

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063021\
 Data File : VU044265.D
 Acq On : 30 Jun 2021 17:14
 Operator : SY/MD
 Sample : M2905-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBK25

Quant Time: Jul 01 02:39:20 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	162813	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	154915	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	86671	5.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.604	65	34259	3.886	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.800%
7) Chloroethane-d5	1.919	69	36973	4.260	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.200%
11) 1,1-Dichloroethene-d2	2.575	65	18310	4.047	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.000%
20) 2-Butanone-d5	4.649	46	154477	47.588	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.180%
24) Chloroform-d	5.073	84	85809	4.324	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
26) 1,2-Dichloroethane-d4	5.710	65	50906	4.292	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
32) Benzene-d6	5.735	84	170892	4.441	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
36) 1,2-Dichloropropane-d6	6.700	67	56354	4.520	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.400%
41) Toluene-d8	7.906	98	162474	4.551	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.000%
43) trans-1,3-Dichloroprop...	8.186	79	23567	4.075	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.400%
46) 2-Hexanone-d5	8.642	63	126928	46.077	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.160%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	48691	4.392	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.800%
66) 1,2-Dichlorobenzene-d4	12.198	152	69792	4.887	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%

Target Compounds

						Qvalue
5) Vinyl chloride	1.607	62	2142	0.186	ug/L #	53
12) 1,1-Dichloroethene	2.588	96	5105	0.543	ug/L #	1
13) Acetone	2.658	43	2224	1.532	ug/L	67
18) trans-1,2-Dichloroethene	3.363	96	49002	4.897	ug/L	98
22) cis-1,2-Dichloroethene	4.678	96	1336292	122.050	ug/L	95
33) Benzene	5.784	78	291301	7.168	ug/L	100
34) Trichloroethene	6.549	95	1238132	112.495	ug/L	96
40) 4-Methyl-2-pentanone	7.803	43	13339	1.547	ug/L #	88
42) Toluene	7.977	91	21891	0.489	ug/L	96
47) Tetrachloroethene	8.562	164	906096	111.359	ug/L	96
51) Chlorobenzene	9.452	112	848454	29.599	ug/L	99
52) Ethylbenzene	9.578	91	110045	2.130	ug/L	99
53) m,p-Xylene	9.700	106	17506	0.895	ug/L	100
54) o-Xylene	10.105	106	57797	3.039	ug/L	98
60) Isopropylbenzene	10.491	105	260086	4.935	ug/L	98
62) 1,3,5-Trimethylbenzene	11.095	105	134614	2.931	ug/L	98
63) 1,2,4-Trimethylbenzene	11.475	105	256980	5.471	ug/L	97
64) 1,3-Dichlorobenzene	11.751	146	12091	0.508	ug/L	95
65) 1,4-Dichlorobenzene	11.841	146	165192	6.887	ug/L	98

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QLast Update : Thu Jul 01 02:36:13 2021
Response via : Initial Calibration

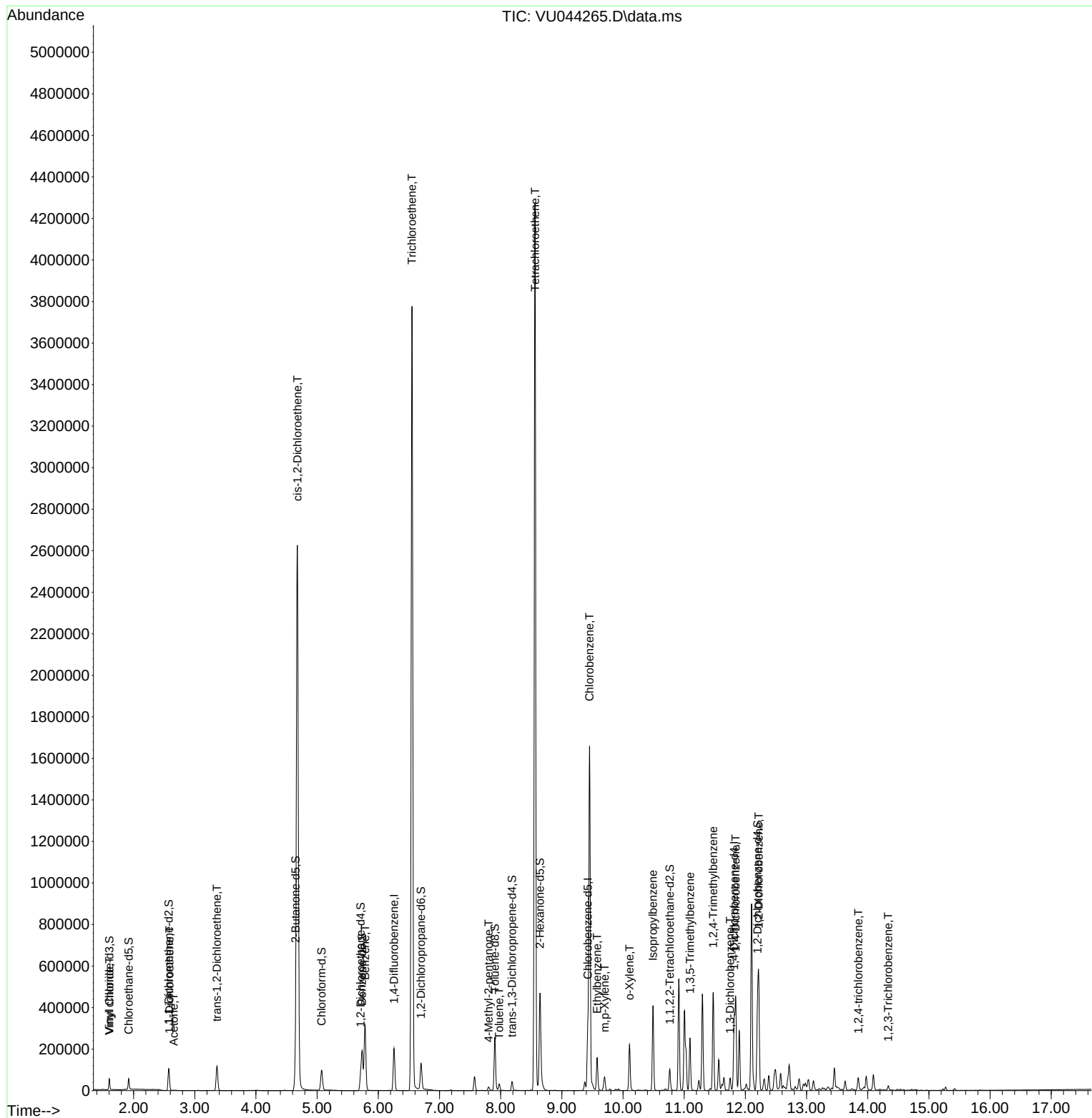
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.218	146	160294	7.164	ug/L	100
70) 1,2,4-trichlorobenzene	13.848	180	15206	0.990	ug/L	94
72) 1,2,3-Trichlorobenzene	14.336	180	6616	0.499	ug/L #	94

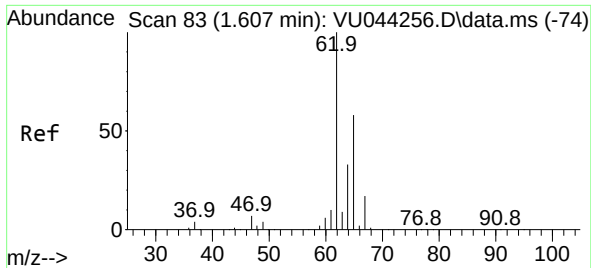
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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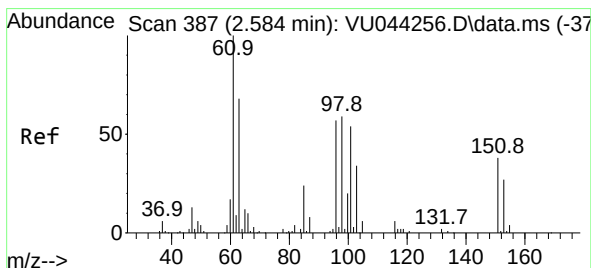
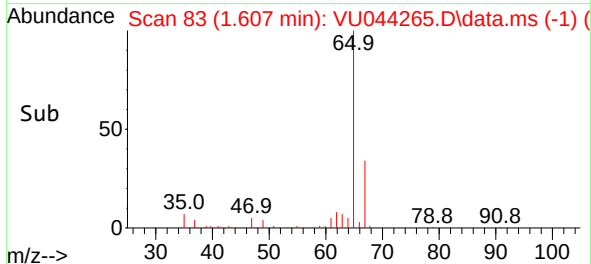
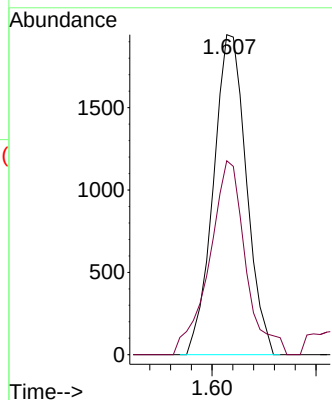
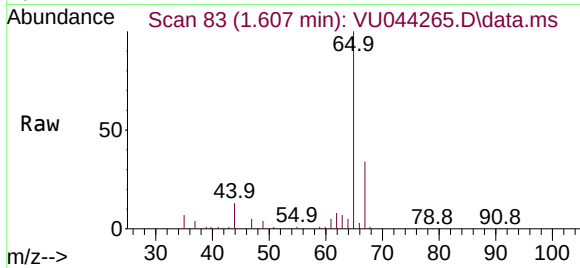




#5
 Vinyl chloride
 Concen: 0.186 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU044265.D
 Acq: 30 Jun 2021 17:14

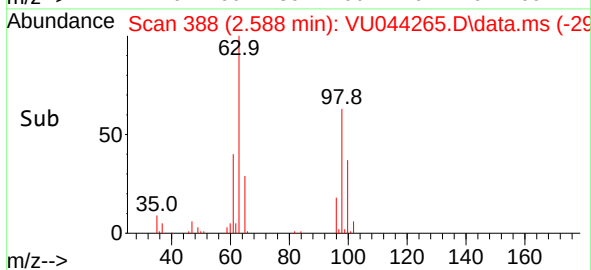
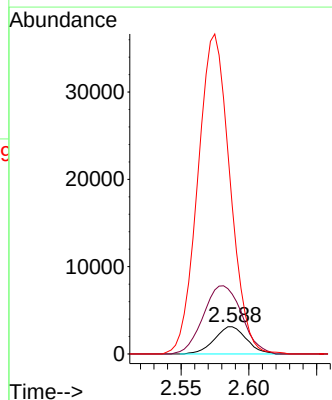
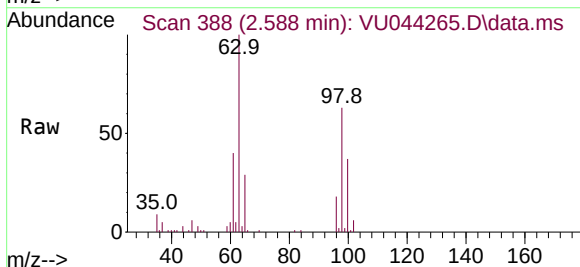
Instrument :
 MSVOA_U
 ClientSampleId :
 DBK25

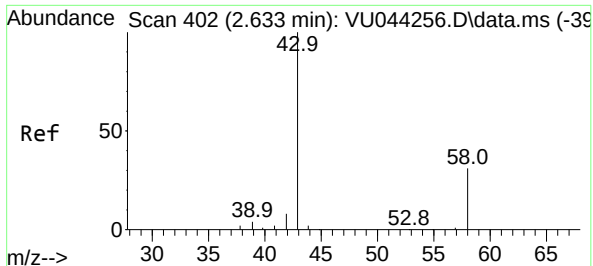
Tgt Ion: 62 Resp: 2142
 Ion Ratio Lower Upper
 62 100
 64 60.6 23.7 44.1#



#12
 1,1-Dichloroethene
 Concen: 0.543 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.003 min
 Lab File: VU044265.D
 Acq: 30 Jun 2021 17:14

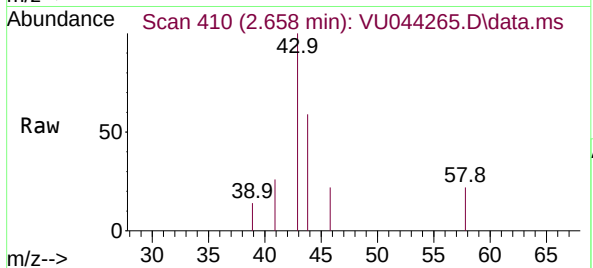
Tgt Ion: 96 Resp: 5105
 Ion Ratio Lower Upper
 96 100
 61 219.9 128.6 238.8
 63 545.1 84.3 156.5#



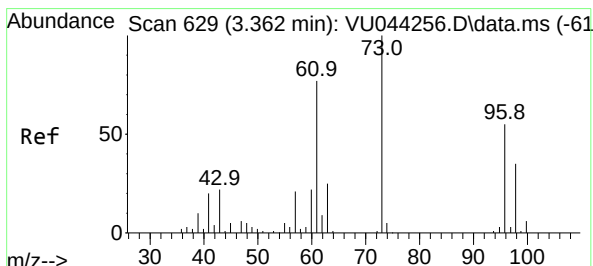
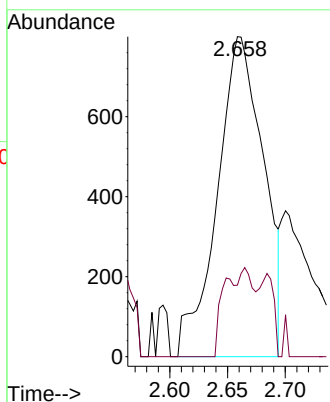
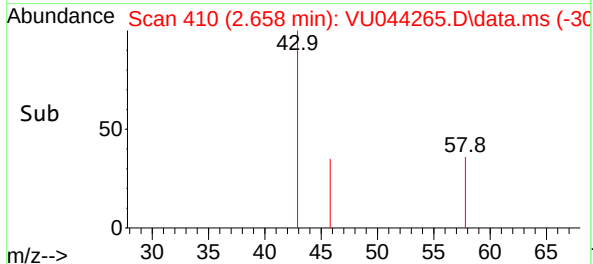


#13
Acetone
Concen: 1.532 ug/L
RT: 2.658 min Scan# 410
Delta R.T. 0.026 min
Lab File: VU044265.D
Acq: 30 Jun 2021 17:14

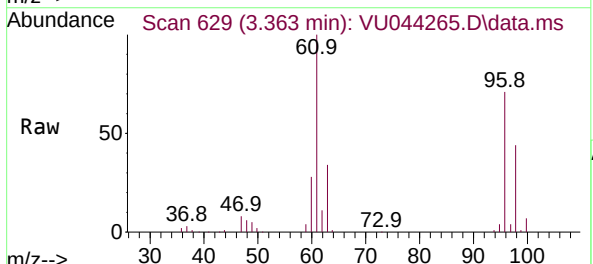
Instrument :
MSVOA_U
ClientSampled :
DBK25



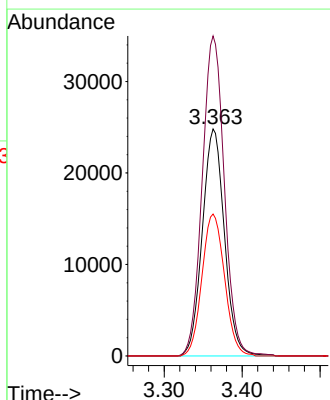
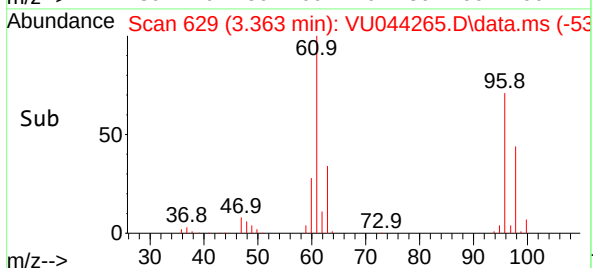
Tgt Ion: 43 Resp: 2224
Ion Ratio Lower Upper
43 100
58 10.0 0.0 53.8

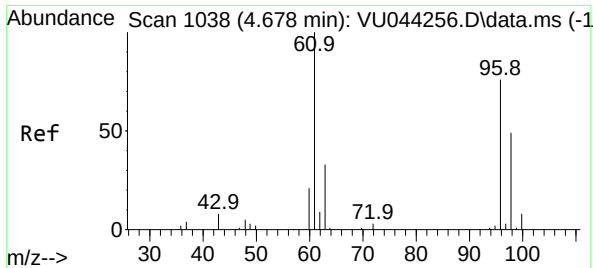


#18
trans-1,2-Dichloroethene
Concen: 4.897 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU044265.D
Acq: 30 Jun 2021 17:14



Tgt Ion: 96 Resp: 49002
Ion Ratio Lower Upper
96 100
61 140.9 100.2 186.2
98 62.5 44.9 83.5



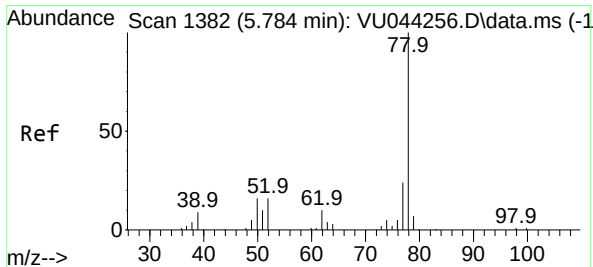
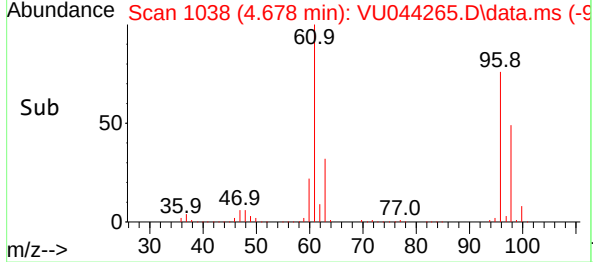
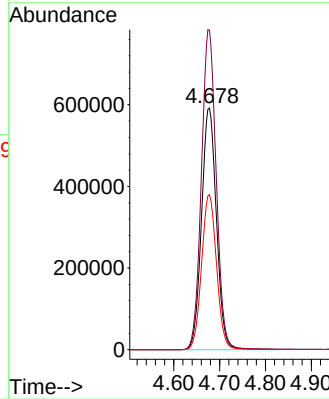
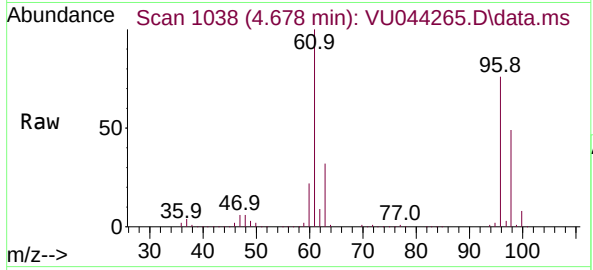


#22
 cis-1,2-Dichloroethene
 Concen: 122.050 ug/L
 RT: 4.678 min Scan# 1038
 Delta R.T. 0.000 min
 Lab File: VU044265.D
 Acq: 30 Jun 2021 17:14

Instrument :
 MSVOA_U
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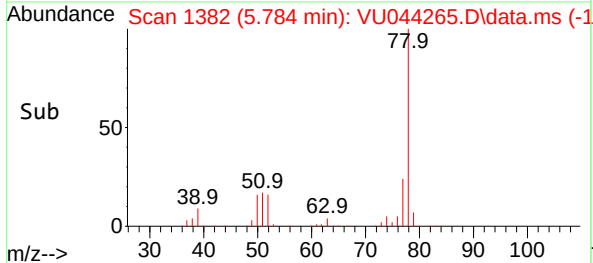
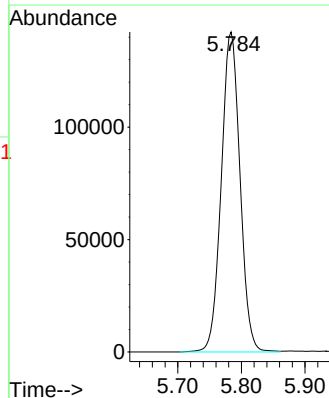
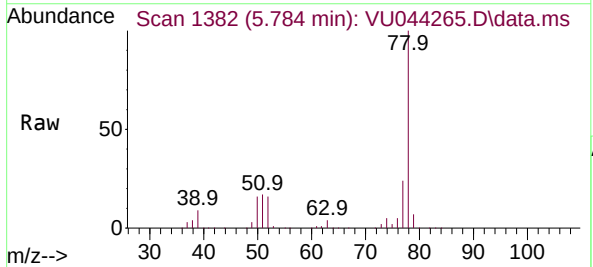
Tgt Ion: 96 Resp: 1336292

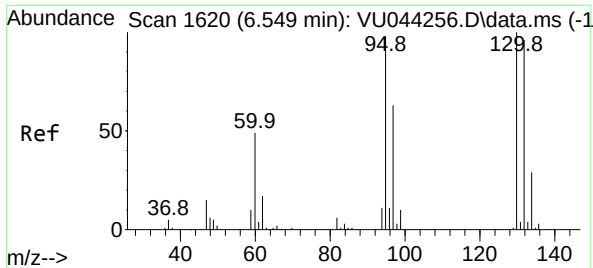
Ion	Ratio	Lower	Upper
96	100		
61	132.2	98.8	183.6
98	64.1	44.8	83.2



#33
 Benzene
 Concen: 7.168 ug/L
 RT: 5.784 min Scan# 1382
 Delta R.T. 0.000 min
 Lab File: VU044265.D
 Acq: 30 Jun 2021 17:14

Tgt Ion: 78 Resp: 291301

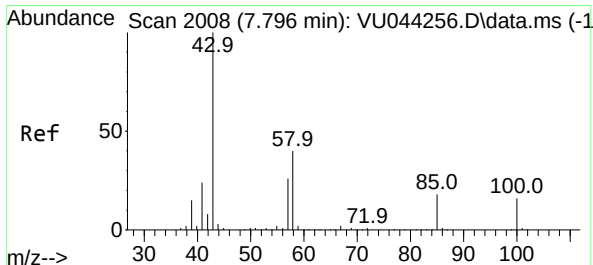
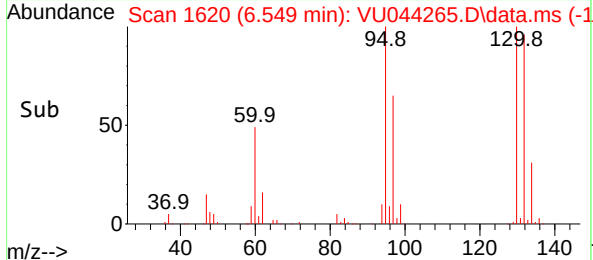
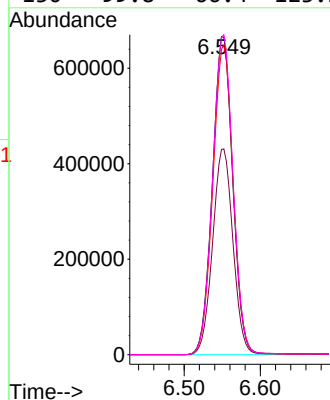
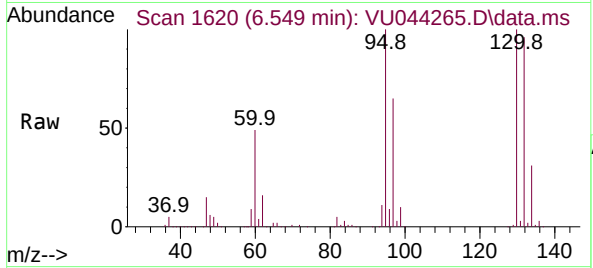




#34
Trichloroethene
Concen: 112.495 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VU044265.D
Acq: 30 Jun 2021 17:14

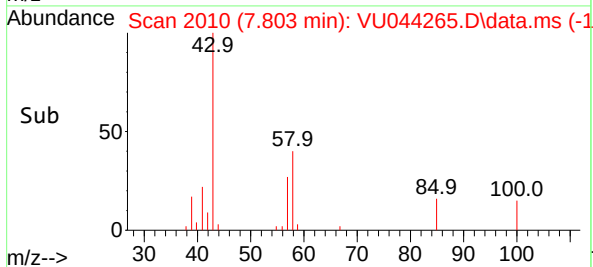
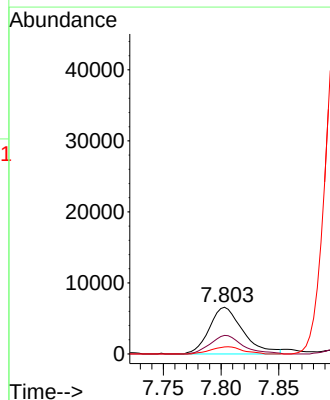
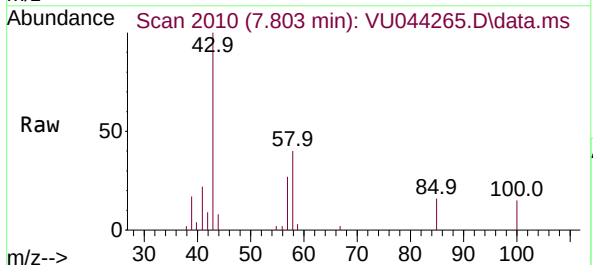
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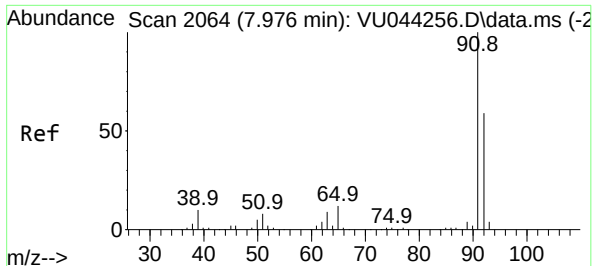
Tgt Ion: 95 Resp: 1238132
Ion Ratio Lower Upper
95 100
97 64.5 44.3 82.3
132 96.0 64.3 119.5
130 99.8 66.4 123.2



#40
4-Methyl-2-pentanone
Concen: 1.547 ug/L
RT: 7.803 min Scan# 2010
Delta R.T. 0.007 min
Lab File: VU044265.D
Acq: 30 Jun 2021 17:14

Tgt Ion: 43 Resp: 13339
Ion Ratio Lower Upper
43 100
58 37.9 31.2 46.8
100 0.0 12.3 18.5#

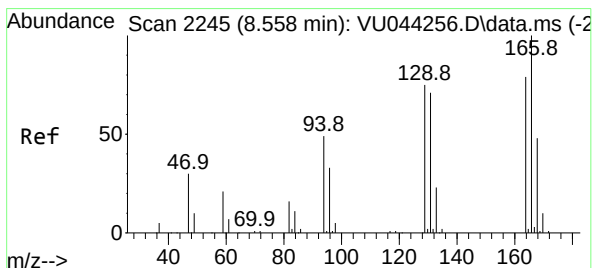
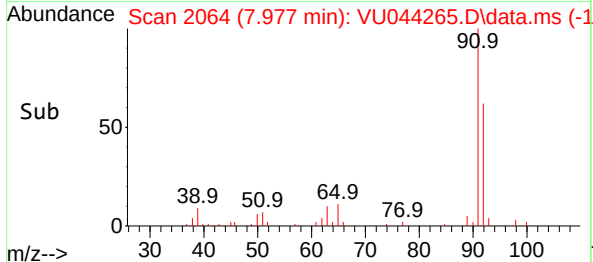
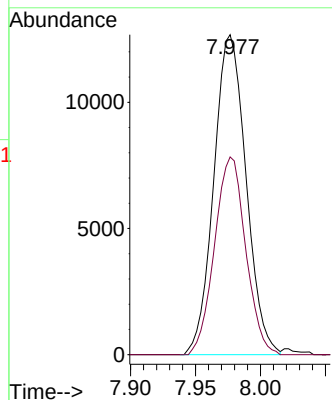
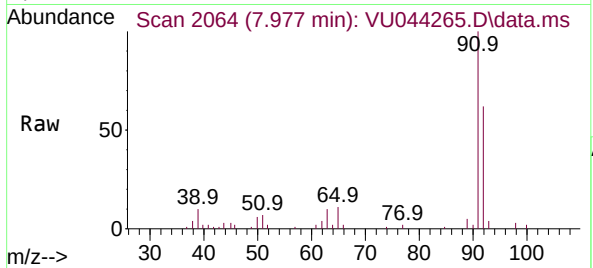




#42
Toluene
Concen: 0.489 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU044265.D
Acq: 30 Jun 2021 17:14

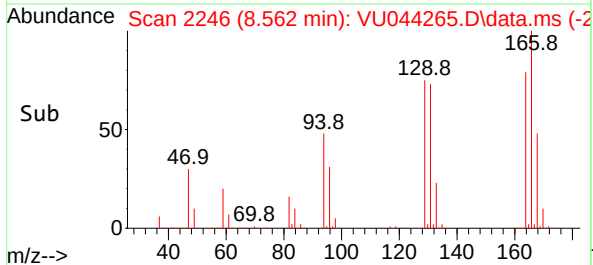
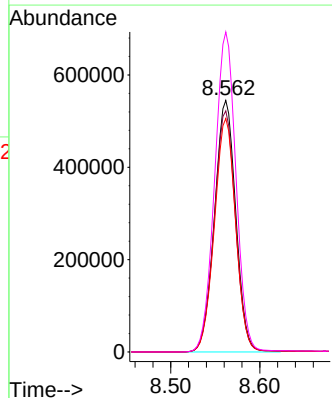
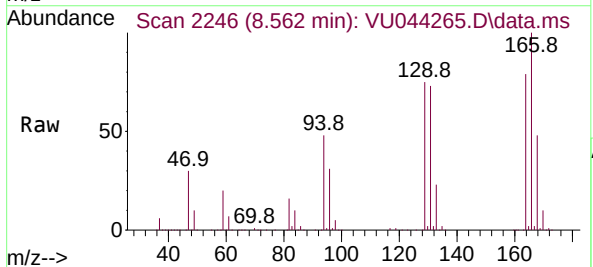
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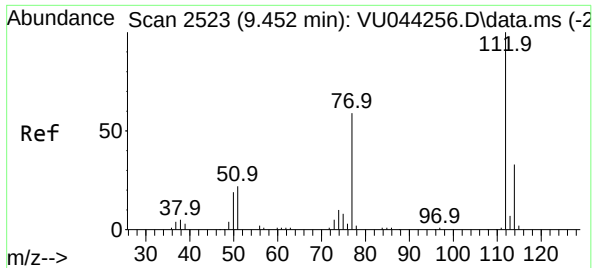
Tgt Ion: 91 Resp: 21891
Ion Ratio Lower Upper
91 100
92 61.8 41.2 76.6



#47
Tetrachloroethene
Concen: 111.359 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.003 min
Lab File: VU044265.D
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Tgt Ion: 164 Resp: 906096
Ion Ratio Lower Upper
164 100
129 95.9 71.8 133.4
131 92.8 66.4 123.2
166 127.2 91.6 170.2

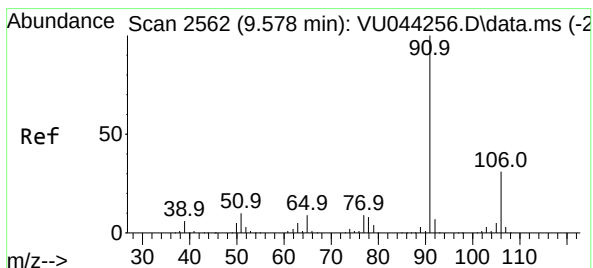
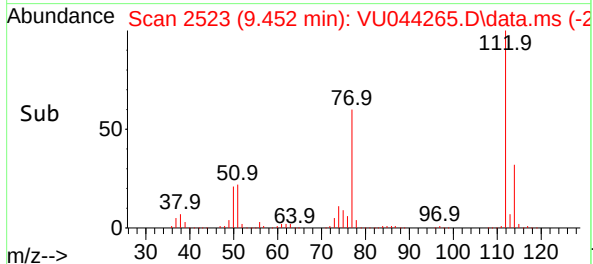
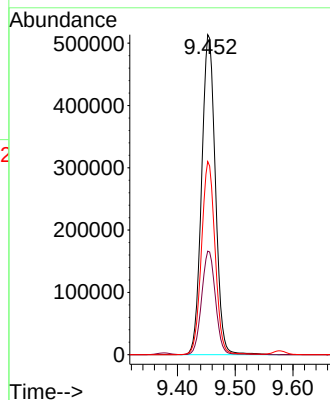
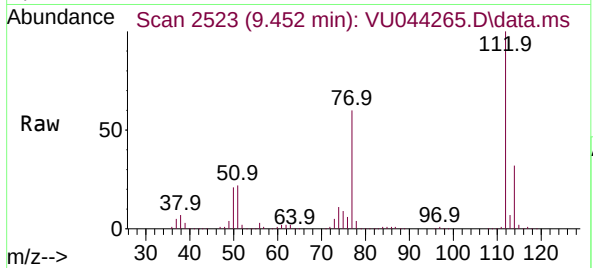




#51
Chlorobenzene
Concen: 29.599 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. 0.000 min
Lab File: VU044265.D
Acq: 30 Jun 2021 17:14

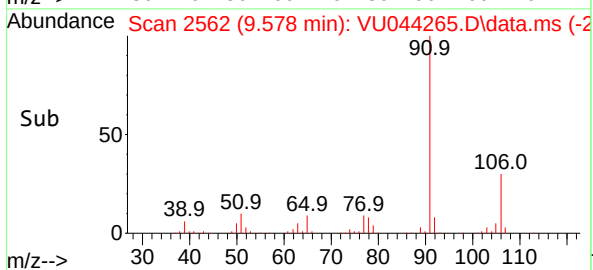
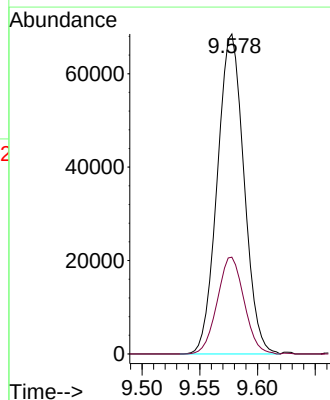
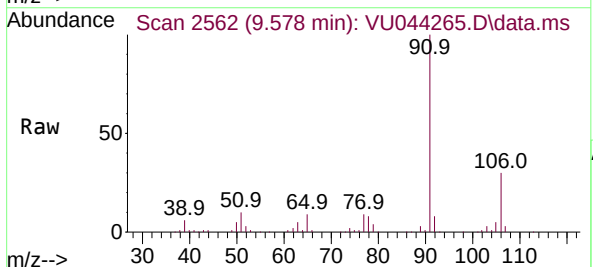
Instrument :
MSVOA_U
ClientSampled :
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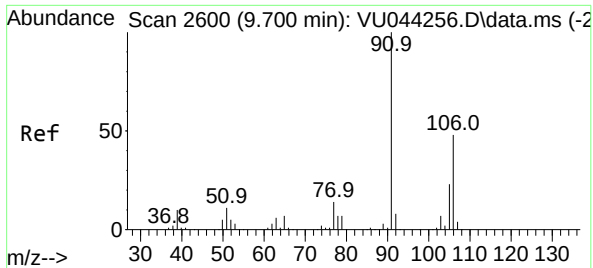
Tgt Ion:112 Resp: 848454
Ion Ratio Lower Upper
112 100
114 32.3 22.0 41.0
77 60.4 48.9 73.3



#52
Ethylbenzene
Concen: 2.130 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. 0.000 min
Lab File: VU044265.D
Acq: 30 Jun 2021 17:14

Tgt Ion: 91 Resp: 110045
Ion Ratio Lower Upper
91 100
106 30.3 21.6 40.2

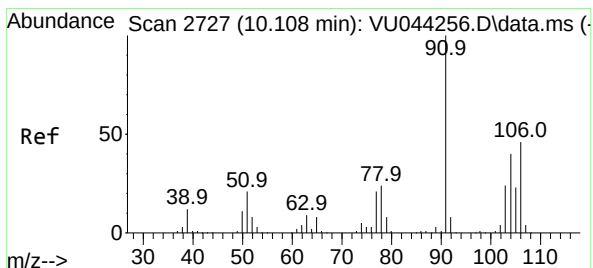
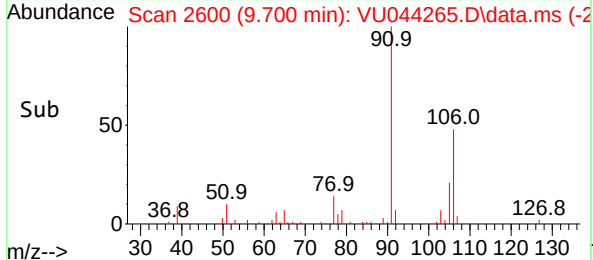
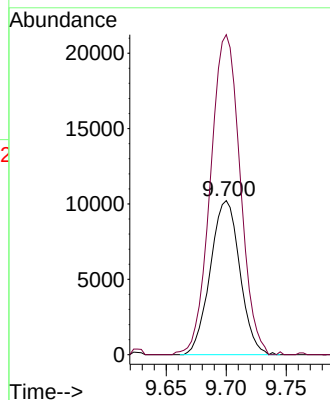
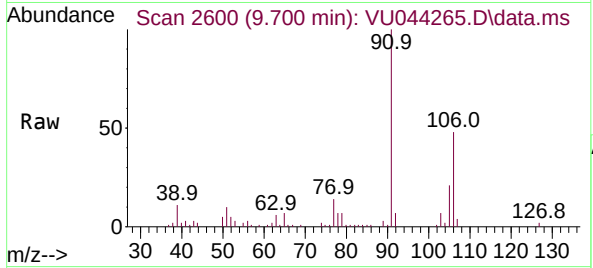




#53
m,p-Xylene
Concen: 0.895 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. 0.000 min
Lab File: VU044265.D
Acq: 30 Jun 2021 17:14

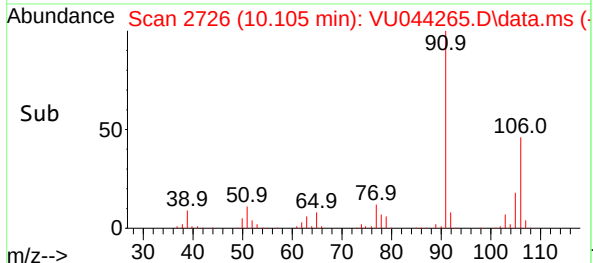
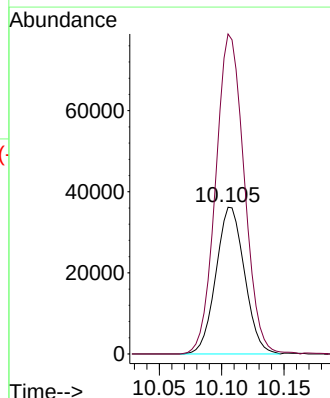
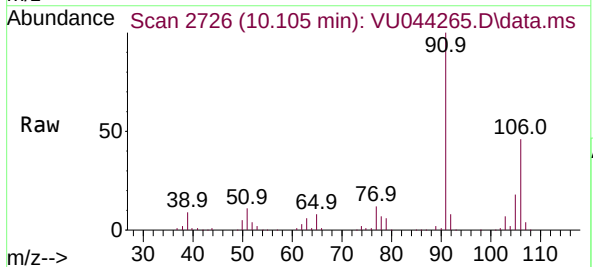
Instrument :
MSVOA_U
ClientSampled :
DBK25

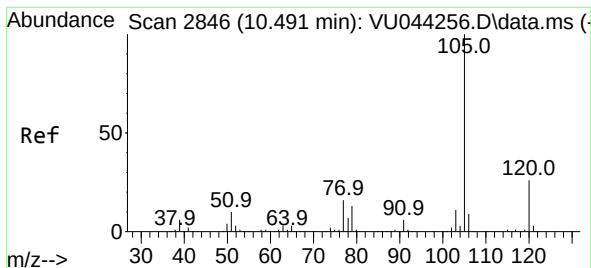
Tgt Ion:106 Resp: 17506
Ion Ratio Lower Upper
106 100
91 207.6 144.8 269.0



#54
o-Xylene
Concen: 3.039 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU044265.D
Acq: 30 Jun 2021 17:14

Tgt Ion:106 Resp: 57797
Ion Ratio Lower Upper
106 100
91 218.0 154.8 287.4

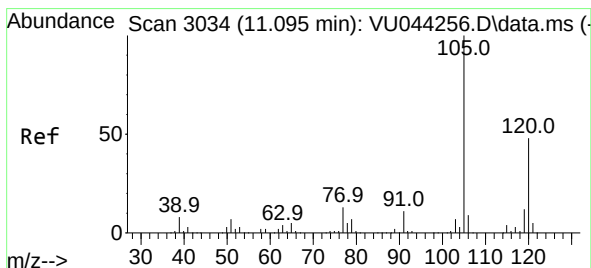
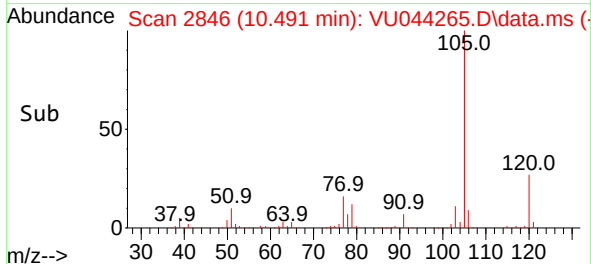
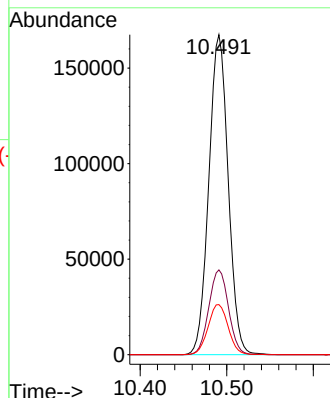
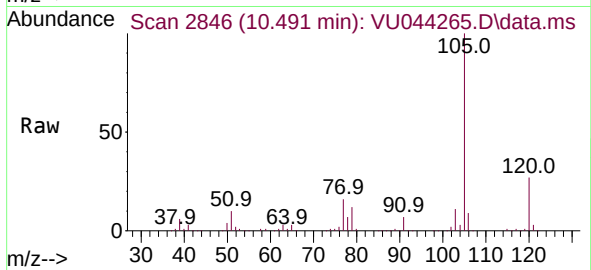




#60
Isopropylbenzene
Concen: 4.935 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. 0.000 min
Lab File: VU044265.D
Acq: 30 Jun 2021 17:14

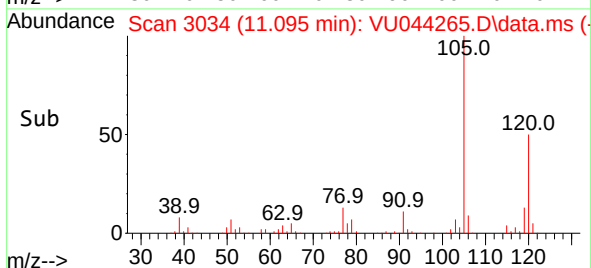
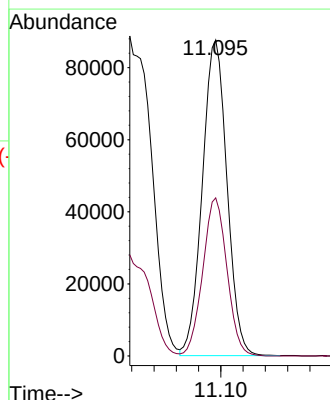
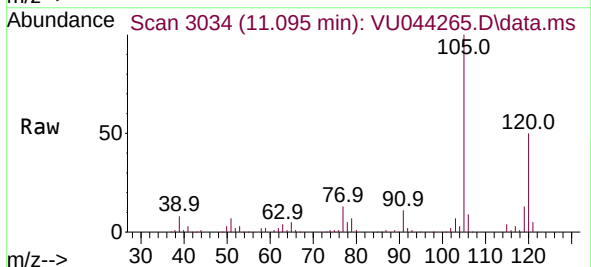
Instrument :
MSVOA_U
ClientSampleId :
DBK25

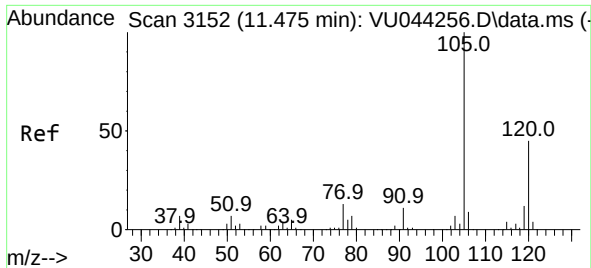
Tgt Ion:105 Resp: 260086
Ion Ratio Lower Upper
105 100
120 27.0 20.7 31.1
77 16.3 12.9 19.3



#62
1,3,5-Trimethylbenzene
Concen: 2.931 ug/L
RT: 11.095 min Scan# 3034
Delta R.T. 0.000 min
Lab File: VU044265.D
Acq: 30 Jun 2021 17:14

Tgt Ion:105 Resp: 134614
Ion Ratio Lower Upper
105 100
120 49.2 38.0 57.0

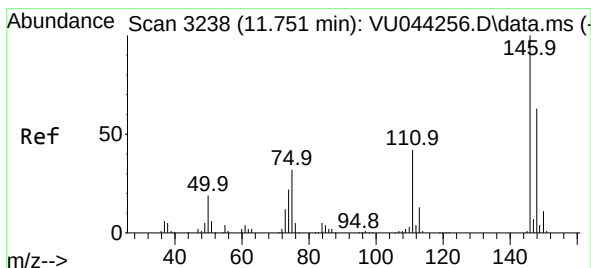
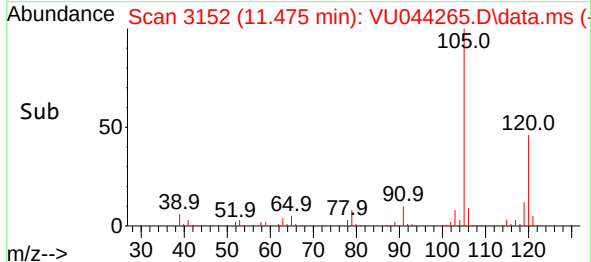
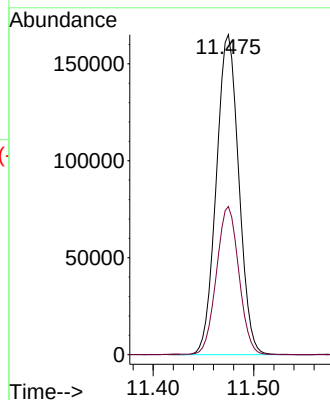
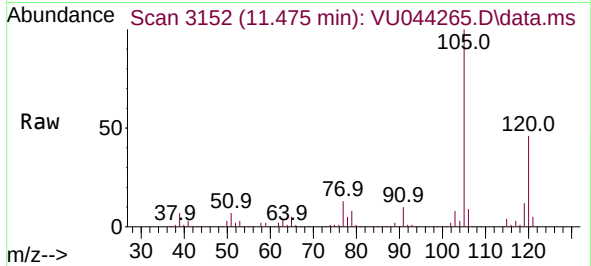




#63
1,2,4-Trimethylbenzene
Concen: 5.471 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VU044265.D
Acq: 30 Jun 2021 17:14

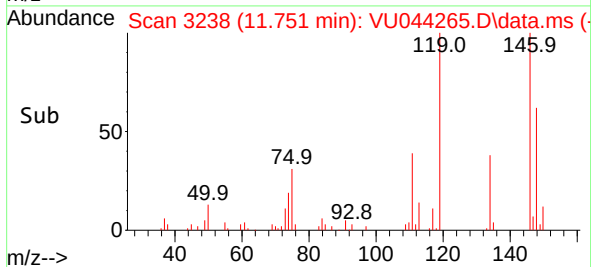
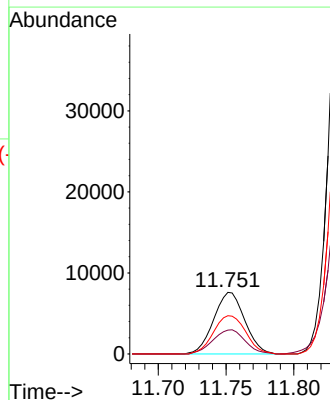
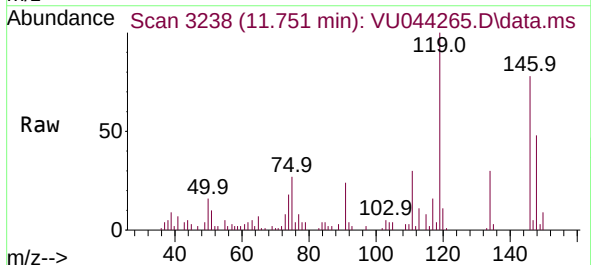
Instrument :
MSVOA_U
ClientSampleId :
DBK25

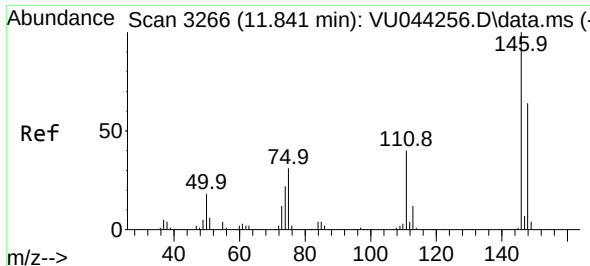
Tgt Ion:105 Resp: 256980
Ion Ratio Lower Upper
105 100
120 46.2 35.6 53.4



#64
1,3-Dichlorobenzene
Concen: 0.508 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.000 min
Lab File: VU044265.D
Acq: 30 Jun 2021 17:14

Tgt Ion:146 Resp: 12091
Ion Ratio Lower Upper
146 100
111 38.7 29.8 55.3
148 62.1 45.8 85.2

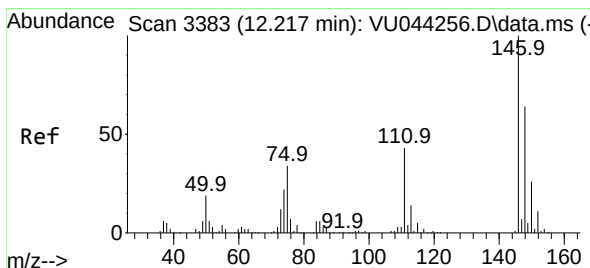
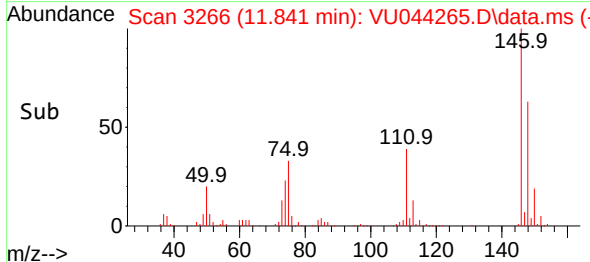
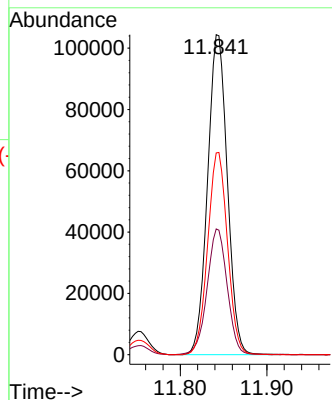
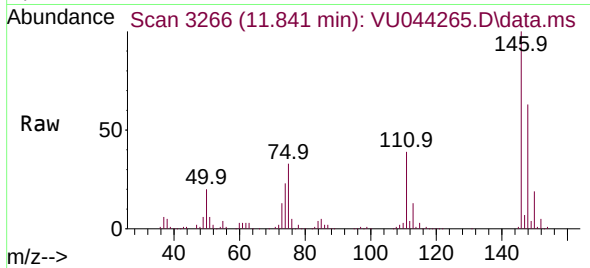




#65
1,4-Dichlorobenzene
Concen: 6.887 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU044265.D
Acq: 30 Jun 2021 17:14

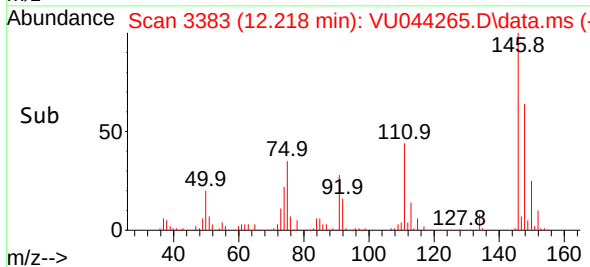
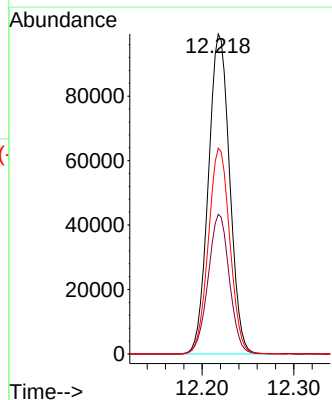
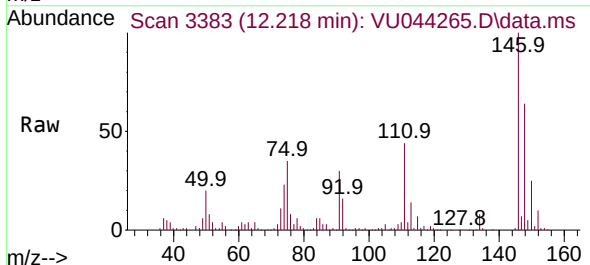
Instrument :
MSVOA_U
ClientSampleId :
DBK25

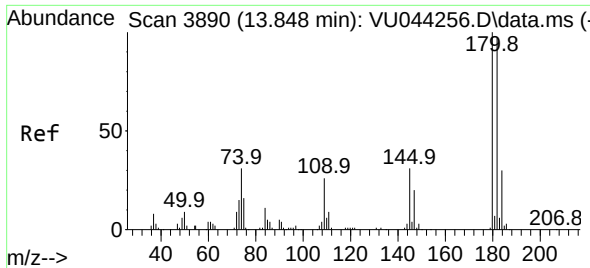
Tgt Ion:146 Resp: 165192
Ion Ratio Lower Upper
146 100
111 39.3 28.2 52.4
148 63.1 45.1 83.9



#67
1,2-Dichlorobenzene
Concen: 7.164 ug/L
RT: 12.218 min Scan# 3383
Delta R.T. 0.000 min
Lab File: VU044265.D
Acq: 30 Jun 2021 17:14

Tgt Ion:146 Resp: 160294
Ion Ratio Lower Upper
146 100
111 43.7 35.0 52.6
148 64.3 51.2 76.8

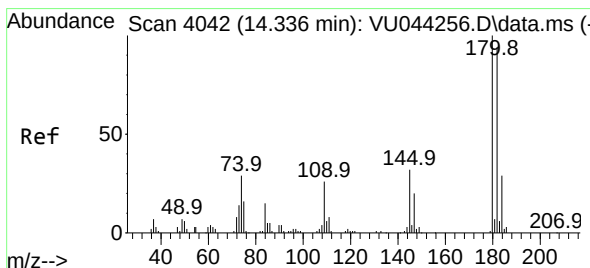
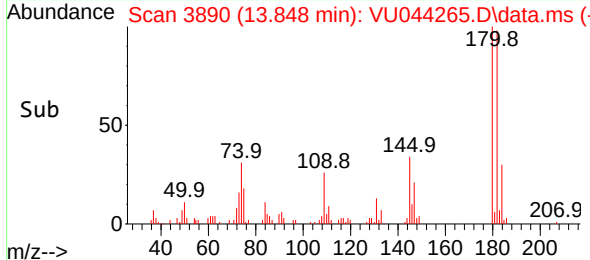
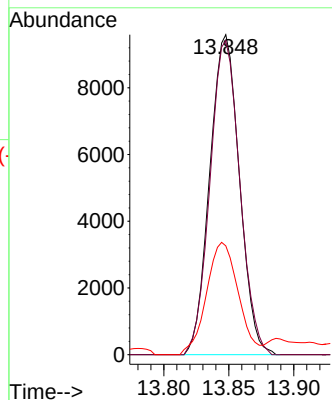
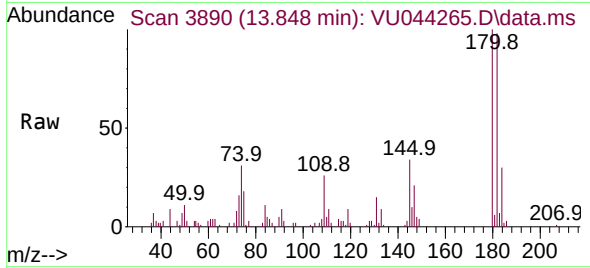




#70
1,2,4-trichlorobenzene
Concen: 0.990 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. 0.000 min
Lab File: VU044265.D
Acq: 30 Jun 2021 17:14

Instrument :
MSVOA_U
ClientSampleId :
DBK25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.6	75.7	113.5
145	37.8	25.6	38.4



#72
1,2,3-Trichlorobenzene
Concen: 0.499 ug/L
RT: 14.336 min Scan# 4042
Delta R.T. 0.000 min
Lab File: VU044265.D
Acq: 30 Jun 2021 17:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.4	114.6
145	44.9	26.5	39.7

