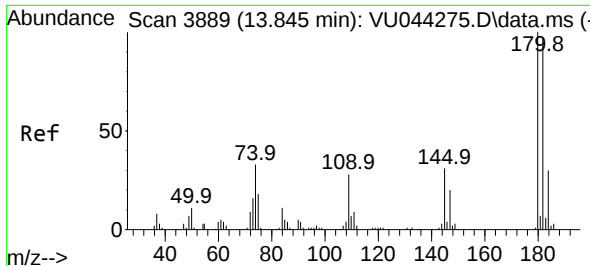
Tgt Ion:146 Resp: 1800
Ion Ratio Lower Upper
146 100
111 75.1 35.0 52.6#
148 70.5 51.2 76.8



#68
1,2-Dibromo-3-chloropropane
Concen: 1.965 ug/L
RT: 13.024 min Scan# 3634
Delta R.T. 0.022 min
Lab File: VU044281.D
Acq: 01 Jul 2021 13:08

Tgt Ion: 75 Resp: 3405
Ion Ratio Lower Upper
75 100
155 4.7 59.9 89.9#
157 699.3 79.3 118.9#

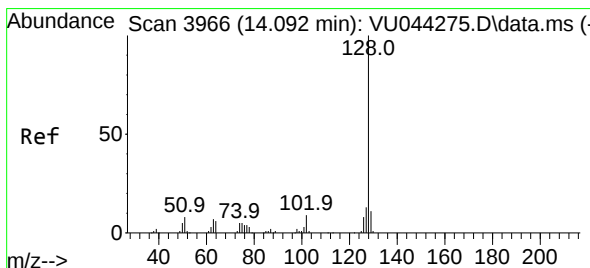
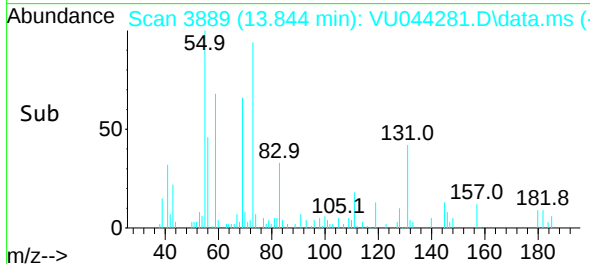
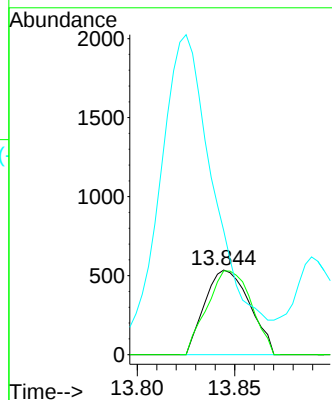
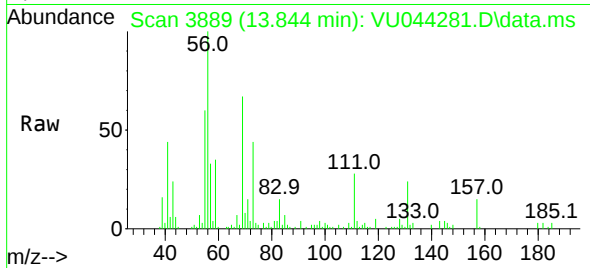




#70
1,2,4-trichlorobenzene
Concen: 0.066 ug/L
RT: 13.844 min Scan# 3889
Delta R.T. -0.000 min
Lab File: VU044281.D
Acq: 01 Jul 2021 13:08

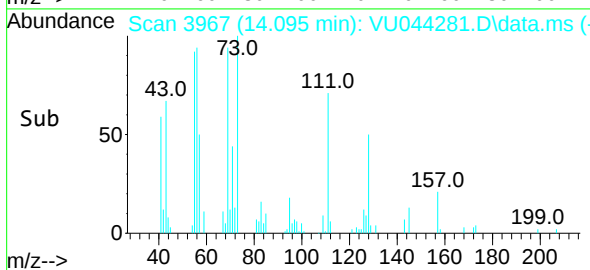
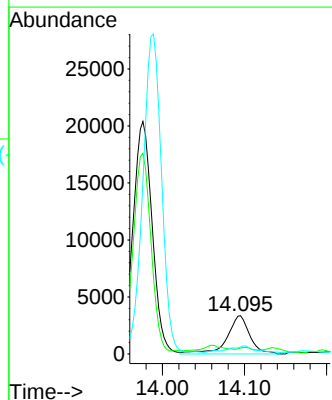
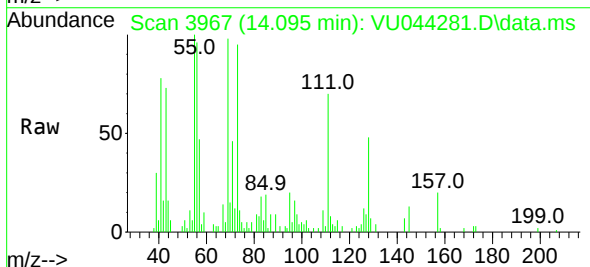
Instrument :
MSVOA_U
ClientSampled :

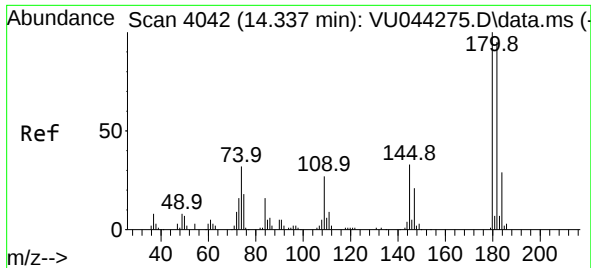
Tgt Ion:180 Resp: 855
Ion Ratio Lower Upper
180 100
182 97.7 75.7 113.5
145 404.6 25.6 38.4#



#71
Naphthalene
Concen: 0.273 ug/L
RT: 14.095 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VU044281.D
Acq: 01 Jul 2021 13:08

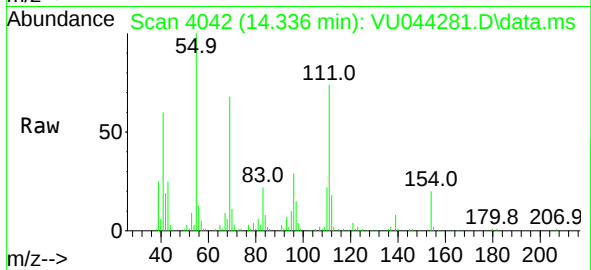
Tgt Ion:128 Resp: 6438
Ion Ratio Lower Upper
128 100
129 0.0 8.9 13.3#
127 0.0 10.3 15.5#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.036 ug/L
 RT: 14.336 min Scan# 4042
 Delta R.T. -0.000 min
 Lab File: VU044281.D
 Acq: 01 Jul 2021 13:08

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 403
 Ion Ratio Lower Upper
 180 100
 182 72.5 76.4 114.6#
 145 0.0 26.5 39.7#

