

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071119\
 Data File : VU033196.D
 Acq On : 11 Jul 2019 17:20
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 4:03:08 PM

Quant Time: Jul 12 04:40:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U071119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 12 04:10:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	30708	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	11127	0.92	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.00%	
68) 1,2-Dichlorobenzene-d4	11.84	152	11898	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	11784	0.923	ug/l	94
3) Chloromethane	1.32	50	14212	0.977	ug/l	96
4) Vinyl Chloride	1.40	62	14130	0.915	ug/l	92
5) Bromomethane	1.62	94	9960	1.158	ug/l	95
6) Chloroethane	1.69	64	8675	0.895	ug/l	97
7) Trichlorofluoromethane	1.88	101	19200	0.918	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	9796	0.927	ug/l	99
9) 1,1-Dichloroethene	2.27	96	10281	0.959	ug/l	97
10) Iodomethane	2.40	142	9156	0.640	ug/l	99
11) Allyl Chloride	2.58	41	17354	0.940	ug/l	96
12) Acrylonitrile	2.92	53	5897	1.975	ug/l	97
13) Acetone	2.31	43	12946	4.901	ug/l	100
14) Carbon Disulfide	2.46	76	36817	0.928	ug/l	100
15) Methylene Chloride	2.68	84	14009	1.014	ug/l	98
16) trans-1,2-Dichloroethene	2.96	96	11836	0.960	ug/l	99
17) 1,1-Dichloroethane	3.42	63	16268	0.897	ug/l	98
18) 2-Butanone	4.26	43	11697	4.941	ug/l	95
19) Cyclohexane	4.97	56	11647m	0.851	ug/l	
20) Methylcyclohexane	6.39	83	11861	0.874	ug/l	95
21) 2,2-Dichloropropane	4.20	77	14019	0.886	ug/l	98
22) cis-1,2-Dichloroethene	4.20	96	9451	0.940	ug/l	95
23) Diethyl Ether	2.09	59	8855	0.979	ug/l	97
24) tert-Butyl Alcohol	2.82	59	10711	9.299	ug/l	97
25) Methyl tert-Butyl Ether	2.98	73	29245	0.958	ug/l	97
26) Bromochloromethane	4.52	128	4417	0.986	ug/l	98
27) Chloroform	4.65	83	18884	0.933	ug/l	98
28) 1,1,1-Trichloroethane	4.89	97	14245	0.898	ug/l	99
29) 1,1-Dichloropropene	5.11	75	11600	0.884	ug/l	99
30) Carbon Tetrachloride	5.11	117	12513	0.882	ug/l	92
31) Isopropyl Ether	3.56	45	21799	0.910	ug/l	95
32) Ethyl-t-butyl ether	4.05	59	20714	0.907	ug/l	99
33) Tert-Amyl methyl ether	5.56	73	18262	0.887	ug/l	98
34) Propionitrile	4.32	54	3260	4.757	ug/l #	90
35) Benzene	5.36	78	34088	0.893	ug/l	96
36) 1,2-Dichloroethane	5.38	62	11440	0.928	ug/l	97
37) Trichloroethene	6.17	130	9197	0.934	ug/l	96
38) 1,2-Dichloropropane	6.41	63	9292	0.884	ug/l	92
39) Methacrylonitrile	4.53	41	2979	1.048	ug/l #	85
40) Methyl acrylate	4.42	55	3981	0.928	ug/l #	75
41) Tetrahydrofuran	4.64	42	3135	2.162	ug/l #	84
42) 1-Chlorobutane	5.04	56	15903	0.892	ug/l	98

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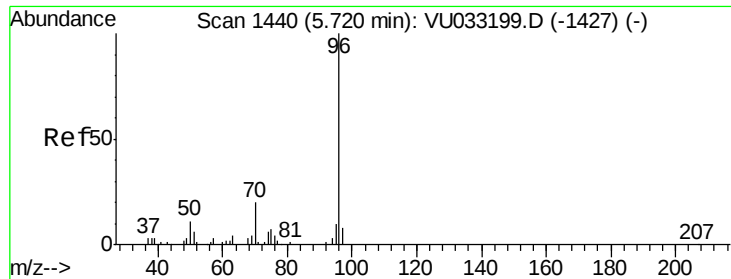
Manual Integrations
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	4957	0.899	ug/l	93
44) Bromodichloromethane	6.74	83	12528	0.913	ug/l	91
45) 4-Methyl-2-Pentanone	7.45	43	25520	4.362	ug/l	99
46) t-1,4-Dichloro-2-butene	10.50	75	4195m	1.588	ug/l	
47) Methyl methacrylate	6.61	69	6764	1.581	ug/l #	87
48) Ethyl methacrylate	8.01	69	7011	0.885	ug/l	96
49) Toluene	7.62	92	19263	0.857	ug/l	99
50) t-1,3-Dichloropropene	7.86	75	10255	0.866	ug/l	92
51) cis-1,3-Dichloropropene	7.25	75	12239	0.879	ug/l	98
52) 1,1,2-Trichloroethane	8.05	97	6971	0.917	ug/l	97
53) 1,3-Dichloropropane	8.22	76	11922	0.933	ug/l	96
54) 2-Hexanone	8.35	43	18027	4.525	ug/l	95
55) Dibromochloromethane	8.46	129	7876	0.887	ug/l	93
56) 1,2-Dibromoethane	8.57	107	6454	0.928	ug/l	95
58) Tetrachloroethene	8.21	164	8251	0.914	ug/l	97
59) Chlorobenzene	9.10	112	21606	0.863	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.19	131	7904	0.825	ug/l	96
61) Pentachloroethane	11.09	117	6533	0.839	ug/l	95
62) Hexachloroethane	12.13	117	6352	0.850	ug/l	93
63) Ethyl Benzene	9.23	91	32994	0.800	ug/l	100
64) m/p-Xylenes	9.36	106	24683	1.536	ug/l	96
65) o-Xylene	9.76	106	12769	0.828	ug/l	96
66) Styrene	9.77	104	20680	0.796	ug/l	97
67) Bromoform	9.94	173	4232	0.871	ug/l	98
69) Isopropylbenzene	10.15	105	33340	0.827	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.44	83	9307	0.925	ug/l	94
71) 1,2,3-Trichloropropane	10.48	75	6980m	0.964	ug/l	
72) Bromobenzene	10.44	156	9417	0.916	ug/l	98
73) n-propylbenzene	10.57	120	9294	0.830	ug/l	99
74) 2-Chlorotoluene	10.65	126	8625	0.842	ug/l	100
75) 1,3,5-Trimethylbenzene	10.76	105	26811	0.751	ug/l	99
76) 4-Chlorotoluene	10.76	126	8603	0.801	ug/l	100
77) tert-Butylbenzene	11.08	119	27437	0.806	ug/l	98
78) 1,2,4-Trimethylbenzene	11.13	105	27264	0.754	ug/l	99
79) sec-Butylbenzene	11.31	105	37352	0.803	ug/l	99
80) Nitrobenzene	12.86	77	1042m	4.188	ug/l	
81) p-Isopropyltoluene	11.46	119	28915	0.772	ug/l	98
82) 1,3-Dichlorobenzene	11.40	146	18699	0.865	ug/l	99
83) 1,4-Dichlorobenzene	11.49	146	18891	0.887	ug/l	97
84) n-Butylbenzene	11.87	91	29401	0.804	ug/l	96
85) 1,2-Dichlorobenzene	11.86	146	18615	0.930	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.65	75	1345	0.866	ug/l	96
87) 1,2,4-Trichlorobenzene	13.49	180	10773	0.978	ug/l	98
88) Hexachlorobutadiene	13.68	225	6326	0.885	ug/l	98
89) Naphthalene	13.73	128	18062	0.976	ug/l	98
90) 1,2,3-Trichlorobenzene	13.97	180	9784	0.913	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1440

Delta R.T. 0.00 min

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VSTDIC001

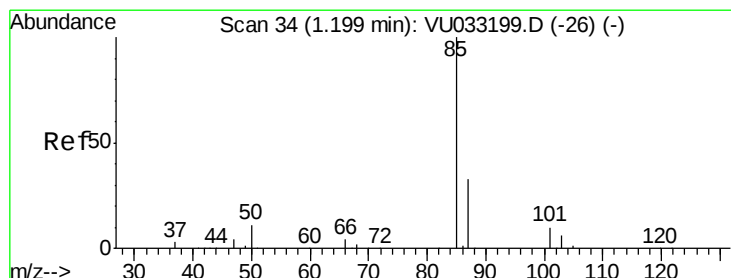
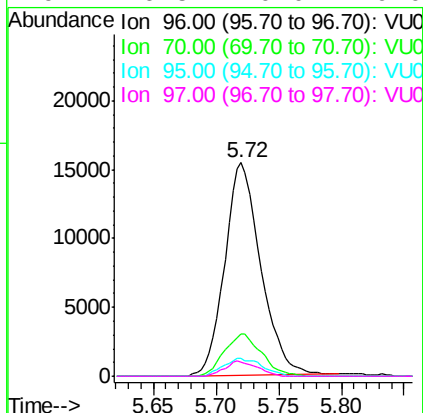
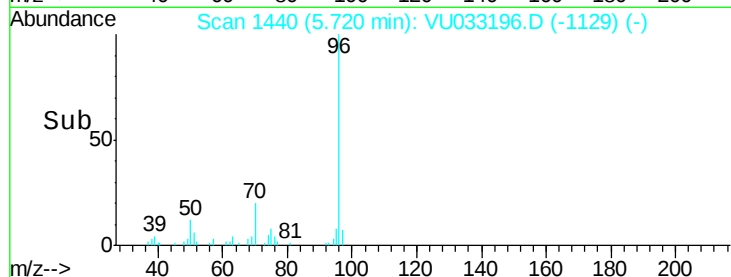
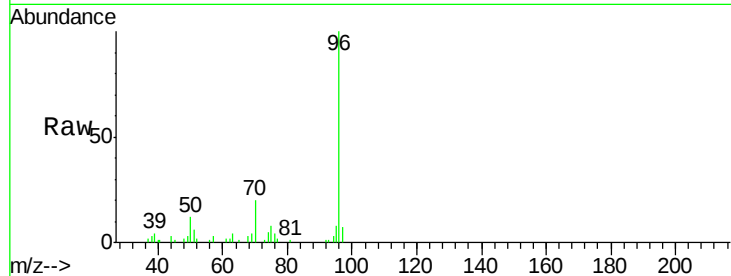
Tot Ion: 96 Resp: 30708

Ion	Ratio	Lower	Upper
96	100		
70	20.5	16.2	24.4
95	8.9	7.8	11.8
97	6.5	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 0.923 ug/l

RT: 1.20 min Scan# 34

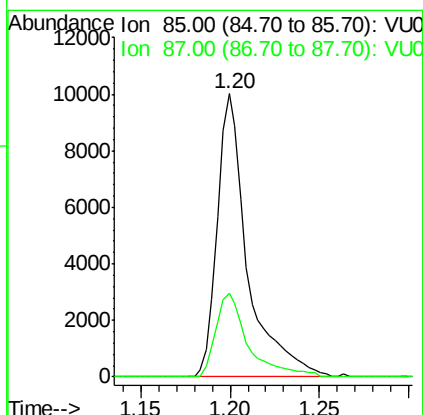
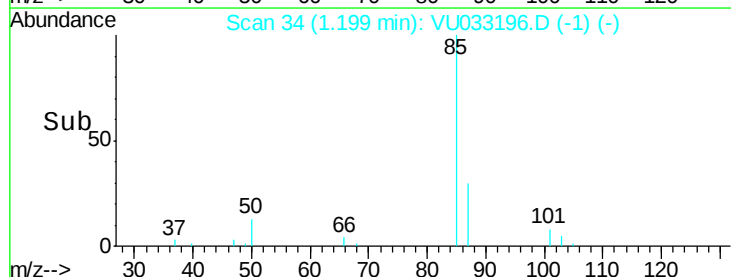
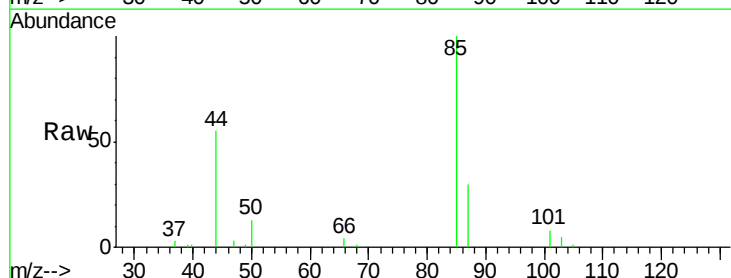
Delta R.T. 0.00 min

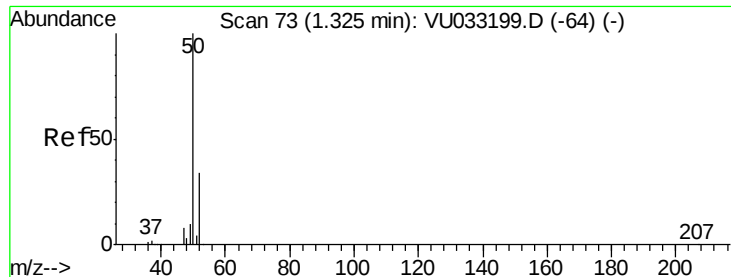
Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Tgt Ion: 85 Resp: 11784

Ion	Ratio	Lower	Upper
85	100		
87	29.6	16.4	49.1





#3

Chloromethane

Concen: 0.977 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 14212

Ion Ratio Lower Upper

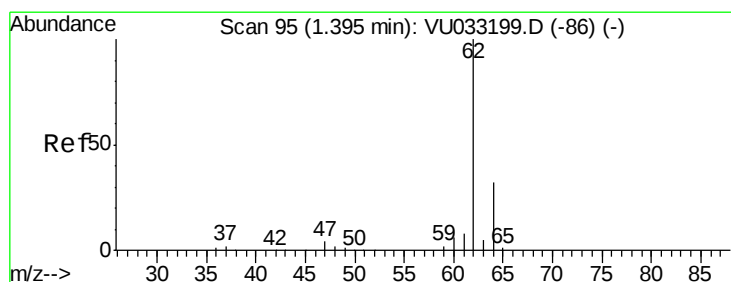
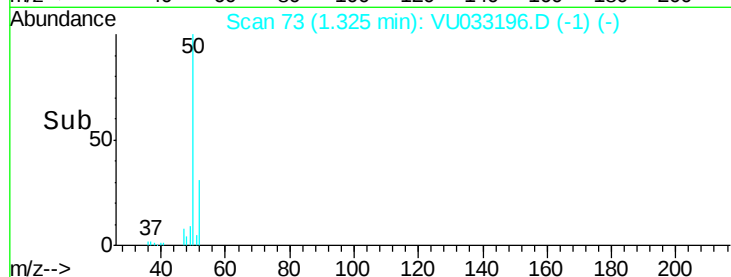
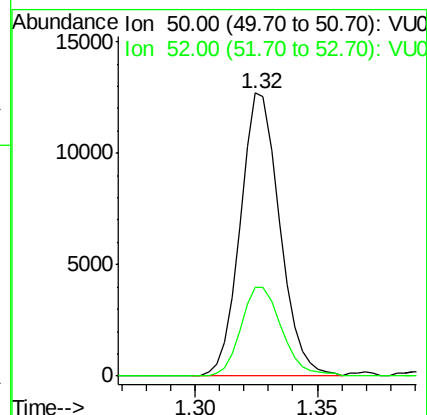
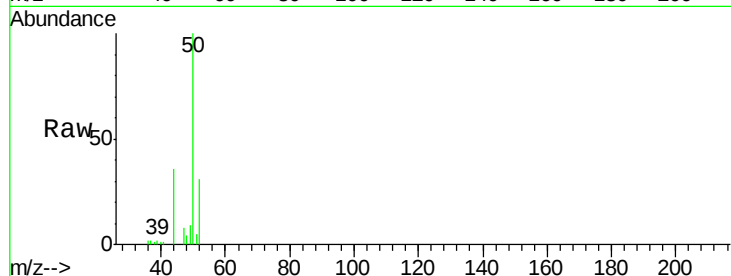
50 100

52 31.2 27.0 40.4

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#4

Vinyl Chloride

Concen: 0.915 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033196.D

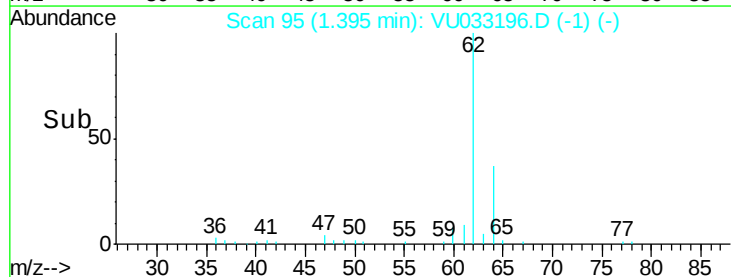
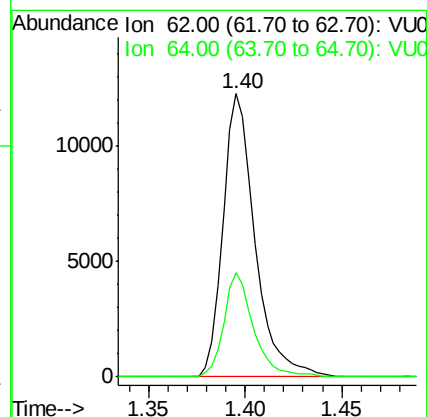
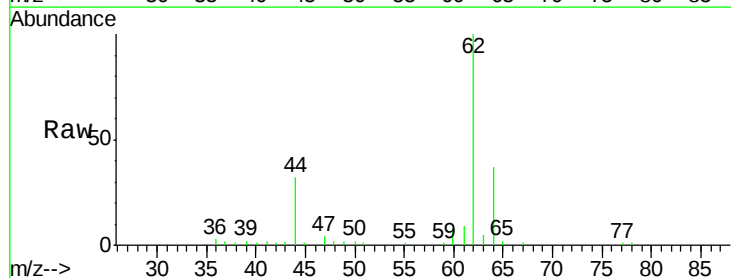
Acq: 11 Jul 2019 17:20

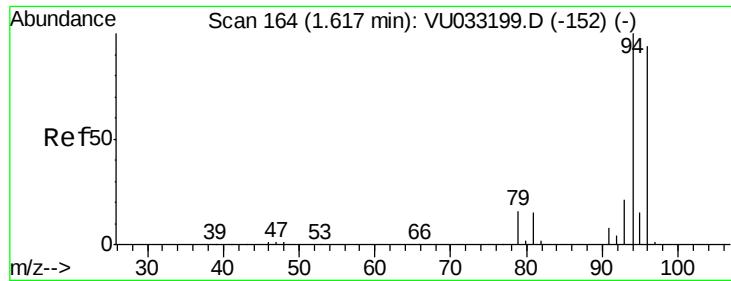
Tgt Ion: 62 Resp: 14130

Ion Ratio Lower Upper

62 100

64 36.8 25.7 38.5





#5

Bromomethane

Concen: 1.158 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 9960

Ion Ratio Lower Upper

94 100

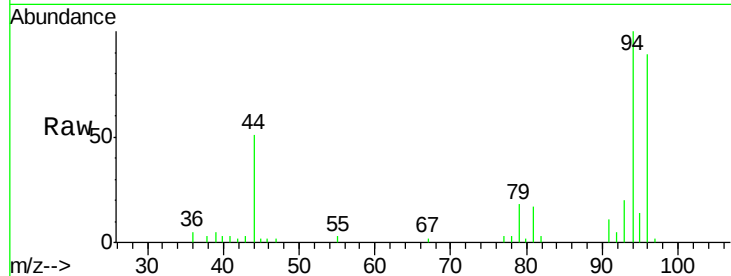
96 88.7 74.8 112.2

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VU033196.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU033196.D (-152) (-)

1.62

8000

6000

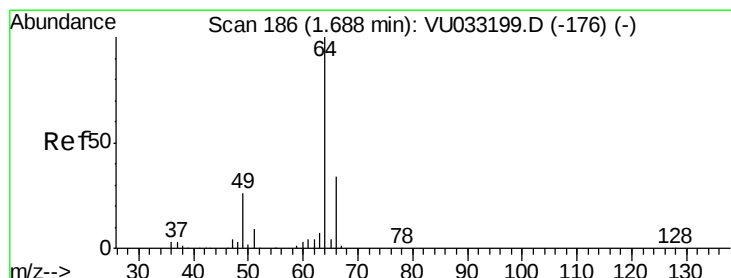
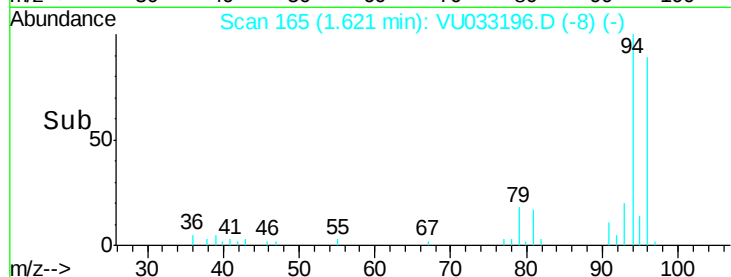
4000

2000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 0.895 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033196.D

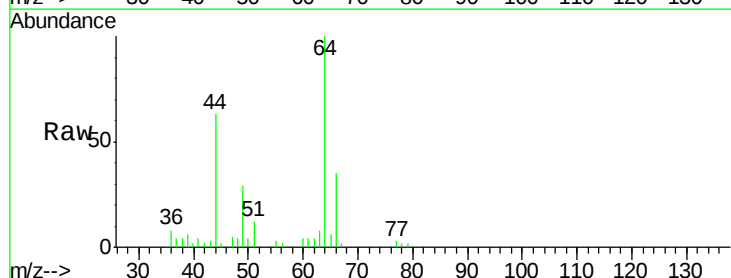
Acq: 11 Jul 2019 17:20

Tgt Ion: 64 Resp: 8675

Ion Ratio Lower Upper

64 100

66 35.3 27.0 40.4



Abundance Ion 64.00 (63.70 to 64.70): VU033196.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU033196.D (-176) (-)

1.69

6000

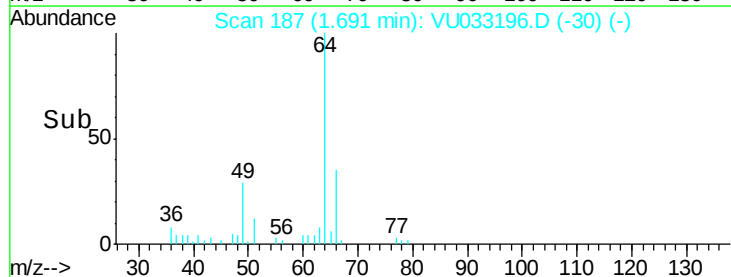
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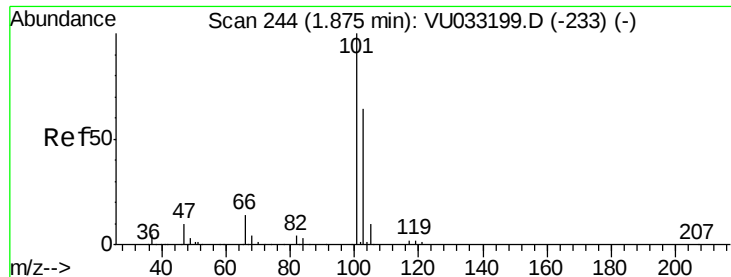
2000

0

1.65 1.70 1.75

Time-->





#7

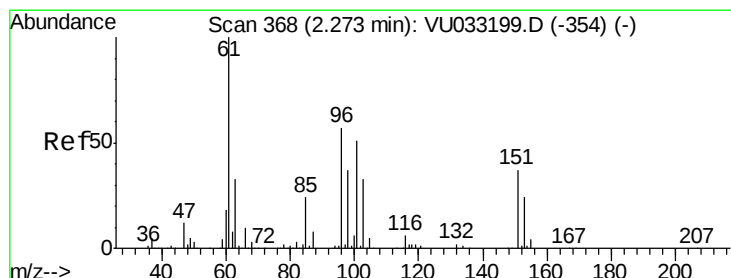
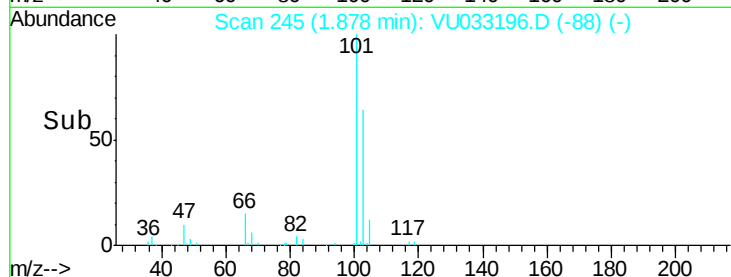
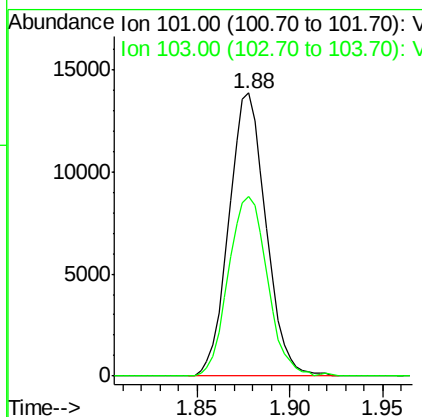
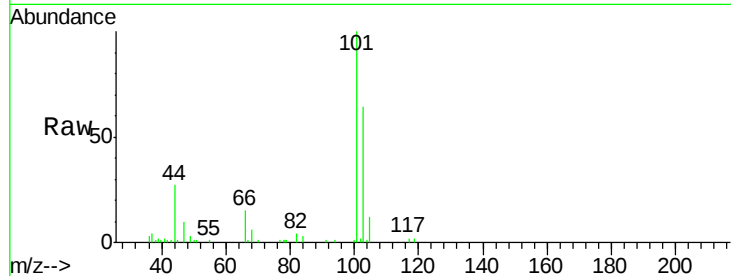
Trichlorofluoromethane
Concen: 0.918 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.0	76.6

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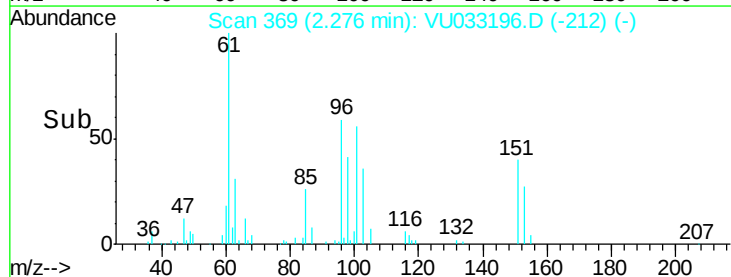
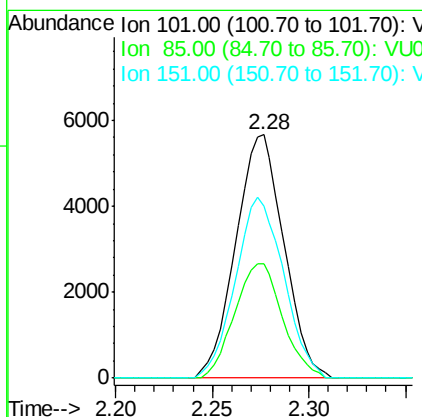
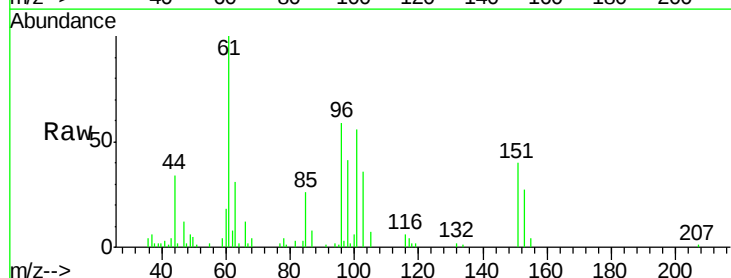
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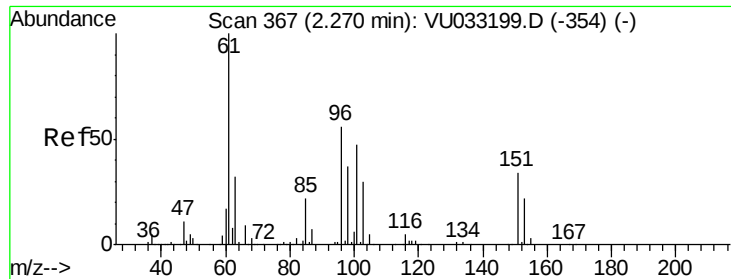


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.927 ug/l
RT: 2.28 min Scan# 369
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.8	37.7	56.5
151	74.4	58.2	87.2





#9

1,1-Dichloroethene

Concen: 0.959 ug/l

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

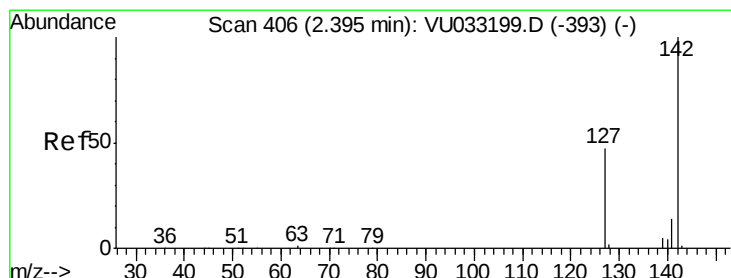
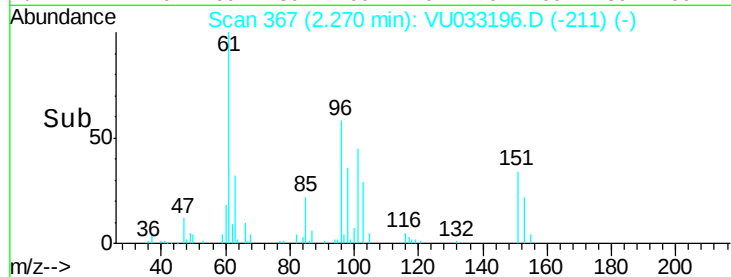
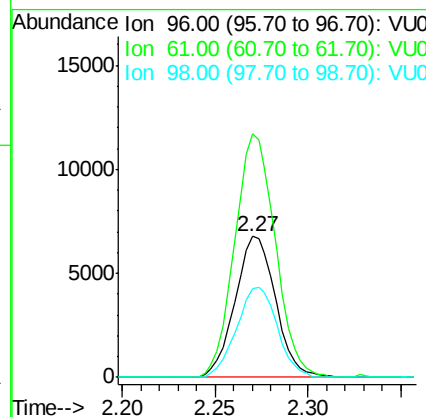
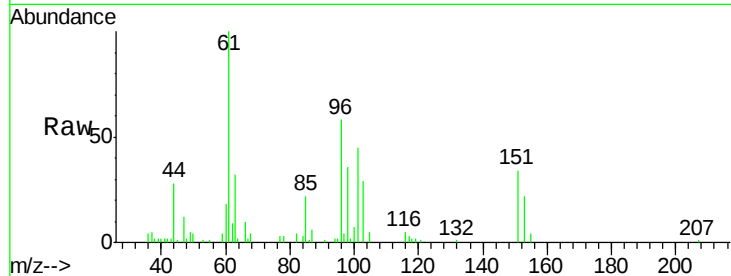
VSTDIC001

Tot Ion:	96	Resp:	10281
Ion	Ratio	Lower	Upper
96	100		
61	172.9	0.0	533.7
98	62.8	0.0	129.8

Manual Integrations
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#10

Iodomethane

Concen: 0.640 ug/l

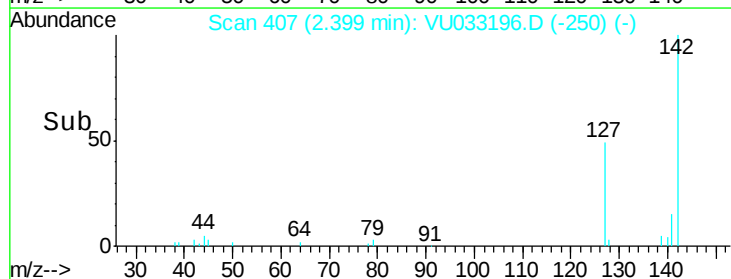
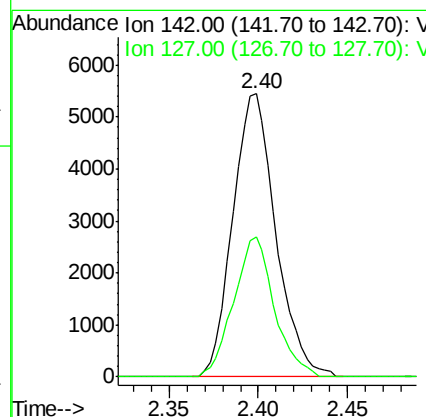
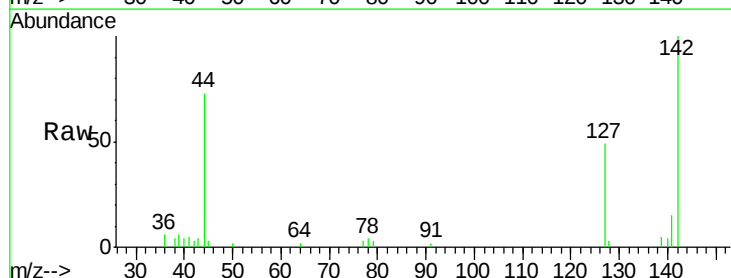
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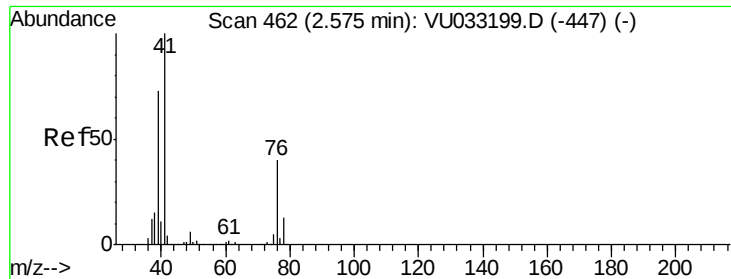
Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Tgt Ion:	142	Resp:	9156
Ion	Ratio	Lower	Upper
142	100		
127	46.6	37.0	55.4





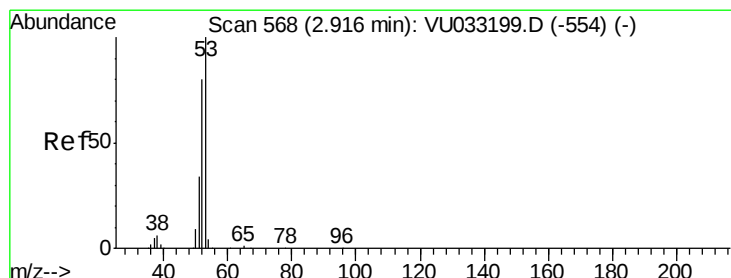
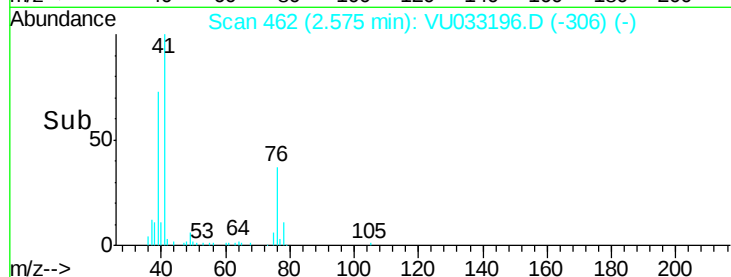
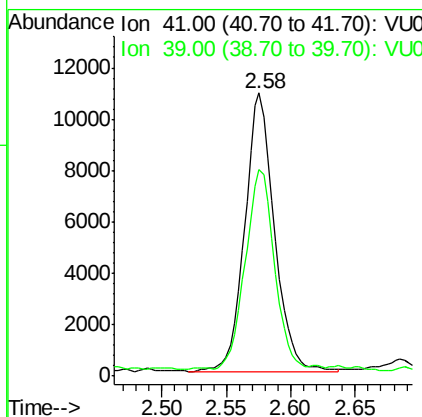
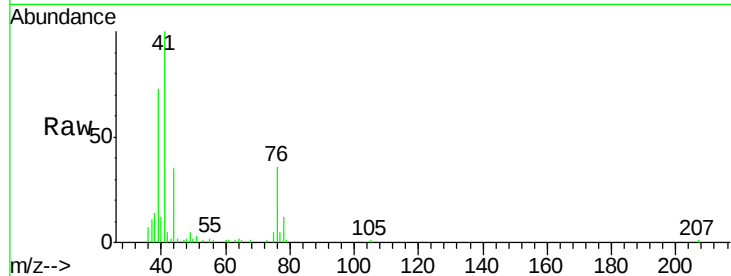
#11
Allvl Chloride
Concen: 0.940 ug/l
RT: 2.58 min Scan# 462
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.2	58.7	88.1

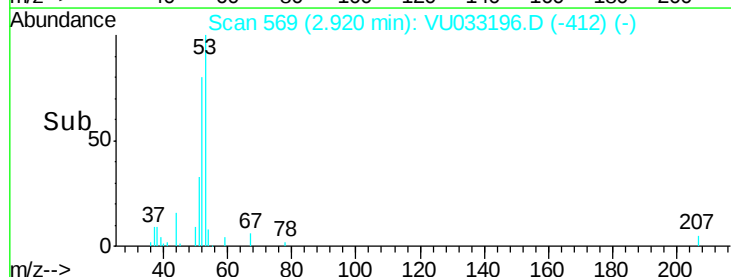
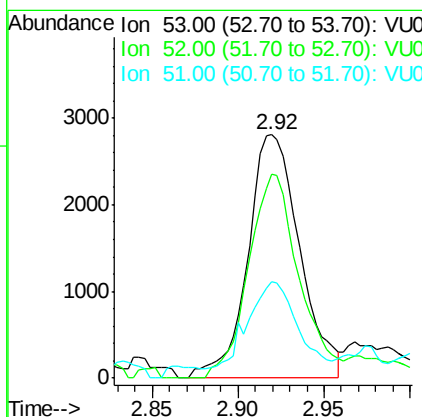
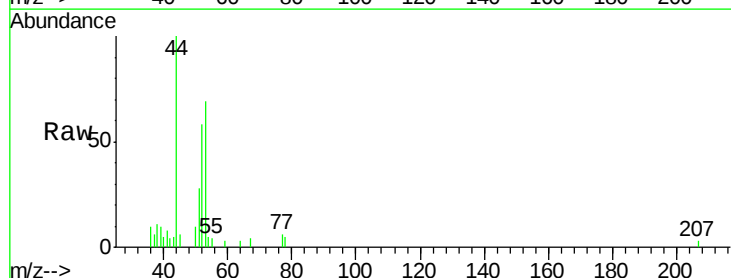
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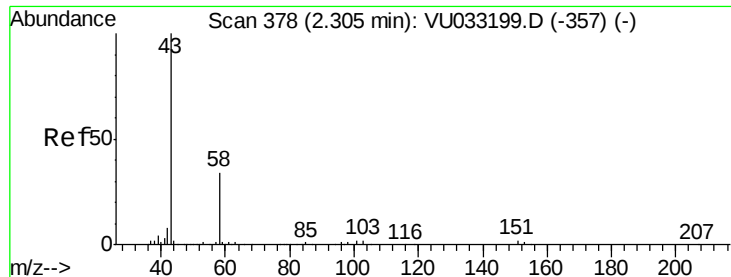
MMDadoda
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#12
Acrylonitrile
Concen: 1.975 ug/l
RT: 2.92 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.7	68.3	102.5
51	36.3	28.7	43.1





#13

Acetone

Concen: 4.901 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 12946

Ion Ratio Lower Upper

43 100

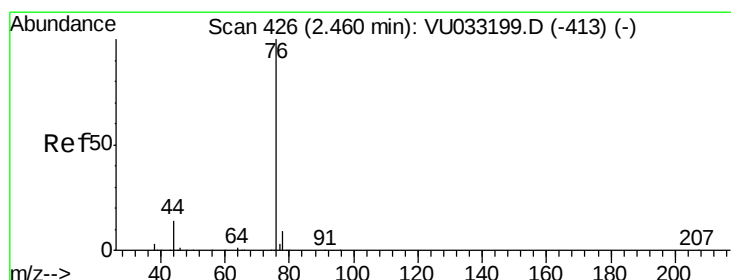
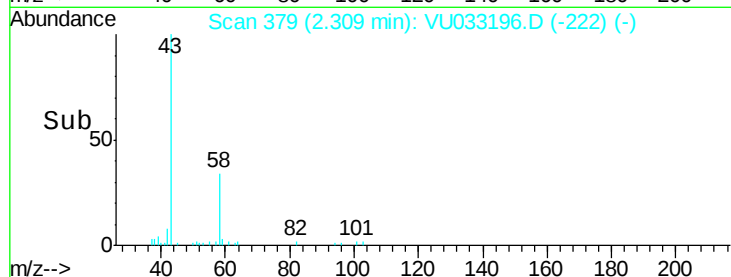
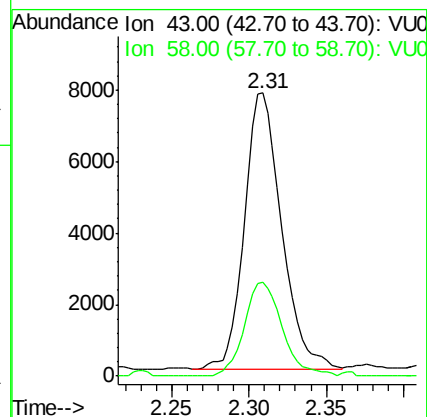
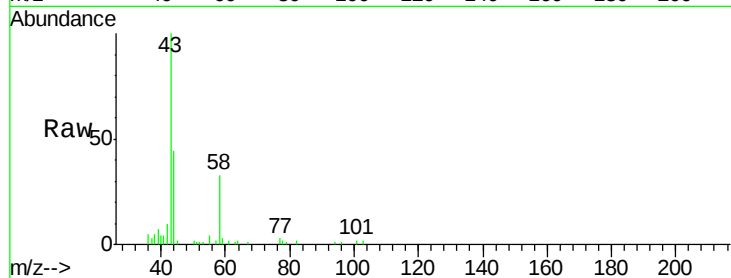
58 33.9 27.1 40.7

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#14

Carbon Disulfide

Concen: 0.928 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033196.D

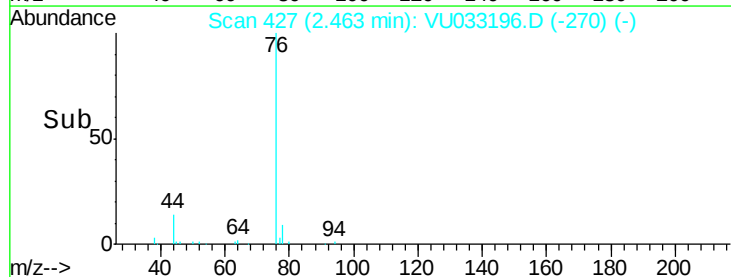
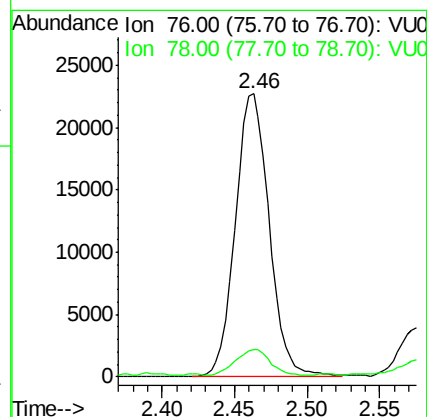
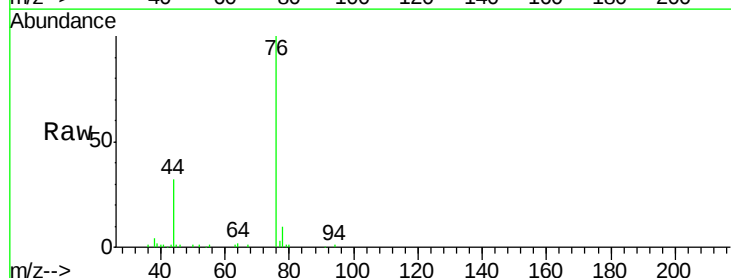
Acq: 11 Jul 2019 17:20

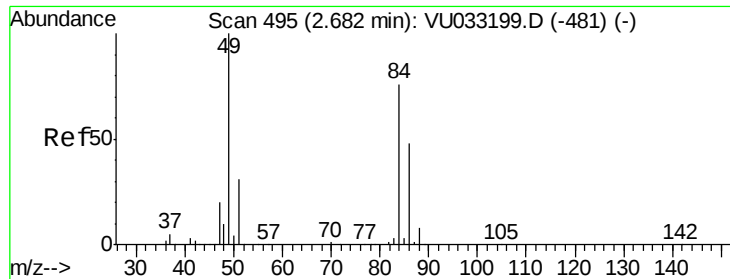
Tgt Ion: 76 Resp: 36817

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0





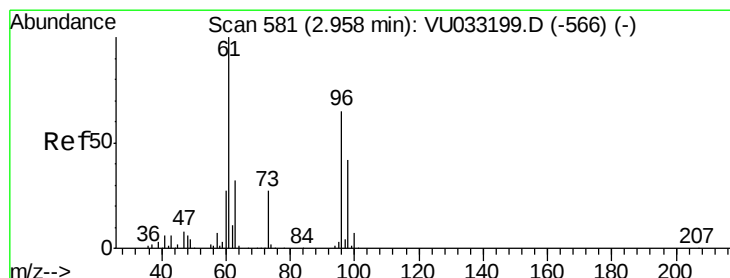
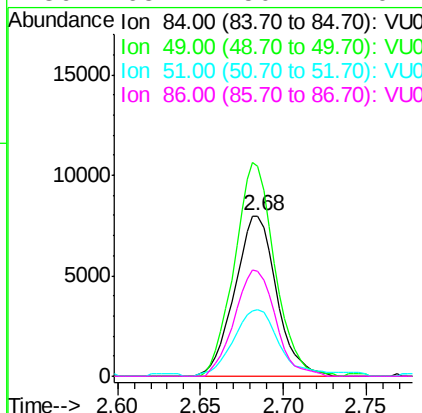
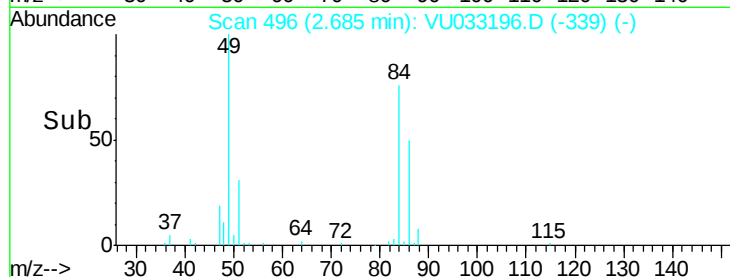
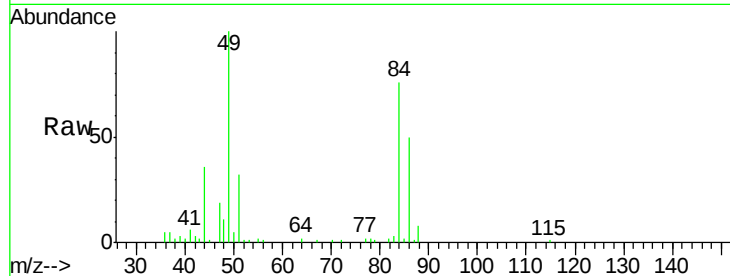
#15
Methvlene Chloride
Concen: 1.014 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
84	100		
49	130.8	105.8	158.8
51	41.7	0.0	82.0
86	65.7	50.7	76.1

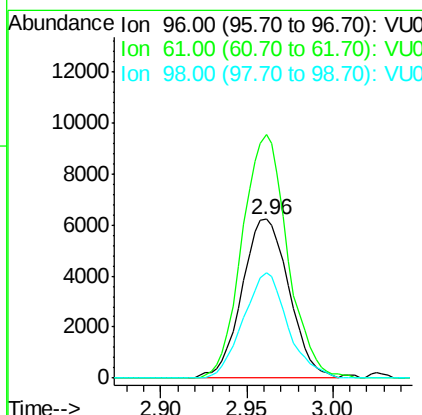
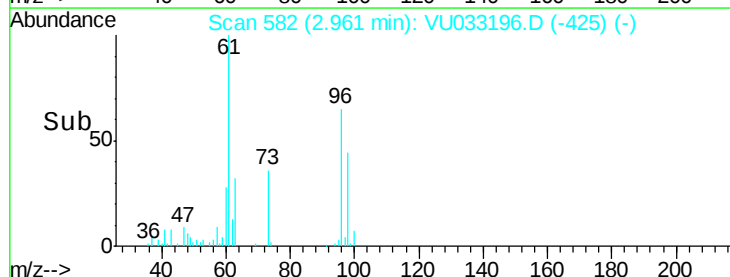
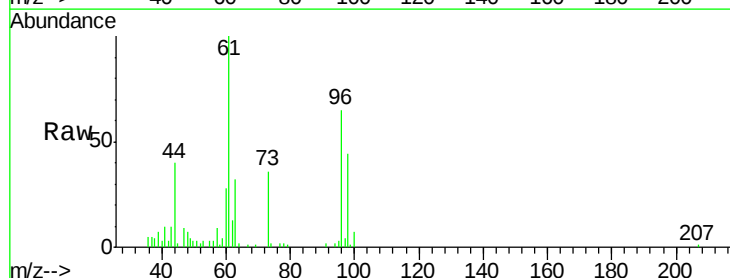
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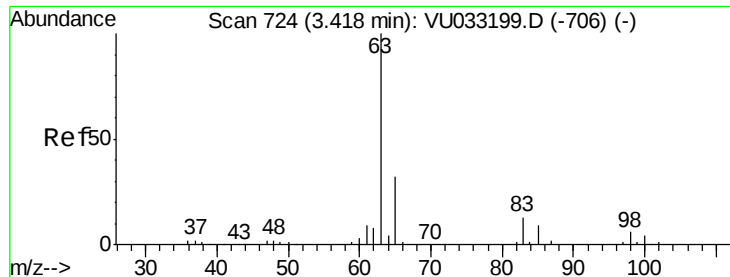
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#16
trans-1,2-Dichloroethene
Concen: 0.960 ug/l
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.1	122.6	184.0
98	66.7	52.0	78.0





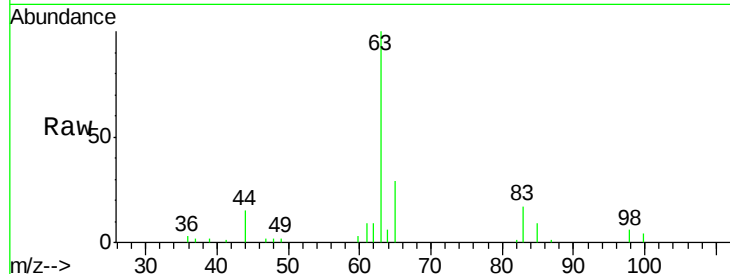
#17
 1,1-Dichloroethane
 Concen: 0.897 ug/l
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033196.D
 Acq: 11 Jul 2019 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

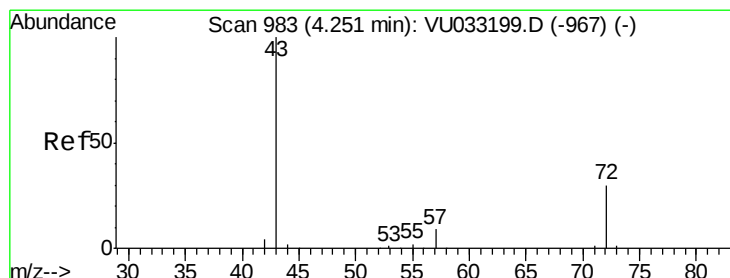
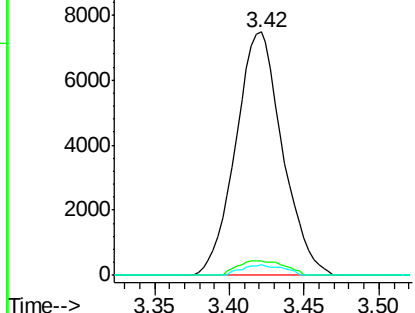
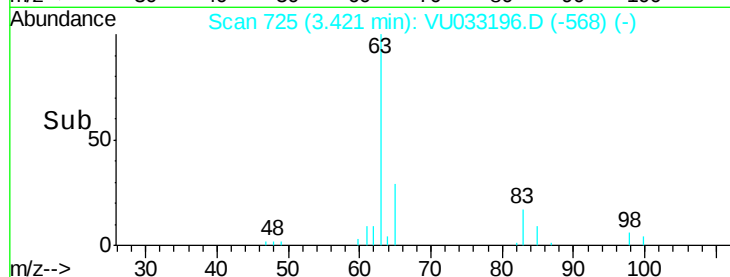
Tot Ion:	63	Resp:	16268
Ion Ratio	Lower	Upper	
63	100		
98	5.9	3.3	9.8
100	4.1	1.8	5.4

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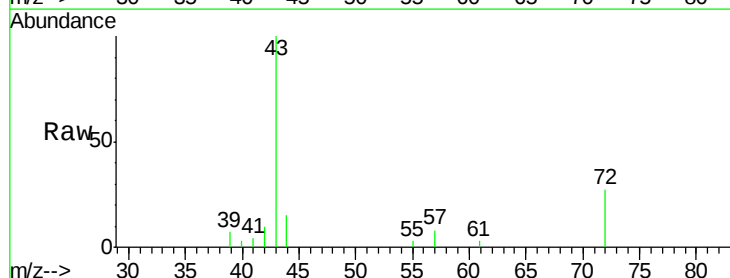


Abundance Ion 63.00 (62.70 to 63.70): VU033196.D (-568) (-)
 Ion 98.00 (97.70 to 98.70): VU033196.D (-568) (-)
 Ion 100.00 (99.70 to 100.70): VU033196.D (-568) (-)

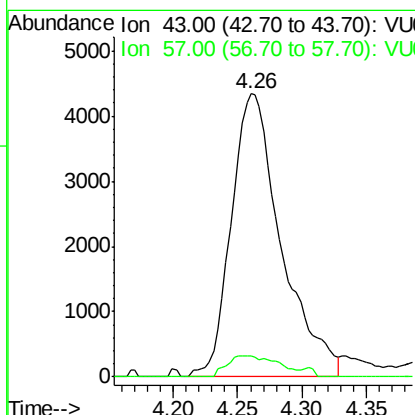
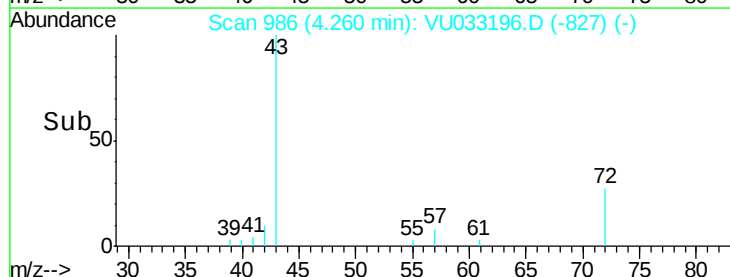


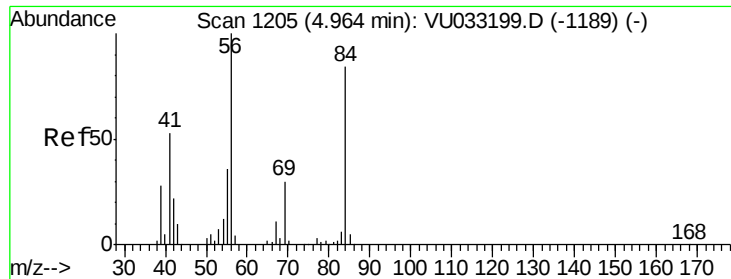
#18
 2-Butanone
 Concen: 4.941 ug/l
 RT: 4.26 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VU033196.D
 Acq: 11 Jul 2019 17:20

Tgt Ion:	43	Resp:	11697
Ion Ratio	Lower	Upper	
43	100		
57	7.5	0.0	18.4



Abundance Ion 43.00 (42.70 to 43.70): VU033196.D (-827) (-)
 Ion 57.00 (56.70 to 57.70): VU033196.D (-827) (-)





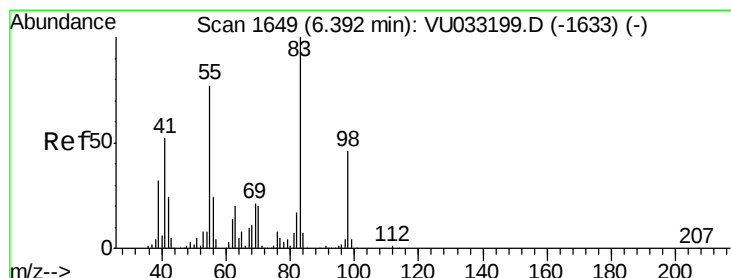
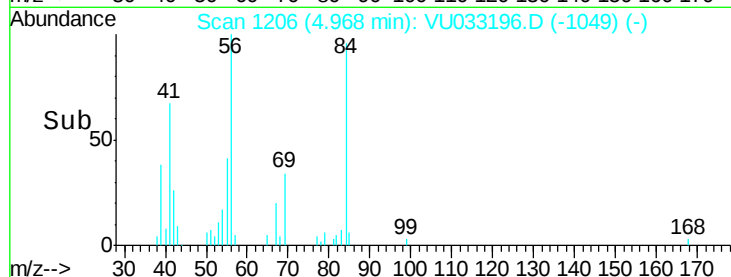
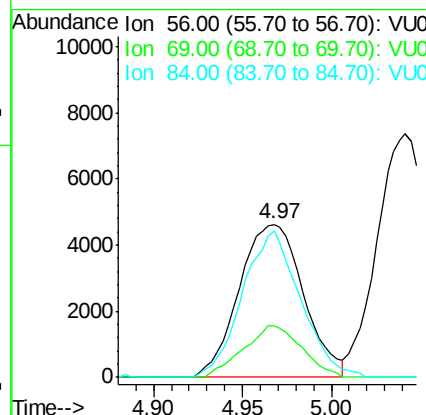
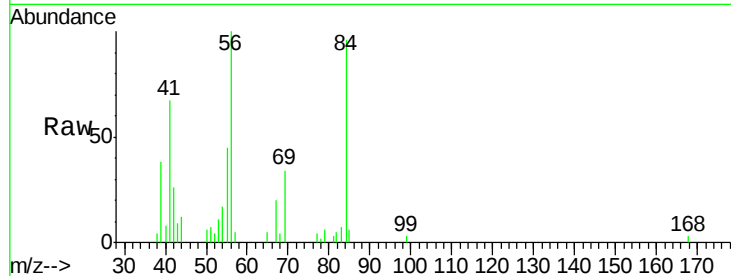
#19
Cyclohexane
Concen: 0.851 ug/l m
RT: 4.97 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.6	37.0
84	86.2	67.5	101.3

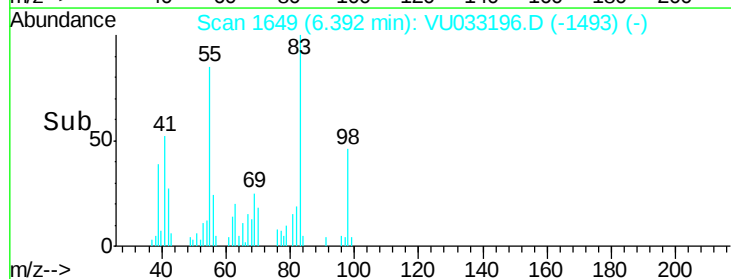
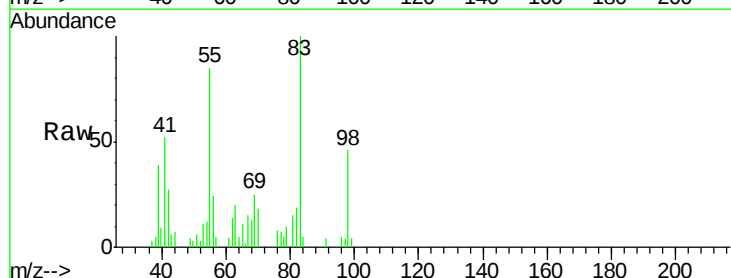
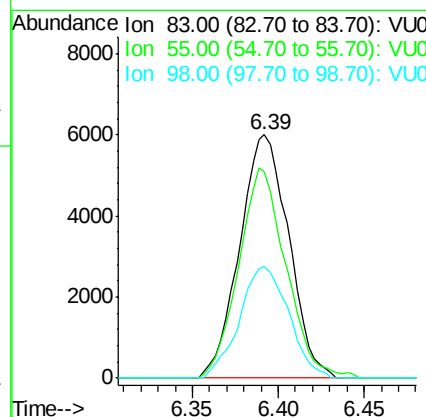
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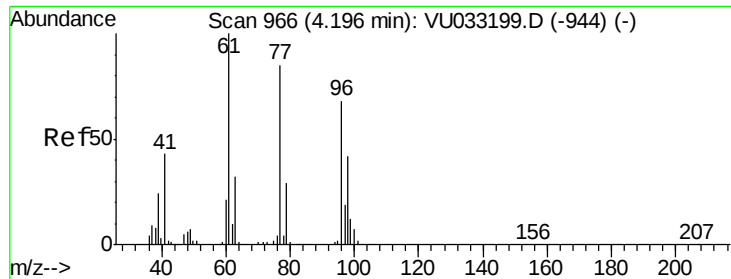
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#20
Methylcyclohexane
Concen: 0.874 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.4	62.0	93.0
98	46.0	36.3	54.5





#21

2,2-Dichloropropane

Concen: 0.886 ug/l

RT: 4.20 min Scan# 966

Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Instrument :

MSVOA_U

ClientSampled :

VSTDIC001

Tot Ion: 77 Resp: 14019

Ion Ratio Lower Upper

77 100

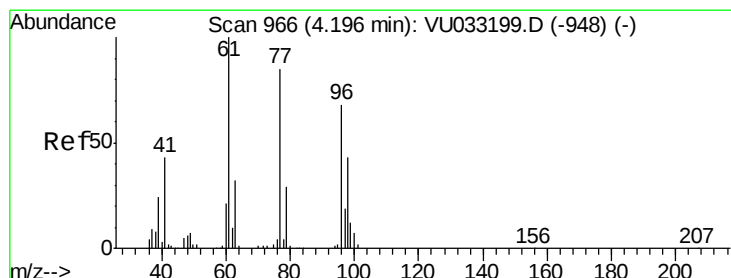
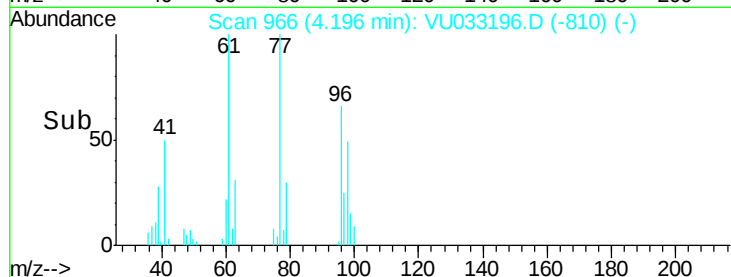
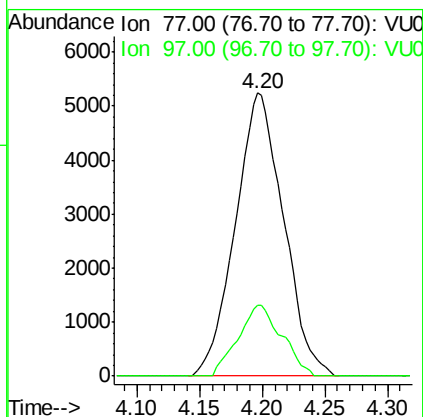
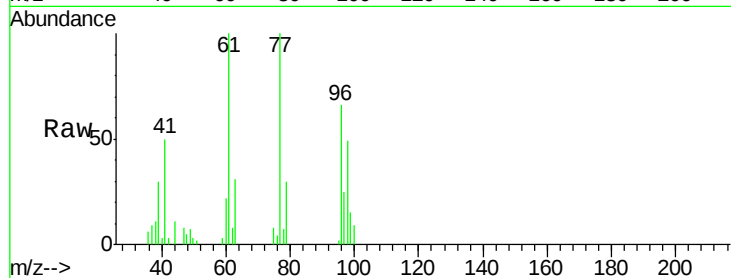
97 22.7 17.6 26.4

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#22

cis-1,2-Dichloroethene

Concen: 0.940 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.01 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

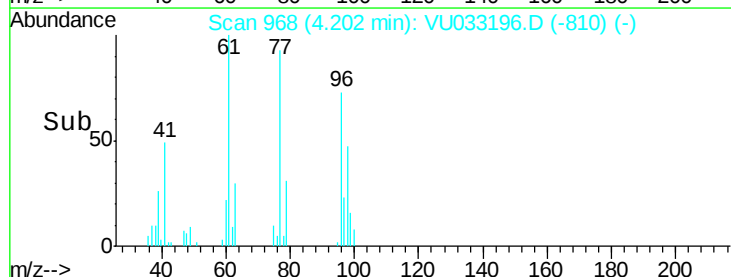
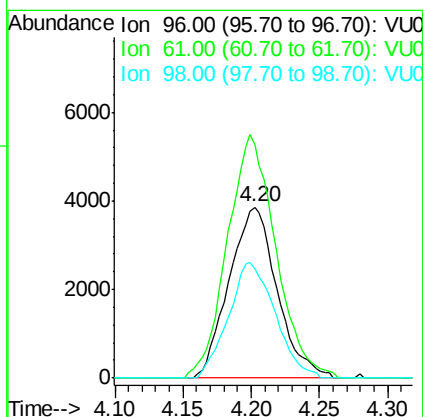
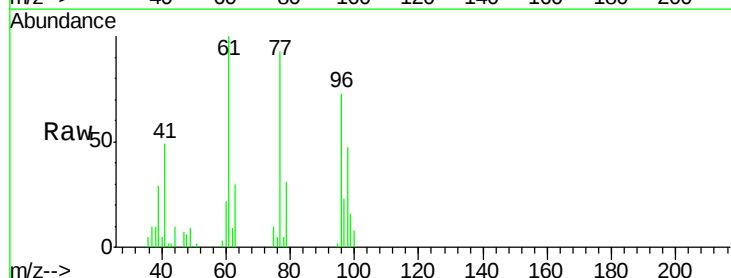
Tgt Ion: 96 Resp: 9451

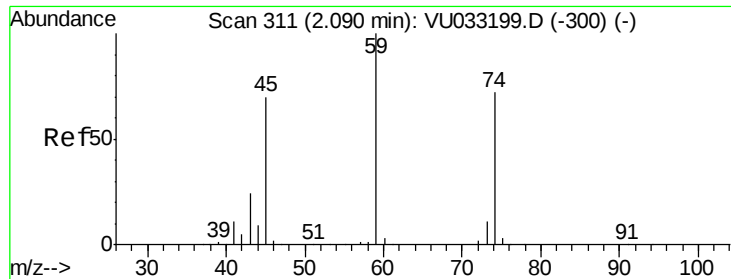
Ion Ratio Lower Upper

96 100

61 143.3 0.0 377.3

98 65.6 32.3 96.8





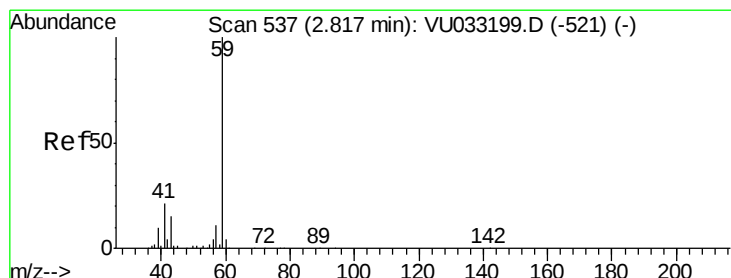
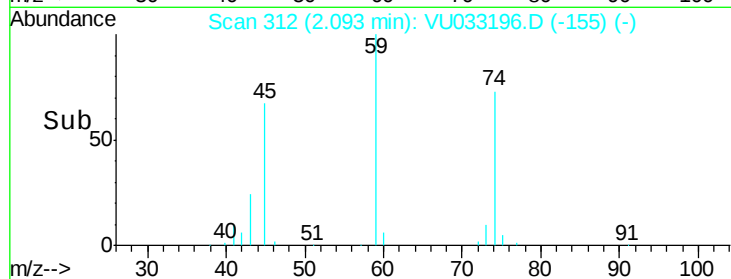
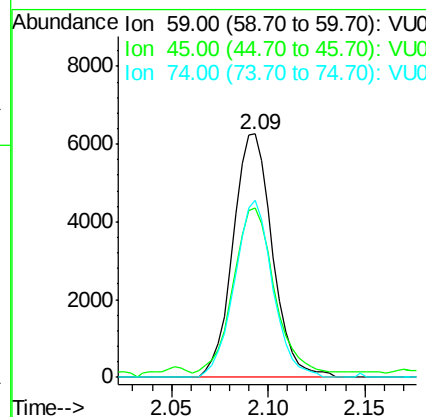
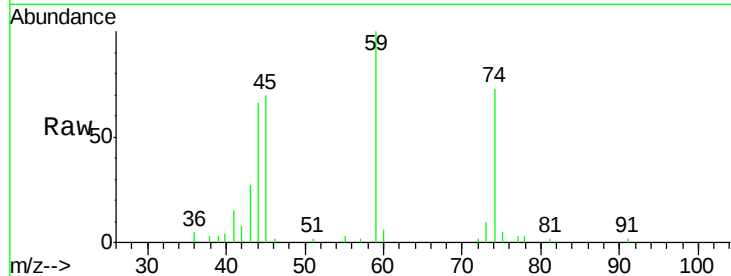
#23
Diethyl Ether
Concen: 0.979 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:	59	Resp:	8855
Ion	Ratio	Lower	Upper
59	100		
45	72.1	55.7	83.5
74	70.4	58.1	87.1

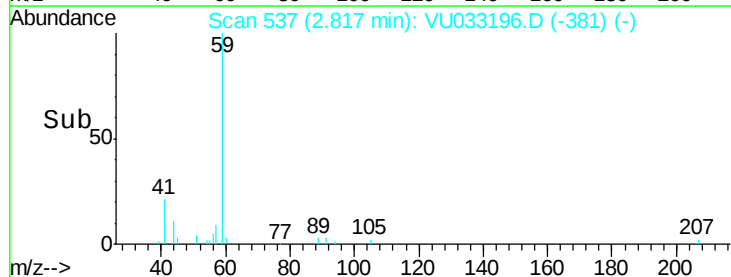
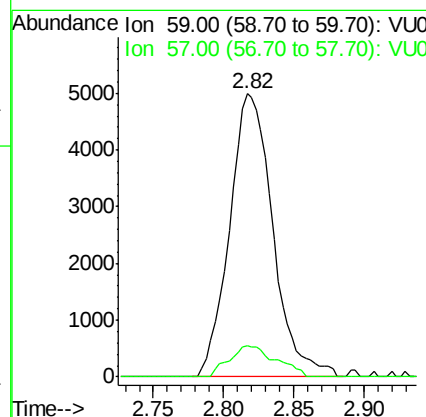
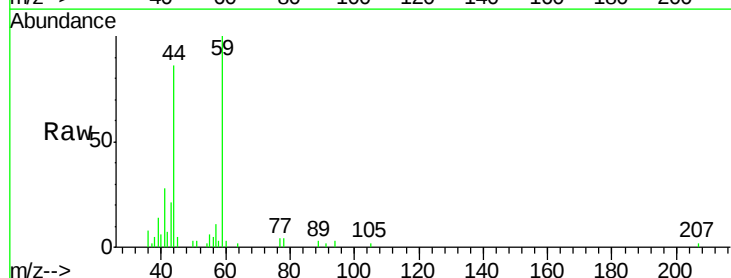
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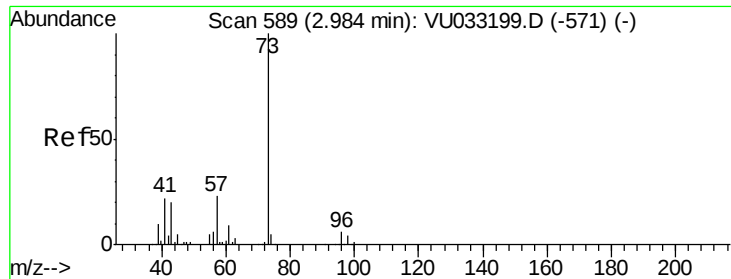
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 9.299 ug/l
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tgt Ion:	59	Resp:	10711
Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.5	12.7





#25

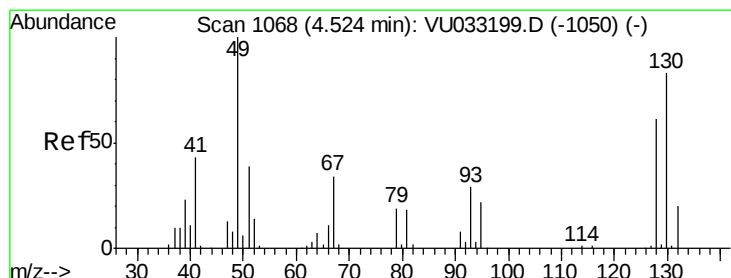
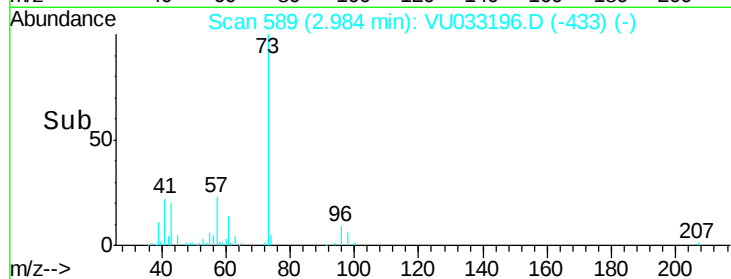
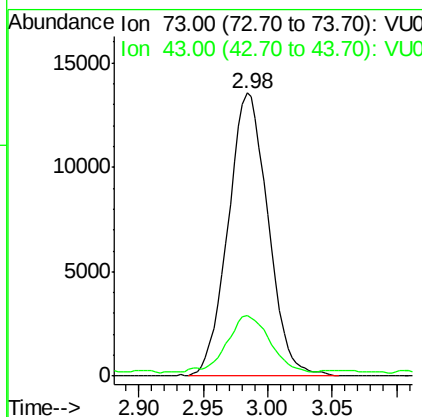
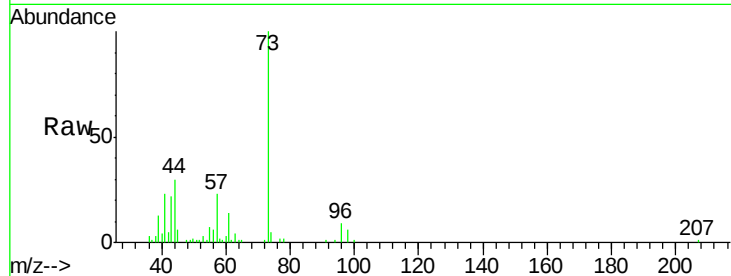
Methvl tert-Butvl Ether
 Concen: 0.958 ug/l
 RT: 2.98 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VU033196.D
 Acq: 11 Jul 2019 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.4	16.1	24.1

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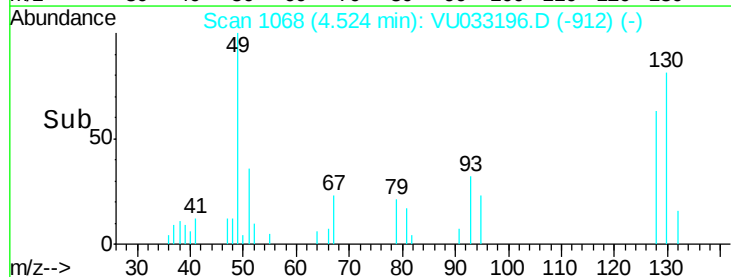
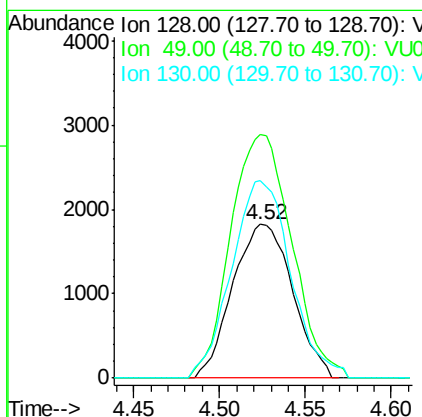
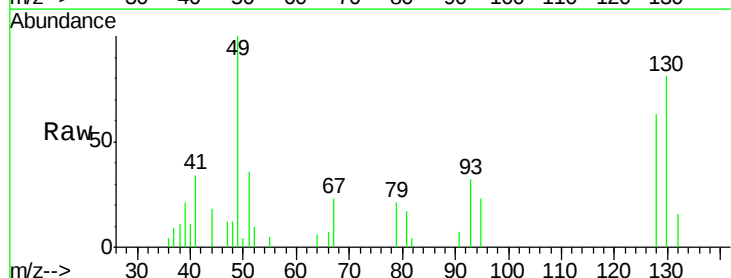
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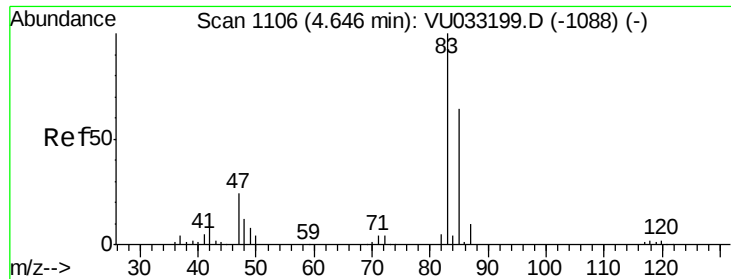


#26

Bromochloromethane
 Concen: 0.986 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU033196.D
 Acq: 11 Jul 2019 17:20

Tgt Ion	Ratio	Lower	Upper
128	100		
49	161.6	0.0	328.6
130	126.7	104.1	156.1





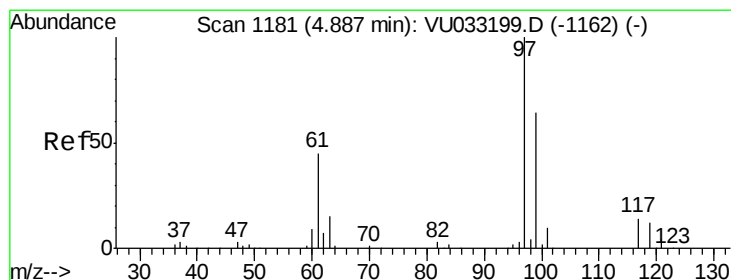
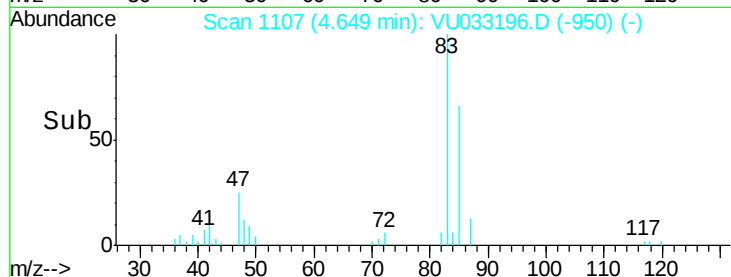
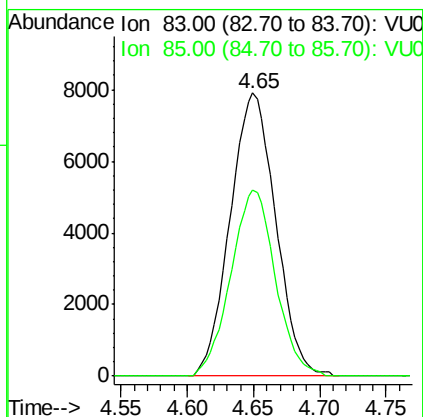
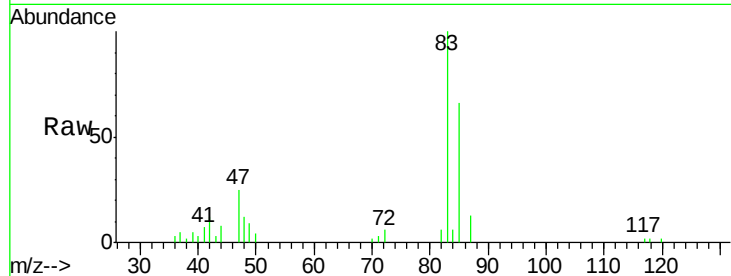
#27
Chloroform
Concen: 0.933 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	18884
Ion Ratio	100	Lower	Upper
85	65.6	0.0	128.4

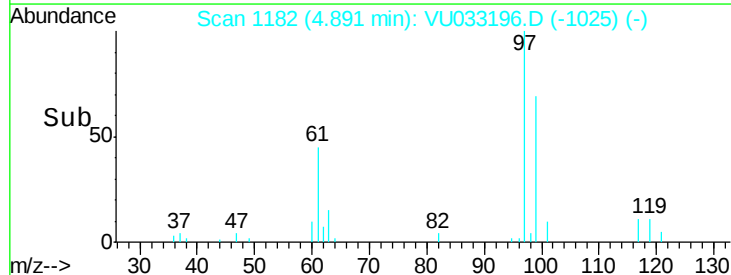
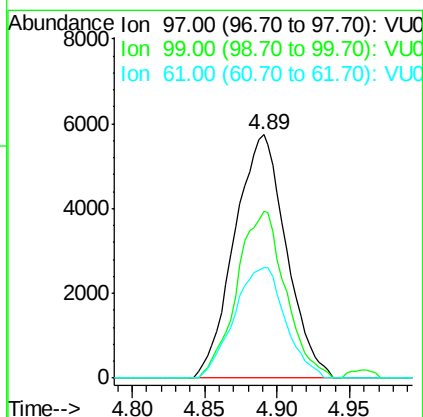
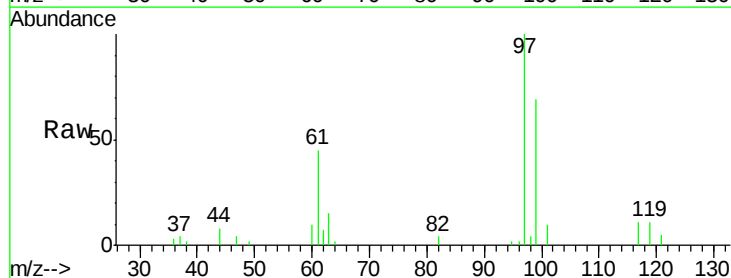
Manual Integrations
APPROVED

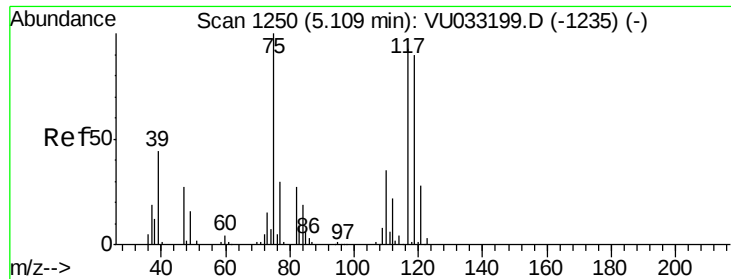
MMDadoda
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#28
1,1,1-Trichloroethane
Concen: 0.898 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tgt Ion	97	Resp	14245
Ion Ratio	100	Lower	Upper
99	64.3	31.9	95.5
61	44.9	22.6	67.7





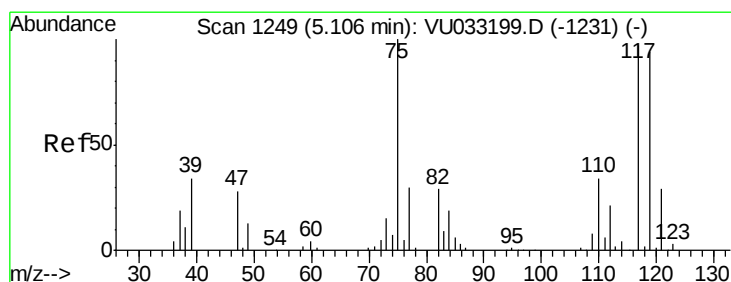
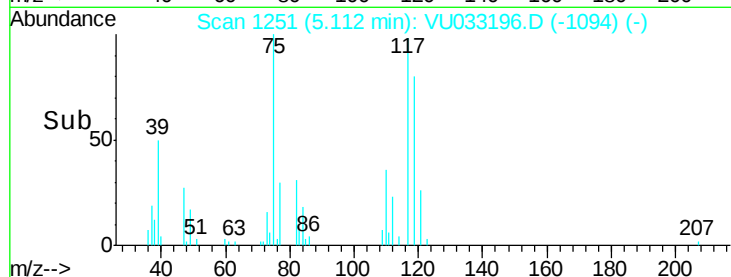
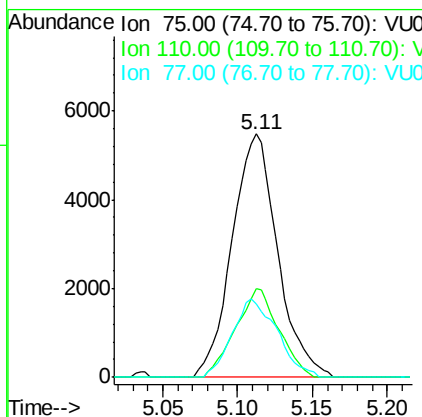
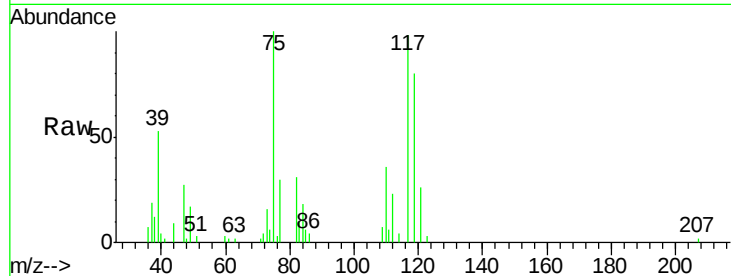
#29
 1,1-Dichloropropene
 Concen: 0.884 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU033196.D
 Acq: 11 Jul 2019 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.5	52.6
77	31.8	24.6	37.0

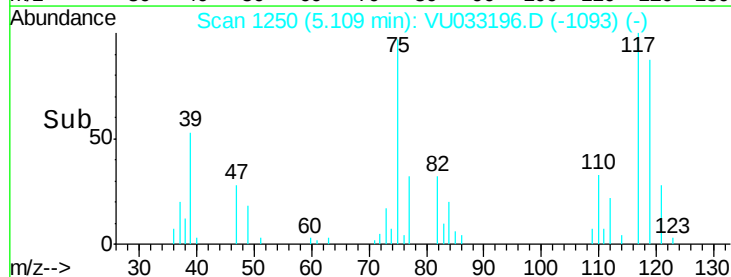
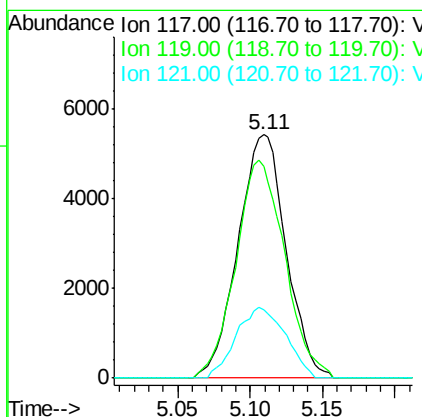
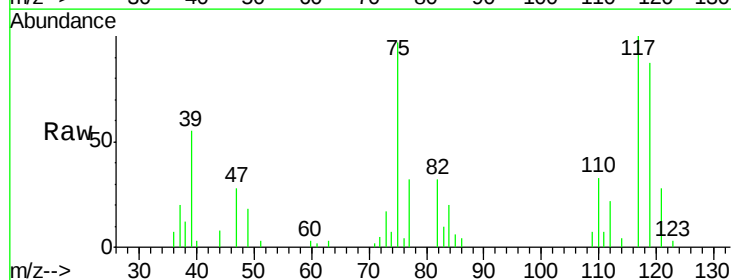
Manual Integrations
 APPROVED

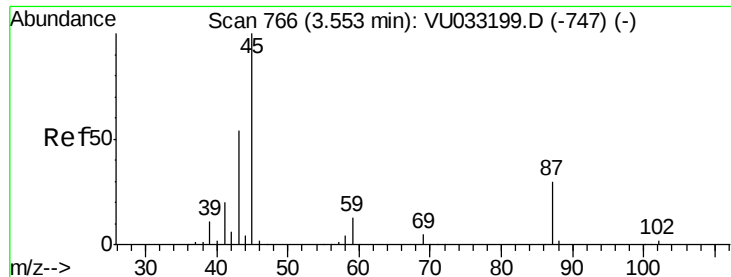
MMDadoda
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#30
 Carbon Tetrachloride
 Concen: 0.882 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU033196.D
 Acq: 11 Jul 2019 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.0	77.4	116.0
121	28.3	24.2	36.2





#31

Isopropyl Ether

Concen: 0.910 ug/l

RT: 3.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 21799

Ion Ratio Lower Upper

45 100

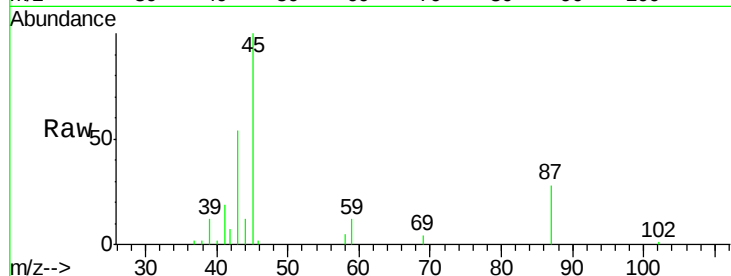
43 57.8 27.3 81.8

Manual Integrations

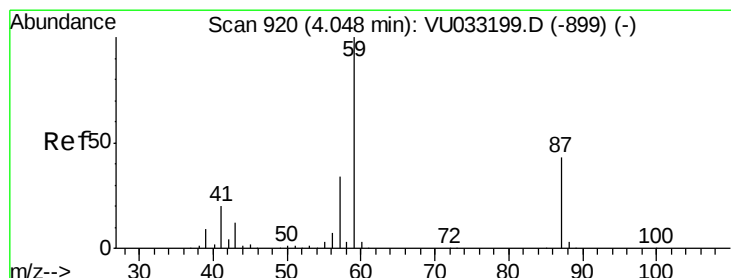
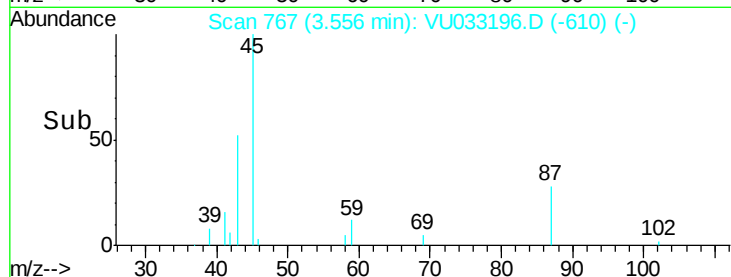
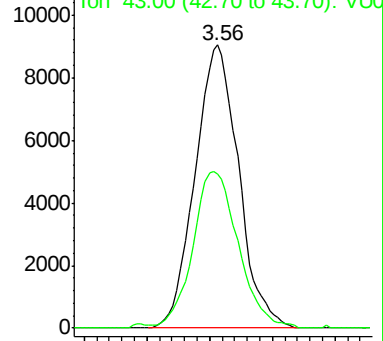
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Abundance Ion 45.00 (44.70 to 45.70): VU033199.D (-747) (-)



#32

Ethyl-t-butyl ether

Concen: 0.907 ug/l

RT: 4.05 min Scan# 920

Delta R.T. 0.00 min

Lab File: VU033196.D

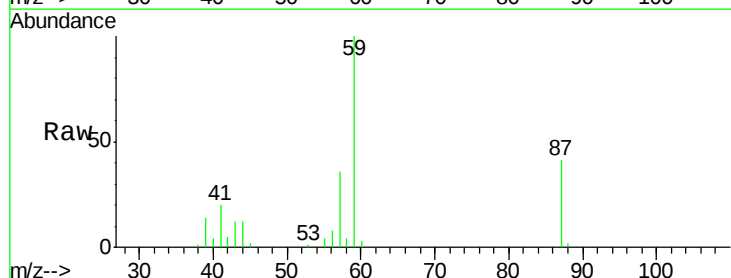
Acq: 11 Jul 2019 17:20

Tgt Ion: 59 Resp: 20714

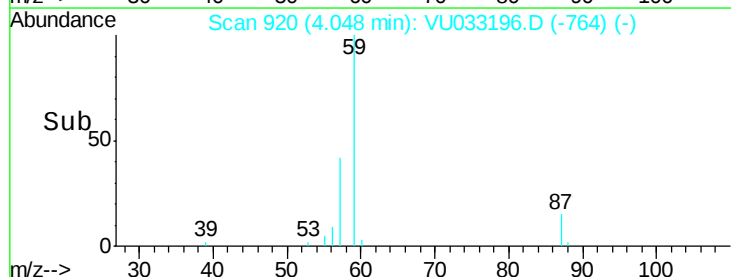
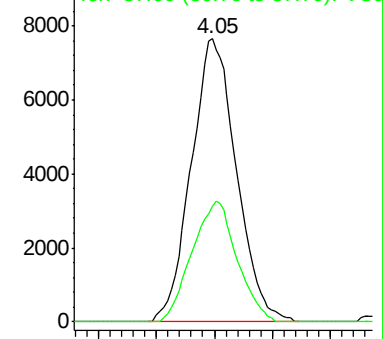
Ion Ratio Lower Upper

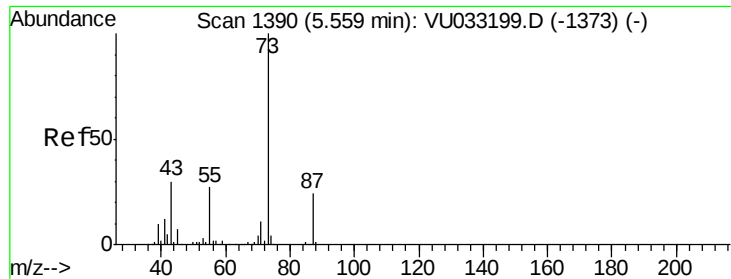
59 100

87 42.4 34.5 51.7



Abundance Ion 59.00 (58.70 to 59.70): VU033199.D (-899) (-)





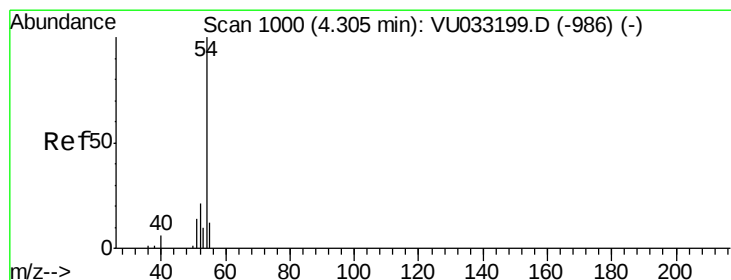
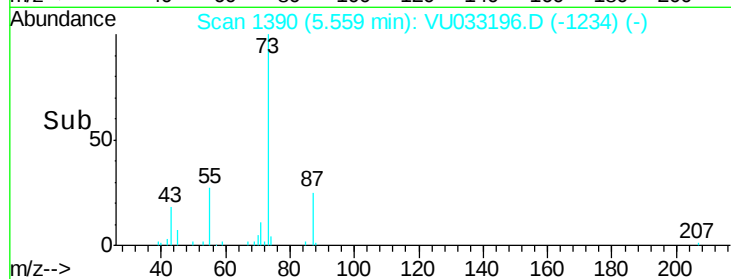
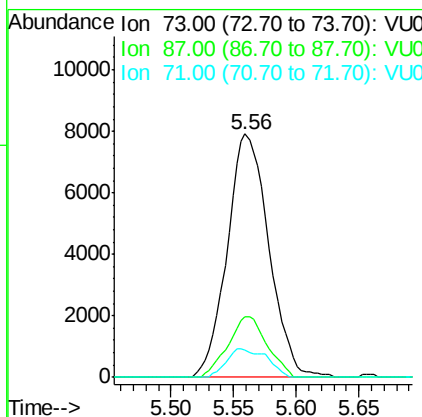
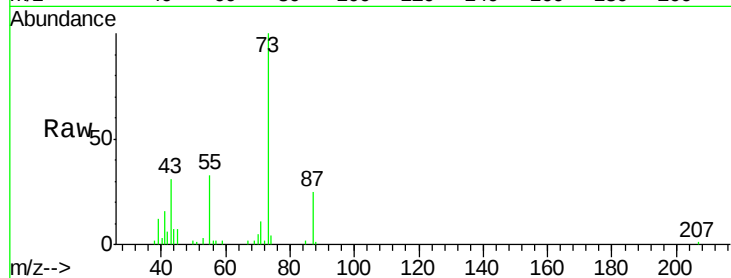
#33
Tert-Butyl methyl ether
Concen: 0.887 ug/l
RT: 5.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.2	19.8	29.6
71	11.4	9.1	13.7

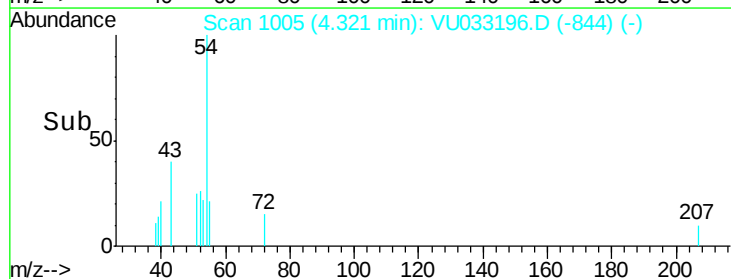
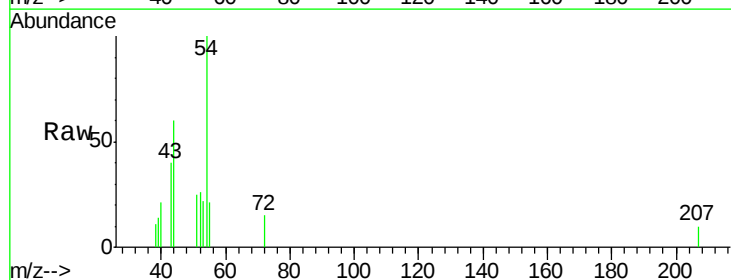
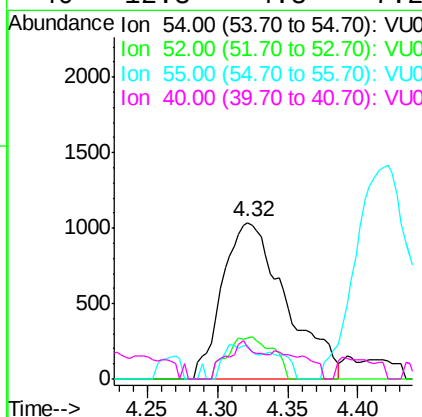
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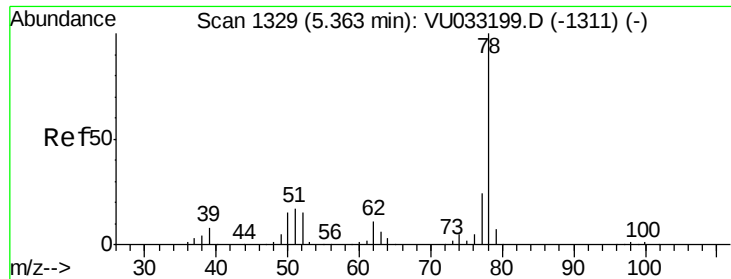
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#34
Propionitrile
Concen: 4.757 ug/l
RT: 4.32 min Scan# 1005
Delta R.T. 0.02 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.2	16.7	25.1
55	10.2	12.9	19.3#
40	12.3	4.8	7.2#





#35

Benzene

Concen: 0.893 ug/l

RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 34088

Ion Ratio Lower Upper

78 100

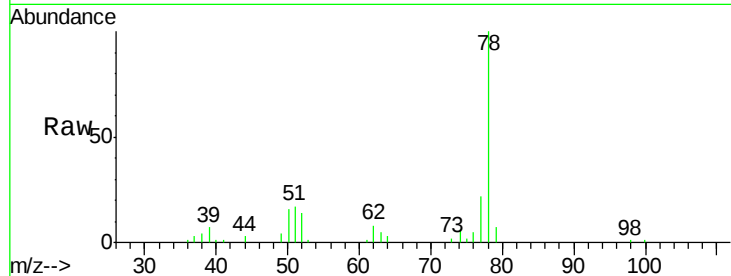
77 22.2 19.3 28.9

Manual Integrations

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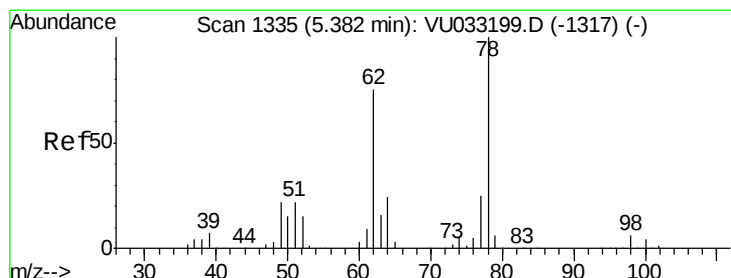
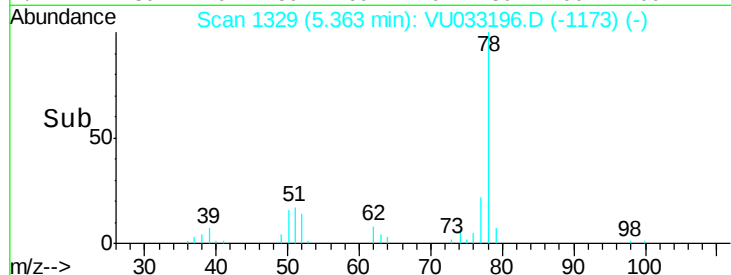
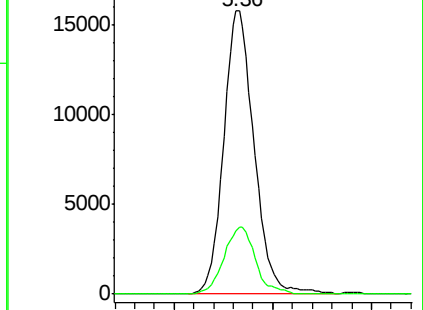
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Abundance Ion 78.10 (77.80 to 78.80): VU033199.D (-1311) (-)

Ion 77.00 (76.70 to 77.70): VU033199.D (-1311) (-)



#36

1,2-Dichloroethane

Concen: 0.928 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU033196.D

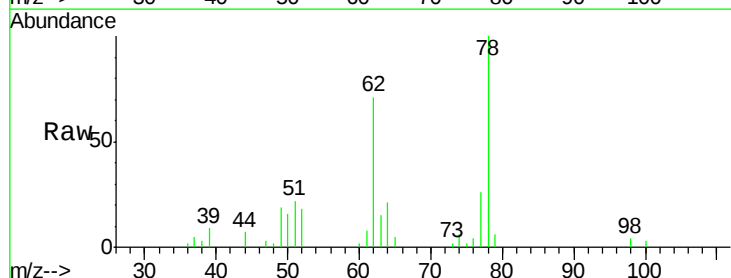
Acq: 11 Jul 2019 17:20

Tgt Ion: 62 Resp: 11440

Ion Ratio Lower Upper

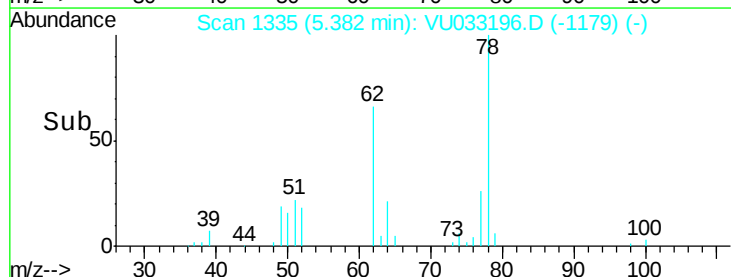
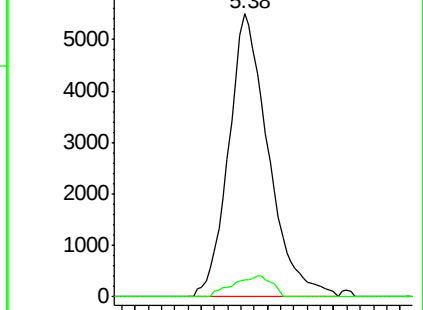
62 100

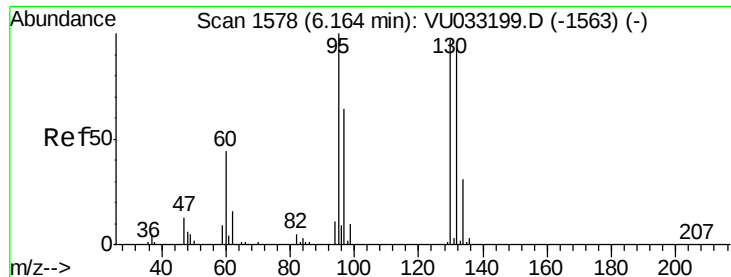
98 7.3 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VU033199.D (-1317) (-)

Ion 98.00 (97.70 to 98.70): VU033199.D (-1317) (-)





#37

Trichloroethene

Concen: 0.934 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 9197

Ion Ratio Lower Upper

130 100

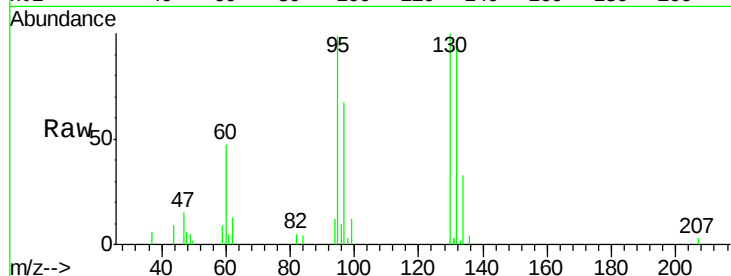
95 98.7 82.4 123.6

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VU033199.D (-1563) (-)

Ion 94.90 (94.60 to 95.60): VU033199.D (-1563) (-)

6.17

5000

4000

3000

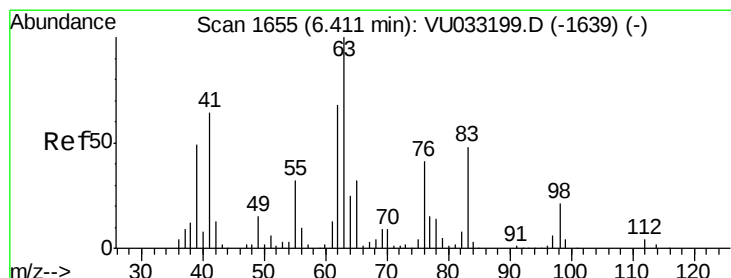
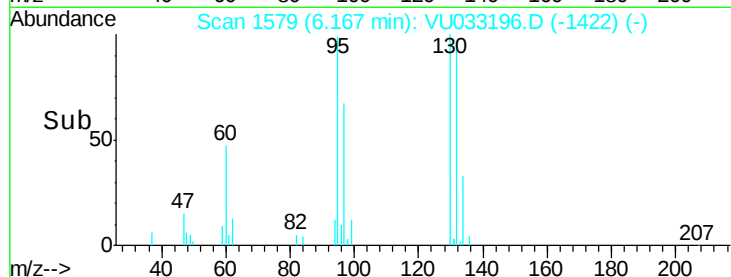
2000

1000

0

6.10 6.15 6.20 6.25

Time-->



#38

1,2-Dichloropropane

Concen: 0.884 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU033196.D

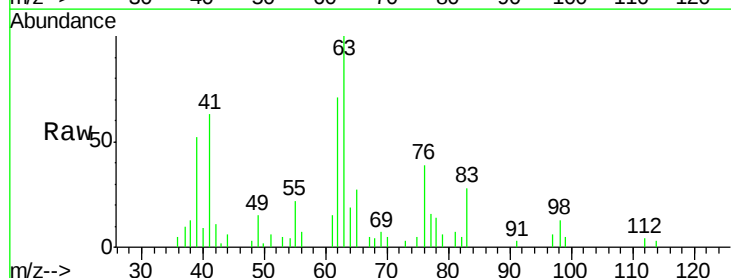
Acq: 11 Jul 2019 17:20

Tgt Ion: 63 Resp: 9292

Ion Ratio Lower Upper

63 100

65 27.1 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VU033199.D (-1639) (-)

Ion 65.00 (64.70 to 65.70): VU033199.D (-1639) (-)

6.41

5000

4000

3000

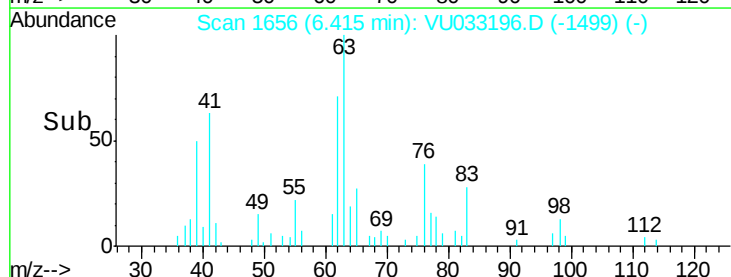
2000

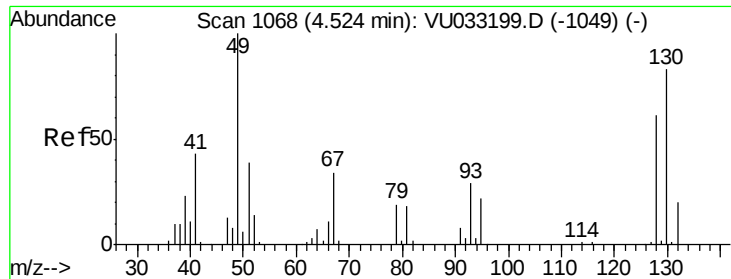
1000

0

6.35 6.40 6.45

Time-->





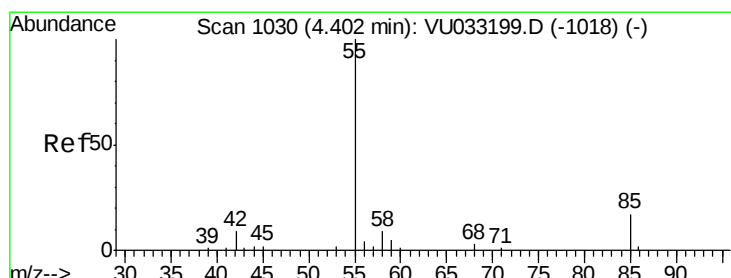
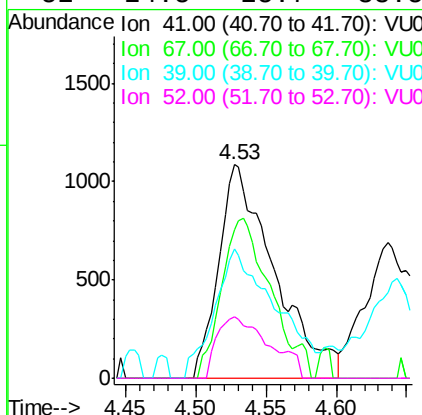
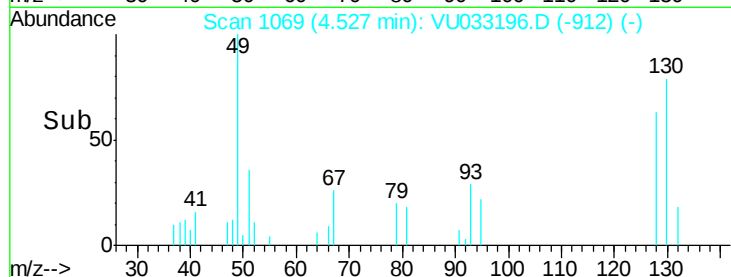
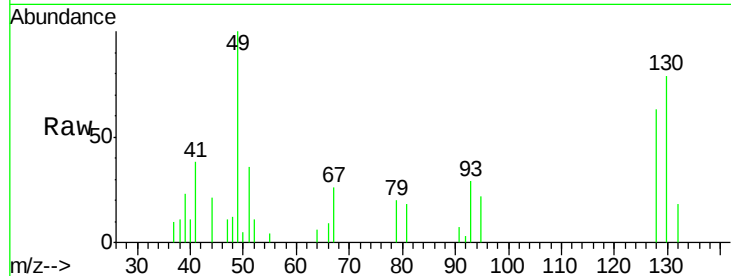
#39
Methacrylonitrile
Concen: 1.048 ug/l
RT: 4.53 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
67	63.1	61.0	91.4
39	66.3	44.4	66.6
52	24.5	25.7	38.5#

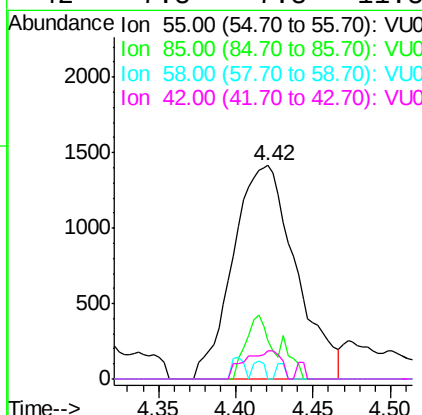
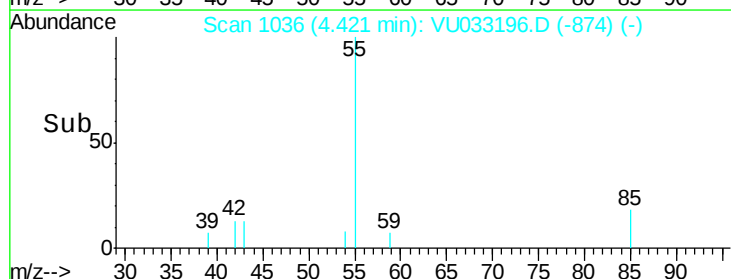
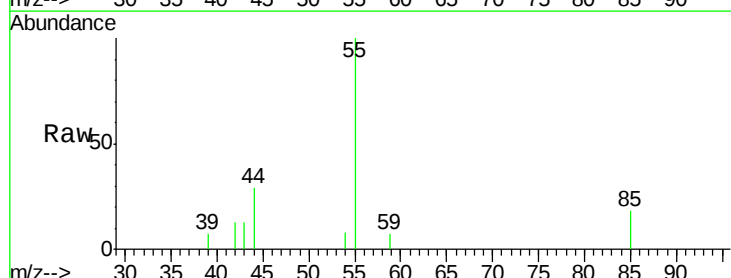
Manual Integrations
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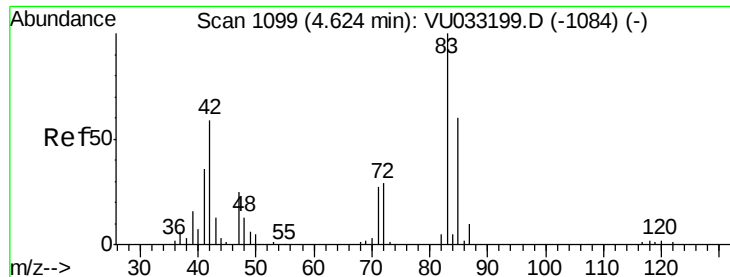
MMDadoda
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#40
Methyl acrylate
Concen: 0.928 ug/l
RT: 4.42 min Scan# 1036
Delta R.T. 0.02 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tgt Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.0	19.6#
58	1.0	7.0	10.4#
42	7.8	7.8	11.8#





#41

Tetrahydrofuran

Concen: 2.162 ug/l

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

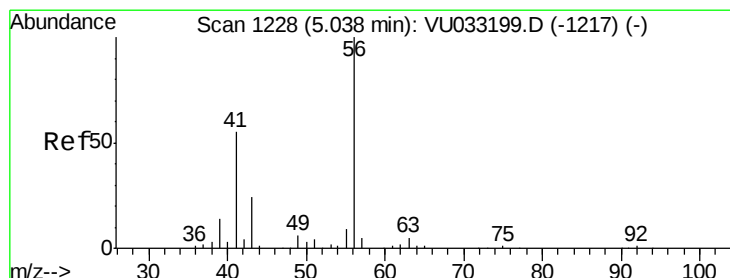
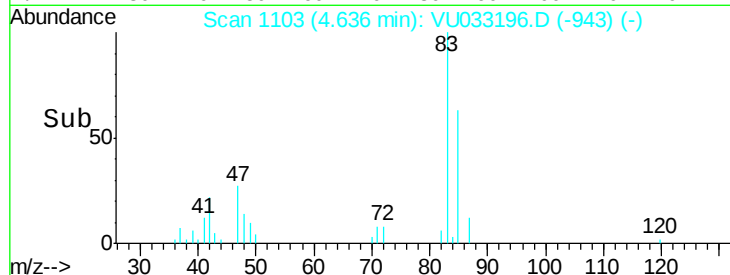
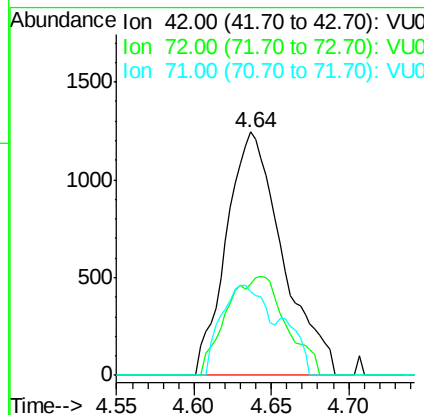
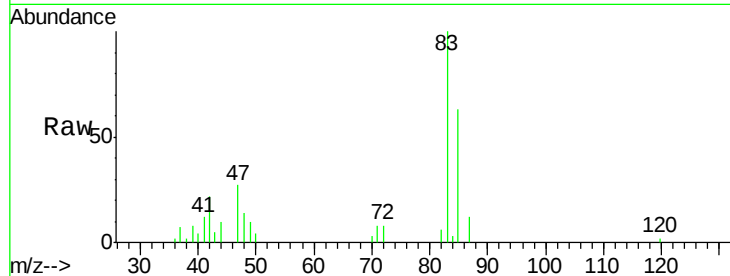
VSTDIC001

Tot Ion:	42	Resp:	3135
Ion	Ratio	Lower	Upper
42	100		
72	43.6	40.7	61.1
71	30.2	35.4	53.0#

Manual Integrations
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#42

1-Chlorobutane

Concen: 0.892 ug/l

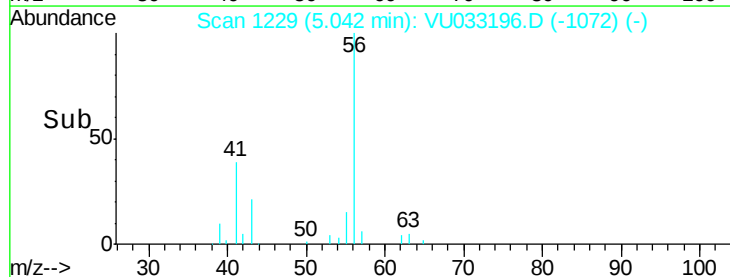
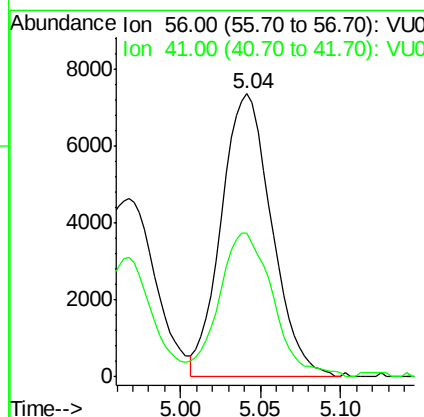
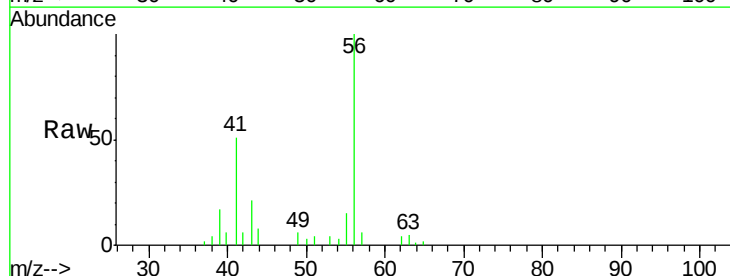
RT: 5.04 min Scan# 1229

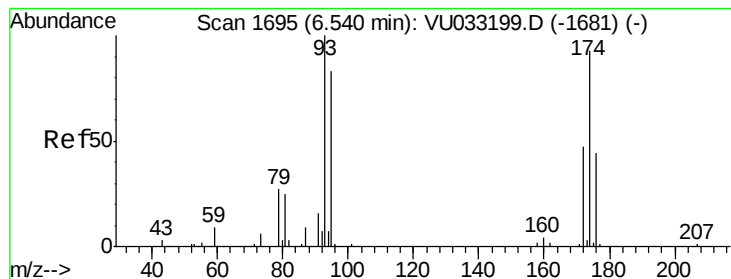
Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Tgt Ion:	56	Resp:	15903
Ion	Ratio	Lower	Upper
56	100		
41	54.6	26.5	79.4





#43

Dibromomethane

Concen: 0.899 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 93 Resp: 4957

Ion Ratio Lower Upper

93 100

95 78.5 67.5 101.3

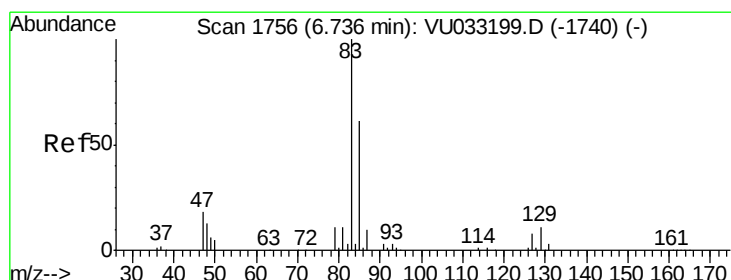
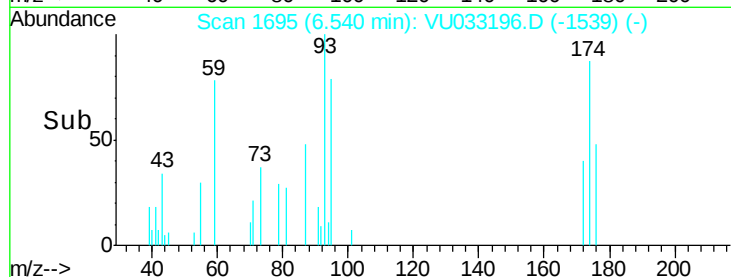
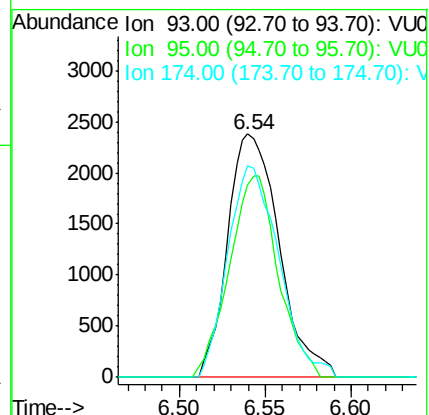
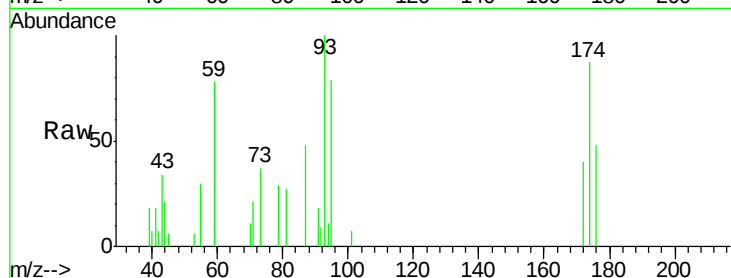
174 86.3 74.2 111.2

Manual Integrations

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#44

Bromodichloromethane

Concen: 0.913 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

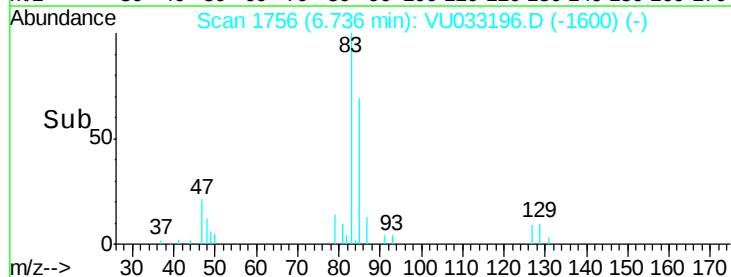
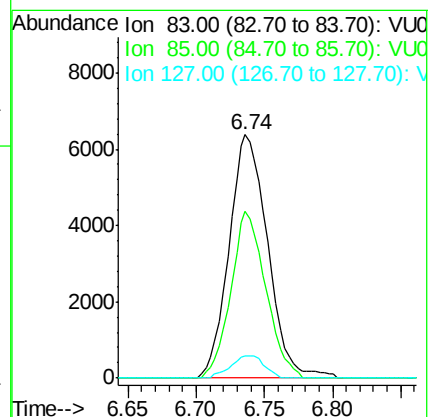
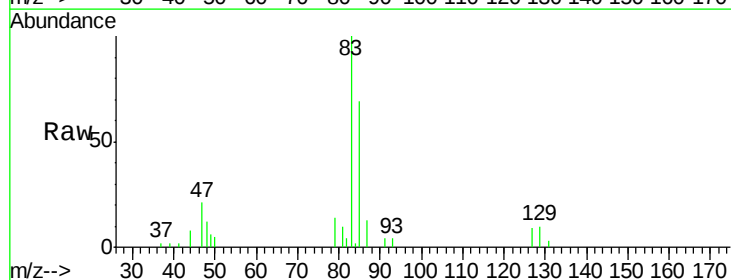
Tgt Ion: 83 Resp: 12528

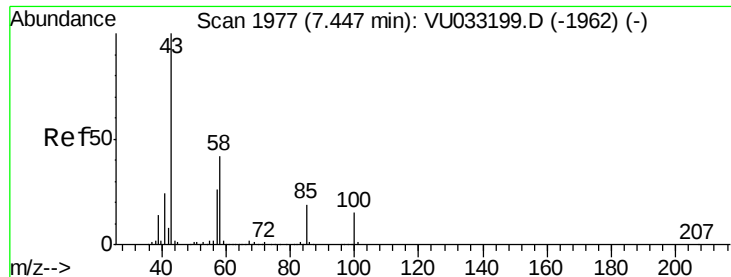
Ion Ratio Lower Upper

83 100

85 68.5 49.1 73.7

127 9.1 6.6 9.8





#45

4-Methyl-2-Pentanone

Concen: 4.362 ug/l

RT: 7.45 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

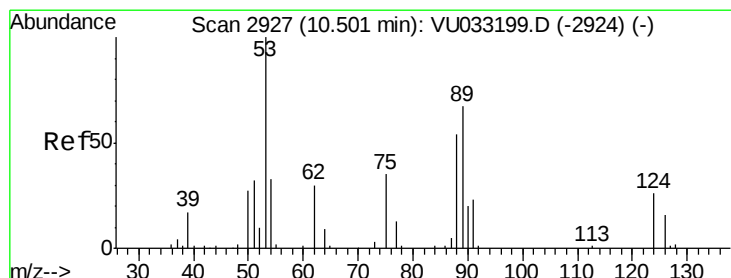
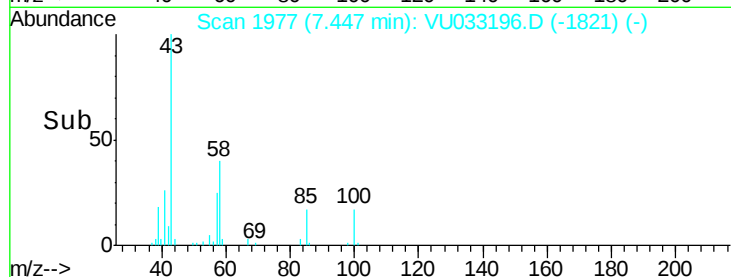
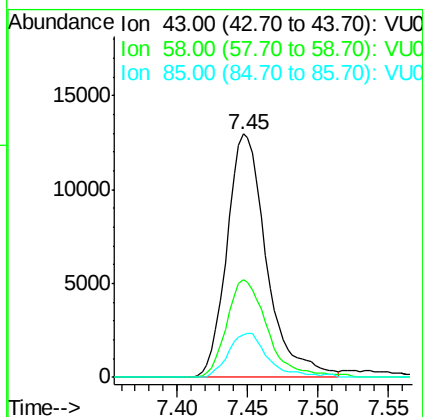
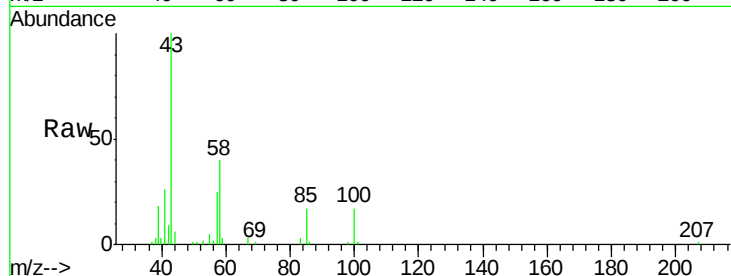
VSTDIC001

Tot Ion:	43	Resp:	25520
Ion	Ratio	Lower	Upper
43	100		
58	41.3	20.4	61.2
85	17.9	14.7	22.1

Manual Integrations
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#46

t-1,4-Dichloro-2-butene

Concen: 1.588 ug/l m

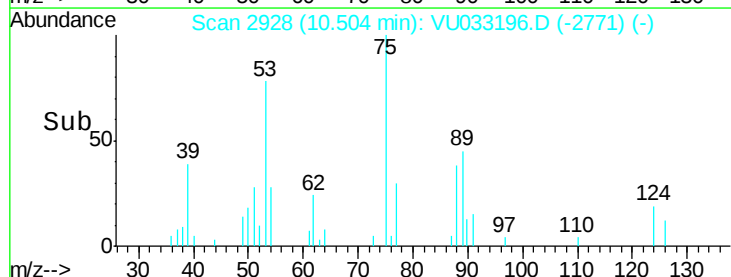
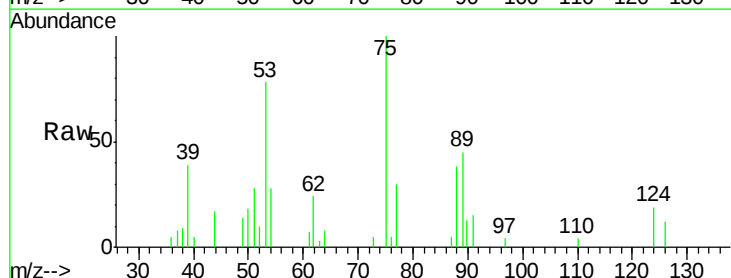
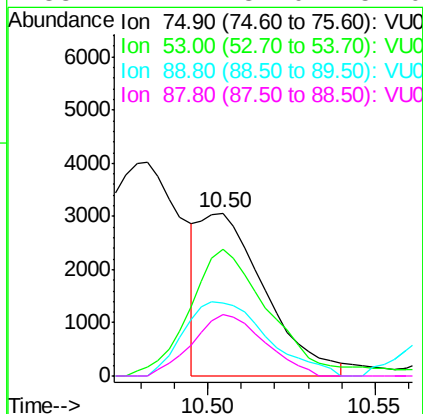
RT: 10.50 min Scan# 2928

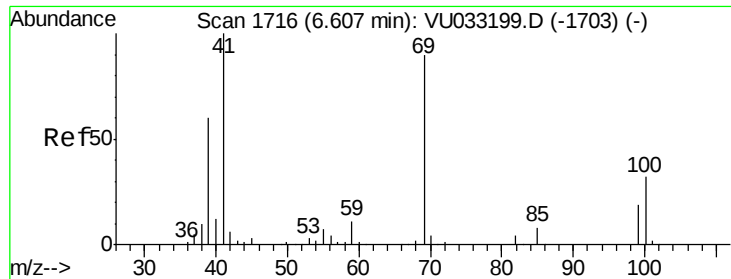
Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Tgt Ion:	75	Resp:	4195
Ion	Ratio	Lower	Upper
75	100		
53	96.1	63.8	95.6#
89	58.0	44.0	66.0
88	41.2	34.0	51.0





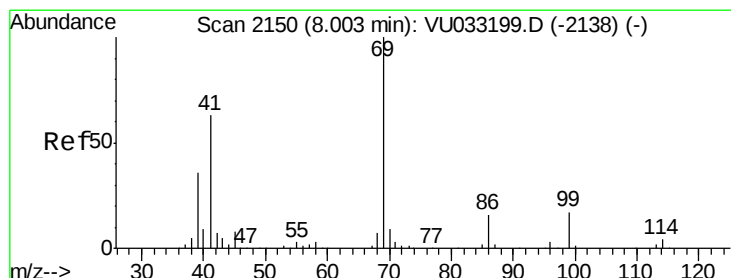
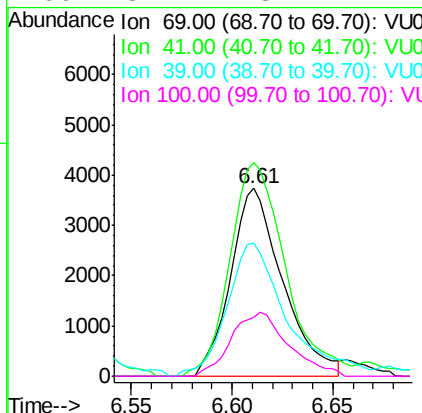
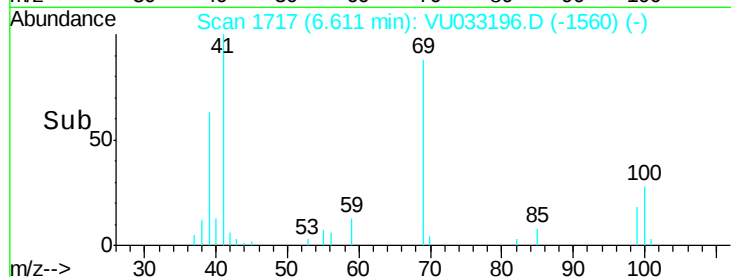
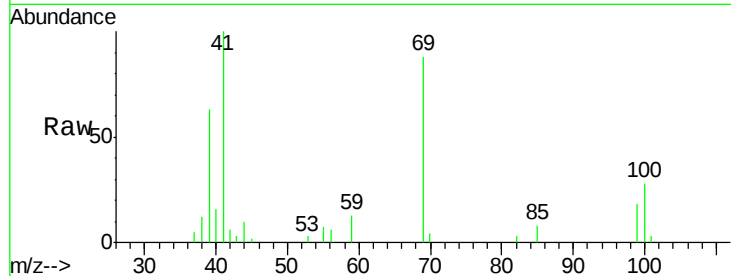
#47
Methyl methacrylate
Concen: 1.581 ug/l
RT: 6.61 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	121.3	0.0	217.0	
39	81.1	52.1	78.1	
100	37.4	28.2	42.4	

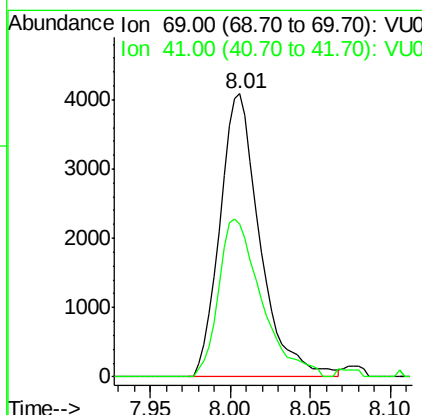
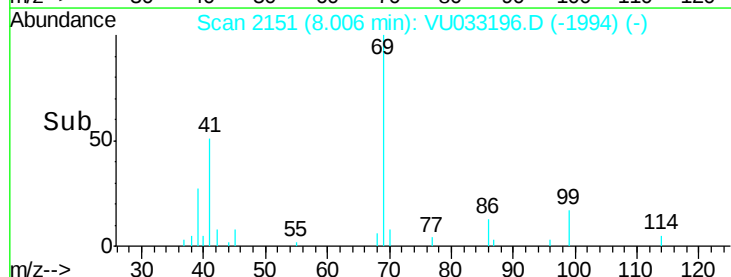
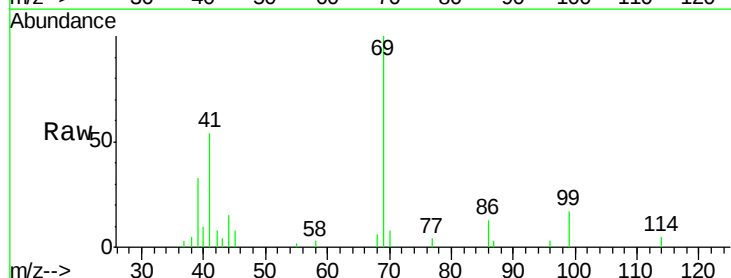
Manual Integrations
APPROVED

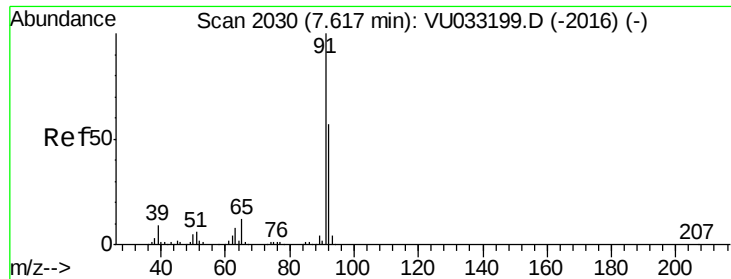
MMDadoda
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#48
Ethyl methacrylate
Concen: 0.885 ug/l
RT: 8.01 min Scan# 2151
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	59.7	31.3	93.8	





#49

Toluene

Concen: 0.857 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 19263

Ion Ratio Lower Upper

92 100

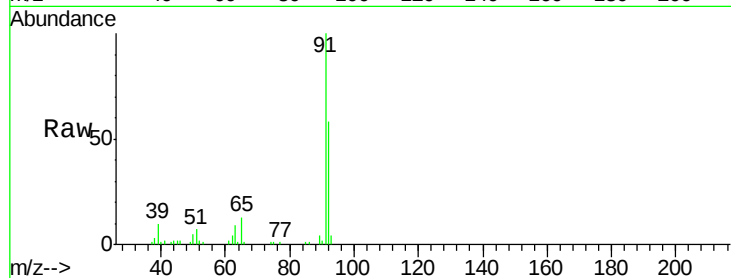
91 174.5 141.2 211.8

Manual Integrations

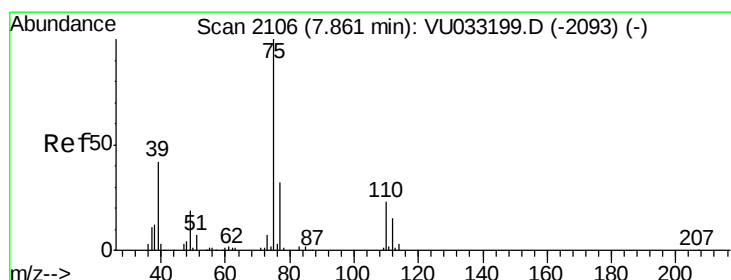
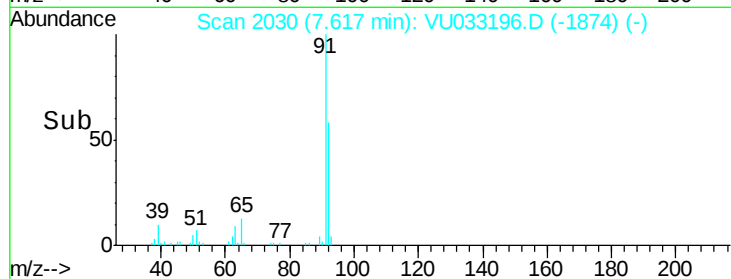
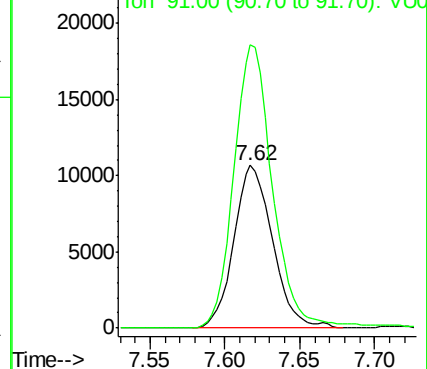
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Abundance Ion 92.00 (91.70 to 92.70): VU033196.D (-1874) (-)



#50

t-1,3-Dichloropropene

Concen: 0.866 ug/l

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033196.D

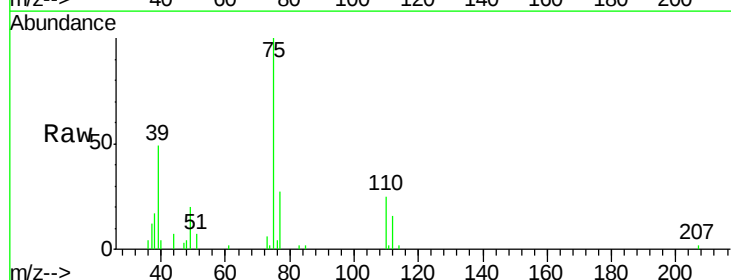
Acq: 11 Jul 2019 17:20

Tgt Ion: 75 Resp: 10255

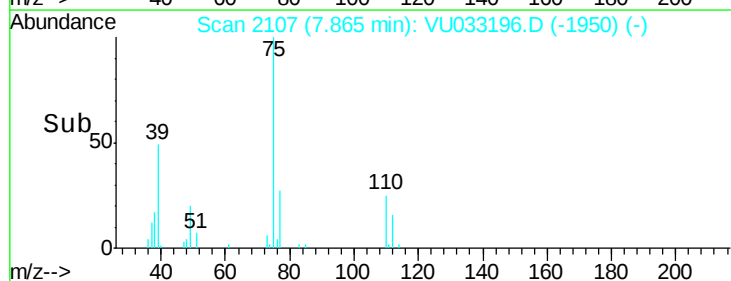
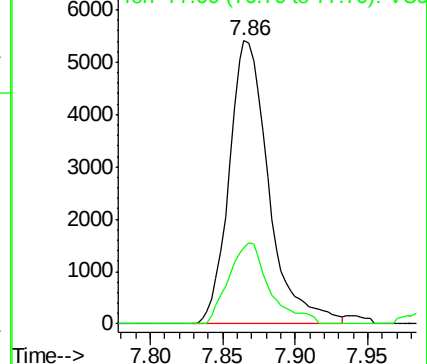
Ion Ratio Lower Upper

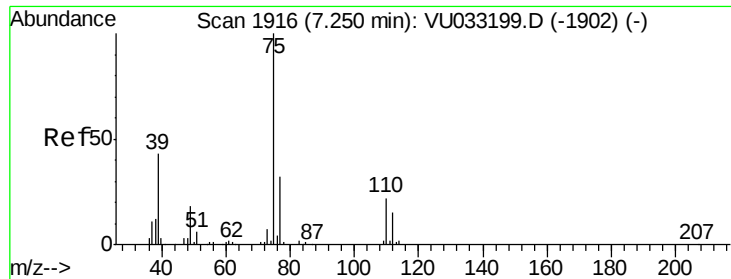
75 100

77 27.0 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU033196.D (-1950) (-)





#51

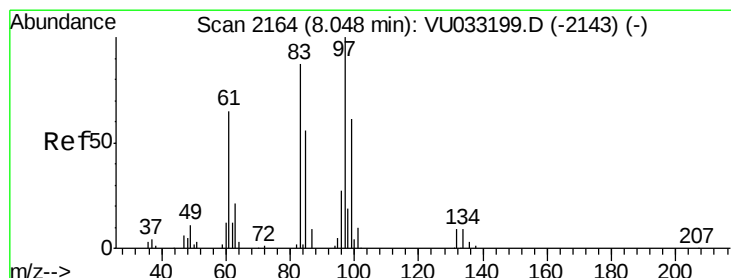
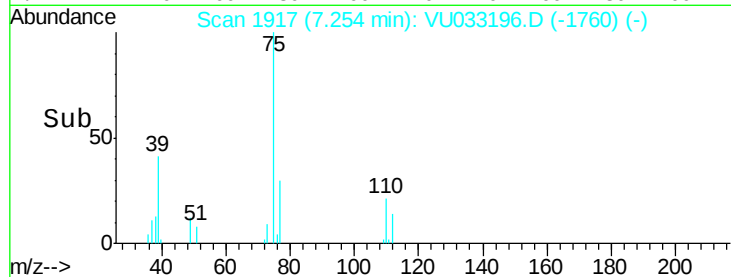
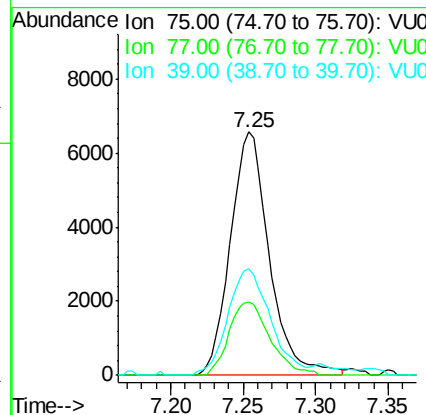
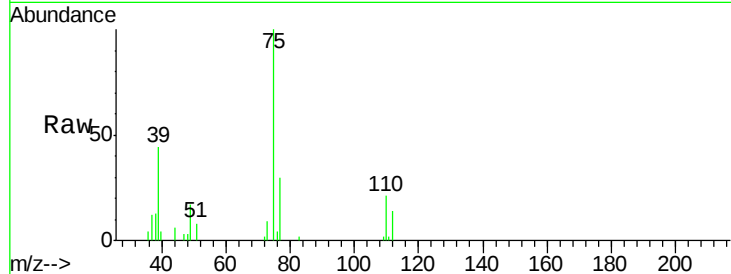
cis-1,3-Dichloropropene
 Concen: 0.879 ug/l
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033196.D
 Acq: 11 Jul 2019 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:	75	Resp:	12239
Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.4	38.0
39	43.7	34.5	51.7

Manual Integrations
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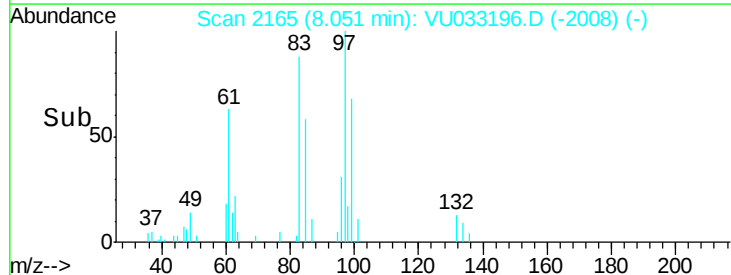
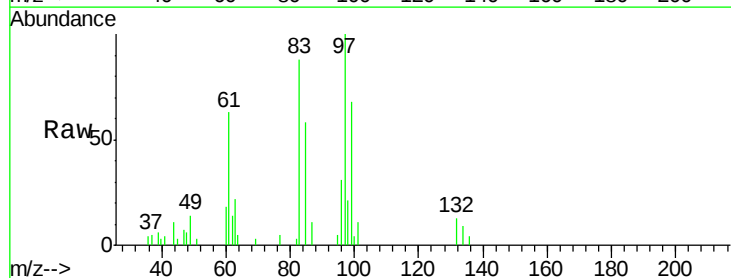
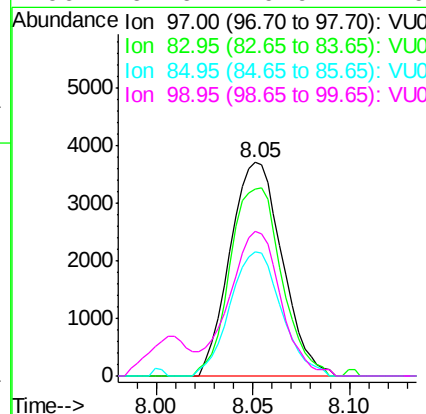
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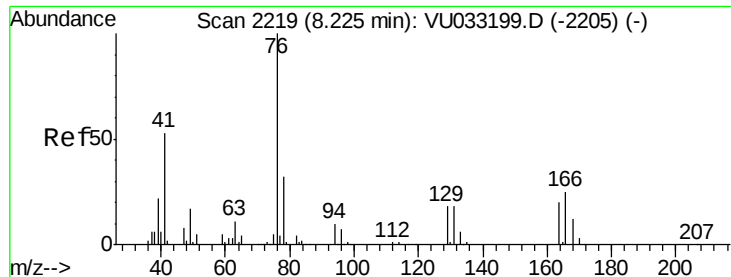


#52

1,1,2-Trichloroethane
 Concen: 0.917 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033196.D
 Acq: 11 Jul 2019 17:20

Tgt Ion:	97	Resp:	6971
Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.9	104.9
85	58.3	45.2	67.8
99	67.6	49.9	74.9





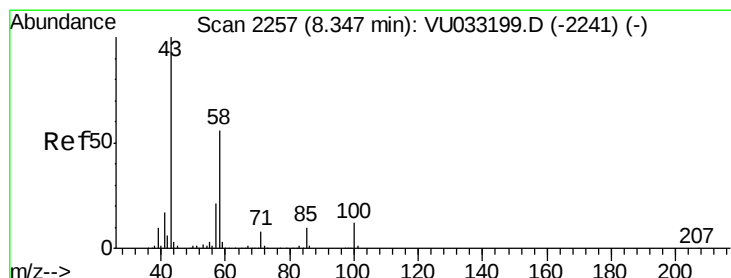
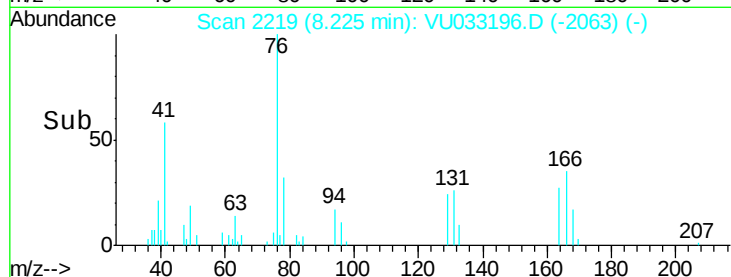
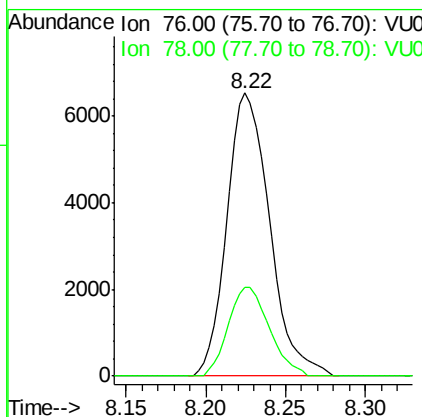
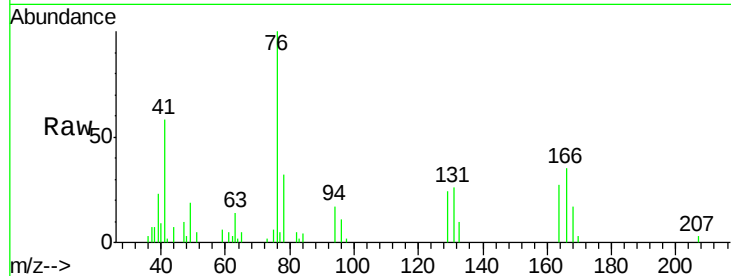
#53
 1,3-Dichloropropane
 Concen: 0.933 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU033196.D
 Acq: 11 Jul 2019 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.1	25.9	38.9

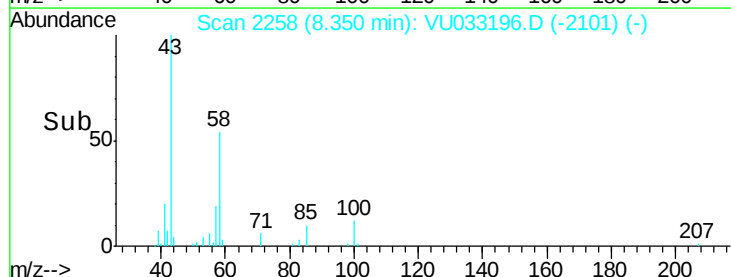
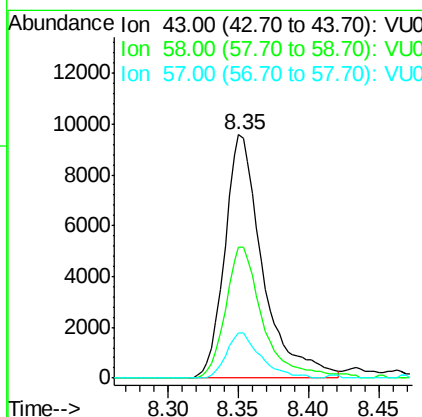
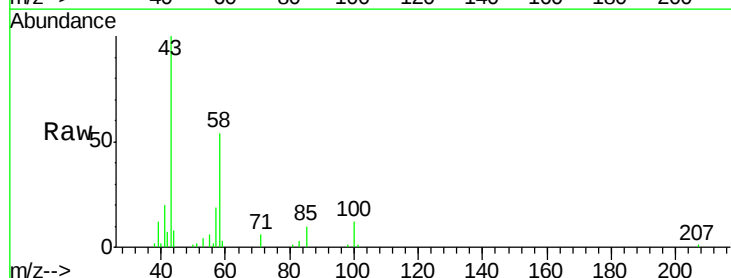
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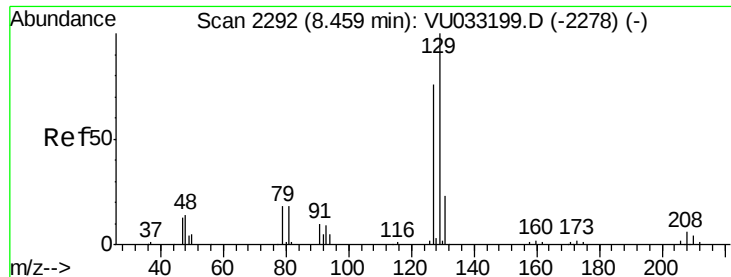
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#54
 2-Hexanone
 Concen: 4.525 ug/l
 RT: 8.35 min Scan# 2258
 Delta R.T. 0.00 min
 Lab File: VU033196.D
 Acq: 11 Jul 2019 17:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.0	35.8	75.8
57	16.7	0.2	40.2





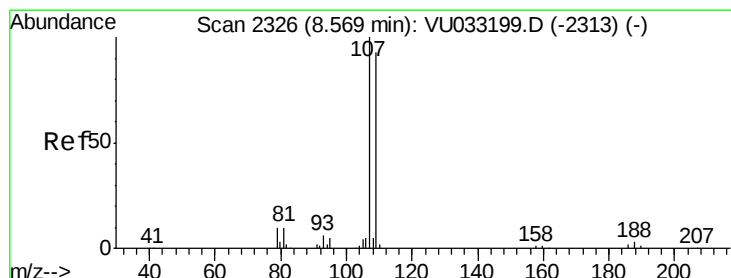
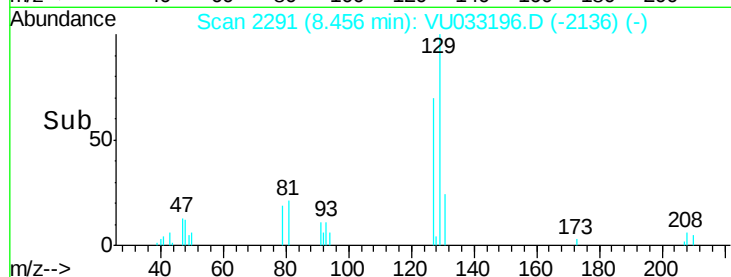
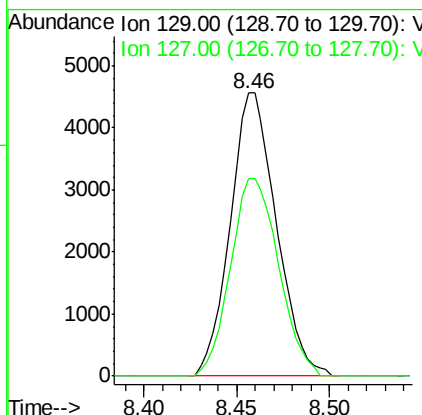
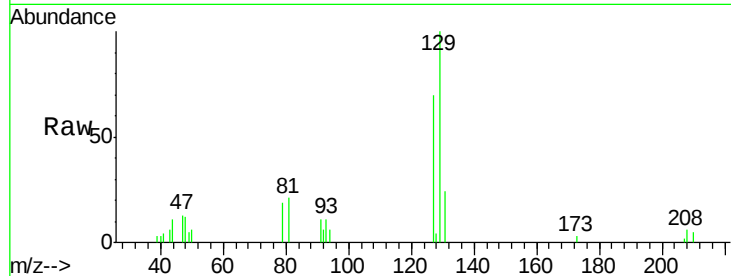
#55
Dibromochloromethane
Concen: 0.887 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:129 Resp: 7876
Ion Ratio Lower Upper
129 100
127 72.7 62.9 94.3

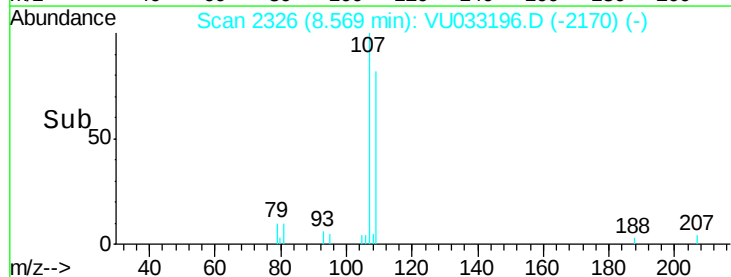
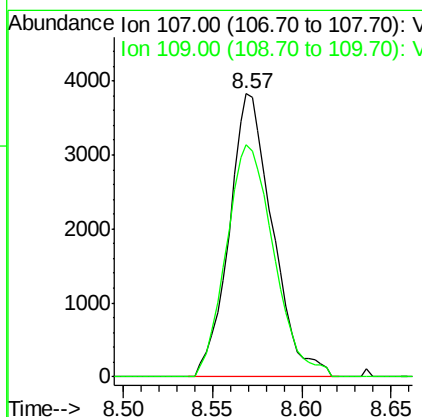
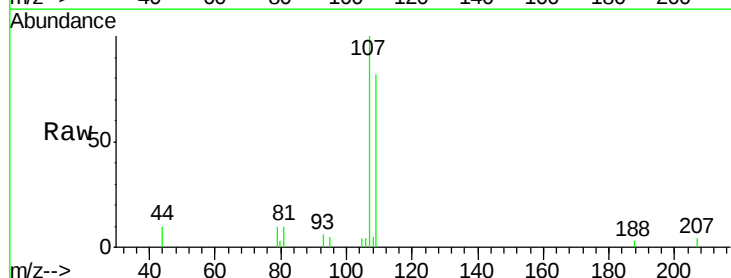
Manual Integrations
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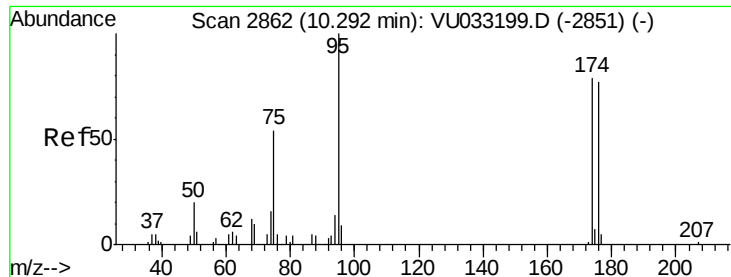
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#56
1,2-Dibromoethane
Concen: 0.928 ug/l
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tgt Ion:107 Resp: 6454
Ion Ratio Lower Upper
107 100
109 89.8 0.0 189.2





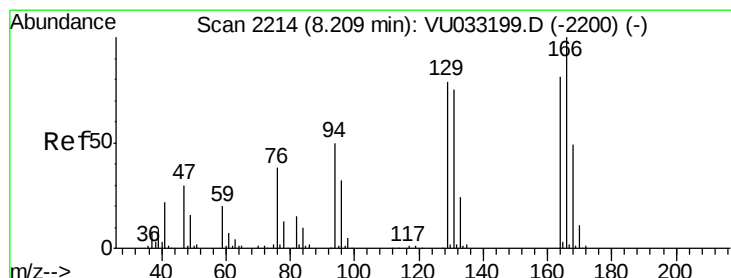
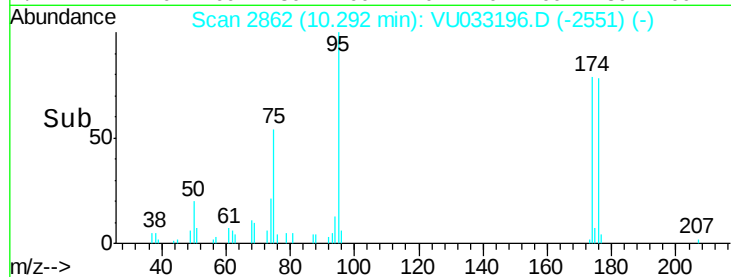
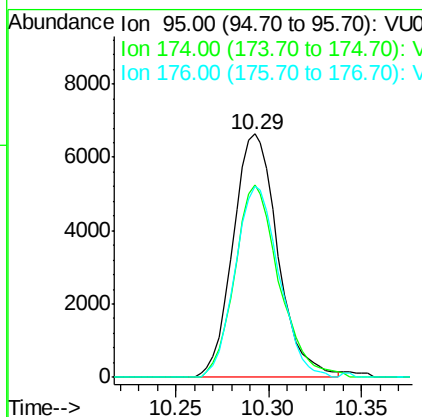
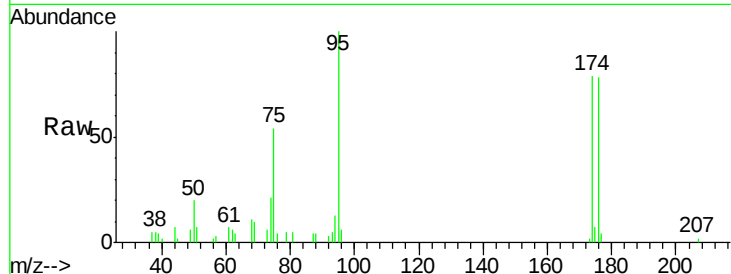
#57
4-Bromofluorobenzene
Concen: 0.920 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tot Ion:	95	Resp:	11127
Ion Ratio	Lower	Upper	
95	100		
174	78.2	63.8	95.8
176	76.9	64.5	96.7

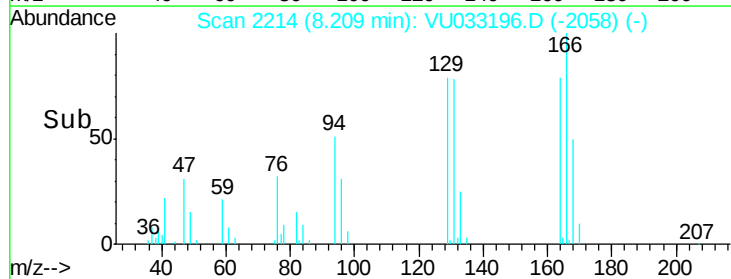
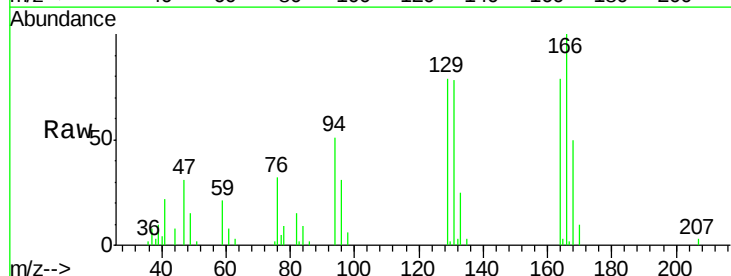
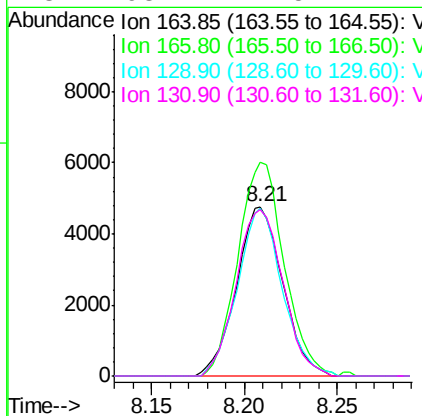
Manual Integrations
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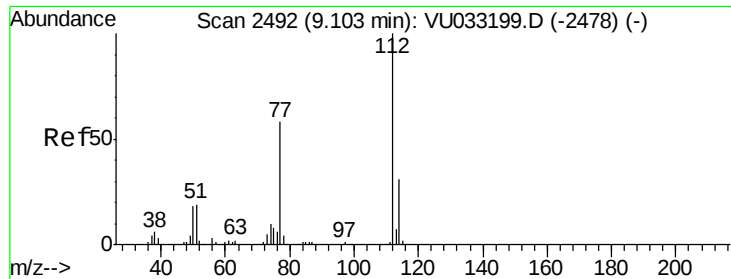
MMDadoda
7/16/2019 4:03:08 PM



#58
Tetrachloroethene
Concen: 0.914 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tgt Ion:	164	Resp:	8251
Ion Ratio	Lower	Upper	
164	100		
166	126.1	99.3	148.9
129	99.0	78.0	117.0
131	98.2	74.5	111.7





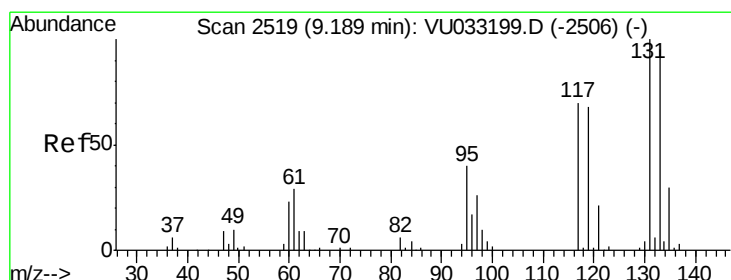
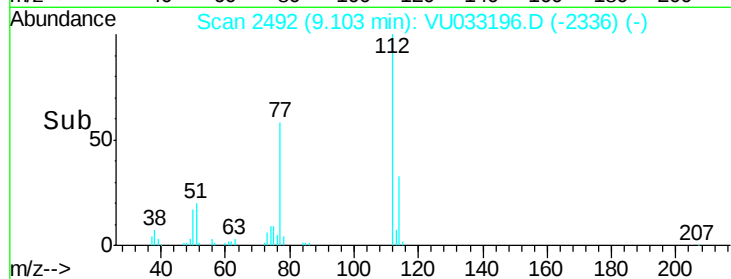
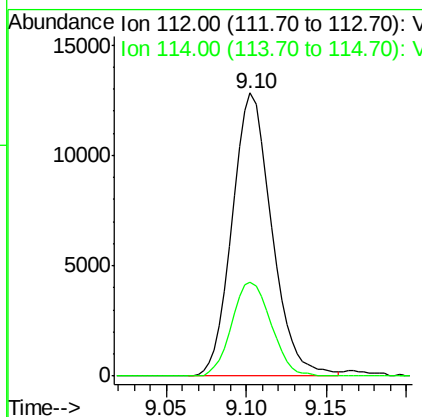
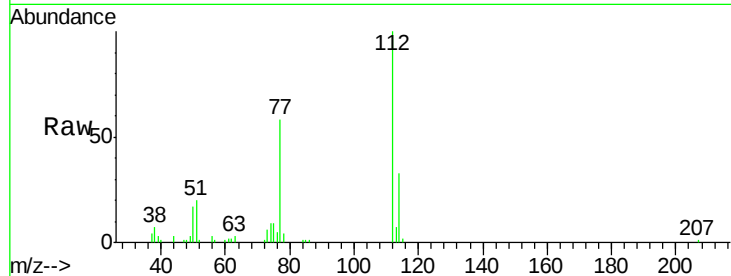
#59
Chlorobenzene
Concen: 0.863 ug/l
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100		21606		
114	33.4	25.1	37.7		

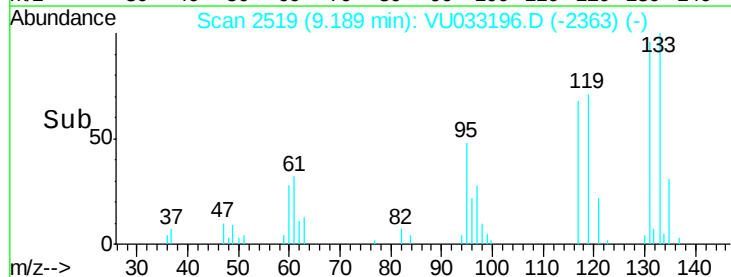
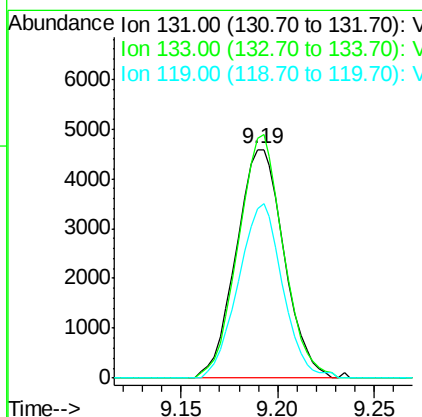
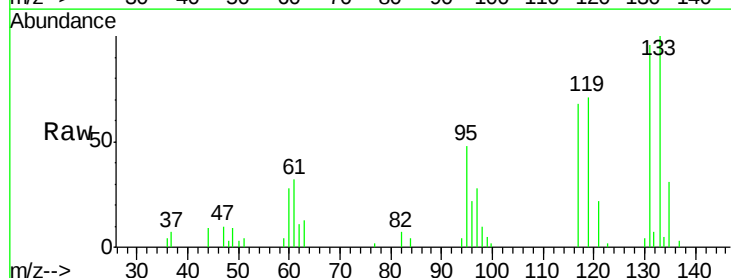
Manual Integrations
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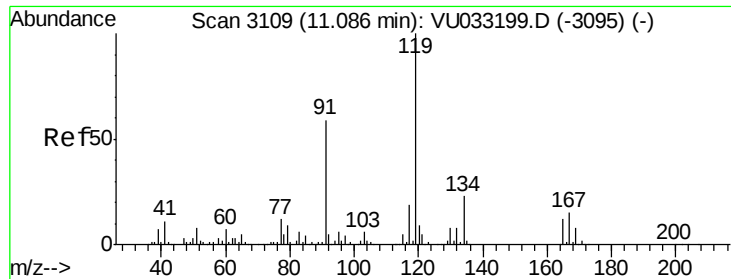
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 0.825 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
131	100		7904		
133	100.3	76.7	115.1		
119	70.4	54.2	81.2		





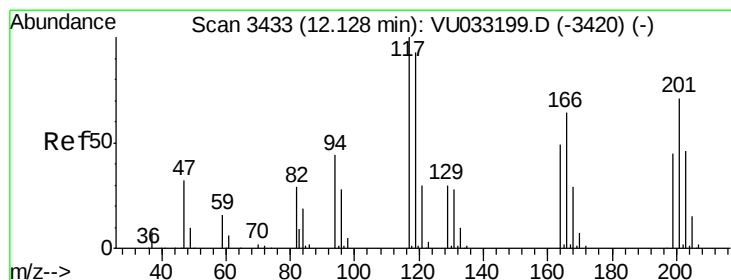
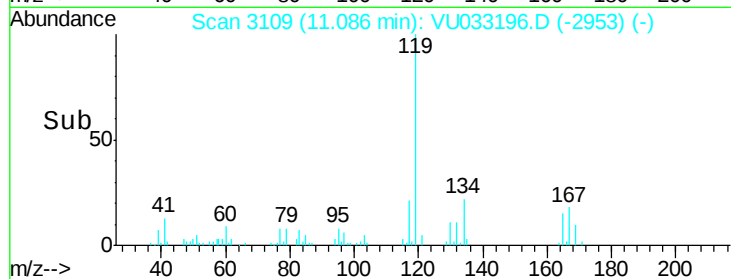
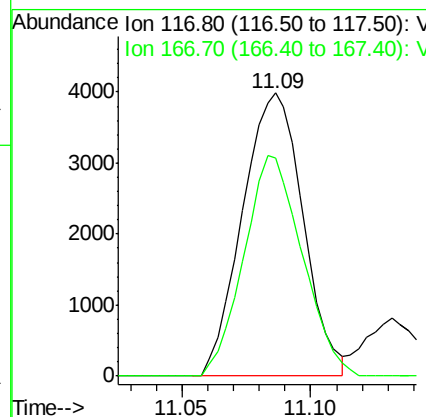
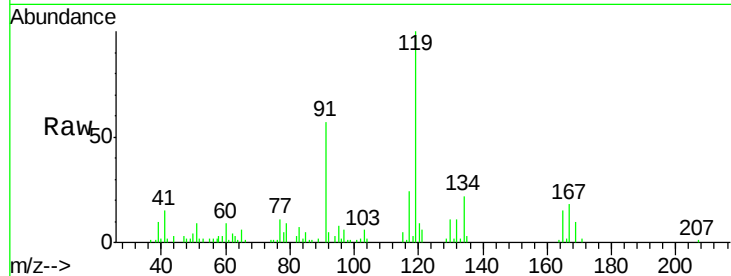
#61
 Pentachloroethane
 Concen: 0.839 ug/l
 RT: 11.09 min Scan# 3109
 Delta R.T. 0.00 min
 Lab File: VU033196.D
 Acq: 11 Jul 2019 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:117 Resp: 6533
 Ion Ratio Lower Upper
 117 100
 167 75.1 63.6 95.4

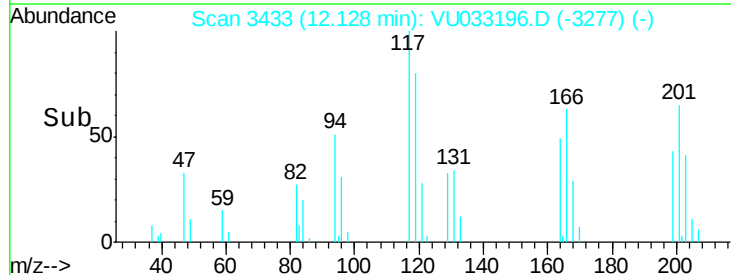
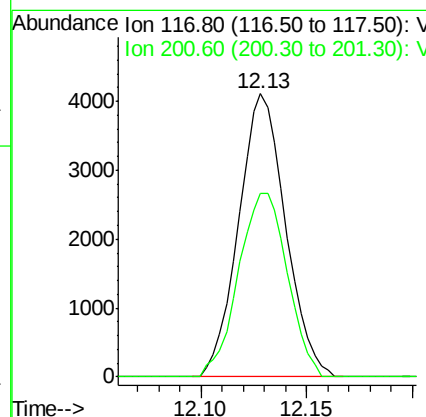
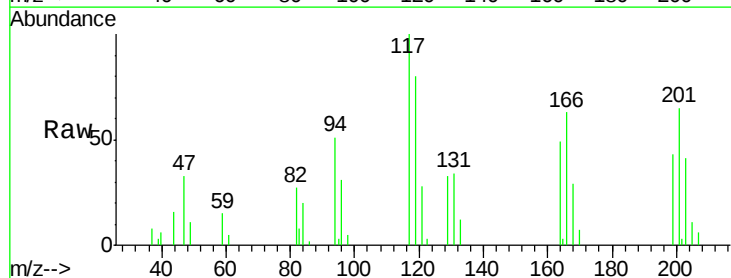
Manual Integrations
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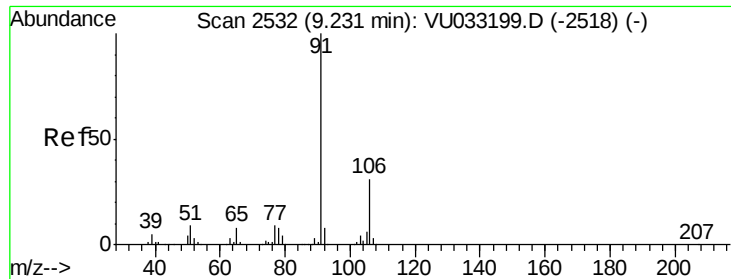
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#62
 Hexachloroethane
 Concen: 0.850 ug/l
 RT: 12.13 min Scan# 3433
 Delta R.T. 0.00 min
 Lab File: VU033196.D
 Acq: 11 Jul 2019 17:20

Tgt Ion:117 Resp: 6352
 Ion Ratio Lower Upper
 117 100
 201 67.6 58.5 87.7





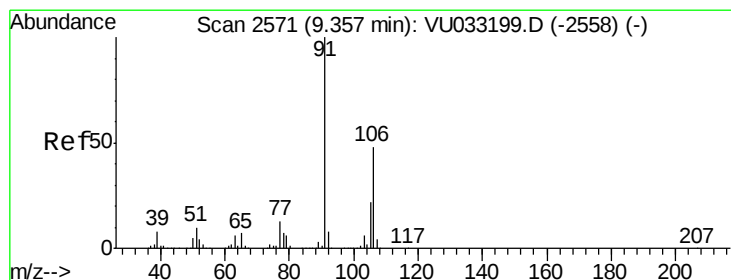
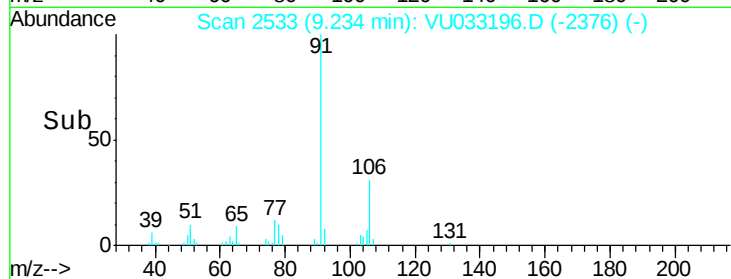
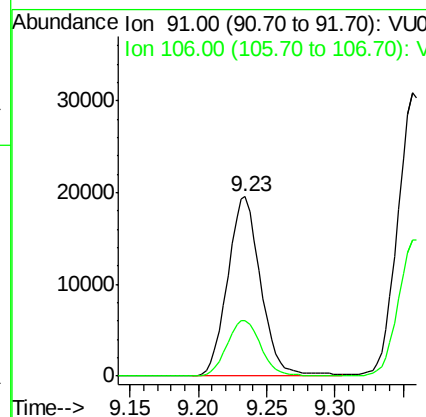
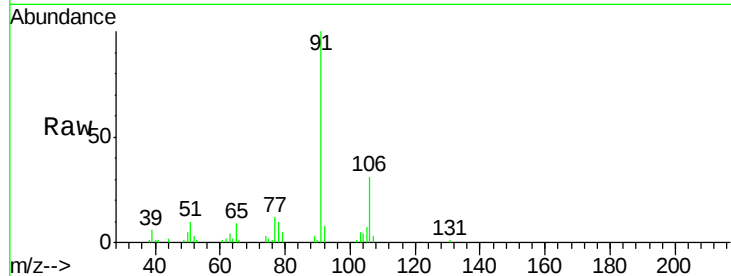
#63
Ethyl Benzene
Concen: 0.800 ug/l
RT: 9.23 min Scan# 2533
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 32994
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3

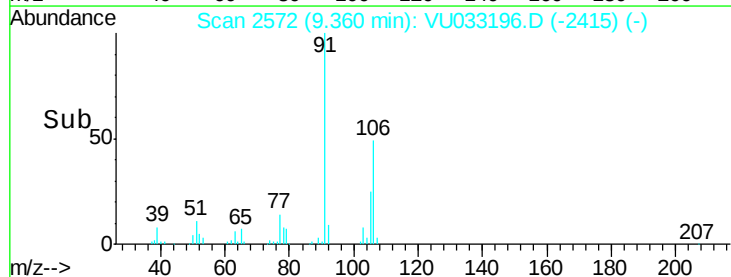
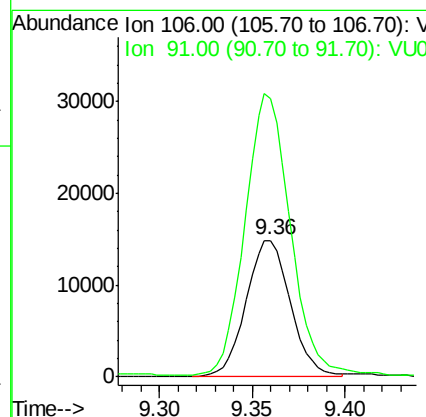
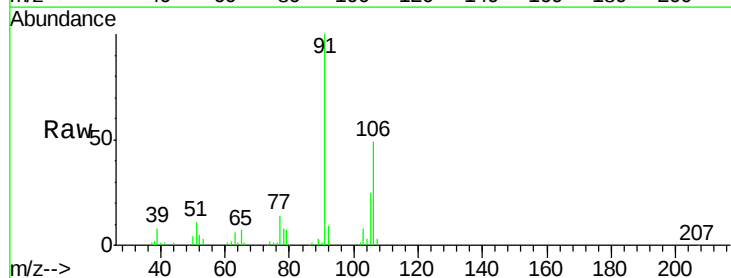
Manual Integrations
APPROVED

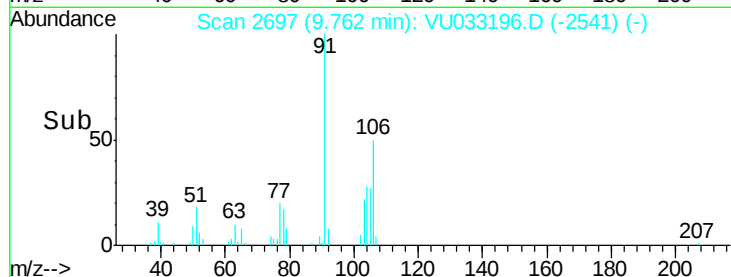
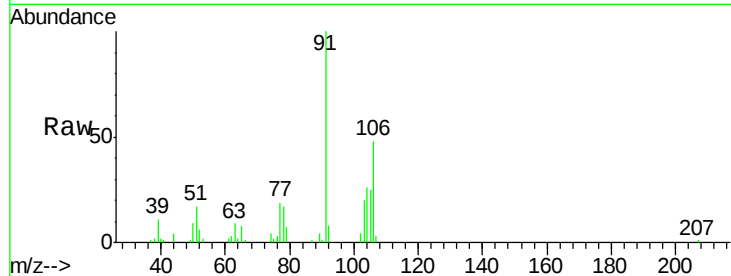
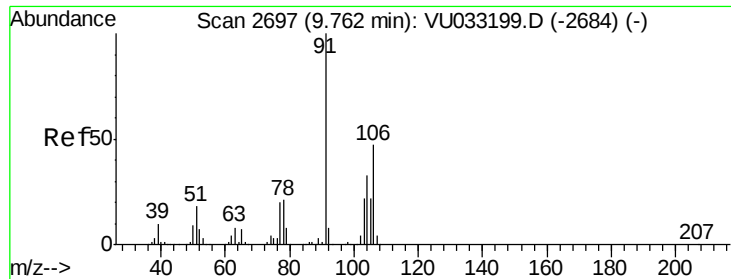
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#64
m/p-Xylenes
Concen: 1.536 ug/l
RT: 9.36 min Scan# 2572
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tgt Ion: 106 Resp: 24683
Ion Ratio Lower Upper
106 100
91 211.5 164.8 247.2





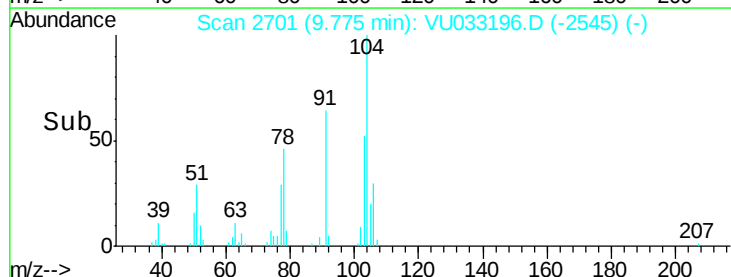
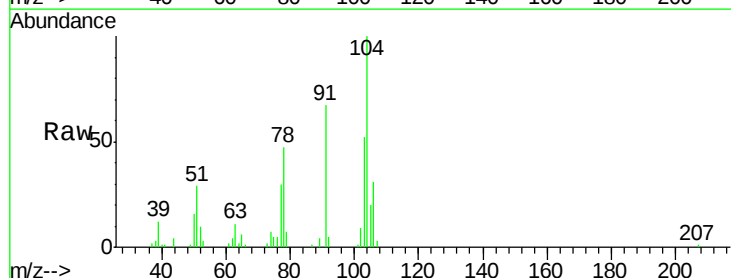
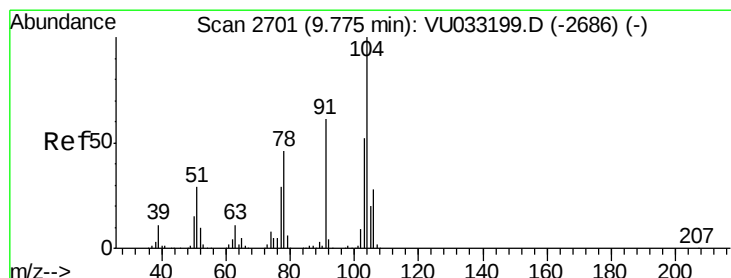
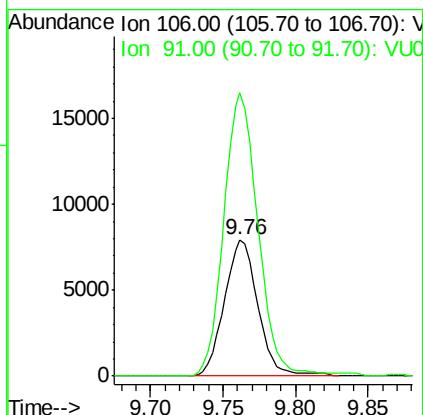
#65
o-Xylene
Concen: 0.828 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tot Ion:106 Resp: 12769
Ion Ratio Lower Upper
106 100
91 211.1 108.6 325.8

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

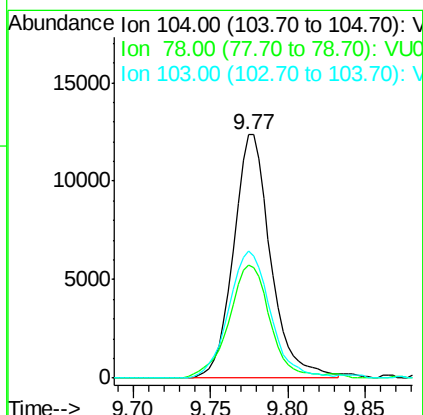
Manual Integrations
APPROVED

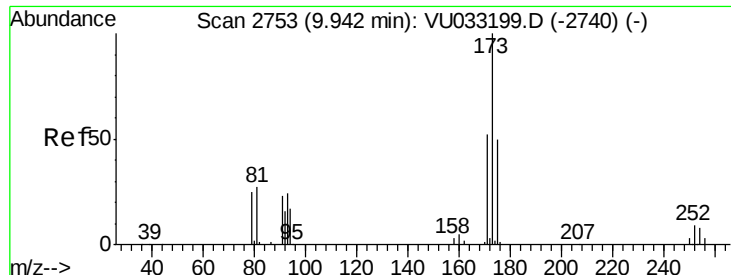
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#66
Styrene
Concen: 0.796 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tgt Ion:104 Resp: 20680
Ion Ratio Lower Upper
104 100
78 51.2 40.4 60.6
103 58.3 44.3 66.5





#67

Bromoform

Concen: 0.871 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

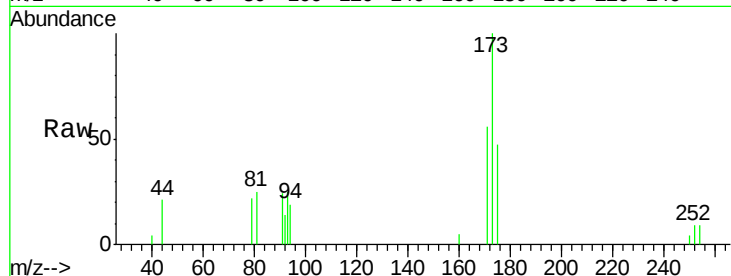
VSTDIC001

Tot Ion:	173	Resp:	4232
Ion Ratio	Lower	Upper	
173	100		
175	47.8	39.4	59.0
254	7.3	6.9	10.3

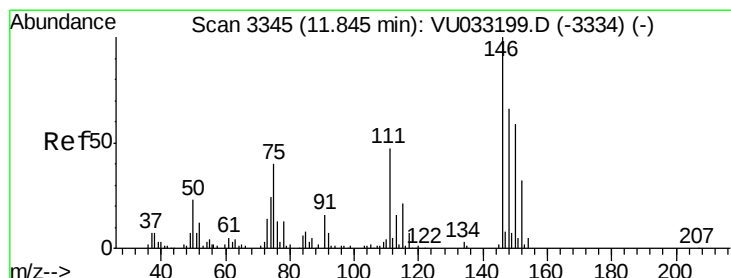
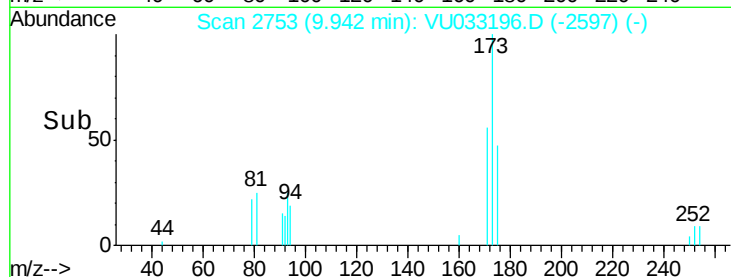
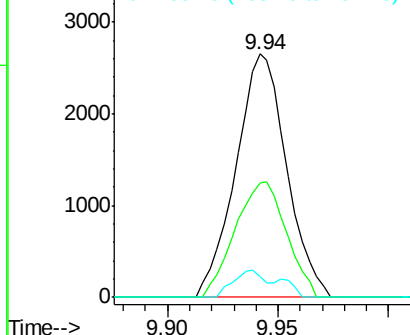
Manual Integrations
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.955 ug/l

RT: 11.84 min Scan# 3344

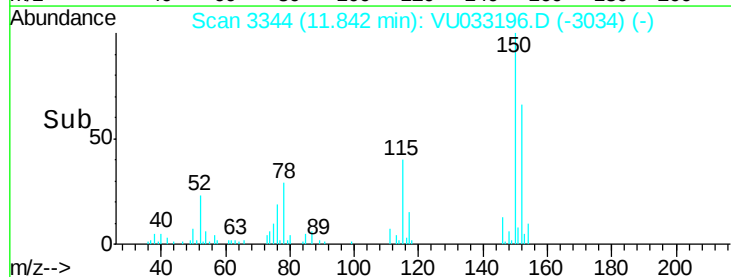
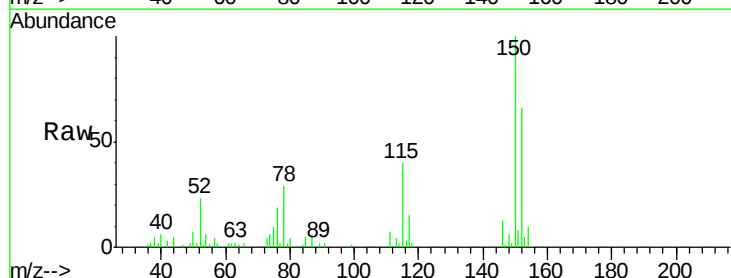
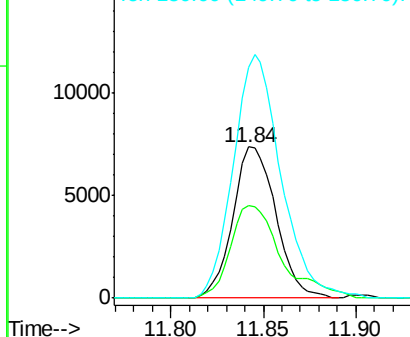
Delta R.T. -0.00 min

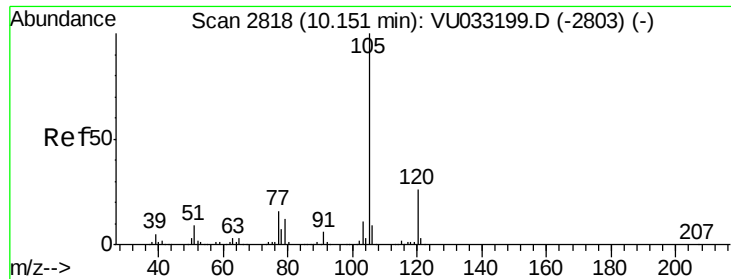
Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Tgt Ion:	152	Resp:	11898
Ion Ratio	Lower	Upper	
152	100		
115	72.0	0.0	131.0
150	178.3	0.0	634.4

Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





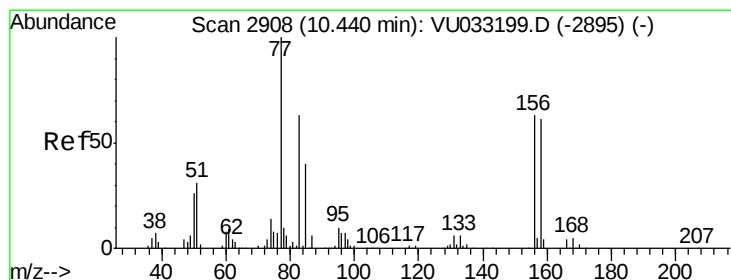
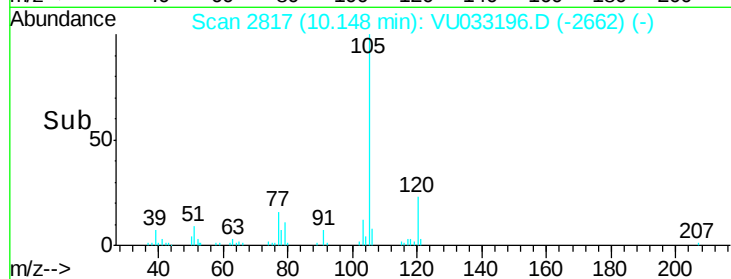
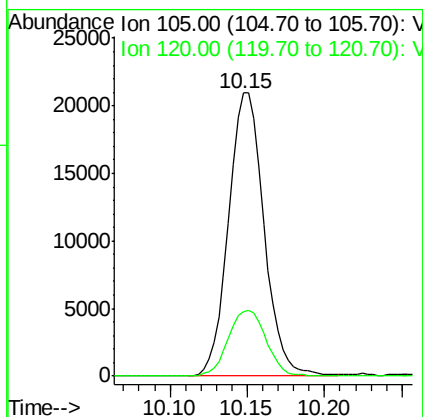
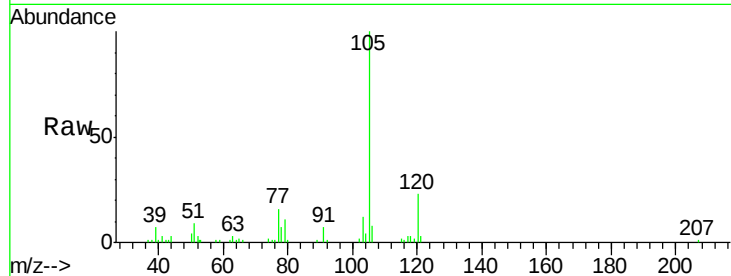
#69
Isopropylbenzene
Concen: 0.827 ug/l
RT: 10.15 min Scan# 2817
Delta R.T. -0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.6	13.2	39.6

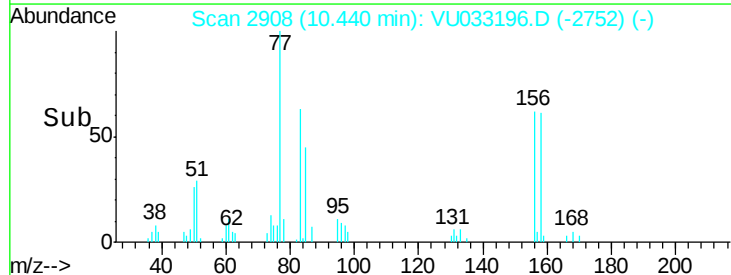
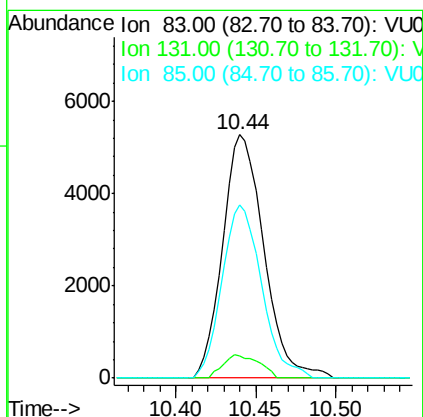
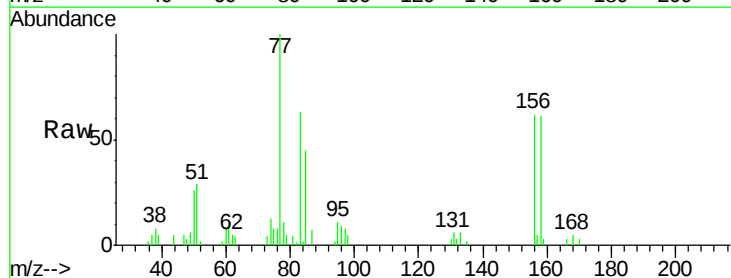
Manual Integrations
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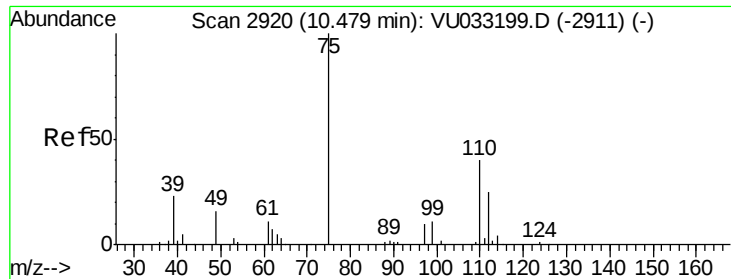
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#70
1,1,2,2-Tetrachloroethane
Concen: 0.925 ug/l
RT: 10.44 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.3	8.0	12.0
85	68.3	50.6	76.0





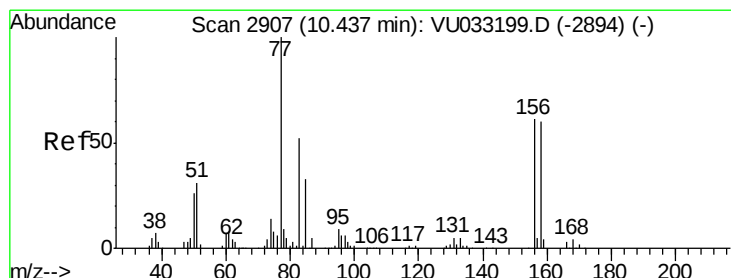
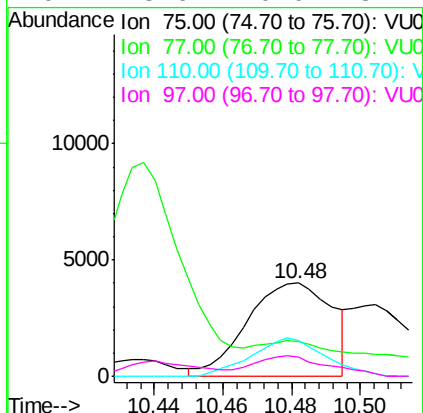
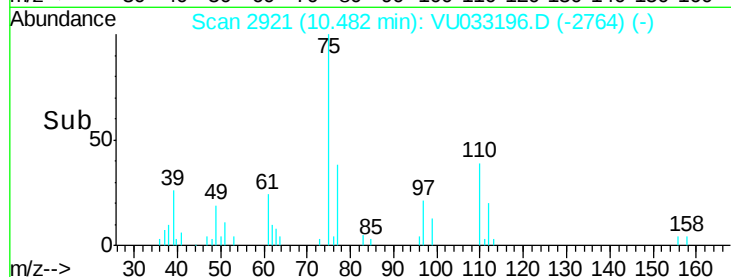
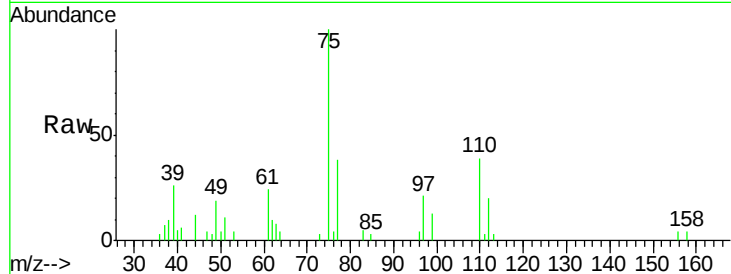
#71
1,2,3-Trichloropropane
Concen: 0.964 ug/l m
RT: 10.48 min Scan# 2921
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	15.4
110	34.8	0.0	72.2
97	18.6	0.0	37.2

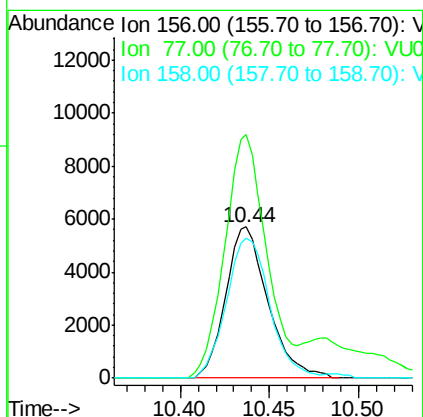
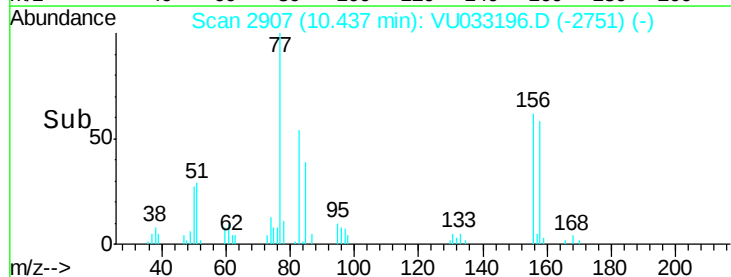
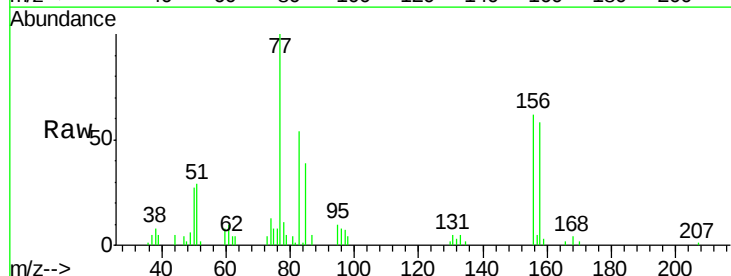
Manual Integrations
APPROVED

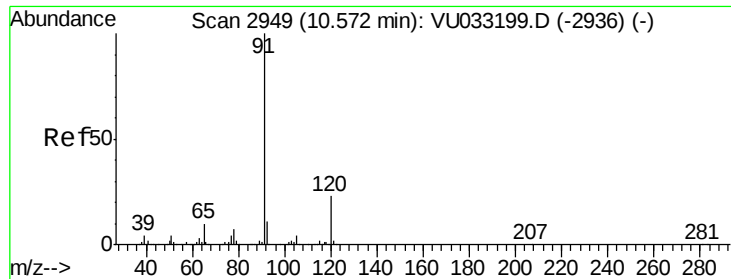
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#72
Bromobenzene
Concen: 0.916 ug/l
RT: 10.44 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tgt Ion	Ratio	Lower	Upper
156	100		
77	159.7	0.0	326.0
158	95.0	0.0	193.2





#73

n-propylbenzene

Concen: 0.830 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:120 Resp: 9294

Ion Ratio Lower Upper

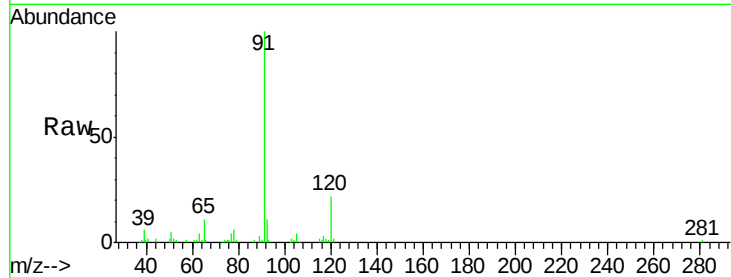
120 100

91 439.6 349.0 523.4

Manual Integrations
APPROVED

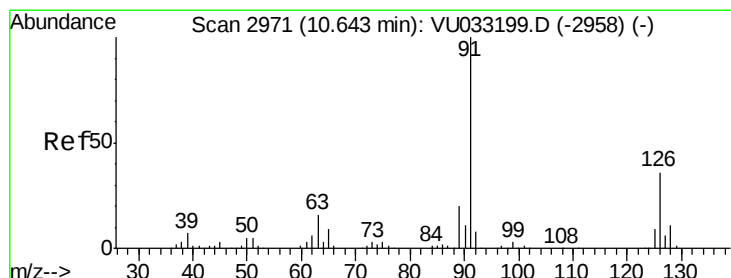
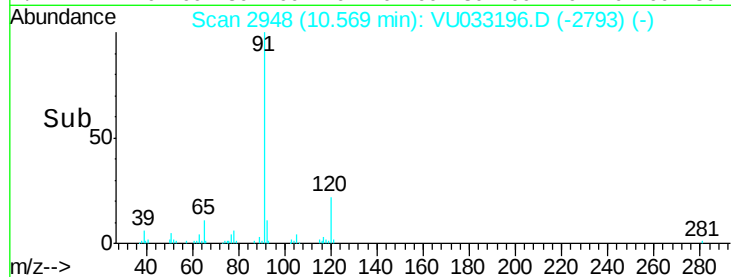
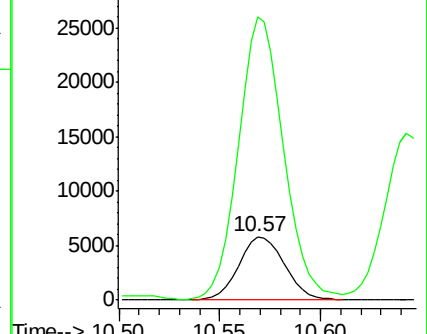
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.842 ug/l

RT: 10.65 min Scan# 2972

Delta R.T. 0.00 min

Lab File: VU033196.D

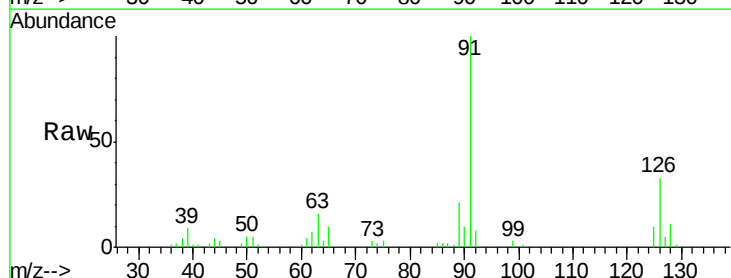
Acq: 11 Jul 2019 17:20

Tgt Ion:126 Resp: 8625

Ion Ratio Lower Upper

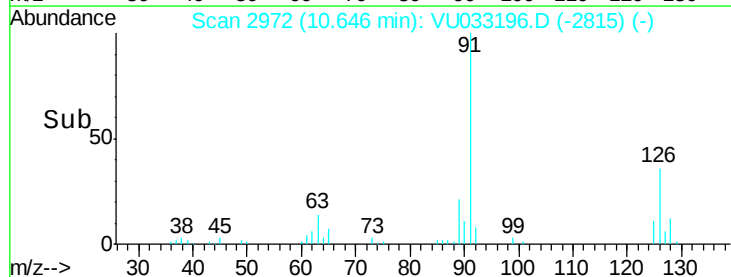
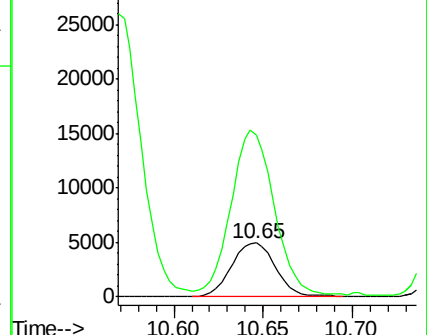
126 100

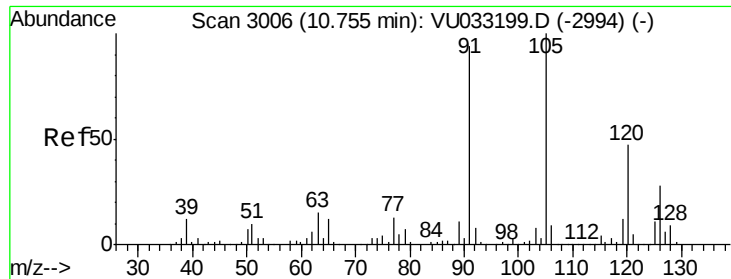
91 295.8 0.0 592.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.751 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 26811

Ion Ratio Lower Upper

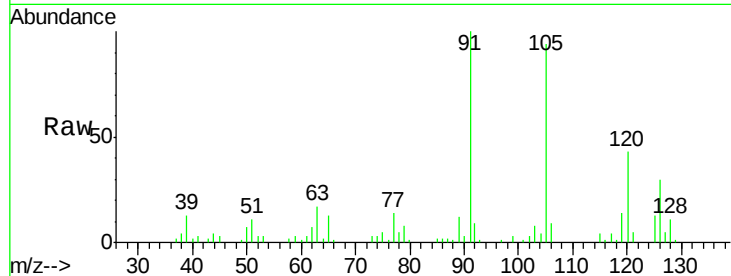
105 100

120 46.9 37.8 56.8

Manual Integrations
APPROVED

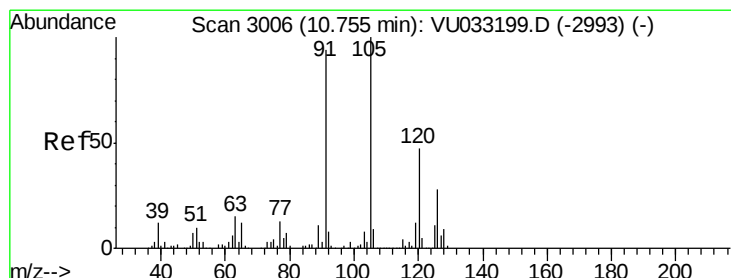
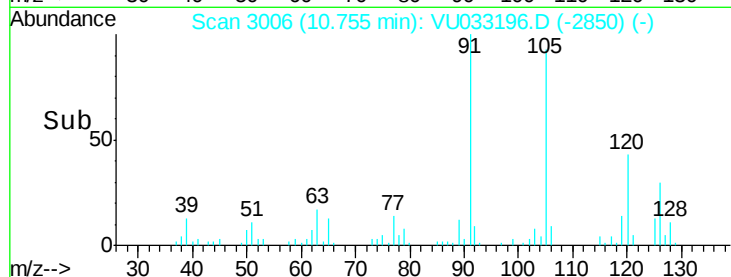
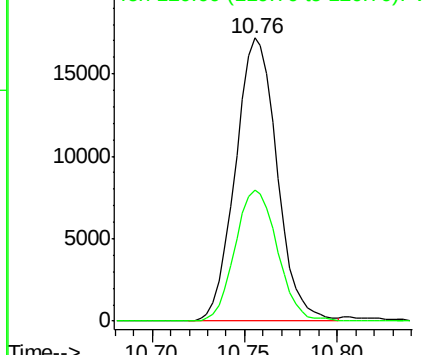
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.801 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033196.D

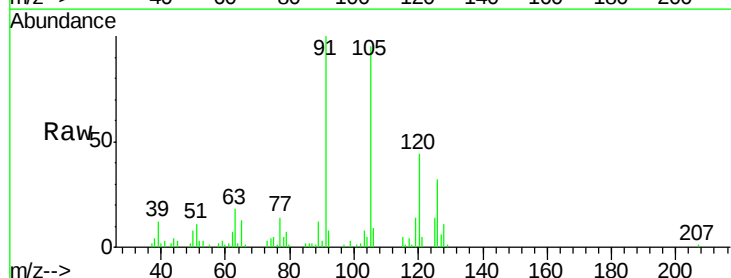
Acq: 11 Jul 2019 17:20

Tgt Ion:126 Resp: 8603

Ion Ratio Lower Upper

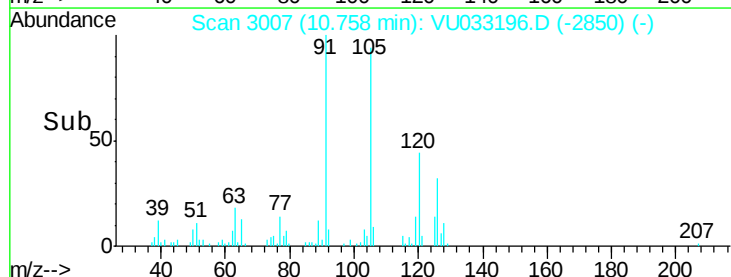
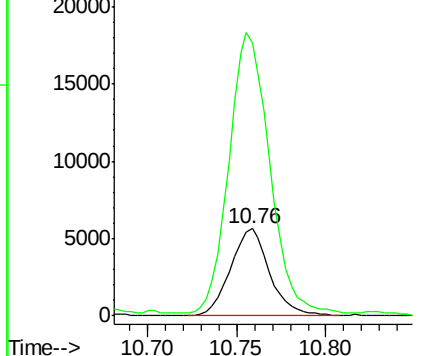
126 100

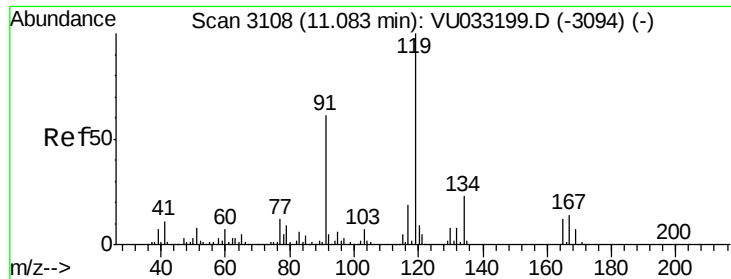
91 332.7 0.0 663.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





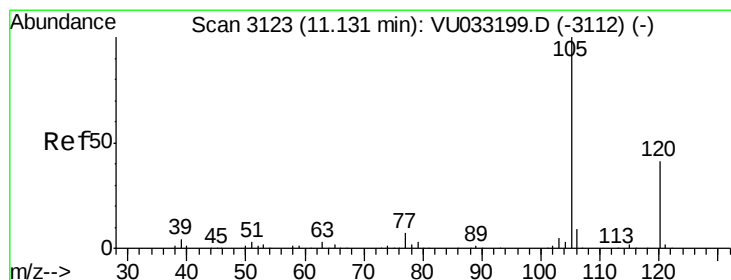
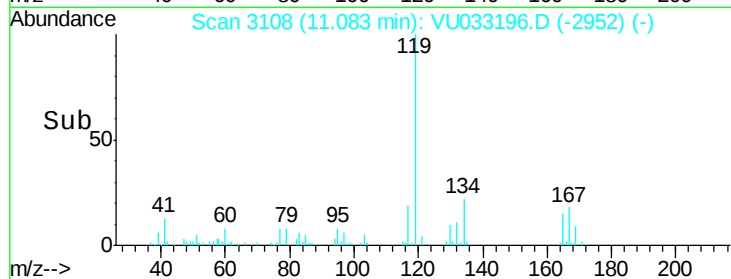
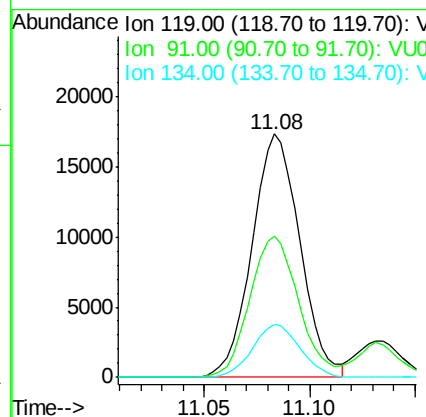
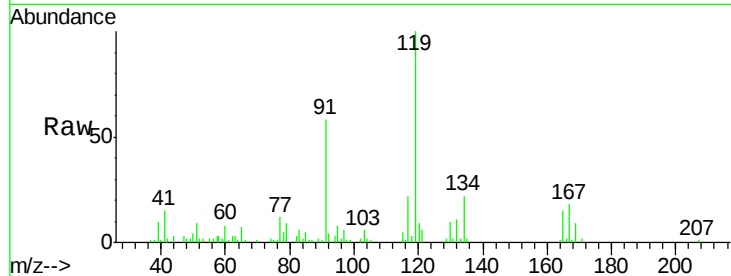
#77
tert-Butylbenzene
Concen: 0.806 ug/l
RT: 11.08 min Scan# 3108
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.8	89.5
134	21.5	18.2	27.4

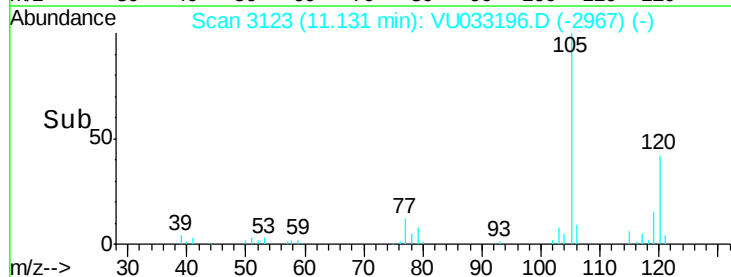
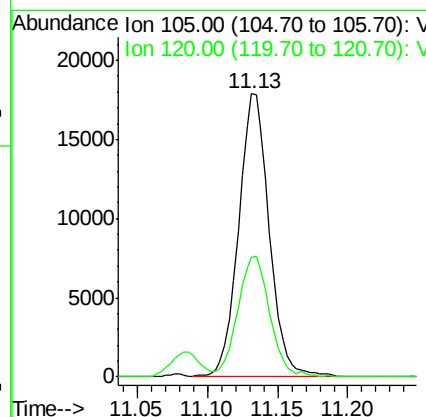
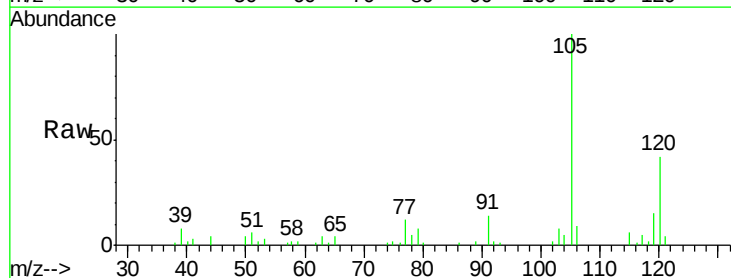
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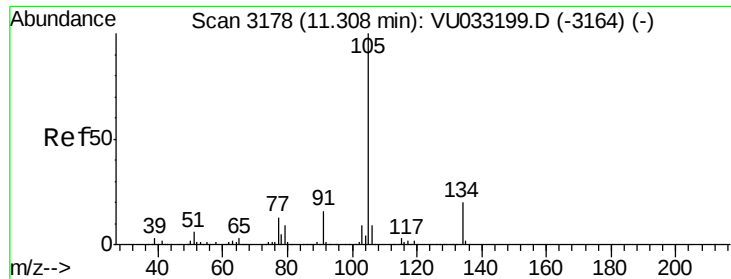
MMDadoda
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#78
1,2,4-Trimethylbenzene
Concen: 0.754 ug/l
RT: 11.13 min Scan# 3123
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.6	67.8





#79

sec-Butylbenzene

Concen: 0.803 ug/l

RT: 11.31 min Scan# 3178

Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 37352

Ion Ratio Lower Upper

105 100

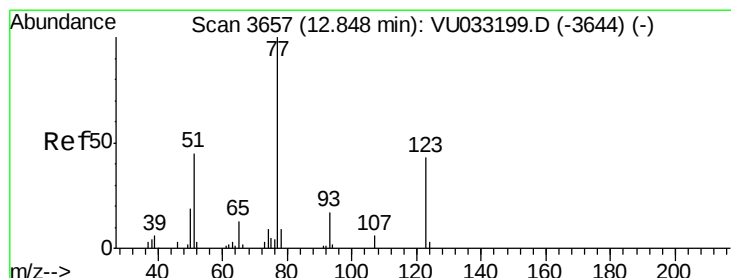
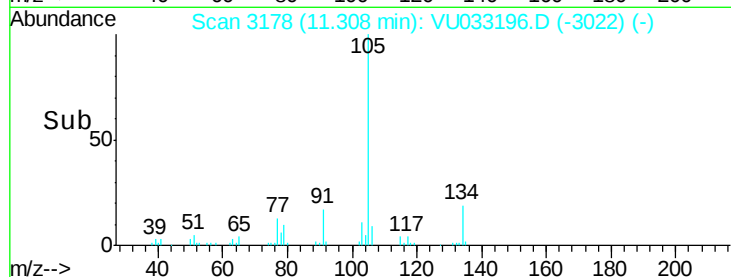
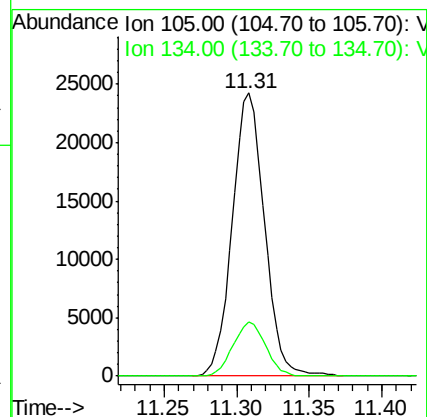
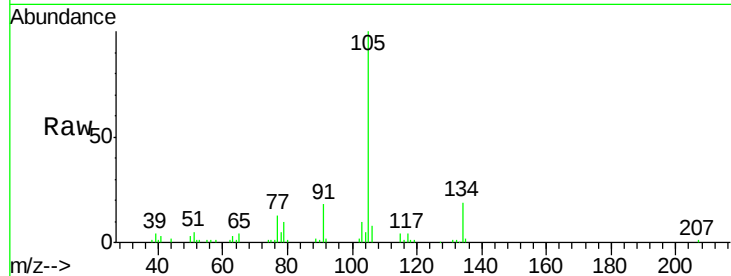
134 19.3 15.8 23.8

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#80

Nitrobenzene

Concen: 4.188 ug/l m

RT: 12.86 min Scan# 3660

Delta R.T. 0.01 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

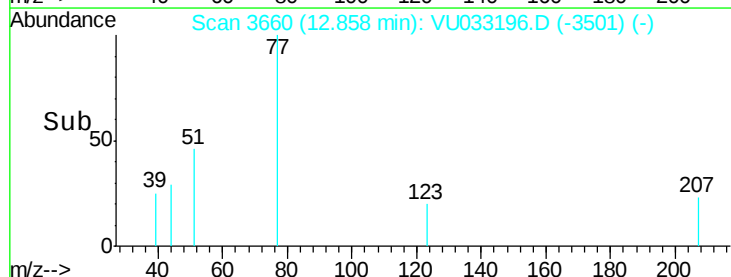
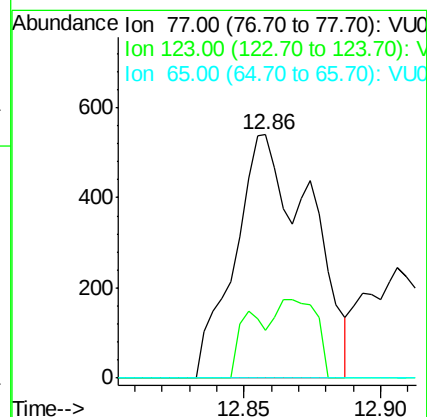
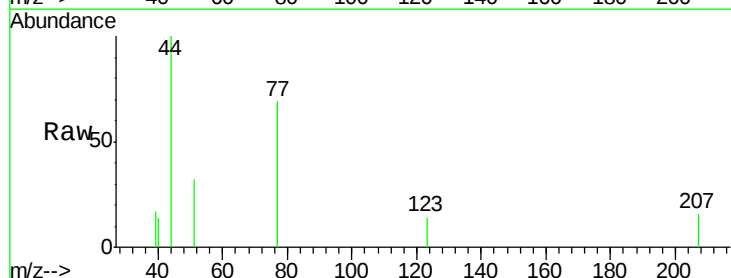
Tgt Ion: 77 Resp: 1042

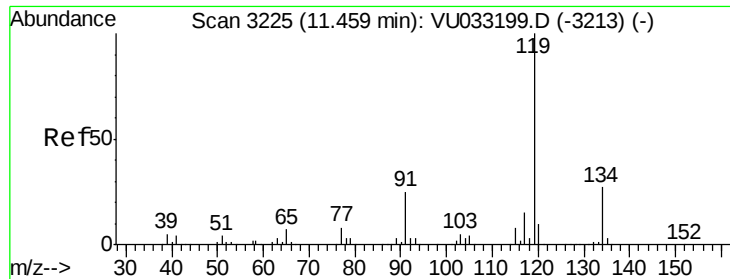
Ion Ratio Lower Upper

77 100

123 9.4 20.9 74.1#

65 0.0 10.7 13.7#





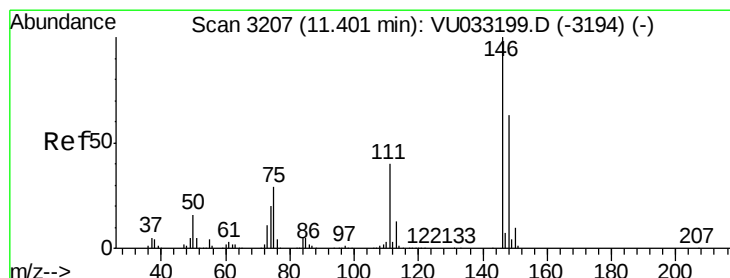
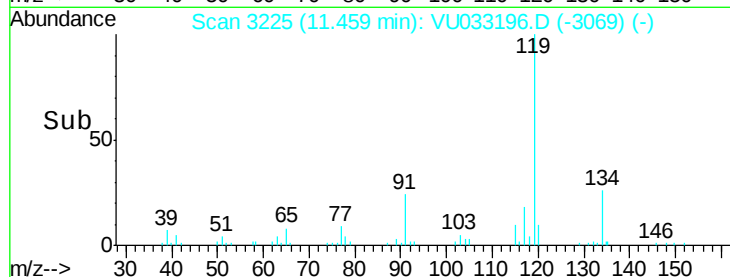
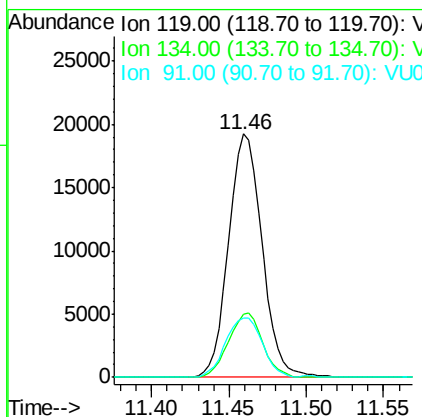
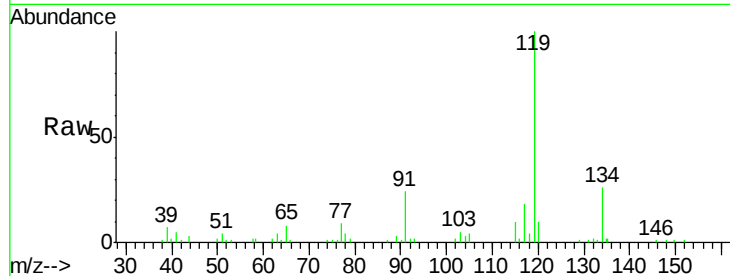
#81
p-Isopropyltoluene
Concen: 0.772 ug/l
RT: 11.46 min Scan# 3225
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	21.1	31.7
91	26.7	19.7	29.5

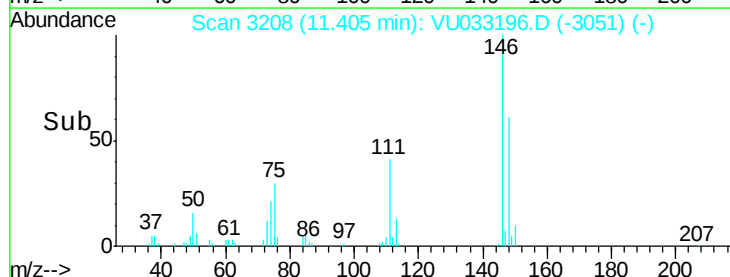
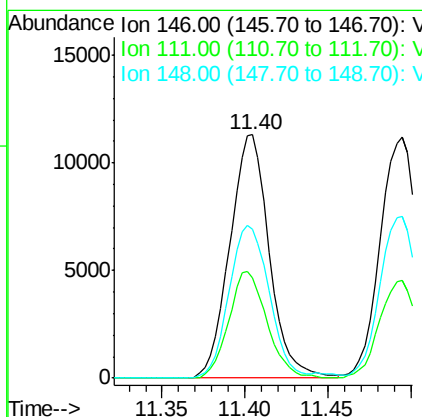
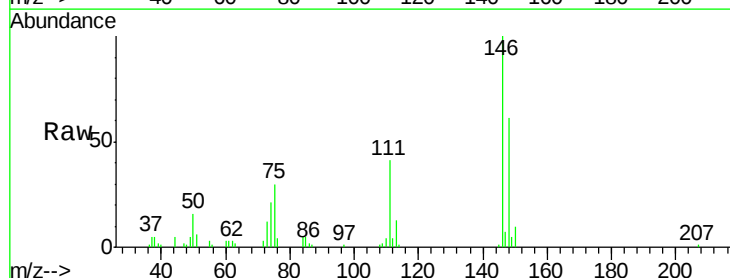
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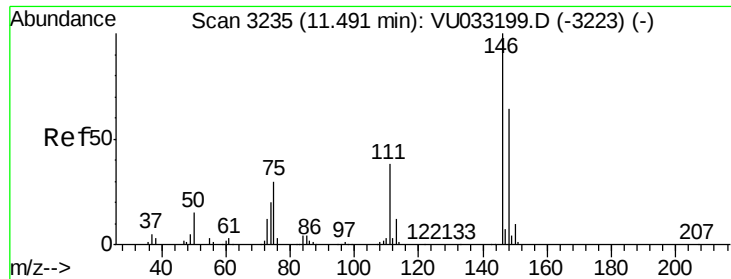
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#82
1,3-Dichlorobenzene
Concen: 0.865 ug/l
RT: 11.40 min Scan# 3208
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	32.2	48.4
148	63.6	50.8	76.2





#83

1,4-Dichlorobenzene

Concen: 0.887 ug/l

RT: 11.49 min Scan# 3236

Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Instrument :

MSVOA_U

ClientSampled :

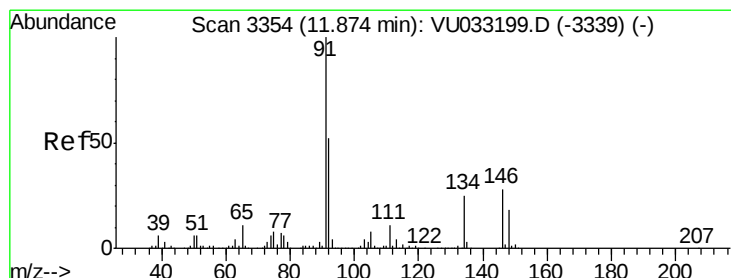
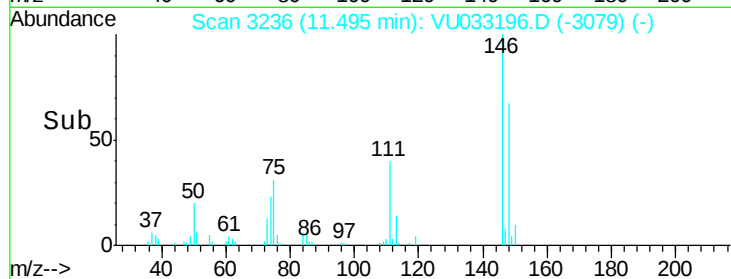
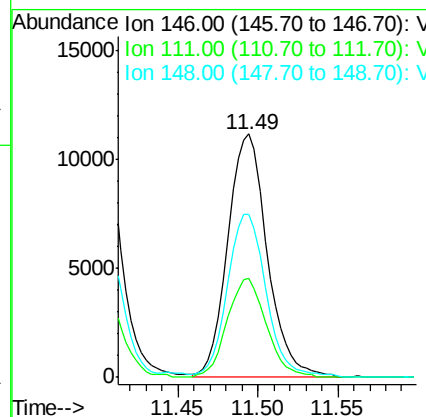
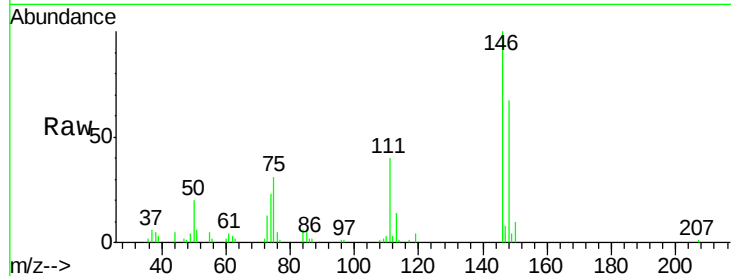
VSTDIC001

Tot Ion:	146	Resp:	18891
Ion Ratio	Lower	Upper	
146	100		
111	40.2	30.8	46.2
148	66.2	50.6	76.0

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#84

n-Butylbenzene

Concen: 0.804 ug/l

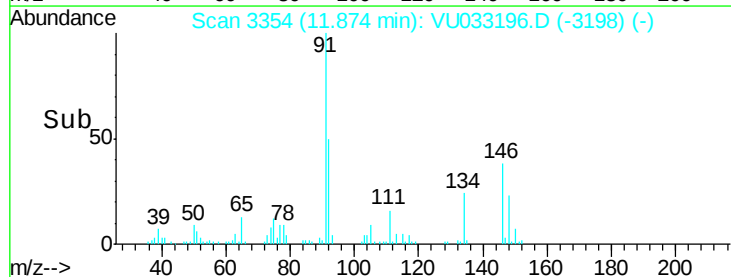
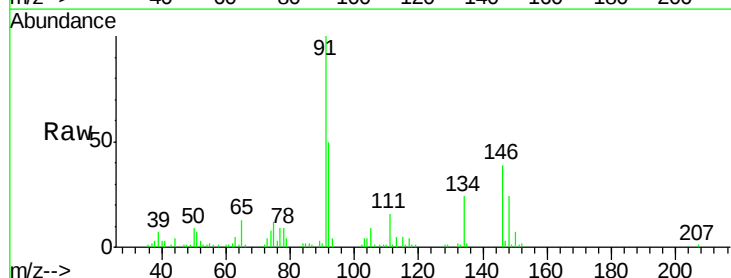
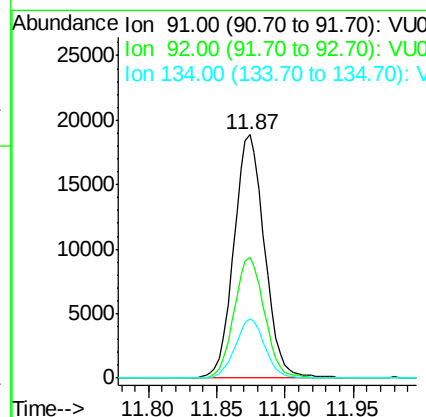
RT: 11.87 min Scan# 3354

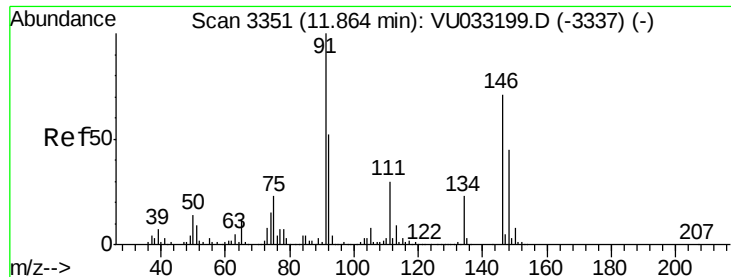
Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Tgt Ion:	91	Resp:	29401
Ion Ratio	Lower	Upper	
91	100		
92	49.0	41.5	62.3
134	23.3	19.6	29.4





#85

1,2-Dichlorobenzene

Concen: 0.930 ug/l

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033196.D

Acq: 11 Jul 2019 17:20

Instrument :

MSVOA_U

ClientSampled :

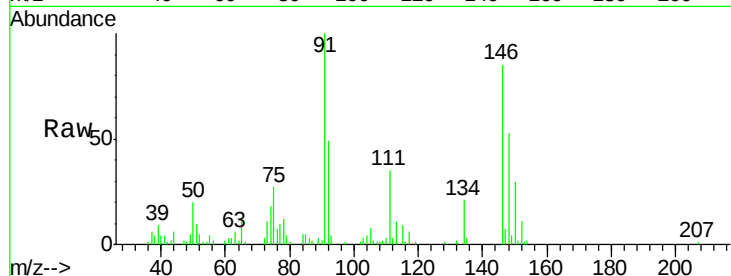
VSTDIC001

Tot Ion:	146	Resp:	18615
Ion Ratio	Lower	Upper	
146	100		
111	41.8	21.3	63.7
148	60.6	32.0	96.0

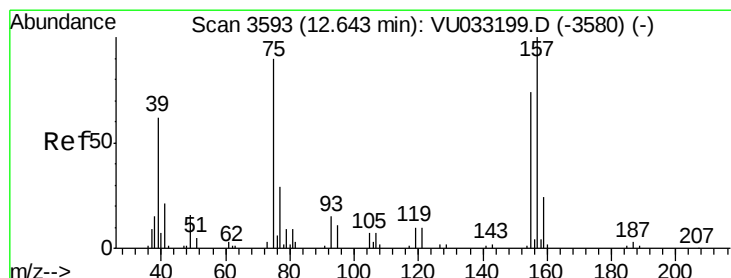
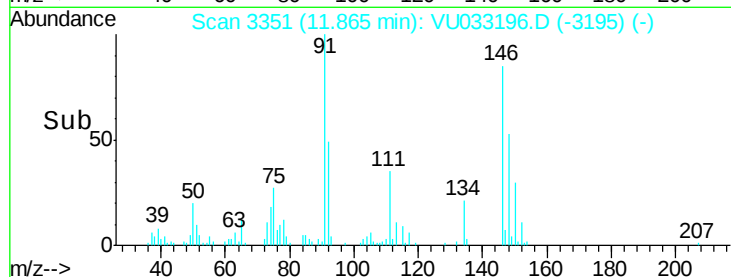
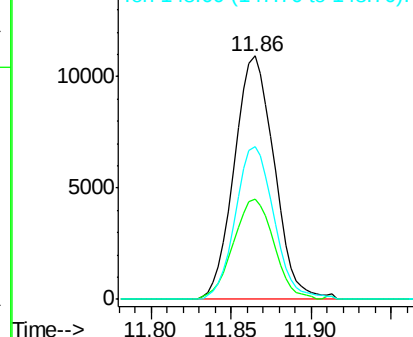
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.866 ug/l

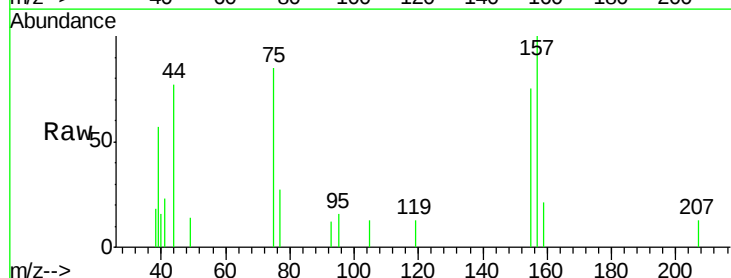
RT: 12.65 min Scan# 3594

Delta R.T. 0.00 min

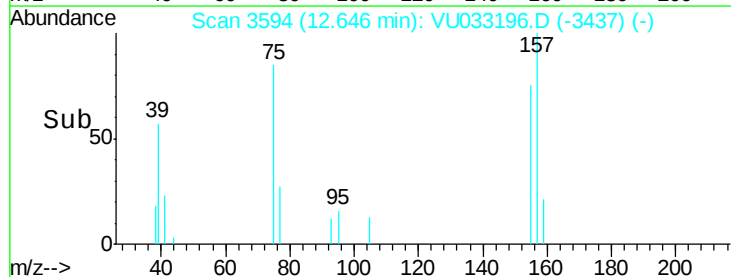
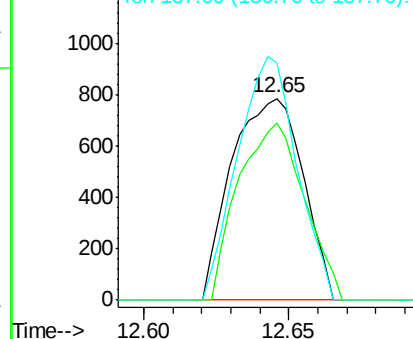
Lab File: VU033196.D

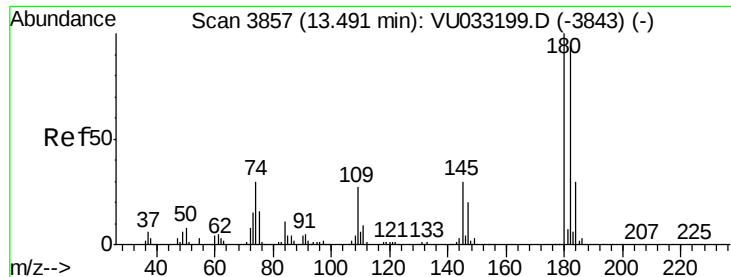
Acq: 11 Jul 2019 17:20

Tgt Ion:	75	Resp:	1345
Ion Ratio	Lower	Upper	
75	100		
155	81.0	60.6	90.8
157	100.7	82.5	123.7



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 155.00 (154.70 to 155.70): V
Ion 157.00 (156.70 to 157.70): V





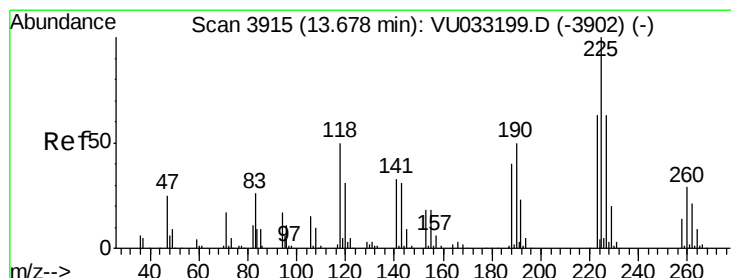
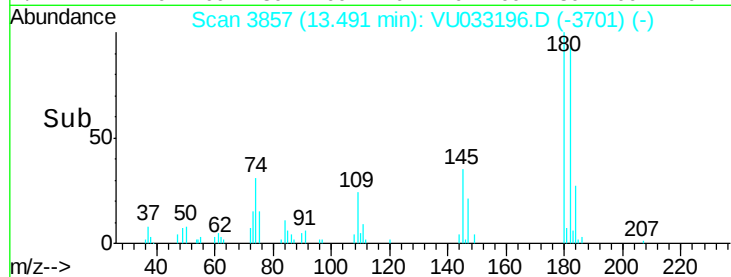
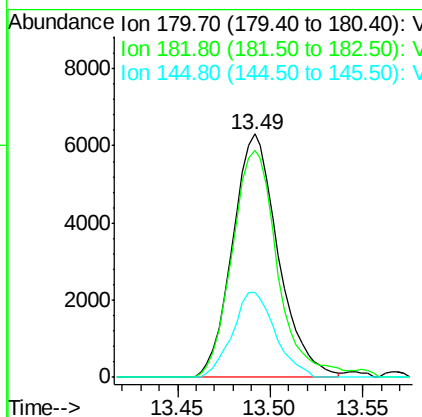
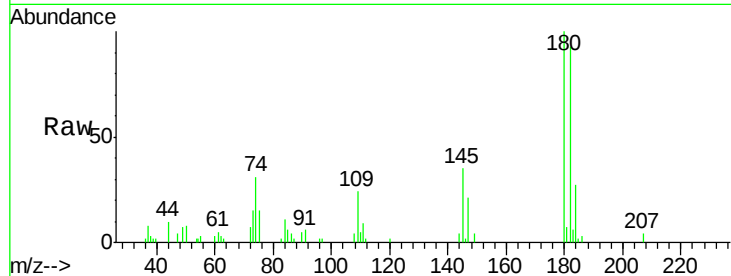
#87
 1,2,4-Trichlorobenzene
 Concen: 0.978 ug/l
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033196.D
 Acq: 11 Jul 2019 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	75.4	113.2
145	32.7	24.5	36.7

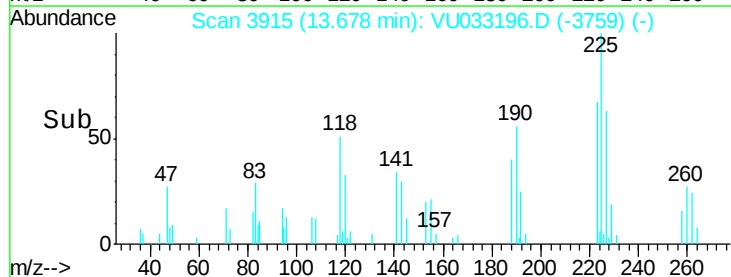
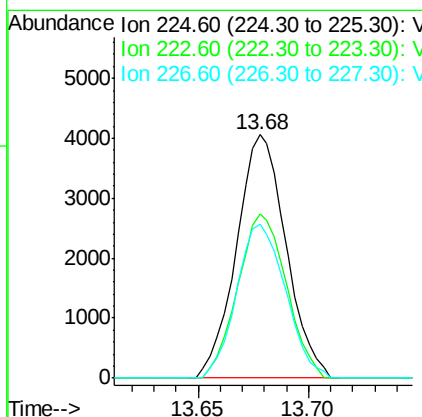
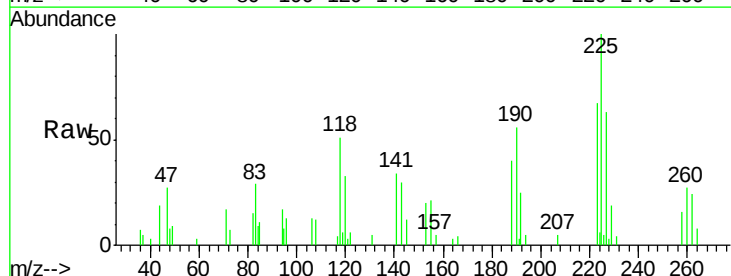
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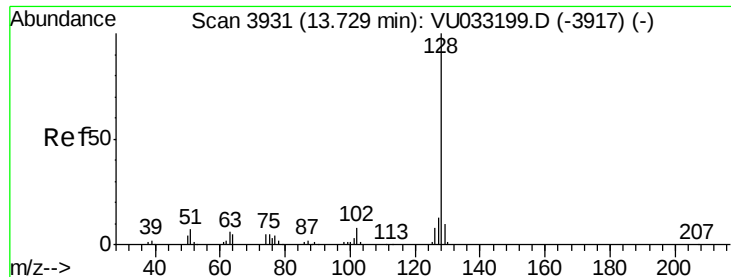
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#88
 Hexachlorobutadiene
 Concen: 0.885 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. 0.00 min
 Lab File: VU033196.D
 Acq: 11 Jul 2019 17:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.2	51.1	76.7
227	62.6	51.2	76.8





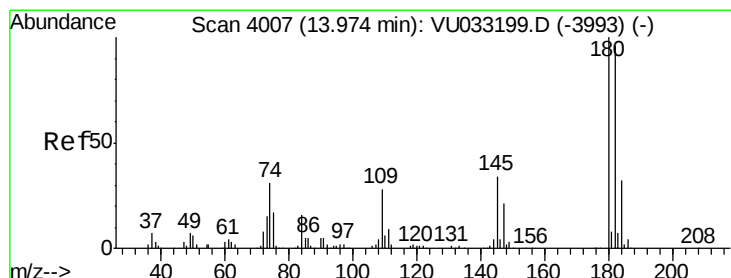
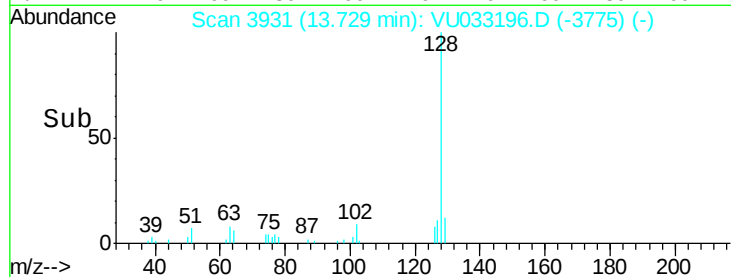
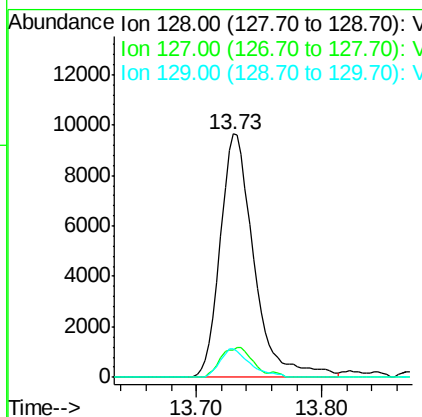
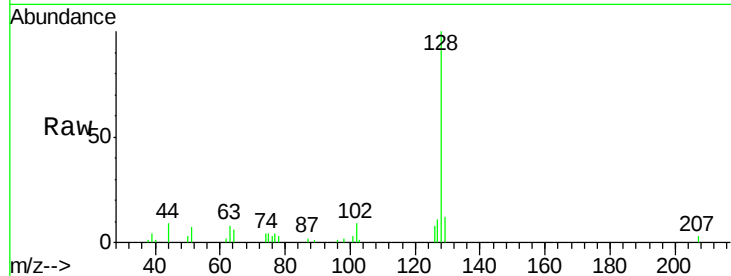
#89
Naphthalene
Concen: 0.976 ug/l
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.4	15.6
129	10.4	8.6	12.8

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#90
1,2,3-Trichlorobenzene
Concen: 0.913 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU033196.D
Acq: 11 Jul 2019 17:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	76.2	114.4
145	34.5	26.6	40.0

