

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072419\
 Data File : VU033390.D
 Acq On : 24 Jul 2019 13:35
 Operator : JC/SP
 Sample : VU0724WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VU0724WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 12:18:36 PM

Quant Time: Jul 25 11:56:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 24 03:53:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	26120	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.30	95	10207	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	11591	1.10	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	23587	2.183	ug/l	96
3) Chloromethane	1.33	50	24357	2.043	ug/l	96
4) Vinyl Chloride	1.40	62	27522	2.069	ug/l	100
5) Bromomethane	1.62	94	19632	2.344	ug/l	95
6) Chloroethane	1.69	64	16979	1.817	ug/l	98
7) Trichlorofluoromethane	1.88	101	38132	2.087	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	20576	2.183	ug/l	97
9) 1,1-Dichloroethene	2.27	96	20392	2.197	ug/l	95
10) Iodomethane	2.40	142	19977	1.602	ug/l	98
11) Allyl Chloride	2.58	41	30974	2.022	ug/l	99
12) Acrylonitrile	2.92	53	10039	3.875	ug/l	95
13) Acetone	2.31	43	21608	9.775	ug/l	95
14) Carbon Disulfide	2.46	76	73187	2.075	ug/l	99
15) Methylene Chloride	2.68	84	26386	2.108	ug/l	95
16) trans-1,2-Dichloroethene	2.96	96	23084	2.094	ug/l	97
17) 1,1-Dichloroethane	3.42	63	31364	2.120	ug/l	98
18) 2-Butanone	4.26	43	17876	8.473	ug/l	98
19) Cyclohexane	4.96	56	20968m	1.931	ug/l	
20) Methylcyclohexane	6.39	83	19869	1.818	ug/l	96
21) 2,2-Dichloropropane	4.20	77	27517	2.195	ug/l	98
22) cis-1,2-Dichloroethene	4.20	96	17052	2.041	ug/l	95
23) Diethyl Ether	2.09	59	15334	1.917	ug/l	95
24) tert-Butyl Alcohol	2.82	59	19838	15.648	ug/l	99
25) Methyl tert-Butyl Ether	2.98	73	51896	1.942	ug/l	99
26) Bromochloromethane	4.53	128	7863	2.141	ug/l	98
27) Chloroform	4.65	83	36187	2.141	ug/l	99
28) 1,1,1-Trichloroethane	4.89	97	28054	2.143	ug/l	97
29) 1,1-Dichloropropene	5.11	75	20467	1.896	ug/l	99
30) Carbon Tetrachloride	5.11	117	23839	2.069	ug/l	99
31) Isopropyl Ether	3.56	45	36242	1.938	ug/l	93
32) Ethyl-t-butyl ether	4.05	59	33375	1.857	ug/l	97
33) Tert-Amyl methyl ether	5.56	73	29819	1.845	ug/l	99
34) Propionitrile	4.32	54	5759	9.515	ug/l #	88
35) Benzene	5.37	78	64610	2.071	ug/l	100
36) 1,2-Dichloroethane	5.38	62	21828	2.103	ug/l	100
37) Trichloroethene	6.16	130	16565	2.012	ug/l	98
38) 1,2-Dichloropropane	6.41	63	17646	2.050	ug/l	94
39) Methacrylonitrile	4.53	41	4212	1.753	ug/l #	85
40) Methyl acrylate	4.41	55	6510	1.742	ug/l #	72
41) Tetrahydrofuran	4.63	42	4056	3.367	ug/l	94
42) 1-Chlorobutane	5.04	56	28630	1.978	ug/l	95

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 ClientSampleId :
 VU0724WBSD01

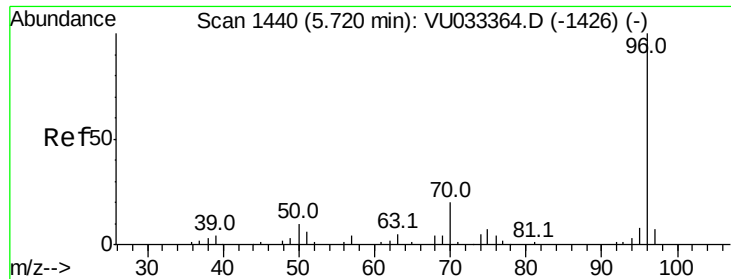
Manual Integrations
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Quant Time: Jul 25 11:56:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 24 03:53:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	9557	2.006	ug/l	98
44) Bromodichloromethane	6.74	83	24225	2.109	ug/l	96
45) 4-Methyl-2-Pentanone	7.45	43	42625	8.772	ug/l	95
46) t-1,4-Dichloro-2-butene	10.50	75	7048m	3.594	ug/l	
47) Methyl methacrylate	6.61	69	12481	3.437	ug/l	99
48) Ethyl methacrylate	8.01	69	11314	1.768	ug/l	94
49) Toluene	7.62	92	35417	1.982	ug/l	96
50) t-1,3-Dichloropropene	7.86	75	17489	1.825	ug/l	96
51) cis-1,3-Dichloropropene	7.25	75	21780	1.925	ug/l	97
52) 1,1,2-Trichloroethane	8.05	97	12701	1.995	ug/l	91
53) 1,3-Dichloropropane	8.23	76	21461	1.995	ug/l	100
54) 2-Hexanone	8.35	43	28234	8.254	ug/l	94
55) Dibromochloromethane	8.46	129	15893	2.137	ug/l	97
56) 1,2-Dibromoethane	8.57	107	11469	1.932	ug/l	99
58) Tetrachloroethene	8.21	164	15978	2.140	ug/l	93
59) Chlorobenzene	9.11	112	40173	1.961	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.19	131	16999	2.185	ug/l	96
61) Pentachloroethane	11.09	117	13837	2.167	ug/l	96
62) Hexachloroethane	12.13	117	12957	2.097	ug/l	100
63) Ethyl Benzene	9.23	91	61958	1.884	ug/l	99
64) m/p-Xylenes	9.36	106	50102	3.810	ug/l	94
65) o-Xylene	9.76	106	23429	1.859	ug/l	99
66) Styrene	9.78	104	40478	1.893	ug/l	99
67) Bromoform	9.95	173	8707	2.163	ug/l	96
69) Isopropylbenzene	10.15	105	63138	1.954	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.44	83	17958	2.128	ug/l	95
71) 1,2,3-Trichloropropane	10.48	75	11857m	1.820	ug/l	
72) Bromobenzene	10.44	156	16792	1.967	ug/l	91
73) n-propylbenzene	10.57	120	17798	1.932	ug/l	99
74) 2-Chlorotoluene	10.65	126	17817	2.119	ug/l	95
75) 1,3,5-Trimethylbenzene	10.76	105	56678	1.954	ug/l	99
76) 4-Chlorotoluene	10.76	126	17905	2.044	ug/l	96
77) tert-Butylbenzene	11.09	119	54963	1.999	ug/l	98
78) 1,2,4-Trimethylbenzene	11.13	105	57778	1.948	ug/l	100
79) sec-Butylbenzene	11.31	105	74922	1.980	ug/l	98
80) Nitrobenzene	12.86	77	1279	3.646	ug/l #	73
81) p-Isopropyltoluene	11.46	119	61335	1.993	ug/l	98
82) 1,3-Dichlorobenzene	11.40	146	37108	2.045	ug/l	98
83) 1,4-Dichlorobenzene	11.49	146	34834	1.941	ug/l	93
84) n-Butylbenzene	11.87	91	60541	1.923	ug/l	97
85) 1,2-Dichlorobenzene	11.86	146	33873	1.991	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.64	75	2480	1.868	ug/l	98
87) 1,2,4-Trichlorobenzene	13.49	180	18877	1.865	ug/l	98
88) Hexachlorobutadiene	13.68	225	13890	2.225	ug/l	93
89) Naphthalene	13.73	128	28427	1.814	ug/l	95
90) 1,2,3-Trichlorobenzene	13.98	180	18248	1.858	ug/l	93

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

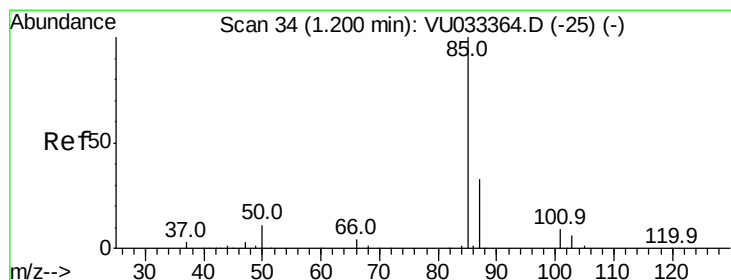
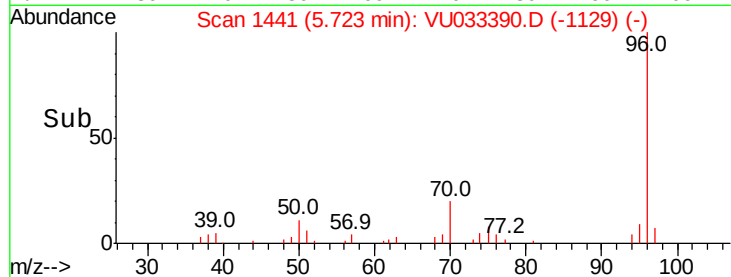
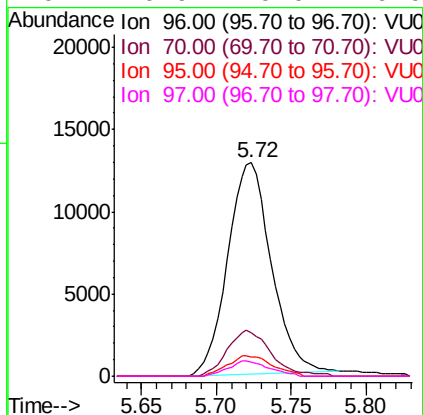
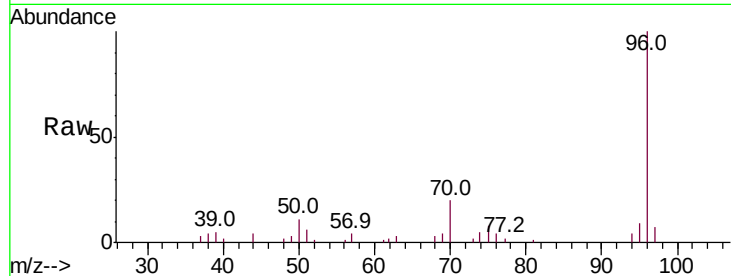
ClientSampleId :

VU0724WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
26120	96	100		
	70	21.7	16.4	24.6
	95	9.9	6.7	10.1
	97	6.9	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 2.183 ug/l

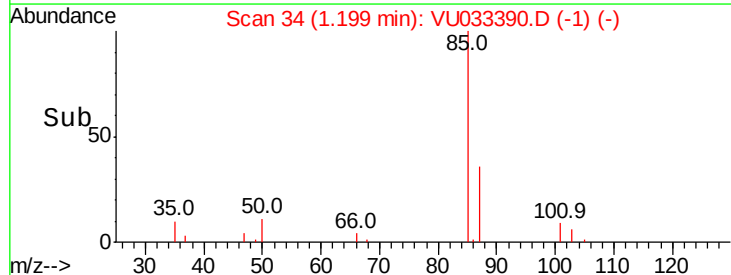
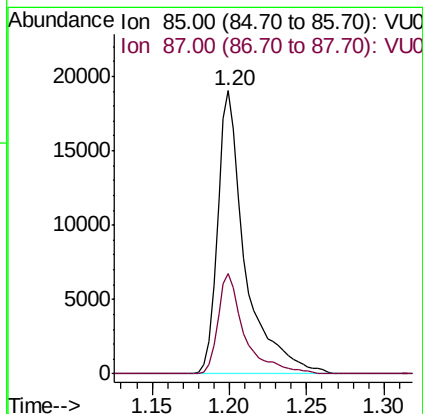
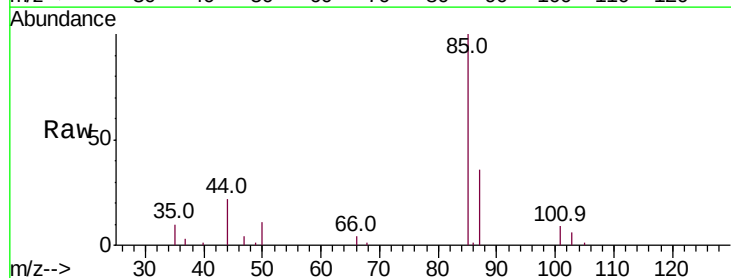
RT: 1.20 min Scan# 34

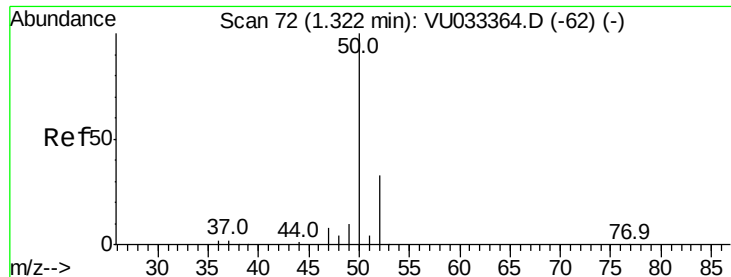
Delta R.T. -0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Tgt Ion	Ion	Ratio	Lower	Upper
23587	85	100		
	87	35.6	16.6	49.7





#3

Chloromethane

Concen: 2.043 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.01 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

ClientSampleID :

VU0724WBSD01

Tot Ion: 50 Resp: 24357

Ion Ratio Lower Upper

50 100

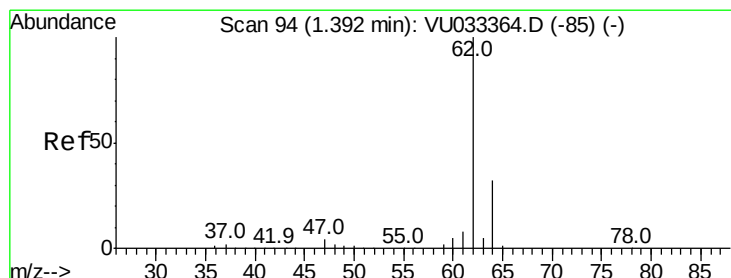
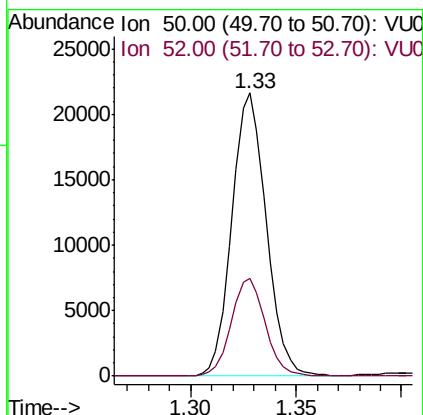
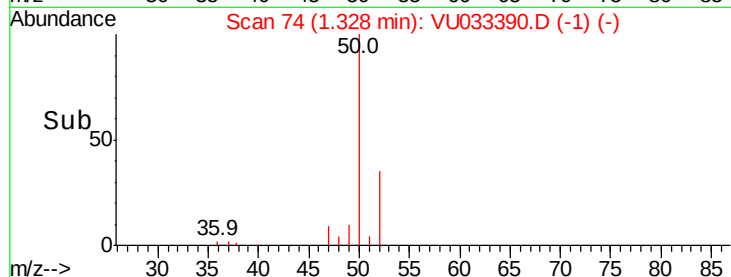
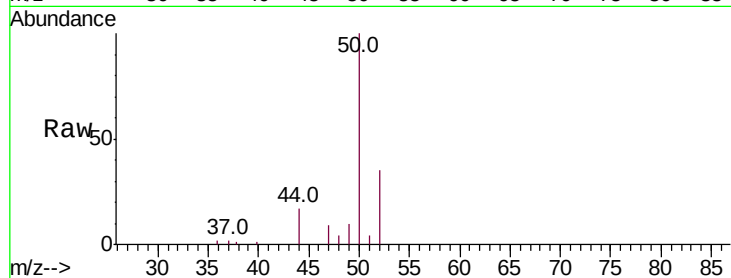
52 34.7 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.069 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033390.D

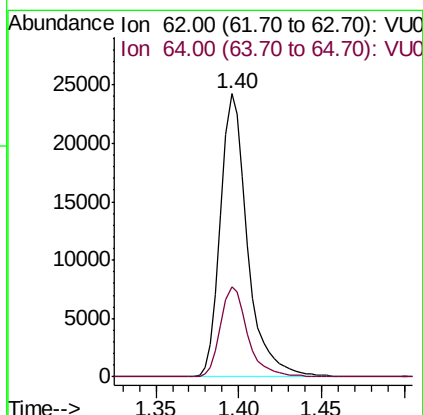
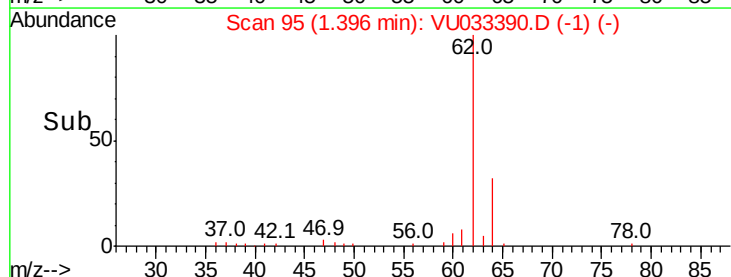
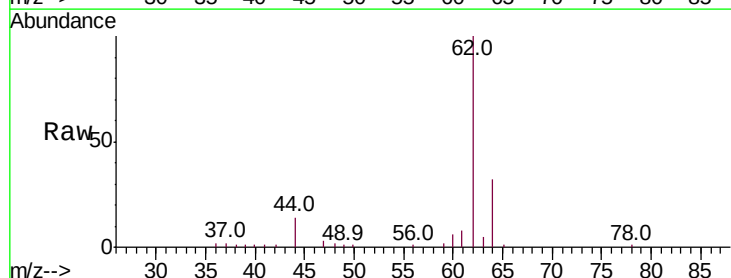
Acq: 24 Jul 2019 13:35

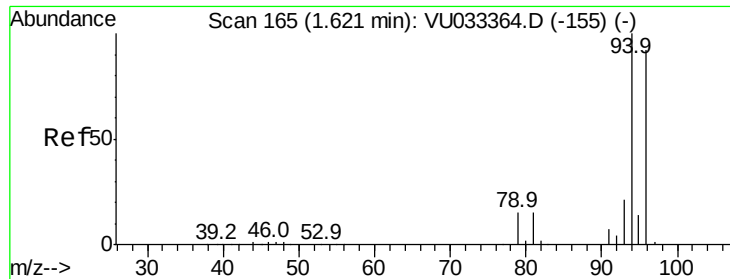
Tgt Ion: 62 Resp: 27522

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 2.344 ug/l

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

ClientSampleId :

VU0724WBSD01

Tot Ion: 94 Resp: 19632

Ion Ratio Lower Upper

94 100

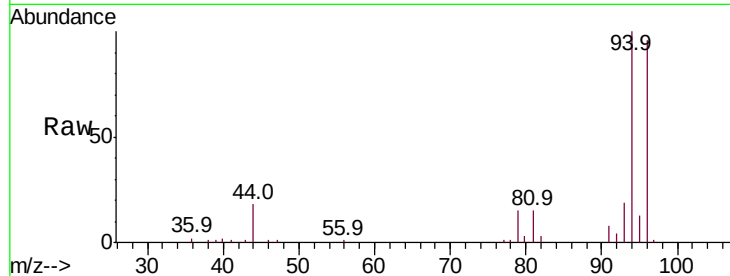
96 96.2 73.2 109.8

Manual Integrations

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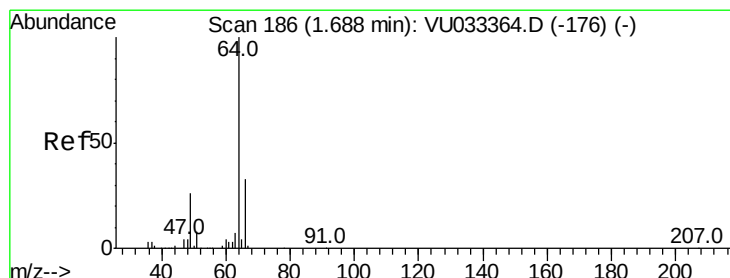
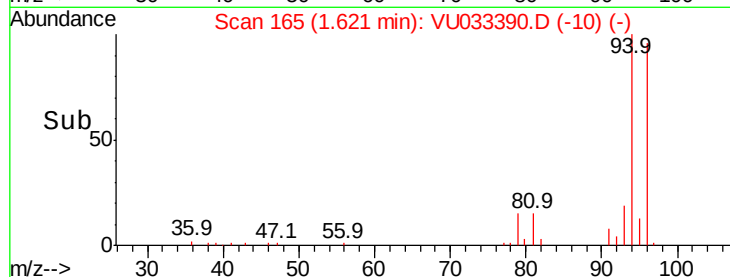
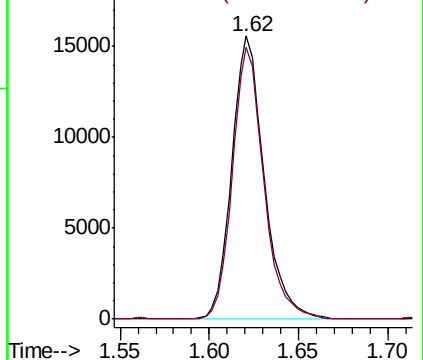
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 1.817 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033390.D

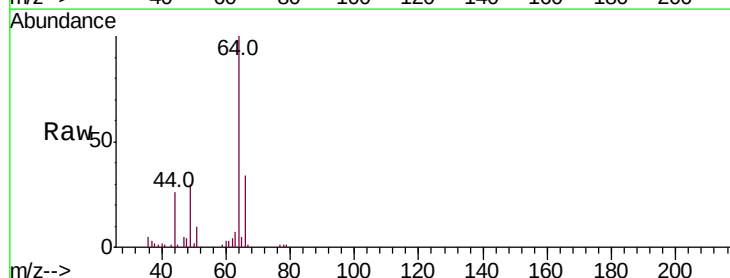
Acq: 24 Jul 2019 13:35

Tgt Ion: 64 Resp: 16979

Ion Ratio Lower Upper

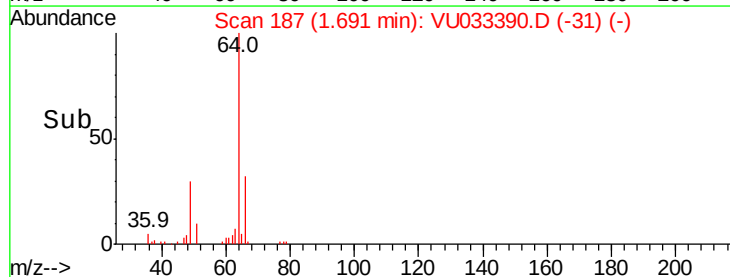
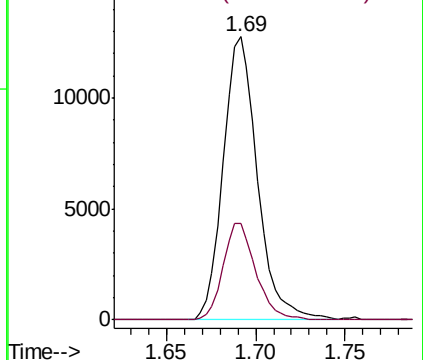
64 100

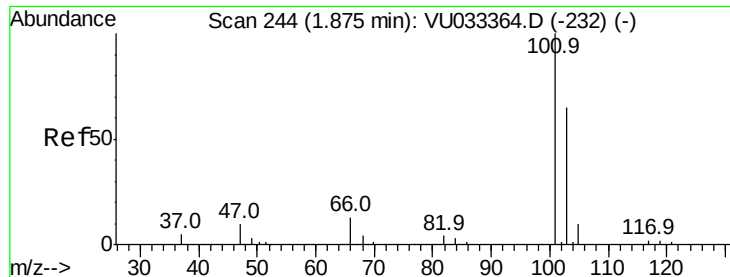
66 34.0 26.4 39.6



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

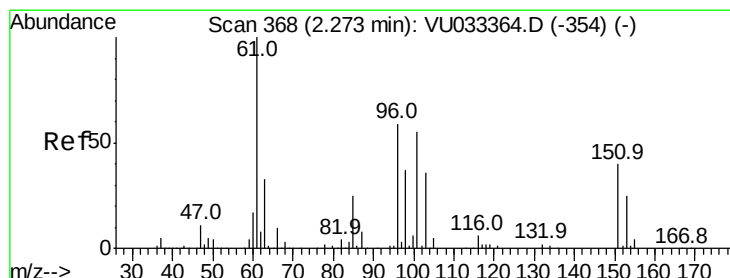
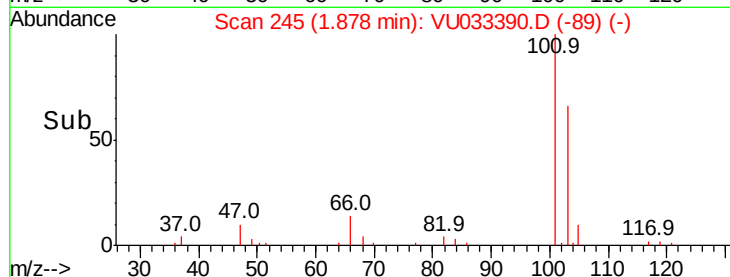
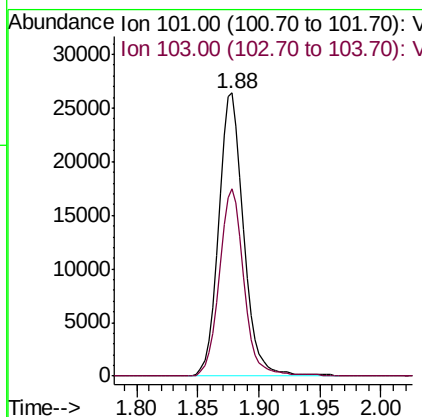
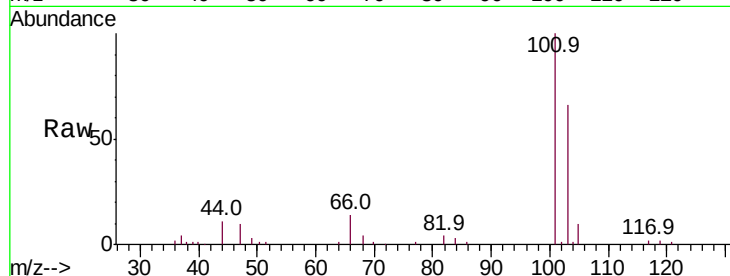
Trichlorofluoromethane
Concen: 2.087 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Instrument :
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VU0724WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	38132		
103	66.1	52.2	78.2	

Manual Integrations
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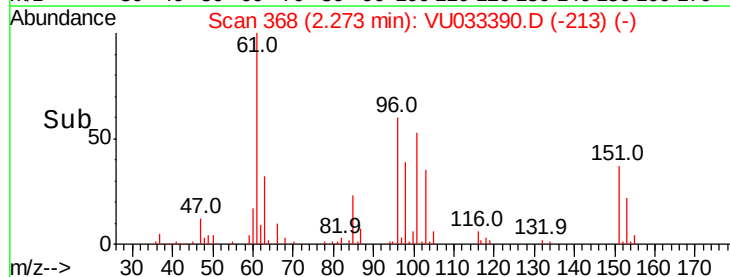
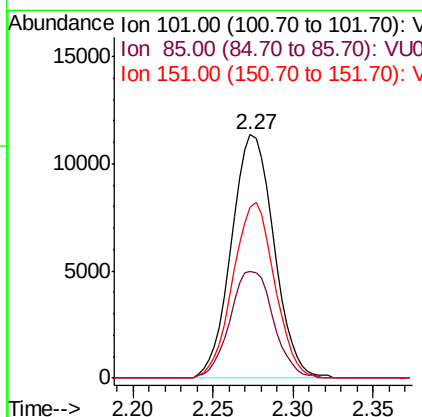
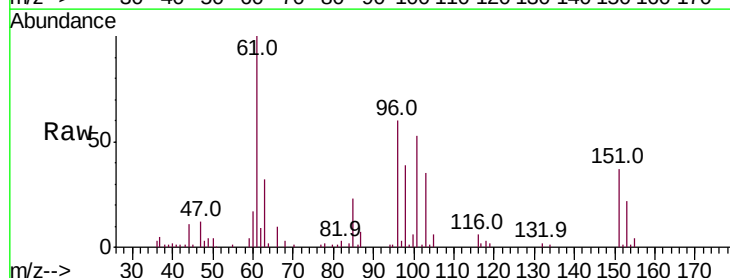
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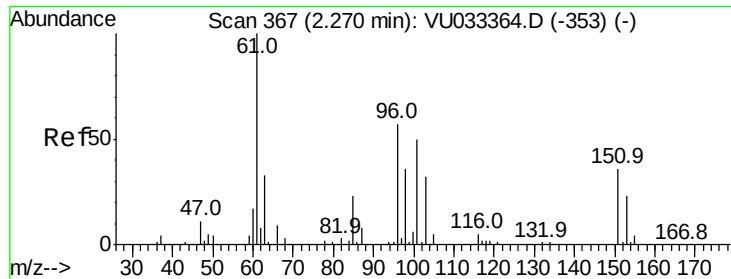


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.183 ug/l
RT: 2.27 min Scan# 368
Delta R.T. -0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	20576		
85	44.9	37.5	56.3	
151	70.6	58.3	87.5	





#9

1,1-Dichloroethene

Concen: 2.197 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

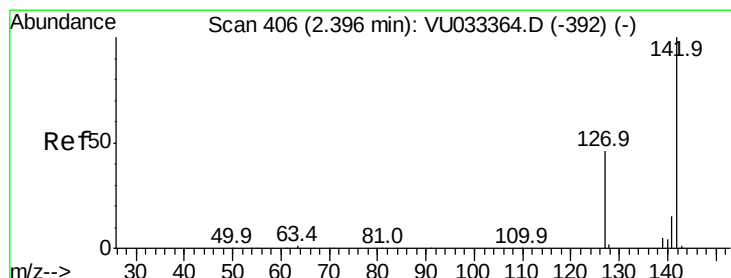
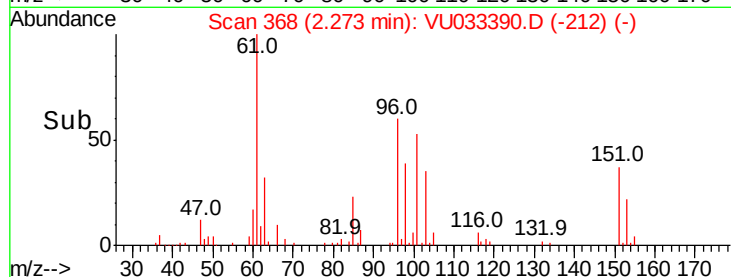
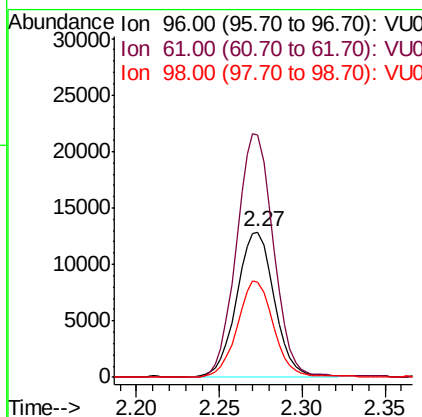
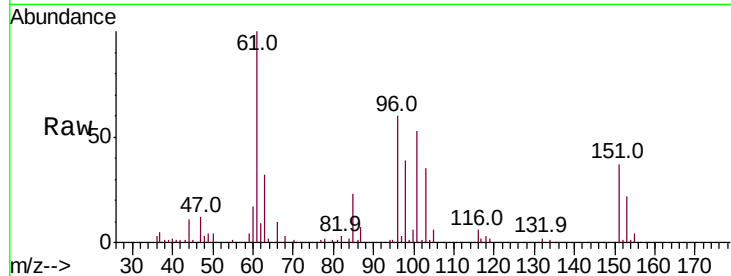
ClientSampleId :

VU0724WBSD01

Tot Ion:	96	Resp:	20392
Ion Ratio	Lower	Upper	
96	100		
61	166.8	0.0	525.6
98	65.7	0.0	126.4

Manual Integrations
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#10

Iodomethane

Concen: 1.602 ug/l

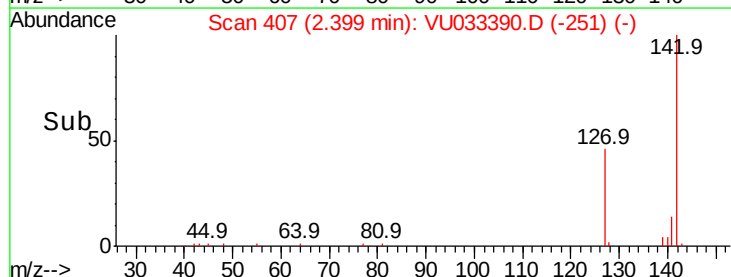
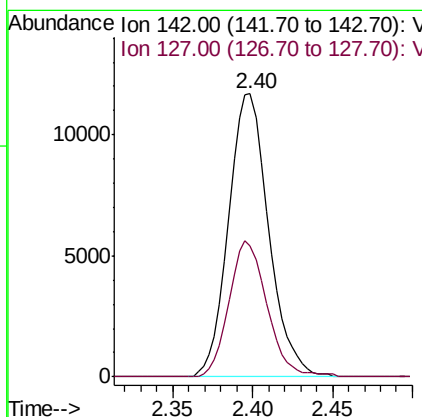
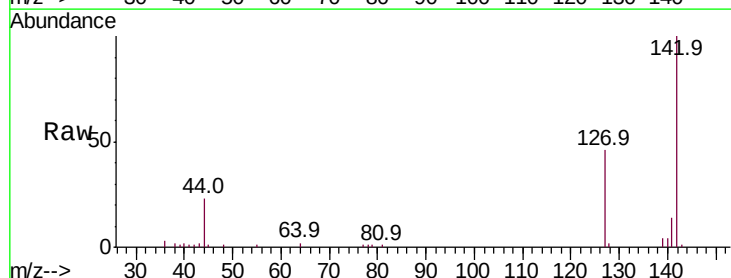
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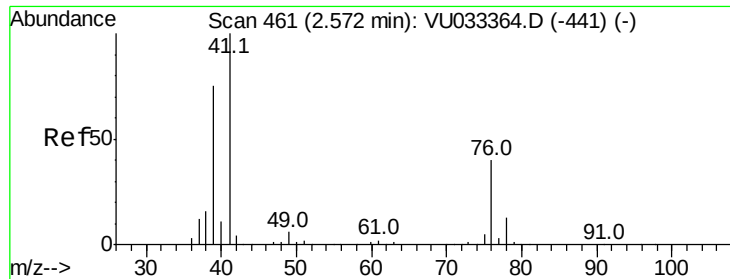
Delta R.T. 0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Tgt Ion:	142	Resp:	19977
Ion Ratio	Lower	Upper	
142	100		
127	45.6	37.8	56.6





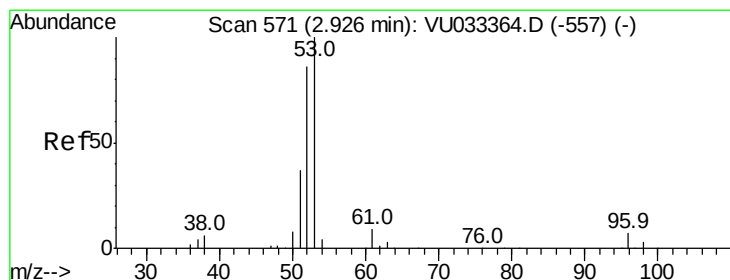
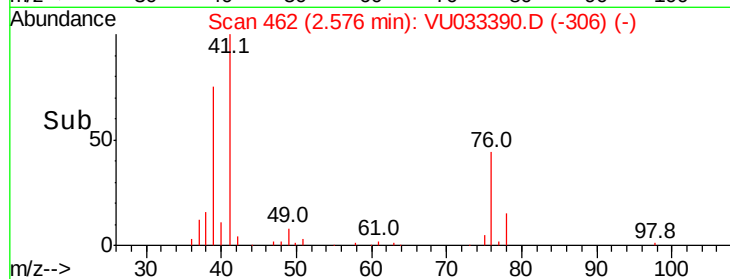
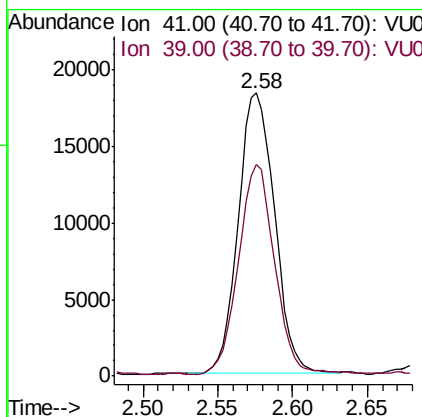
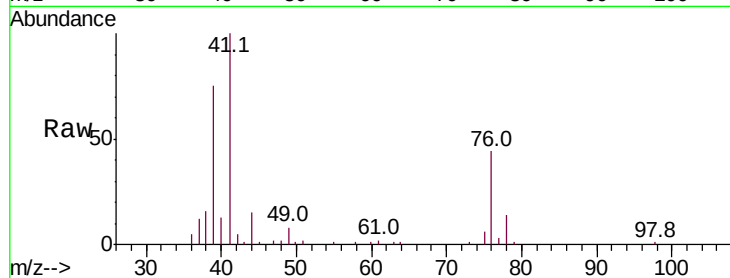
#11
Allvl Chloride
Concen: 2.022 ug/l
RT: 2.58 min Scan# 462
Delta R.T. 0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Instrument :
MSVOA_U
ClientSampleId :
VU0724WBSD01

Tot Ion: 41 Resp: 30974
Ion Ratio Lower Upper
41 100
39 74.4 58.7 88.1

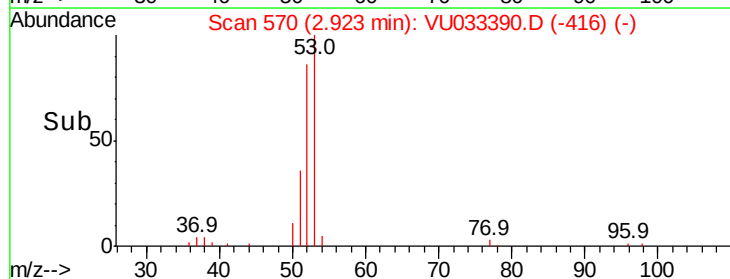
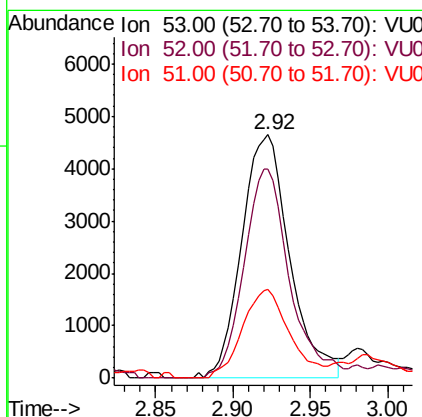
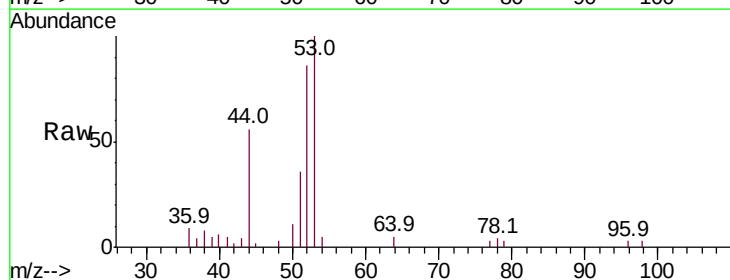
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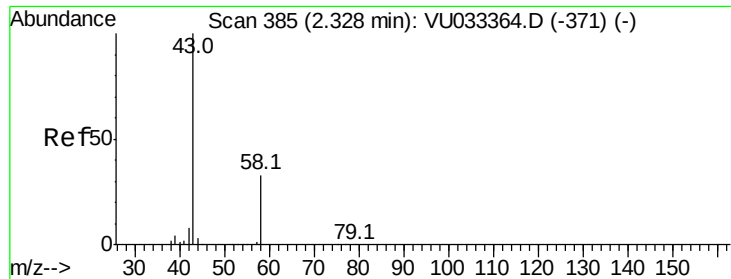
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#12
Acrylonitrile
Concen: 3.875 ug/l
RT: 2.92 min Scan# 570
Delta R.T. -0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Tgt Ion: 53 Resp: 10039
Ion Ratio Lower Upper
53 100
52 81.3 69.8 104.8
51 35.6 29.1 43.7





#13

Acetone

Concen: 9.775 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

ClientSampleId :

VU0724WBSD01

Tot Ion: 43 Resp: 21608

Ion Ratio Lower Upper

43 100

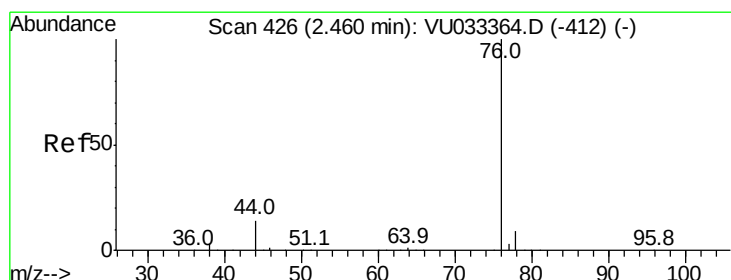
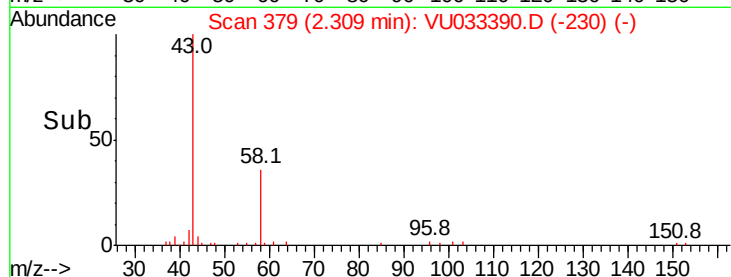
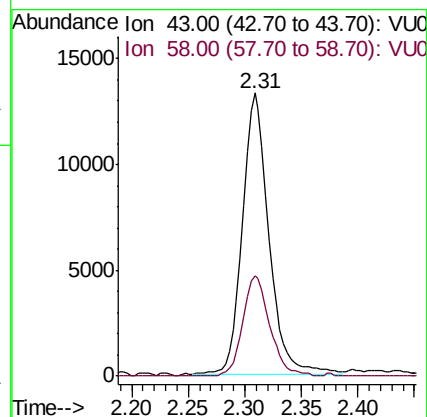
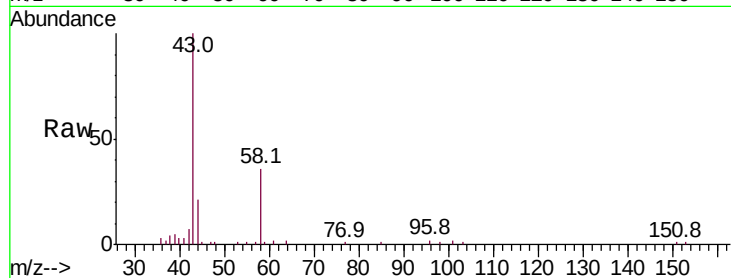
58 35.8 26.3 39.5

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#14

Carbon Disulfide

Concen: 2.075 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033390.D

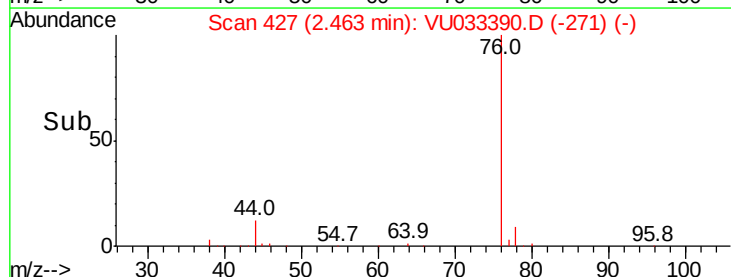
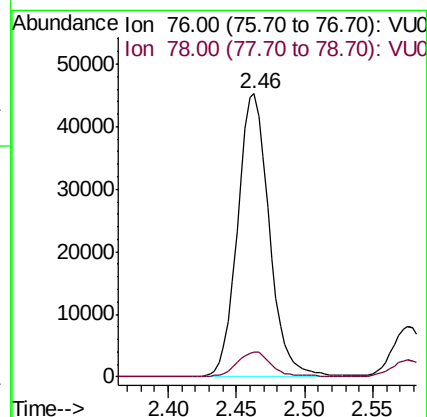
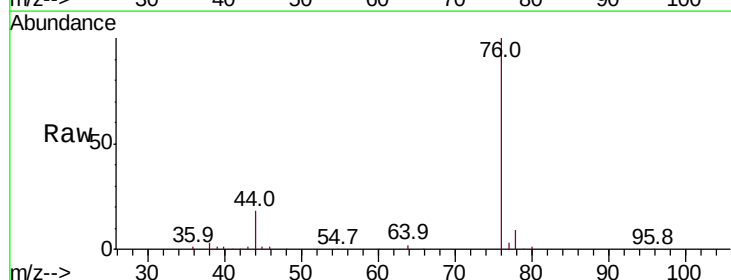
Acq: 24 Jul 2019 13:35

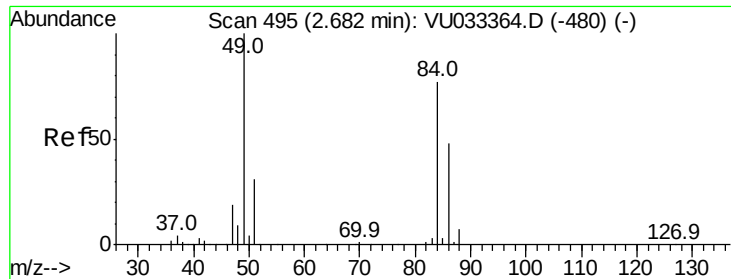
Tgt Ion: 76 Resp: 73187

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7





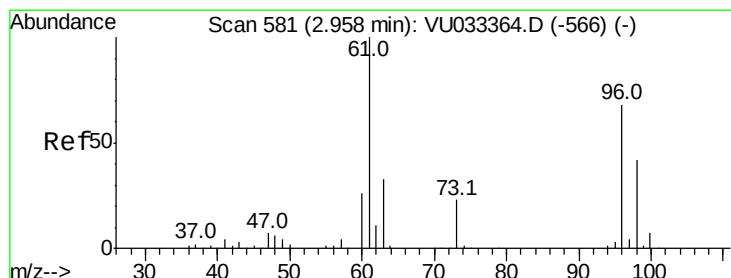
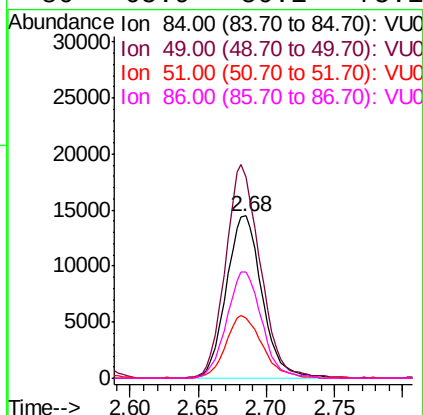
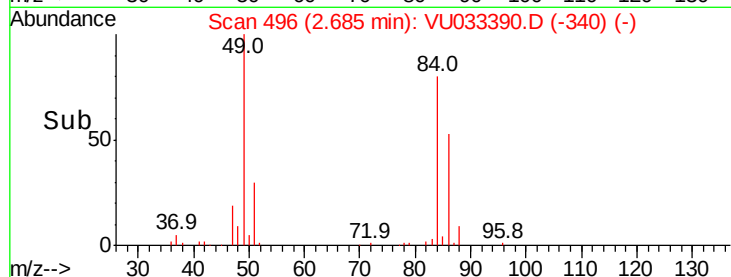
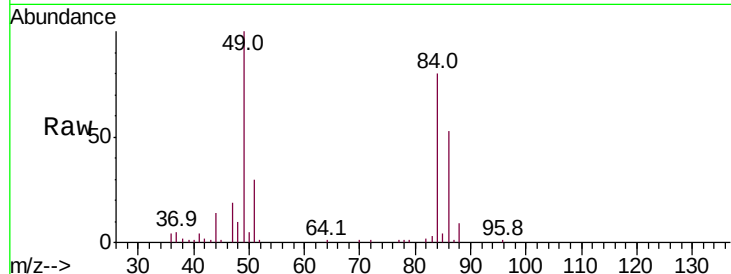
#15
Methvlene Chloride
Concen: 2.108 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Instrument :
MSVOA_U
ClientSampleId :
VU0724WBSD01

Tot Ion	Ratio	Lower	Upper
84	100		
49	123.7	103.5	155.3
51	37.2	0.0	80.4
86	65.9	50.1	75.1

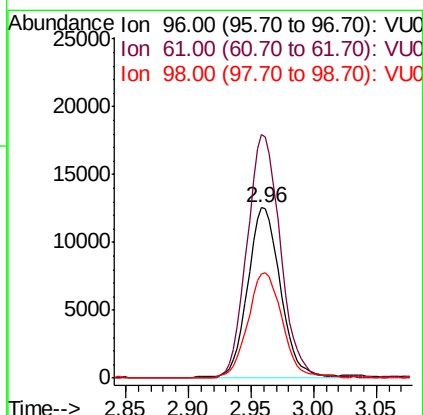
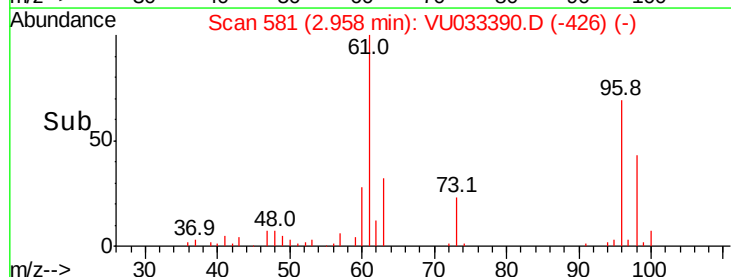
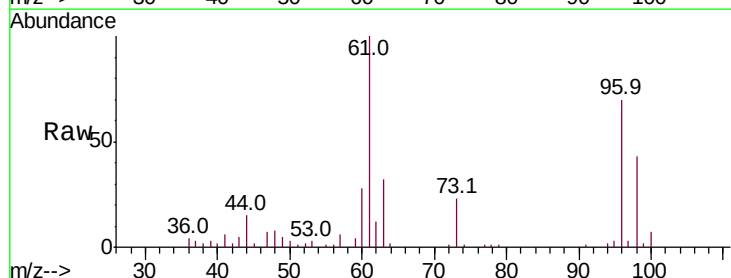
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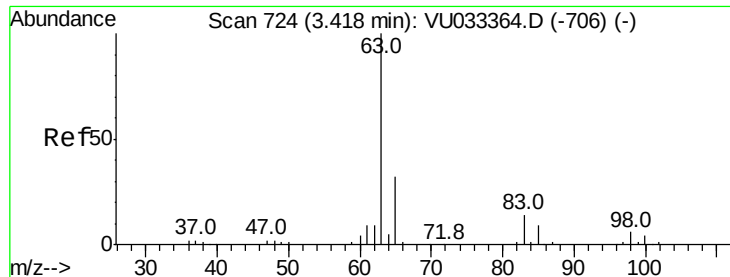
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#16
trans-1,2-Dichloroethene
Concen: 2.094 ug/l
RT: 2.96 min Scan# 581
Delta R.T. -0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.2	118.0	177.0
98	61.2	49.4	74.2





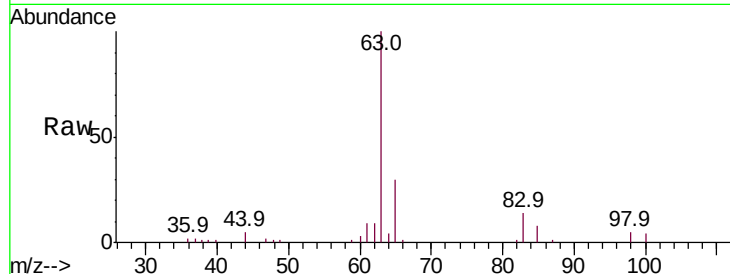
#17
 1,1-Dichloroethane
 Concen: 2.120 ug/l
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033390.D
 Acq: 24 Jul 2019 13:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0724WBSD01

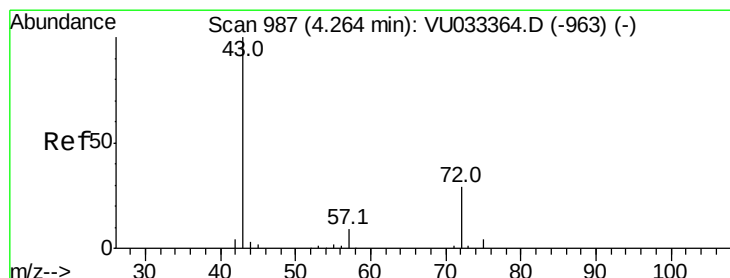
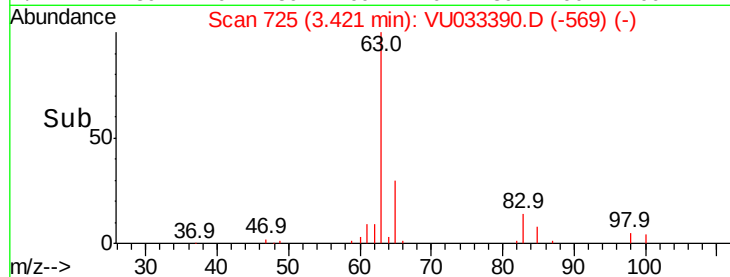
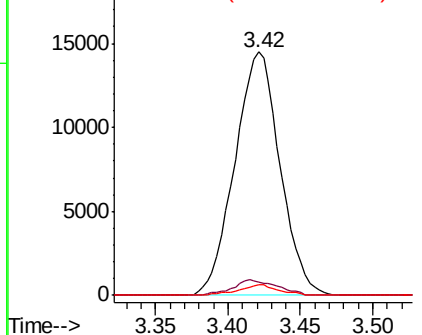
Tot Ion:	63	Resp:	31364
Ion	Ratio	Lower	Upper
63	100		
98	5.4	3.2	9.6
100	4.4	2.1	6.2

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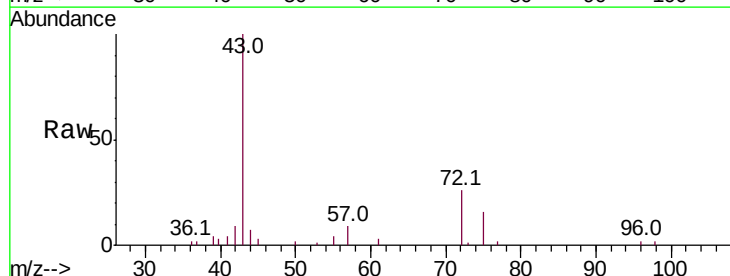


Abundance Ion 63.00 (62.70 to 63.70): VU033364.D (-706) (-)
 Ion 98.00 (97.70 to 98.70): VU033390.D (-569) (-)
 Ion 100.00 (99.70 to 100.70): VU033390.D (-569) (-)

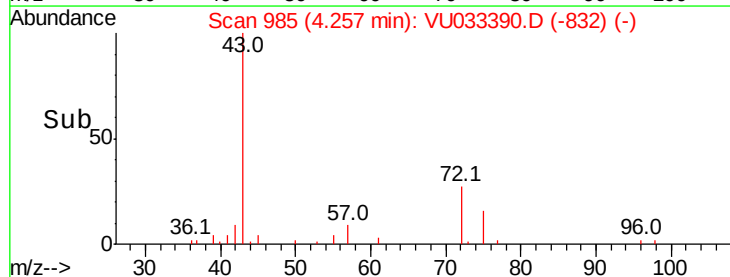
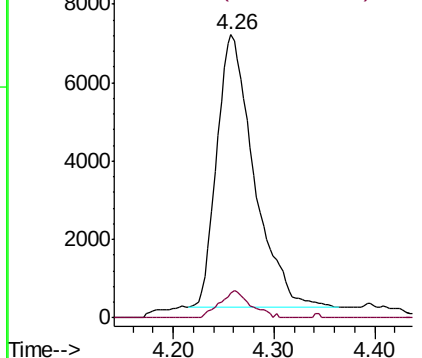


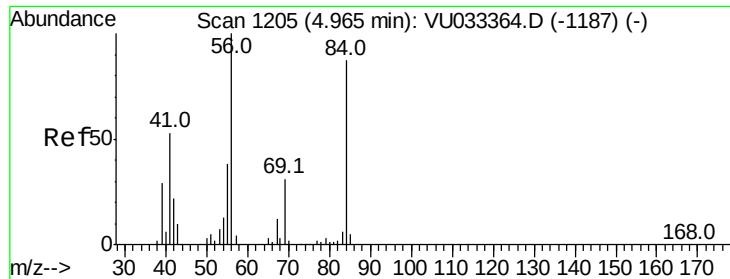
#18
 2-Butanone
 Concen: 8.473 ug/l
 RT: 4.26 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VU033390.D
 Acq: 24 Jul 2019 13:35

Tgt Ion:	43	Resp:	17876
Ion	Ratio	Lower	Upper
43	100		
57	9.1	0.0	17.0



Abundance Ion 43.00 (42.70 to 43.70): VU033364.D (-963) (-)
 Ion 57.00 (56.70 to 57.70): VU033390.D (-832) (-)





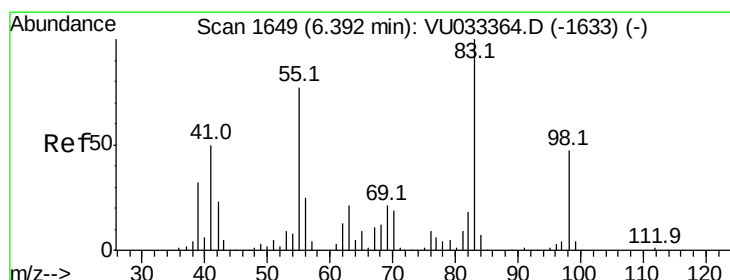
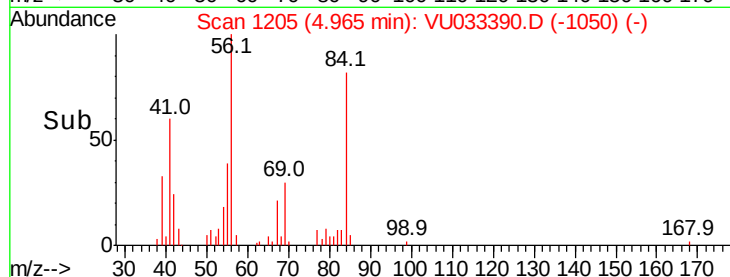
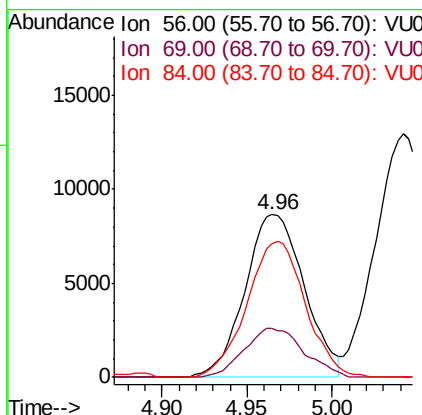
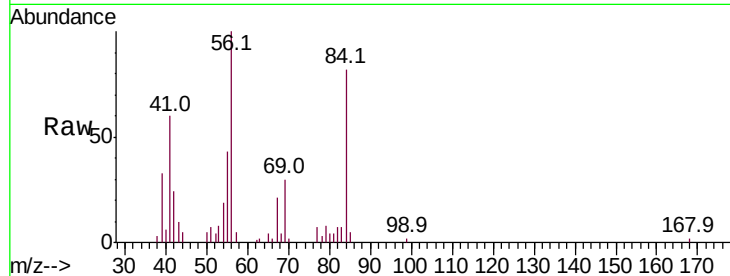
#19
Cyclohexane
Concen: 1.931 ug/l m
RT: 4.96 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Instrument :
MSVOA_U
ClientSampleId :
VU0724WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	25.0	37.4
84	82.5	69.8	104.6

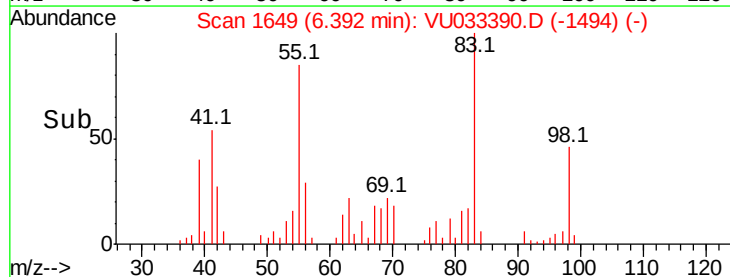
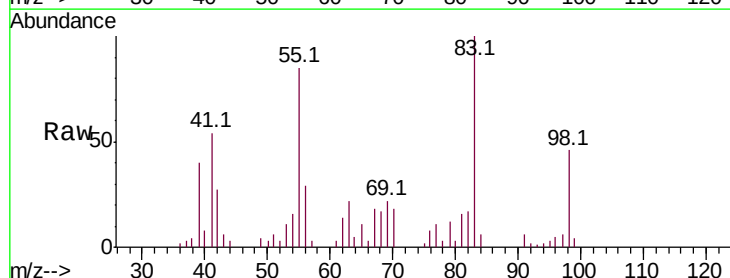
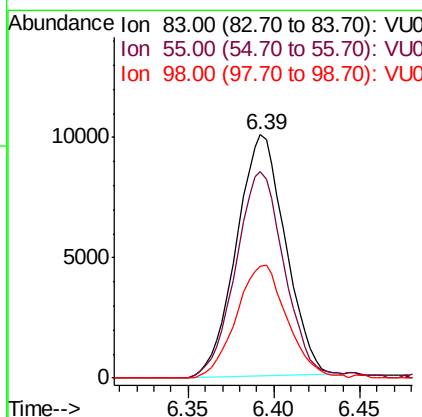
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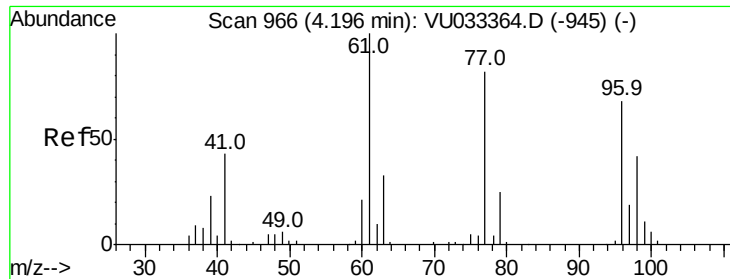
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#20
Methylcyclohexane
Concen: 1.818 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.7	62.3	93.5
98	48.4	37.4	56.0





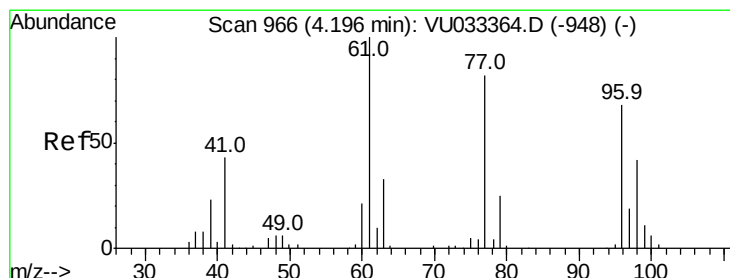
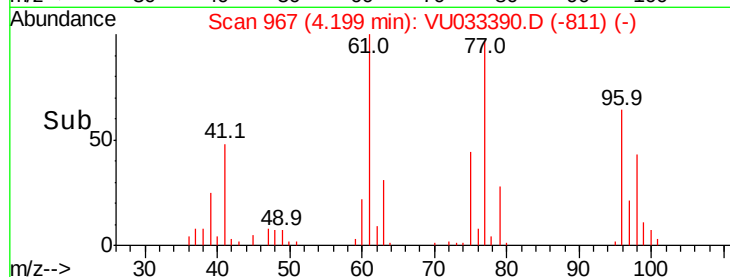
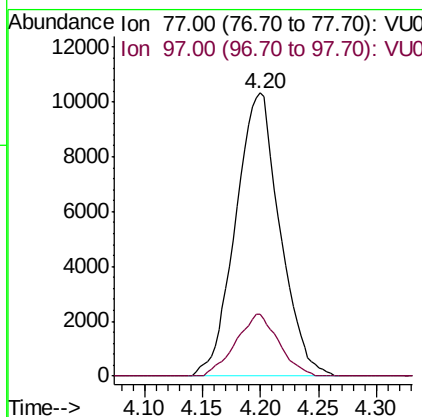
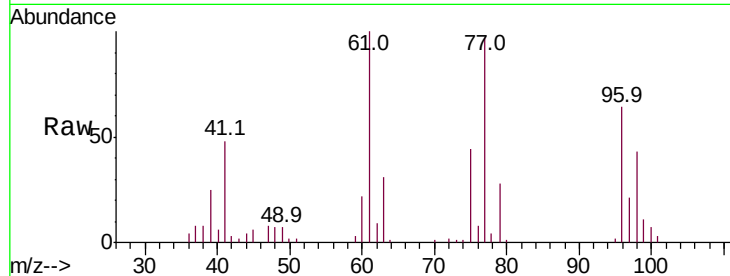
#21
 2,2-Dichloropropane
 Concen: 2.195 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033390.D
 Acq: 24 Jul 2019 13:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0724WBSD01

Tot Ion: 77 Resp: 27517
 Ion Ratio Lower Upper
 77 100
 97 21.2 17.8 26.8

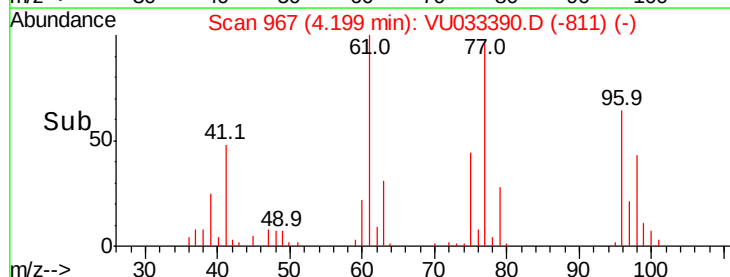
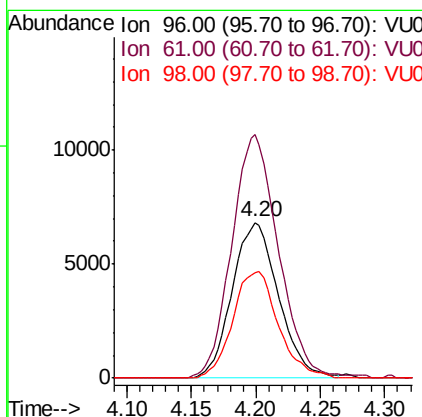
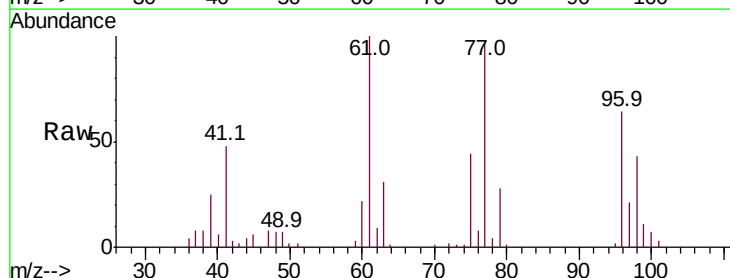
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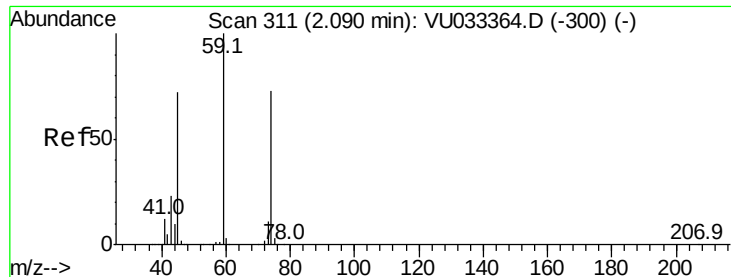
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#22
 cis-1,2-Dichloroethene
 Concen: 2.041 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033390.D
 Acq: 24 Jul 2019 13:35

Tgt Ion: 96 Resp: 17052
 Ion Ratio Lower Upper
 96 100
 61 158.1 0.0 376.3
 98 67.3 31.9 95.9





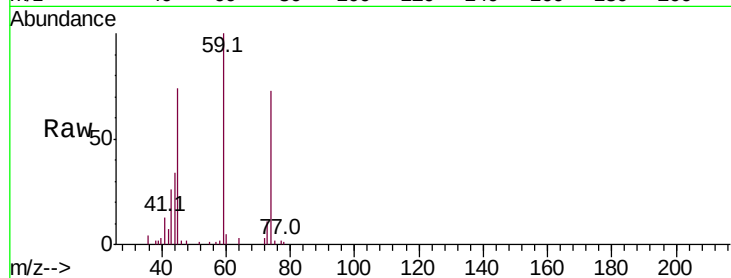
#23
Diethyl Ether
Concen: 1.917 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Instrument :
MSVOA_U
ClientSampleId :
VU0724WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
45	78.0	57.6	86.4
74	74.5	57.8	86.6

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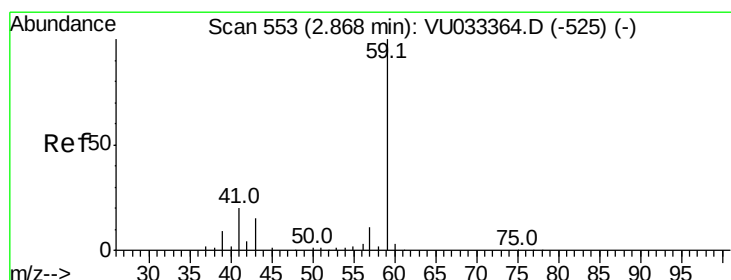
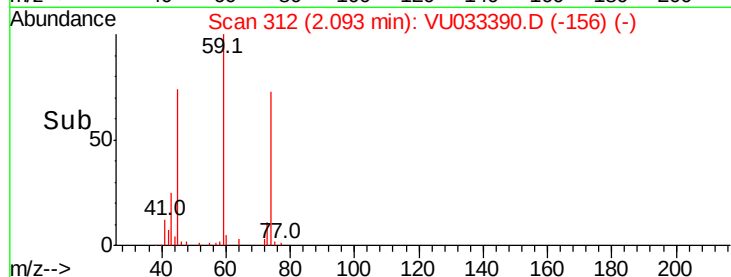
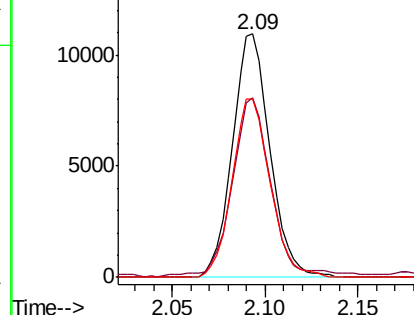
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Abundance Ion 59.00 (58.70 to 59.70): VU033364.D (-300) (-)

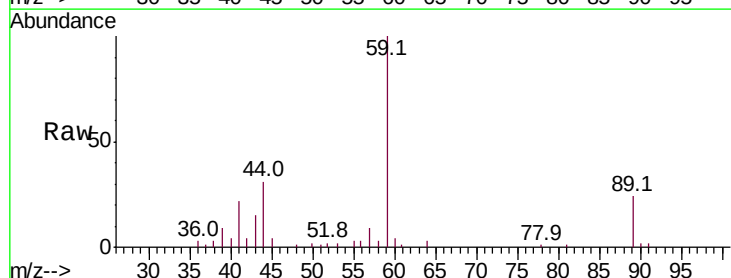
Ion 45.00 (44.70 to 45.70): VU033364.D (-300) (-)

Ion 74.00 (73.70 to 74.70): VU033364.D (-300) (-)



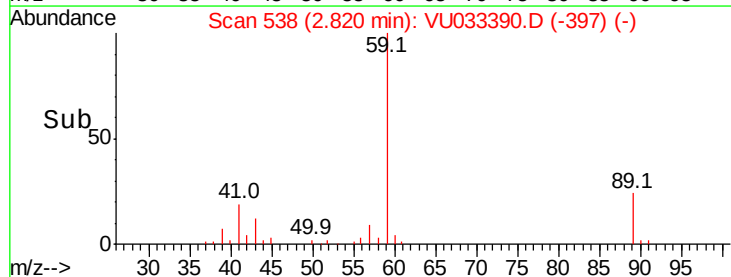
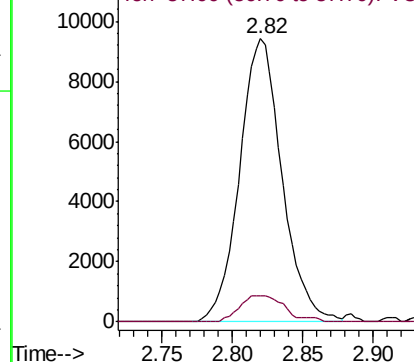
#24
tert-Butyl Alcohol
Concen: 15.648 ug/l
RT: 2.82 min Scan# 538
Delta R.T. -0.05 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

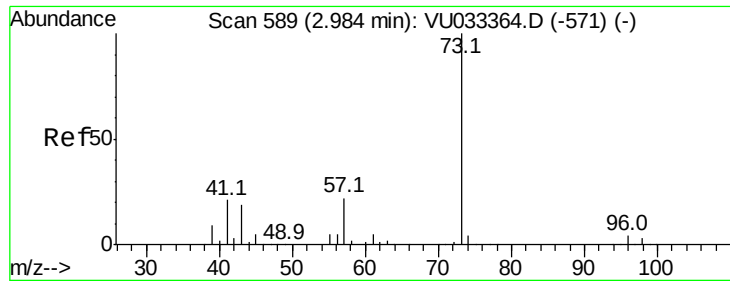
Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.8	11.8



Abundance Ion 59.00 (58.70 to 59.70): VU033364.D (-525) (-)

Ion 57.00 (56.70 to 57.70): VU033364.D (-525) (-)





#25

Methyl tert-Butyl Ether

Concen: 1.942 ug/l

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

ClientSampleID :

VU0724WBSD01

Tot Ion: 73 Resp: 51896

Ion Ratio Lower Upper

73 100

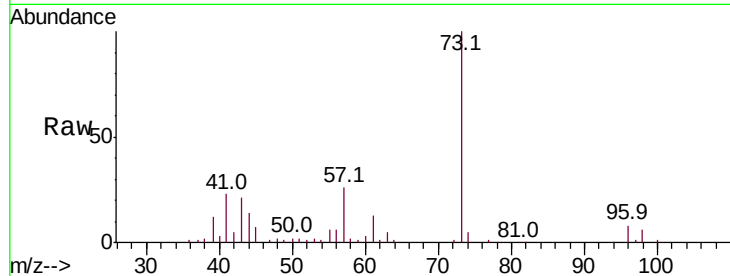
43 20.4 16.6 24.8

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Abundance Ion 73.00 (72.70 to 73.70): VU033364.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033364.D (-571) (-)

25000

20000

15000

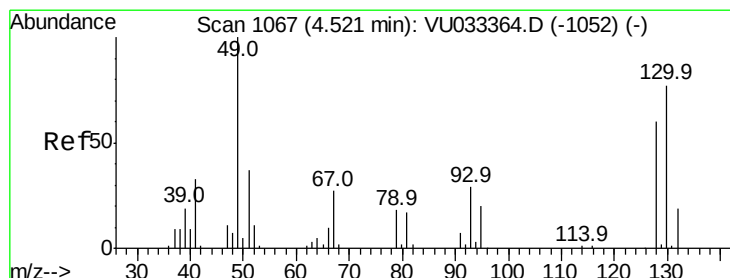
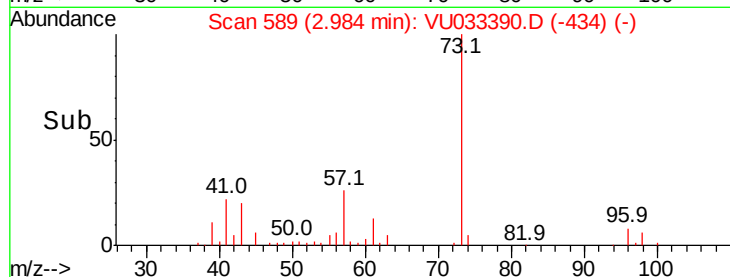
10000

5000

0

2.90 2.95 3.00 3.05 3.10

Time-->



#26

Bromochloromethane

Concen: 2.141 ug/l

RT: 4.53 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

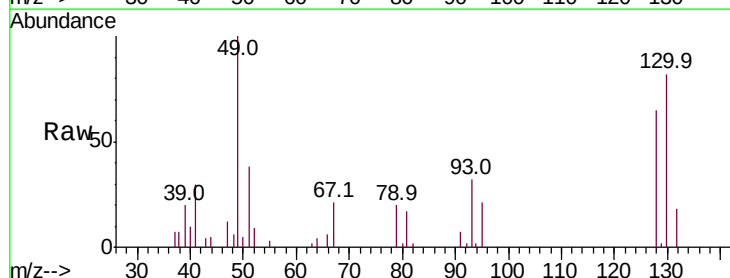
Tgt Ion: 128 Resp: 7863

Ion Ratio Lower Upper

128 100

49 162.9 0.0 333.4

130 130.4 103.4 155.2



Abundance Ion 128.00 (127.70 to 128.70): VU033364.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU033364.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU033364.D (-1052) (-)

6000

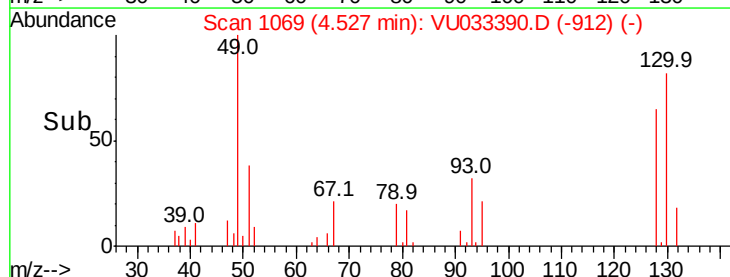
4000

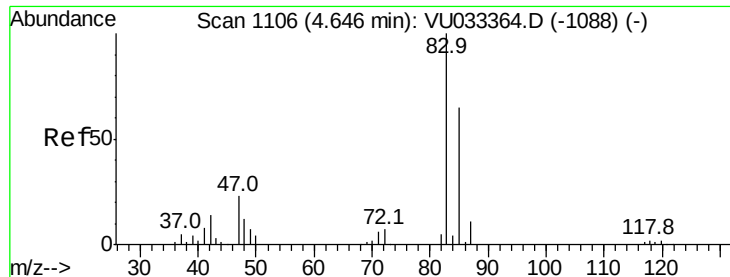
2000

0

4.45 4.50 4.55 4.60

Time-->





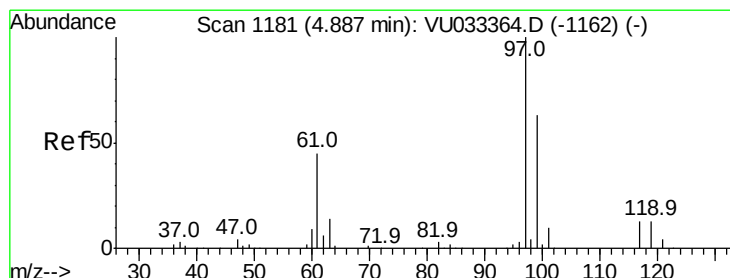
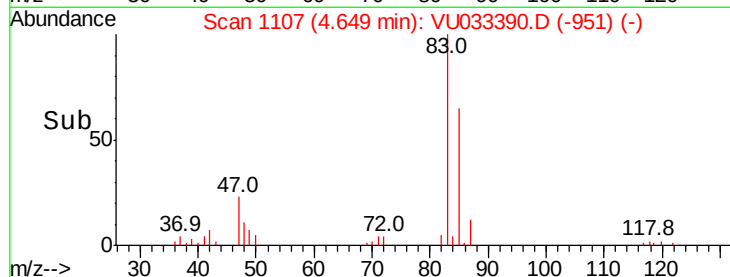
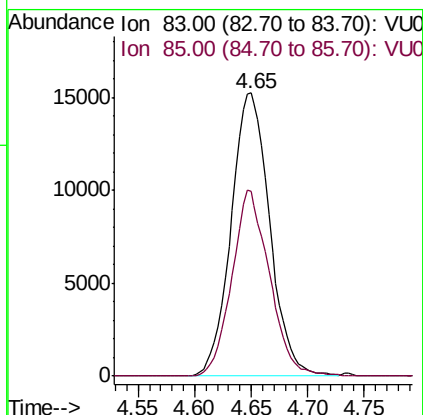
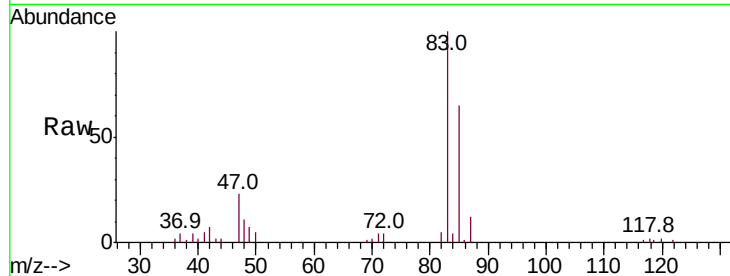
#27
Chloroform
Concen: 2.141 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Instrument :
MSVOA_U
ClientSampleId :
VU0724WBSD01

Tot Ion: 83 Resp: 36187
Ion Ratio Lower Upper
83 100
85 65.5 0.0 129.8

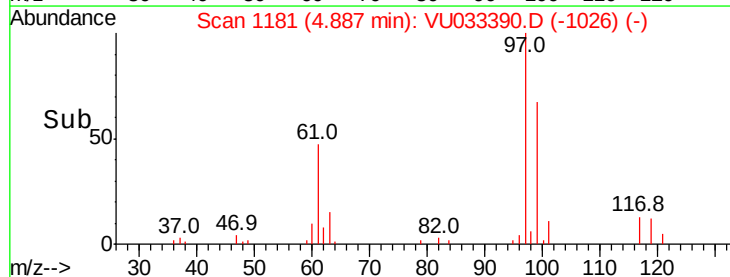
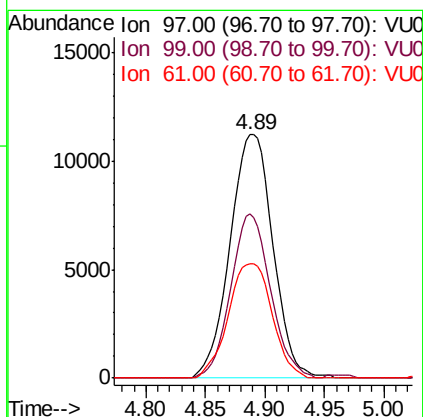
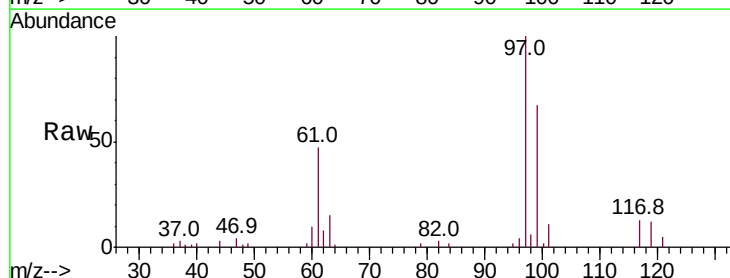
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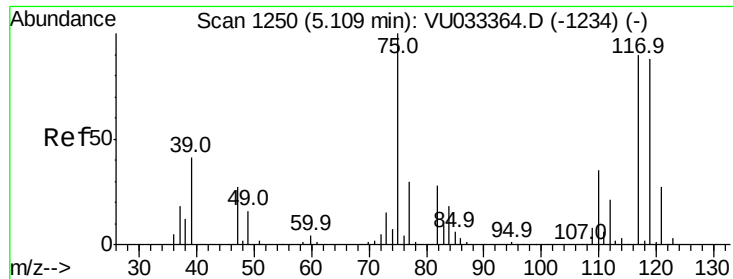
MMDadoda
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#28
1,1,1-Trichloroethane
Concen: 2.143 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Tgt Ion: 97 Resp: 28054
Ion Ratio Lower Upper
97 100
99 62.4 31.9 95.5
61 47.9 22.7 68.0





#29

1,1-Dichloropropene

Concen: 1.896 ug/l

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

ClientSampleId :

VU0724WBSD01

Tot Ion: 75 Resp: 20467
Ion Ratio Lower Upper

75 100

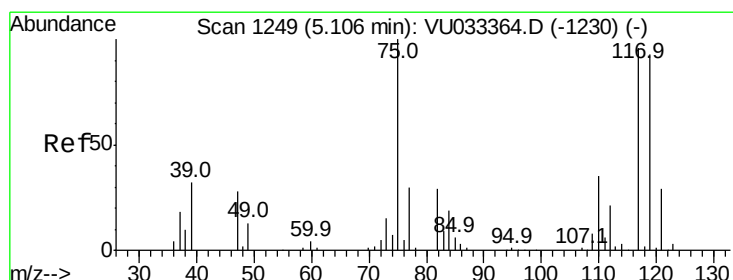
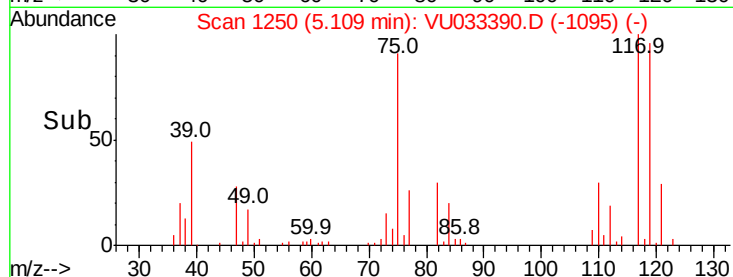
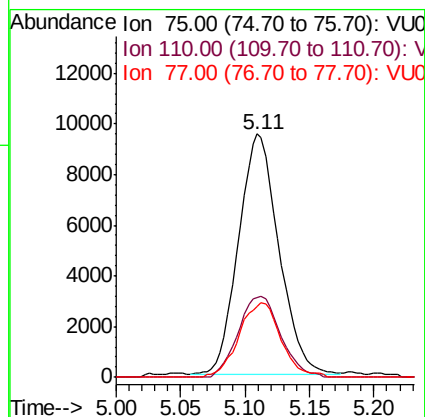
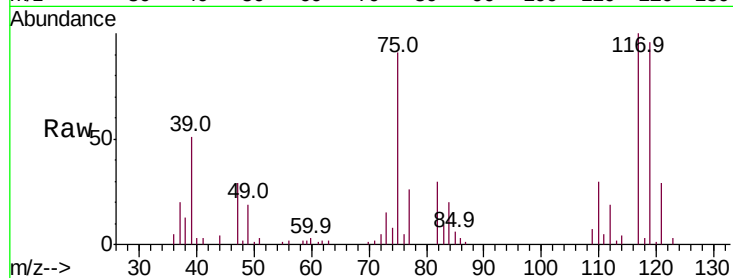
110 35.7 17.5 52.6

77 32.5 25.1 37.7

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 2.069 ug/l

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033390.D

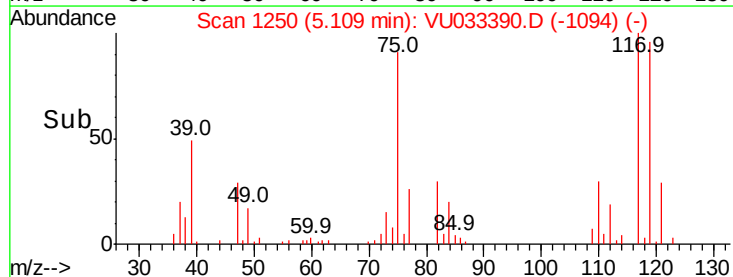
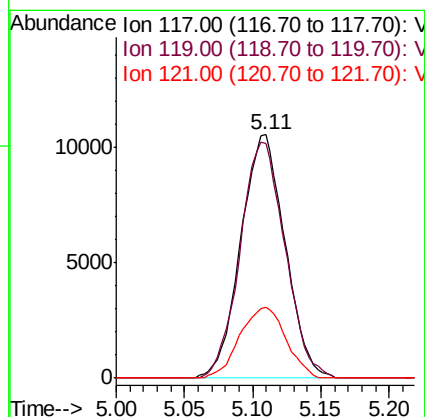
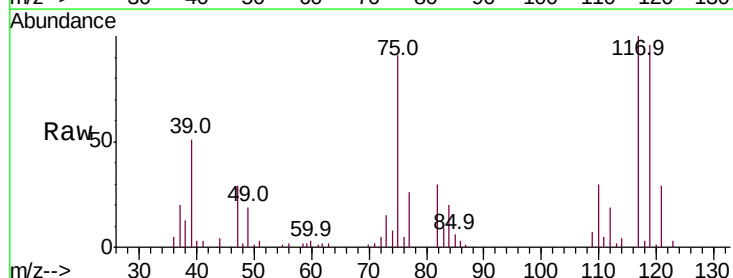
Acq: 24 Jul 2019 13:35

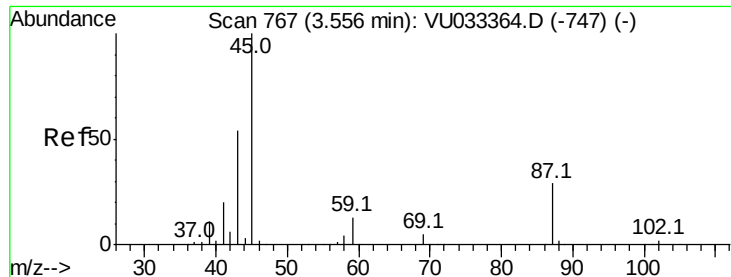
Tgt Ion: 117 Resp: 23839
Ion Ratio Lower Upper

117 100

119 96.5 77.9 116.9

121 29.0 24.0 36.0





#31

Isopropyl Ether

Concen: 1.938 ug/l

RT: 3.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

ClientSampleId :

VU0724WBSD01

Tot Ion: 45 Resp: 36242

Ion Ratio Lower Upper

45 100

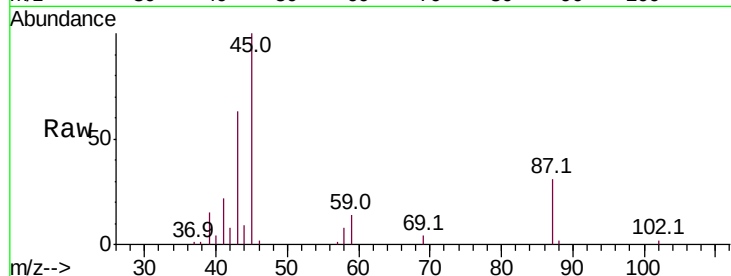
43 60.6 27.8 83.3

Manual Integrations

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Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

15000

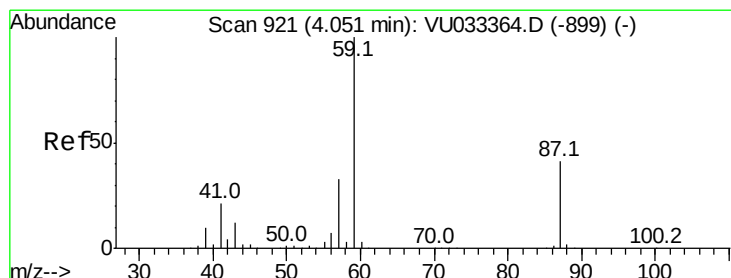
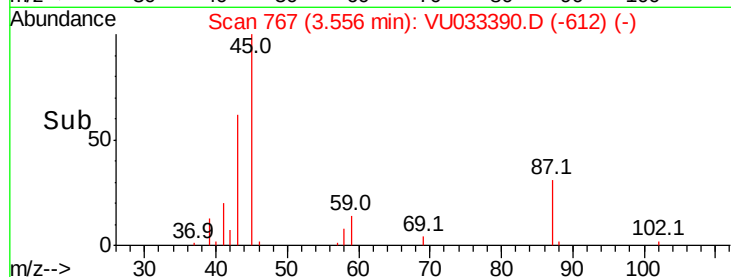
10000

5000

0

3.45 3.50 3.55 3.60 3.65

Time-->



#32

Ethyl-t-butyl ether

Concen: 1.857 ug/l

RT: 4.05 min Scan# 921

Delta R.T. -0.00 min

Lab File: VU033390.D

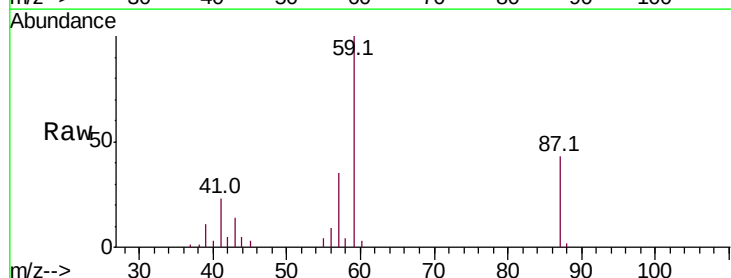
Acq: 24 Jul 2019 13:35

Tgt Ion: 59 Resp: 33375

Ion Ratio Lower Upper

59 100

87 43.9 33.8 50.6



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

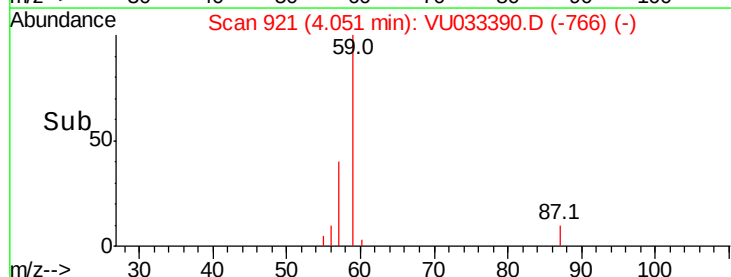
10000

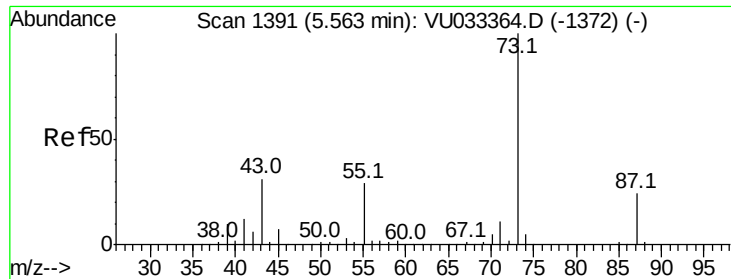
5000

0

3.95 4.00 4.05 4.10 4.15

Time-->





#33

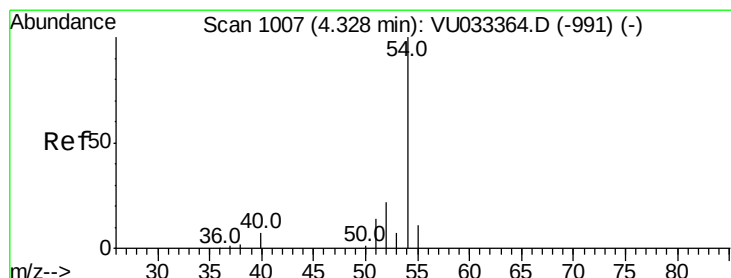
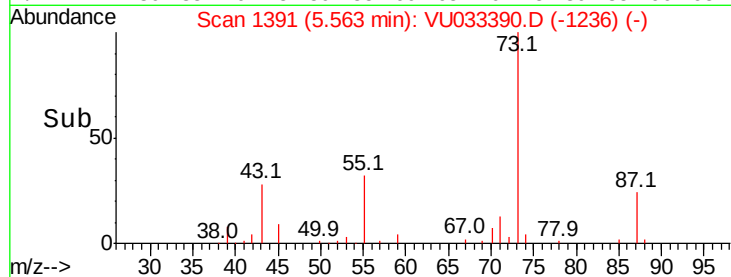
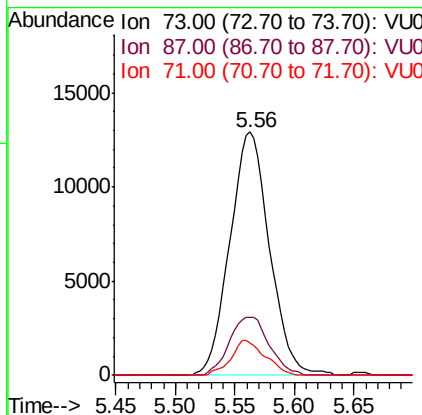
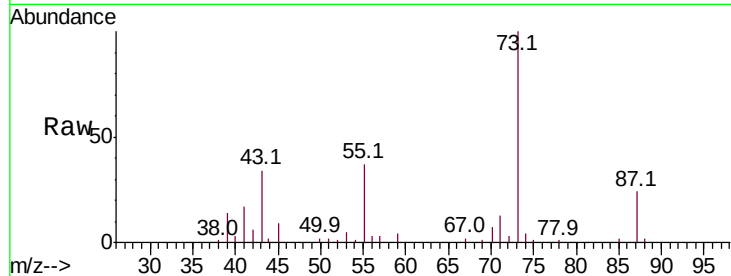
Tert-Amvl methvl ether
Concen: 1.845 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Instrument :
MSVOA_U
ClientSampleId :
VU0724WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.9	18.9	28.3
71	12.3	9.3	13.9

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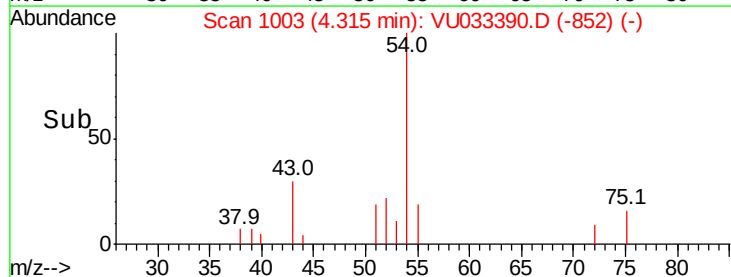
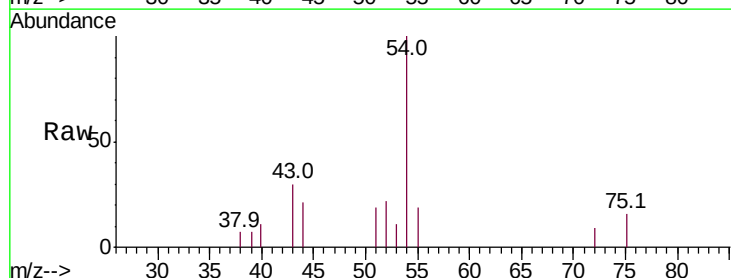
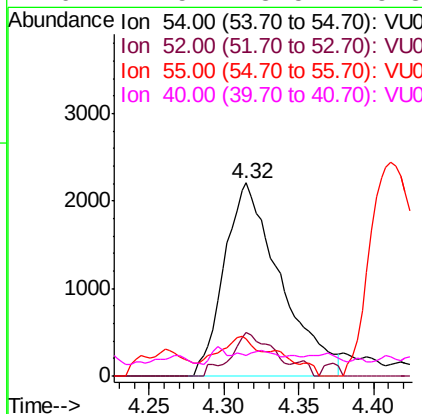
MMDadoda
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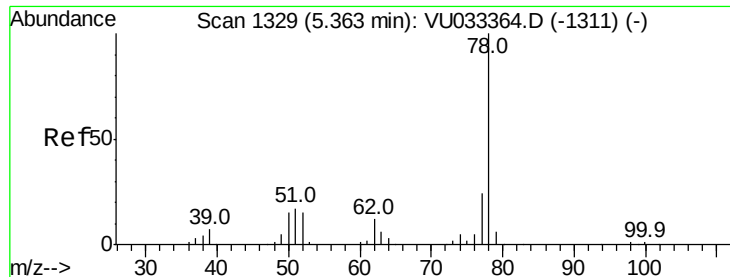


#34

Propionitrile
Concen: 9.515 ug/l
RT: 4.32 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Tgt Ion	Ratio	Lower	Upper
54	100		
52	16.4	17.1	25.7#
55	8.1	11.6	17.4#
40	2.5	3.5	5.3#





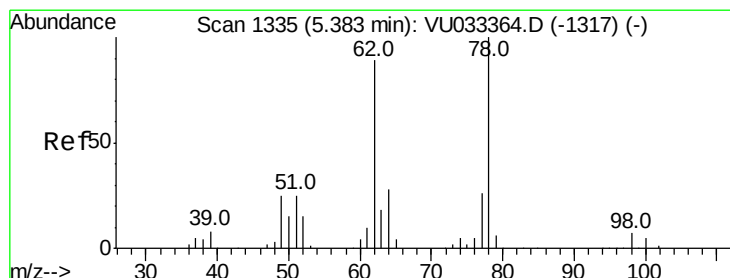
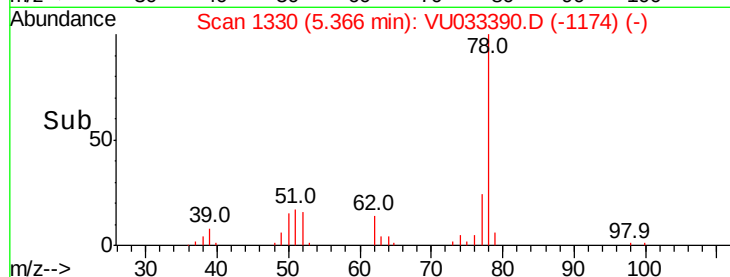
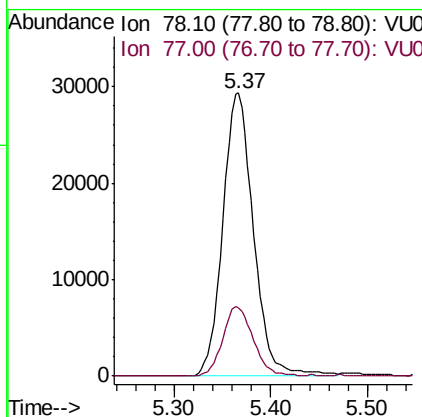
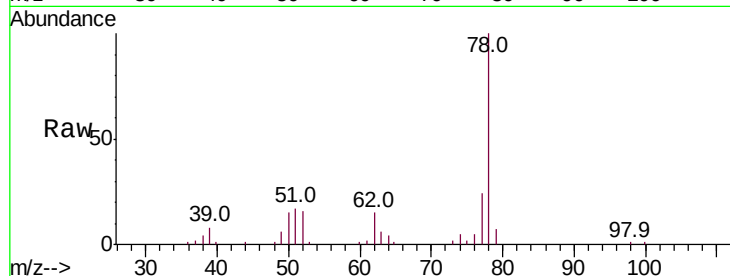
#35
Benzene
Concen: 2.071 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Instrument :
MSVOA_U
ClientSampleId :
VU0724WBSD01

Tot Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.4	29.2

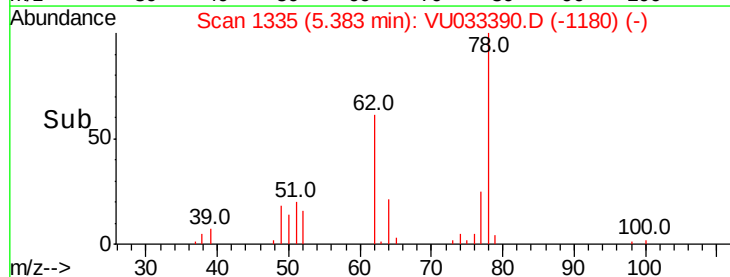
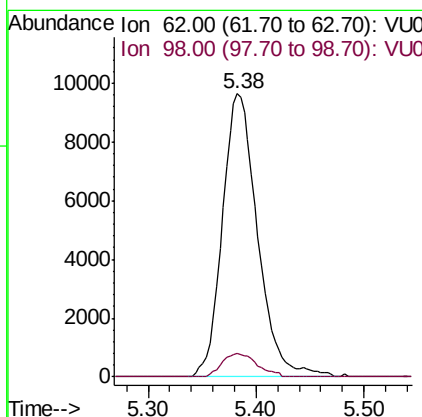
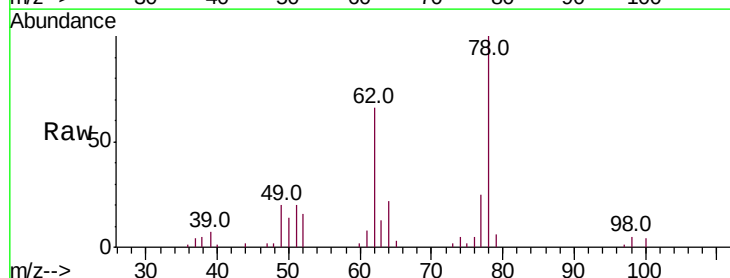
Manual Integrations
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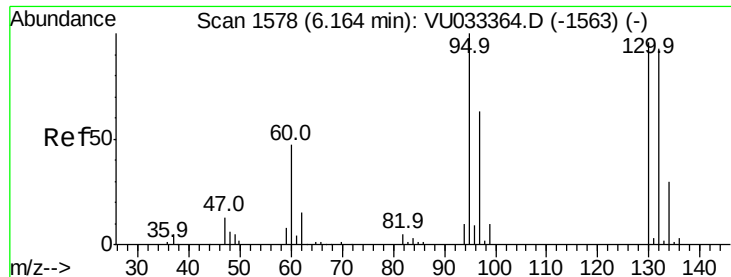
MMDadoda
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#36
1,2-Dichloroethane
Concen: 2.103 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	6.5	9.7





#37

Trichloroethene

Concen: 2.012 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

ClientSampleId :

VU0724WBSD01

Tot Ion:130 Resp: 16565

Ion Ratio Lower Upper

130 100

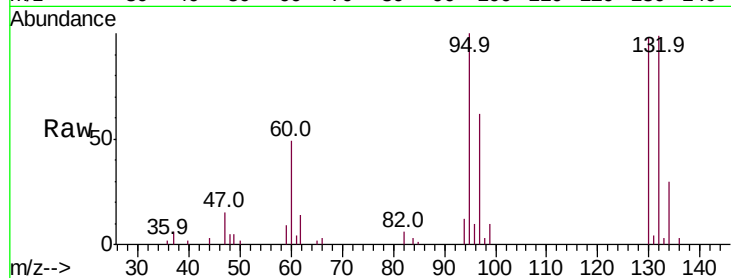
95 102.0 83.4 125.0

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0

6.16

8000

6000

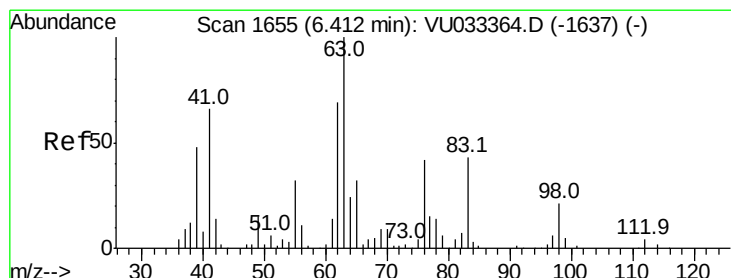
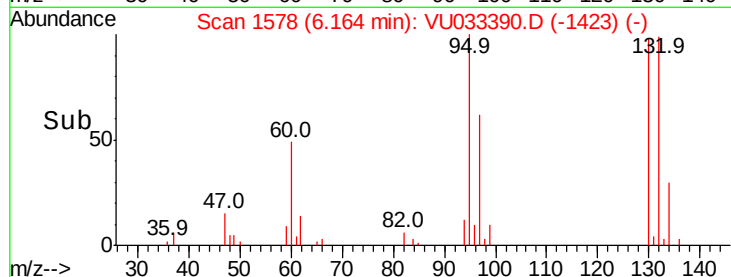
4000

2000

0

6.10 6.15 6.20 6.25

Time-->



#38

1,2-Dichloropropane

Concen: 2.050 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU033390.D

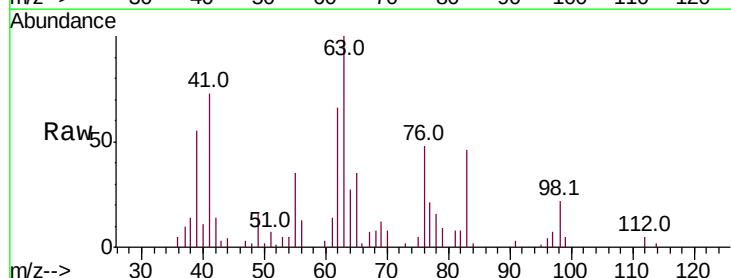
Acq: 24 Jul 2019 13:35

Tgt Ion: 63 Resp: 17646

Ion Ratio Lower Upper

63 100

65 35.2 25.7 38.5



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

6.41

8000

6000

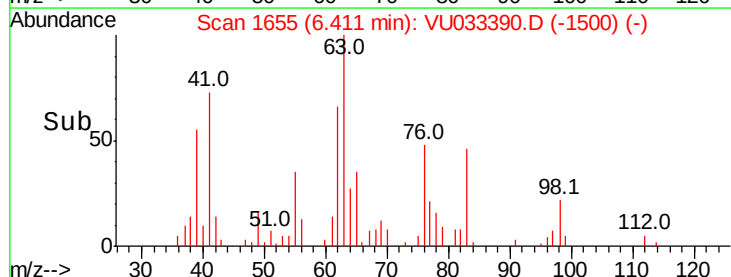
4000

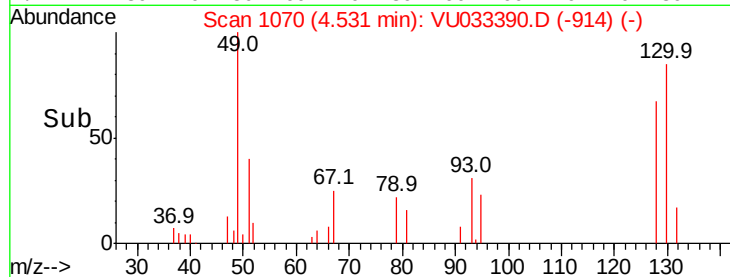
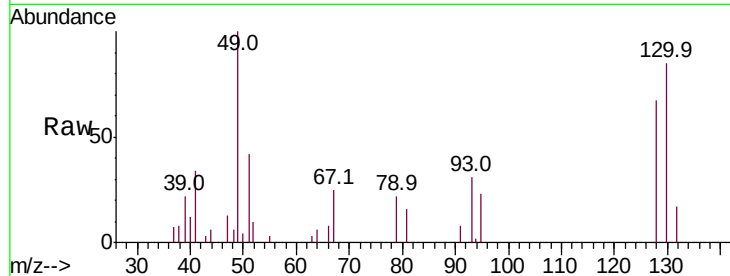
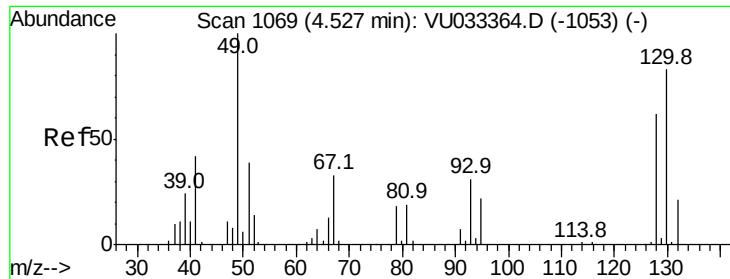
2000

0

6.35 6.40 6.45 6.50

Time-->





#39

Methacrylonitrile

Concen: 1.753 ug/l

RT: 4.53 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Tot Ion	41	Resp	4212
Ion	Ratio	Lower	Upper
41	100		
67	70.2	64.4	96.6
39	67.6	46.8	70.2
52	19.5	28.6	42.8#

Instrument :

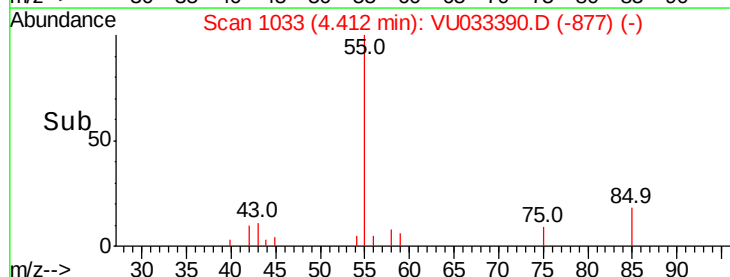
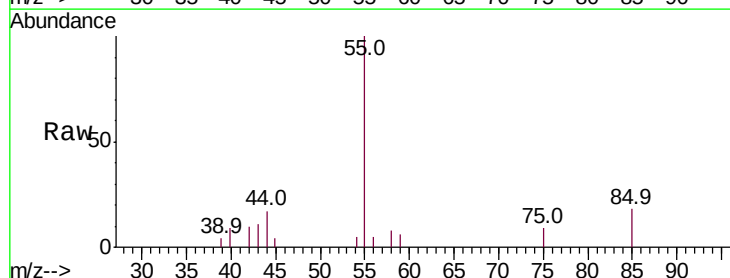
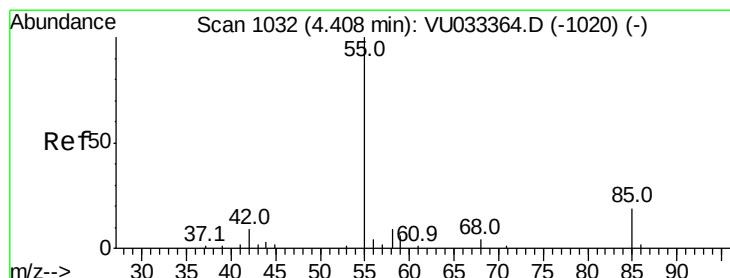
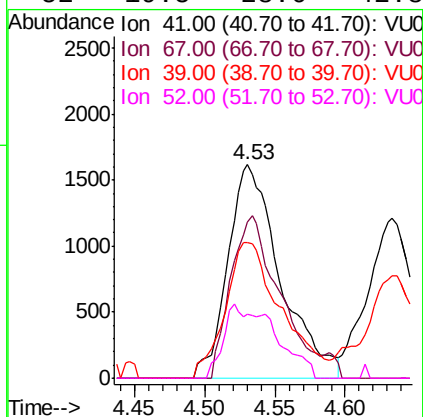
MSVOA_U

ClientSampled :

VU0724WBSD01

Manual Integrations
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#40

Methyl acrylate

Concen: 1.742 ug/l

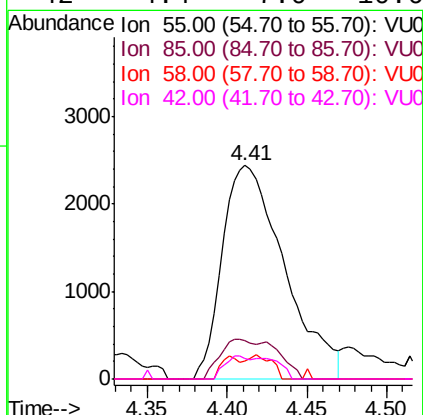
RT: 4.41 min Scan# 1033

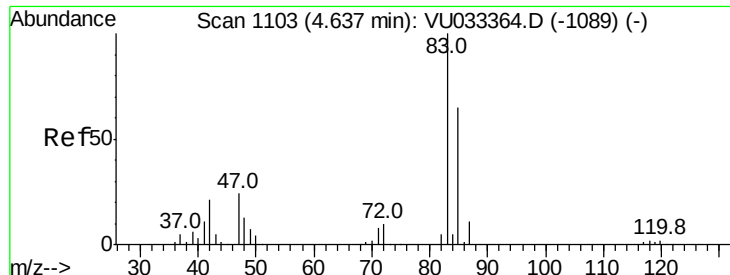
Delta R.T. 0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Tgt Ion	55	Resp	6510
Ion	Ratio	Lower	Upper
55	100		
85	0.0	14.8	22.2#
58	4.0	7.1	10.7#
42	4.4	7.0	10.6#





#41

Tetrahydrofuran

Concen: 3.367 ug/l

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

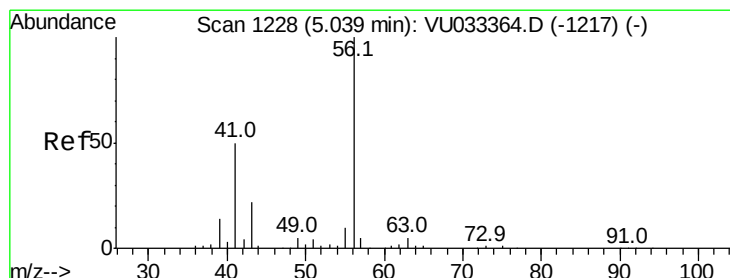
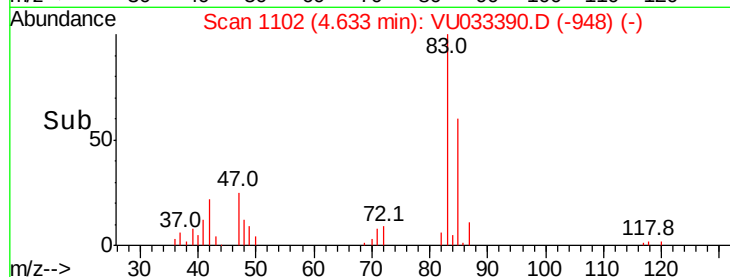
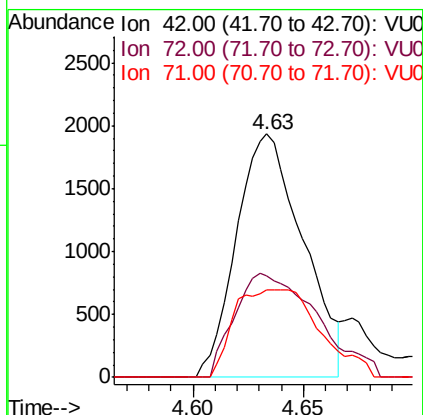
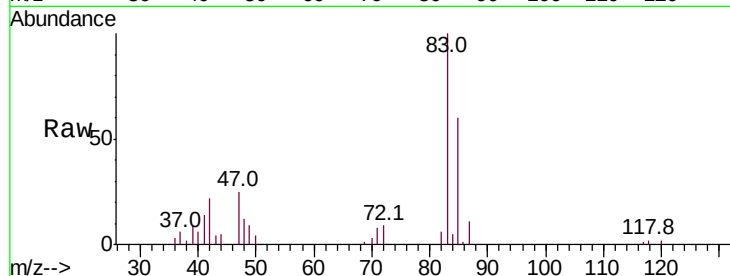
ClientSampleId :

VU0724WBSD01

Tot Ion:	42	Resp:	4056
Ion	Ratio	Lower	Upper
42	100		
72	52.9	38.7	58.1
71	46.4	34.6	52.0

Manual Integrations
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#42

1-Chlorobutane

Concen: 1.978 ug/l

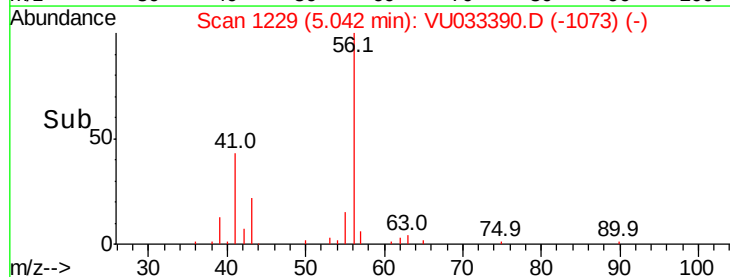
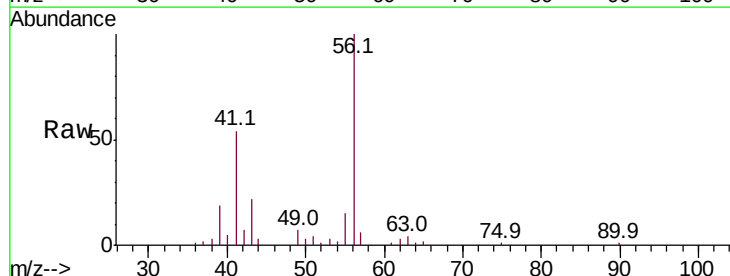
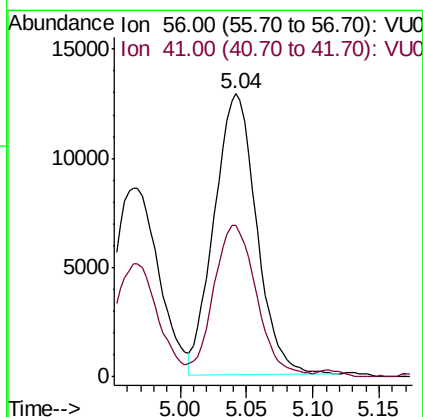
RT: 5.04 min Scan# 1229

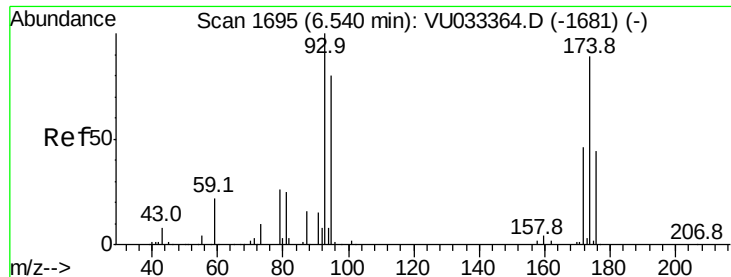
Delta R.T. 0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Tgt Ion:	56	Resp:	28630
Ion	Ratio	Lower	Upper
56	100		
41	54.7	25.7	77.1





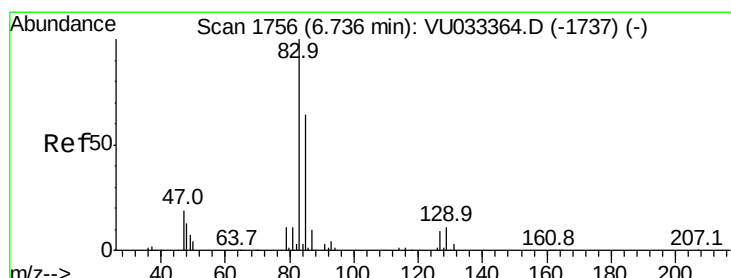
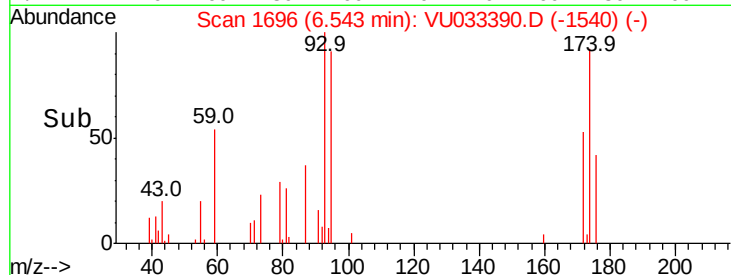
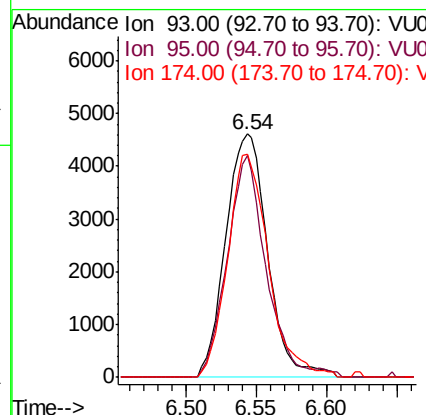
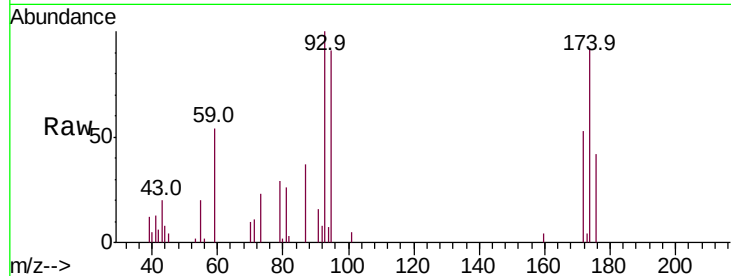
#43
Dibromomethane
Concen: 2.006 ug/l
RT: 6.54 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Instrument :
MSVOA_U
ClientSampleId :
VU0724WBSD01

Tot Ion: 93 Resp: 9557
Ion Ratio Lower Upper
93 100
95 83.4 65.3 97.9
174 89.4 70.7 106.1

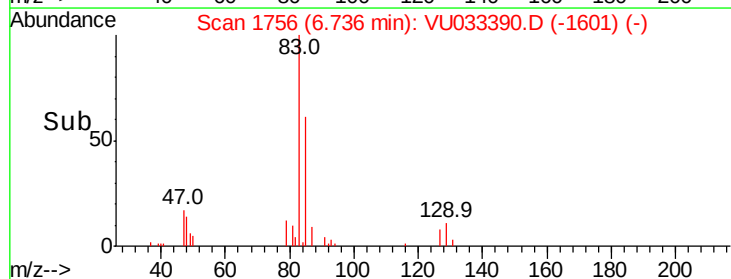
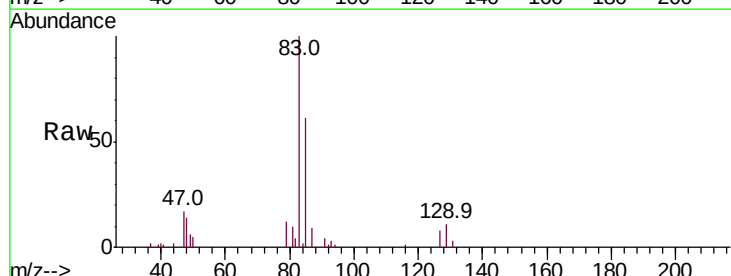
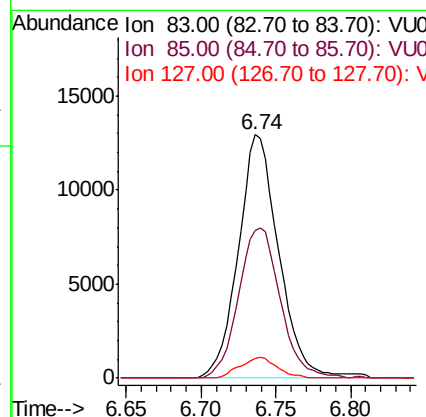
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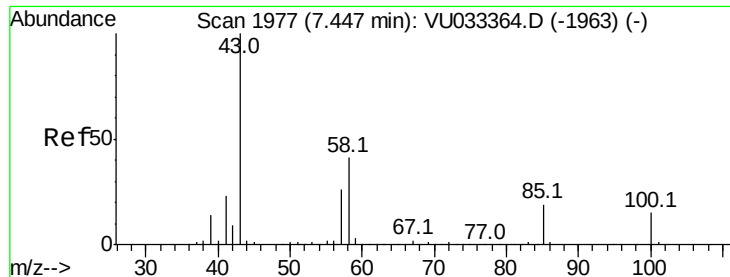
MMDadoda
7/25/2019 12:18:36 PM



#44
Bromodichloromethane
Concen: 2.109 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Tgt Ion: 83 Resp: 24225
Ion Ratio Lower Upper
83 100
85 60.6 51.1 76.7
127 7.9 7.2 10.8





#45

4-Methyl-2-Pentanone

Concen: 8.772 ug/l

RT: 7.45 min Scan# 1978

Delta R.T. 0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

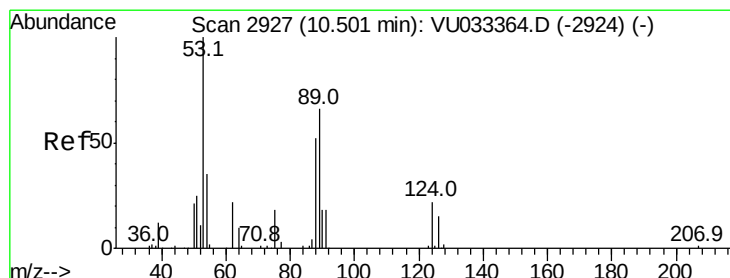
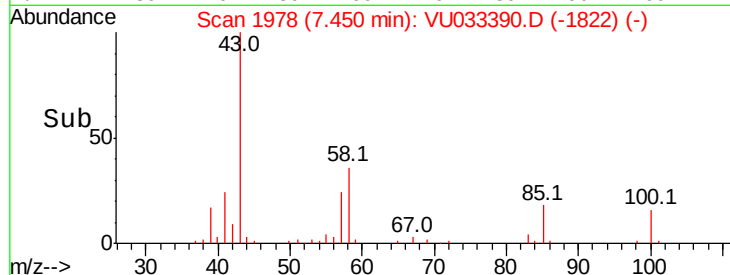
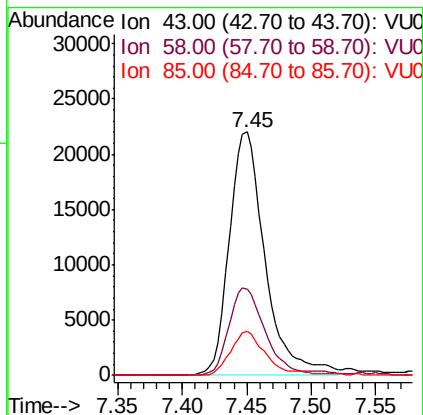
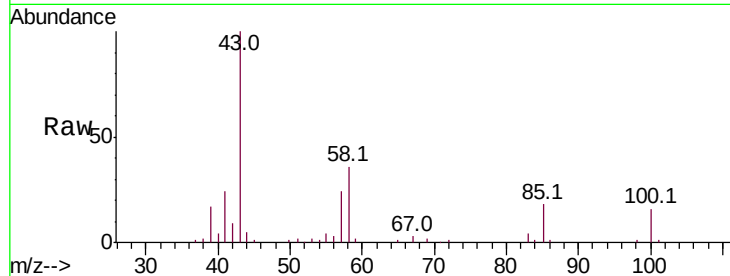
ClientSampleId :

VU0724WBSD01

Tot Ion:	43	Resp:	42625
Ion	Ratio	Lower	Upper
43	100		
58	37.1	20.3	60.8
85	16.8	15.0	22.6

Manual Integrations
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#46

t-1,4-Dichloro-2-butene

Concen: 3.594 ug/l m

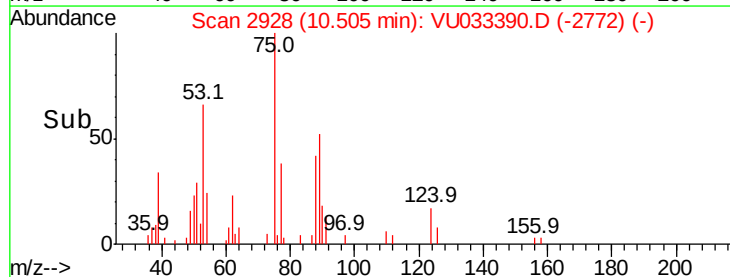
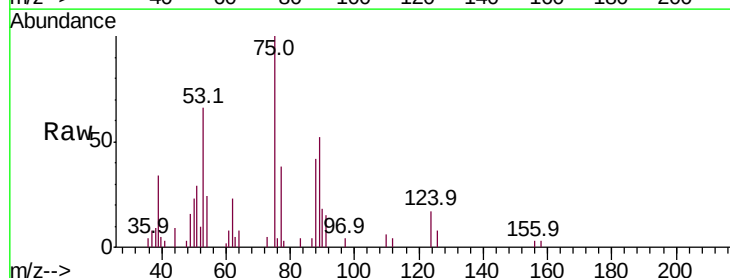
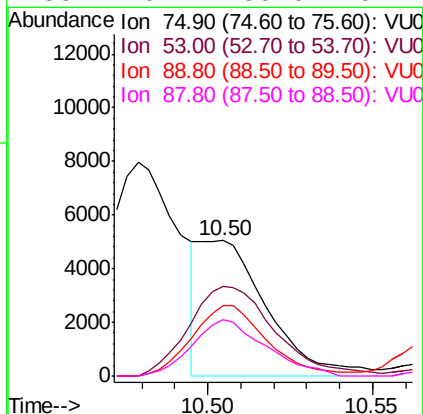
RT: 10.50 min Scan# 2928

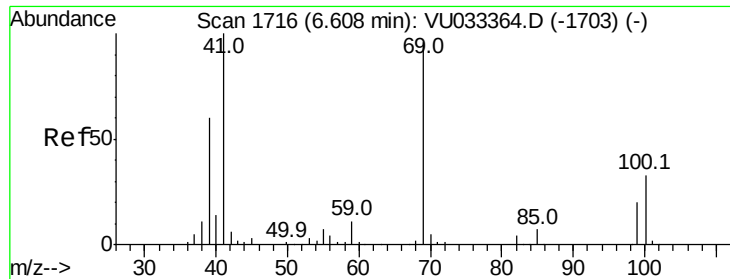
Delta R.T. 0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Tgt Ion:	75	Resp:	7048
Ion	Ratio	Lower	Upper
75	100		
53	85.7	62.9	94.3
89	58.7	43.0	64.4
88	46.4	35.0	52.4





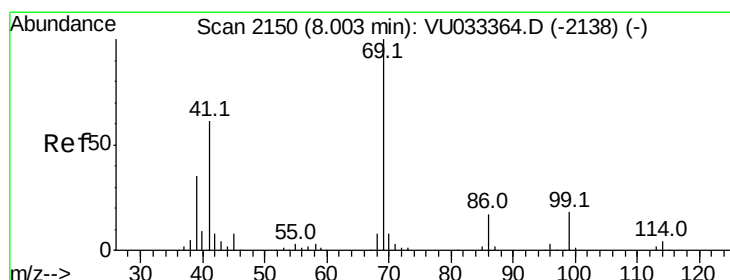
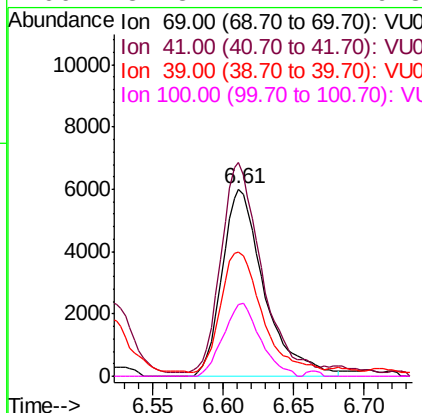
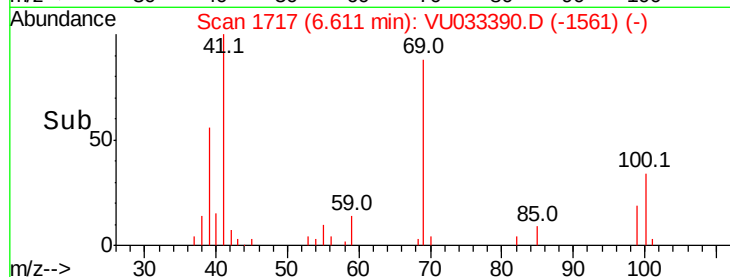
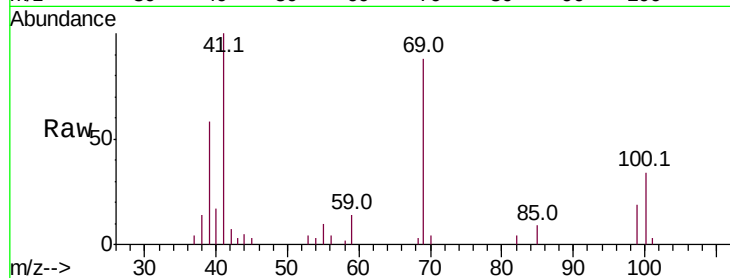
#47
Methyl methacrylate
Concen: 3.437 ug/l
RT: 6.61 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Instrument :
MSVOA_U
ClientSampleId :
VU0724WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	106.4	0.0	208.2	
39	62.8	50.6	75.8	
100	34.3	27.2	40.8	

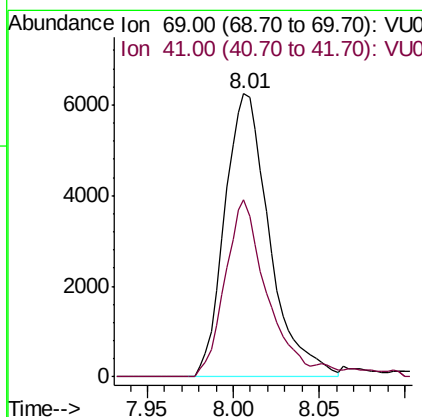
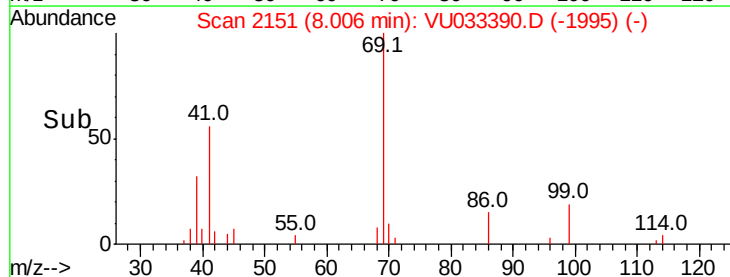
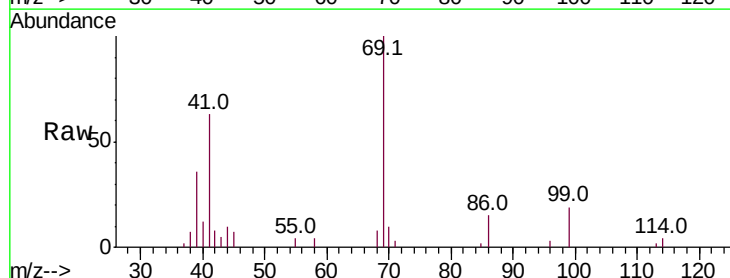
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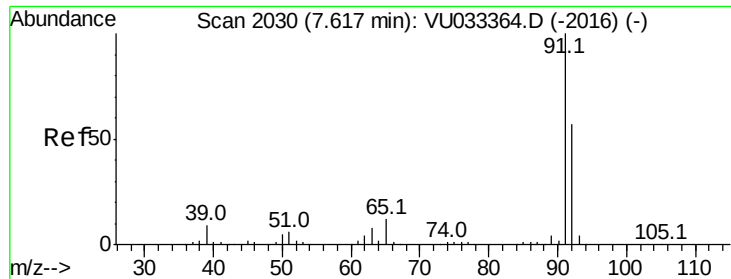
MMDadoda
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#48
Ethyl methacrylate
Concen: 1.768 ug/l
RT: 8.01 min Scan# 2151
Delta R.T. 0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	57.4	30.9	92.7	





#49

Toluene

Concen: 1.982 ug/l

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

ClientSampleId :

VU0724WBSD01

Tot Ion: 92 Resp: 35417

Ion Ratio Lower Upper

92 100

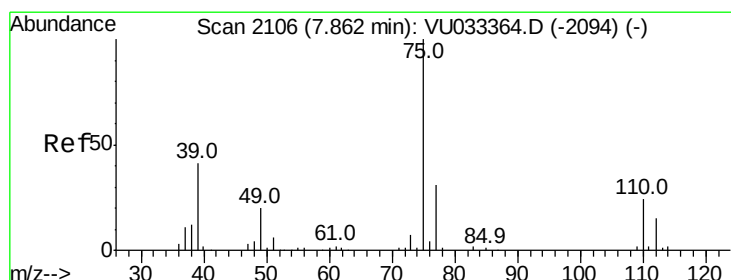
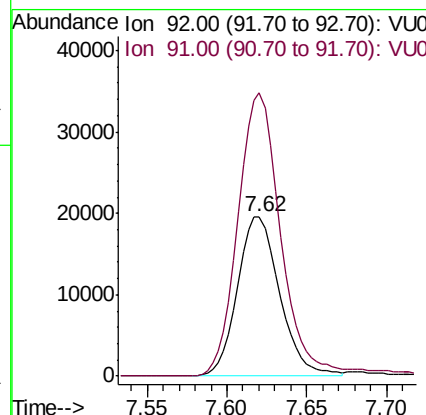
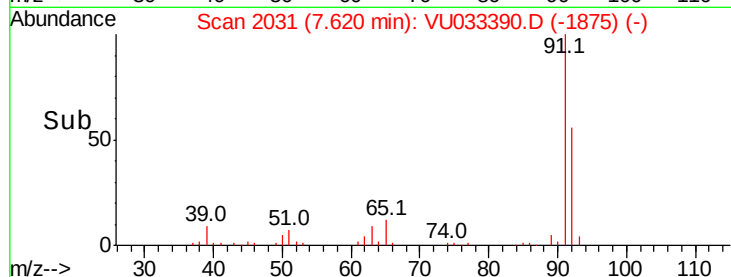
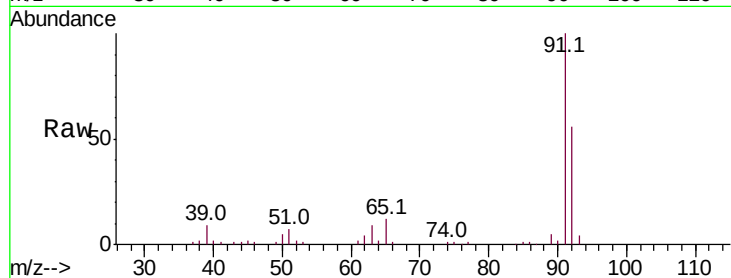
91 182.9 142.1 213.1

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 1.825 ug/l

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033390.D

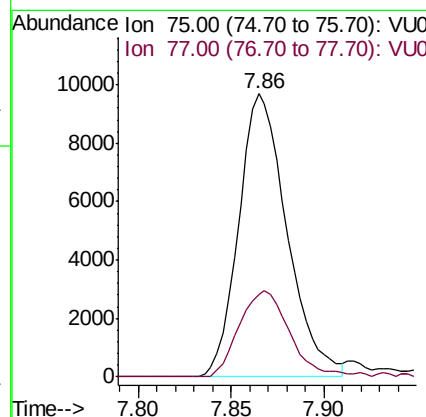
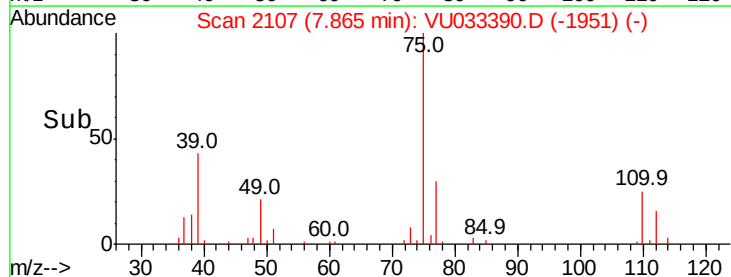
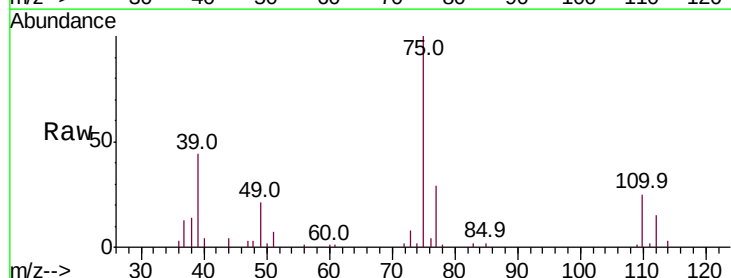
Acq: 24 Jul 2019 13:35

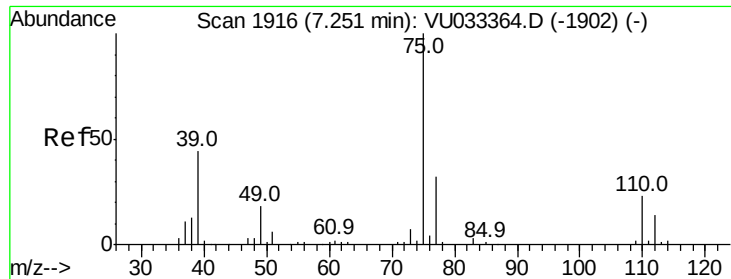
Tgt Ion: 75 Resp: 17489

Ion Ratio Lower Upper

75 100

77 29.3 25.2 37.8





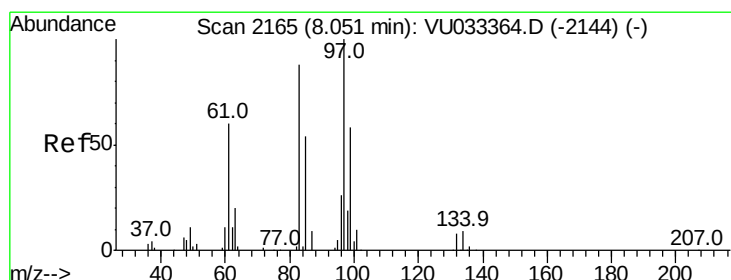
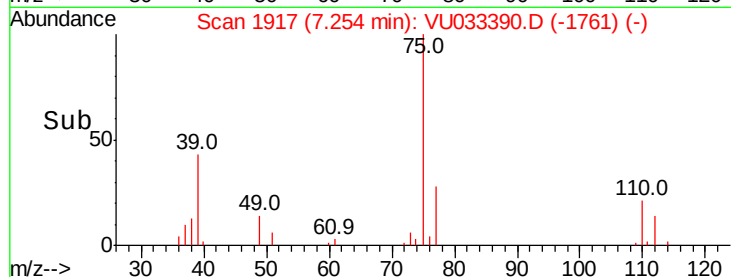
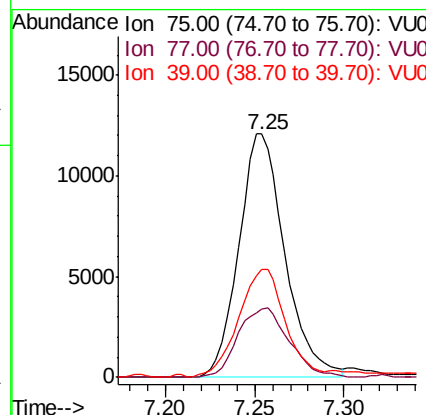
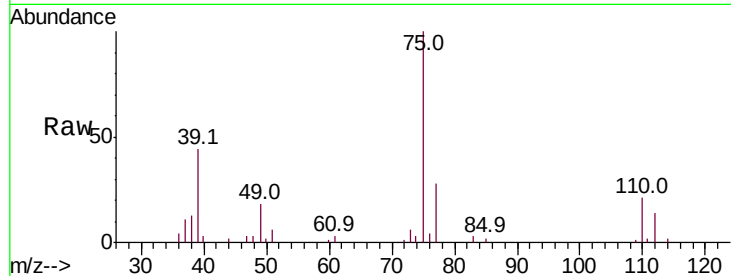
#51
 cis-1,3-Dichloropropene
 Concen: 1.925 ug/l
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033390.D
 Acq: 24 Jul 2019 13:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0724WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.1	25.8	38.8
39	44.2	35.2	52.8

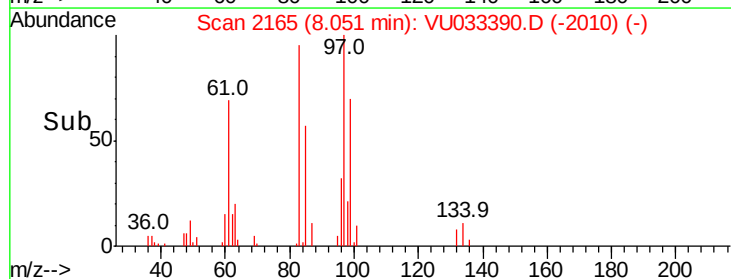
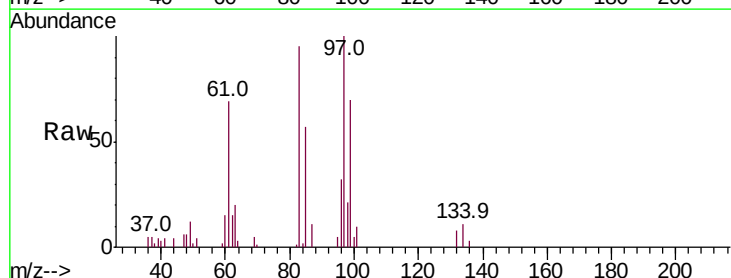
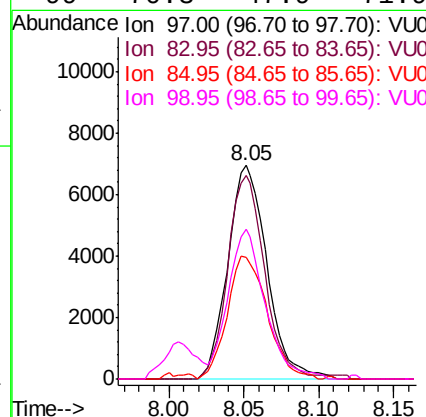
Manual Integrations
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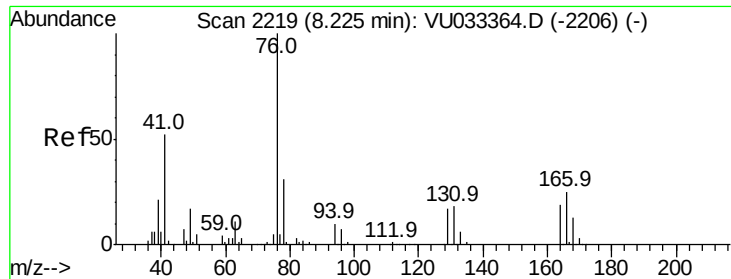
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#52
 1,1,2-Trichloroethane
 Concen: 1.995 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VU033390.D
 Acq: 24 Jul 2019 13:35

Tgt Ion	Ratio	Lower	Upper
97	100		
83	95.2	70.2	105.2
85	57.1	43.5	65.3
99	70.3	47.9	71.9





#53

1,3-Dichloropropane

Concen: 1.995 ug/l

RT: 8.23 min Scan# 2220

Delta R.T. 0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

ClientSampleId :

VU0724WBSD01

Tot Ion: 76 Resp: 21461

Ion Ratio Lower Upper

76 100

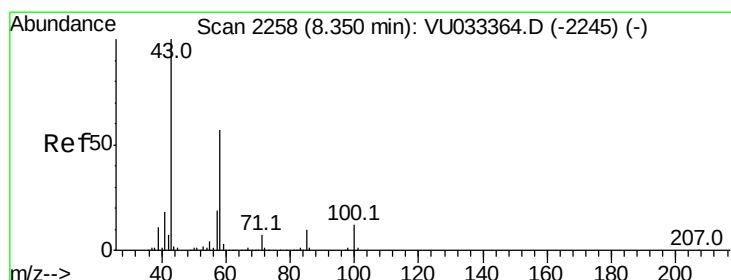
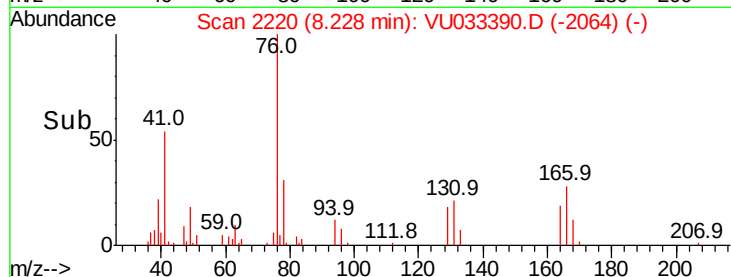
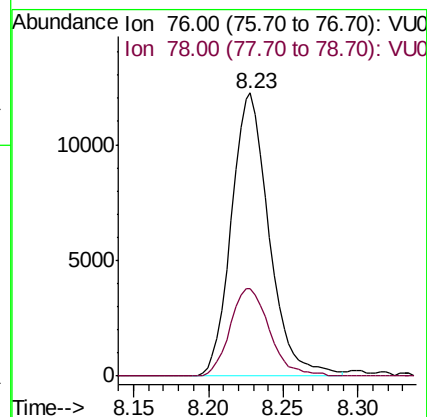
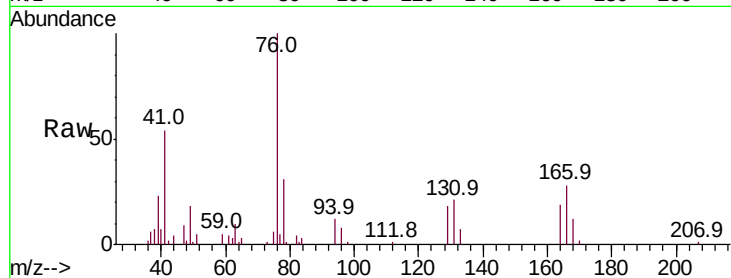
78 32.2 25.7 38.5

Manual Integrations

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#54

2-Hexanone

Concen: 8.254 ug/l

RT: 8.35 min Scan# 2258

Delta R.T. -0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

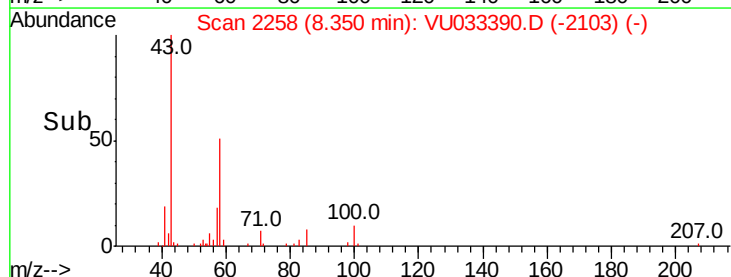
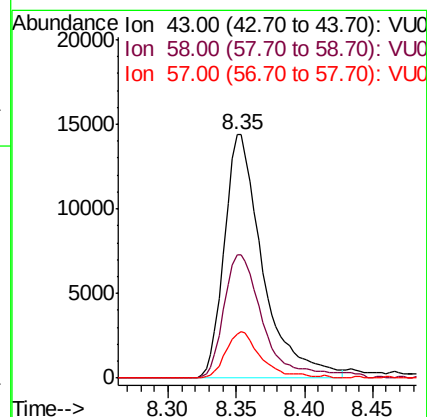
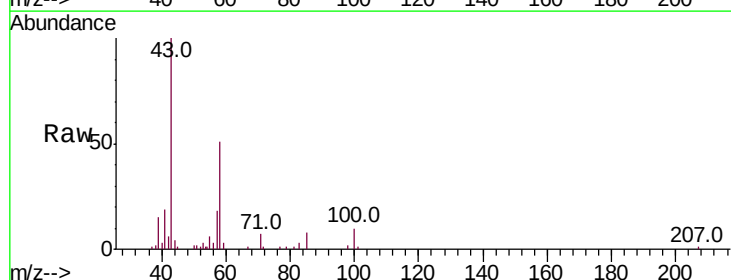
Tgt Ion: 43 Resp: 28234

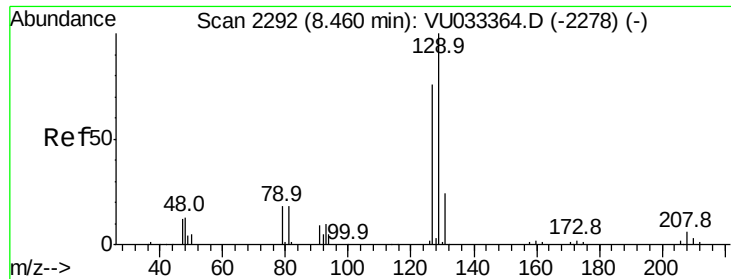
Ion Ratio Lower Upper

43 100

58 51.0 36.0 76.0

57 17.4 0.0 39.4





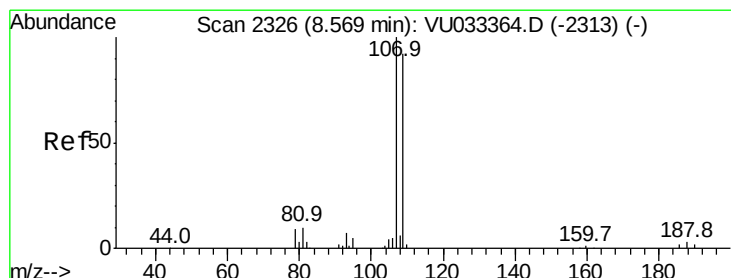
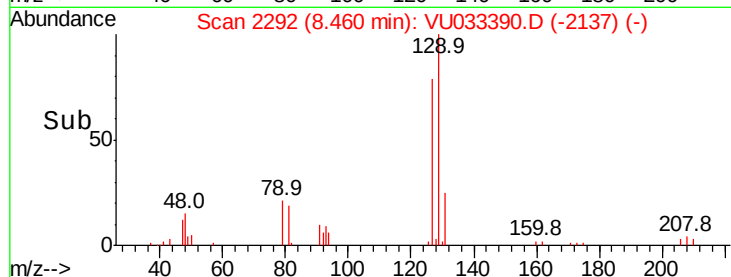
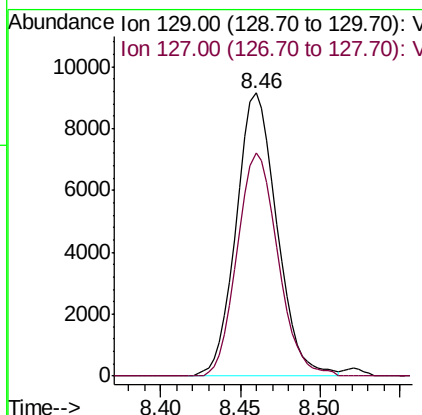
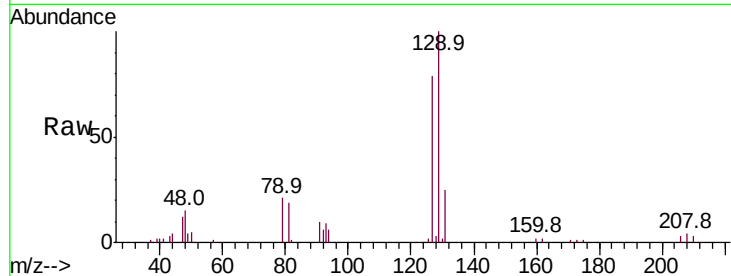
#55
 Dibromochloromethane
 Concen: 2.137 ug/l
 RT: 8.46 min Scan# 2292
 Delta R.T. -0.00 min
 Lab File: VU033390.D
 Acq: 24 Jul 2019 13:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0724WBSD01

Tot Ion:129 Resp: 15893
 Ion Ratio Lower Upper
 129 100
 127 78.8 60.9 91.3

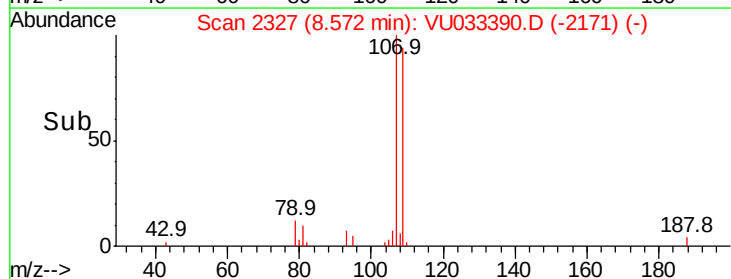
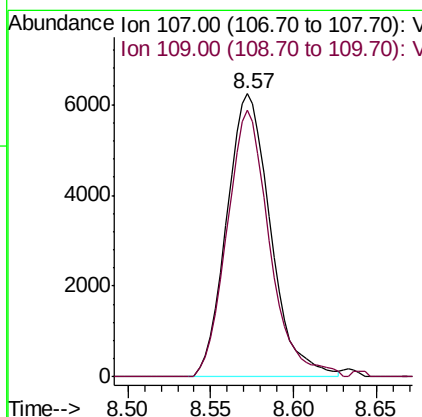
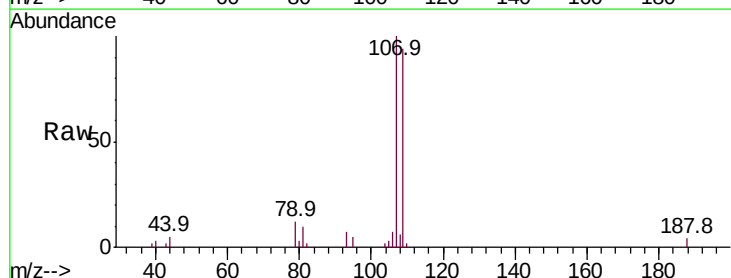
Manual Integrations
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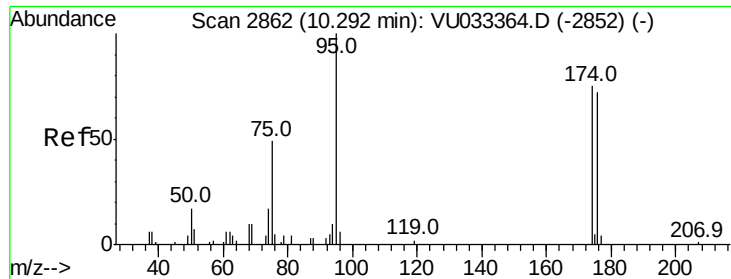
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#56
 1,2-Dibromoethane
 Concen: 1.932 ug/l
 RT: 8.57 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU033390.D
 Acq: 24 Jul 2019 13:35

Tgt Ion:107 Resp: 11469
 Ion Ratio Lower Upper
 107 100
 109 91.5 0.0 184.8





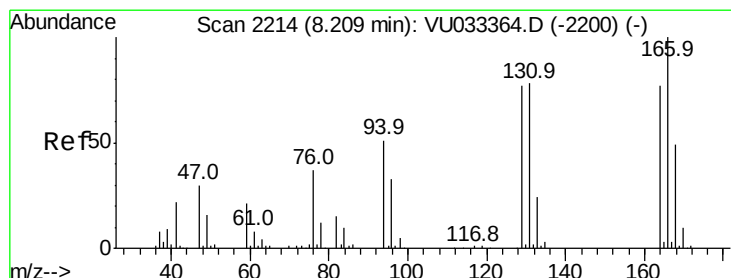
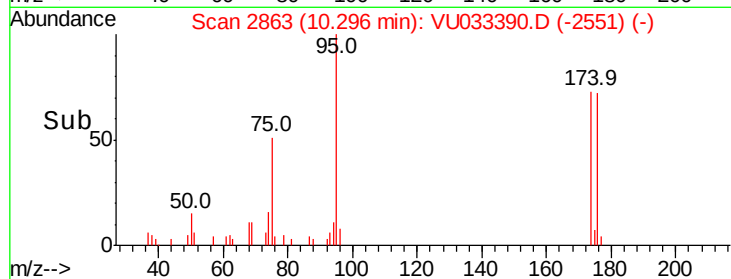
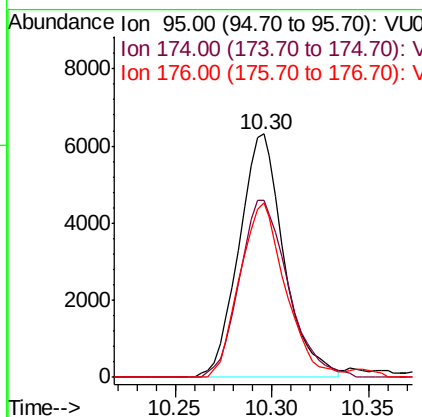
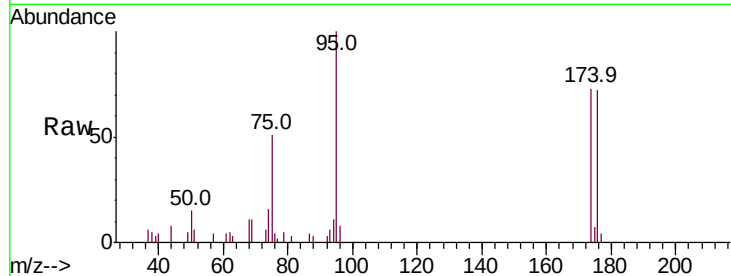
#57
4-Bromofluorobenzene
Concen: 0.996 ug/l
RT: 10.30 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Instrument :
MSVOA_U
ClientSampleId :
VU0724WBSD01

Tot Ion	Ratio	Lower	Upper
95	100		
174	78.7	58.8	88.2
176	72.7	54.4	81.6

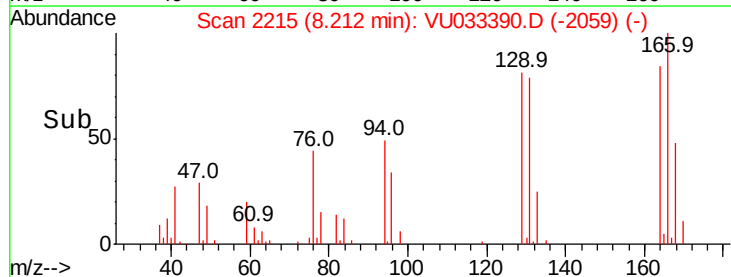
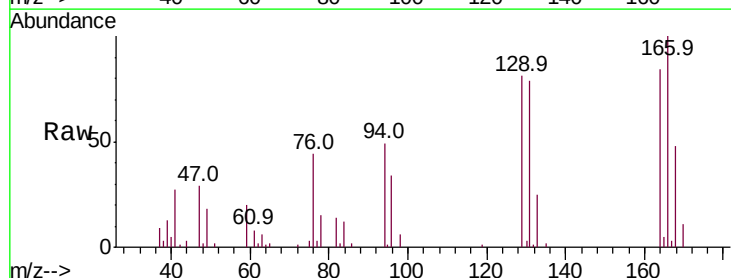
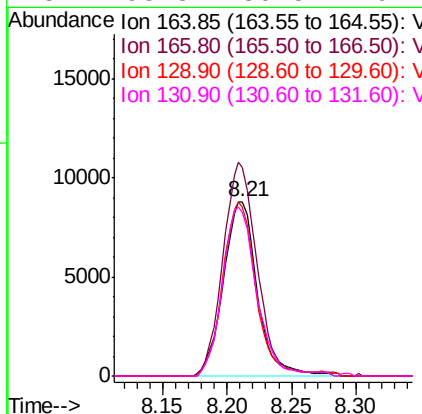
Manual Integrations
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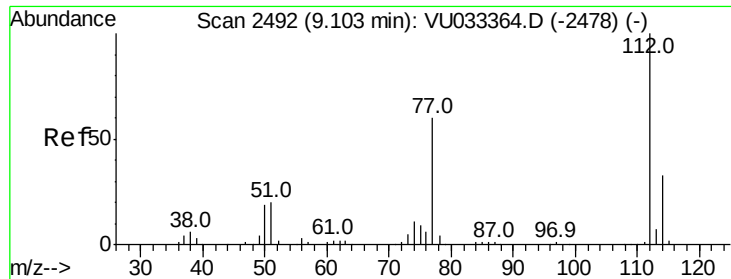
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#58
Tetrachloroethene
Concen: 2.140 ug/l
RT: 8.21 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.2	103.8	155.6
129	96.5	79.7	119.5
131	93.8	80.5	120.7





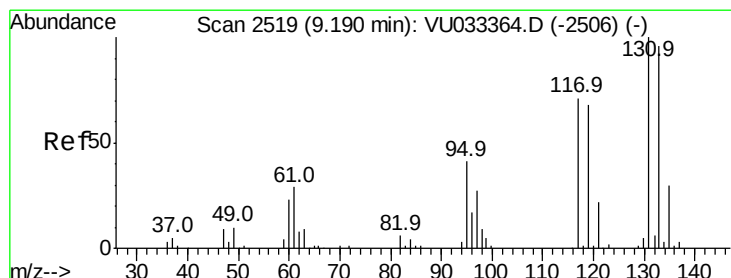
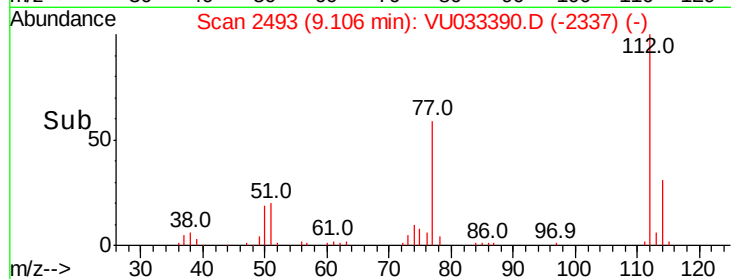
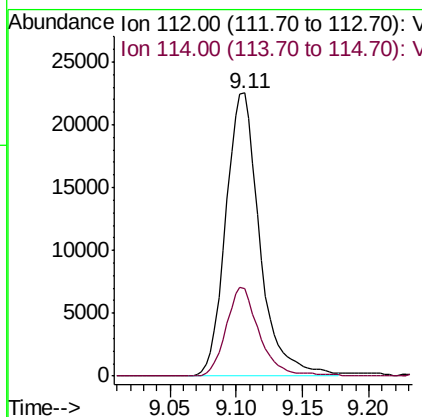
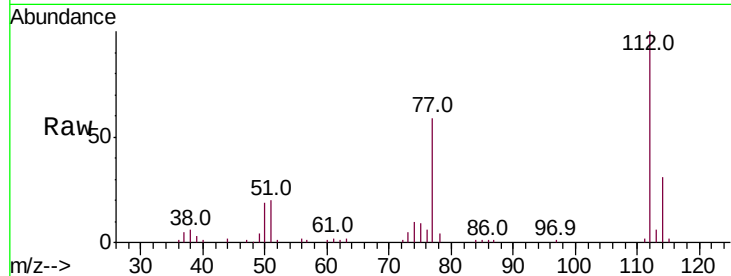
#59
Chlorobenzene
Concen: 1.961 ug/l
RT: 9.11 min Scan# 2493
Delta R.T. 0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Instrument :
MSVOA_U
ClientSampleId :
VU0724WBSD01

Tot Ion:112 Resp: 40173
Ion Ratio Lower Upper
112 100
114 30.7 26.4 39.6

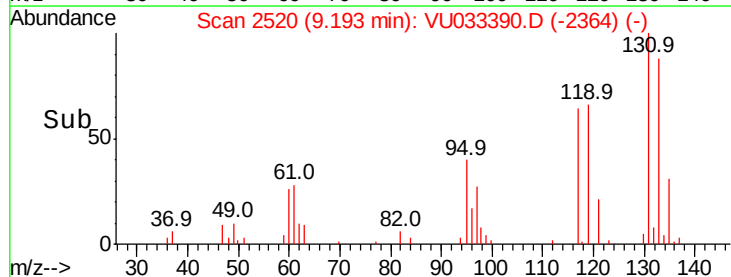
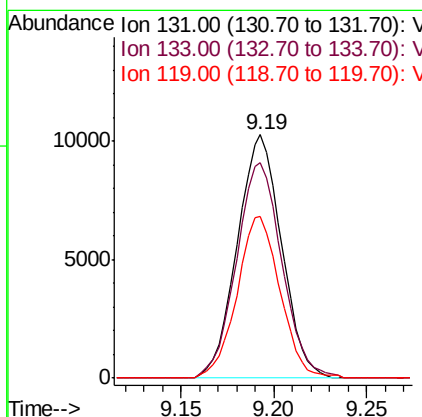
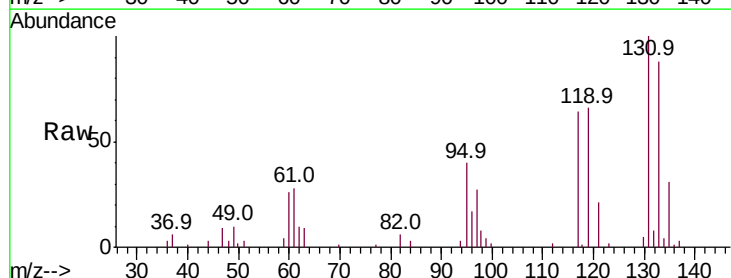
Manual Integrations
APPROVED

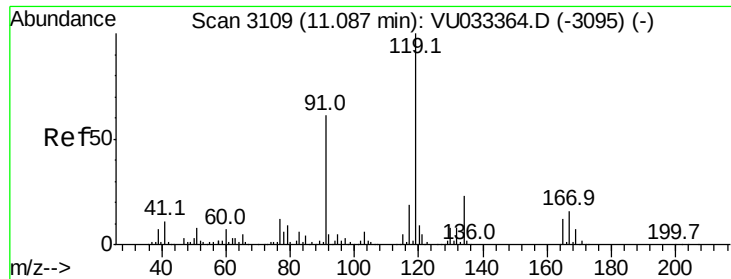
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 2.185 ug/l
RT: 9.19 min Scan# 2520
Delta R.T. 0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Tgt Ion:131 Resp: 16999
Ion Ratio Lower Upper
131 100
133 91.2 76.2 114.4
119 64.7 54.9 82.3





#61

Pentachloroethane

Concen: 2.167 ug/l

RT: 11.09 min Scan# 3109

Delta R.T. -0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

ClientSampleId :

VU0724WBSD01

Tot Ion:117 Resp: 13837

Ion Ratio Lower Upper

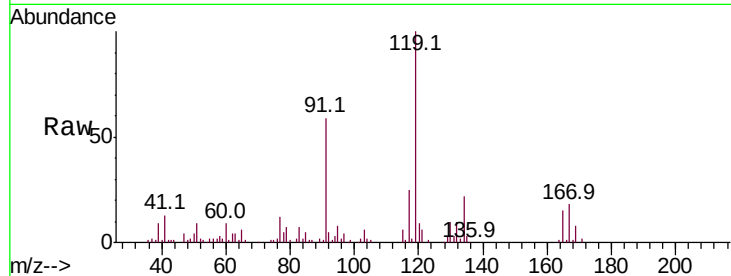
117 100

167 75.6 63.4 95.0

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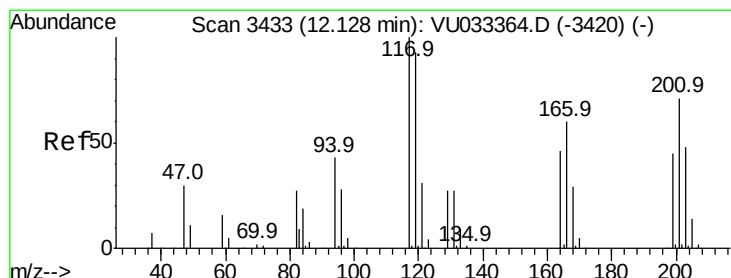
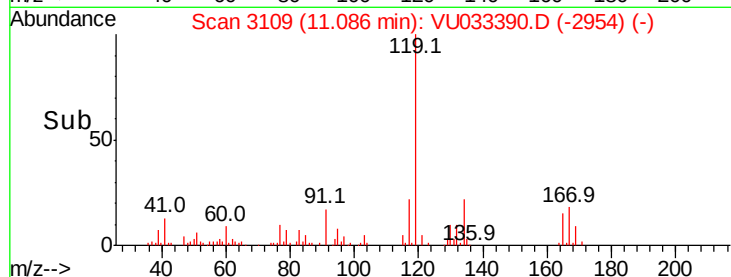
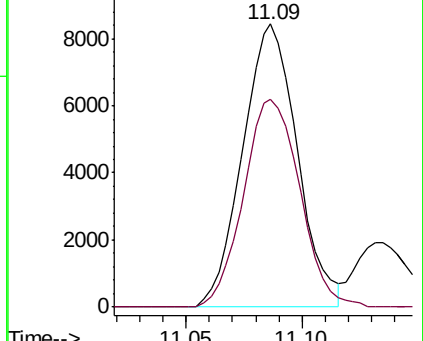
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 2.097 ug/l

RT: 12.13 min Scan# 3433

Delta R.T. -0.00 min

Lab File: VU033390.D

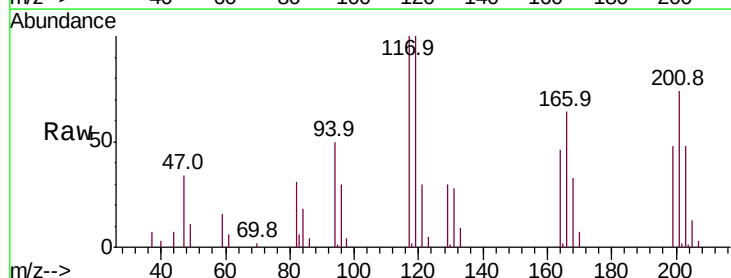
Acq: 24 Jul 2019 13:35

Tgt Ion:117 Resp: 12957

Ion Ratio Lower Upper

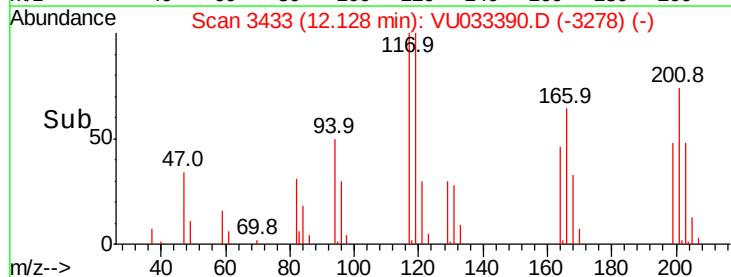
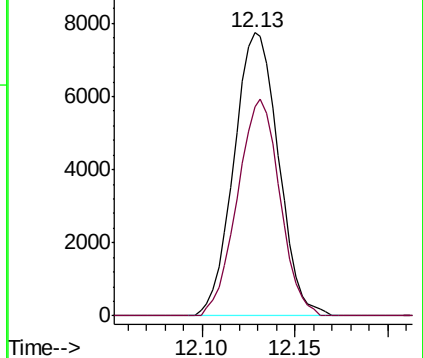
117 100

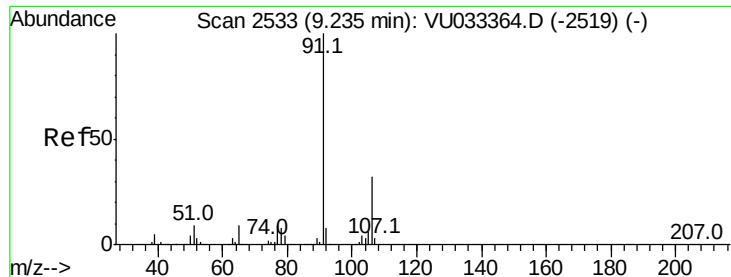
201 72.8 57.9 86.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 1.884 ug/l

RT: 9.23 min Scan# 2533

Delta R.T. -0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

ClientSampleId :

VU0724WBSD01

Tot Ion: 91 Resp: 61958

Ion Ratio Lower Upper

91 100

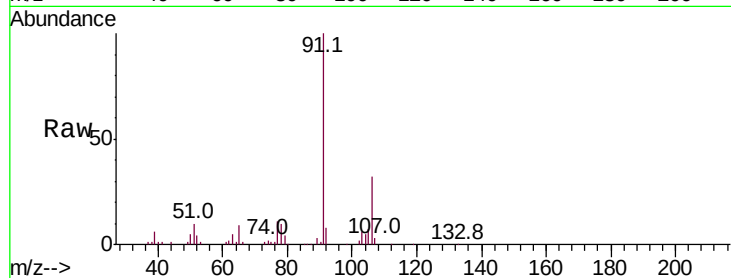
106 32.2 25.4 38.2

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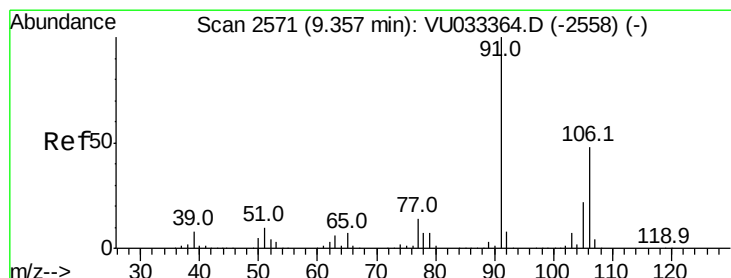
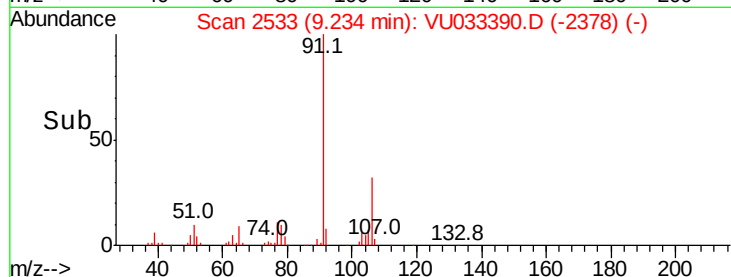
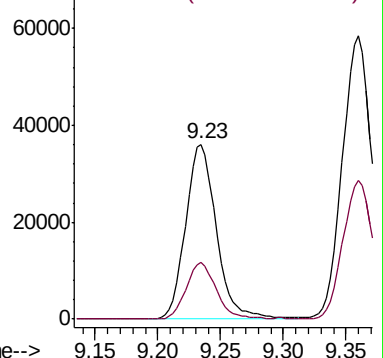
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Abundance Ion 91.00 (90.70 to 91.70): VU033364.D (-2519) (-)



#64

m/p-Xylenes

Concen: 3.810 ug/l

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033390.D

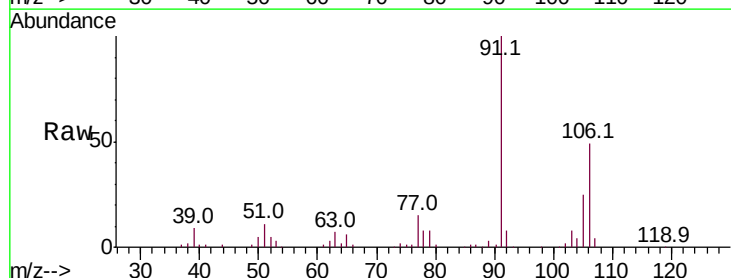
Acq: 24 Jul 2019 13:35

Tgt Ion: 106 Resp: 50102

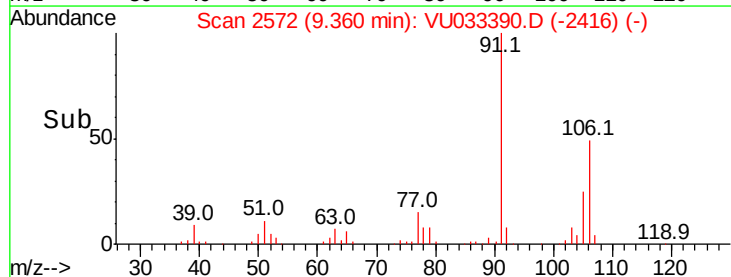
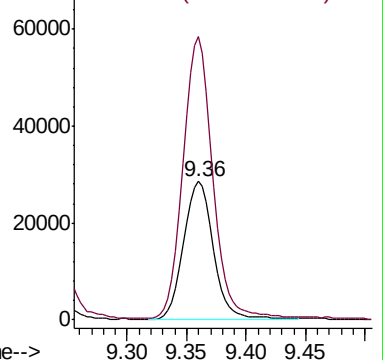
Ion Ratio Lower Upper

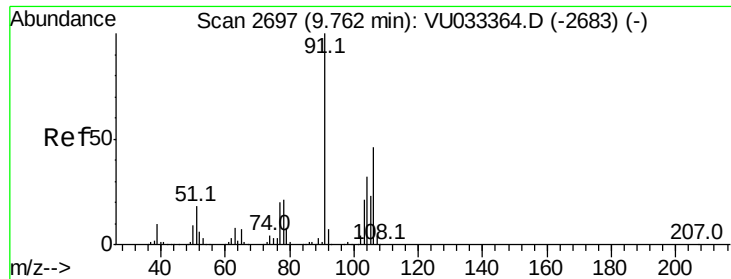
106 100

91 200.3 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): VU033364.D (-2558) (-)





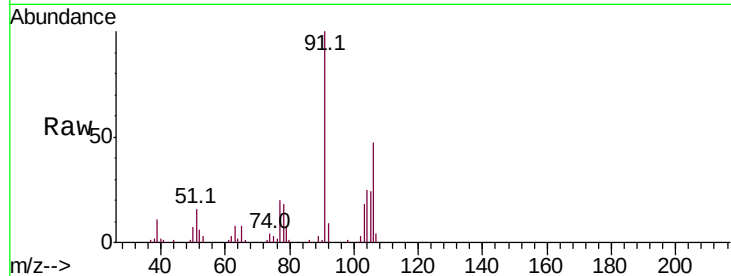
#65
o-Xylene
Concen: 1.859 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Instrument :
MSVOA_U
ClientSampleId :
VU0724WBSD01

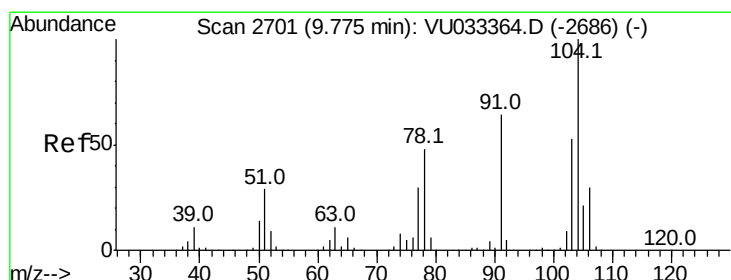
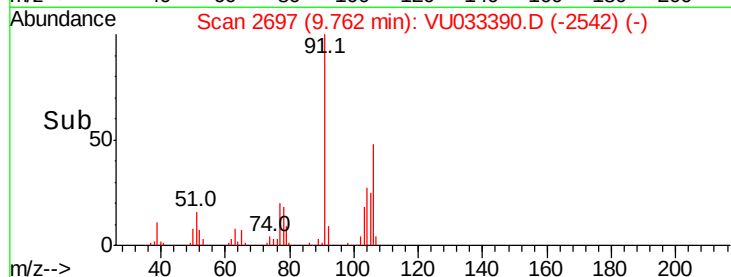
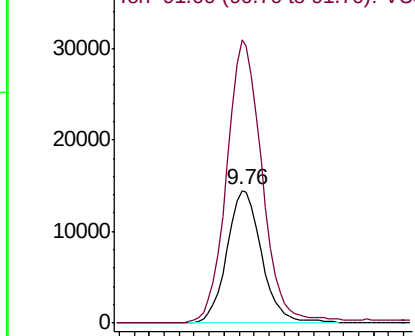
Tot Ion:106 Resp: 23429
Ion Ratio Lower Upper
106 100
91 218.5 108.5 325.3

Manual Integrations
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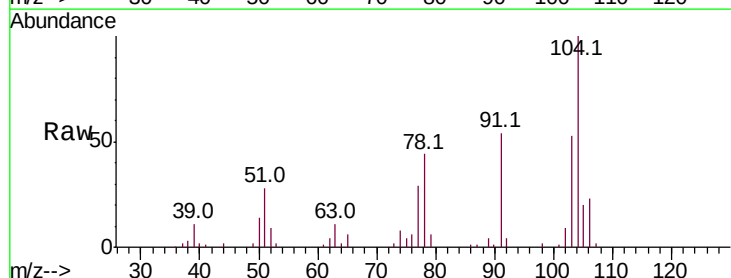


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

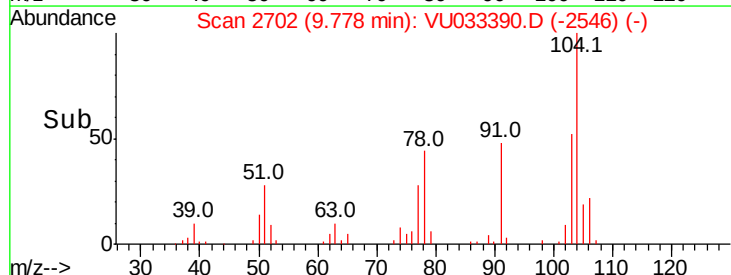
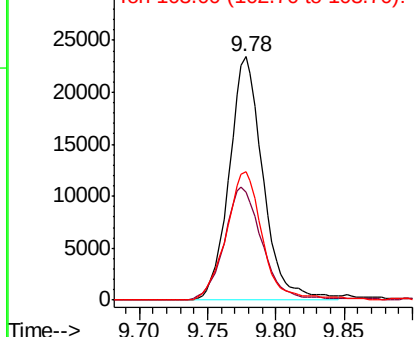


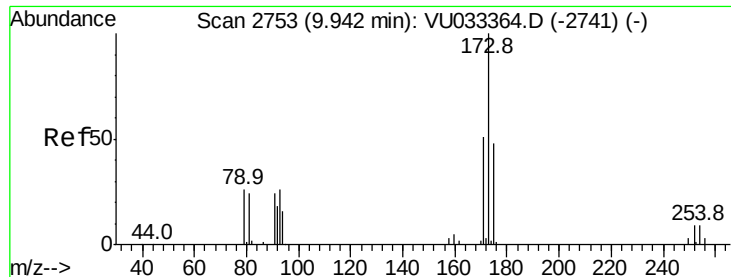
#66
Styrene
Concen: 1.893 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Tgt Ion:104 Resp: 40478
Ion Ratio Lower Upper
104 100
78 51.2 41.2 61.8
103 56.6 44.7 67.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





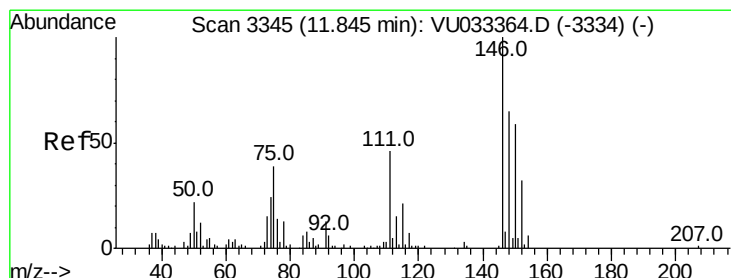
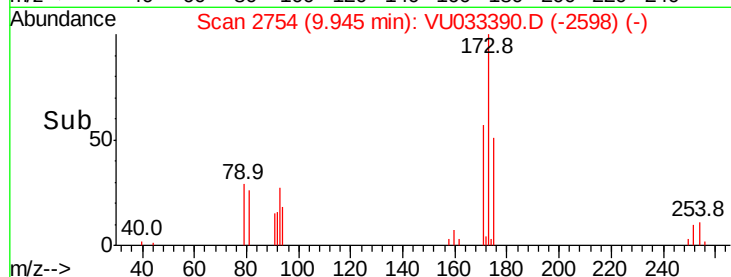
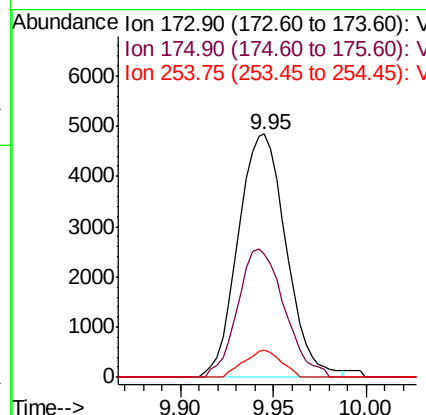
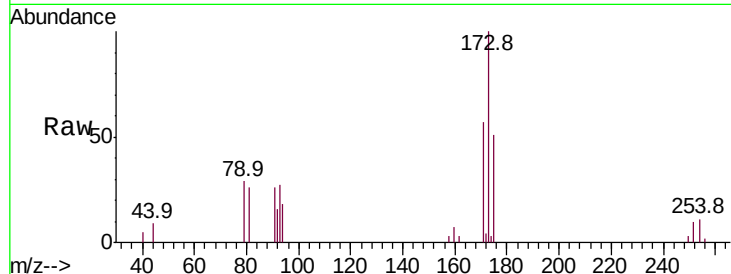
#67
Bromoform
Concen: 2.163 ug/l
RT: 9.95 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Instrument :
MSVOA_U
ClientSampleId :
VU0724WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.5	38.6	58.0
254	8.6	6.8	10.2

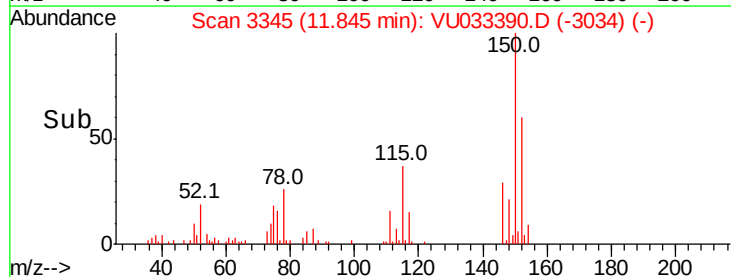
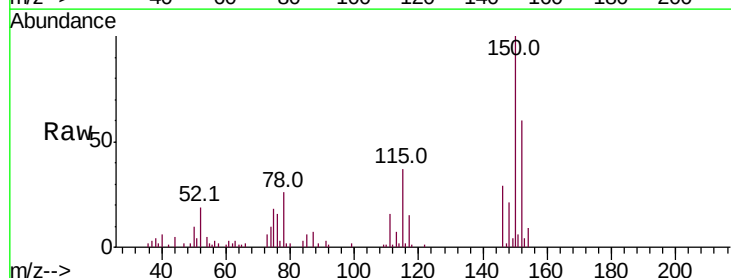
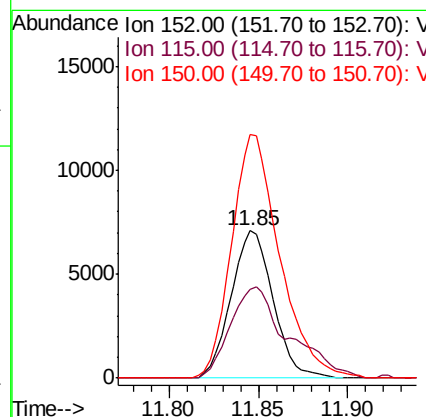
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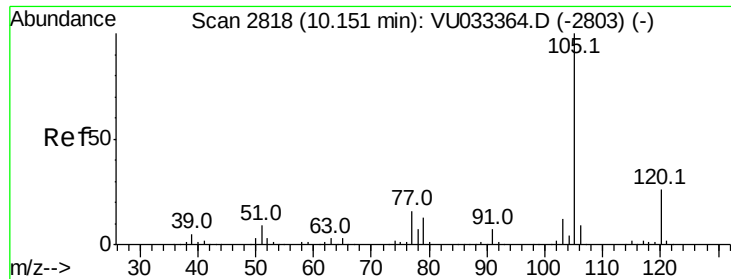
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#68
1,2-Dichlorobenzene-d4
Concen: 1.095 ug/l
RT: 11.85 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	85.5	0.0	123.2
150	189.8	0.0	648.4





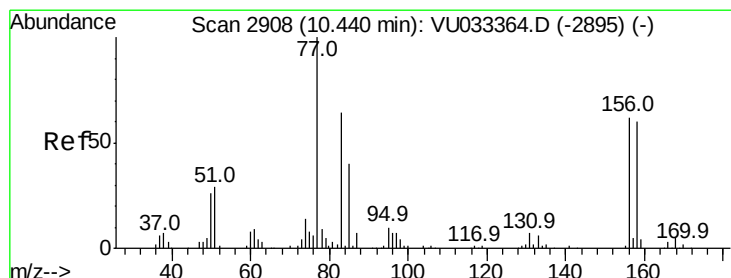
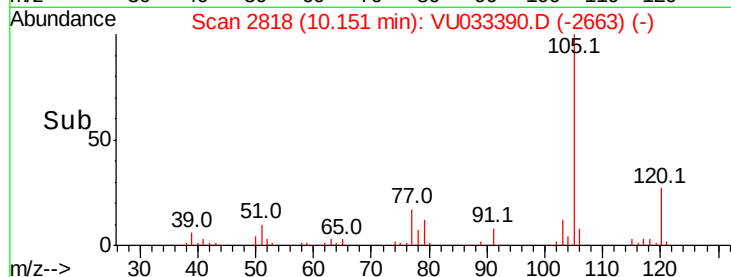
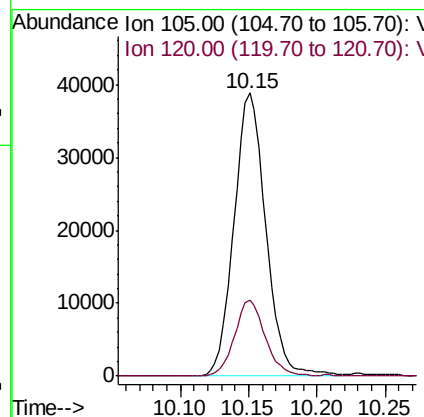
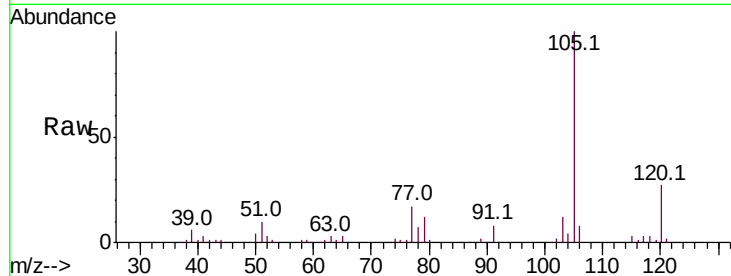
#69
Isopropylbenzene
Concen: 1.954 ug/l
RT: 10.15 min Scan# 2818
Delta R.T. -0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Instrument :
MSVOA_U
ClientSampleId :
VU0724WBSD01

Tot Ion:105 Resp: 63138
Ion Ratio Lower Upper
105 100
120 25.9 13.4 40.1

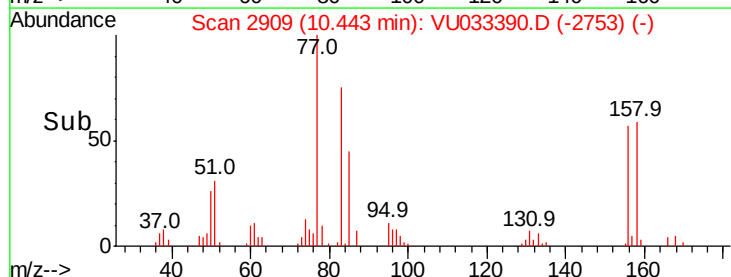
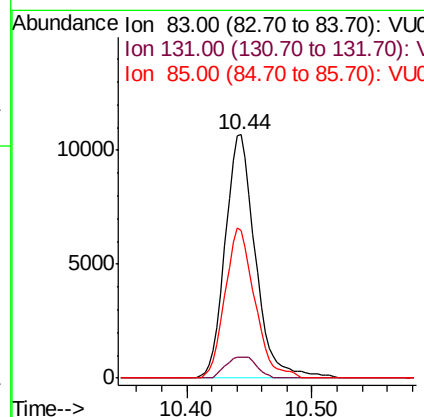
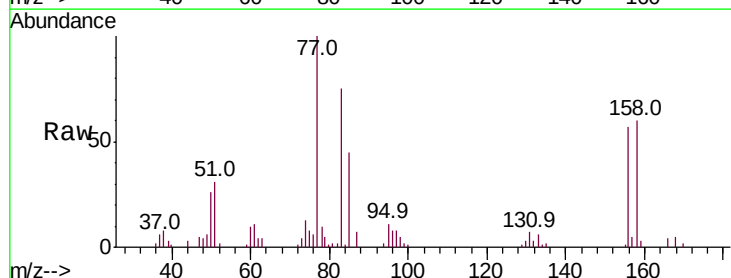
Manual Integrations
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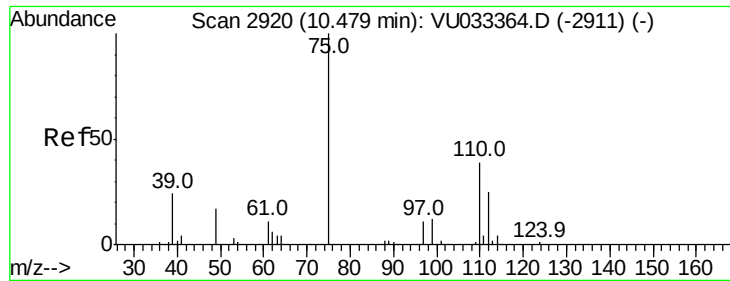
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#70
1,1,2,2-Tetrachloroethane
Concen: 2.128 ug/l
RT: 10.44 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Tgt Ion: 83 Resp: 17958
Ion Ratio Lower Upper
83 100
131 8.7 8.0 12.0
85 60.6 51.8 77.8





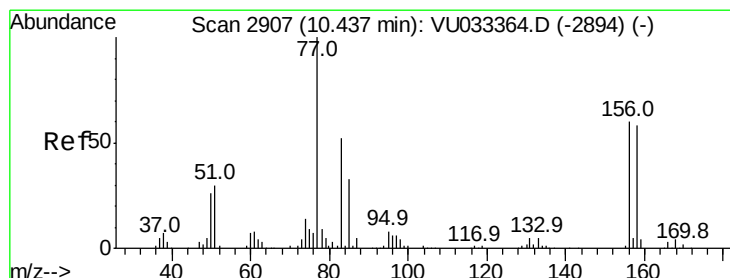
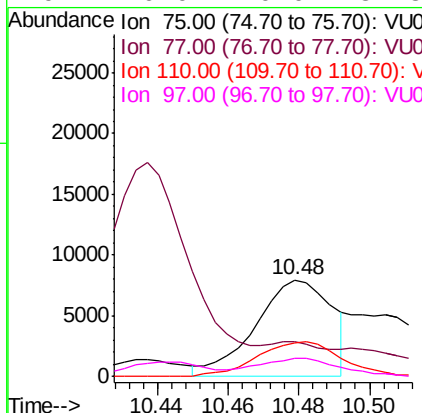
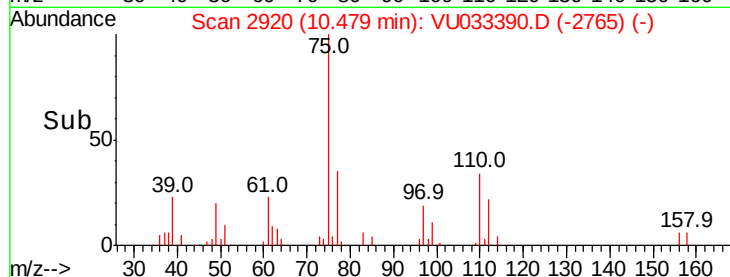
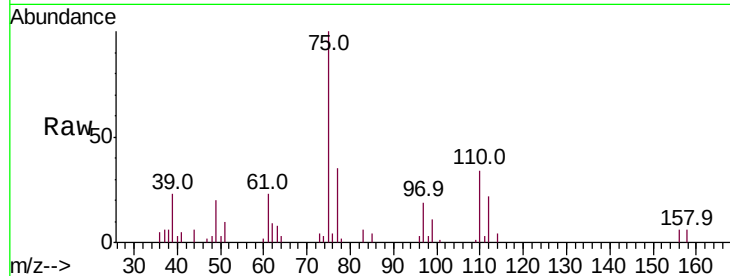
#71
1,2,3-Trichloropropane
Concen: 1.820 ug/l m
RT: 10.48 min Scan# 2920
Delta R.T. -0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Instrument :
MSVOA_U
ClientSampled :
VU0724WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	18.2
110	39.4	0.0	71.4
97	20.0	0.0	37.8

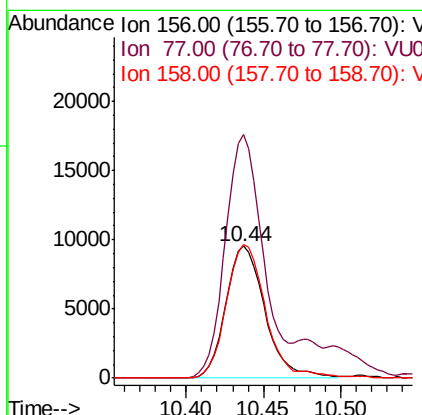
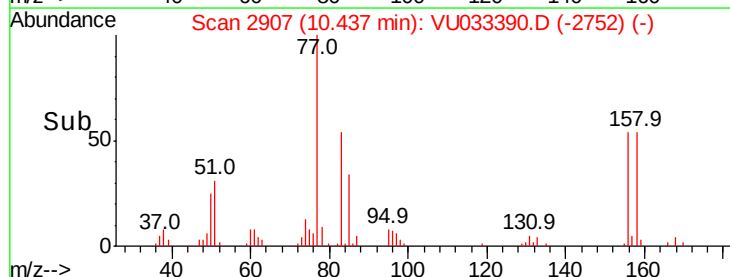
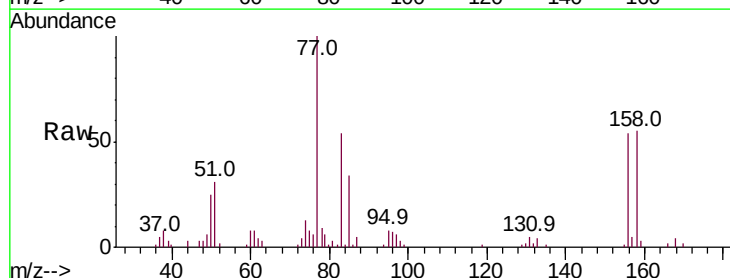
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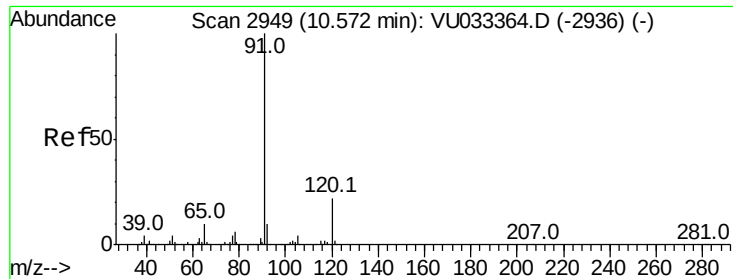
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#72
Bromobenzene
Concen: 1.967 ug/l
RT: 10.44 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Tgt Ion	Ratio	Lower	Upper
156	100		
77	177.9	0.0	324.4
158	101.2	0.0	192.4





#73

n-propylbenzene

Concen: 1.932 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

ClientSampleId :

VU0724WBSD01

Tot Ion:120 Resp: 17798

Ion Ratio Lower Upper

120 100

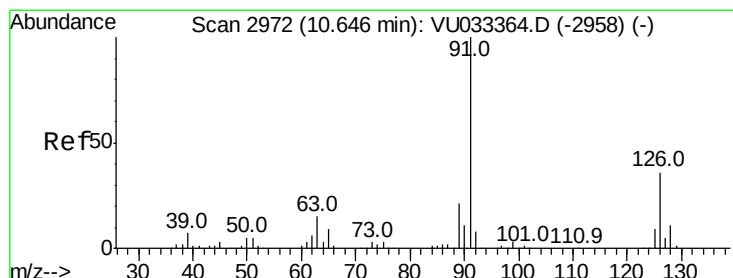
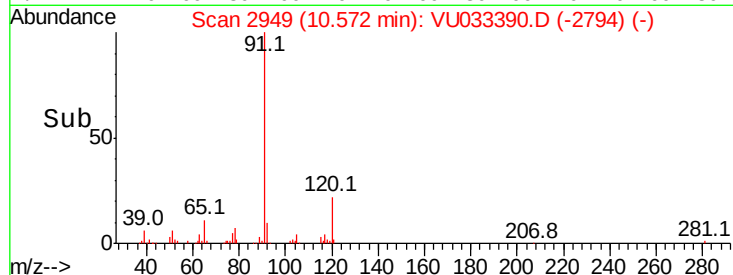
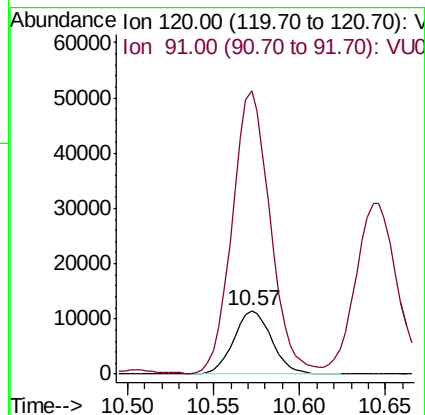
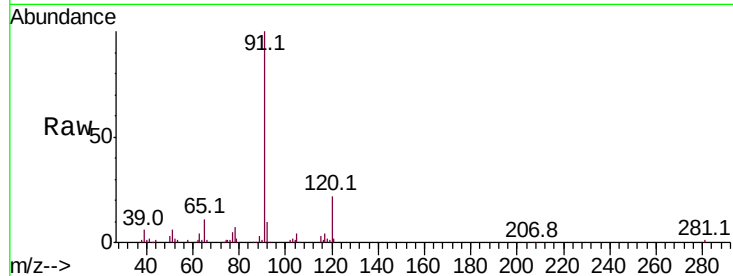
91 440.6 355.1 532.7

Manual Integrations

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#74

2-Chlorotoluene

Concen: 2.119 ug/l

RT: 10.65 min Scan# 2972

Delta R.T. -0.00 min

Lab File: VU033390.D

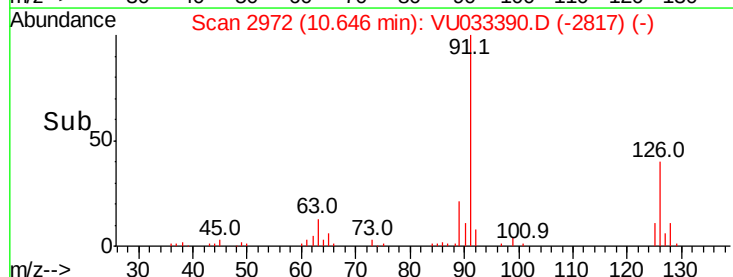
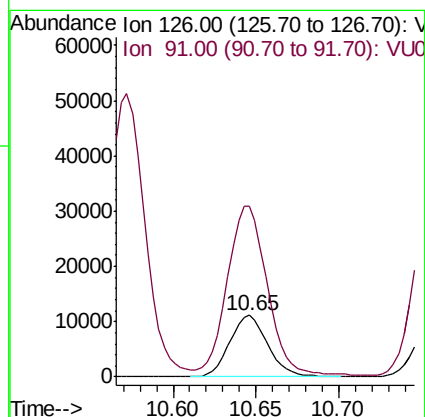
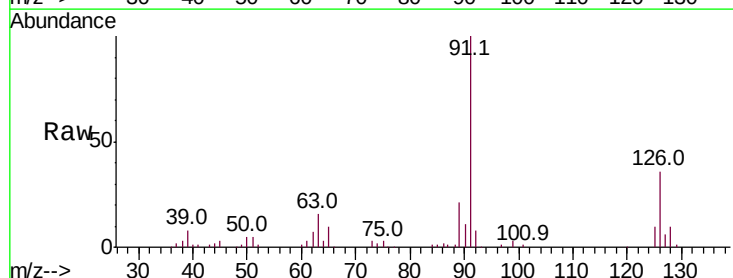
Acq: 24 Jul 2019 13:35

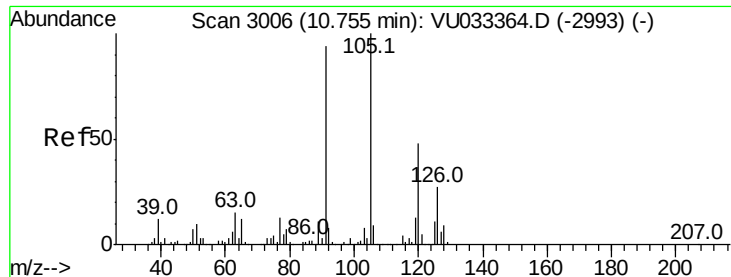
Tgt Ion:126 Resp: 17817

Ion Ratio Lower Upper

126 100

91 289.0 0.0 598.0





#75

1,3,5-Trimethylbenzene

Concen: 1.954 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

ClientSampleId :

VU0724WBSD01

Tot Ion:105 Resp: 56678

Ion Ratio Lower Upper

105 100

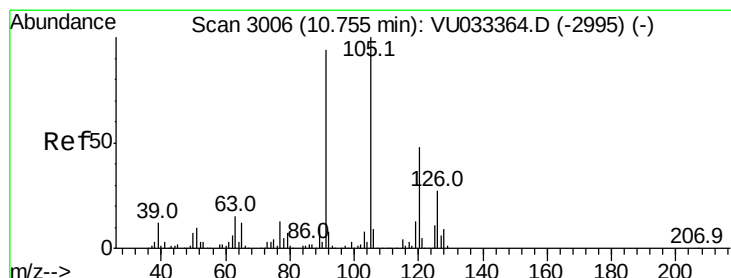
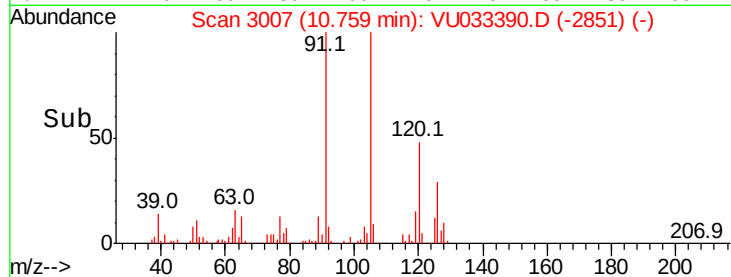
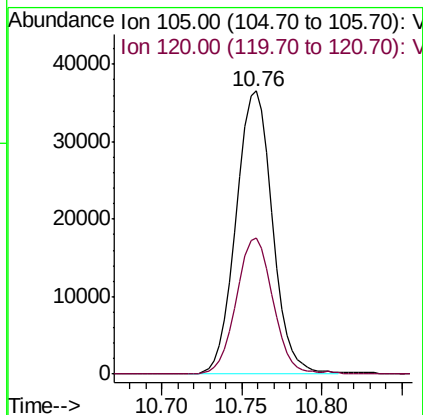
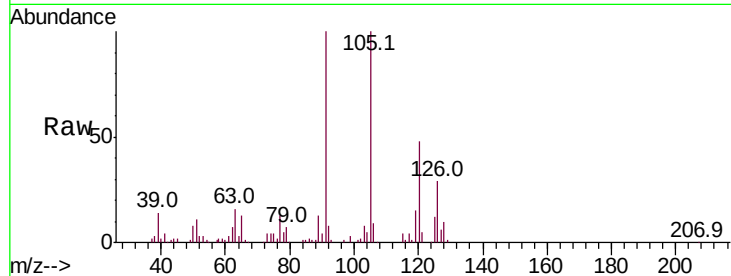
120 48.6 38.2 57.4

Manual Integrations

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#76

4-Chlorotoluene

Concen: 2.044 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033390.D

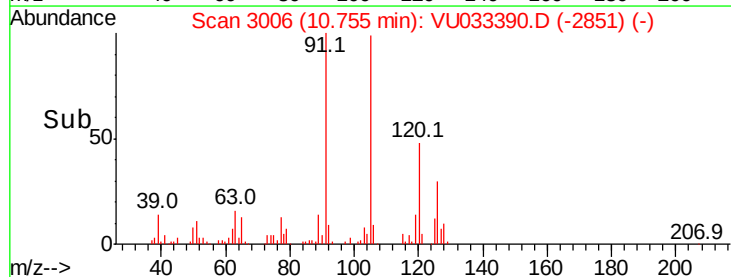
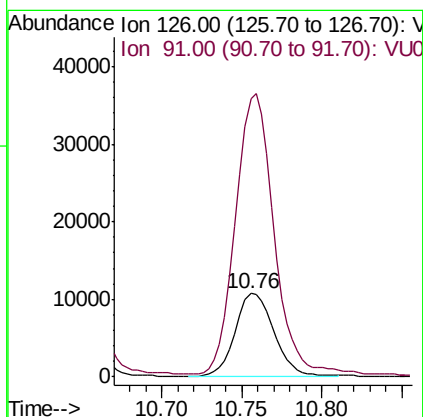
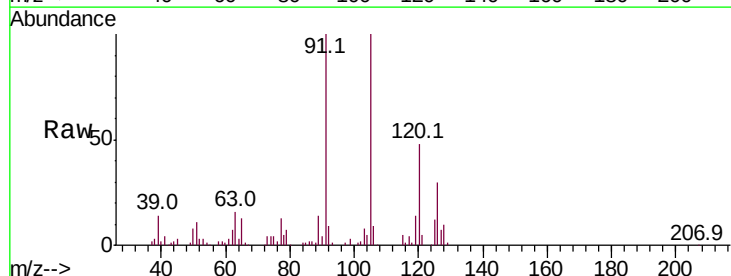
Acq: 24 Jul 2019 13:35

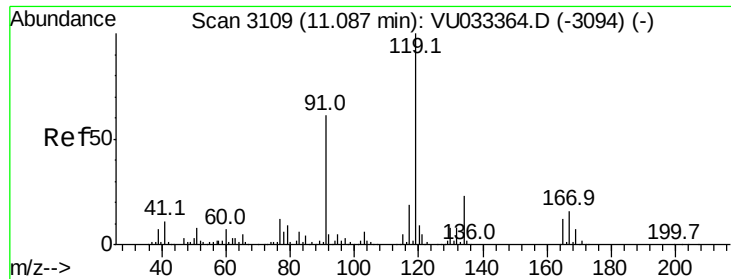
Tgt Ion:126 Resp: 17905

Ion Ratio Lower Upper

126 100

91 331.1 0.0 681.0





#77

tert-Butylbenzene

Concen: 1.999 ug/l

RT: 11.09 min Scan# 3109

Delta R.T. -0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

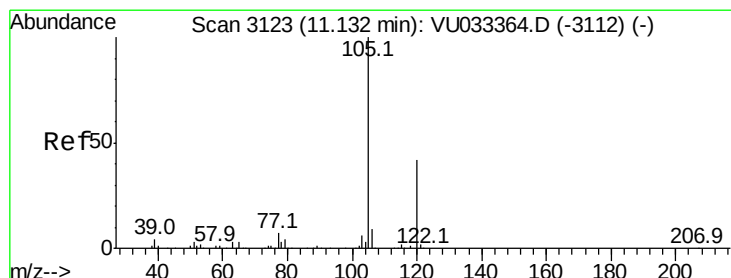
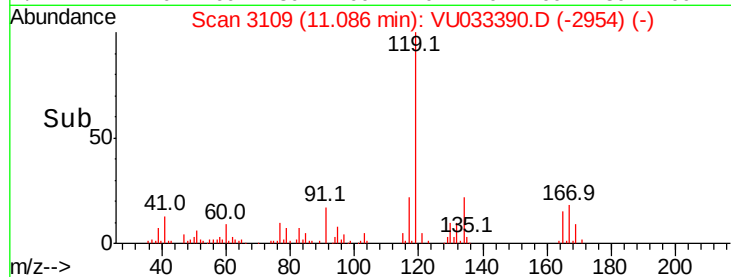
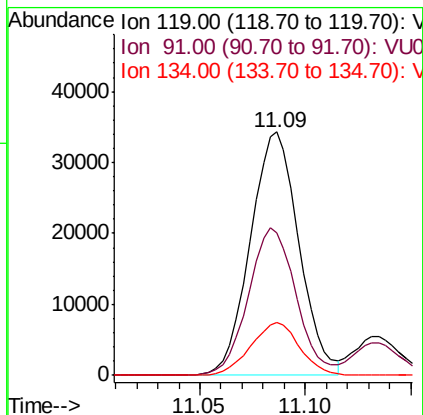
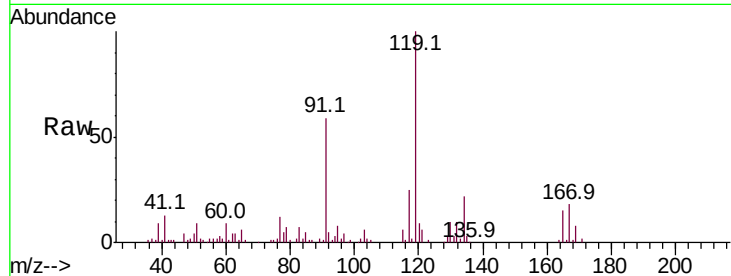
ClientSampleId :

VU0724WBSD01

Tot Ion:	119	Resp:	54963
Ion Ratio	Lower	Upper	
119	100		
91	59.2	30.4	91.3
134	22.1	18.5	27.7

Manual Integrations
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#78

1,2,4-Trimethylbenzene

Concen: 1.948 ug/l

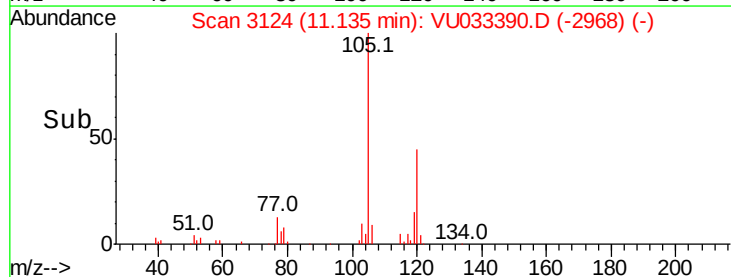
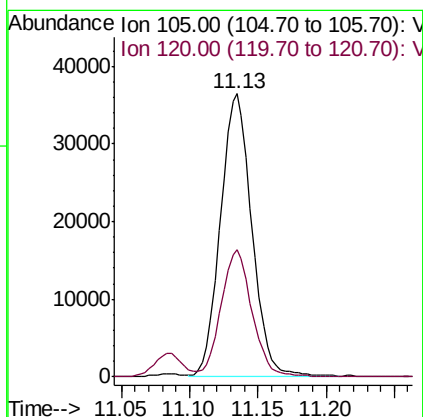
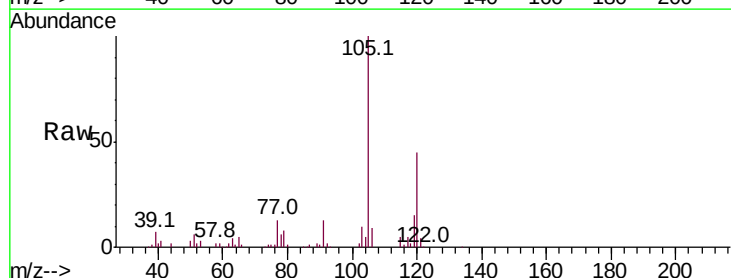
RT: 11.13 min Scan# 3124

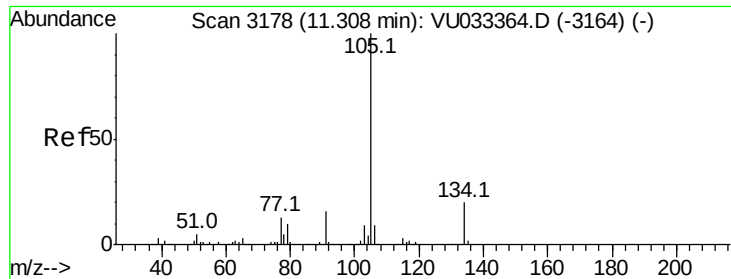
Delta R.T. 0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Tgt Ion:	105	Resp:	57778
Ion Ratio	Lower	Upper	
105	100		
120	44.7	22.5	67.5





#79

sec-Butylbenzene

Concen: 1.980 ug/l

RT: 11.31 min Scan# 3178

Delta R.T. -0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

ClientSampleId :

VU0724WBSD01

Tot Ion:105 Resp: 74922

Ion Ratio Lower Upper

105 100

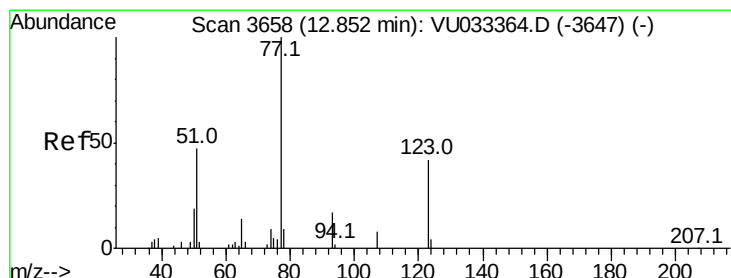
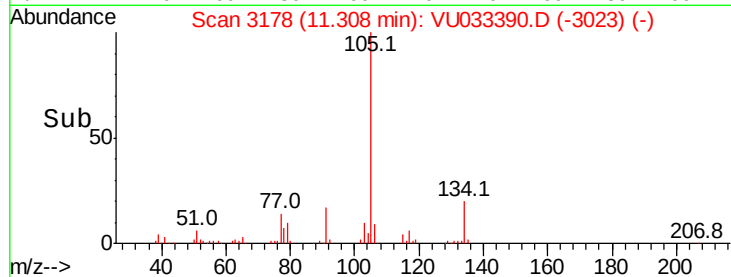
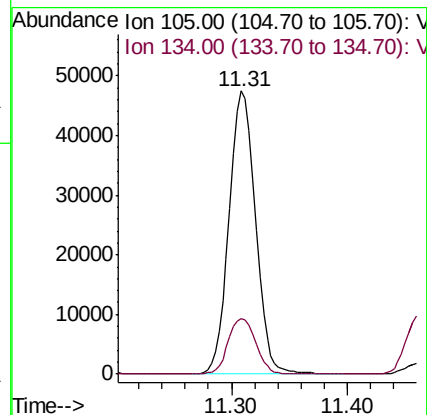
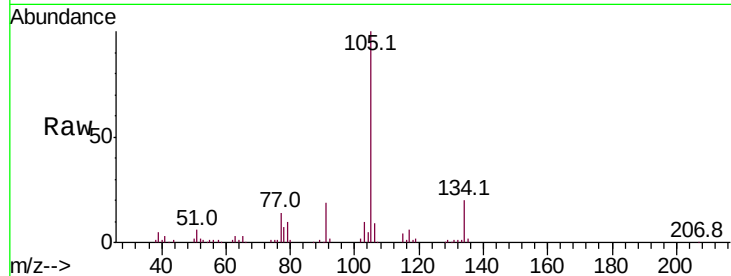
134 20.5 15.5 23.3

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#80

Nitrobenzene

Concen: 3.646 ug/l

RT: 12.86 min Scan# 3662

Delta R.T. 0.01 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

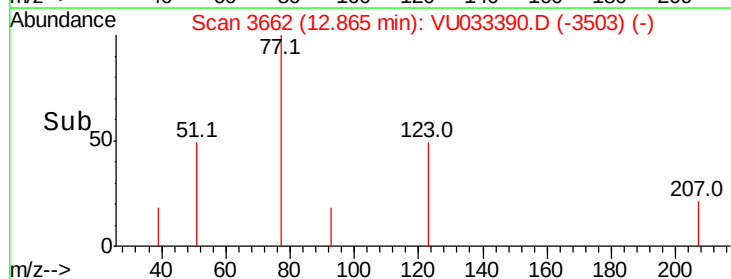
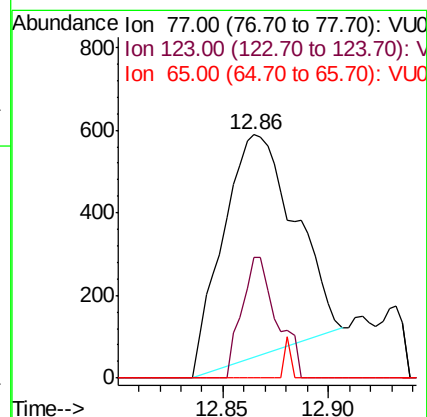
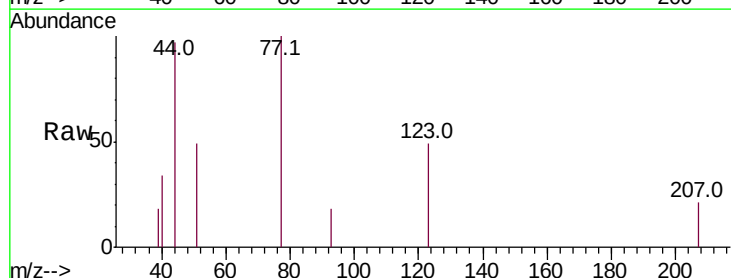
Tgt Ion: 77 Resp: 1279

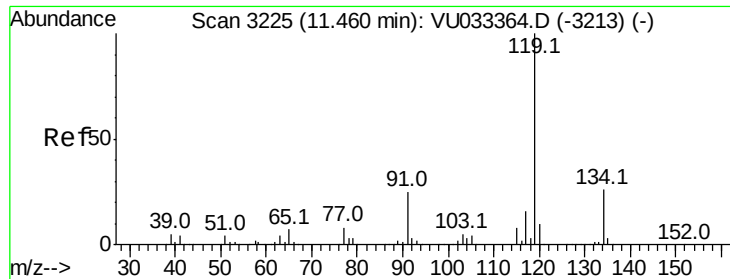
Ion Ratio Lower Upper

77 100

123 26.3 19.3 68.3

65 1.5 10.1 12.9#





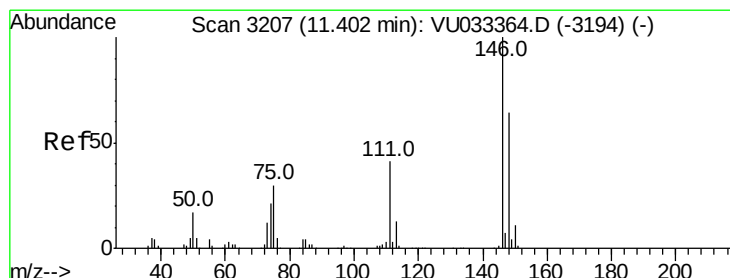
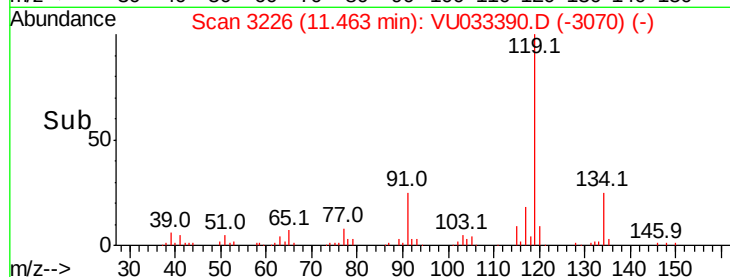
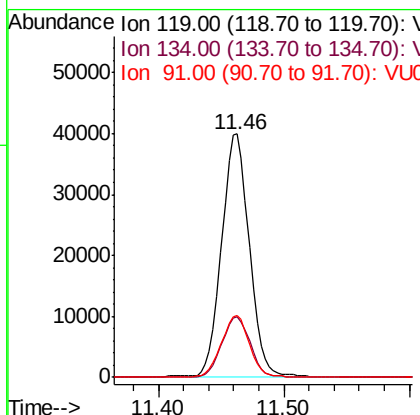
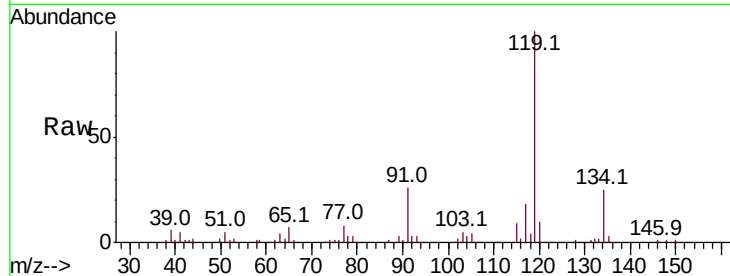
#81
 p-Isopropyltoluene
 Concen: 1.993 ug/l
 RT: 11.46 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VU033390.D
 Acq: 24 Jul 2019 13:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0724WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	21.0	31.4
91	25.9	19.8	29.6

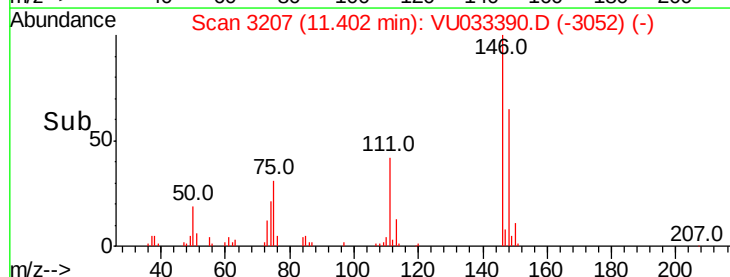
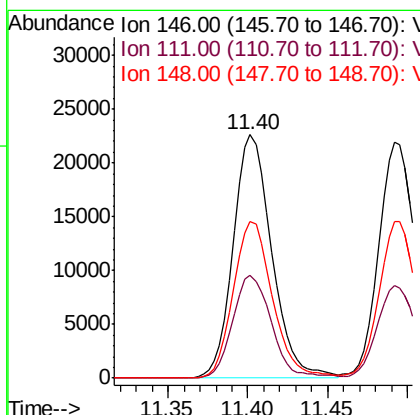
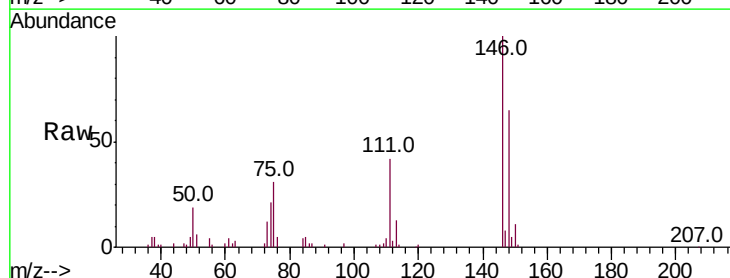
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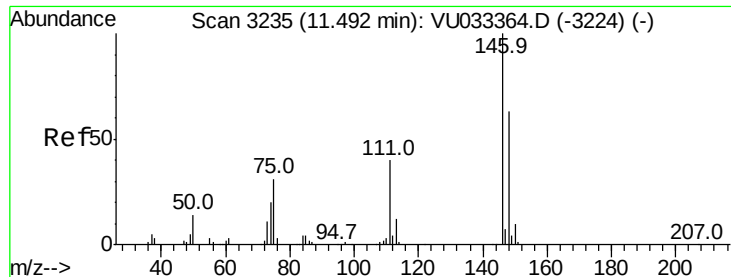
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#82
 1,3-Dichlorobenzene
 Concen: 2.045 ug/l
 RT: 11.40 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU033390.D
 Acq: 24 Jul 2019 13:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	33.3	49.9
148	65.5	50.8	76.2





#83

1,4-Dichlorobenzene

Concen: 1.941 ug/l

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

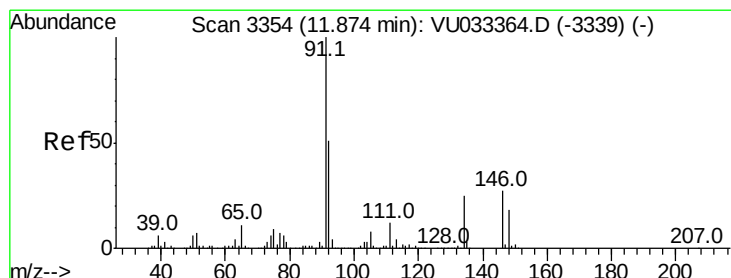
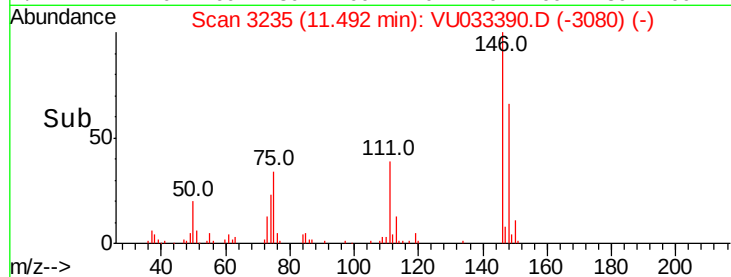
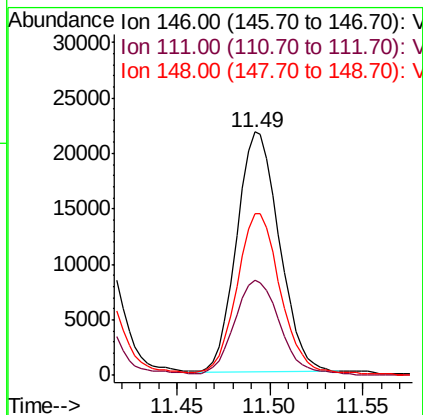
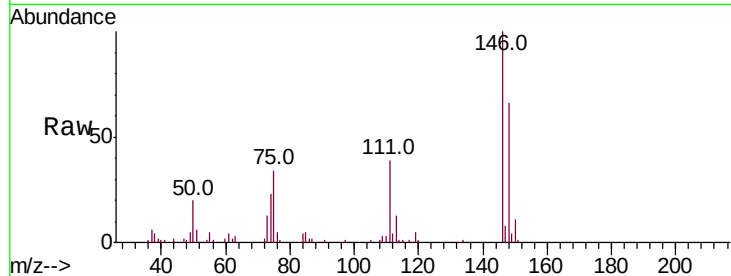
ClientSampleId :

VU0724WBSD01

Tot Ion:	146	Resp:	34834
Ion	Ratio	Lower	Upper
146	100		
111	42.4	32.2	48.4
148	70.3	51.0	76.4

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#84

n-Butylbenzene

Concen: 1.923 ug/l

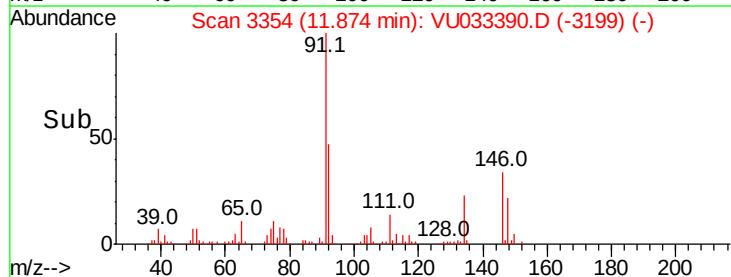
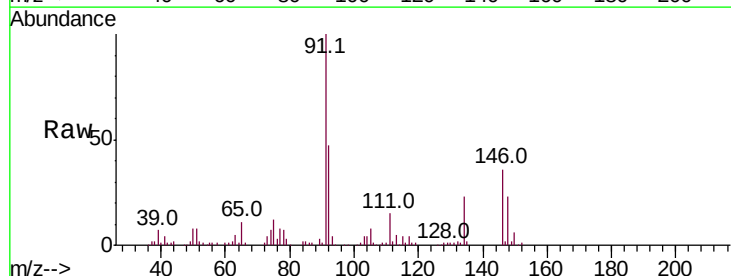
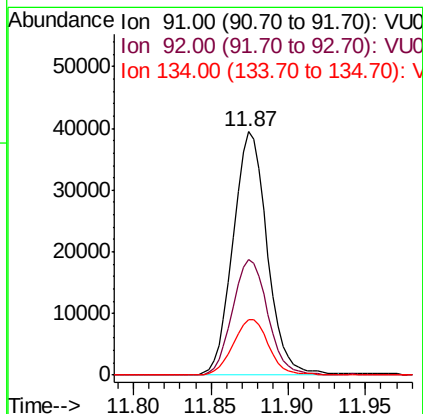
RT: 11.87 min Scan# 3354

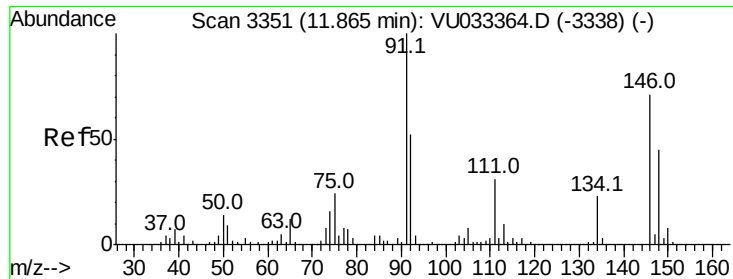
Delta R.T. -0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Tgt Ion:	91	Resp:	60541
Ion	Ratio	Lower	Upper
91	100		
92	49.0	41.0	61.6
134	23.8	19.5	29.3





#85

1,2-Dichlorobenzene

Concen: 1.991 ug/l

RT: 11.86 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

Instrument :

MSVOA_U

ClientSampleId :

VU0724WBSD01

Tot Ion:146 Resp: 33873

Ion Ratio Lower Upper

146 100

111 45.0 21.7 65.1

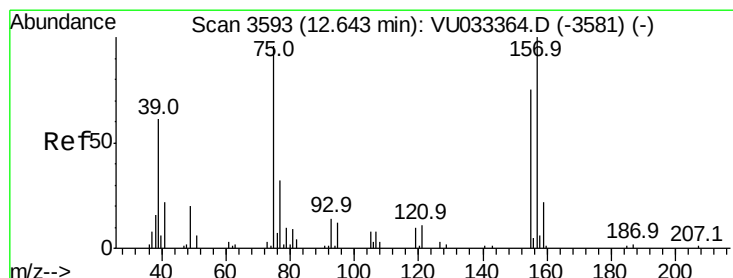
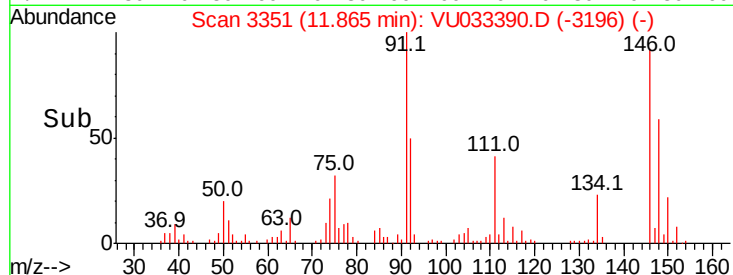
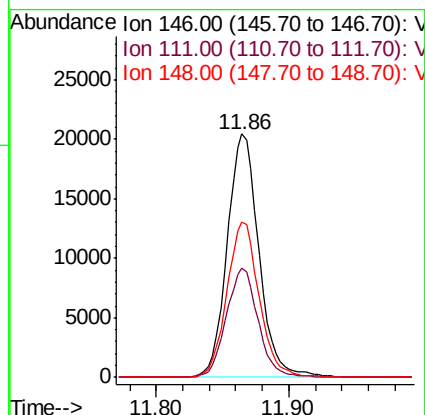
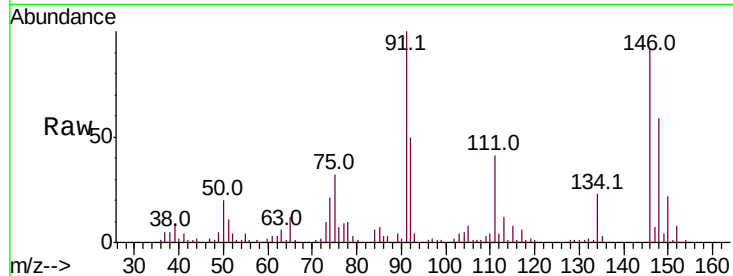
148 65.2 32.0 96.0

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#86

1,2-Dibromo-3-Chloropropane

Concen: 1.868 ug/l

RT: 12.64 min Scan# 3593

Delta R.T. -0.00 min

Lab File: VU033390.D

Acq: 24 Jul 2019 13:35

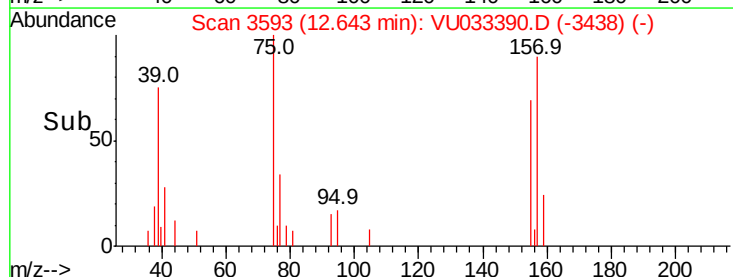
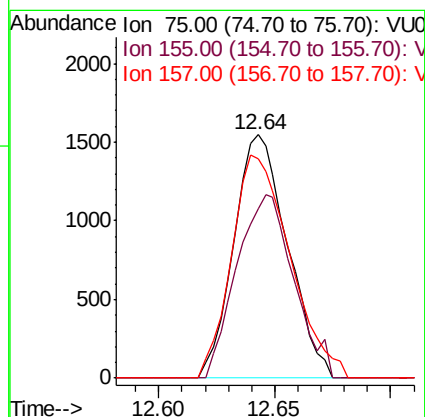
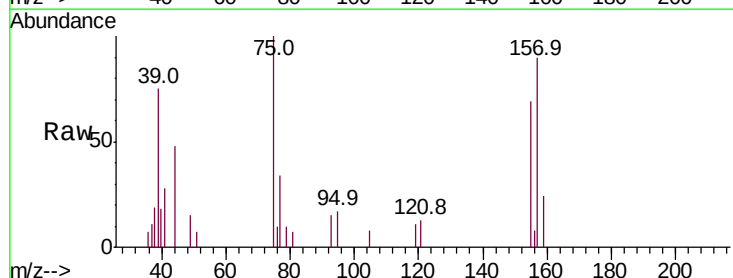
Tgt Ion: 75 Resp: 2480

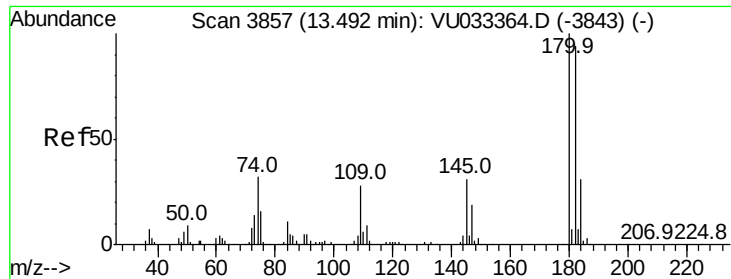
Ion Ratio Lower Upper

75 100

155 80.3 63.3 94.9

157 100.1 82.5 123.7





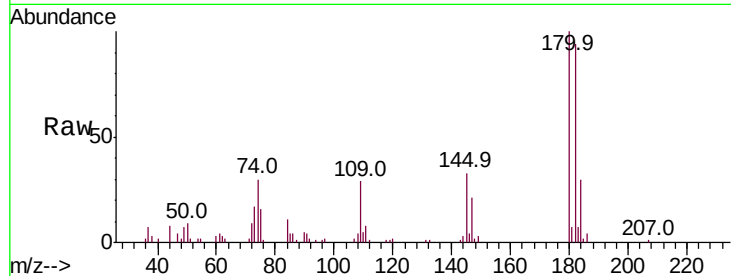
#87
 1,2,4-Trichlorobenzene
 Concen: 1.865 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.00 min
 Lab File: VU033390.D
 Acq: 24 Jul 2019 13:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0724WBSD01

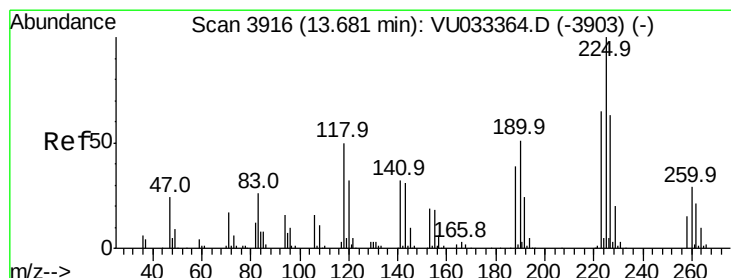
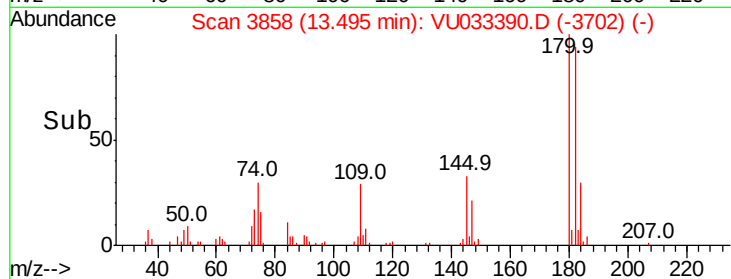
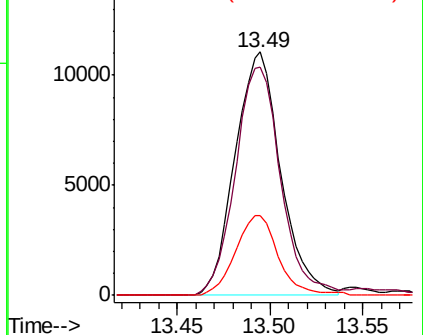
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.2	114.4
145	30.8	25.0	37.4

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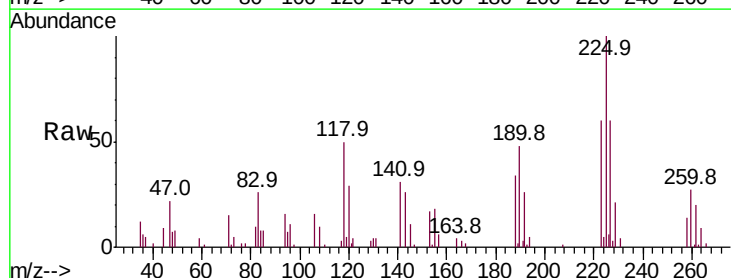


Abundance Ion 179.70 (179.40 to 180.40): V
 15000 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

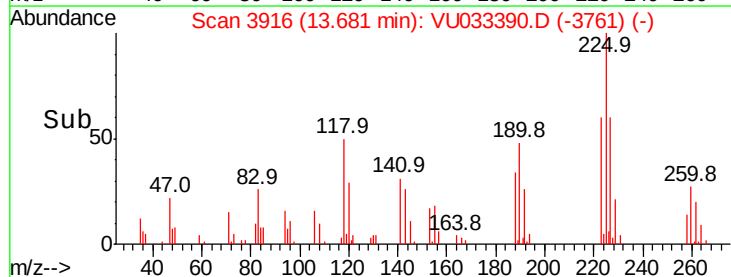
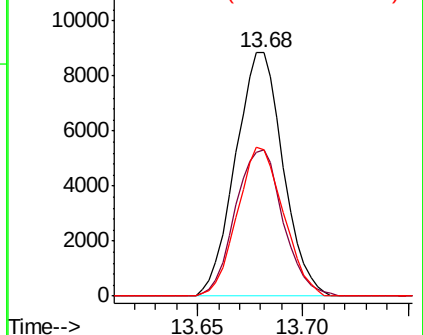


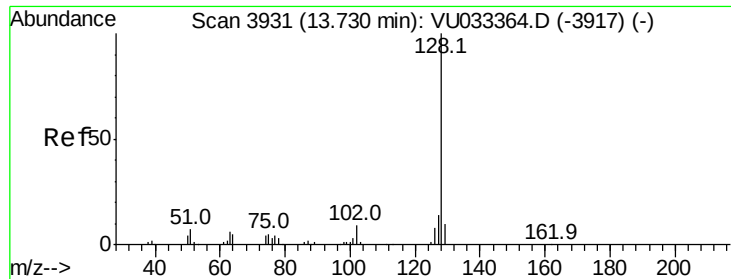
#88
 Hexachlorobutadiene
 Concen: 2.225 ug/l
 RT: 13.68 min Scan# 3916
 Delta R.T. -0.00 min
 Lab File: VU033390.D
 Acq: 24 Jul 2019 13:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	52.2	78.4
227	59.2	51.7	77.5



Abundance Ion 224.60 (224.30 to 225.30): V
 12000 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





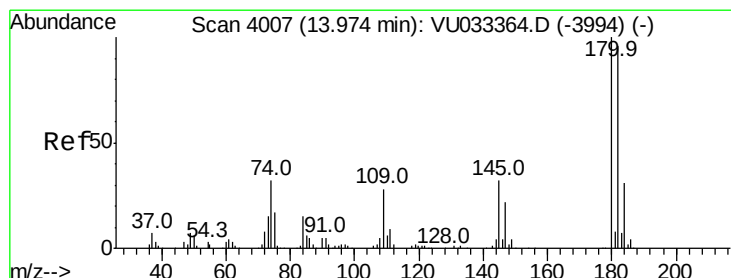
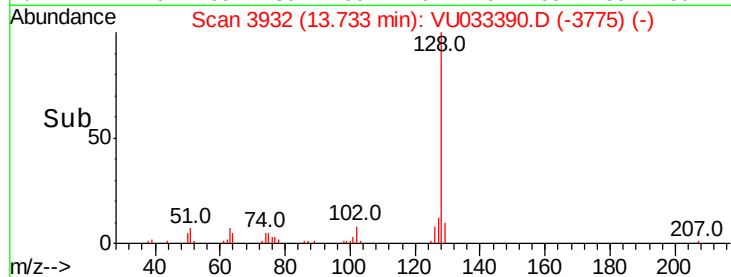
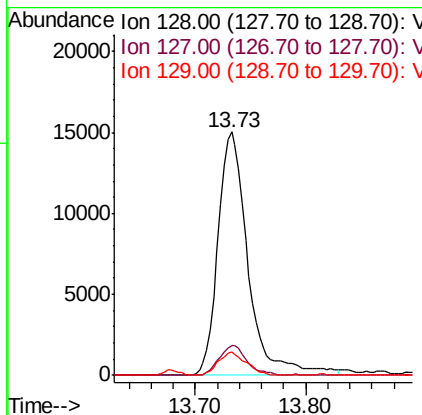
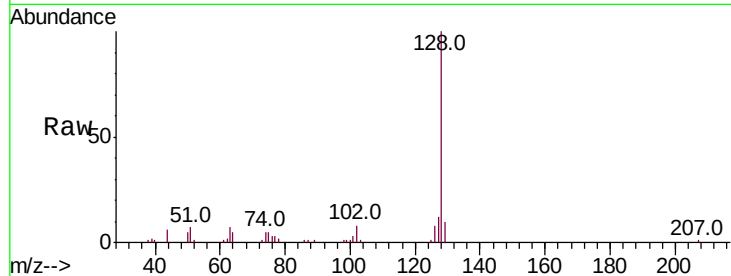
#89
Naphthalene
Concen: 1.814 ug/l
RT: 13.73 min Scan# 3932
Delta R.T. 0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Instrument :
MSVOA_U
ClientSampleId :
VU0724WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.8	16.2
129	8.8	8.5	12.7

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#90
1,2,3-Trichlorobenzene
Concen: 1.858 ug/l
RT: 13.98 min Scan# 4008
Delta R.T. 0.00 min
Lab File: VU033390.D
Acq: 24 Jul 2019 13:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.1	77.9	116.9
145	30.7	25.8	38.8

