

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063021\
 Data File : VU044268.D
 Acq On : 30 Jun 2021 18:27
 Operator : SY/MD
 Sample : M2905-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBK35

Quant Time: Jul 01 02:40:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 01 02:36:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	161158	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	153327	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	86243	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	38822	4.449	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.919	69	38312	4.459	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.200%
11) 1,1-Dichloroethene-d2	2.575	65	20287	4.530	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.600%
20) 2-Butanone-d5	4.658	46	119154	37.084	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.160%
24) Chloroform-d	5.073	84	92048	4.686	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
26) 1,2-Dichloroethane-d4	5.713	65	53061	4.519	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.400%
32) Benzene-d6	5.736	84	184766	4.852	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	6.700	67	60009	4.862	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.906	98	171096	4.842	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
43) trans-1,3-Dichloroprop...	8.186	79	25030	4.373	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.400%
46) 2-Hexanone-d5	8.642	63	133275	48.882	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.760%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	51486	4.693	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.800%
66) 1,2-Dichlorobenzene-d4	12.198	152	75022	5.280	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	18518	1.626	ug/L	94
8) Chloroethane	1.941	64	930	0.120	ug/L #	72
13) Acetone	2.684	43	16905	11.767	ug/L #	48
18) trans-1,2-Dichloroethene	3.363	96	16888	1.705	ug/L	96
19) 1,1-Dichloroethane	3.880	63	27316	1.446	ug/L	97
22) cis-1,2-Dichloroethene	4.681	96	17487	1.614	ug/L	97
30) Cyclohexane	5.395	56	3392	0.190	ug/L	90
33) Benzene	5.784	78	335026	8.329	ug/L	100
34) Trichloroethene	6.552	95	1202	0.110	ug/L	93
35) Methylcyclohexane	6.774	83	2435	0.135	ug/L	96
37) 1,2-Dichloropropane	6.800	63	2832	0.267	ug/L #	89
40) 4-Methyl-2-pentanone	7.803	43	6601	0.773	ug/L #	85
42) Toluene	7.977	91	12295	0.278	ug/L	91
51) Chlorobenzene	9.452	112	44482	1.568	ug/L	98
52) Ethylbenzene	9.578	91	4566	0.089	ug/L	98
53) m,p-Xylene	9.700	106	4690	0.242	ug/L	92
54) o-Xylene	10.105	106	2262	0.120	ug/L	93
60) Isopropylbenzene	10.491	105	46100	0.879	ug/L	97
62) 1,3,5-Trimethylbenzene	11.095	105	26370	0.577	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jul 01 02:36:13 2021
Response via : Initial Calibration

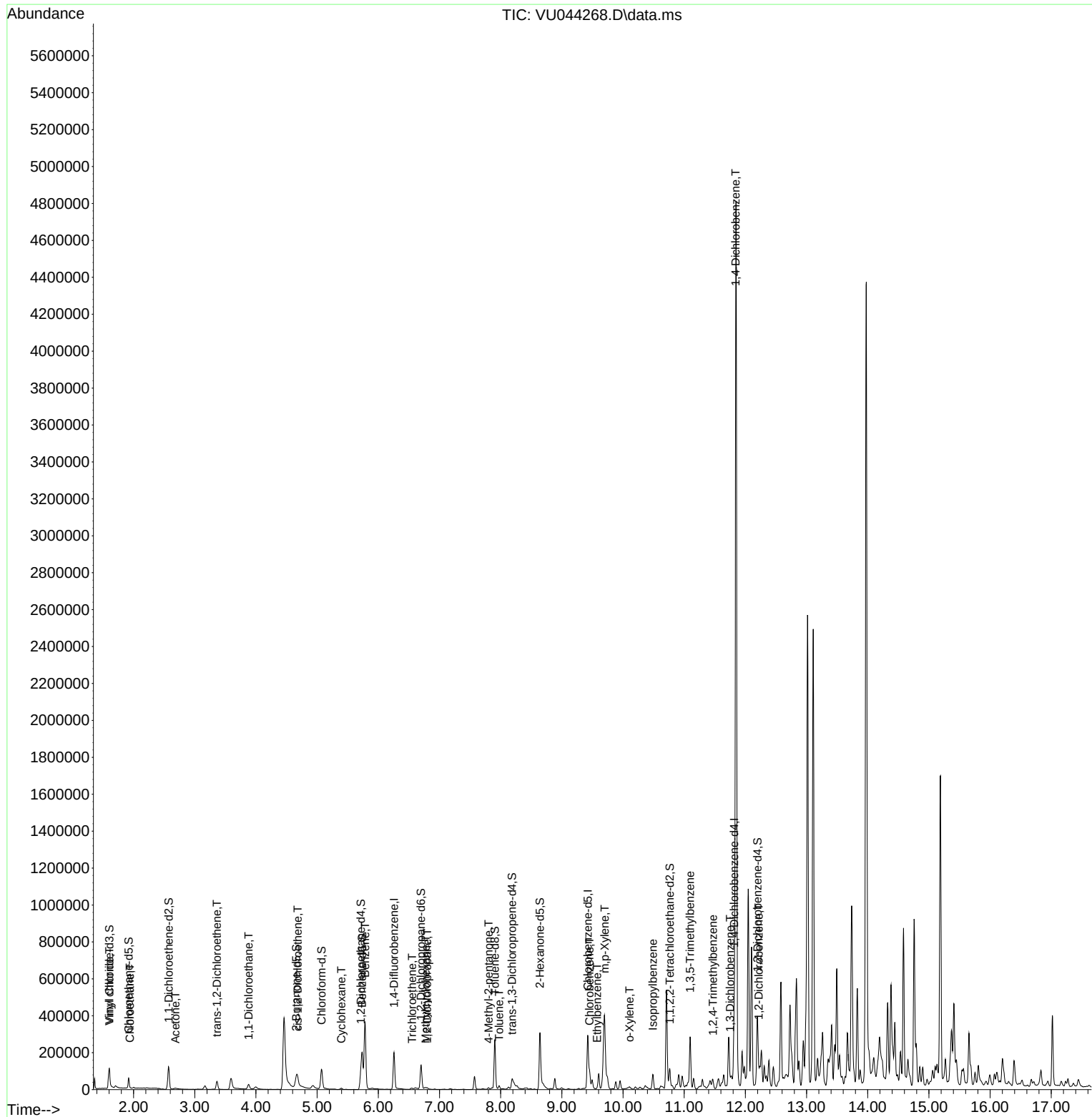
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.472	105	10968	0.235	ug/L	97
64) 1,3-Dichlorobenzene	11.751	146	2401	0.101	ug/L #	84
65) 1,4-Dichlorobenzene	11.841	146	4582	0.192	ug/L #	71
67) 1,2-Dichlorobenzene	12.218	146	4228	0.190	ug/L #	90

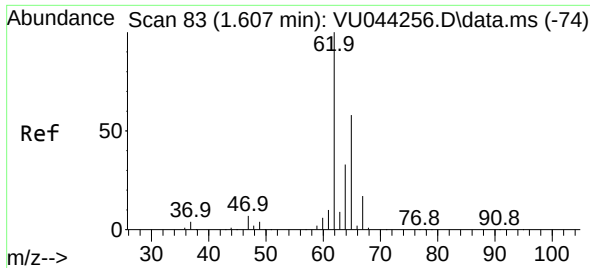
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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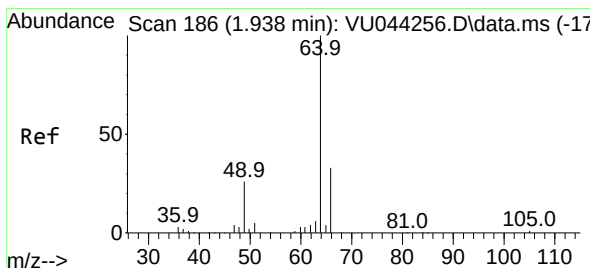
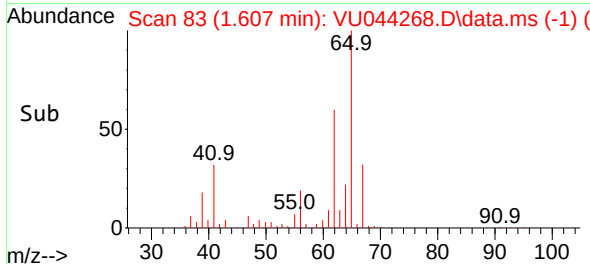
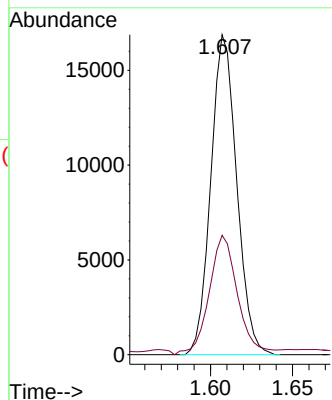
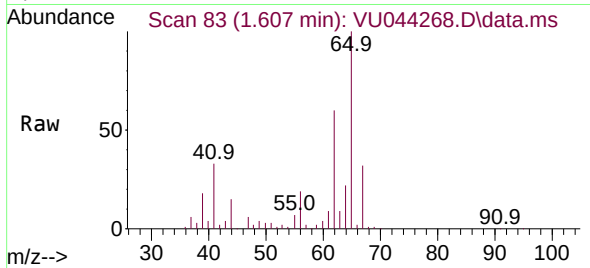




#5
 Vinyl chloride
 Concen: 1.626 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU044268.D
 Acq: 30 Jun 2021 18:27

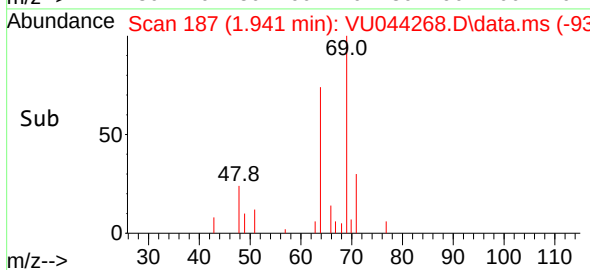
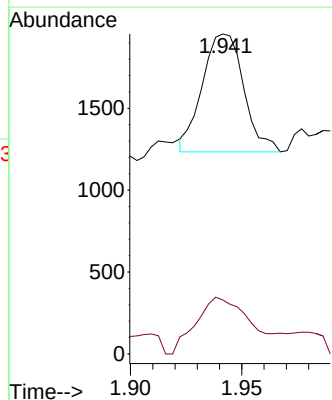
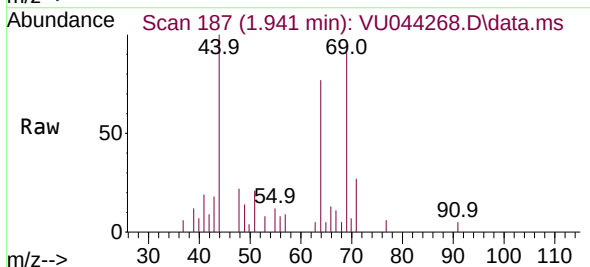
Instrument :
 MSVOA_U
 ClientSampled :
 DBK35

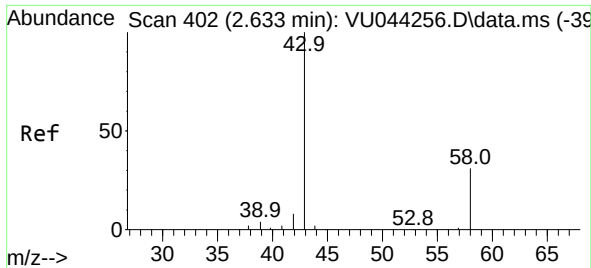
Tgt Ion: 62 Resp: 18518
 Ion Ratio Lower Upper
 62 100
 64 37.3 23.7 44.1



#8
 Chloroethane
 Concen: 0.120 ug/L
 RT: 1.941 min Scan# 187
 Delta R.T. 0.003 min
 Lab File: VU044268.D
 Acq: 30 Jun 2021 18:27

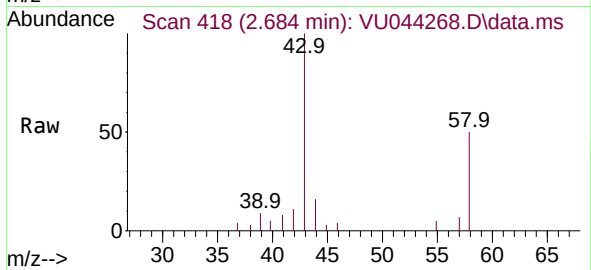
Tgt Ion: 64 Resp: 930
 Ion Ratio Lower Upper
 64 100
 66 16.8 22.7 42.3#



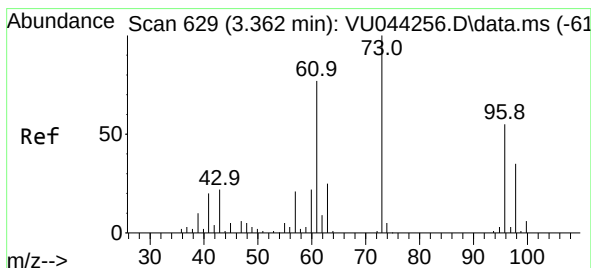
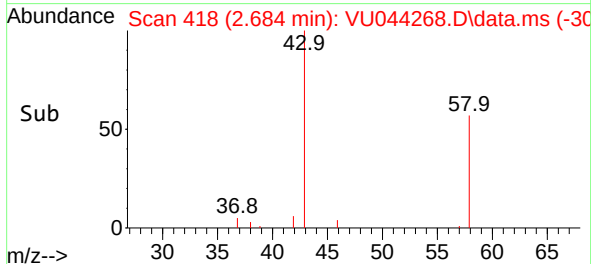
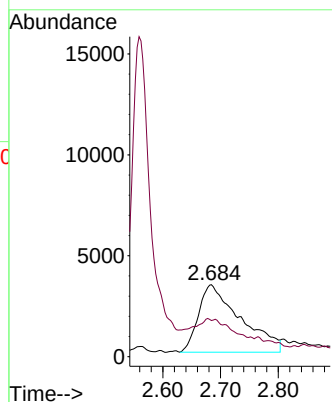


#13
Acetone
Concen: 11.767 ug/L
RT: 2.684 min Scan# 418
Delta R.T. 0.052 min
Lab File: VU044268.D
Acq: 30 Jun 2021 18:27

Instrument :
MSVOA_U
ClientSampleId :
DBK35

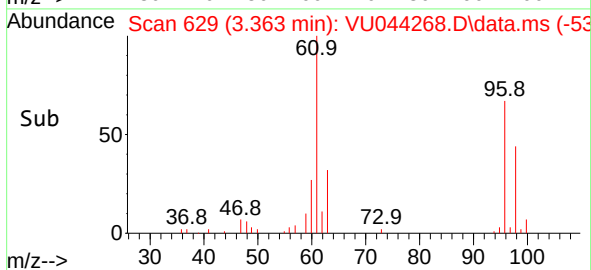
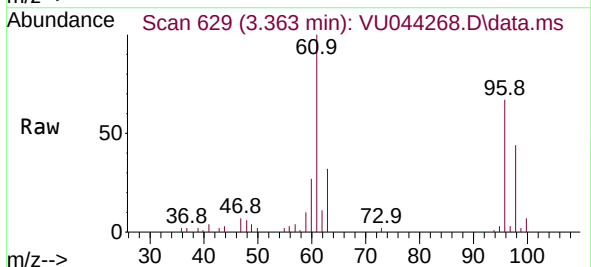
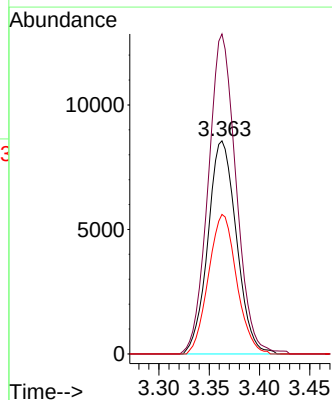


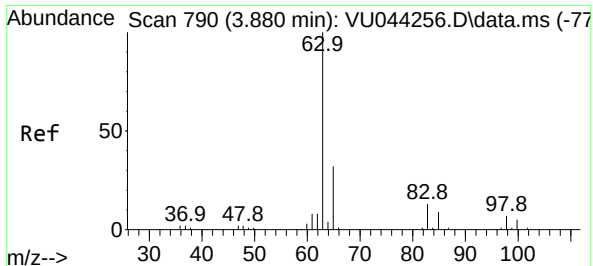
Tgt Ion: 43 Resp: 16905
Ion Ratio Lower Upper
43 100
58 0.0 0.0 53.8



#18
trans-1,2-Dichloroethene
Concen: 1.705 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU044268.D
Acq: 30 Jun 2021 18:27

Tgt Ion: 96 Resp: 16888
Ion Ratio Lower Upper
96 100
61 150.2 100.2 186.2
98 65.5 44.9 83.5





#19

1,1-Dichloroethane

Concen: 1.446 ug/L

RT: 3.880 min Scan# 790

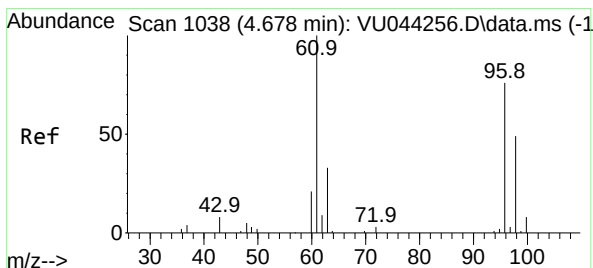
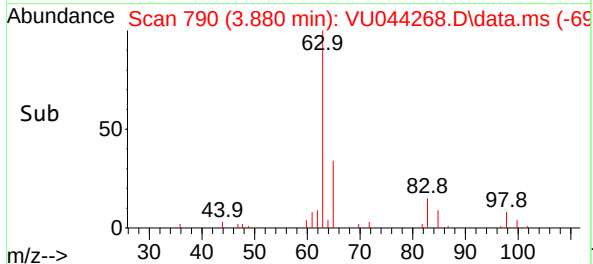
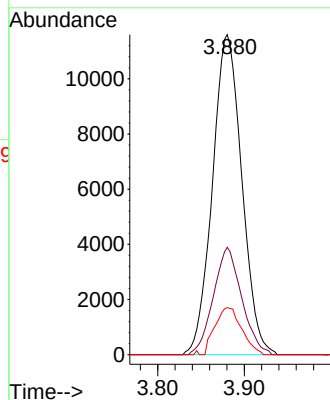
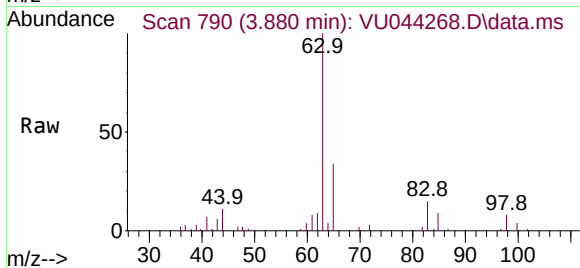
Delta R.T. 0.000 min

Lab File: VU044268.D

Acq: 30 Jun 2021 18:27

Tgt Ion: 63	Resp: 27316
Ion Ratio	Lower Upper
63 100	
65 33.5	22.3 41.3
83 14.7	9.9 18.5

Instrument :
MSVOA_U
ClientSampleId :
DBK35



#22

cis-1,2-Dichloroethene

Concen: 1.614 ug/L

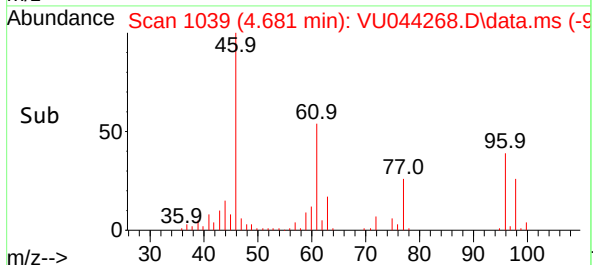
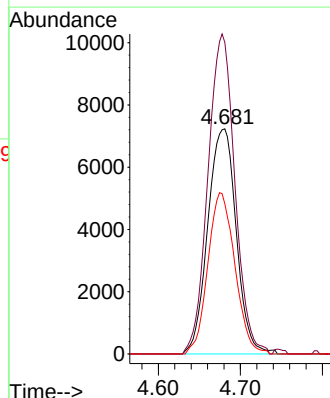
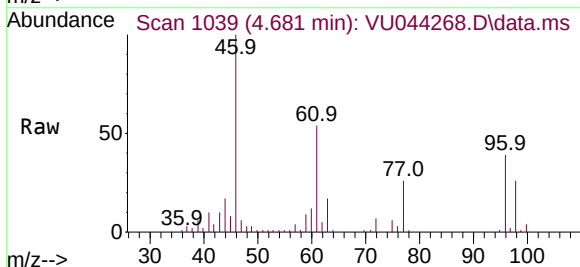
RT: 4.681 min Scan# 1039

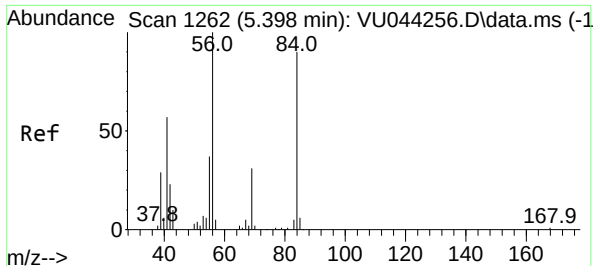
Delta R.T. 0.003 min

Lab File: VU044268.D

Acq: 30 Jun 2021 18:27

Tgt Ion: 96	Resp: 17487
Ion Ratio	Lower Upper
96 100	
61 138.4	98.8 183.6
98 66.7	44.8 83.2





#30

Cyclohexane

Concen: 0.190 ug/L

RT: 5.395 min Scan# 1261

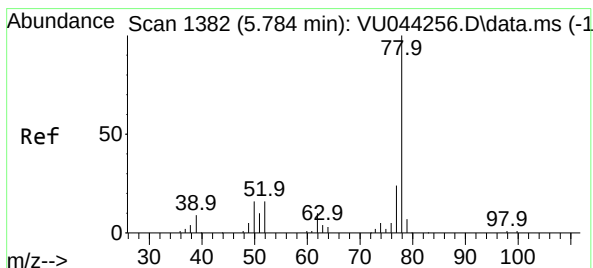
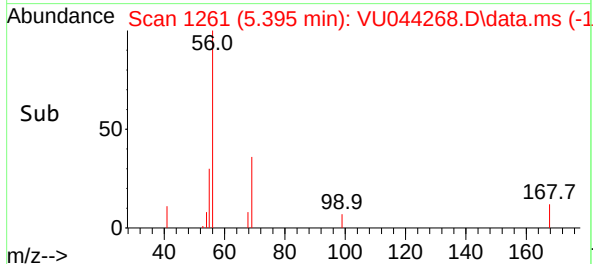
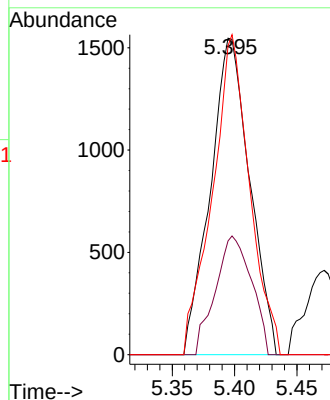
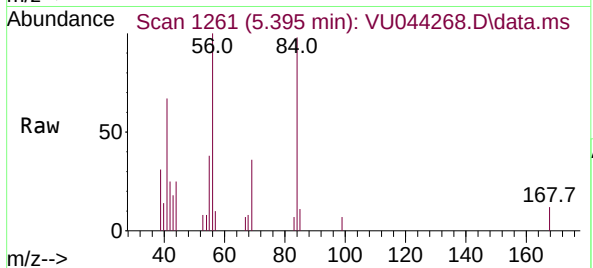
Delta R.T. -0.003 min

Lab File: VU044268.D

Acq: 30 Jun 2021 18:27

Instrument :
MSVOA_U
ClientSampled :
DBK35

Tgt Ion: 56	Resp: 3392
Ion Ratio	Lower Upper
56	100
69	34.5 24.8 37.2
84	95.3 67.8 101.8



#33

Benzene

Concen: 8.329 ug/L

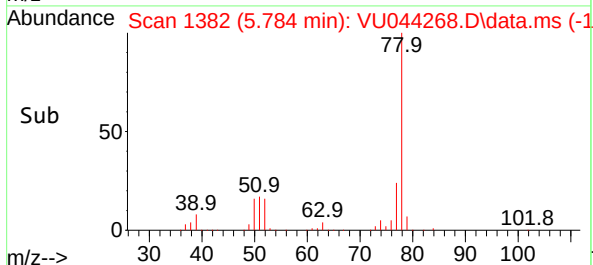
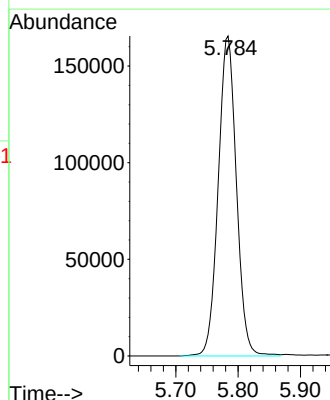
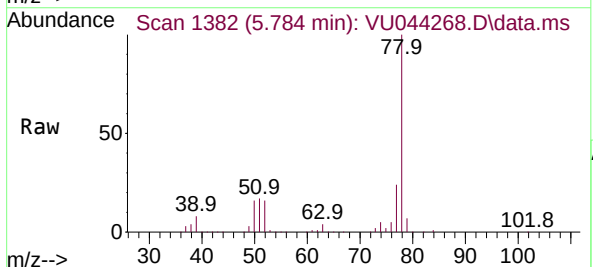
RT: 5.784 min Scan# 1382

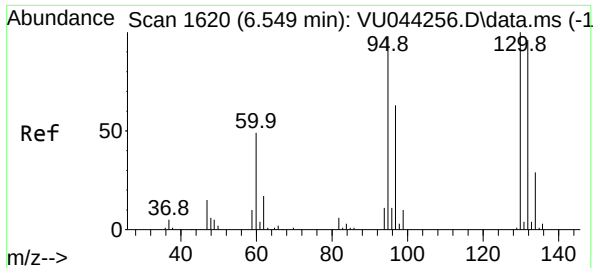
Delta R.T. 0.000 min

Lab File: VU044268.D

Acq: 30 Jun 2021 18:27

Tgt Ion: 78 Resp: 335026



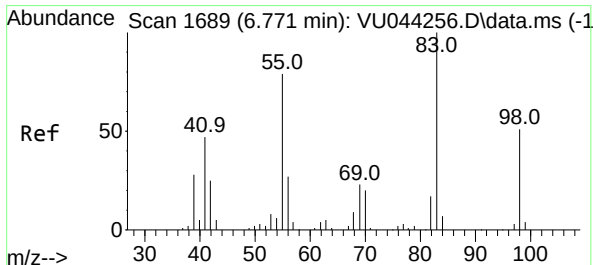
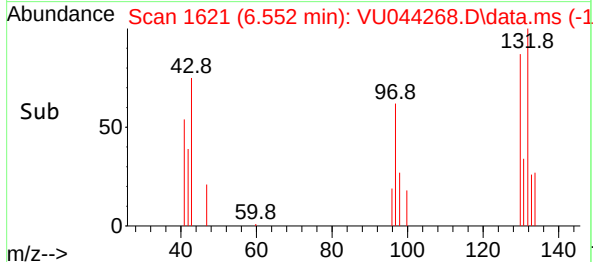
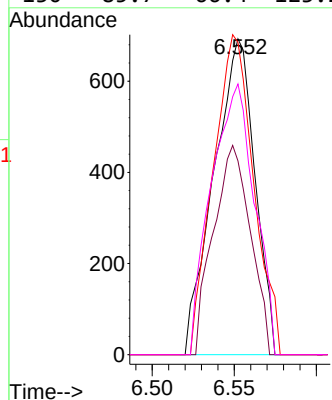
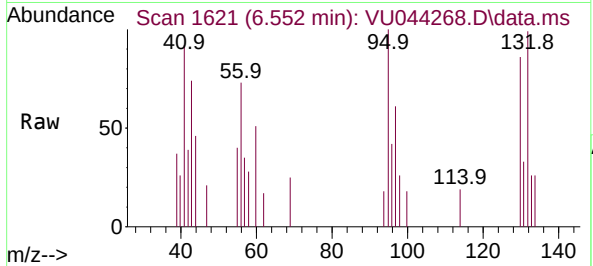


#34
Trichloroethene
Concen: 0.110 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.003 min
Lab File: VU044268.D
Acq: 30 Jun 2021 18:27

Instrument :
MSVOA_U
ClientSampleId :
DBK35

Tgt Ion: 95 Resp: 1202

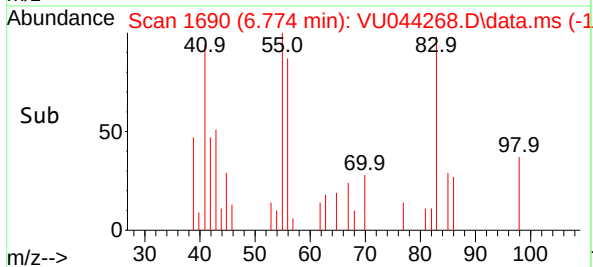
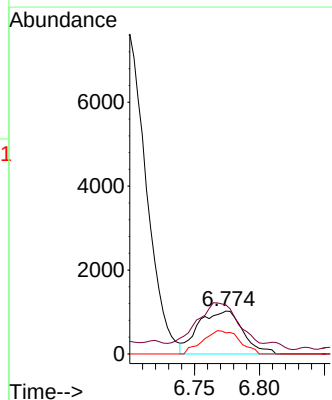
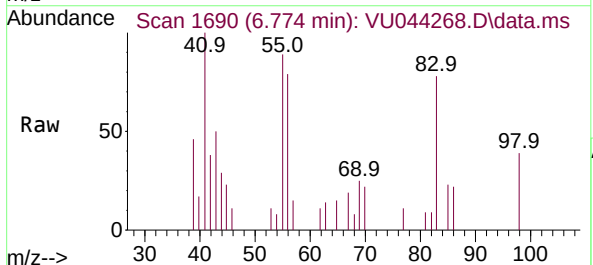
Ion	Ratio	Lower	Upper
95	100		
97	61.3	44.3	82.3
132	98.8	64.3	119.5
130	85.7	66.4	123.2

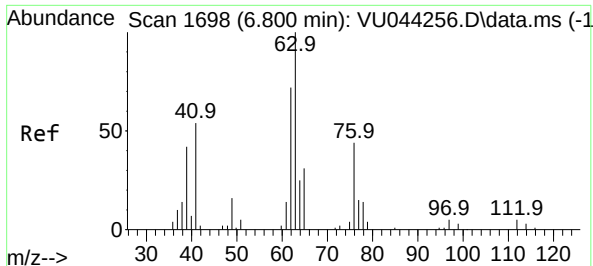


#35
Methylcyclohexane
Concen: 0.135 ug/L
RT: 6.774 min Scan# 1690
Delta R.T. 0.003 min
Lab File: VU044268.D
Acq: 30 Jun 2021 18:27

Tgt Ion: 83 Resp: 2435

Ion	Ratio	Lower	Upper
83	100		
55	82.0	63.4	95.0
98	45.0	39.4	59.0



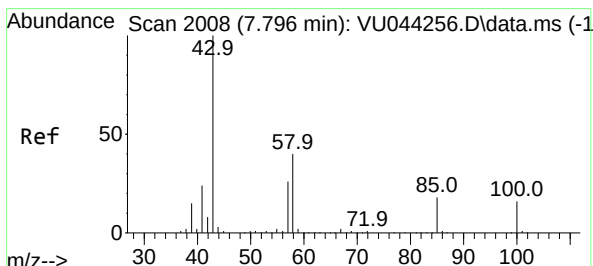
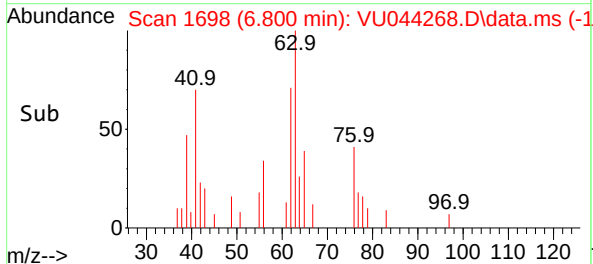
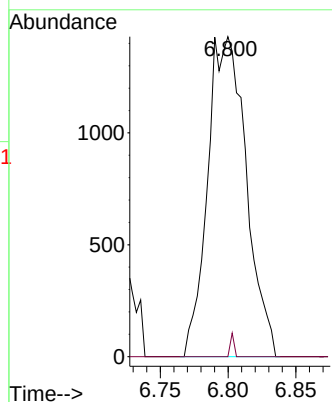
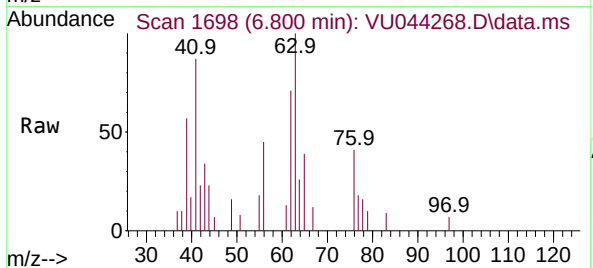


#37

1,2-Dichloropropane
Concen: 0.267 ug/L
RT: 6.800 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VU044268.D
Acq: 30 Jun 2021 18:27

Instrument :
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ClientSampled :
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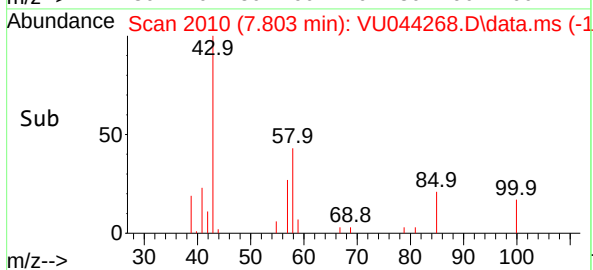
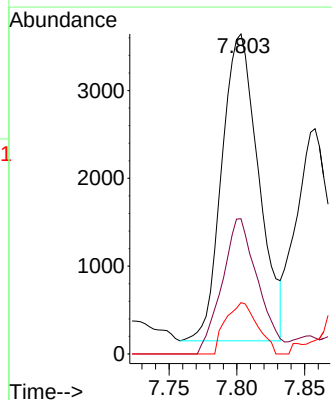
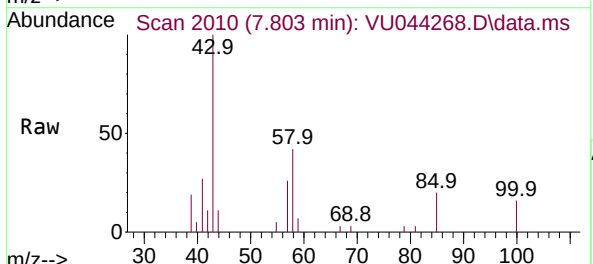
Tgt Ion: 63 Resp: 2832
Ion Ratio Lower Upper
63 100
112 0.7 3.5 5.3#

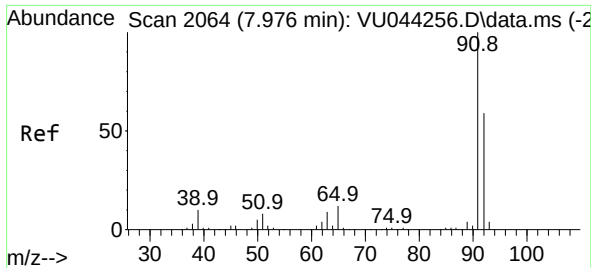


#40

4-Methyl-2-pentanone
Concen: 0.773 ug/L
RT: 7.803 min Scan# 2010
Delta R.T. 0.007 min
Lab File: VU044268.D
Acq: 30 Jun 2021 18:27

Tgt Ion: 43 Resp: 6601
Ion Ratio Lower Upper
43 100
58 42.9 31.2 46.8
100 0.0 12.3 18.5#

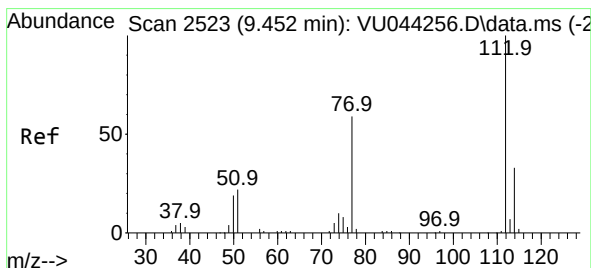
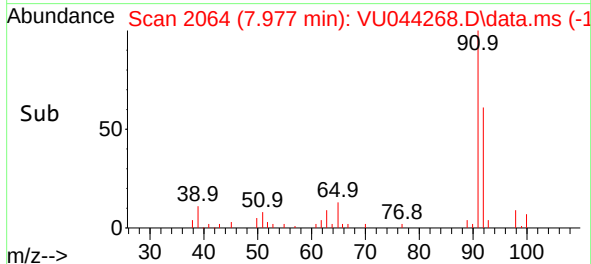
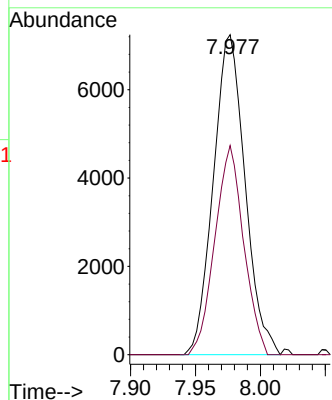
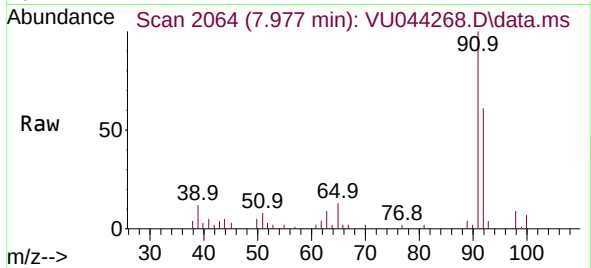




#42
Toluene
Concen: 0.278 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU044268.D
Acq: 30 Jun 2021 18:27

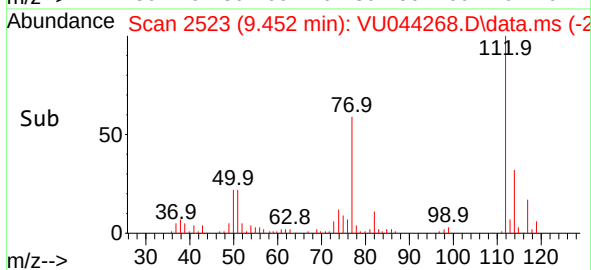
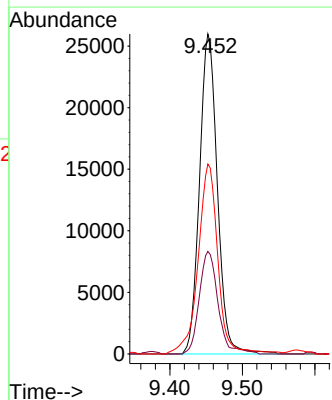
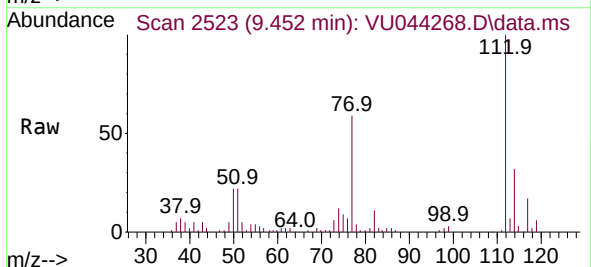
Instrument :
MSVOA_U
ClientSampled :
DBK35

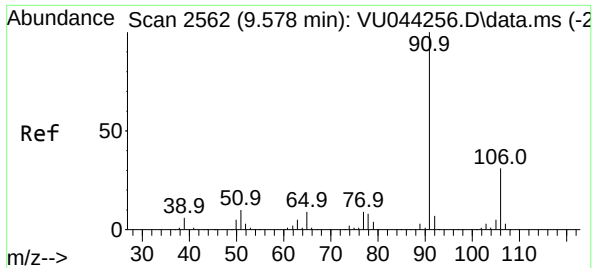
Tgt Ion: 91 Resp: 12295
Ion Ratio Lower Upper
91 100
92 65.4 41.2 76.6



#51
Chlorobenzene
Concen: 1.568 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. 0.000 min
Lab File: VU044268.D
Acq: 30 Jun 2021 18:27

Tgt Ion: 112 Resp: 44482
Ion Ratio Lower Upper
112 100
114 32.1 22.0 41.0
77 59.4 48.9 73.3

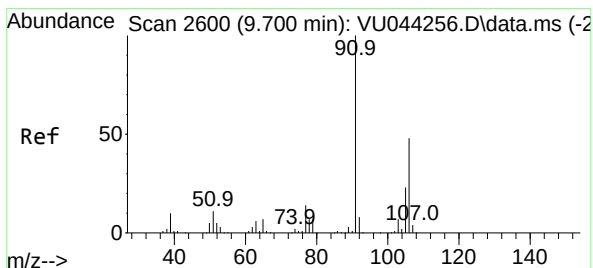
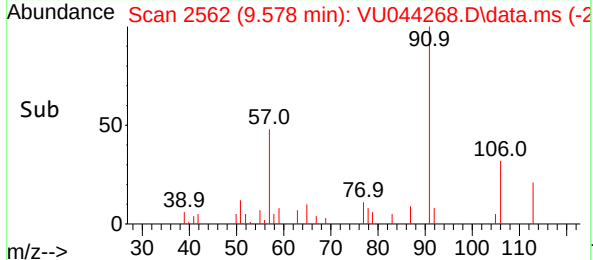
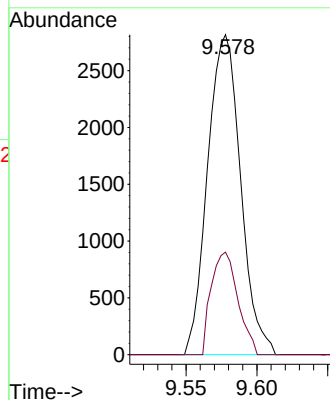
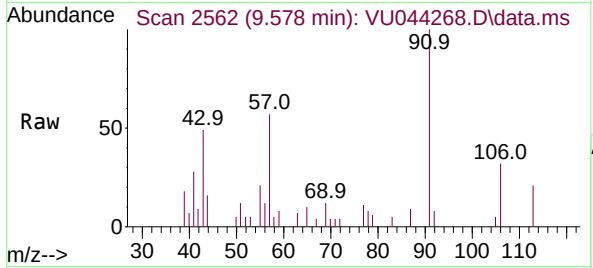




#52
Ethylbenzene
Concen: 0.089 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. 0.000 min
Lab File: VU044268.D
Acq: 30 Jun 2021 18:27

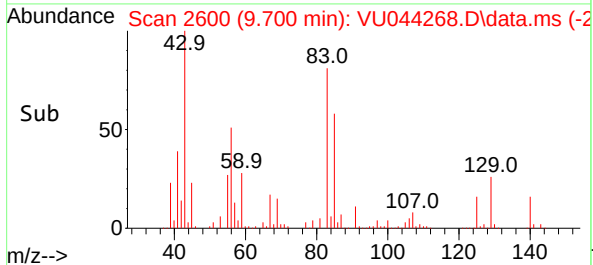
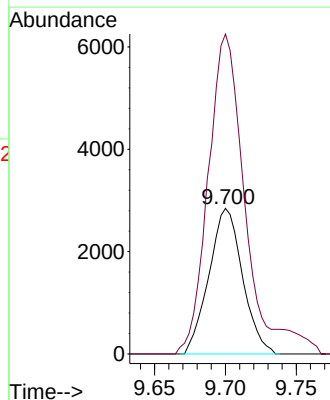
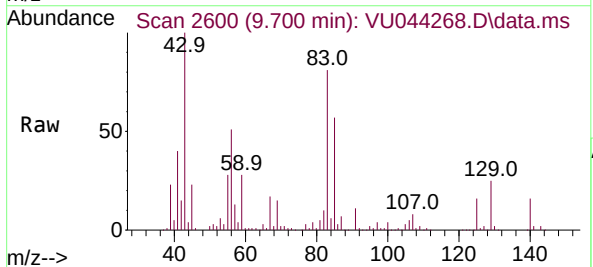
Instrument :
MSVOA_U
ClientSampled :
DBK35

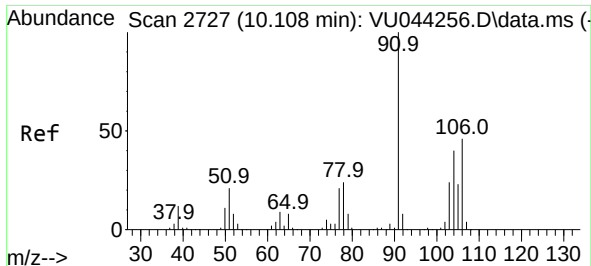
Tgt Ion: 91 Resp: 4566
Ion Ratio Lower Upper
91 100
106 32.1 21.6 40.2



#53
m,p-Xylene
Concen: 0.242 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.000 min
Lab File: VU044268.D
Acq: 30 Jun 2021 18:27

Tgt Ion: 106 Resp: 4690
Ion Ratio Lower Upper
106 100
91 219.9 144.8 269.0

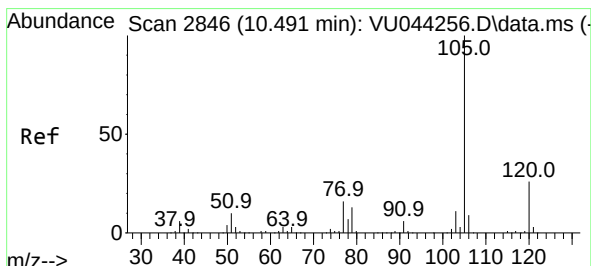
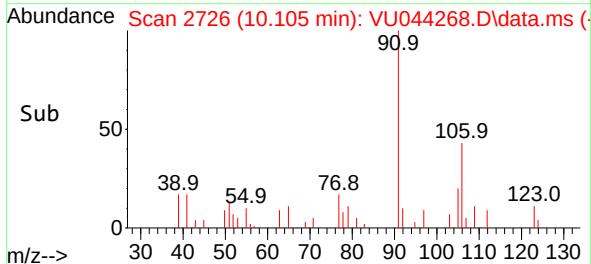
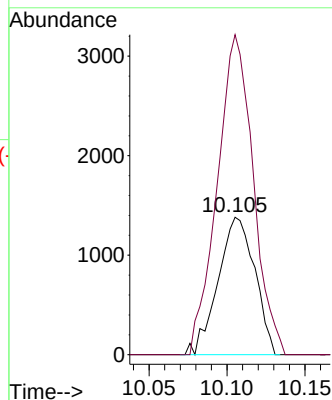
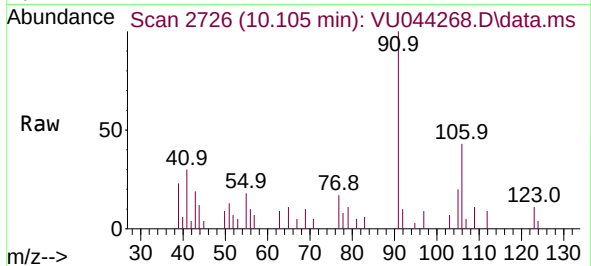




#54
o-Xylene
Concen: 0.120 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU044268.D
Acq: 30 Jun 2021 18:27

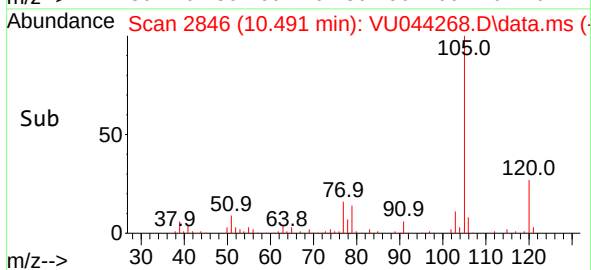
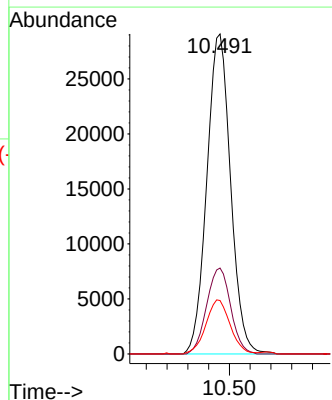
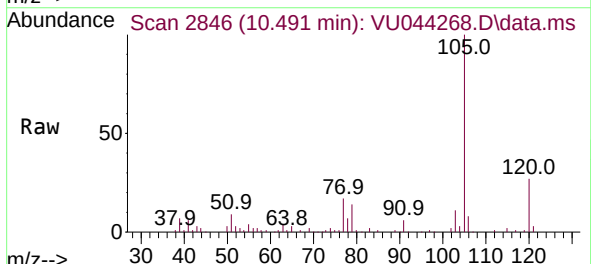
Instrument :
MSVOA_U
ClientSampleId :
DBK35

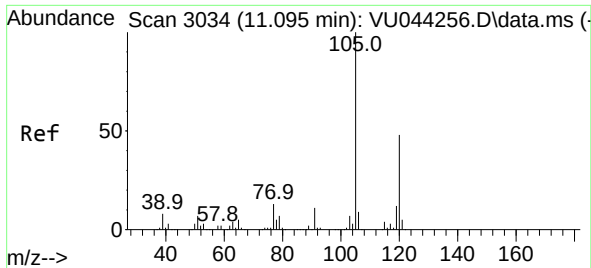
Tgt Ion:106 Resp: 2262
Ion Ratio Lower Upper
106 100
91 232.9 154.8 287.4



#60
Isopropylbenzene
Concen: 0.879 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. 0.000 min
Lab File: VU044268.D
Acq: 30 Jun 2021 18:27

Tgt Ion:105 Resp: 46100
Ion Ratio Lower Upper
105 100
120 27.1 20.7 31.1
77 17.3 12.9 19.3

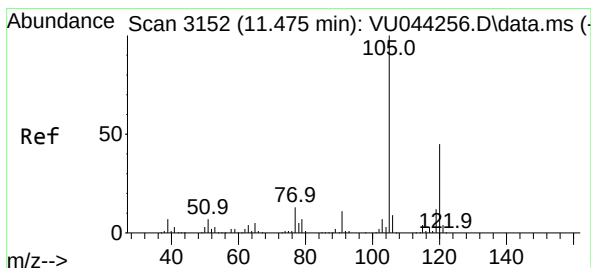
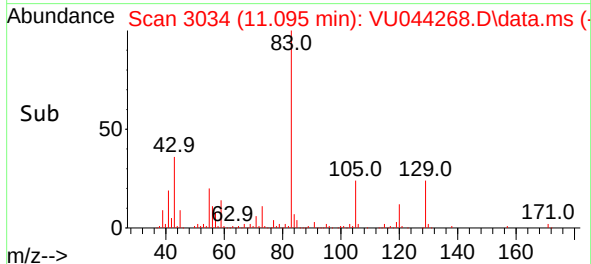
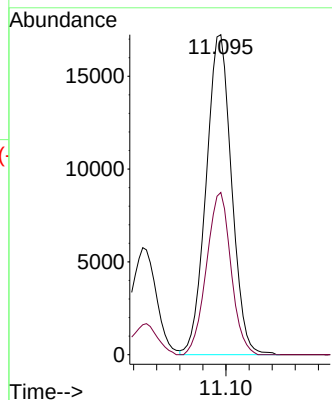
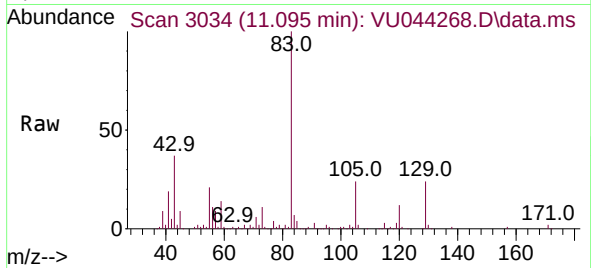




#62
1,3,5-Trimethylbenzene
Concen: 0.577 ug/L
RT: 11.095 min Scan# 3034
Delta R.T. 0.000 min
Lab File: VU044268.D
Acq: 30 Jun 2021 18:27

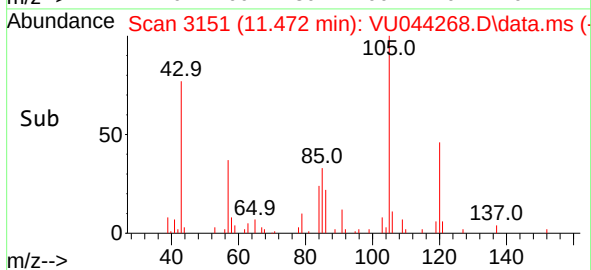
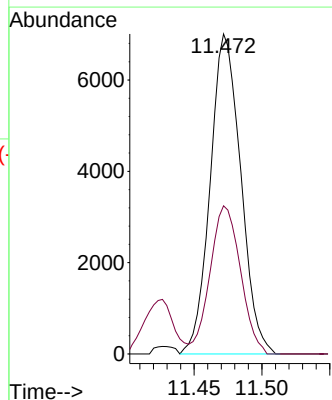
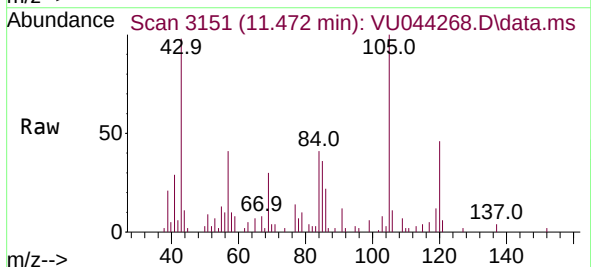
Instrument :
MSVOA_U
ClientSampleId :
DBK35

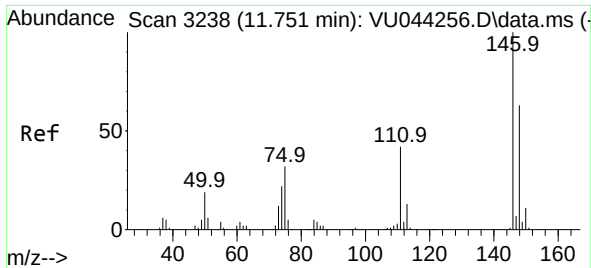
Tgt Ion:105 Resp: 26370
Ion Ratio Lower Upper
105 100
120 48.7 38.0 57.0



#63
1,2,4-Trimethylbenzene
Concen: 0.235 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VU044268.D
Acq: 30 Jun 2021 18:27

Tgt Ion:105 Resp: 10968
Ion Ratio Lower Upper
105 100
120 46.1 35.6 53.4

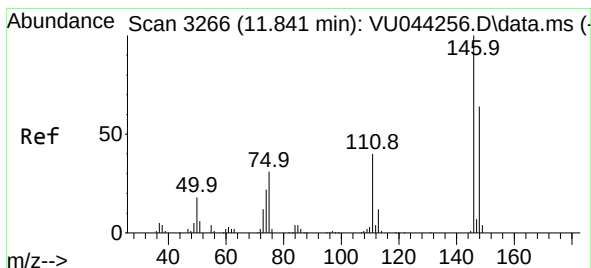
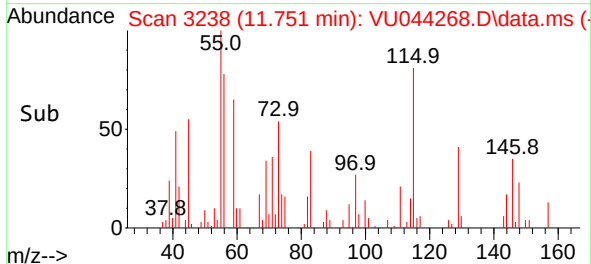
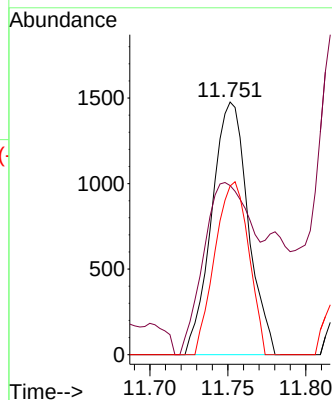
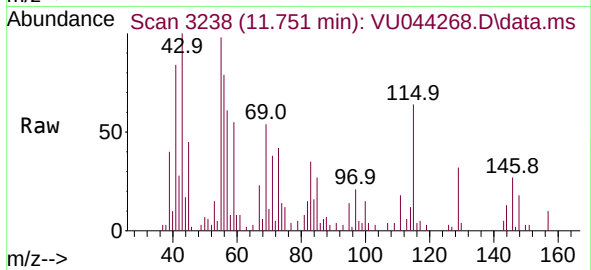




#64
1,3-Dichlorobenzene
Concen: 0.101 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.000 min
Lab File: VU044268.D
Acq: 30 Jun 2021 18:27

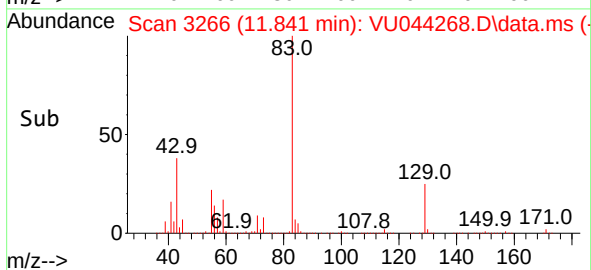
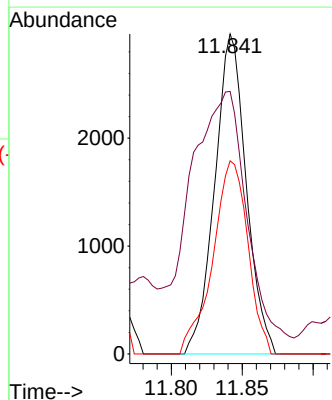
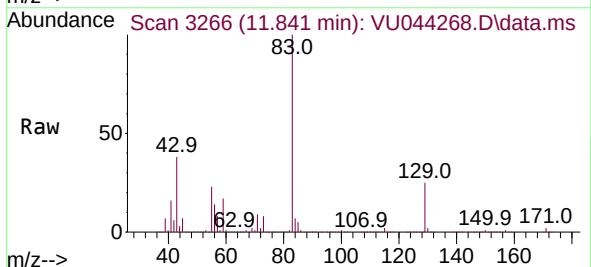
Instrument :
MSVOA_U
ClientSampled :
DBK35

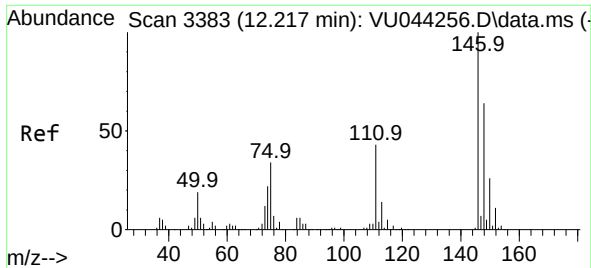
Tgt Ion:146 Resp: 2401
Ion Ratio Lower Upper
146 100
111 66.9 29.8 55.3#
148 66.8 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 0.192 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU044268.D
Acq: 30 Jun 2021 18:27

Tgt Ion:146 Resp: 4582
Ion Ratio Lower Upper
146 100
111 82.0 28.2 52.4#
148 60.4 45.1 83.9





#67
 1,2-Dichlorobenzene
 Concen: 0.190 ug/L
 RT: 12.218 min Scan# 3383
 Delta R.T. 0.000 min
 Lab File: VU044268.D
 Acq: 30 Jun 2021 18:27

Instrument :
 MSVOA_U
 ClientSampleId :
 DBK35

Tgt Ion:146 Resp: 4228
 Ion Ratio Lower Upper
 146 100
 111 56.6 35.0 52.6#
 148 66.2 51.2 76.8

