

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
 Data File : VU044288.D
 Acq On : 01 Jul 2021 16:02
 Operator : SY/MD
 Sample : M2905-21
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBK32

Manual Integrations
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 7/6/2021 6:43:33 PM

Quant Time: Jul 02 01:53:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 02 01:46:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.301	114	132991	5.000	ug/L	0.04
28) Chlorobenzene-d5	9.433	117	124842	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	75841	5.000	ug/L	# 0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.633	65	31691	4.401	ug/L	0.03
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.000%
7) Chloroethane-d5	1.951	69	34114	4.812	ug/L	0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.200%
11) 1,1-Dichloroethene-d2	2.607	65	18598	5.032	ug/L	0.03
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.600%
20) 2-Butanone-d5	4.752	46	111602	42.090	ug/L	0.11
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.180%
24) Chloroform-d	5.137	84	75449	4.655	ug/L	0.06
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.774	65	43265	4.465	ug/L	0.06
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
32) Benzene-d6	5.793	84	148545	4.791	ug/L	0.06
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.800%
36) 1,2-Dichloropropane-d6	6.739	67	48055	4.782	ug/L	0.04
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.925	98	137021	4.762	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
43) trans-1,3-Dichloroprop...	8.205	79	19518	4.188	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.800%
46) 2-Hexanone-d5	8.658	63	112923	50.867	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.740%
56) 1,1,2,2-Tetrachloroeth...	10.767	84	43479m	4.867	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	12.201	152	64816	5.187	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.800%

Target Compounds				Qvalue		
5) Vinyl chloride	1.639	62	47856	5.092	ug/L #	24
8) Chloroethane	1.974	64	5521	0.863	ug/L #	57
13) Acetone	2.771	43	13654m	11.517	ug/L	
14) Carbon disulfide	2.835	76	5826	0.246	ug/L #	87
18) trans-1,2-Dichloroethene	3.395	96	19353	2.368	ug/L	93
19) 1,1-Dichloroethane	3.916	63	165000	10.584	ug/L	99
22) cis-1,2-Dichloroethene	4.723	96	8088	0.904	ug/L	85
30) Cyclohexane	5.459	56	13641	0.940	ug/L	95
33) Benzene	5.838	78	566635	17.302	ug/L	100
34) Trichloroethene	6.584	95	545	0.061	ug/L	95
35) Methylcyclohexane	6.806	83	9539	0.651	ug/L	92
37) 1,2-Dichloropropane	6.838	63	32197	3.723	ug/L	99
40) 4-Methyl-2-pentanone	7.829	43	10167	1.463	ug/L #	85
42) Toluene	7.996	91	207116	5.743	ug/L	99
51) Chlorobenzene	9.462	112	54416	2.356	ug/L	98
52) Ethylbenzene	9.584	91	691107	16.599	ug/L	100
53) m,p-Xylene	9.706	106	570172	36.165	ug/L	100
54) o-Xylene	10.111	106	61146	3.990	ug/L	95
60) Isopropylbenzene	10.494	105	294765	6.392	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	10.835	75	1519m	0.222	ug/L	
62) 1,3,5-Trimethylbenzene	11.099	105	1261793	31.402	ug/L	98
63) 1,2,4-Trimethylbenzene	11.478	105	2622935	63.820	ug/L	99
64) 1,3-Dichlorobenzene	11.754	146	2993	0.144	ug/L #	47
65) 1,4-Dichlorobenzene	11.845	146	9864	0.470	ug/L #	81
67) 1,2-Dichlorobenzene	12.221	146	6810	0.348	ug/L #	67

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

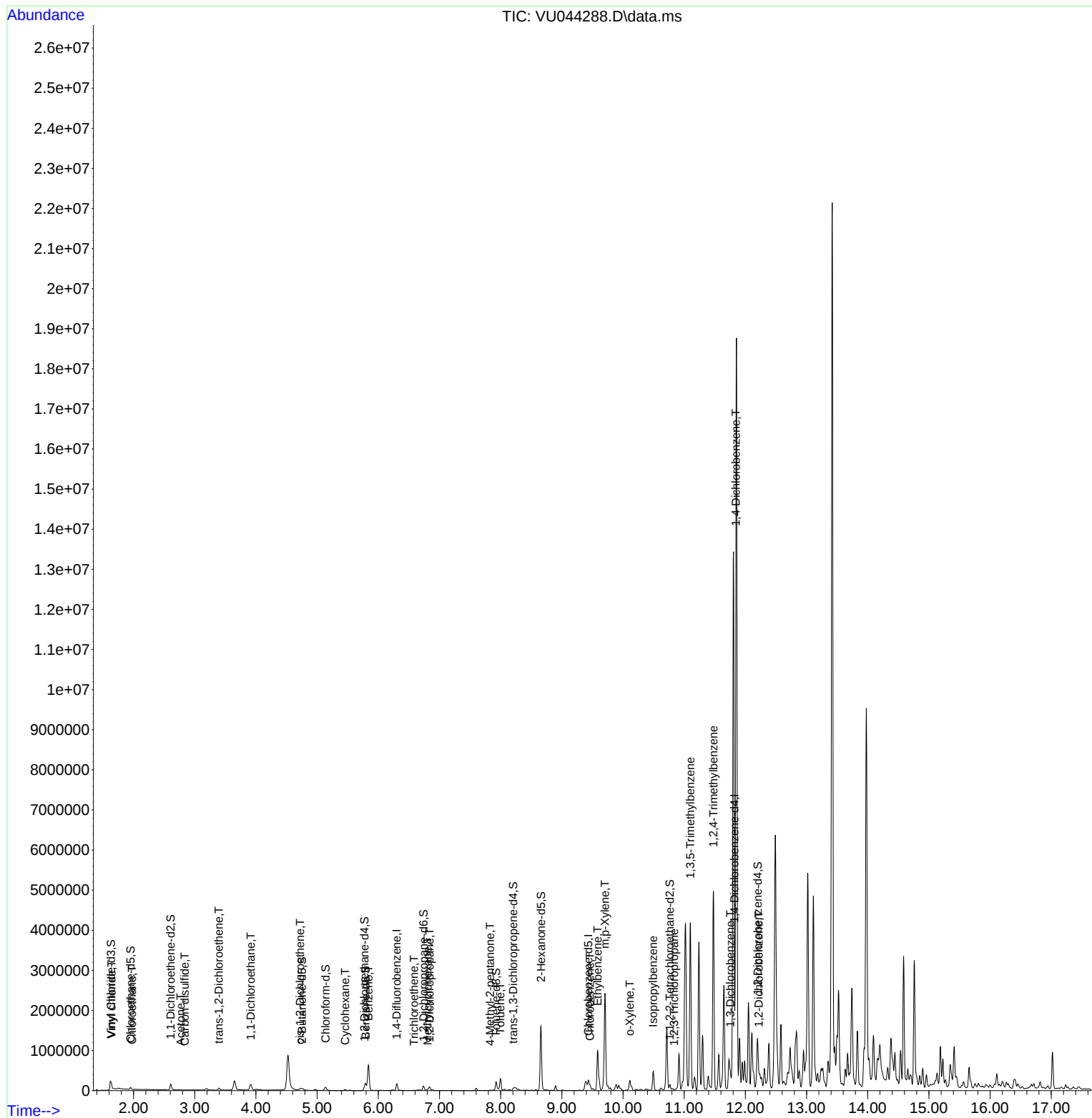
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Operator : SY/MD
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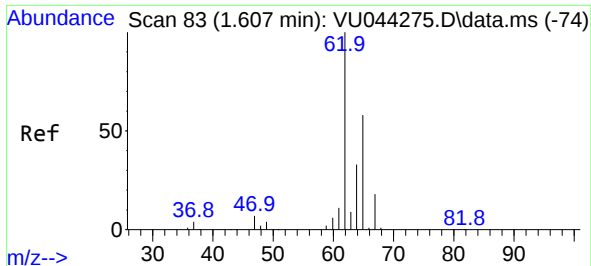
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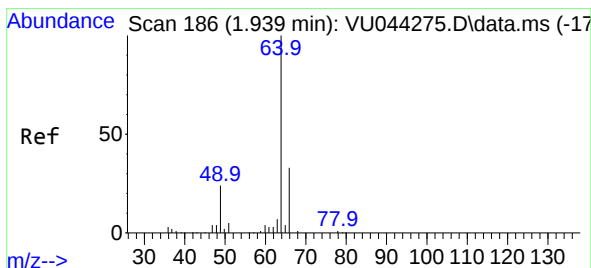
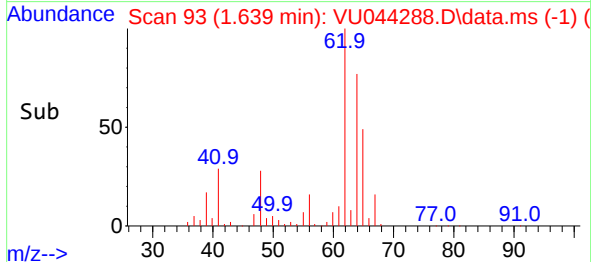
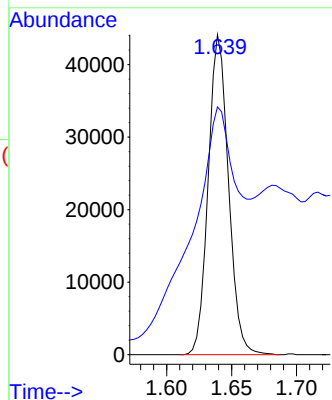
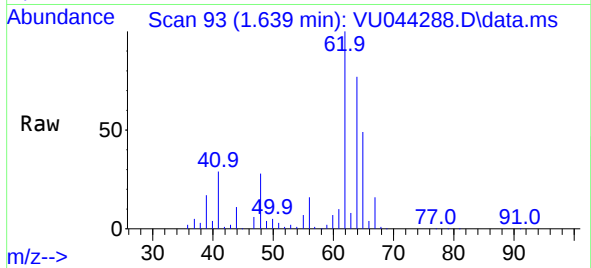
#5
 Vinyl chloride
 Concen: 5.092 ug/L
 RT: 1.639 min Scan# 93
 Delta R.T. 0.032 min
 Lab File: VU044288.D
 Acq: 01 Jul 2021 16:02

Tgt Ion: 62 Resp: 47856
 Ion Ratio Lower Upper
 62 100
 64 77.4 23.7 44.1#

Instrument :
 MSVOA_U
 ClientSampled :
 DBK32

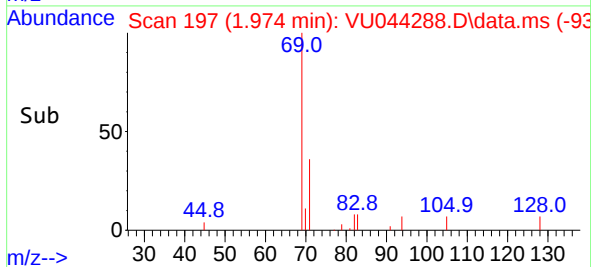
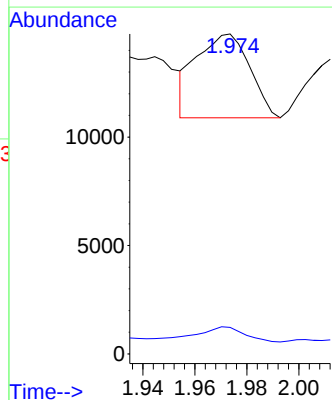
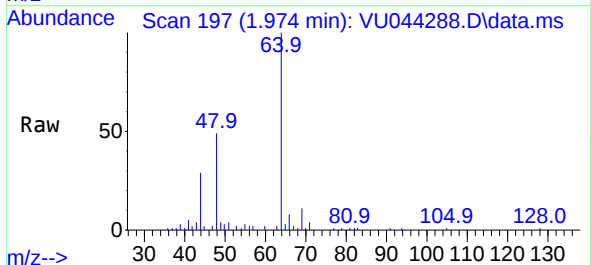
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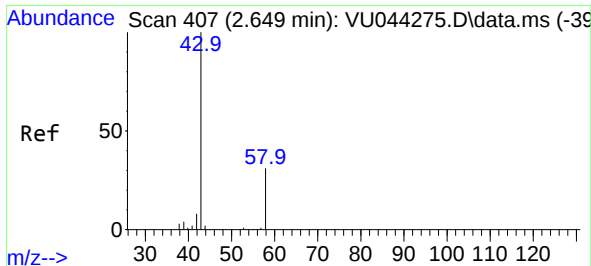
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#8
 Chloroethane
 Concen: 0.863 ug/L
 RT: 1.974 min Scan# 197
 Delta R.T. 0.035 min
 Lab File: VU044288.D
 Acq: 01 Jul 2021 16:02

Tgt Ion: 64 Resp: 5521
 Ion Ratio Lower Upper
 64 100
 66 8.3 22.7 42.3#





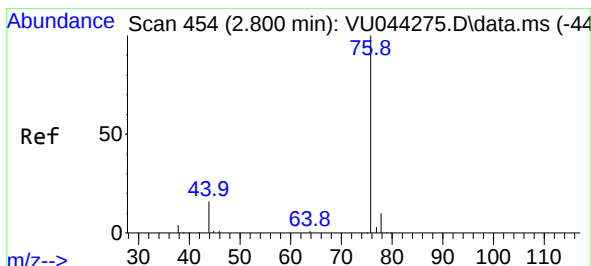
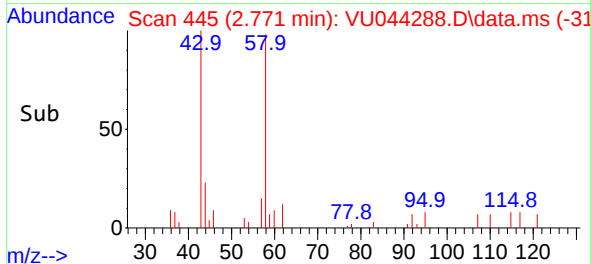
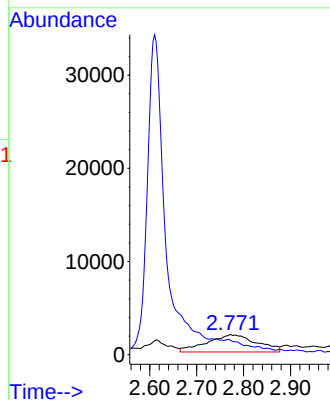
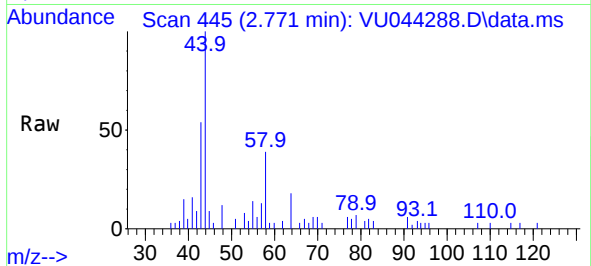
#13
Acetone
Concen: 11.517 ug/L m
RT: 2.771 min Scan# 445
Delta R.T. 0.122 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02

Tgt Ion: 43 Resp: 13654
Ion Ratio Lower Upper
43 100
58 639.5 0.0 53.8#

Instrument :
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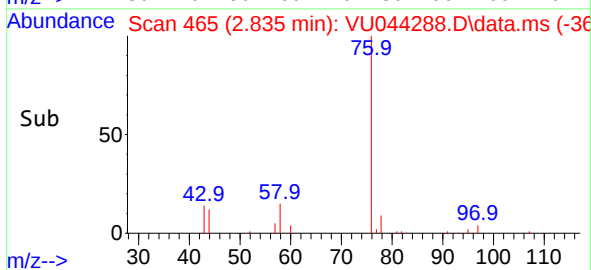
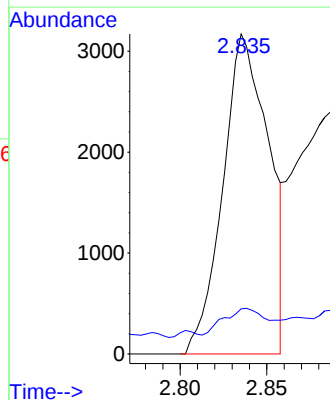
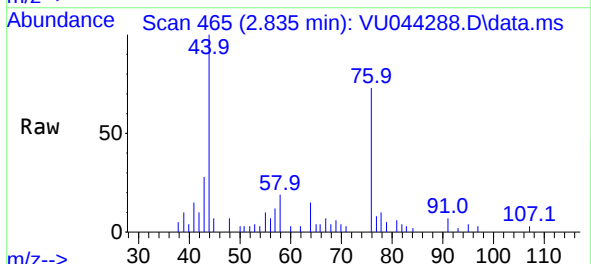
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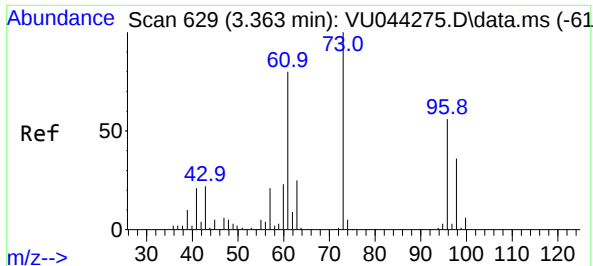
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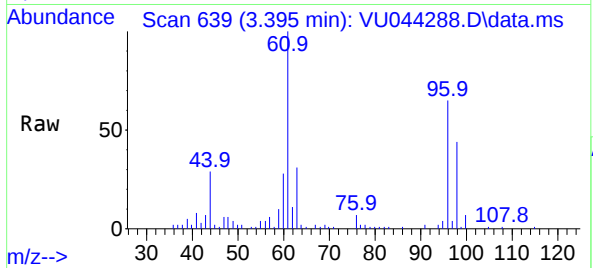
#14
Carbon disulfide
Concen: 0.246 ug/L
RT: 2.835 min Scan# 465
Delta R.T. 0.035 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02

Tgt Ion: 76 Resp: 5826
Ion Ratio Lower Upper
76 100
78 14.1 7.4 11.2#

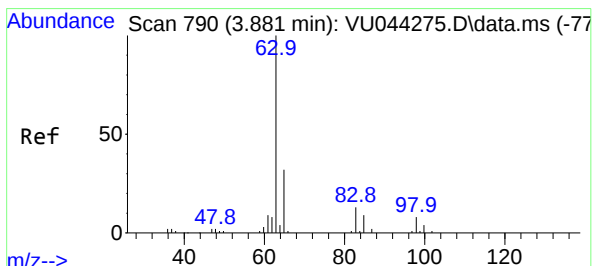
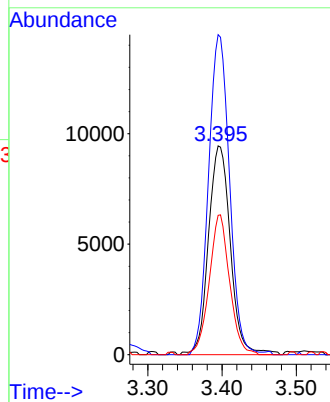
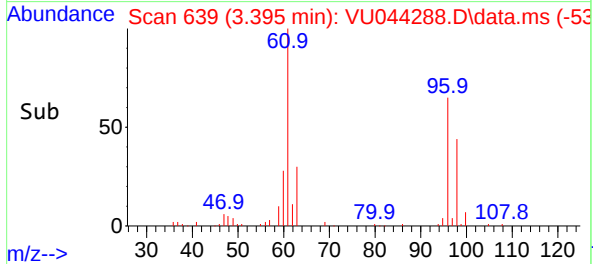




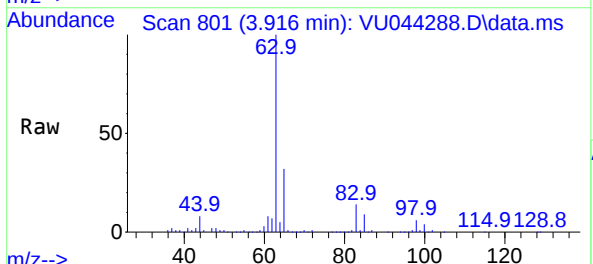
#18
trans-1,2-Dichloroethene
Concen: 2.368 ug/L
RT: 3.395 min Scan# 639
Delta R.T. 0.032 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02



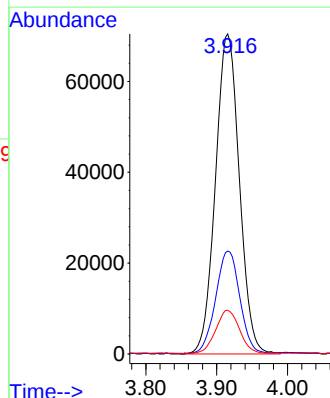
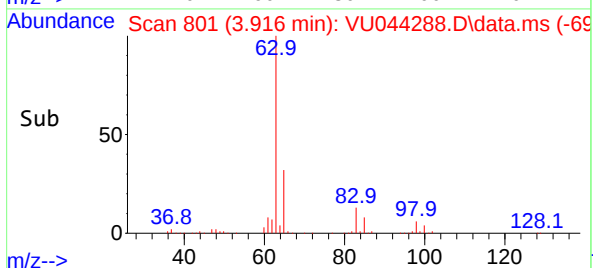
Tgt Ion: 96 Resp: 19353
Ion Ratio Lower Upper
96 100
61 153.2 100.2 186.2
98 66.7 44.9 83.5



#19
1,1-Dichloroethane
Concen: 10.584 ug/L
RT: 3.916 min Scan# 801
Delta R.T. 0.035 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02



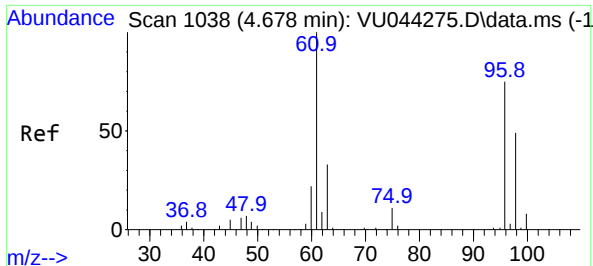
Tgt Ion: 63 Resp: 165000
Ion Ratio Lower Upper
63 100
65 32.2 22.3 41.3
83 13.7 9.9 18.5



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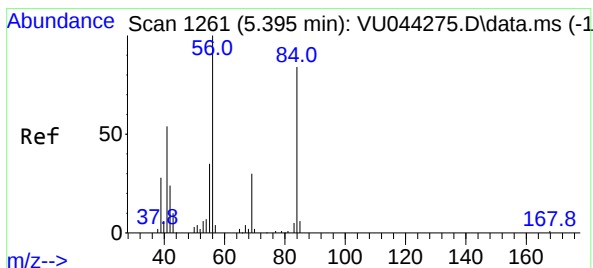
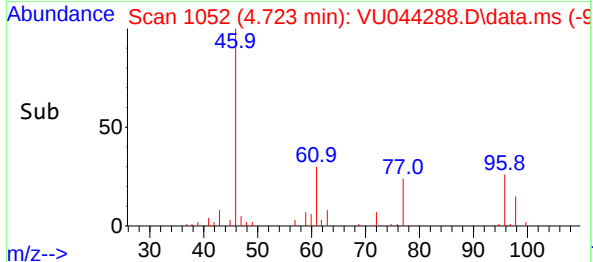
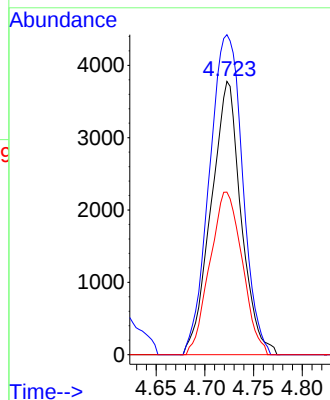
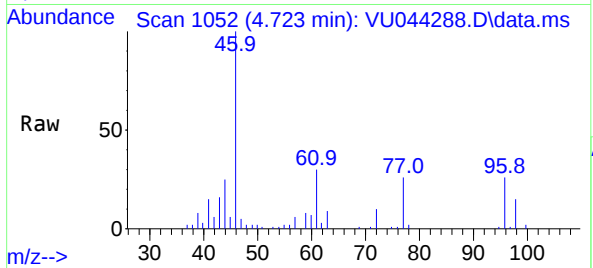
#22
 cis-1,2-Dichloroethene
 Concen: 0.904 ug/L
 RT: 4.723 min Scan# 1052
 Delta R.T. 0.045 min
 Lab File: VU044288.D
 Acq: 01 Jul 2021 16:02

Tgt Ion:	96	Resp:	8088
Ion	Ratio	Lower	Upper
96	100		
61	117.1	98.8	183.6
98	59.5	44.8	83.2

Instrument :
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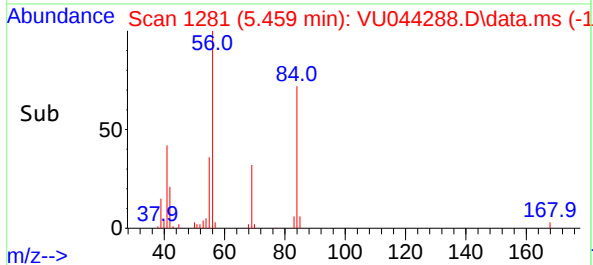
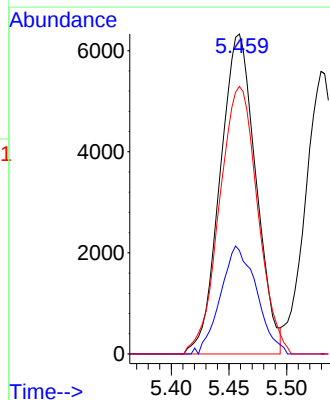
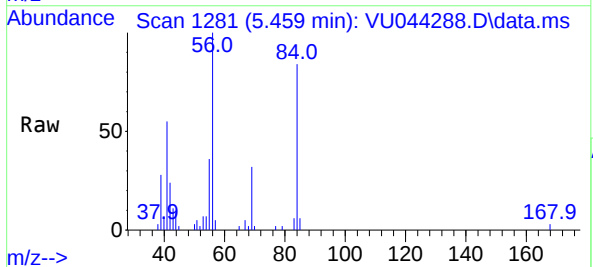
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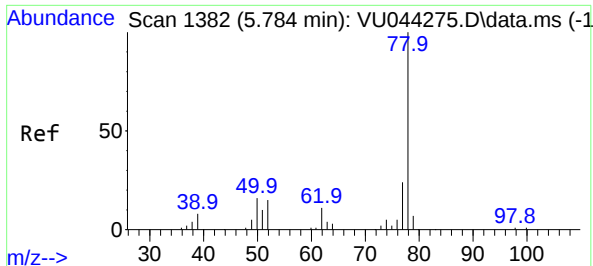
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#30
 Cyclohexane
 Concen: 0.940 ug/L
 RT: 5.459 min Scan# 1281
 Delta R.T. 0.064 min
 Lab File: VU044288.D
 Acq: 01 Jul 2021 16:02

Tgt Ion:	56	Resp:	13641
Ion	Ratio	Lower	Upper
56	100		
69	33.9	24.8	37.2
84	89.1	67.8	101.8



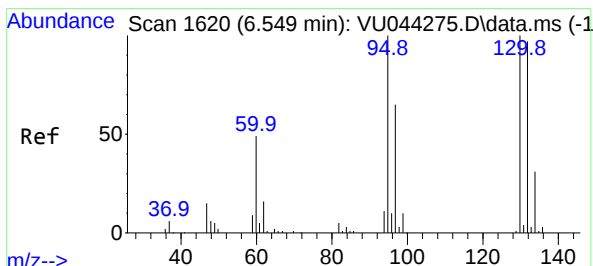
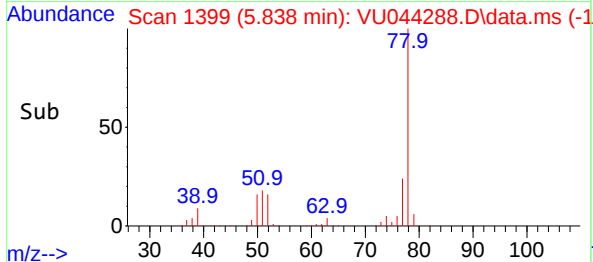
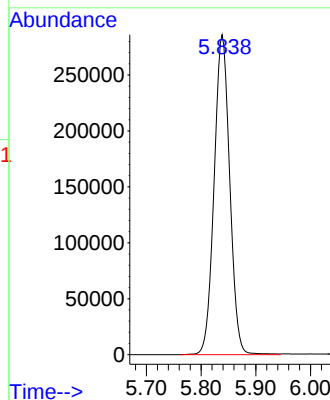
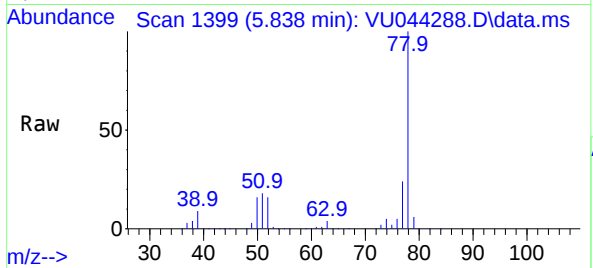


#33
Benzene
Concen: 17.302 ug/L
RT: 5.838 min Scan# 1399
Delta R.T. 0.054 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02
Tgt Ion: 78 Resp: 566635

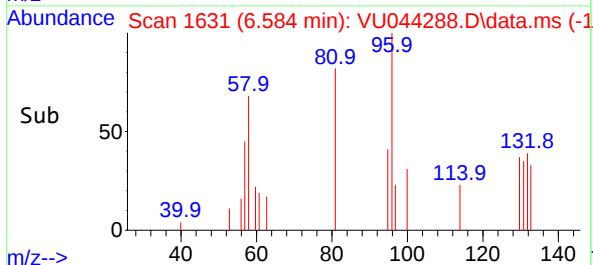
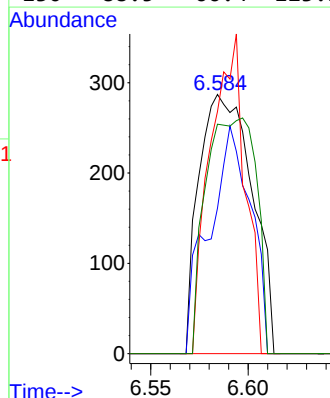
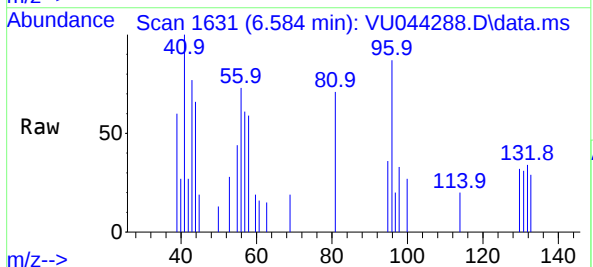
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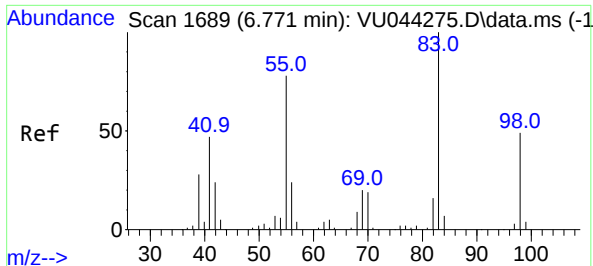
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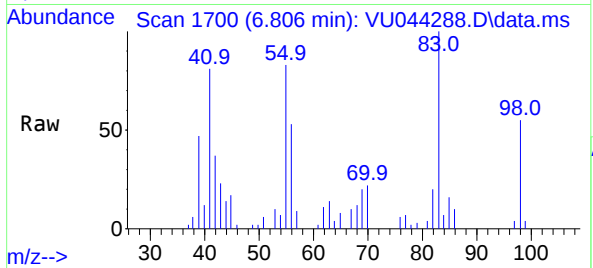


#34
Trichloroethene
Concen: 0.061 ug/L
RT: 6.584 min Scan# 1631
Delta R.T. 0.035 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02
Tgt Ion: 95 Resp: 545

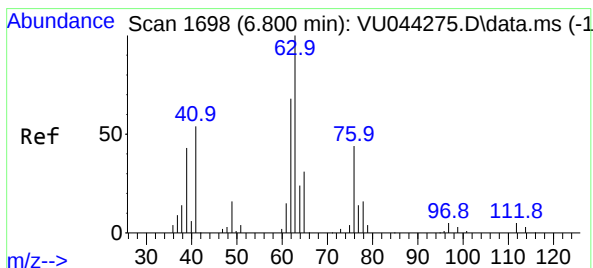
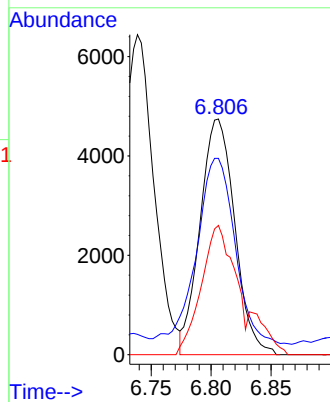
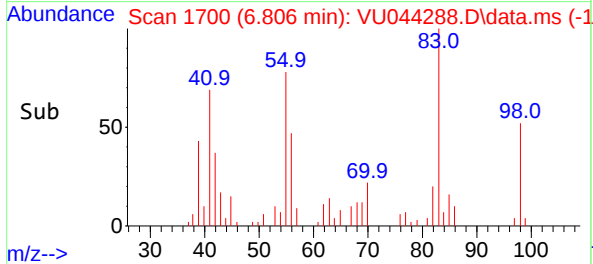




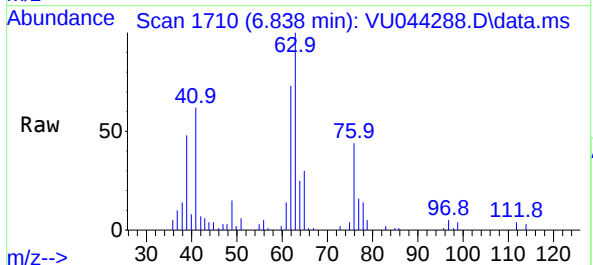
#35
Methylcyclohexane
Concen: 0.651 ug/L
RT: 6.806 min Scan# 1700
Delta R.T. 0.035 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02



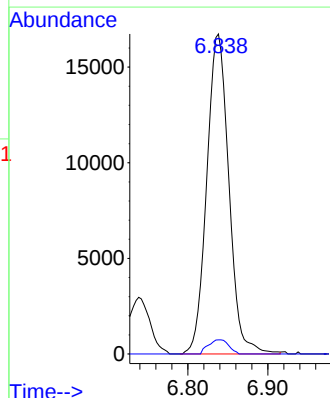
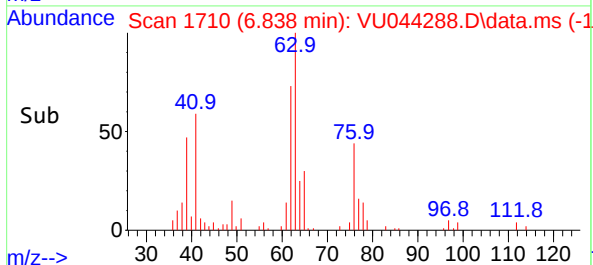
Tgt Ion:	83	Resp:	9539
Ion	Ratio	Lower	Upper
83	100		
55	87.4	63.4	95.0
98	52.4	39.4	59.0



#37
1,2-Dichloropropane
Concen: 3.723 ug/L
RT: 6.838 min Scan# 1710
Delta R.T. 0.038 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02



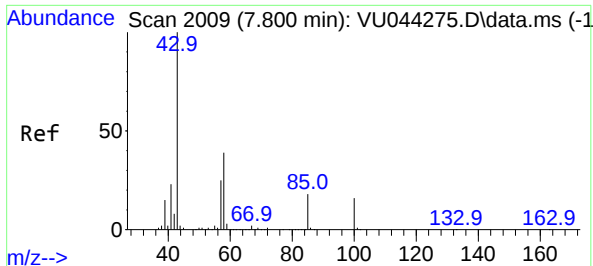
Tgt Ion:	63	Resp:	32197
Ion	Ratio	Lower	Upper
63	100		
112	4.1	3.5	5.3



Instrument :
MSVOA_U
ClientSampleId :
DBK32

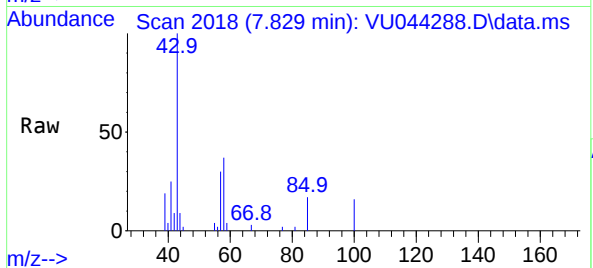
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#40
4-Methyl-2-pentanone
Concen: 1.463 ug/L
RT: 7.829 min Scan# 2018
Delta R.T. 0.029 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02

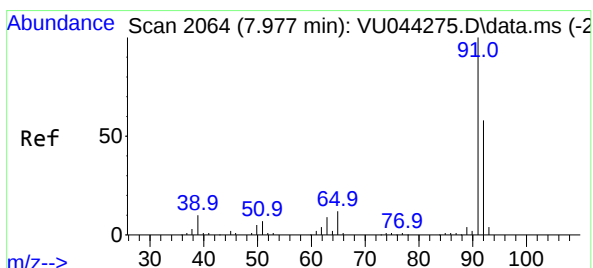
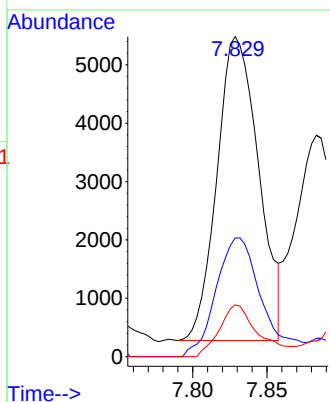
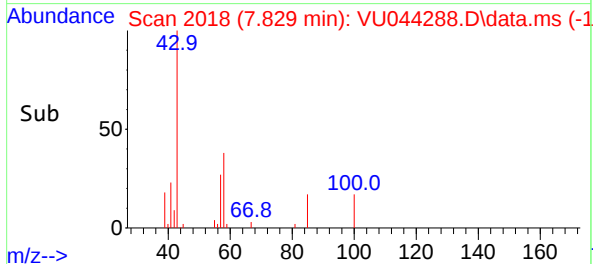
Instrument :
MSVOA_U
ClientSampled :
DBK32



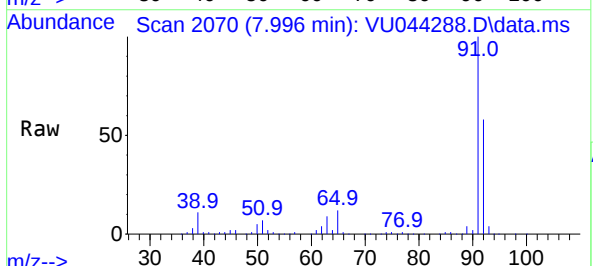
Tgt Ion: 43 Resp: 10167
Ion Ratio Lower Upper
43 100
58 43.3 31.2 46.8
100 0.0 12.3 18.5#

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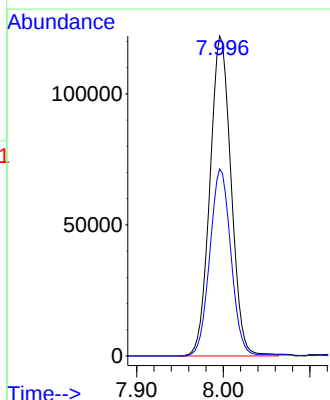
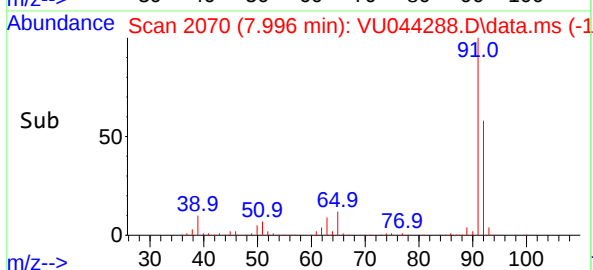
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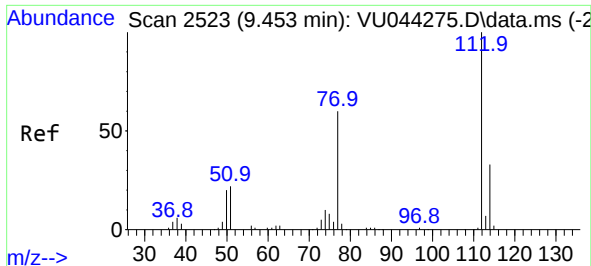


#42
Toluene
Concen: 5.743 ug/L
RT: 7.996 min Scan# 2070
Delta R.T. 0.019 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02



Tgt Ion: 91 Resp: 207116
Ion Ratio Lower Upper
91 100
92 58.5 41.2 76.6





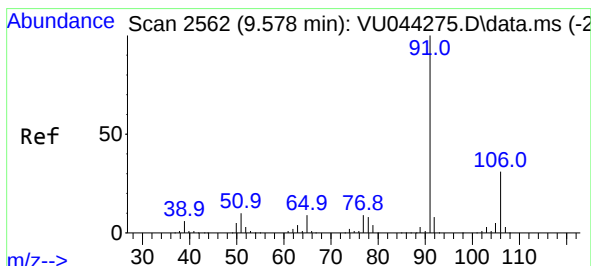
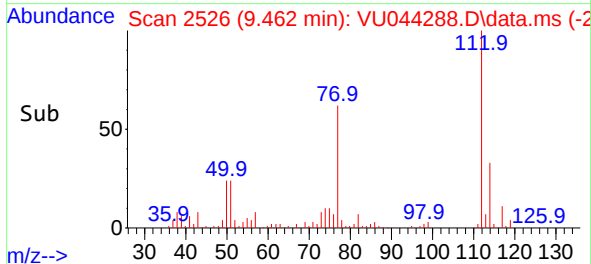
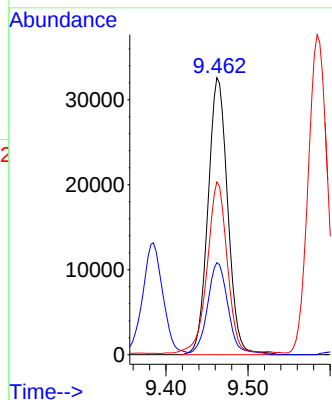
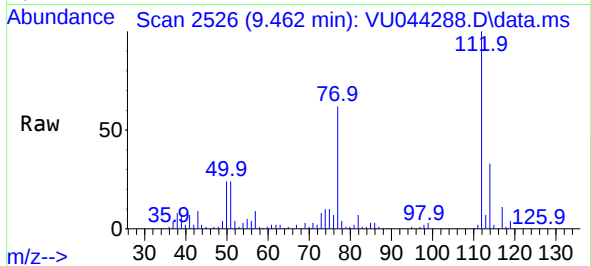
#51
Chlorobenzene
Concen: 2.356 ug/L
RT: 9.462 min Scan# 2526
Delta R.T. 0.009 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02

Tgt Ion: 112 Resp: 54416
Ion Ratio Lower Upper
112 100
114 33.2 22.0 41.0
77 62.4 48.9 73.3

Instrument :
MSVOA_U
ClientSampled :
DBK32

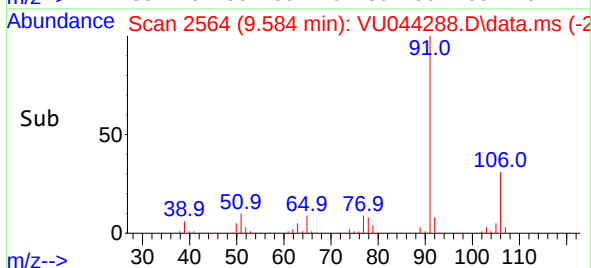
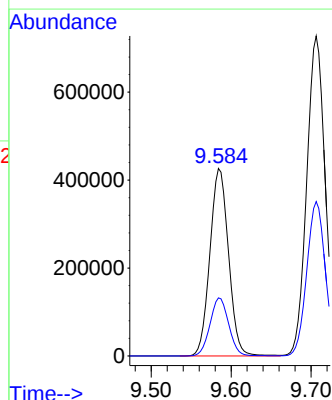
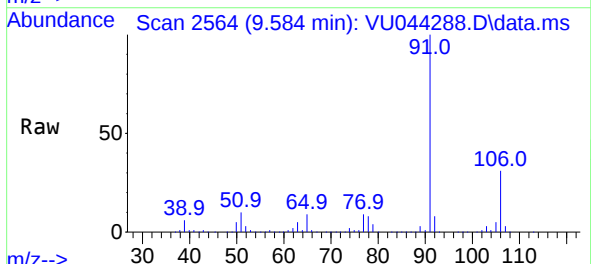
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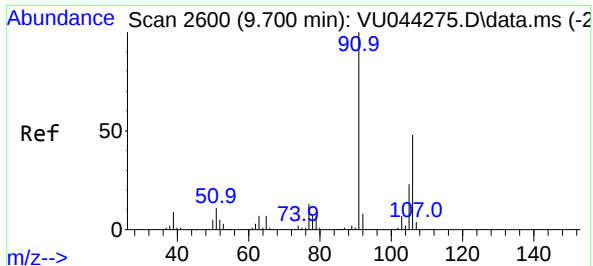
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#52
Ethylbenzene
Concen: 16.599 ug/L
RT: 9.584 min Scan# 2564
Delta R.T. 0.006 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02

Tgt Ion: 91 Resp: 691107
Ion Ratio Lower Upper
91 100
106 31.0 21.6 40.2





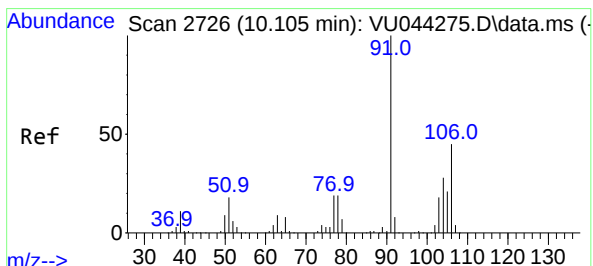
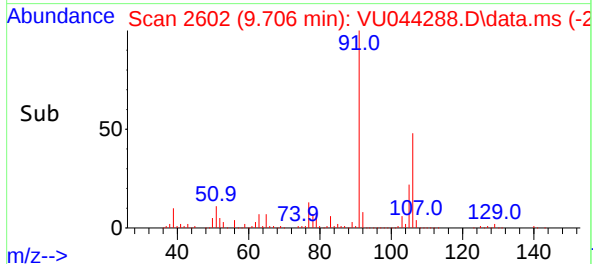
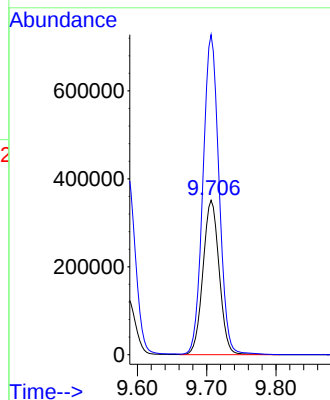
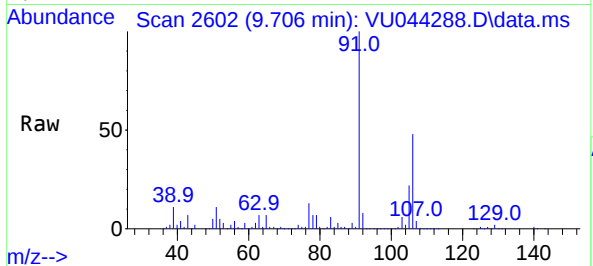
#53
m,p-Xylene
Concen: 36.165 ug/L
RT: 9.706 min Scan# 2602
Delta R.T. 0.006 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02

Tgt Ion:106 Resp: 570172
Ion Ratio Lower Upper
106 100
91 207.3 144.8 269.0

Instrument :
MSVOA_U
ClientSampled :
DBK32

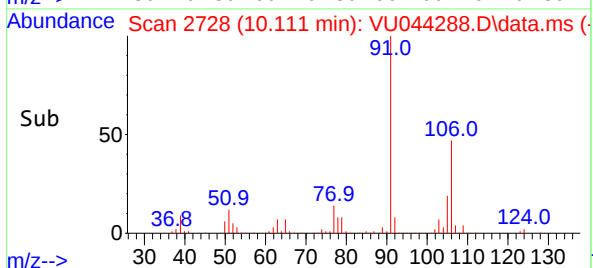
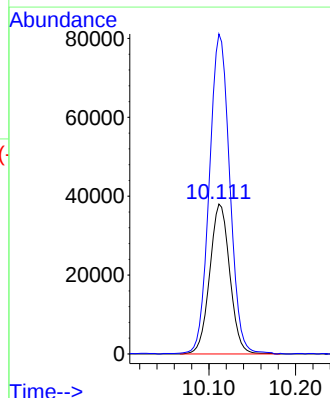
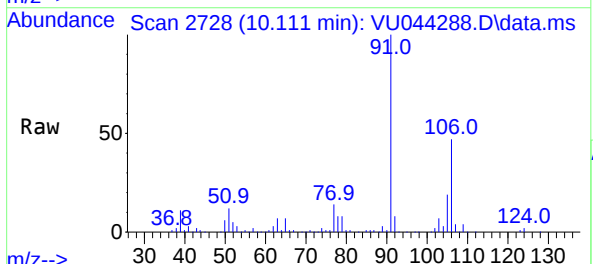
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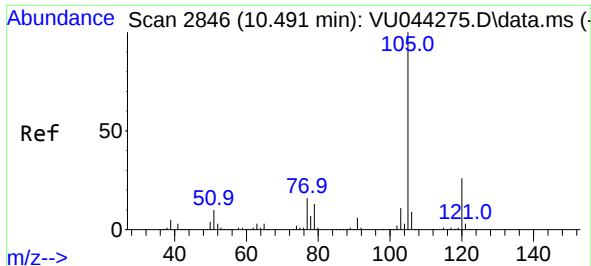
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#54
o-Xylene
Concen: 3.990 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. 0.006 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02

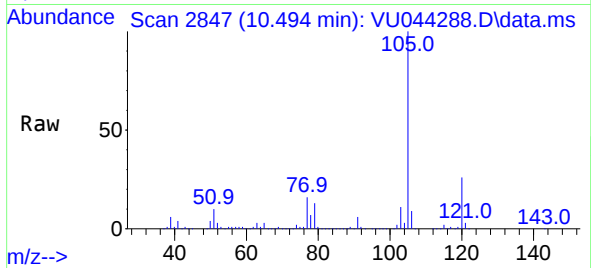
Tgt Ion:106 Resp: 61146
Ion Ratio Lower Upper
106 100
91 213.5 154.8 287.4





#60
Isopropylbenzene
Concen: 6.392 ug/L
RT: 10.494 min Scan# 2847
Delta R.T. 0.003 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02

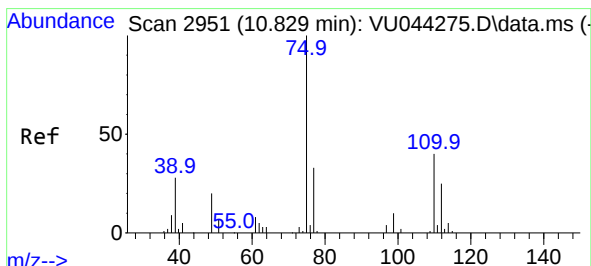
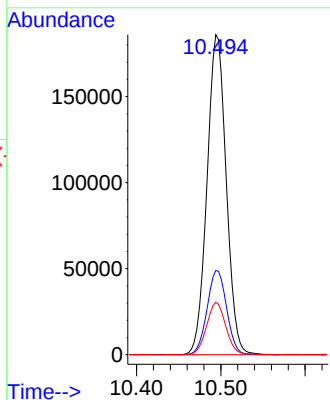
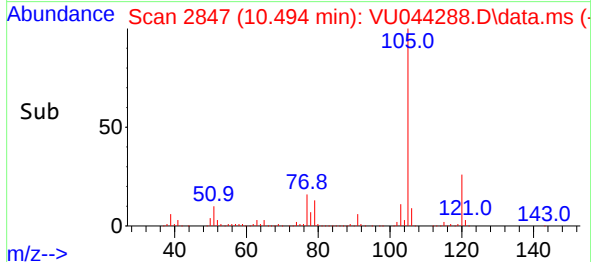
Instrument :
MSVOA_U
ClientSampled :
DBK32



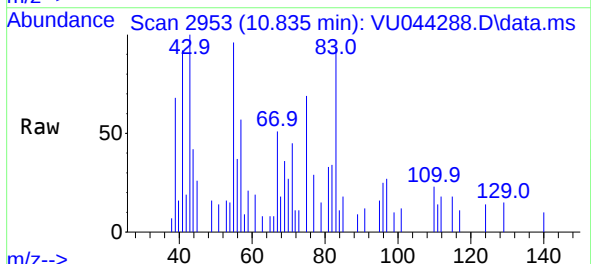
Tgt Ion:105 Resp: 294765
Ion Ratio Lower Upper
105 100
120 26.7 20.7 31.1
77 16.4 12.9 19.3

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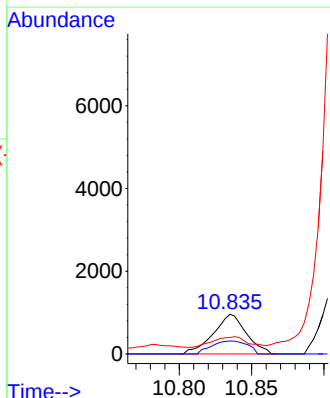
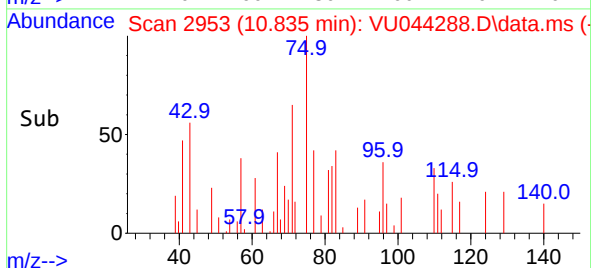
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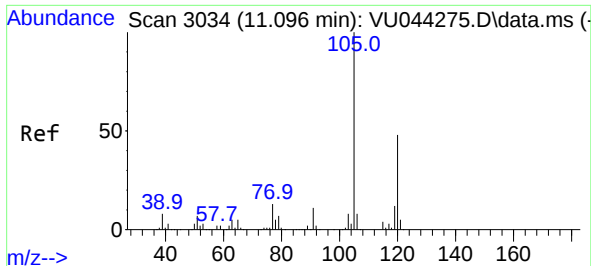


#61
1,2,3-Trichloropropane
Concen: 0.222 ug/L m
RT: 10.835 min Scan# 2953
Delta R.T. 0.006 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02



Tgt Ion: 75 Resp: 1519
Ion Ratio Lower Upper
75 100
110 0.0 30.5 45.7#
77 1754.0 26.1 39.1#





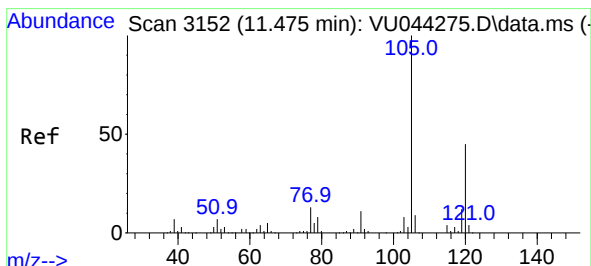
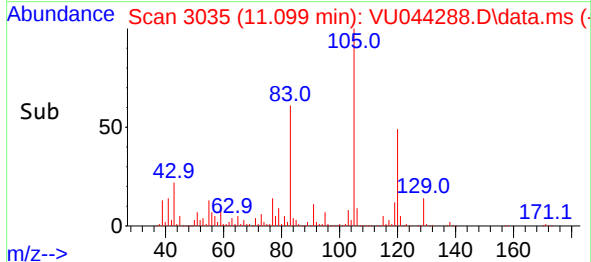
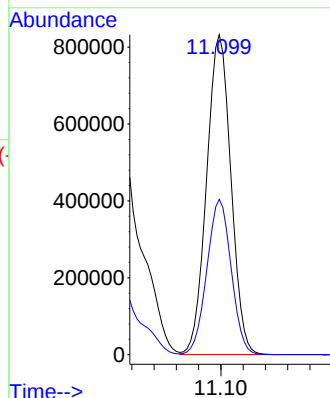
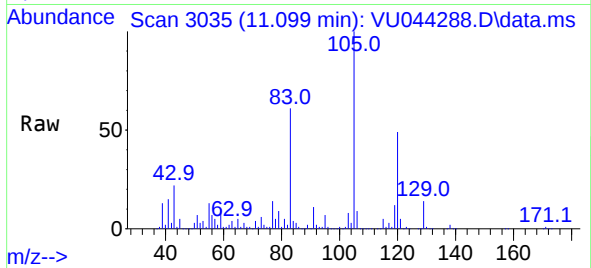
#62
1,3,5-Trimethylbenzene
Concen: 31.402 ug/L
RT: 11.099 min Scan# 3035
Delta R.T. 0.003 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02

Tgt Ion:105 Resp: 1261793
Ion Ratio Lower Upper
105 100
120 48.5 38.0 57.0

Instrument :
MSVOA_U
ClientSampled :
DBK32

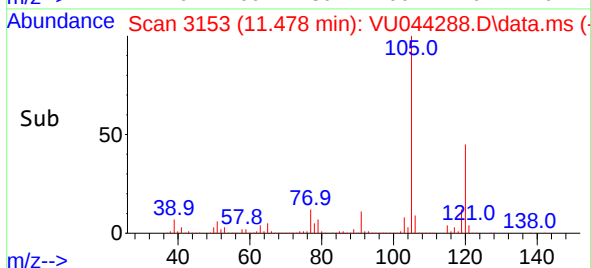
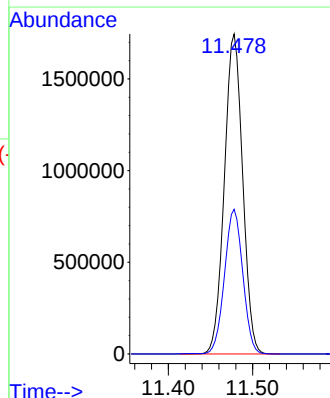
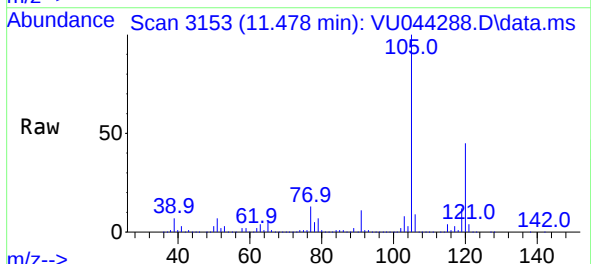
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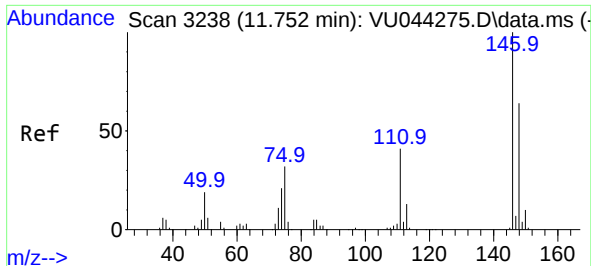
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#63
1,2,4-Trimethylbenzene
Concen: 63.820 ug/L
RT: 11.478 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02

Tgt Ion:105 Resp: 2622935
Ion Ratio Lower Upper
105 100
120 45.2 35.6 53.4





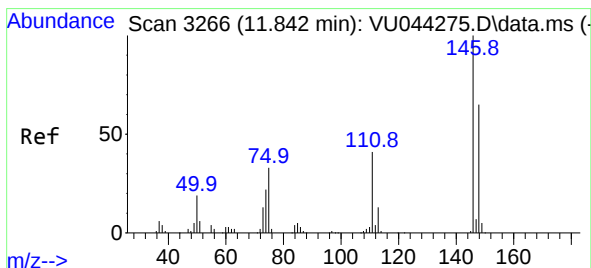
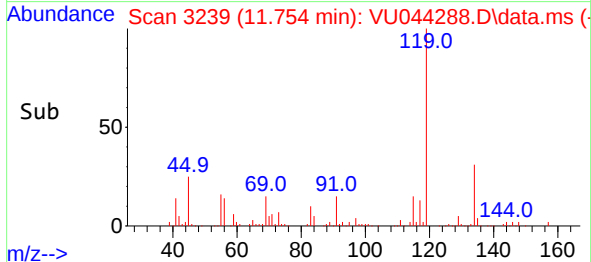
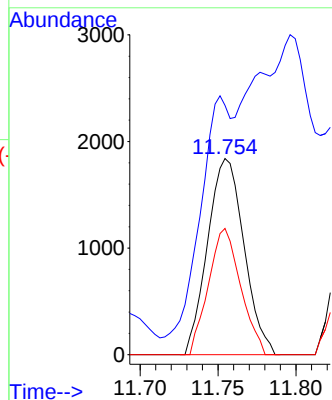
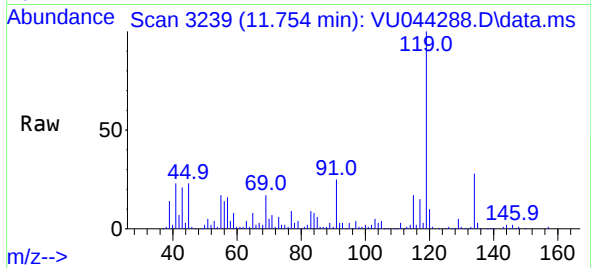
#64
1,3-Dichlorobenzene
Concen: 0.144 ug/L
RT: 11.754 min Scan# 3239
Delta R.T. 0.003 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02

Tgt Ion:146 Resp: 2993
Ion Ratio Lower Upper
146 100
111 127.0 29.8 55.3#
148 64.4 45.8 85.2

Instrument :
MSVOA_U
ClientSampled :
DBK32

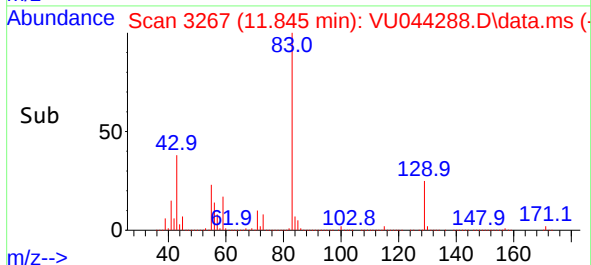
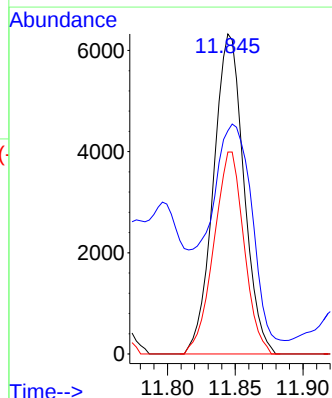
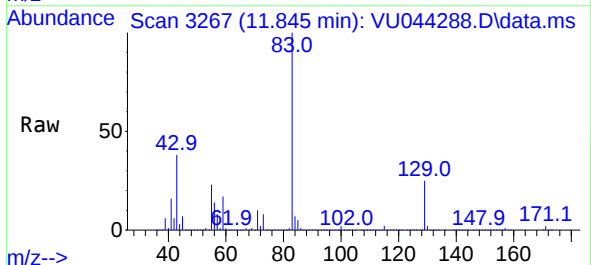
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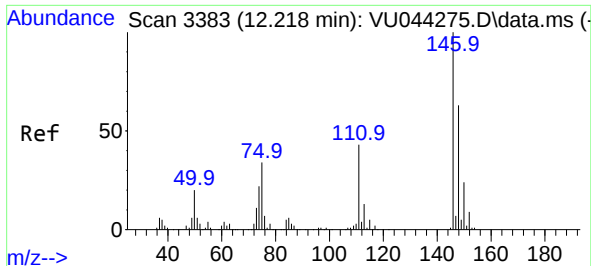
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#65
1,4-Dichlorobenzene
Concen: 0.470 ug/L
RT: 11.845 min Scan# 3267
Delta R.T. 0.003 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02

Tgt Ion:146 Resp: 9864
Ion Ratio Lower Upper
146 100
111 69.7 28.2 52.4#
148 63.1 45.1 83.9





#67
1,2-Dichlorobenzene
Concen: 0.348 ug/L
RT: 12.221 min Scan# 3384
Delta R.T. 0.003 min
Lab File: VU044288.D
Acq: 01 Jul 2021 16:02

Tgt Ion:146 Resp: 6810
Ion Ratio Lower Upper
146 100
111 91.7 35.0 52.6#
148 67.4 51.2 76.8

Instrument :
MSVOA_U
ClientSampled :
DBK32

Manual Integrations
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