

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063021\
 Data File : VU044266.D
 Acq On : 30 Jun 2021 17:39
 Operator : SY/MD
 Sample : M2905-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBK33

Manual Integrations
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MMDadoda
 7/1/2021 1:30:07 PM

Quant Time: Jul 01 02:39:38 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	138462	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	131097	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	73130	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	35253	4.703	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.000%
7) Chloroethane-d5	1.919	69	36570	4.954	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.000%
11) 1,1-Dichloroethene-d2	2.575	65	19016	4.942	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.800%
20) 2-Butanone-d5	4.649	46	109783	39.768	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.540%
24) Chloroform-d	5.073	84	88847	5.265	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.200%
26) 1,2-Dichloroethane-d4	5.713	65	49777	4.934	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
32) Benzene-d6	5.735	84	176154	5.410	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.200%
36) 1,2-Dichloropropane-d6	6.697	67	56444	5.349	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.000%
41) Toluene-d8	7.906	98	165700	5.484	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.600%
43) trans-1,3-Dichloroprop...	8.185	79	23937	4.891	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.800%
46) 2-Hexanone-d5	8.639	63	116352	49.911	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.820%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	50866	5.422	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.400%
66) 1,2-Dichlorobenzene-d4	12.201	152	73504	6.100	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	122.000%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.610	62	23636	2.416	ug/L	88
8) Chloroethane	1.941	64	4367	0.656	ug/L #	74
13) Acetone	2.662	43	9805m	7.944	ug/L	
18) trans-1,2-Dichloroethene	3.362	96	15282	1.796	ug/L	96
19) 1,1-Dichloroethane	3.883	63	23740	1.463	ug/L	98
22) cis-1,2-Dichloroethene	4.678	96	3066	0.329	ug/L	89
30) Cyclohexane	5.398	56	3104	0.204	ug/L	96
33) Benzene	5.784	78	226810	6.595	ug/L	100
34) Trichloroethene	6.552	95	1262m	0.135	ug/L	
37) 1,2-Dichloropropane	6.800	63	4700	0.517	ug/L #	92
42) Toluene	7.976	91	8200	0.217	ug/L	97
47) Tetrachloroethene	8.558	164	912	0.132	ug/L	94
51) Chlorobenzene	9.452	112	115467	4.760	ug/L	98
52) Ethylbenzene	9.578	91	3879	0.089	ug/L	95
54) o-Xylene	10.105	106	1077	0.067	ug/L	87
60) Isopropylbenzene	10.491	105	69523	1.563	ug/L	98
63) 1,2,4-Trimethylbenzene	11.475	105	3671m	0.093	ug/L	
64) 1,3-Dichlorobenzene	11.751	146	3663	0.182	ug/L #	80
65) 1,4-Dichlorobenzene	11.841	146	18116	0.895	ug/L #	85

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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)
67) 1,2-Dichlorobenzene	12.221	146	11400	0.604	ug/L	94

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

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TIC: VU044266.D\data.ms

Abundance

Time-->

1.9e+07

1.8e+07

1.7e+07

1.6e+07

1.5e+07

1.4e+07

1.3e+07

1.2e+07

1.1e+07

1e+07

9000000

8000000

7000000

6000000

5000000

4000000

3000000

2000000

1000000

0

2.00

3.00

4.00

5.00

6.00

7.00

8.00

9.00

10.00

11.00

12.00

13.00

14.00

15.00

16.00

17.00

Vinyl Chloride-d3, S

Chloroethane, T15, S

trans-1,2-Dichloroethene, T

1,1-Dichloroethane, T

Acetone, I

trans-1,2-Dichloroethene, T

1,1-Dichloroethane, T

2,2,4,4-Tetrafluorobutane, T

2,2,3,3-Tetrafluorobutane, T

Chloroform-d, S

Cyclohexane, T

1,2-Dichloroethane-d4, S

1,2-Dichloroethane, I

1,4-Difluorobenzene, I

Trichloroethene, T

1,2-Dichloropropane-d6, S

1,2-Dichloropropane, I

Toluene-d8, S

Toluene, I

trans-1,3-Dichloropropene-d4, S

Tetrachloroethene, T

Hexane-d5, S

Chlorobenzene, T15, I

Ethylbenzene, I

o-Xylene, T

Isopropylbenzene

1,1,2,2-Tetrachloroethane-d2, S

1,2,4-Trimethylbenzene

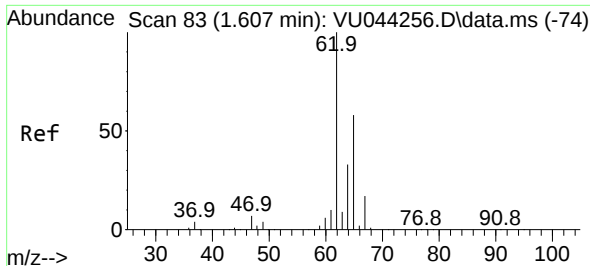
1,3-Dichlorobenzene, I

1,2-Dichlorobenzene, T

1,2-Dichlorobenzene, I

1,2-Dichlorobenzene, T

1,4-Dichlorobenzene, T



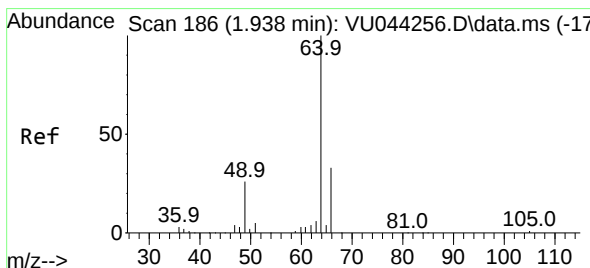
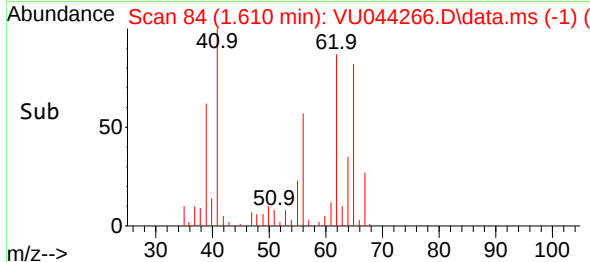
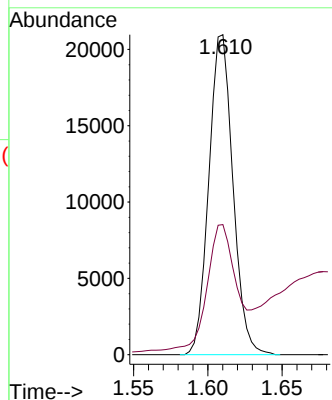
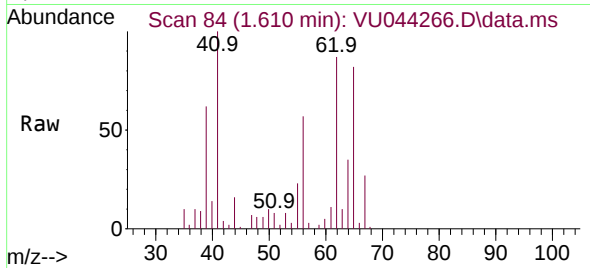
#5
 Vinyl chloride
 Concen: 2.416 ug/L
 RT: 1.610 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VU044266.D
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Tgt Ion: 62 Resp: 23636
 Ion Ratio Lower Upper
 62 100
 64 40.6 23.7 44.1

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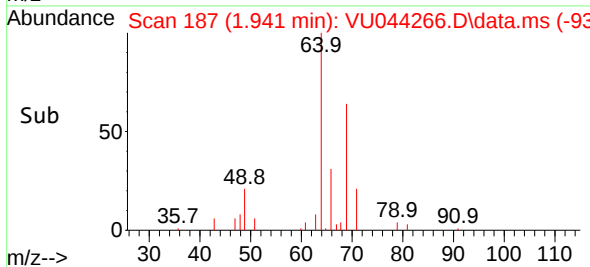
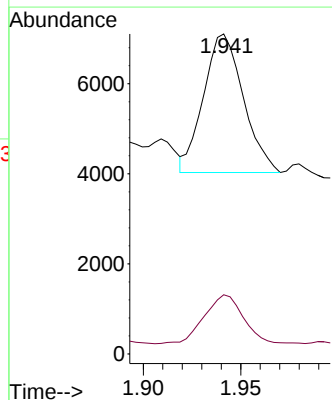
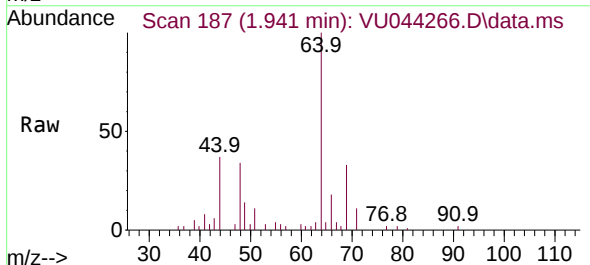
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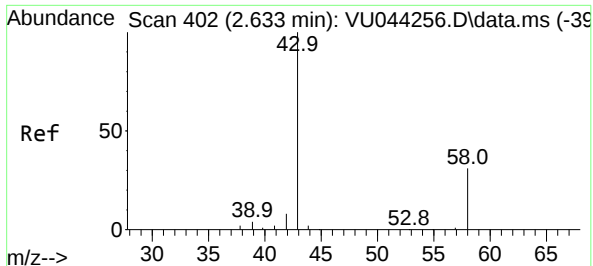
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#8
 Chloroethane
 Concen: 0.656 ug/L
 RT: 1.941 min Scan# 187
 Delta R.T. 0.003 min
 Lab File: VU044266.D
 Acq: 30 Jun 2021 17:39

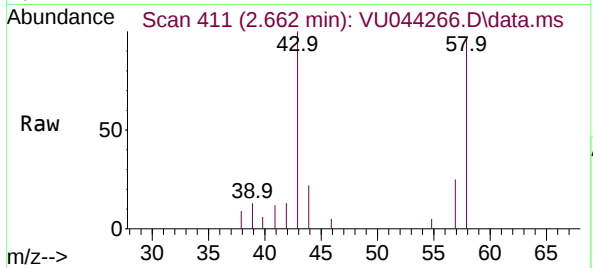
Tgt Ion: 64 Resp: 4367
 Ion Ratio Lower Upper
 64 100
 66 17.8 22.7 42.3#





#13
Acetone
Concen: 7.944 ug/L m
RT: 2.662 min Scan# 411
Delta R.T. 0.029 min
Lab File: VU044266.D
Acq: 30 Jun 2021 17:39

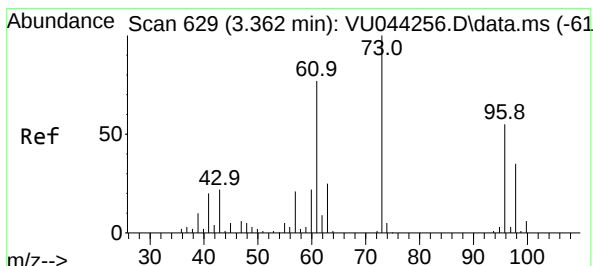
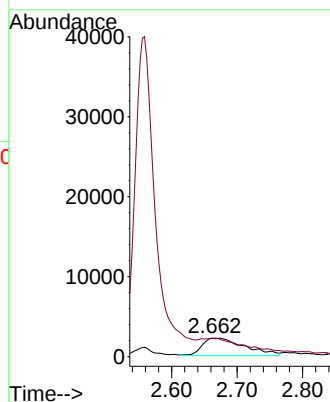
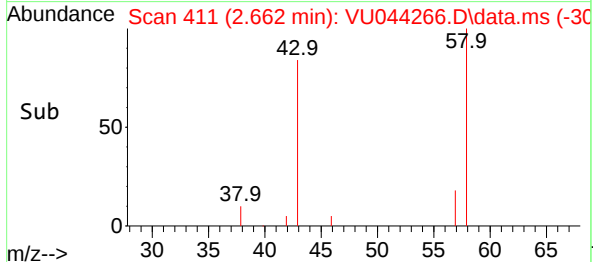
Instrument :
MSVOA_U
ClientSampleId :
DBK33



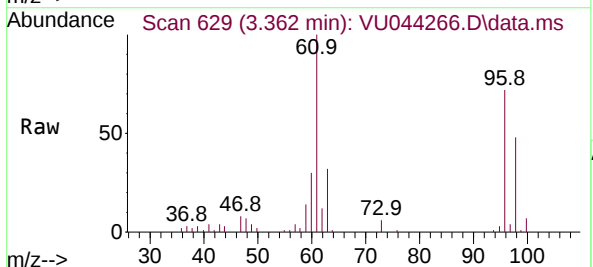
Tgt Ion: 43 Resp: 9805
Ion Ratio Lower Upper
43 100
58 0.0 0.0 53.8

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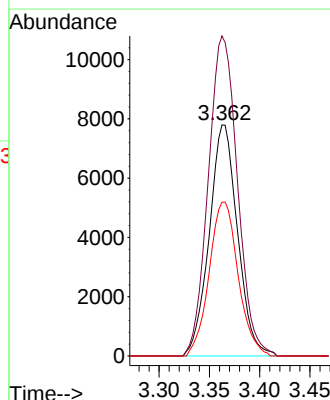
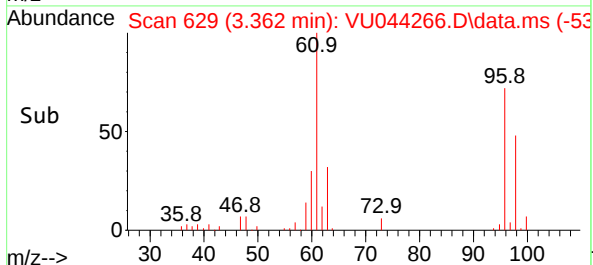
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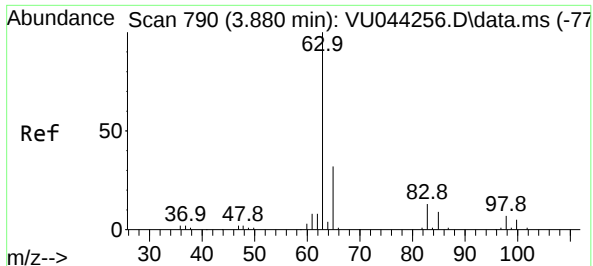


#18
trans-1,2-Dichloroethene
Concen: 1.796 ug/L
RT: 3.362 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU044266.D
Acq: 30 Jun 2021 17:39



Tgt Ion: 96 Resp: 15282
Ion Ratio Lower Upper
96 100
61 138.5 100.2 186.2
98 66.6 44.9 83.5





#19

1,1-Dichloroethane

Concen: 1.463 ug/L

RT: 3.883 min Scan# 791

Delta R.T. 0.003 min

Lab File: VU044266.D

Acq: 30 Jun 2021 17:39

Tgt Ion:	63	Resp:	23740
Ion Ratio	Lower	Upper	
63	100		
65	31.1	22.3	41.3
83	12.1	9.9	18.5

Instrument :

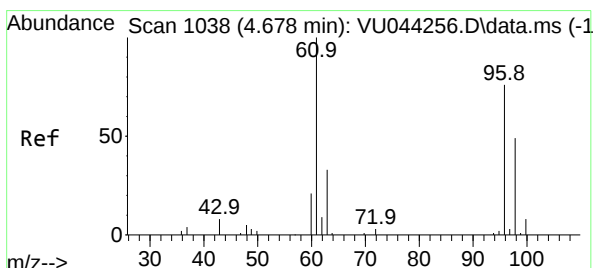
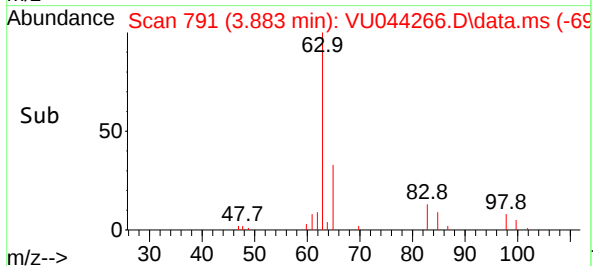
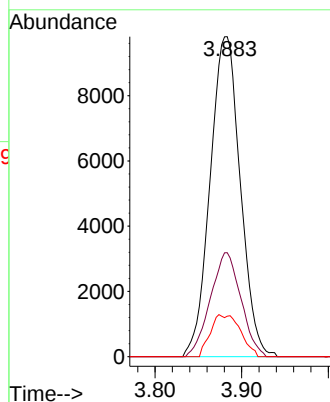
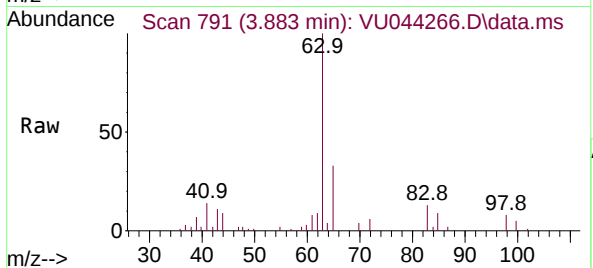
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ClientSampled :

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#22

cis-1,2-Dichloroethene

Concen: 0.329 ug/L

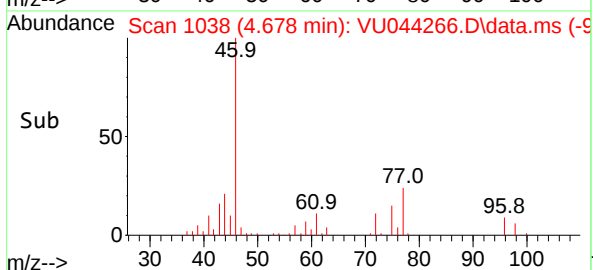
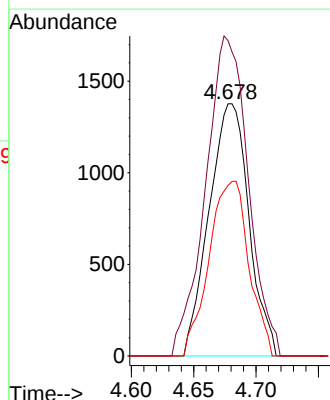
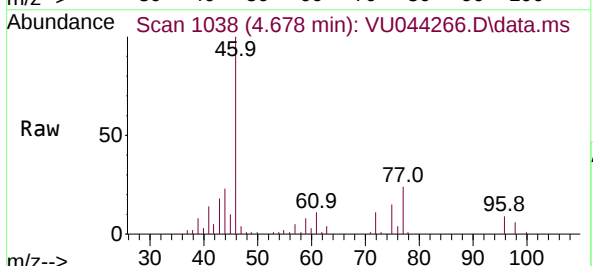
RT: 4.678 min Scan# 1038

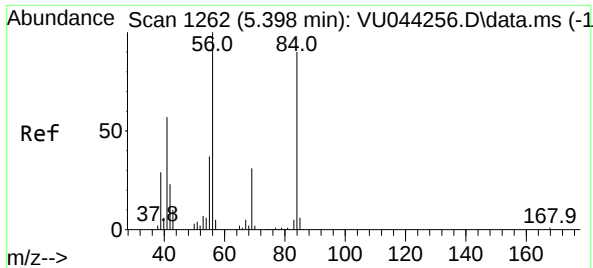
Delta R.T. 0.000 min

Lab File: VU044266.D

Acq: 30 Jun 2021 17:39

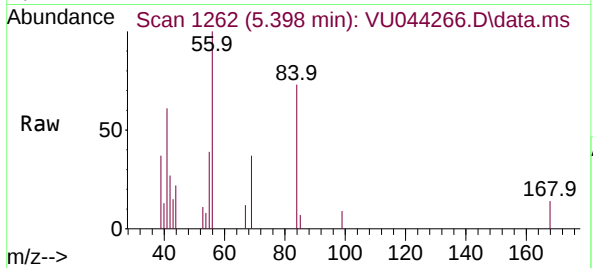
Tgt Ion:	96	Resp:	3066
Ion Ratio	Lower	Upper	
96	100		
61	125.1	98.8	183.6
98	67.6	44.8	83.2





#30
Cyclohexane
Concen: 0.204 ug/L
RT: 5.398 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VU044266.D
Acq: 30 Jun 2021 17:39

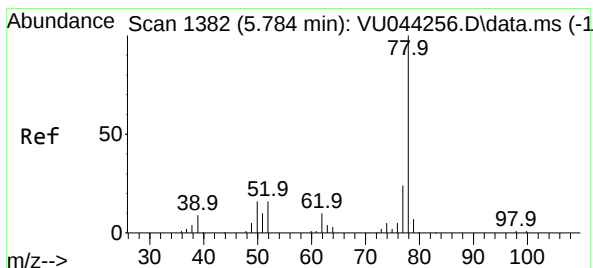
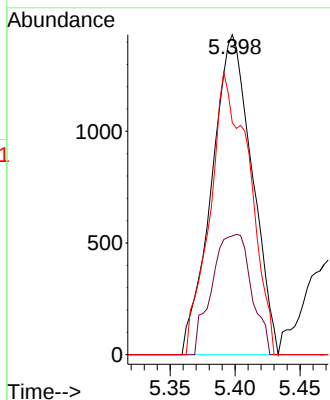
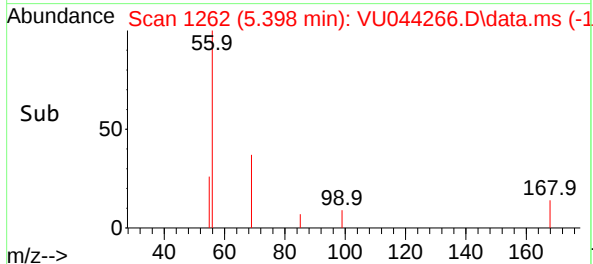
Instrument :
MSVOA_U
ClientSampled :
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Tgt Ion: 56 Resp: 3104
Ion Ratio Lower Upper
56 100
69 36.7 24.8 37.2
84 86.4 67.8 101.8

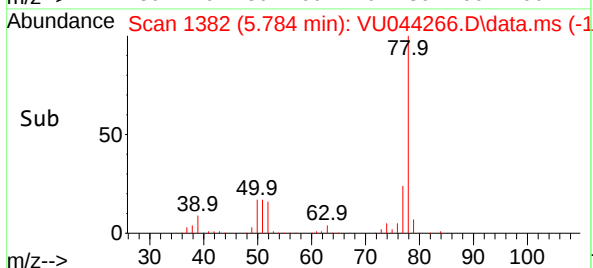
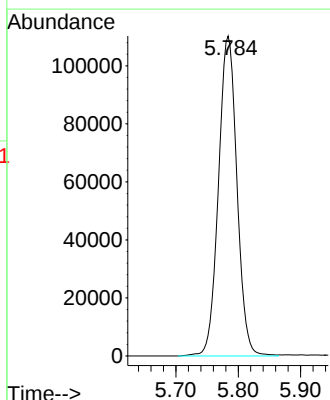
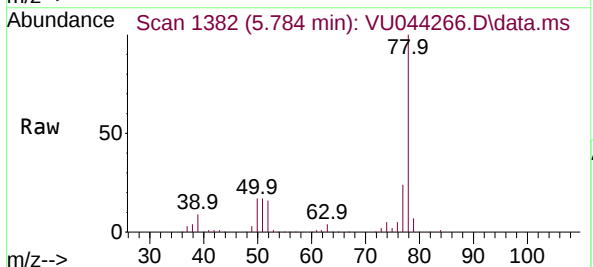
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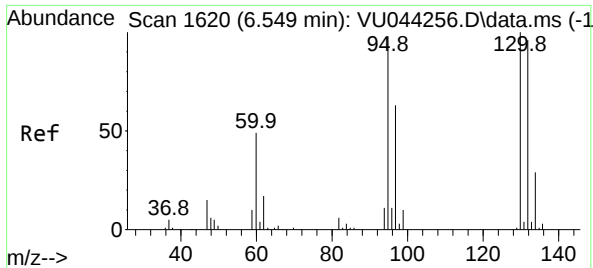
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#33
Benzene
Concen: 6.595 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VU044266.D
Acq: 30 Jun 2021 17:39

Tgt Ion: 78 Resp: 226810





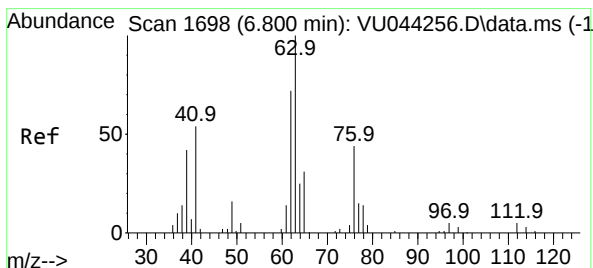
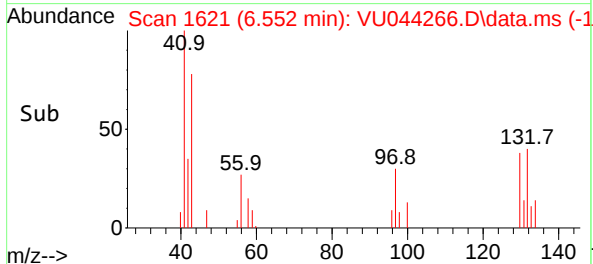
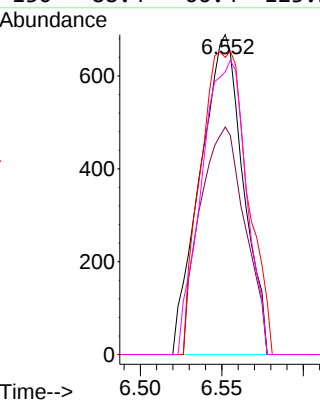
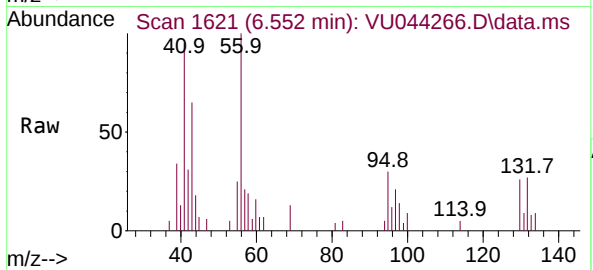
#34
Trichloroethene
Concen: 0.135 ug/L m
RT: 6.552 min Scan# 1621
Delta R.T. 0.003 min
Lab File: VU044266.D
Acq: 30 Jun 2021 17:39

Tgt Ion: 95	Resp: 1262
Ion Ratio	Lower Upper
95	100
97	71.1 44.3 82.3
132	92.9 64.3 119.5
130	88.4 66.4 123.2

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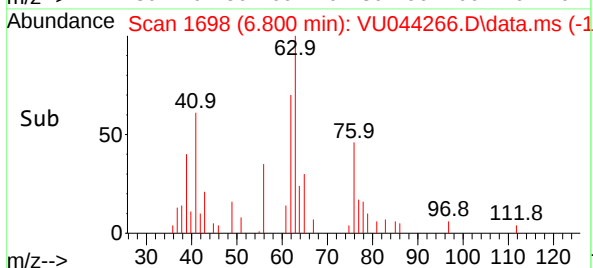
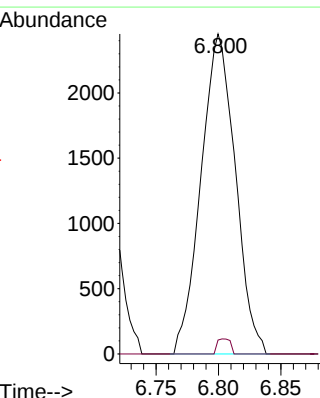
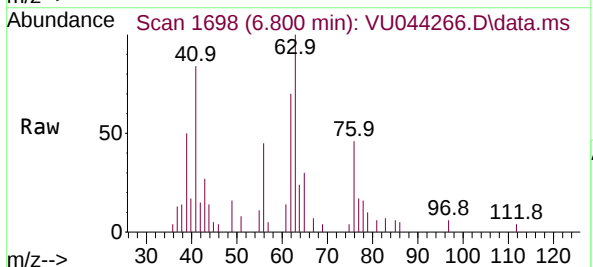
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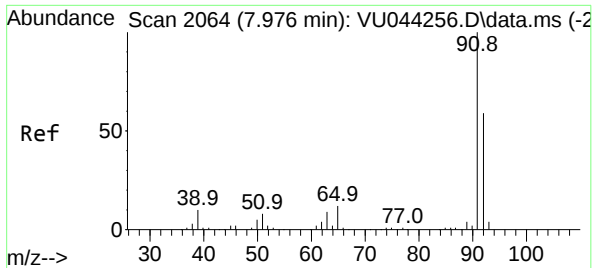
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#37
1,2-Dichloropropane
Concen: 0.517 ug/L
RT: 6.800 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VU044266.D
Acq: 30 Jun 2021 17:39

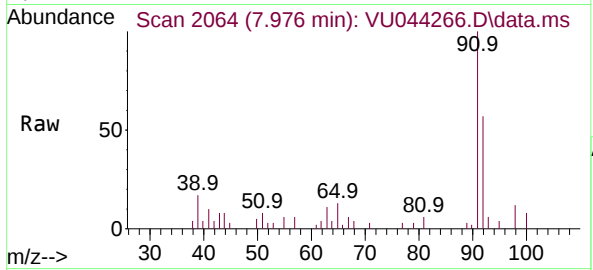
Tgt Ion: 63	Resp: 4700
Ion Ratio	Lower Upper
63	100
112	1.8 3.5 5.3#





#42
Toluene
Concen: 0.217 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU044266.D
Acq: 30 Jun 2021 17:39

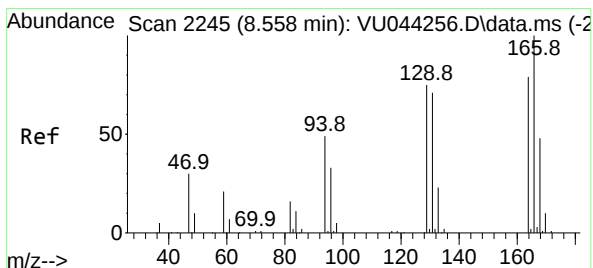
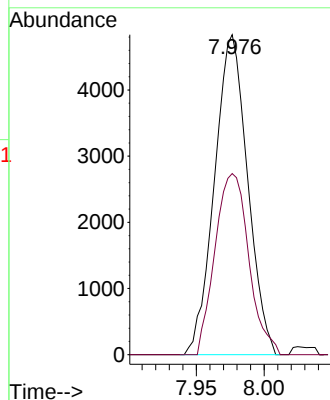
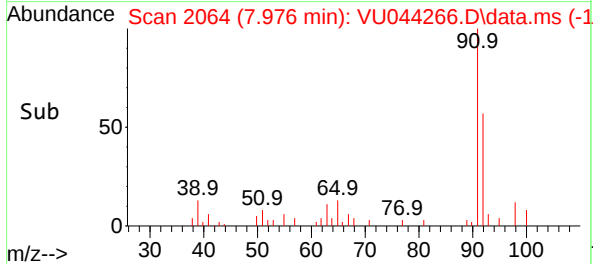
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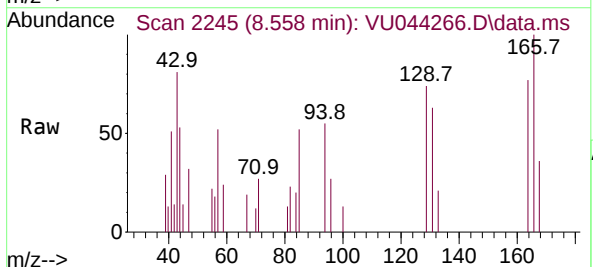
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Ion Ratio Lower Upper
91 100
92 56.6 41.2 76.6

Manual Integrations
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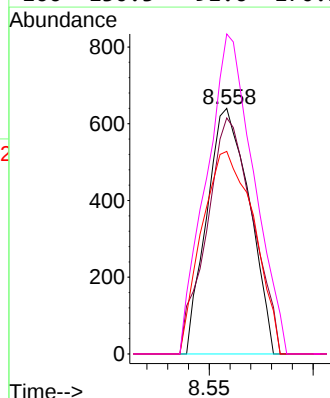
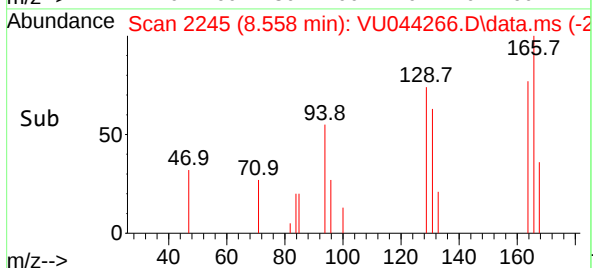
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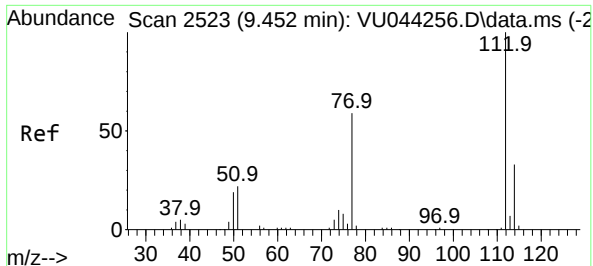


#47
Tetrachloroethene
Concen: 0.132 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU044266.D
Acq: 30 Jun 2021 17:39



Tgt Ion: 164 Resp: 912
Ion Ratio Lower Upper
164 100
129 96.1 71.8 133.4
131 82.5 66.4 123.2
166 130.3 91.6 170.2





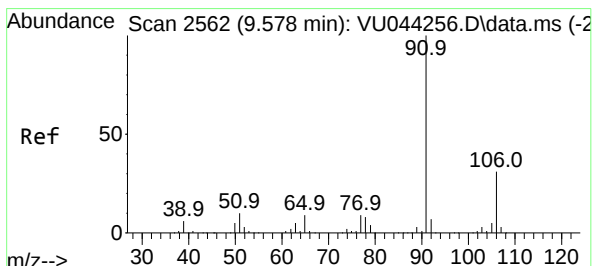
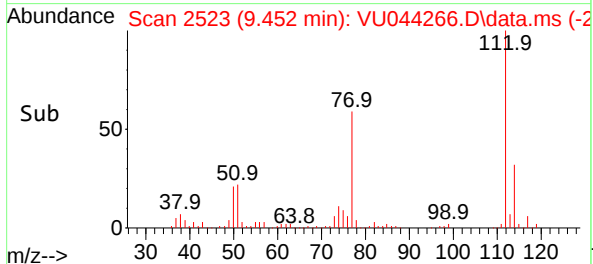
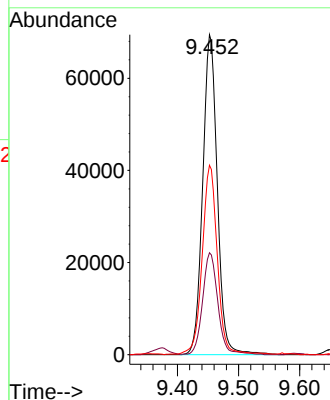
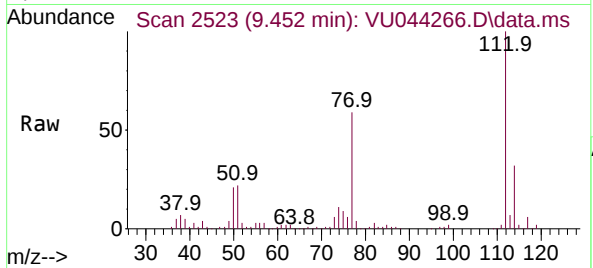
#51
Chlorobenzene
Concen: 4.760 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. 0.000 min
Lab File: VU044266.D
Acq: 30 Jun 2021 17:39

Instrument :
MSVOA_U
ClientSampled :
DBK33

Tgt Ion:112 Resp: 115467
Ion Ratio Lower Upper
112 100
114 31.8 22.0 41.0
77 59.2 48.9 73.3

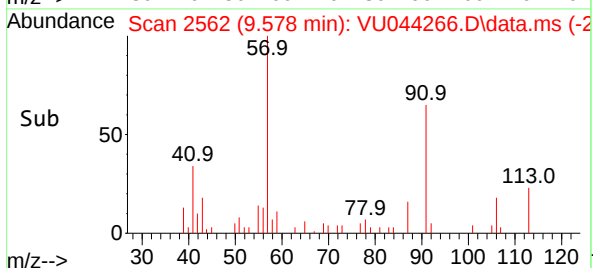
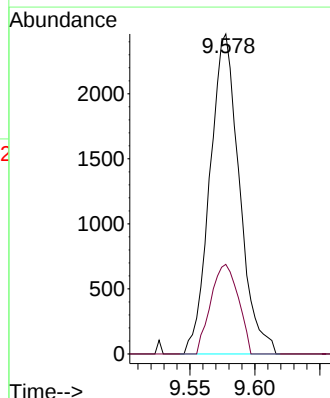
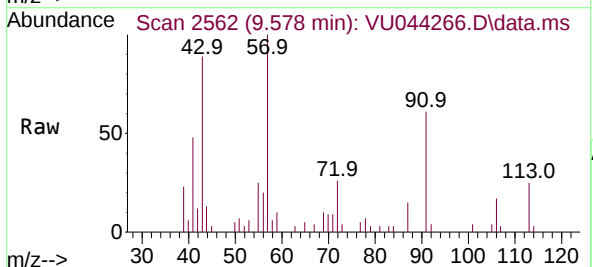
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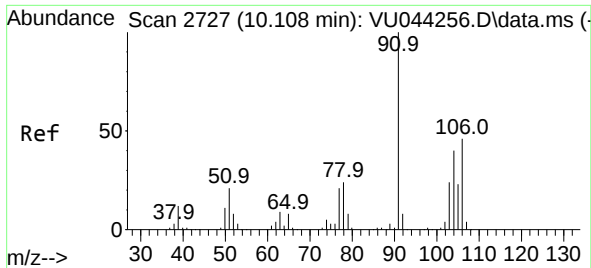
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#52
Ethylbenzene
Concen: 0.089 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. 0.000 min
Lab File: VU044266.D
Acq: 30 Jun 2021 17:39

Tgt Ion: 91 Resp: 3879
Ion Ratio Lower Upper
91 100
106 28.0 21.6 40.2





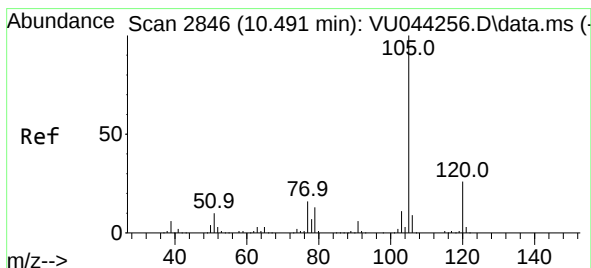
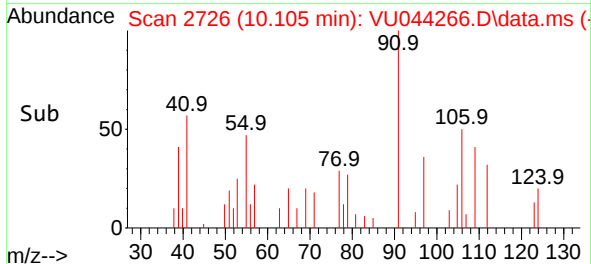
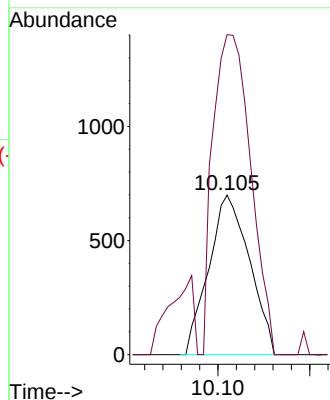
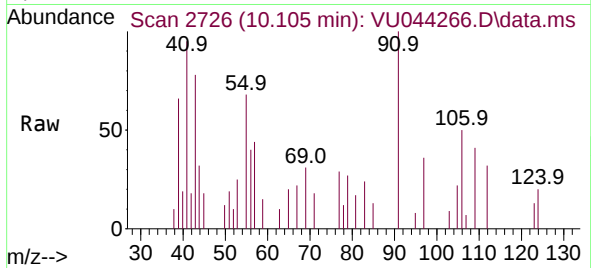
#54
o-Xylene
Concen: 0.067 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU044266.D
Acq: 30 Jun 2021 17:39

Tgt Ion:106 Resp: 1077
Ion Ratio Lower Upper
106 100
91 200.6 154.8 287.4

Instrument :
MSVOA_U
ClientSampled :
DBK33

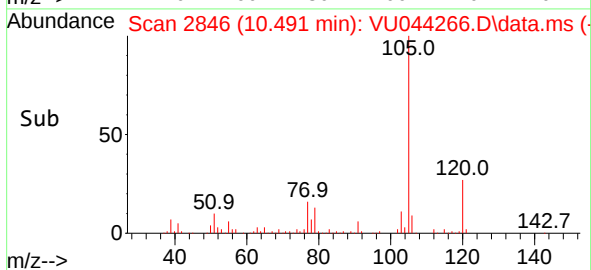
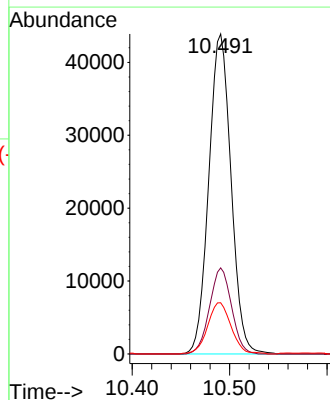
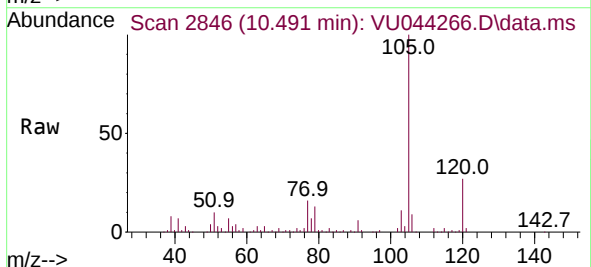
Manual Integrations
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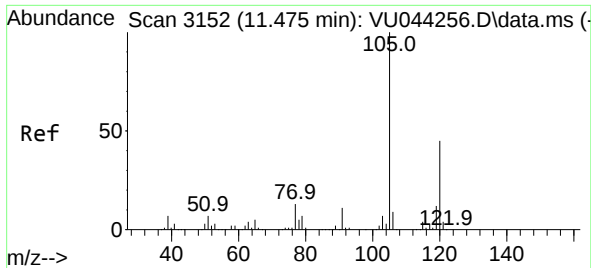
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#60
Isopropylbenzene
Concen: 1.563 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. 0.000 min
Lab File: VU044266.D
Acq: 30 Jun 2021 17:39

Tgt Ion:105 Resp: 69523
Ion Ratio Lower Upper
105 100
120 26.5 20.7 31.1
77 17.0 12.9 19.3





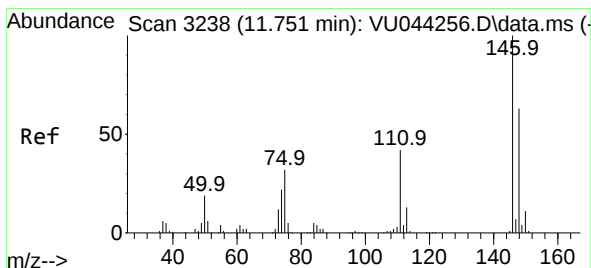
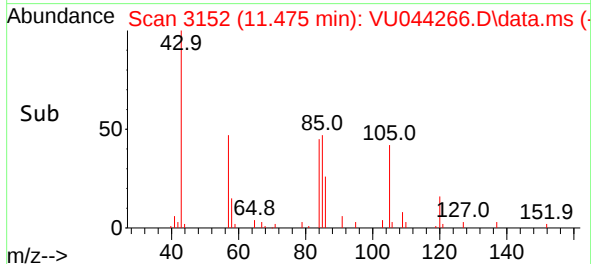
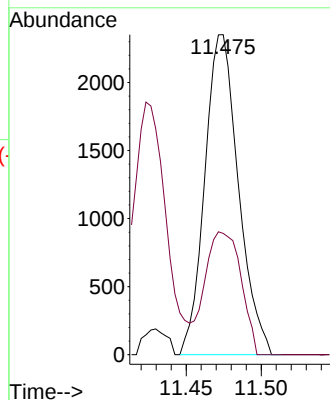
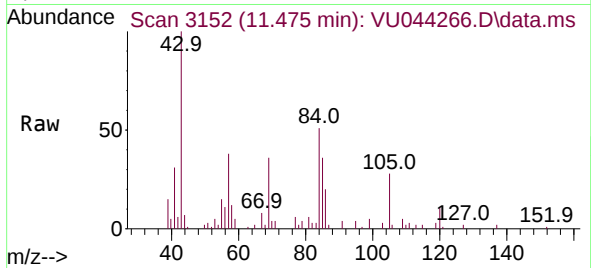
#63
1,2,4-Trimethylbenzene
Concen: 0.093 ug/L m
RT: 11.475 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VU044266.D
Acq: 30 Jun 2021 17:39

Tgt Ion:105 Resp: 3671
Ion Ratio Lower Upper
105 100
120 89.9 35.6 53.4#

Instrument :
MSVOA_U
ClientSampled :
DBK33

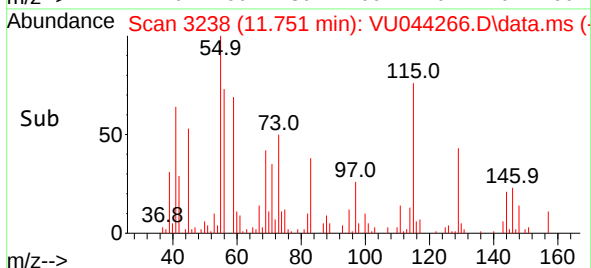
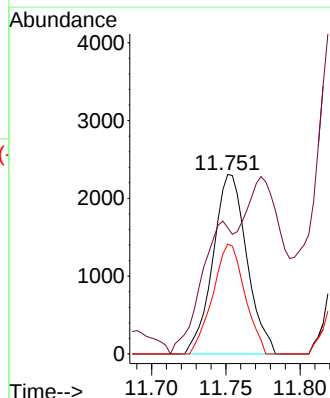
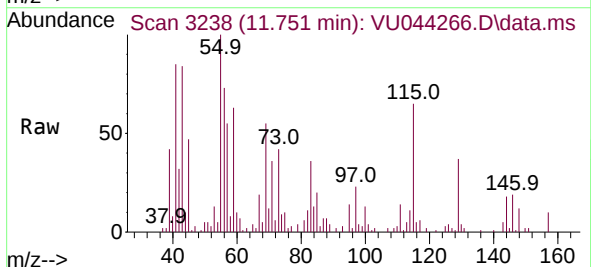
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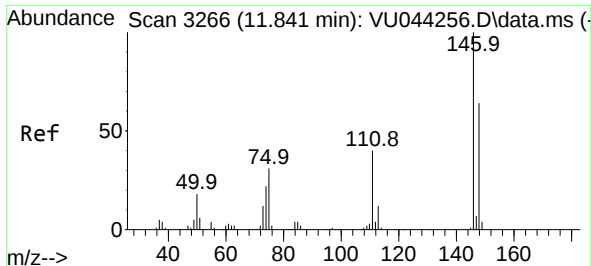
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#64
1,3-Dichlorobenzene
Concen: 0.182 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.000 min
Lab File: VU044266.D
Acq: 30 Jun 2021 17:39

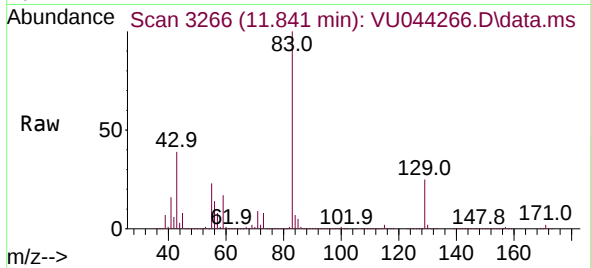
Tgt Ion:146 Resp: 3663
Ion Ratio Lower Upper
146 100
111 70.3 29.8 55.3#
148 61.2 45.8 85.2





#65
1,4-Dichlorobenzene
Concen: 0.895 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU044266.D
Acq: 30 Jun 2021 17:39

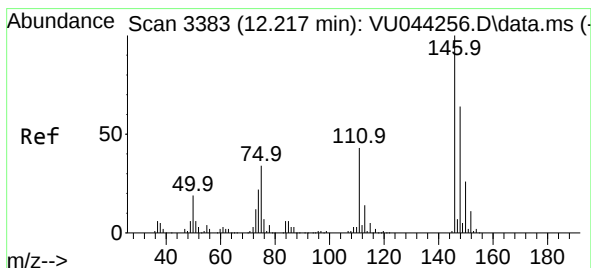
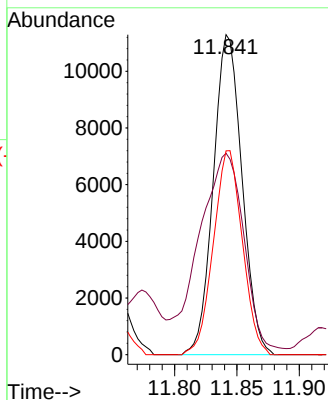
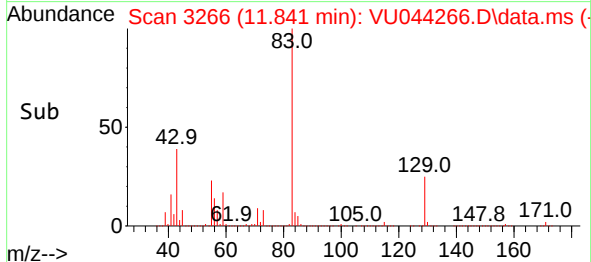
Instrument :
MSVOA_U
ClientSampled :
DBK33



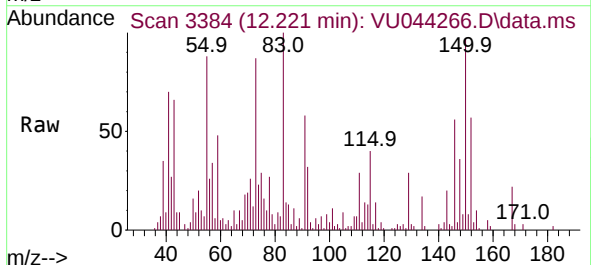
Tgt Ion:146 Resp: 18116
Ion Ratio Lower Upper
146 100
111 62.9 28.2 52.4#
148 63.7 45.1 83.9

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#67
1,2-Dichlorobenzene
Concen: 0.604 ug/L
RT: 12.221 min Scan# 3384
Delta R.T. 0.003 min
Lab File: VU044266.D
Acq: 30 Jun 2021 17:39



Tgt Ion:146 Resp: 11400
Ion Ratio Lower Upper
146 100
111 52.1 35.0 52.6
148 64.6 51.2 76.8

