

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
 Data File : VU044279.D
 Acq On : 01 Jul 2021 12:20
 Operator : SY/MD
 Sample : M2905-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 02 01:50:35 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	154980	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	147807	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	82650	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	31055	3.701	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.000%
7) Chloroethane-d5	1.919	69	34058	4.122	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.400%
11) 1,1-Dichloroethene-d2	2.575	65	16877	3.919	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.400%
20) 2-Butanone-d5	4.645	46	115355	37.332	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.660%
24) Chloroform-d	5.073	84	80959	4.286	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
26) 1,2-Dichloroethane-d4	5.710	65	46616	4.128	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.600%
32) Benzene-d6	5.735	84	161397	4.396	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
36) 1,2-Dichloropropane-d6	6.700	67	51979	4.369	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.400%
41) Toluene-d8	7.906	98	145486	4.271	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
43) trans-1,3-Dichloroprop...	8.185	79	20575	3.729	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.600%
46) 2-Hexanone-d5	8.639	63	109958	41.836	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.680%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	43515	4.114	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.200%
66) 1,2-Dichlorobenzene-d4	12.198	152	63558	4.667	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	26594	2.428	ug/L	98
6) Bromomethane	1.864	94	459	0.065	ug/L	82
8) Chloroethane	1.938	64	4025	0.540	ug/L #	70
13) Acetone	2.674	43	8978	6.498	ug/L #	48
14) Carbon disulfide	2.809	76	1713	0.062	ug/L #	74
15) Methyl Acetate	2.967	43	319	0.082	ug/L #	53
17) Methyl tert-butyl Ether	3.375	73	2151	0.081	ug/L #	68
18) trans-1,2-Dichloroethene	3.362	96	15614	1.639	ug/L	98
19) 1,1-Dichloroethane	3.880	63	22344	1.230	ug/L	98
21) 2-Butanone	4.456	43	365474	116.441	ug/L #	1
22) cis-1,2-Dichloroethene	4.677	96	1671	0.160	ug/L	86
27) 1,2-Dichloroethane	5.793	62	4011	0.310	ug/L #	76
30) Cyclohexane	5.391	56	3126	0.182	ug/L	94
33) Benzene	5.784	78	190677	4.918	ug/L	100
35) Methylcyclohexane	6.771	83	1744	0.101	ug/L #	41
37) 1,2-Dichloropropane	6.796	63	4822	0.471	ug/L #	92
40) 4-Methyl-2-pentanone	7.800	43	6992	0.850	ug/L #	83
42) Toluene	7.976	91	7434	0.174	ug/L	98
48) 2-Hexanone	8.639	43	338607	58.388	ug/L #	39

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

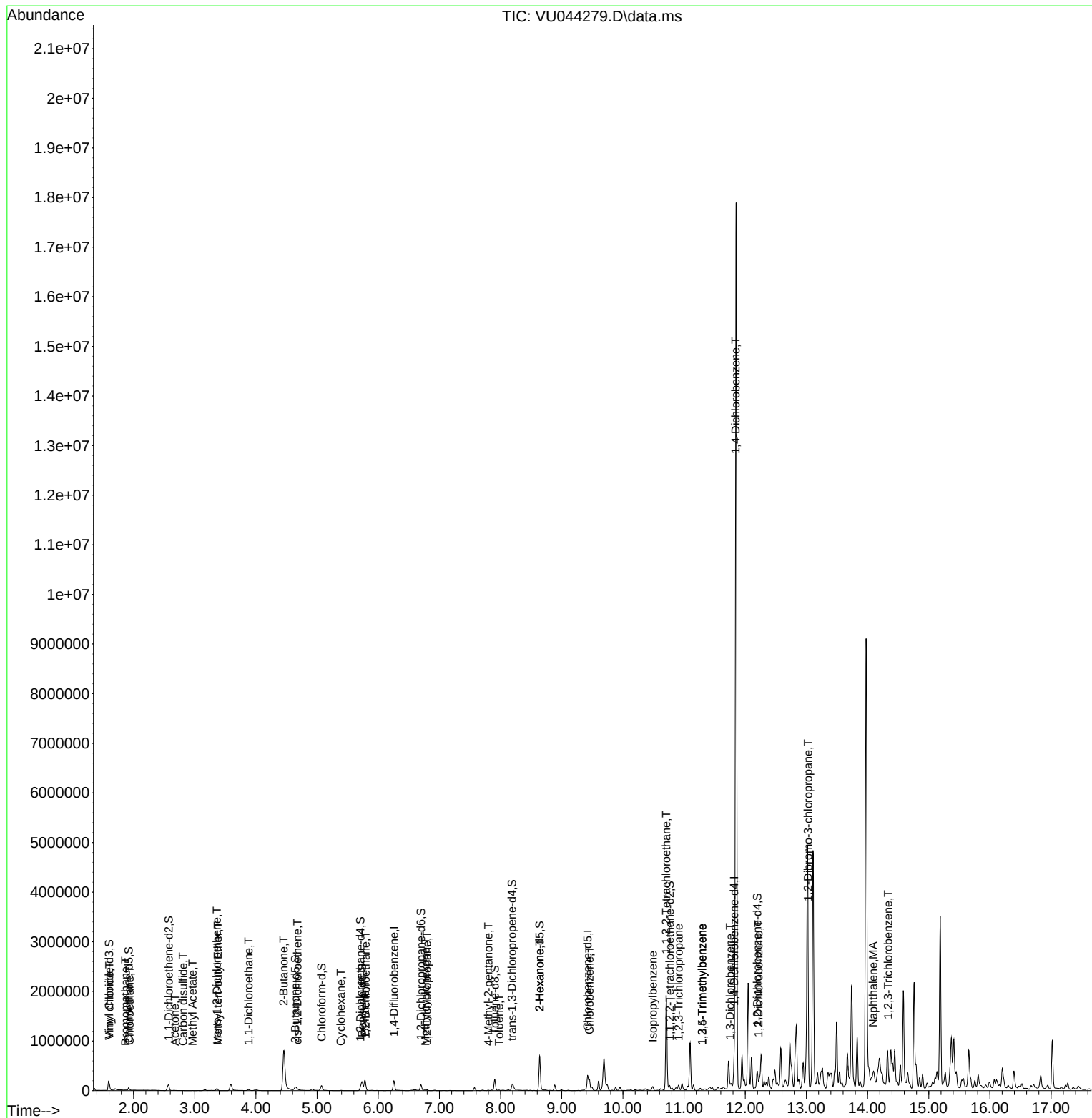
51) Chlorobenzene	9.452	112	107730	3.939	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.709	83	892710	87.294	ug/L #	31
60) Isopropylbenzene	10.491	105	43015	0.856	ug/L	99
61) 1,2,3-Trichloropropane	10.912	75	680	0.091	ug/L #	1
62) 1,3,5-Trimethylbenzene	11.298	105	6159	0.141	ug/L #	74
63) 1,2,4-Trimethylbenzene	11.298	105	6159	0.138	ug/L #	78
64) 1,3-Dichlorobenzene	11.754	146	3285	0.145	ug/L #	80
65) 1,4-Dichlorobenzene	11.841	146	15976	0.698	ug/L #	81
67) 1,2-Dichlorobenzene	12.217	146	9325	0.437	ug/L #	90
68) 1,2-Dibromo-3-chloropr...	13.028	75	15425	7.915	ug/L #	1
71) Naphthalene	14.092	128	50320	1.898	ug/L #	95
72) 1,2,3-Trichlorobenzene	14.336	180	3101	0.245	ug/L #	28

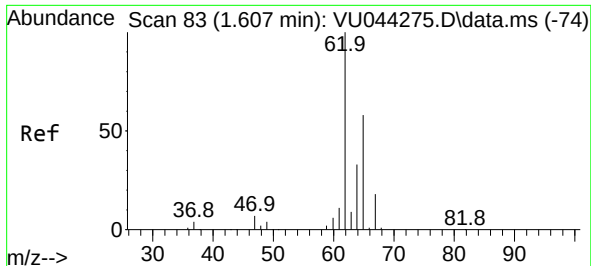
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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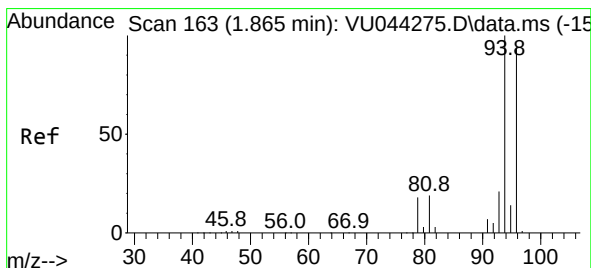
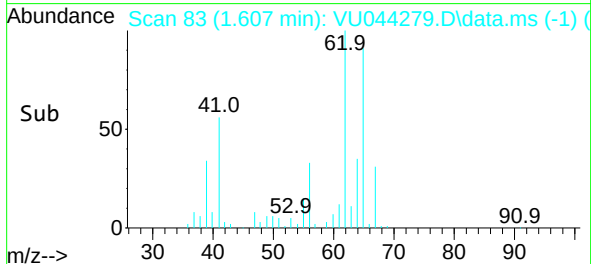
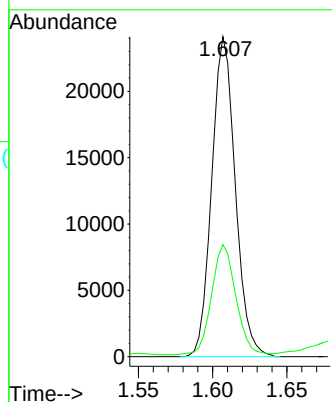
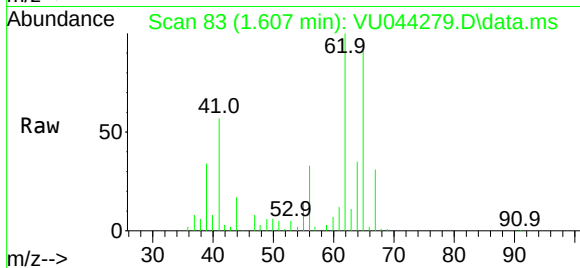




#5
 Vinyl chloride
 Concen: 2.428 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.001 min
 Lab File: VU044279.D
 Acq: 01 Jul 2021 12:20

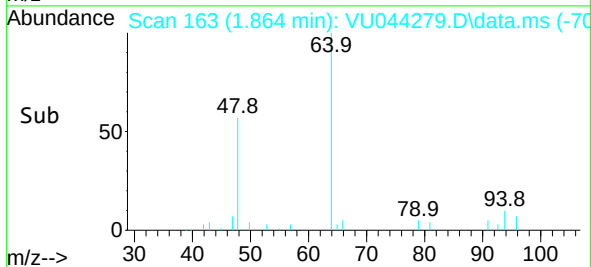
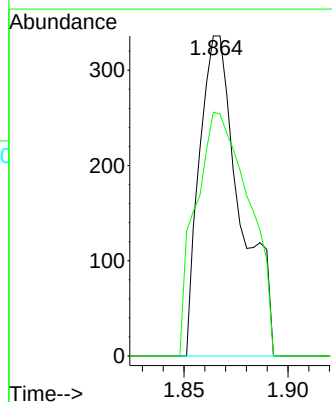
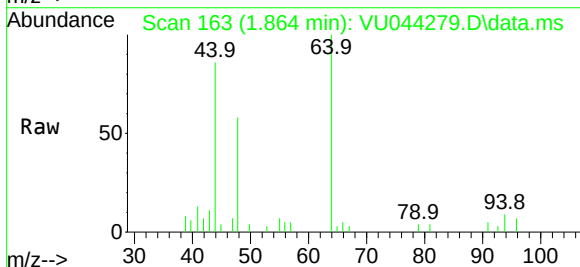
Instrument :
 MSVOA_U
 ClientSampled :

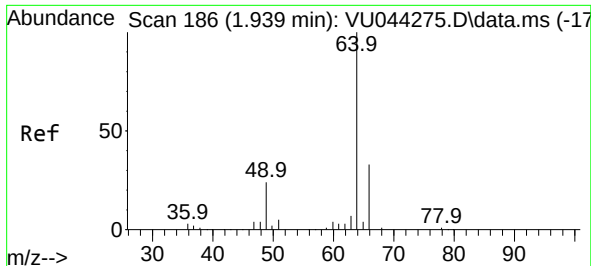
Tgt Ion: 62 Resp: 26594
 Ion Ratio Lower Upper
 62 100
 64 35.0 23.7 44.1



#6
 Bromomethane
 Concen: 0.065 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. -0.000 min
 Lab File: VU044279.D
 Acq: 01 Jul 2021 12:20

Tgt Ion: 94 Resp: 459
 Ion Ratio Lower Upper
 94 100
 96 76.2 65.8 122.2

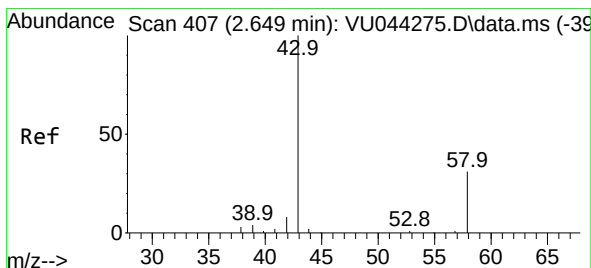
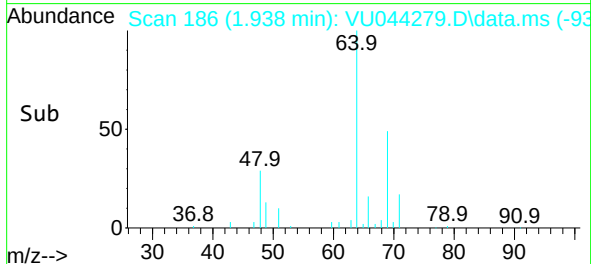
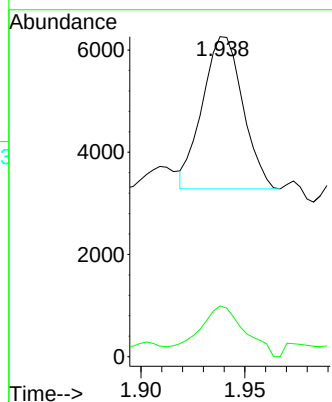
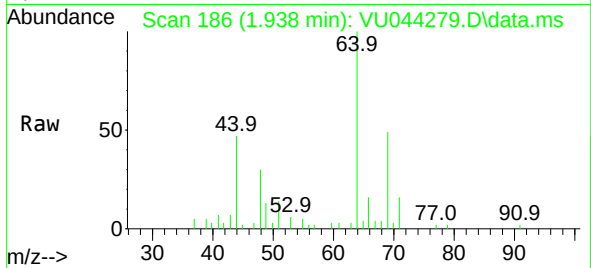




#8
Chloroethane
Concen: 0.540 ug/L
RT: 1.938 min Scan# 186
Delta R.T. -0.000 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

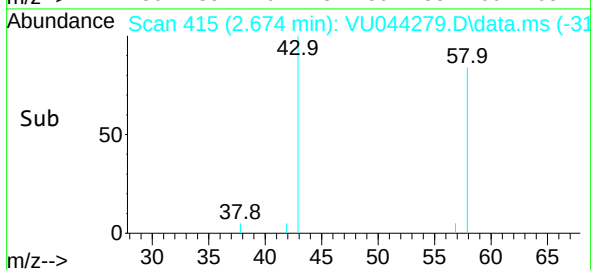
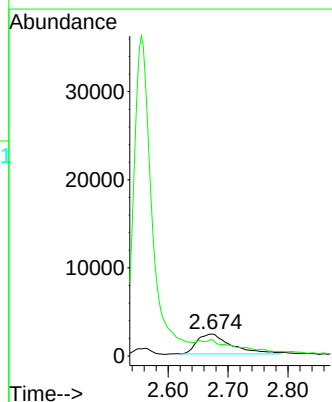
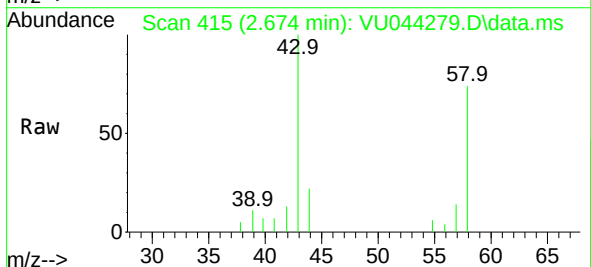
Instrument :
MSVOA_U
ClientSampleId :

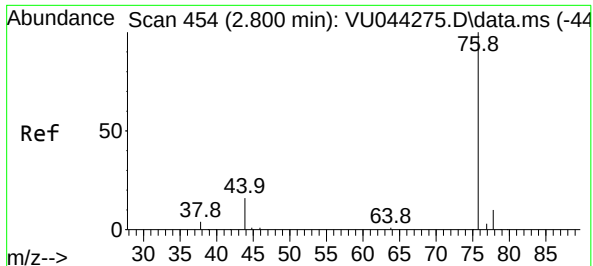
Tgt Ion: 64 Resp: 4025
Ion Ratio Lower Upper
64 100
66 15.8 22.7 42.3#



#13
Acetone
Concen: 6.498 ug/L
RT: 2.674 min Scan# 415
Delta R.T. 0.025 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

Tgt Ion: 43 Resp: 8978
Ion Ratio Lower Upper
43 100
58 0.0 0.0 53.8

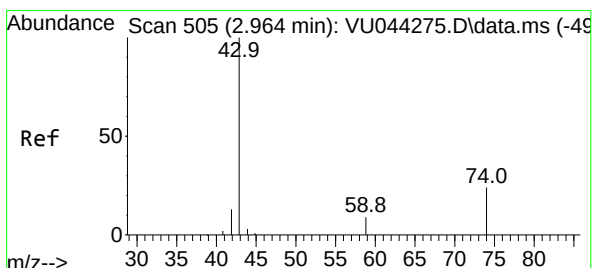
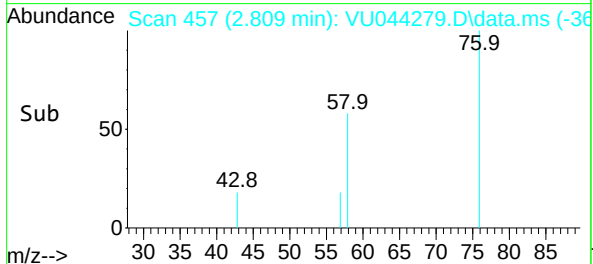
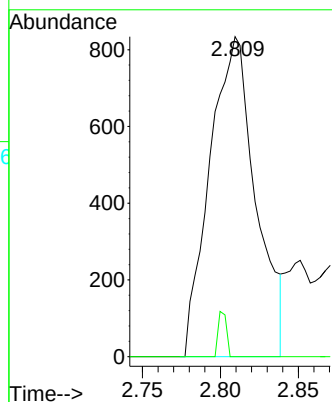
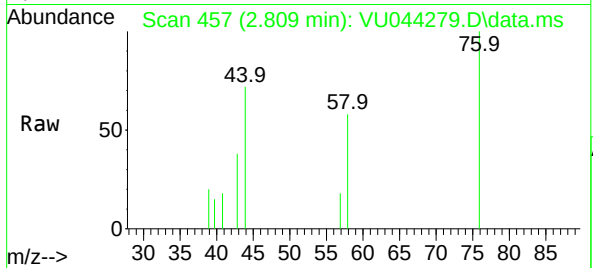




#14
Carbon disulfide
Concen: 0.062 ug/L
RT: 2.809 min Scan# 457
Delta R.T. 0.009 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

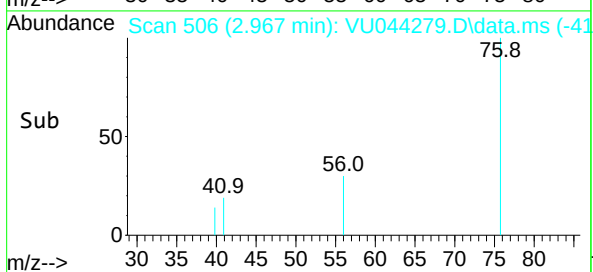
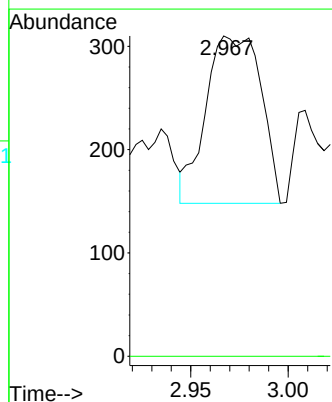
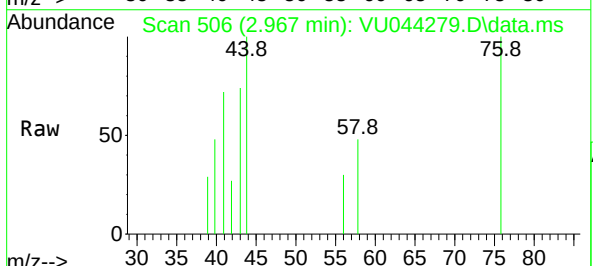
Instrument :
MSVOA_U
ClientSampleId :

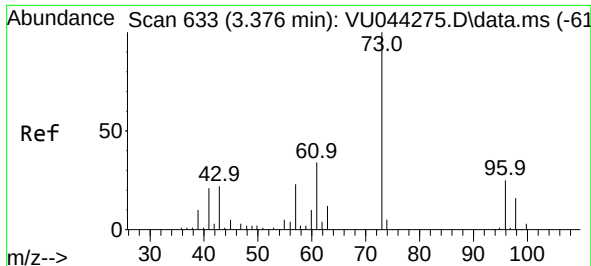
Tgt Ion: 76 Resp: 1713
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#15
Methyl Acetate
Concen: 0.082 ug/L
RT: 2.967 min Scan# 506
Delta R.T. 0.003 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

Tgt Ion: 43 Resp: 319
Ion Ratio Lower Upper
43 100
74 0.0 18.4 27.6#





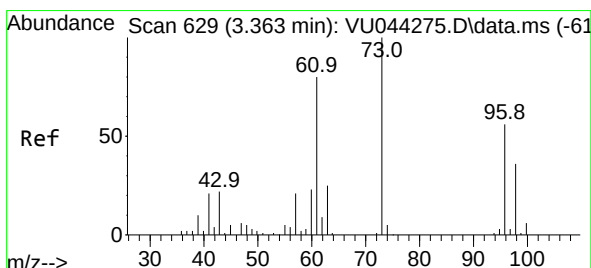
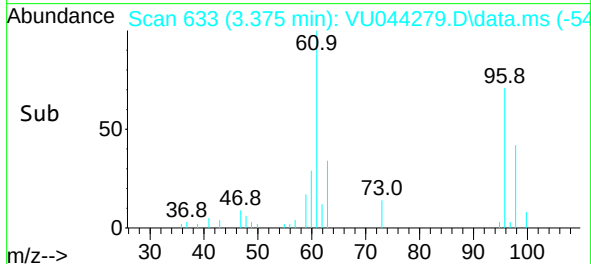
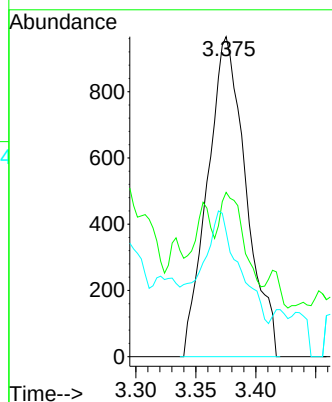
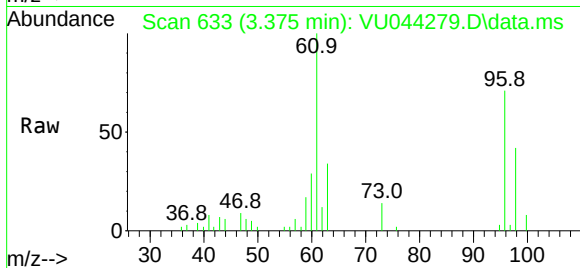
#17

Methyl tert-butyl Ether
 Concen: 0.081 ug/L
 RT: 3.375 min Scan# 633
 Delta R.T. -0.001 min
 Lab File: VU044279.D
 Acq: 01 Jul 2021 12:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 73 Resp: 2151

Ion	Ratio	Lower	Upper
73	100		
43	0.0	17.6	26.4#
57	30.7	17.8	26.8#

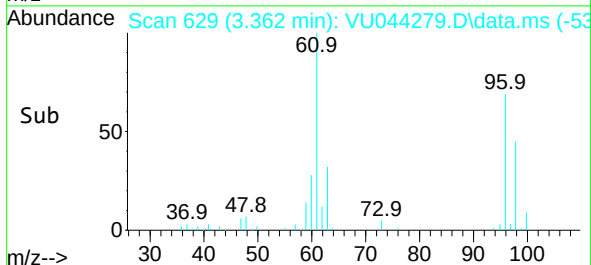
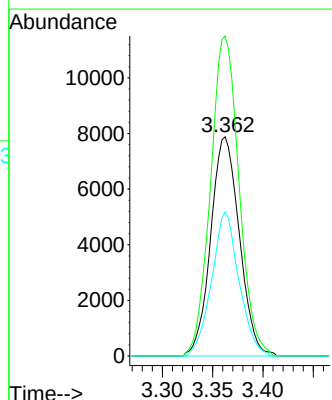
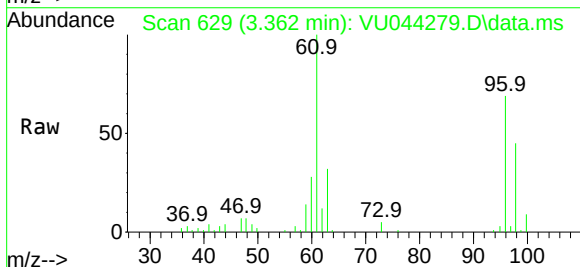


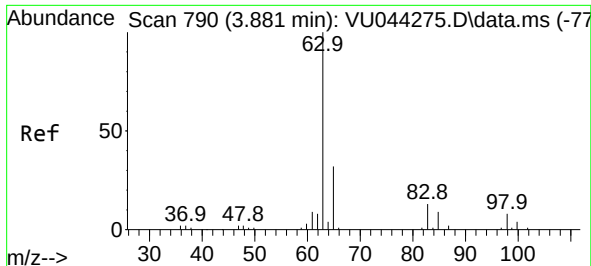
#18

trans-1,2-Dichloroethene
 Concen: 1.639 ug/L
 RT: 3.362 min Scan# 629
 Delta R.T. -0.000 min
 Lab File: VU044279.D
 Acq: 01 Jul 2021 12:20

Tgt Ion: 96 Resp: 15614

Ion	Ratio	Lower	Upper
96	100		
61	145.9	100.2	186.2
98	65.8	44.9	83.5





#19

1,1-Dichloroethane

Concen: 1.230 ug/L

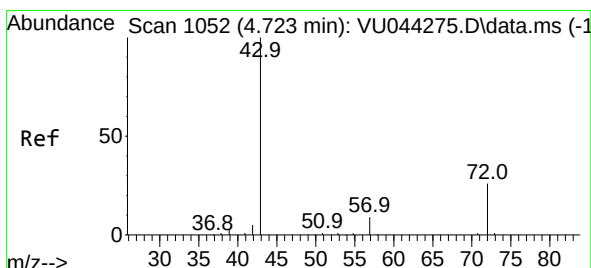
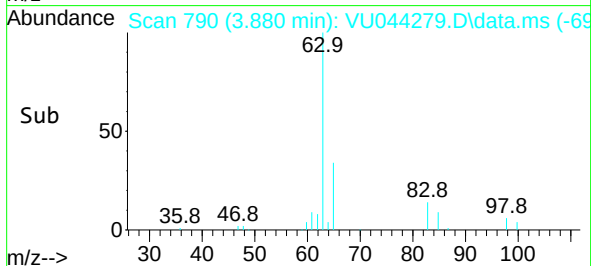
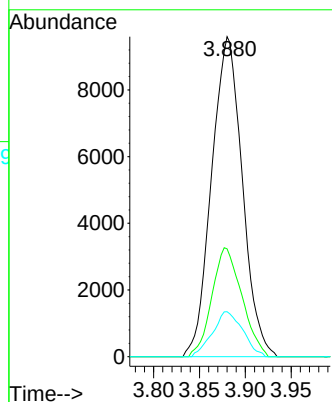
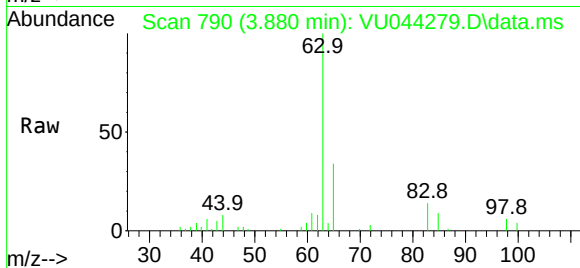
RT: 3.880 min Scan# 790

Delta R.T. -0.001 min

Lab File: VU044279.D

Acq: 01 Jul 2021 12:20

Tgt Ion:	63	Resp:	22344
Ion	Ratio	Lower	Upper
63	100		
65	33.7	22.3	41.3
83	14.1	9.9	18.5



#21

2-Butanone

Concen: 116.441 ug/L

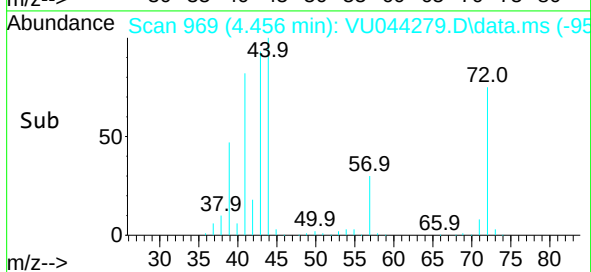
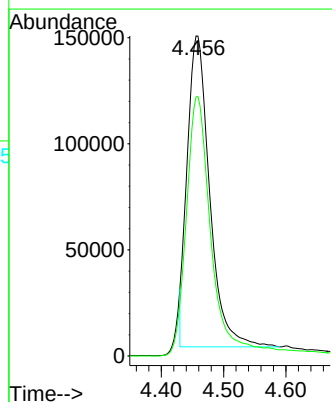
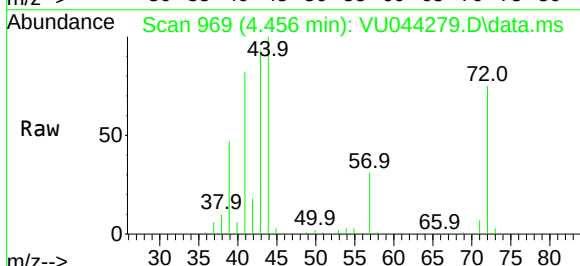
RT: 4.456 min Scan# 969

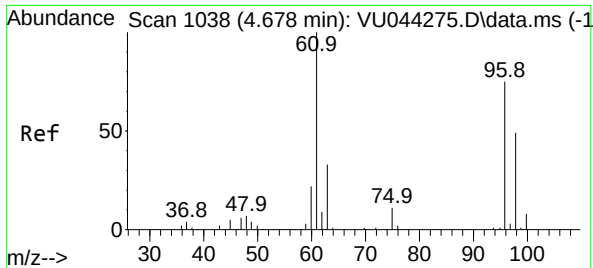
Delta R.T. -0.267 min

Lab File: VU044279.D

Acq: 01 Jul 2021 12:20

Tgt Ion:	43	Resp:	365474
Ion	Ratio	Lower	Upper
43	100		
72	79.4	13.4	40.1#

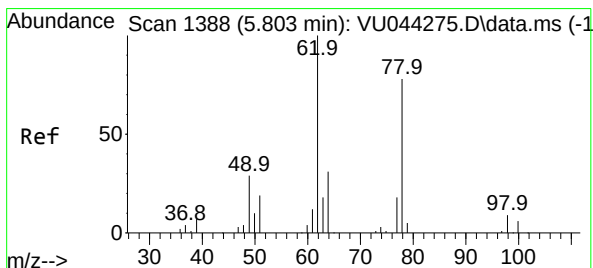
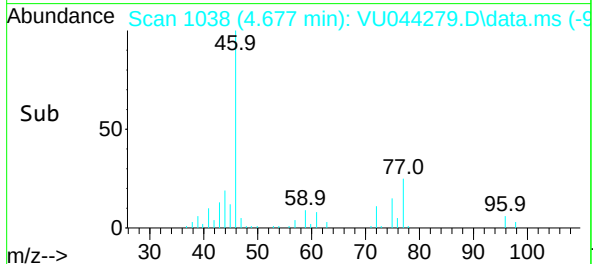
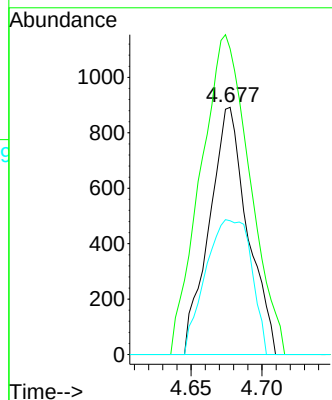
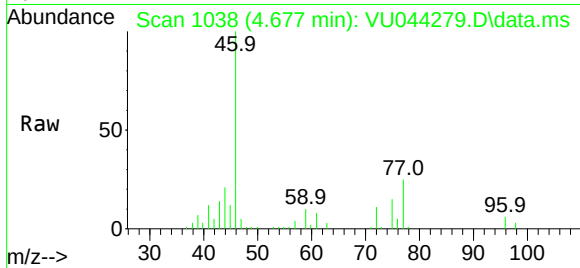




#22
 cis-1,2-Dichloroethene
 Concen: 0.160 ug/L
 RT: 4.677 min Scan# 1038
 Delta R.T. -0.000 min
 Lab File: VU044279.D
 Acq: 01 Jul 2021 12:20

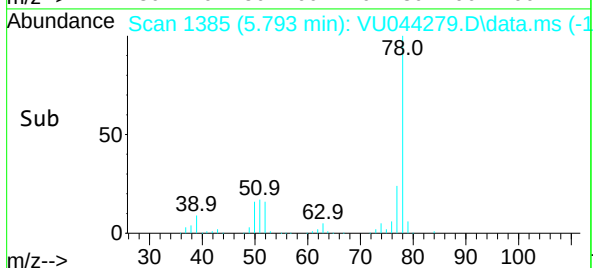
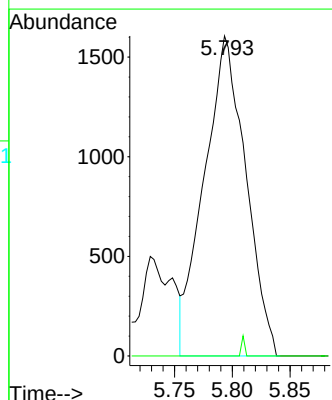
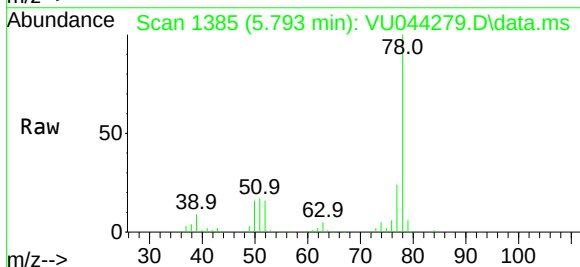
Instrument :
 MSVOA_U
 ClientSampled :

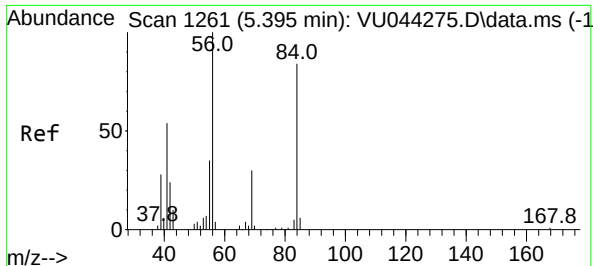
Tgt Ion:	96	Resp:	1671
Ion	Ratio	Lower	Upper
96	100		
61	123.7	98.8	183.6
98	54.1	44.8	83.2



#27
 1,2-Dichloroethane
 Concen: 0.310 ug/L
 RT: 5.793 min Scan# 1385
 Delta R.T. -0.010 min
 Lab File: VU044279.D
 Acq: 01 Jul 2021 12:20

Tgt Ion:	62	Resp:	4011
Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.8	10.2#





#30

Cyclohexane

Concen: 0.182 ug/L

RT: 5.391 min Scan# 1260

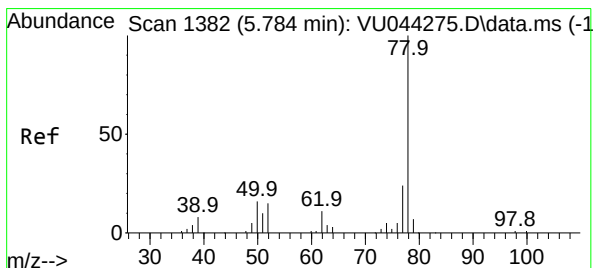
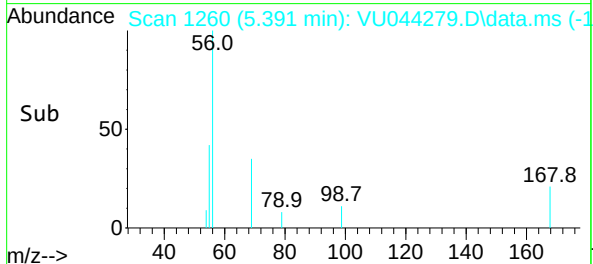
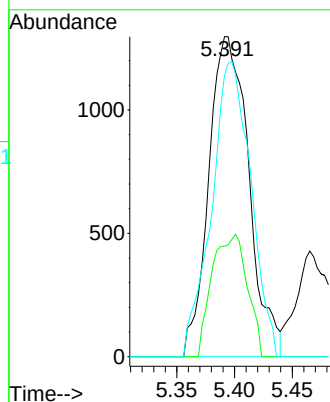
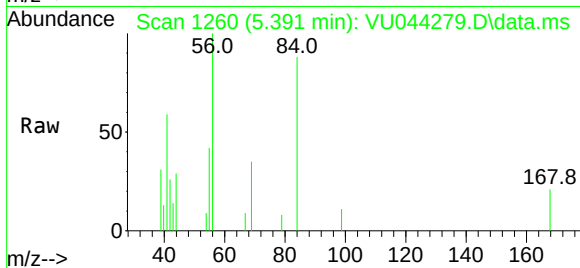
Delta R.T. -0.004 min

Lab File: VU044279.D

Acq: 01 Jul 2021 12:20

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 56	Resp: 3126
Ion Ratio	Lower Upper
56	100
69	33.5 24.8 37.2
84	90.4 67.8 101.8



#33

Benzene

Concen: 4.918 ug/L

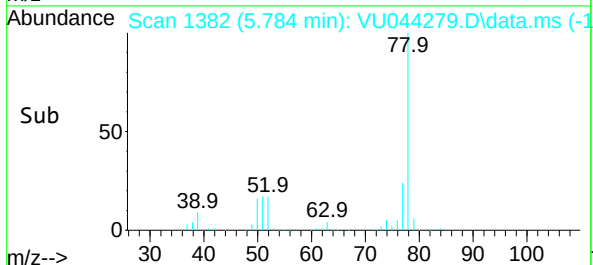
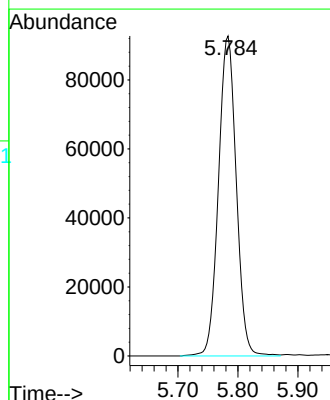
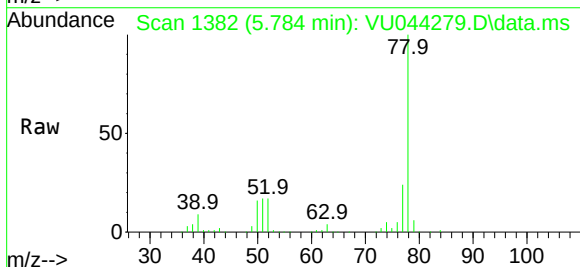
RT: 5.784 min Scan# 1382

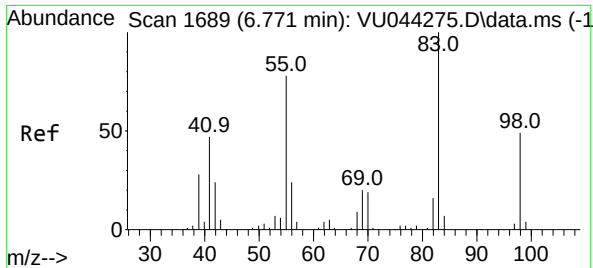
Delta R.T. -0.000 min

Lab File: VU044279.D

Acq: 01 Jul 2021 12:20

Tgt Ion: 78 Resp: 190677

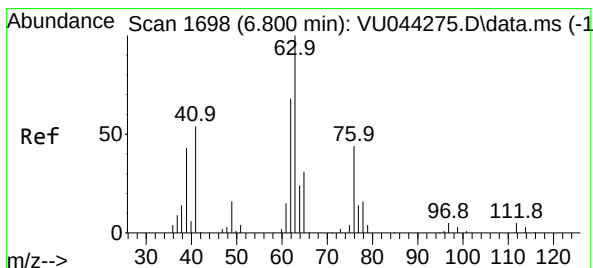
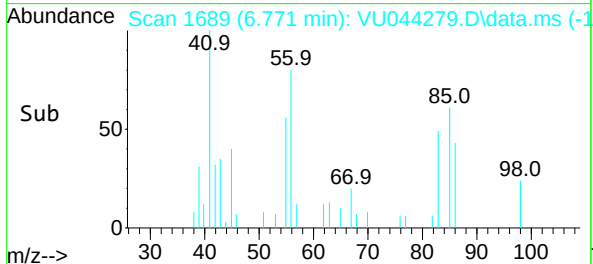
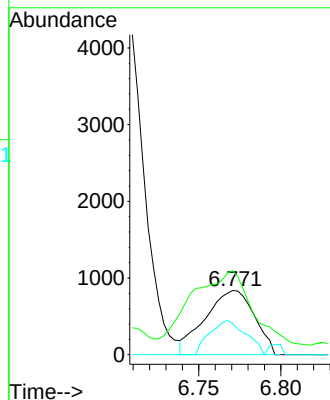
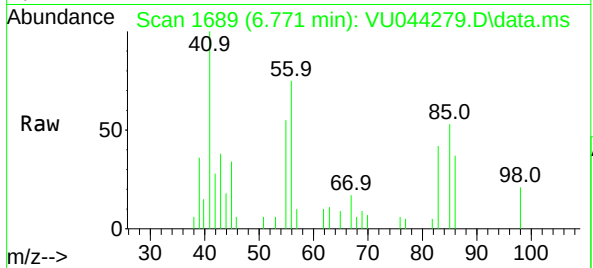




#35
Methylcyclohexane
Concen: 0.101 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

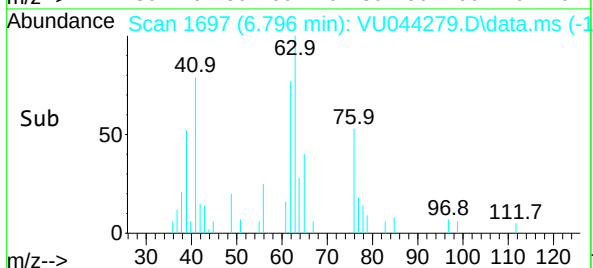
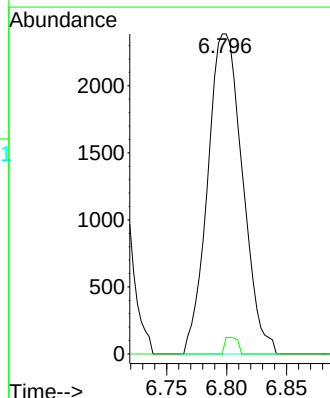
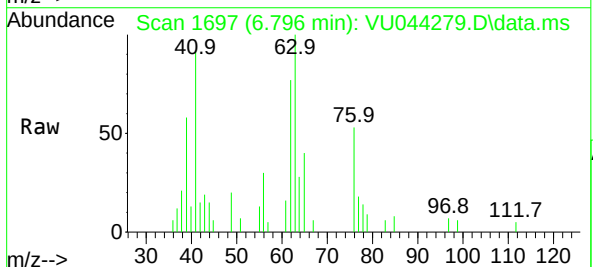
Instrument :
MSVOA_U
ClientSampled :

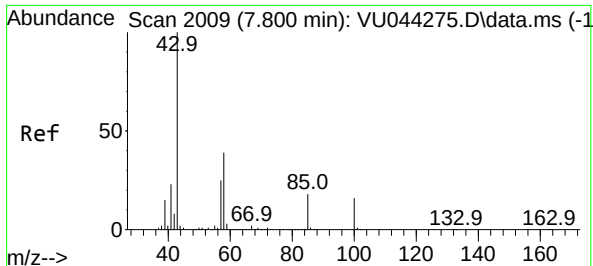
Tgt Ion:	83	Resp:	1744
Ion	Ratio	Lower	Upper
83	100		
55	154.7	63.4	95.0#
98	39.2	39.4	59.0#



#37
1,2-Dichloropropane
Concen: 0.471 ug/L
RT: 6.796 min Scan# 1697
Delta R.T. -0.004 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

Tgt Ion:	63	Resp:	4822
Ion	Ratio	Lower	Upper
63	100		
112	1.9	3.5	5.3#

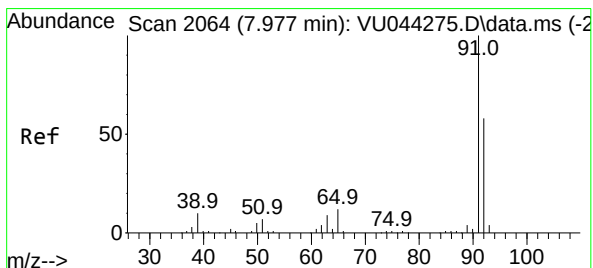
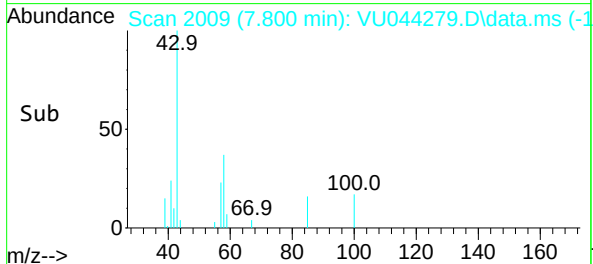
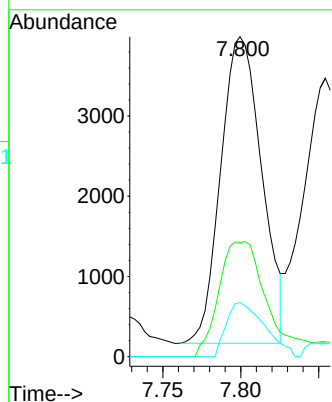
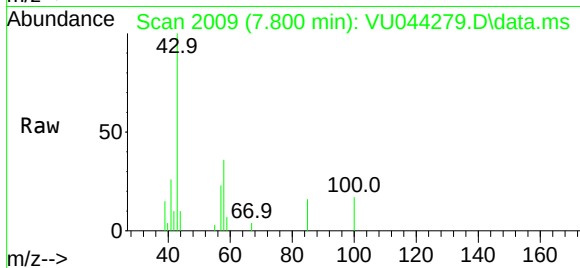




#40
4-Methyl-2-pentanone
Concen: 0.850 ug/L
RT: 7.800 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

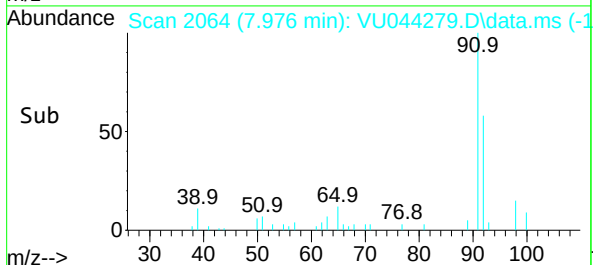
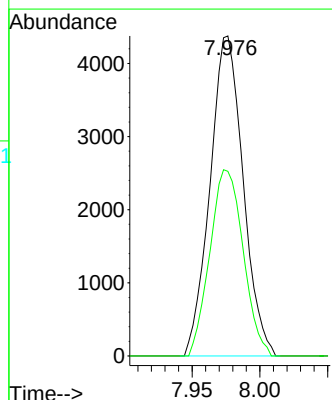
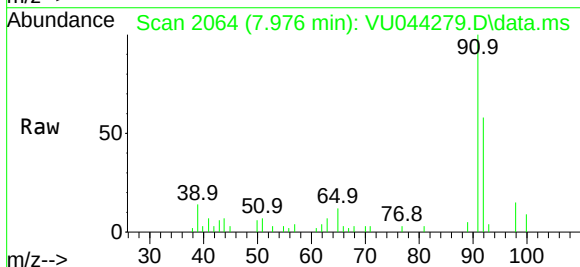
Instrument :
MSVOA_U
ClientSampleId :

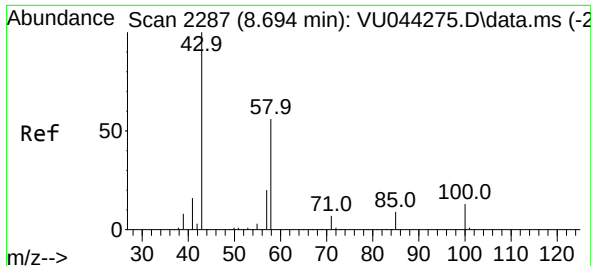
Tgt Ion: 43 Resp: 6992
Ion Ratio Lower Upper
43 100
58 44.5 31.2 46.8
100 0.0 12.3 18.5#



#42
Toluene
Concen: 0.174 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.001 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

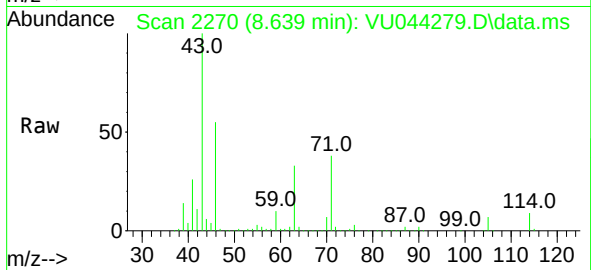
Tgt Ion: 91 Resp: 7434
Ion Ratio Lower Upper
91 100
92 57.7 41.2 76.6



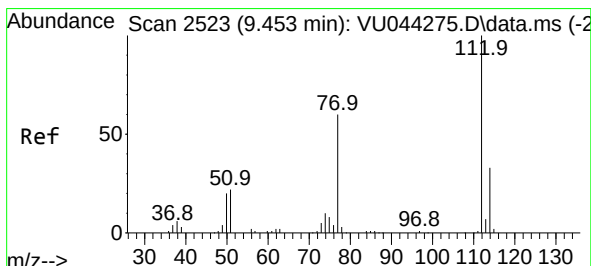
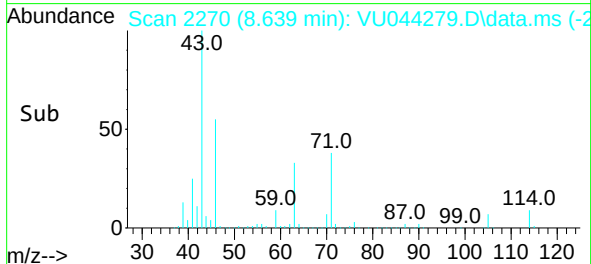
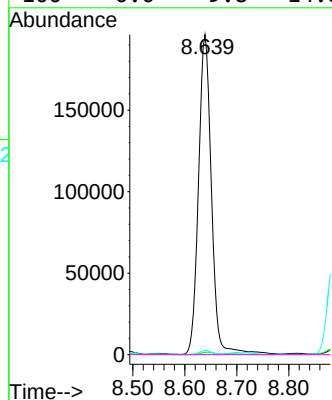


#48
2-Hexanone
Concen: 58.388 ug/L
RT: 8.639 min Scan# 2270
Delta R.T. -0.055 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

Instrument :
MSVOA_U
ClientSampleId :

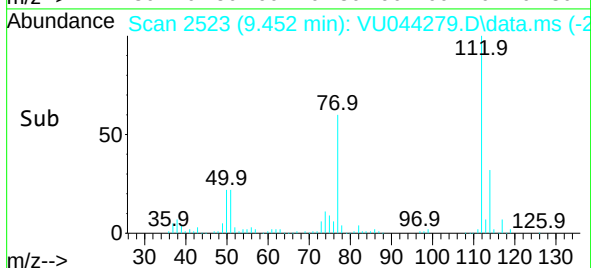
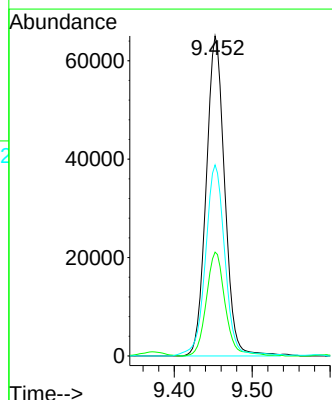
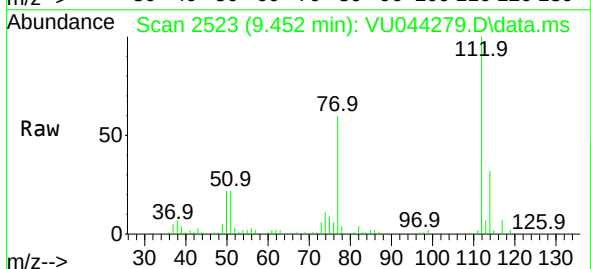


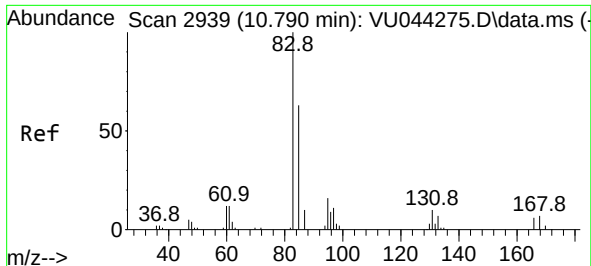
Tgt Ion: 43 Resp: 338607
Ion Ratio Lower Upper
43 100
58 0.9 44.7 67.1#
57 1.4 15.7 23.5#
100 0.0 9.8 14.8#



#51
Chlorobenzene
Concen: 3.939 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. -0.000 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

Tgt Ion: 112 Resp: 107730
Ion Ratio Lower Upper
112 100
114 32.4 22.0 41.0
77 59.7 48.9 73.3

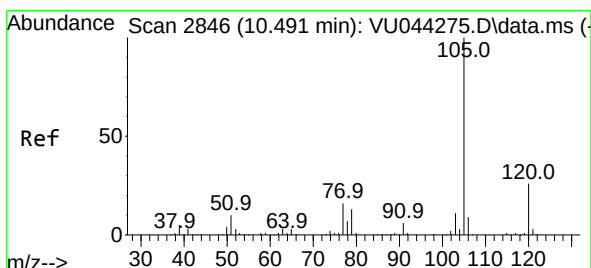
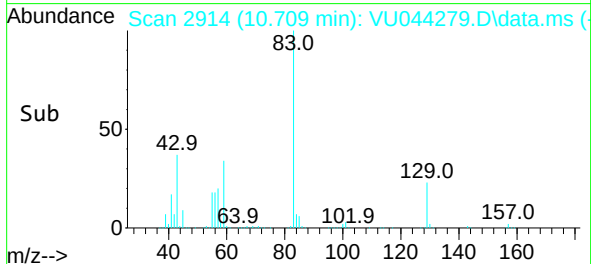
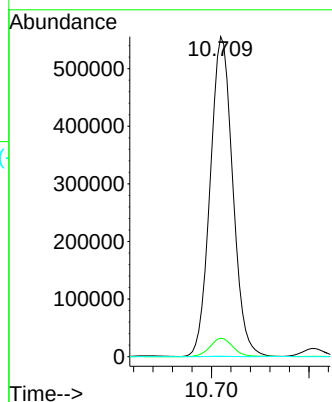
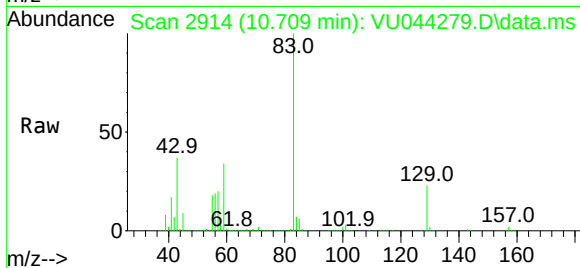




#57
1,1,2,2-Tetrachloroethane
Concen: 87.294 ug/L
RT: 10.709 min Scan# 2914
Delta R.T. -0.081 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

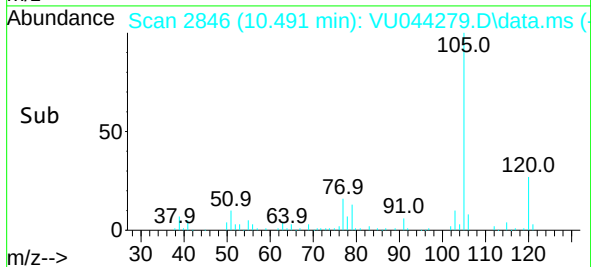
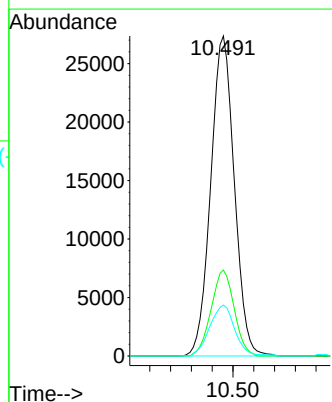
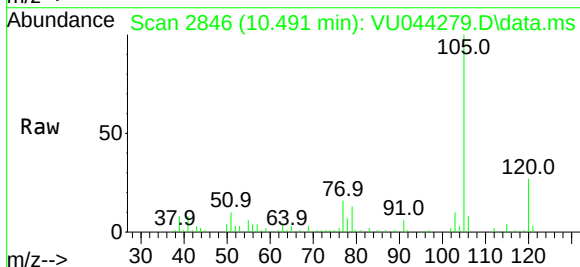
Instrument :
MSVOA_U
ClientSampled :

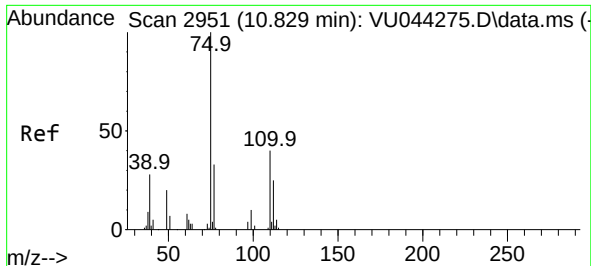
Tgt Ion: 83 Resp: 892710
Ion Ratio Lower Upper
83 100
85 5.8 45.5 84.5#
131 0.2 7.9 11.9#



#60
Isopropylbenzene
Concen: 0.856 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. -0.001 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

Tgt Ion: 105 Resp: 43015
Ion Ratio Lower Upper
105 100
120 26.2 20.7 31.1
77 16.8 12.9 19.3

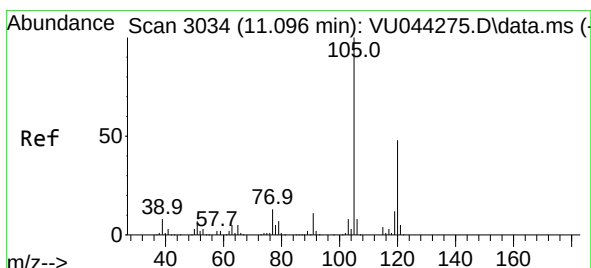
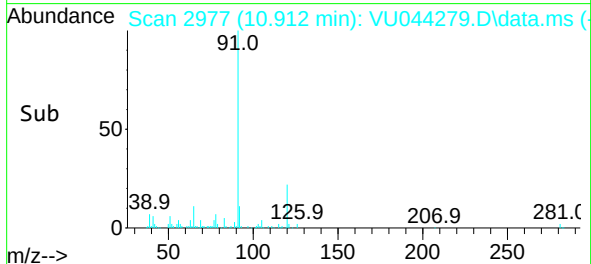
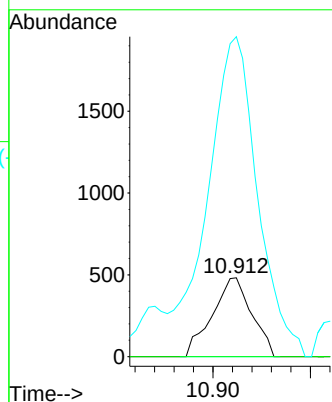
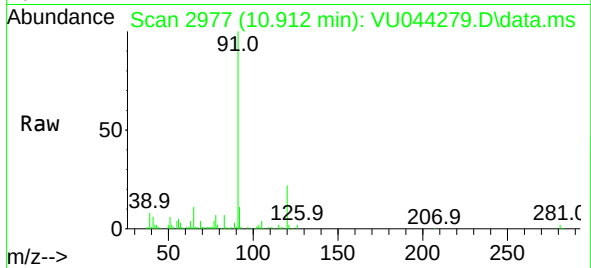




#61
1,2,3-Trichloropropane
Concen: 0.091 ug/L
RT: 10.912 min Scan# 2977
Delta R.T. 0.083 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

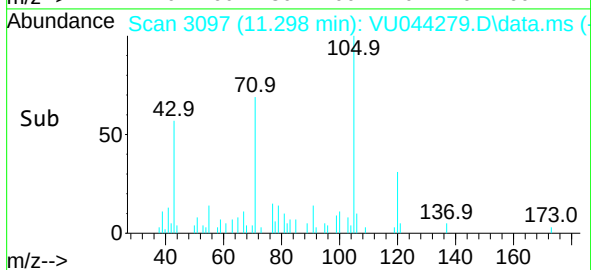
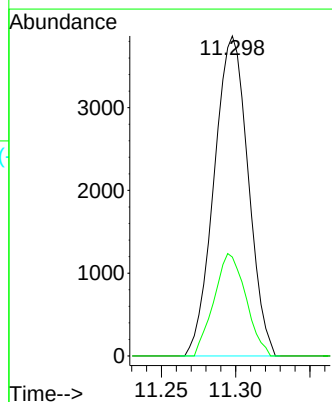
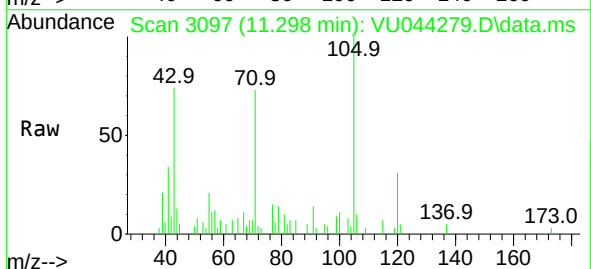
Instrument :
MSVOA_U
ClientSampleId :

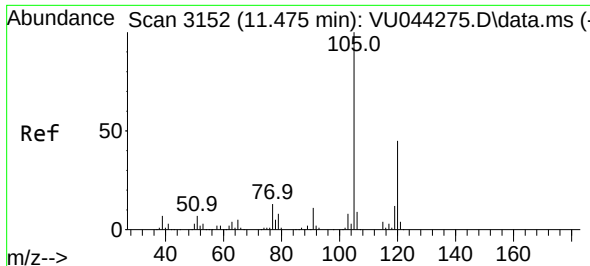
Tgt Ion: 75 Resp: 680
Ion Ratio Lower Upper
75 100
110 0.0 30.5 45.7#
77 513.2 26.1 39.1#



#62
1,3,5-Trimethylbenzene
Concen: 0.141 ug/L
RT: 11.298 min Scan# 3097
Delta R.T. 0.202 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

Tgt Ion: 105 Resp: 6159
Ion Ratio Lower Upper
105 100
120 29.9 38.0 57.0#

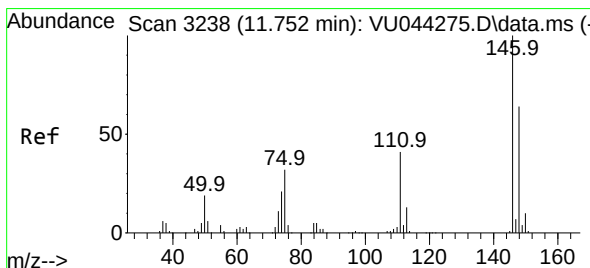
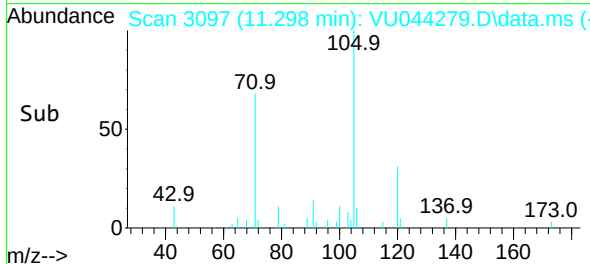
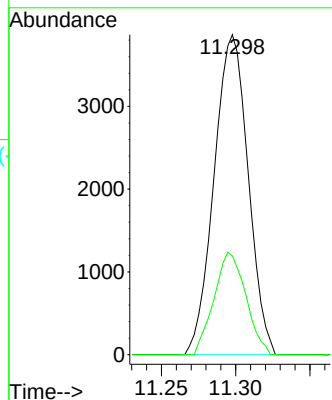
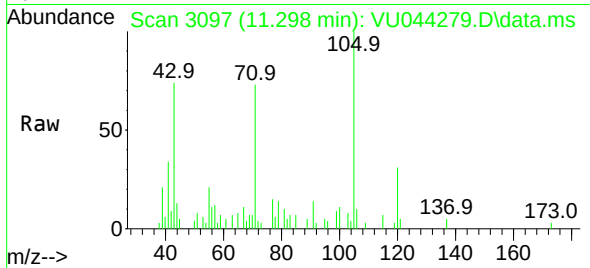




#63
1,2,4-Trimethylbenzene
Concen: 0.138 ug/L
RT: 11.298 min Scan# 3097
Delta R.T. -0.177 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

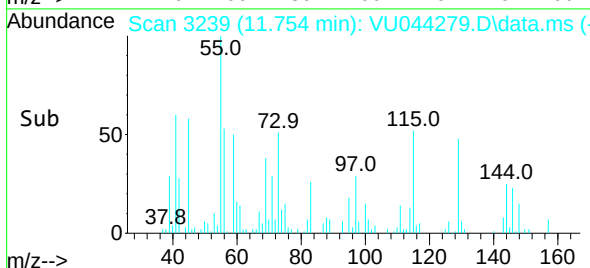
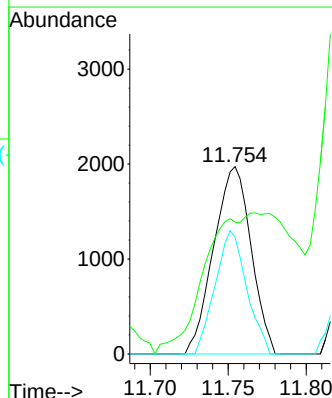
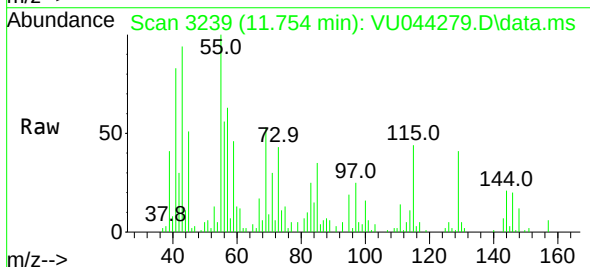
Instrument :
MSVOA_U
ClientSampled :

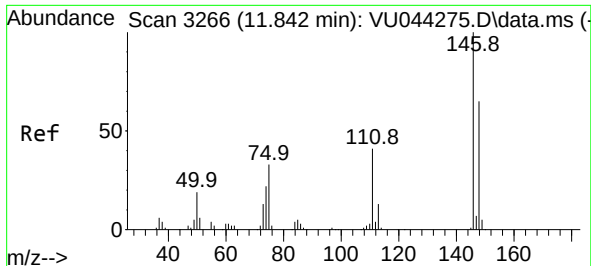
Tgt Ion:105 Resp: 6159
Ion Ratio Lower Upper
105 100
120 29.9 35.6 53.4#



#64
1,3-Dichlorobenzene
Concen: 0.145 ug/L
RT: 11.754 min Scan# 3239
Delta R.T. 0.003 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

Tgt Ion:146 Resp: 3285
Ion Ratio Lower Upper
146 100
111 70.3 29.8 55.3#
148 62.3 45.8 85.2

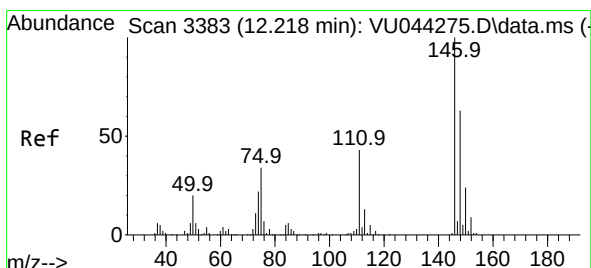
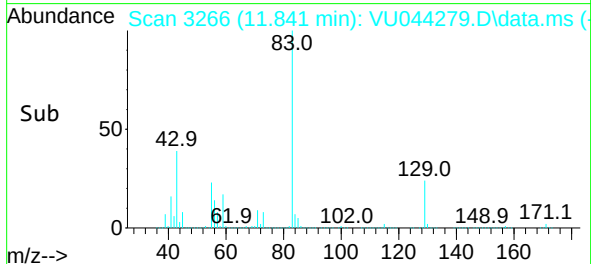
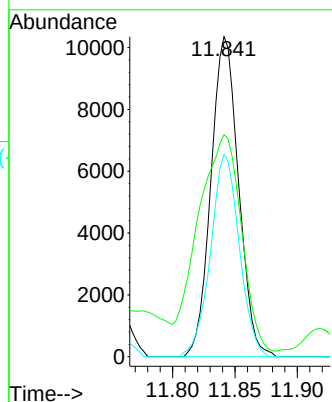
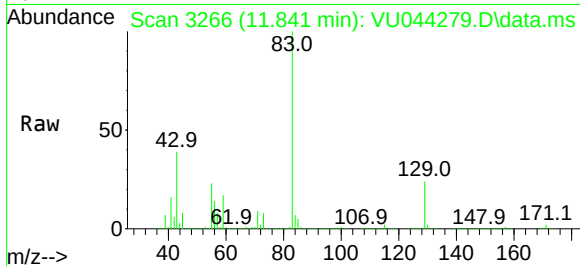




#65
1,4-Dichlorobenzene
Concen: 0.698 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. -0.001 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

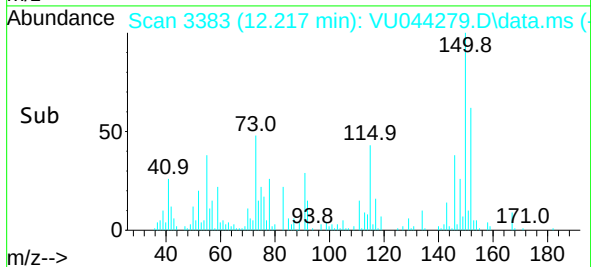
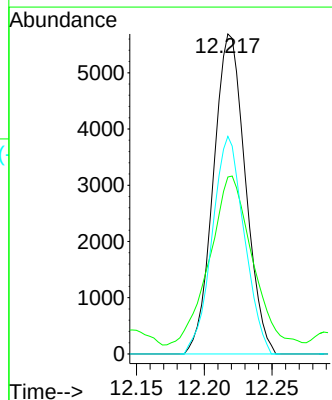
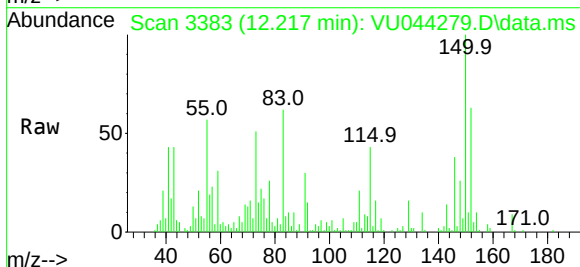
Instrument :
MSVOA_U
ClientSampled :

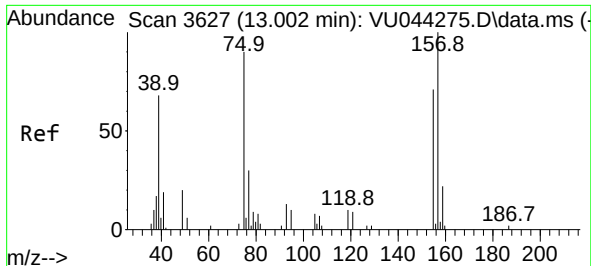
Tgt Ion:146 Resp: 15976
Ion Ratio Lower Upper
146 100
111 69.4 28.2 52.4#
148 63.2 45.1 83.9



#67
1,2-Dichlorobenzene
Concen: 0.437 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. -0.001 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

Tgt Ion:146 Resp: 9325
Ion Ratio Lower Upper
146 100
111 55.3 35.0 52.6#
148 68.0 51.2 76.8

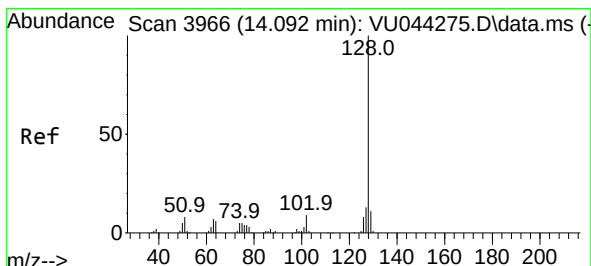
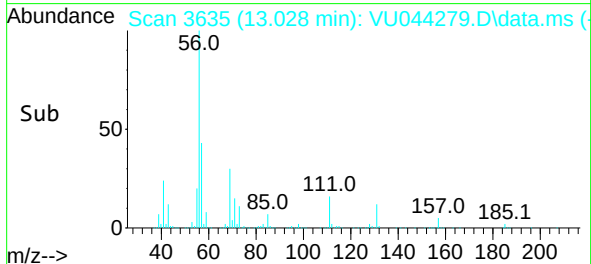
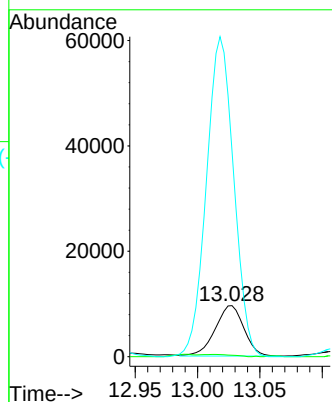
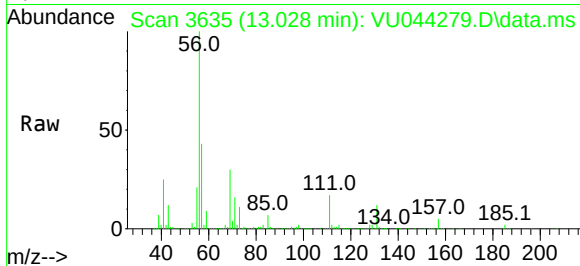




#68
1,2-Dibromo-3-chloropropane
Concen: 7.915 ug/L
RT: 13.028 min Scan# 3635
Delta R.T. 0.025 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

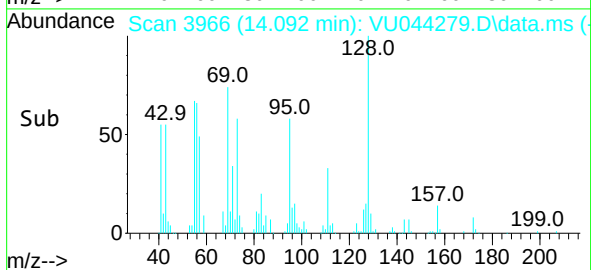
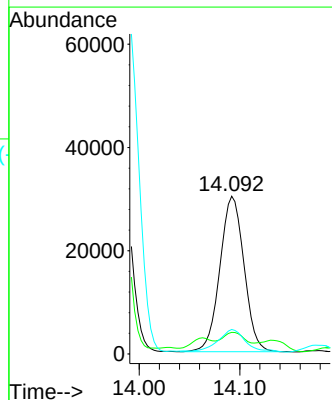
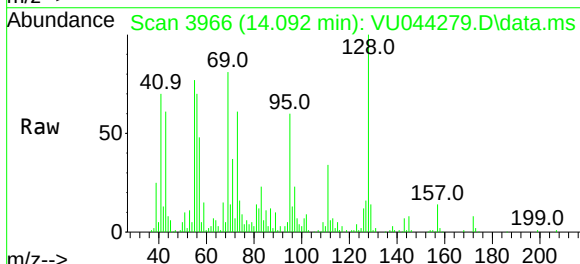
Instrument :
MSVOA_U
ClientSampled :

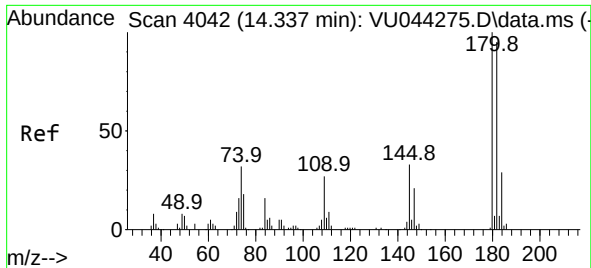
Tgt Ion: 75 Resp: 15425
Ion Ratio Lower Upper
75 100
155 2.8 59.9 89.9#
157 402.1 79.3 118.9#



#71
Naphthalene
Concen: 1.898 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. -0.000 min
Lab File: VU044279.D
Acq: 01 Jul 2021 12:20

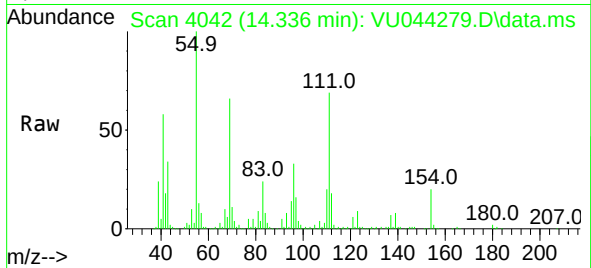
Tgt Ion: 128 Resp: 50320
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 16.7 10.3 15.5#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.245 ug/L
 RT: 14.336 min Scan# 4042
 Delta R.T. -0.000 min
 Lab File: VU044279.D
 Acq: 01 Jul 2021 12:20

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 3101
 Ion Ratio Lower Upper
 180 100
 182 20.7 76.4 114.6#
 145 0.0 26.5 39.7#

