

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU063021\
 Data File : VU044261.D
 Acq On : 30 Jun 2021 14:46
 Operator : SY/MD
 Sample : M2905-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBK24

Quant Time: Jul 01 02:38:20 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	157123	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	151030	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	86025	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	33267	3.911	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.200%
7) Chloroethane-d5	1.916	69	35297	4.214	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.200%
11) 1,1-Dichloroethene-d2	2.572	65	17762	4.068	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.400%
20) 2-Butanone-d5	4.633	46	118518	37.833	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.660%
24) Chloroform-d	5.073	84	81395	4.250	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
26) 1,2-Dichloroethane-d4	5.710	65	45752	3.997	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.000%
32) Benzene-d6	5.736	84	161944	4.317	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
36) 1,2-Dichloropropane-d6	6.697	67	52858	4.348	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.000%
41) Toluene-d8	7.906	98	153632	4.414	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	8.186	79	21424	3.800	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.000%
46) 2-Hexanone-d5	8.639	63	103509	38.542	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.080%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	41365	3.828	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.600%
66) 1,2-Dichlorobenzene-d4	12.198	152	63869	4.506	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						Qvalue
18) trans-1,2-Dichloroethene	3.359	96	21427	2.219	ug/L	99
22) cis-1,2-Dichloroethene	4.674	96	582145	55.095	ug/L	95
33) Benzene	5.781	78	128860	3.252	ug/L	100
34) Trichloroethene	6.549	95	566713	52.815	ug/L	96
40) 4-Methyl-2-pentanone	7.800	43	12307	1.464	ug/L #	88
42) Toluene	7.977	91	12221	0.280	ug/L	98
47) Tetrachloroethene	8.559	164	437624	55.167	ug/L	96
48) 2-Hexanone	8.687	43	11891	2.007	ug/L #	93
51) Chlorobenzene	9.452	112	381095	13.637	ug/L	99
52) Ethylbenzene	9.575	91	52104	1.034	ug/L	100
53) m,p-Xylene	9.697	106	8550	0.448	ug/L	100
54) o-Xylene	10.105	106	25872	1.396	ug/L	95
60) Isopropylbenzene	10.491	105	119281	2.280	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	64798	1.422	ug/L	99
63) 1,2,4-Trimethylbenzene	11.475	105	121994	2.617	ug/L	98
64) 1,3-Dichlorobenzene	11.751	146	7794	0.330	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	77472	3.254	ug/L	99
67) 1,2-Dichlorobenzene	12.218	146	71563	3.223	ug/L	99
70) 1,2,4-trichlorobenzene	13.848	180	13432	0.881	ug/L	98

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

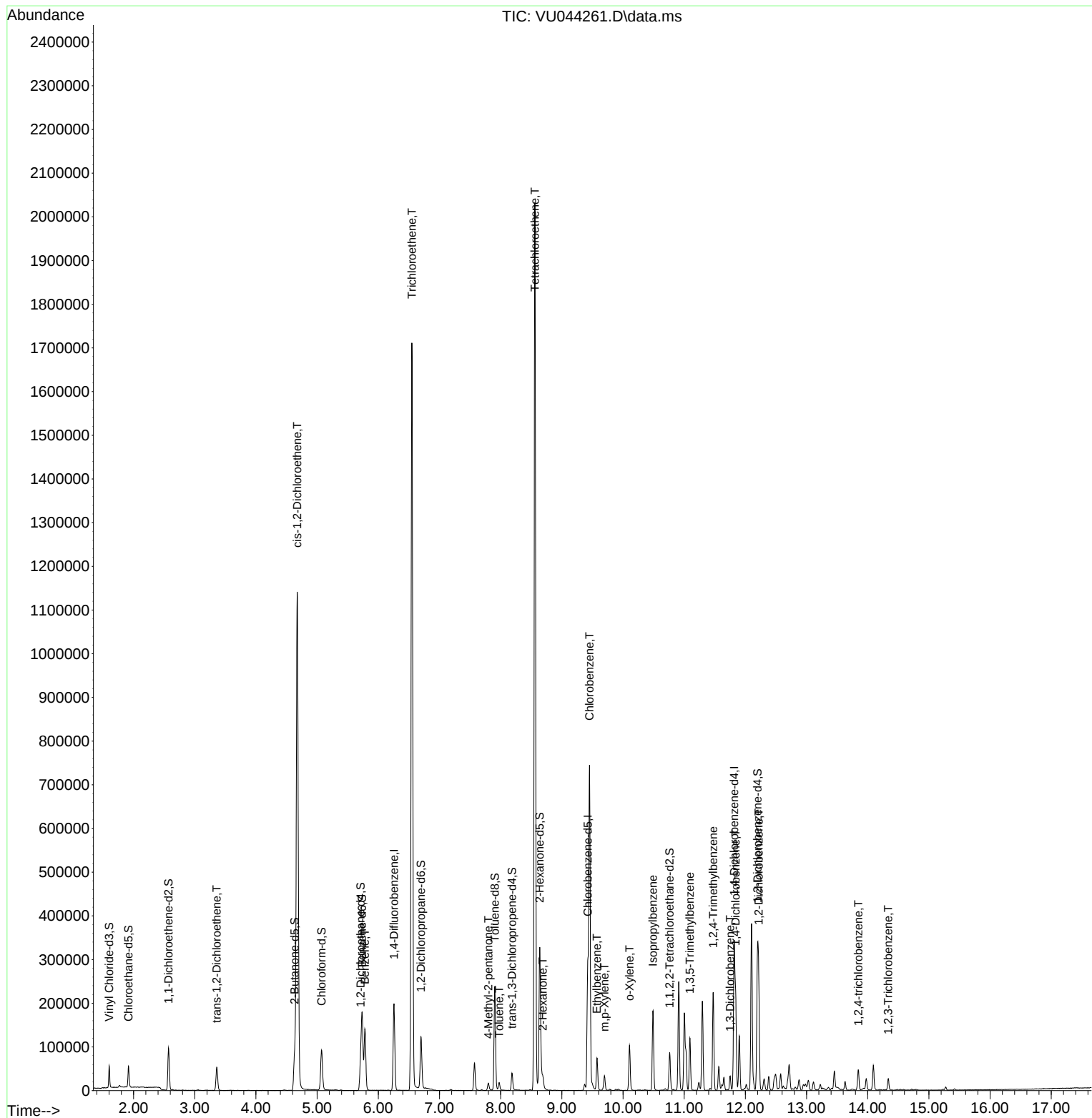
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	14.336	180	8390	0.637	ug/L	98

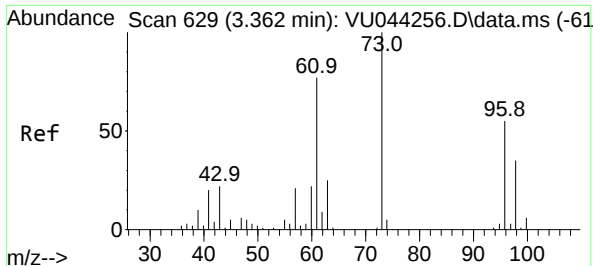
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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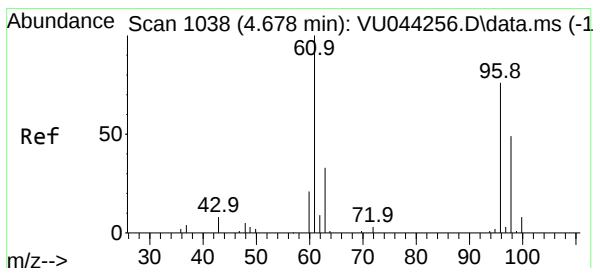
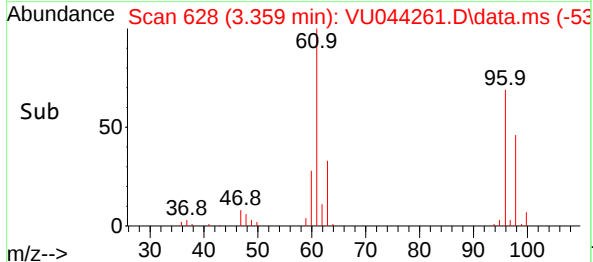
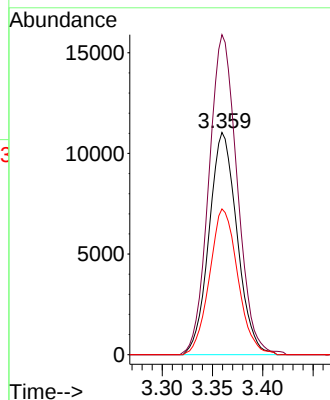
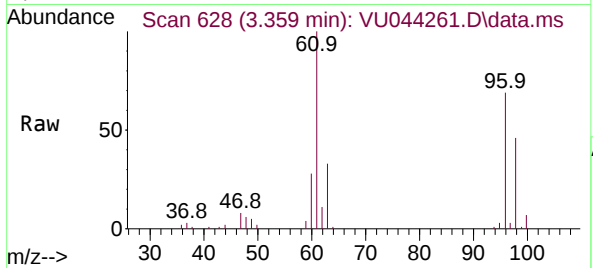




#18
trans-1,2-Dichloroethene
Concen: 2.219 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.003 min
Lab File: VU044261.D
Acq: 30 Jun 2021 14:46

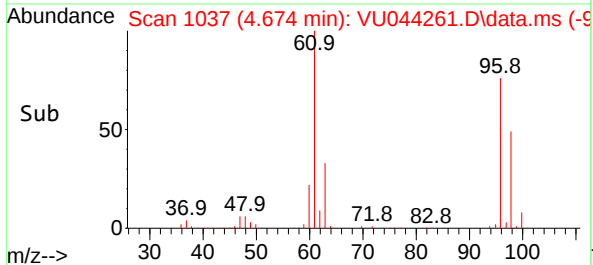
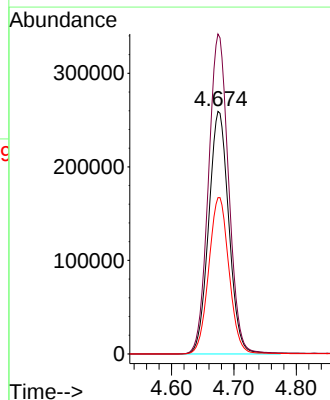
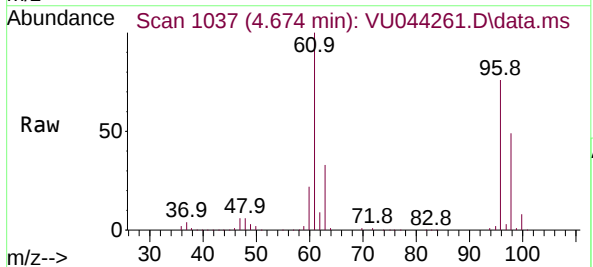
Instrument :
MSVOA_U
ClientSampleId :
DBK24

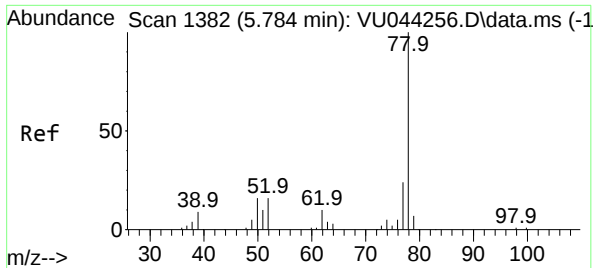
Tgt Ion: 96 Resp: 21427
Ion Ratio Lower Upper
96 100
61 144.0 100.2 186.2
98 65.6 44.9 83.5



#22
cis-1,2-Dichloroethene
Concen: 55.095 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. -0.003 min
Lab File: VU044261.D
Acq: 30 Jun 2021 14:46

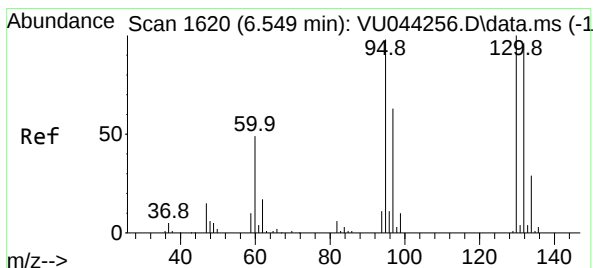
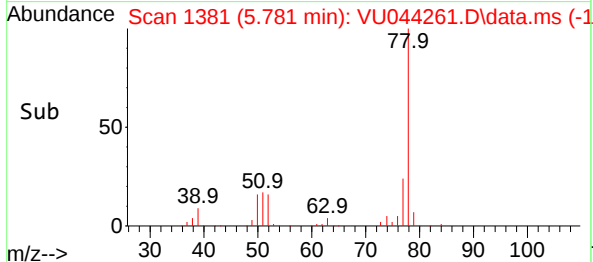
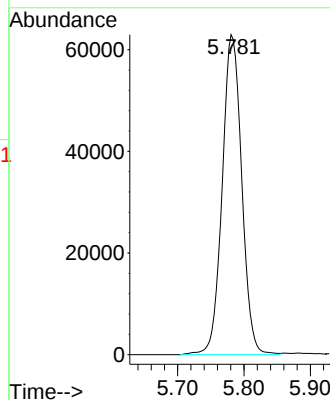
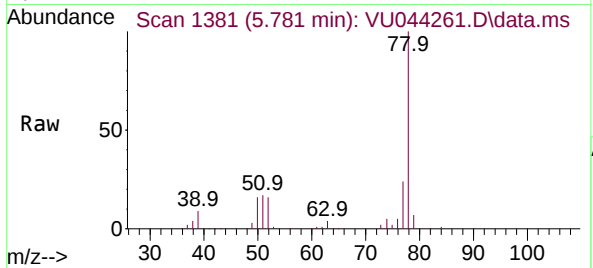
Tgt Ion: 96 Resp: 582145
Ion Ratio Lower Upper
96 100
61 131.9 98.8 183.6
98 64.4 44.8 83.2





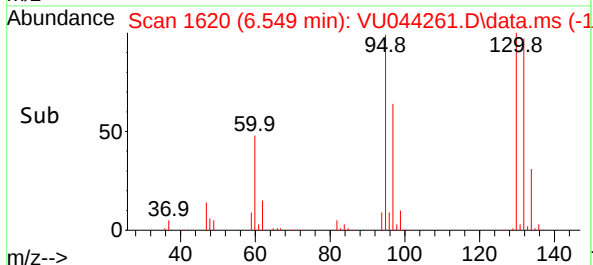
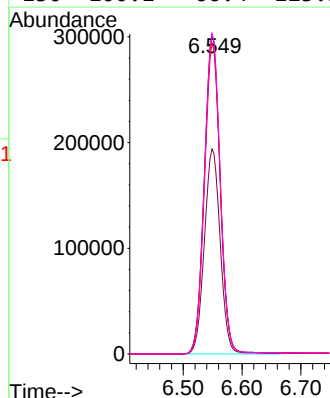
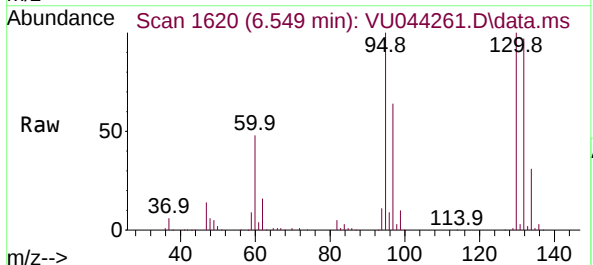
#33
Benzene
Concen: 3.252 ug/L
RT: 5.781 min Scan# 1381
Delta R.T. -0.003 min
Lab File: VU044261.D
Acq: 30 Jun 2021 14:46
Tgt Ion: 78 Resp: 128860

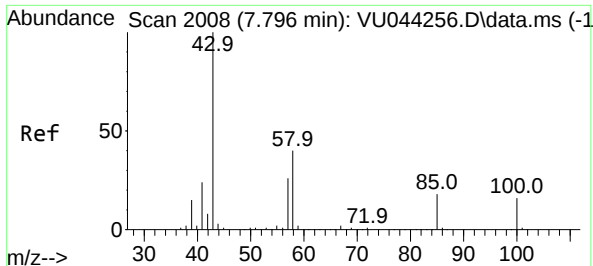
Instrument :
MSVOA_U
ClientSampled :
DBK24



#34
Trichloroethene
Concen: 52.815 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VU044261.D
Acq: 30 Jun 2021 14:46
Tgt Ion: 95 Resp: 566713

Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.3	82.3
132	97.2	64.3	119.5
130	100.1	66.4	123.2





#40

4-Methyl-2-pentanone

Concen: 1.464 ug/L

RT: 7.800 min Scan# 2009

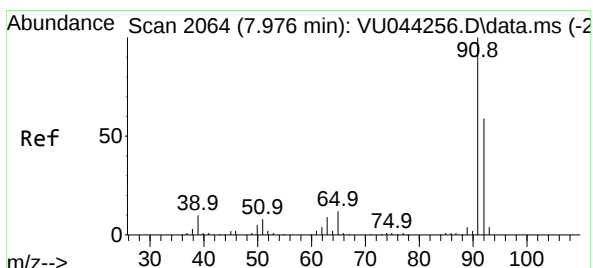
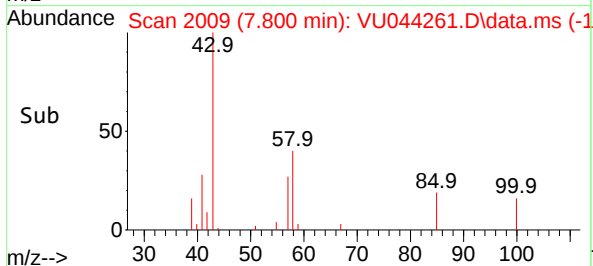
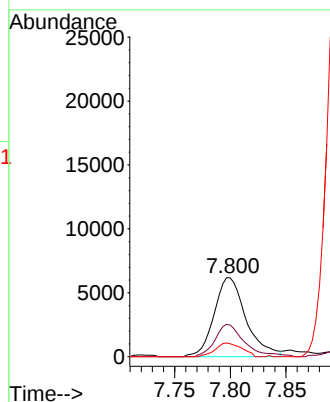
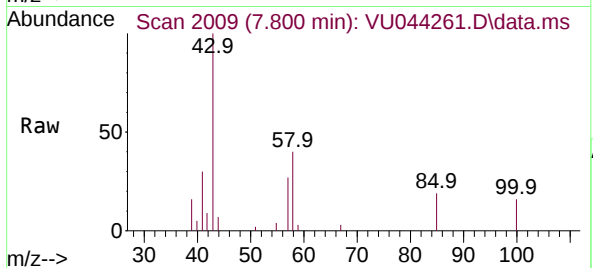
Delta R.T. 0.003 min

Lab File: VU044261.D

Acq: 30 Jun 2021 14:46

Tgt Ion:	43	Resp:	12307
Ion Ratio	Lower	Upper	
43	100		
58	37.6	31.2	46.8
100	0.0	12.3	18.5

Instrument :
MSVOA_U
ClientSampleId :
DBK24



#42

Toluene

Concen: 0.280 ug/L

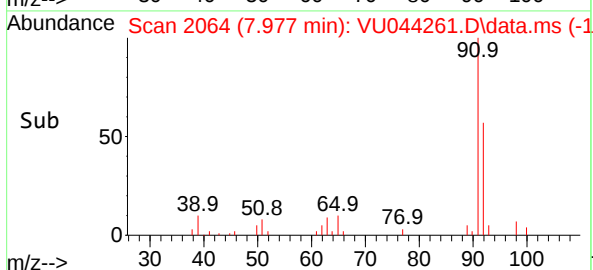
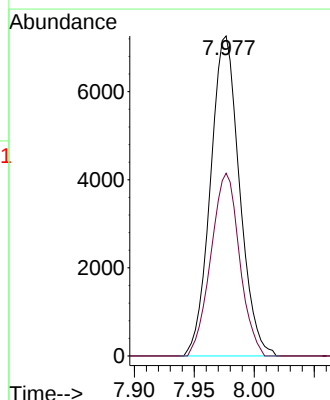
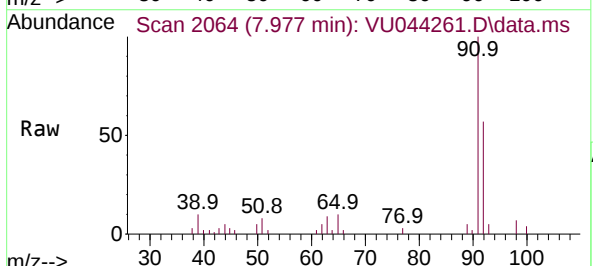
RT: 7.977 min Scan# 2064

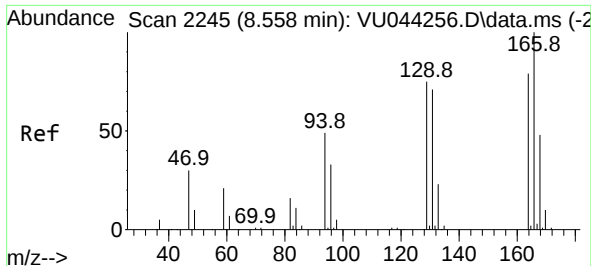
Delta R.T. 0.000 min

Lab File: VU044261.D

Acq: 30 Jun 2021 14:46

Tgt Ion:	91	Resp:	12221
Ion Ratio	Lower	Upper	
91	100		
92	57.1	41.2	76.6

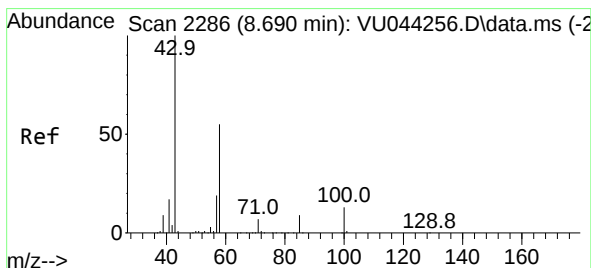
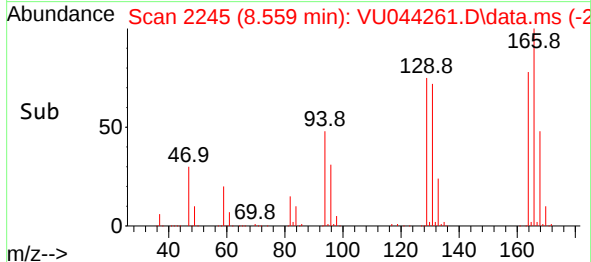
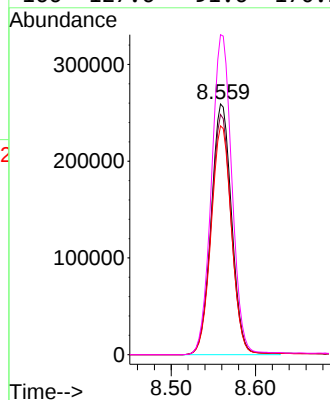
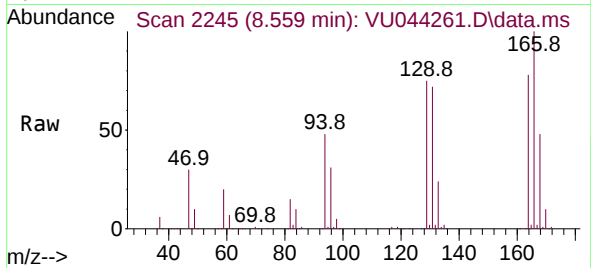




#47
Tetrachloroethene
Concen: 55.167 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU044261.D
Acq: 30 Jun 2021 14:46

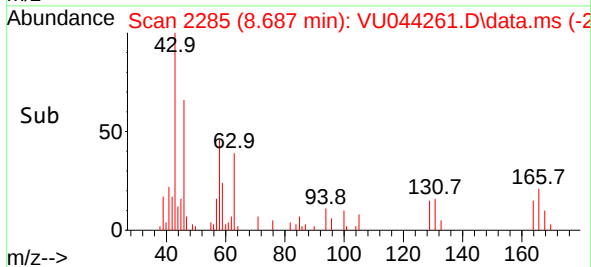
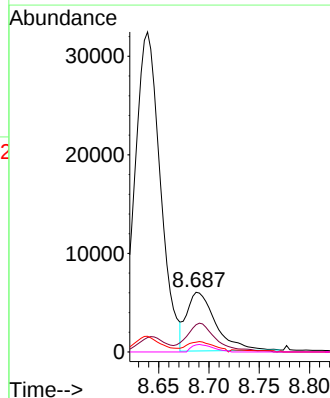
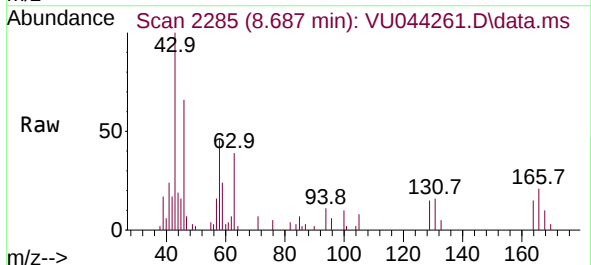
Instrument :
MSVOA_U
ClientSampled :
DBK24

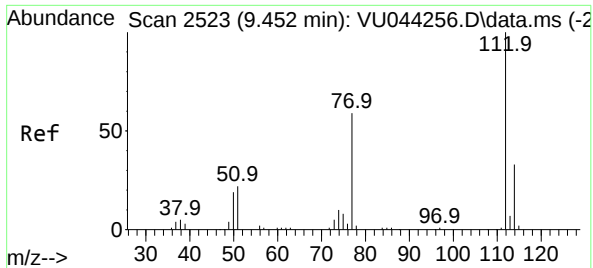
Tgt Ion:164 Resp: 437624
Ion Ratio Lower Upper
164 100
129 95.8 71.8 133.4
131 91.2 66.4 123.2
166 127.6 91.6 170.2



#48
2-Hexanone
Concen: 2.007 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. -0.003 min
Lab File: VU044261.D
Acq: 30 Jun 2021 14:46

Tgt Ion: 43 Resp: 11891
Ion Ratio Lower Upper
43 100
58 50.7 44.7 67.1
57 17.1 15.7 23.5
100 9.4 9.8 14.8#

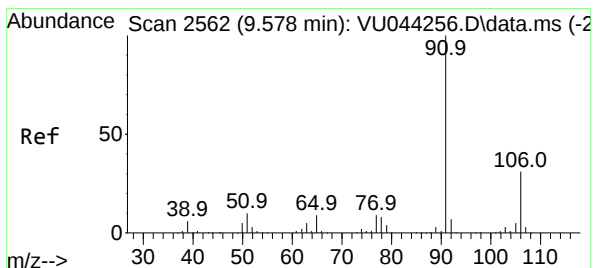
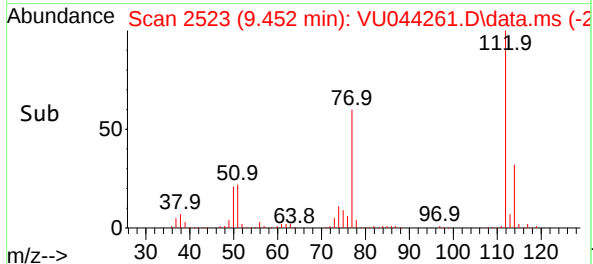
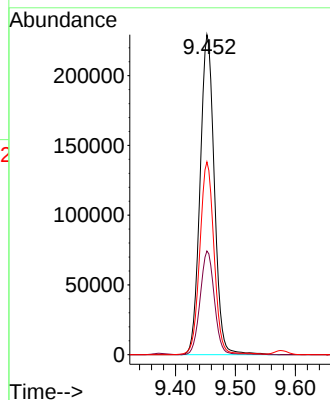
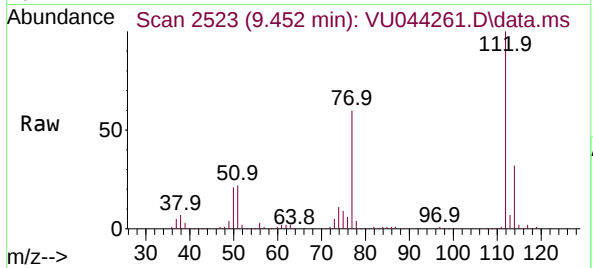




#51
Chlorobenzene
Concen: 13.637 ug/L
RT: 9.452 min Scan# 2523
Delta R.T. 0.000 min
Lab File: VU044261.D
Acq: 30 Jun 2021 14:46

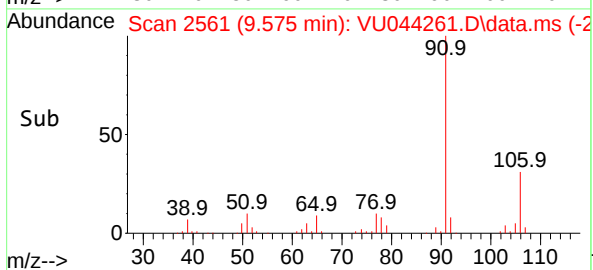
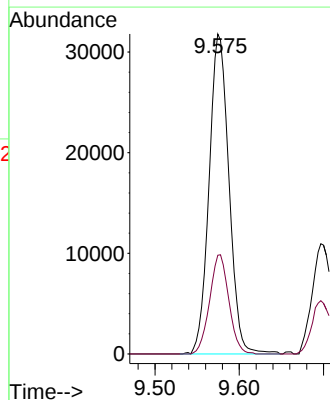
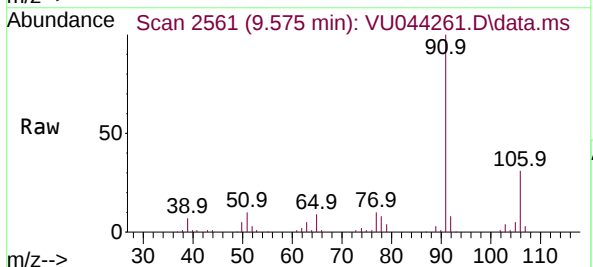
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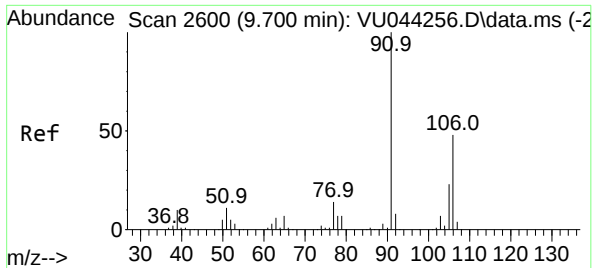
Tgt Ion:112 Resp: 381095
Ion Ratio Lower Upper
112 100
114 32.4 22.0 41.0
77 60.2 48.9 73.3



#52
Ethylbenzene
Concen: 1.034 ug/L
RT: 9.575 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU044261.D
Acq: 30 Jun 2021 14:46

Tgt Ion: 91 Resp: 52104
Ion Ratio Lower Upper
91 100
106 30.9 21.6 40.2

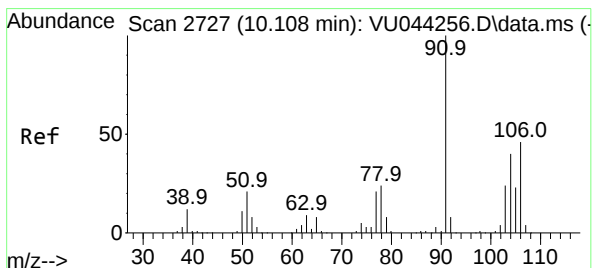
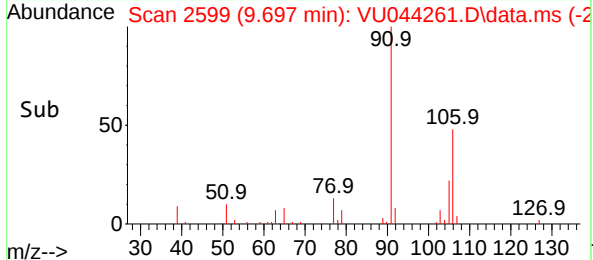
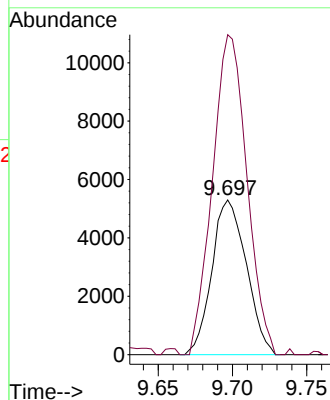
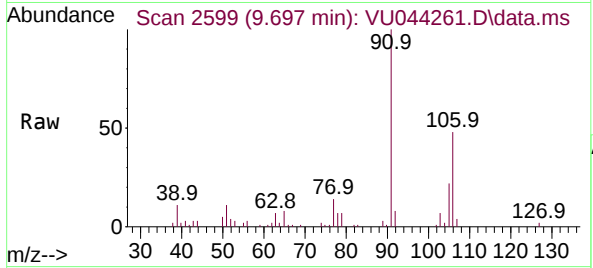




#53
m,p-Xylene
Concen: 0.448 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. -0.003 min
Lab File: VU044261.D
Acq: 30 Jun 2021 14:46

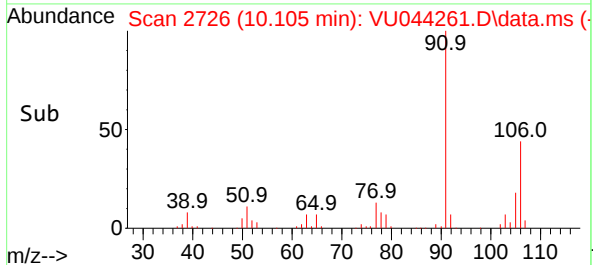
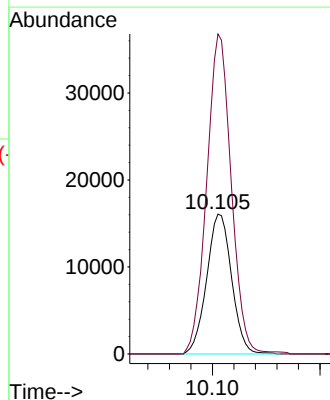
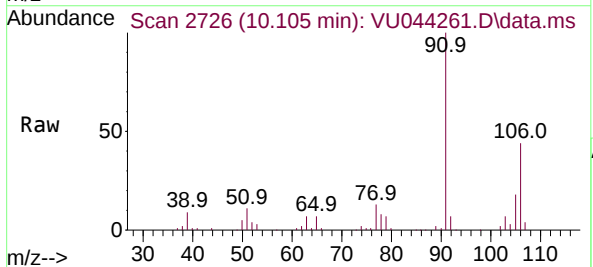
Instrument :
MSVOA_U
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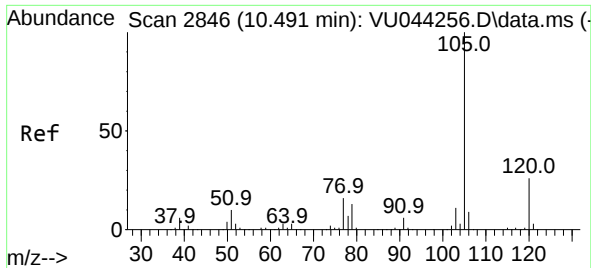
Tgt Ion:106 Resp: 8550
Ion Ratio Lower Upper
106 100
91 206.8 144.8 269.0



#54
o-Xylene
Concen: 1.396 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VU044261.D
Acq: 30 Jun 2021 14:46

Tgt Ion:106 Resp: 25872
Ion Ratio Lower Upper
106 100
91 228.8 154.8 287.4

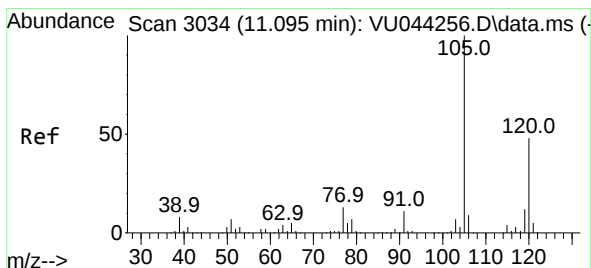
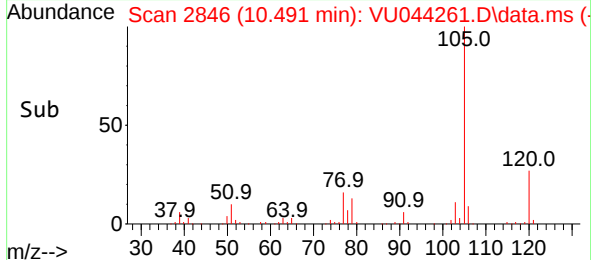
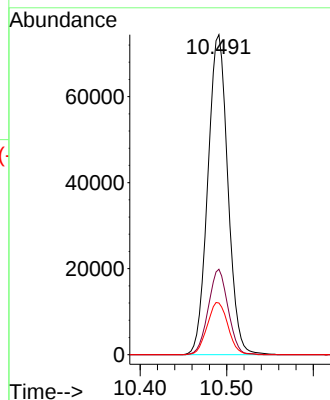
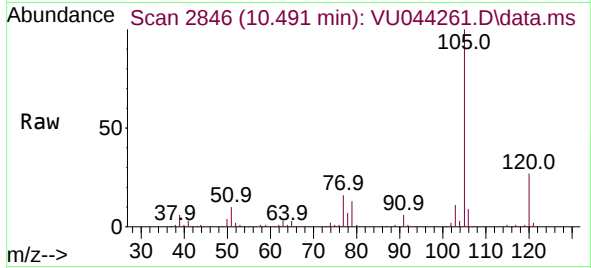




#60
Isopropylbenzene
Concen: 2.280 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. 0.000 min
Lab File: VU044261.D
Acq: 30 Jun 2021 14:46

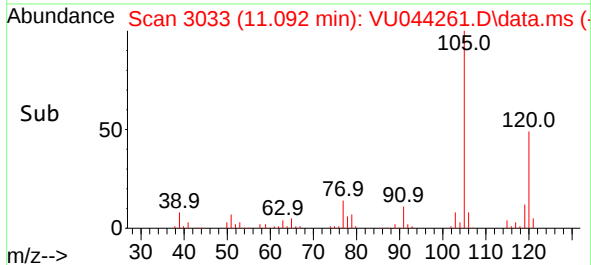
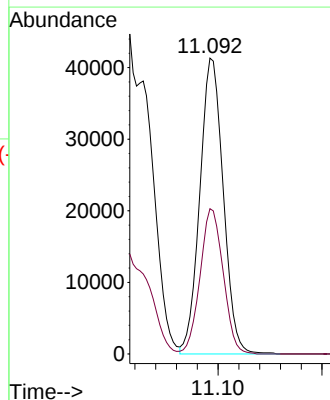
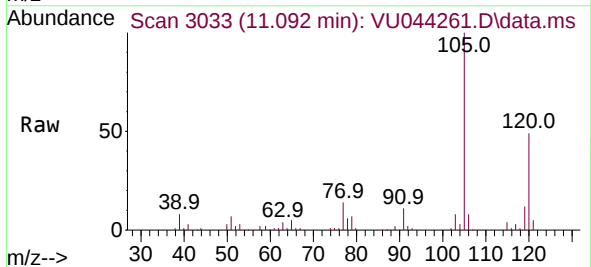
Instrument :
MSVOA_U
ClientSampleId :
DBK24

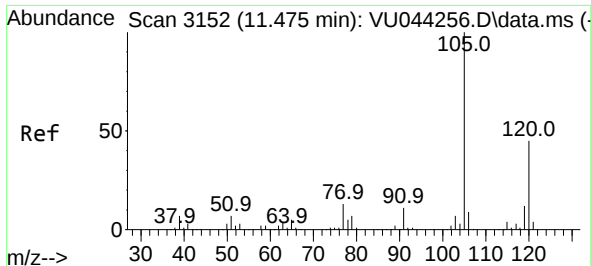
Tgt Ion:105 Resp: 119281
Ion Ratio Lower Upper
105 100
120 26.4 20.7 31.1
77 16.9 12.9 19.3



#62
1,3,5-Trimethylbenzene
Concen: 1.422 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.003 min
Lab File: VU044261.D
Acq: 30 Jun 2021 14:46

Tgt Ion:105 Resp: 64798
Ion Ratio Lower Upper
105 100
120 48.5 38.0 57.0

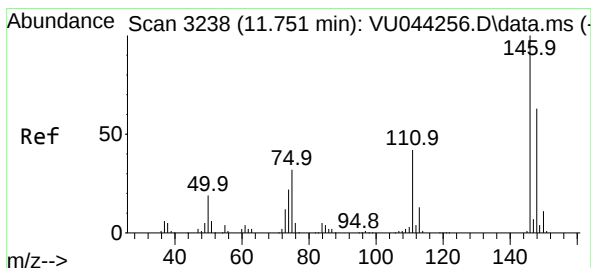
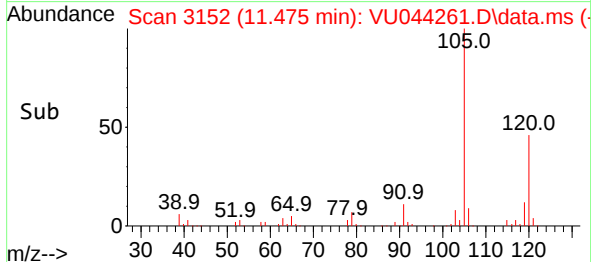
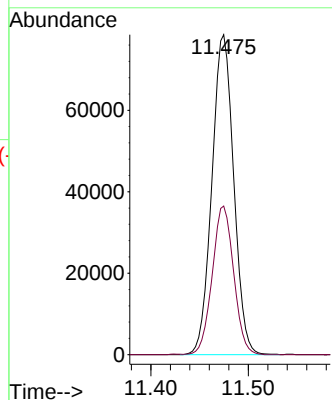
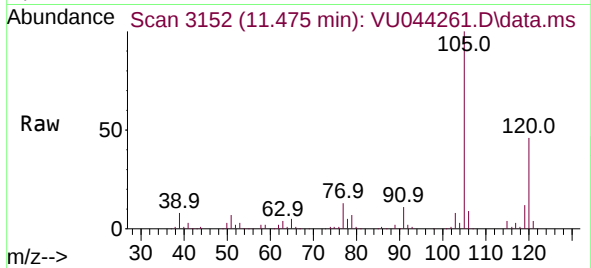




#63
1,2,4-Trimethylbenzene
Concen: 2.617 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VU044261.D
Acq: 30 Jun 2021 14:46

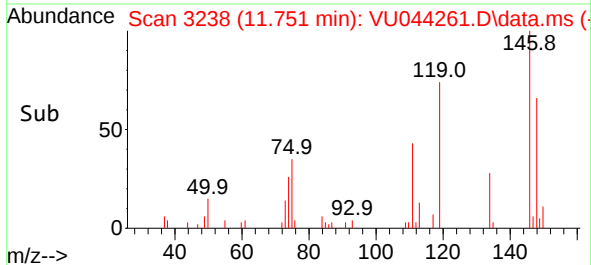
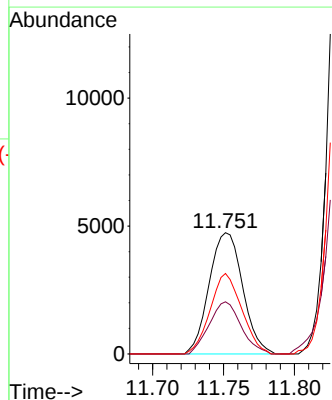
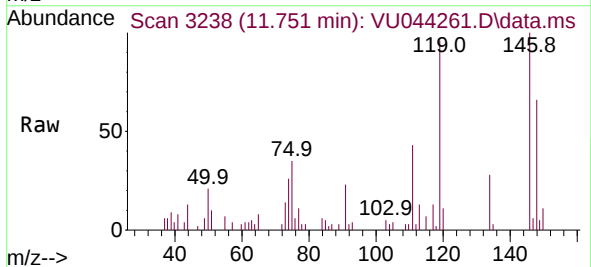
Instrument :
MSVOA_U
ClientSampled :
DBK24

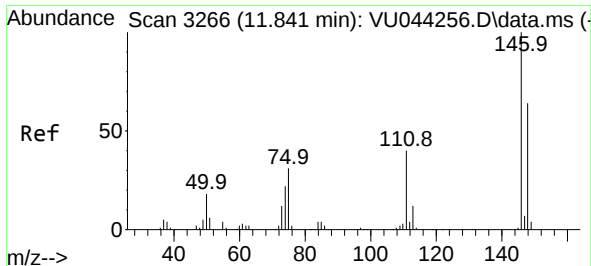
Tgt Ion:105 Resp: 121994
Ion Ratio Lower Upper
105 100
120 45.7 35.6 53.4



#64
1,3-Dichlorobenzene
Concen: 0.330 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. 0.000 min
Lab File: VU044261.D
Acq: 30 Jun 2021 14:46

Tgt Ion:146 Resp: 7794
Ion Ratio Lower Upper
146 100
111 43.0 29.8 55.3
148 66.3 45.8 85.2

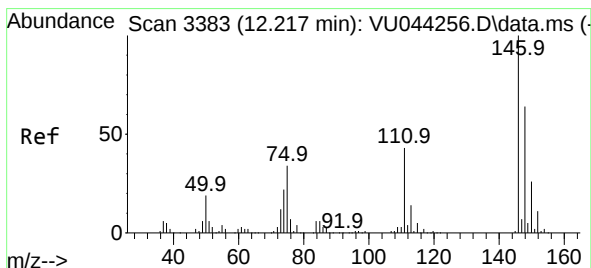
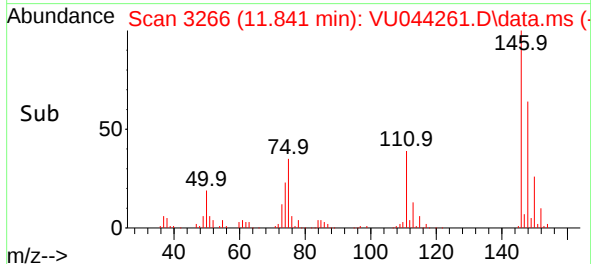
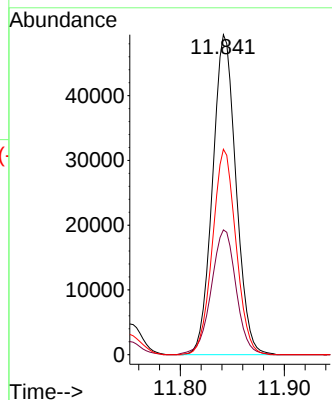
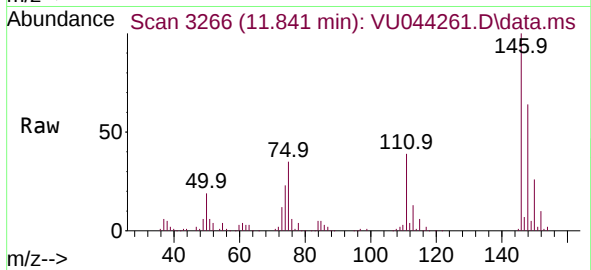




#65
1,4-Dichlorobenzene
Concen: 3.254 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU044261.D
Acq: 30 Jun 2021 14:46

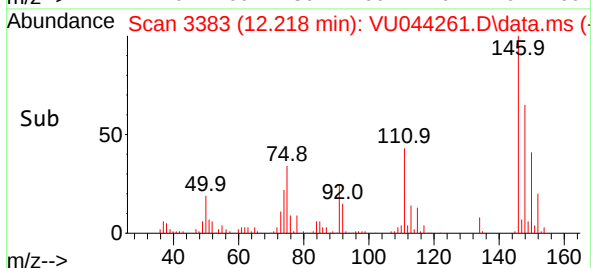
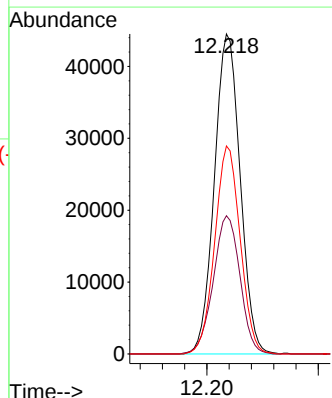
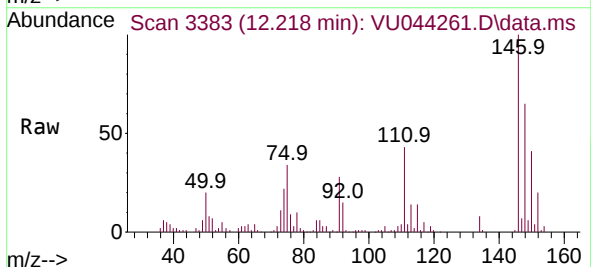
Instrument :
MSVOA_U
ClientSampled :
DBK24

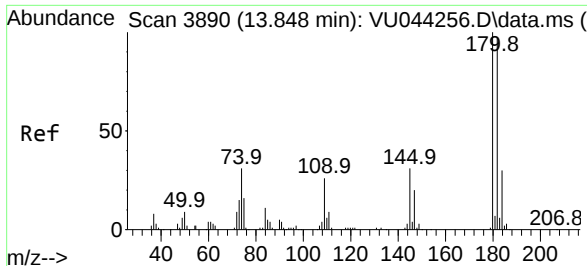
Tgt Ion:146 Resp: 77472
Ion Ratio Lower Upper
146 100
111 39.0 28.2 52.4
148 64.2 45.1 83.9



#67
1,2-Dichlorobenzene
Concen: 3.223 ug/L
RT: 12.218 min Scan# 3383
Delta R.T. 0.000 min
Lab File: VU044261.D
Acq: 30 Jun 2021 14:46

Tgt Ion:146 Resp: 71563
Ion Ratio Lower Upper
146 100
111 43.2 35.0 52.6
148 65.0 51.2 76.8

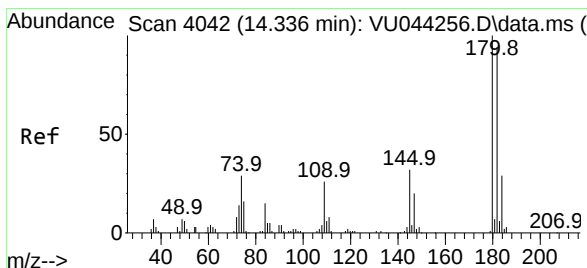
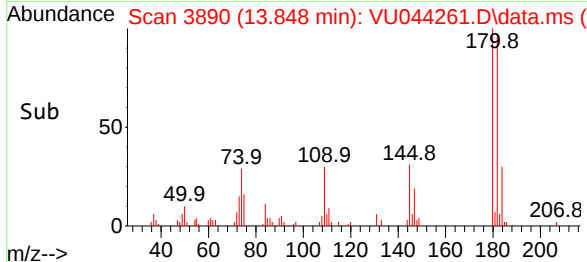
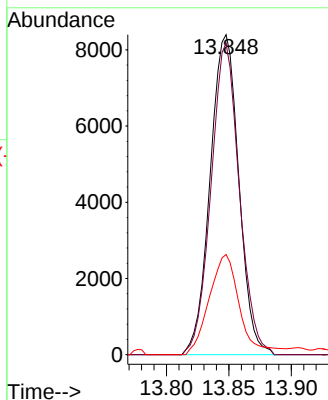
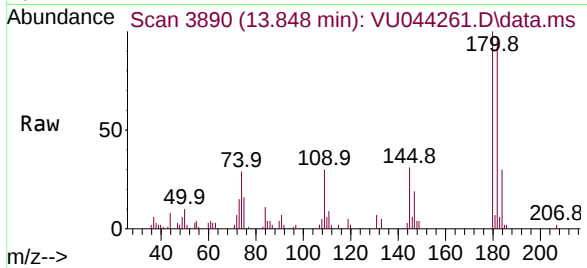




#70
1,2,4-trichlorobenzene
Concen: 0.881 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. 0.000 min
Lab File: VU044261.D
Acq: 30 Jun 2021 14:46

Instrument :
MSVOA_U
ClientSampleId :
DBK24

Tgt Ion:180 Resp: 13432
Ion Ratio Lower Upper
180 100
182 96.0 75.7 113.5
145 33.6 25.6 38.4



#72
1,2,3-Trichlorobenzene
Concen: 0.637 ug/L
RT: 14.336 min Scan# 4042
Delta R.T. 0.000 min
Lab File: VU044261.D
Acq: 30 Jun 2021 14:46

Tgt Ion:180 Resp: 8390
Ion Ratio Lower Upper
180 100
182 93.2 76.4 114.6
145 34.3 26.5 39.7

