

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121518\
 Data File : VU028687.D
 Acq On : 14 Dec 2018 16:51
 Operator : MD/SY
 Sample : VU1215WBSD02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/17/2018 9:48:49 AM

Quant Time: Dec 15 01:06:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	68669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	123421	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	116378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	53542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	61752	58.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.86%	
35) Dibromofluoromethane	4.88	113	43977	56.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.24%	
50) Toluene-d8	7.57	98	162624	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
62) 4-Bromofluorobenzene	10.30	95	59195	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	16771	18.221	ug/l	98
3) Chloromethane	1.33	50	31656	18.707	ug/l	98
4) Vinyl Chloride	1.40	62	22543	18.460	ug/l	98
5) Bromomethane	1.61	94	9513	19.339	ug/l	98
6) Chloroethane	1.69	64	12941	18.719	ug/l	98
7) Trichlorofluoromethane	1.88	101	24562	19.117	ug/l	100
8) Diethyl Ether	2.10	74	12490	20.778	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	14982	19.497	ug/l	96
10) Methyl Iodide	2.41	142	16082	26.673	ug/l	98
11) Tert butyl alcohol	2.83	59	29473	126.236	ug/l	98
12) 1,1-Dichloroethene	2.28	96	14121	18.470	ug/l	97
13) Acrolein	2.19	56	17714	95.173	ug/l	95
14) Allyl chloride	2.59	41	40520	22.403	ug/l	91
15) Acrylonitrile	2.94	53	74199	114.469	ug/l	98
16) Acetone	2.32	43	67970	99.397	ug/l	97
17) Carbon Disulfide	2.48	76	48685	17.676	ug/l	99
18) Methyl Acetate	2.61	43	45765	25.817	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	62306	21.497	ug/l	100
20) Methylene Chloride	2.70	84	20410	20.247	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	16603	19.287	ug/l	99
22) Diisopropyl ether	3.57	45	78104	22.206	ug/l	98
23) Vinyl Acetate	3.52	43	323970	111.668	ug/l	99
24) 1,1-Dichloroethane	3.44	63	38261	20.781	ug/l	100
25) 2-Butanone	4.26	43	106097	113.532	ug/l	97
26) 2,2-Dichloropropane	4.23	77	29725	20.376	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	19801	20.323	ug/l	97
28) Bromochloromethane	4.55	49	20752	24.794	ug/l	97
29) Tetrahydrofuran	4.64	42	72207	120.309	ug/l	97
30) Chloroform	4.67	83	36437	22.707	ug/l	93
31) Cyclohexane	4.99	56	33955	18.136	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	28461	21.356	ug/l	97
36) 1,1-Dichloropropene	5.13	75	25063	18.557	ug/l	98
37) Ethyl Acetate	4.38	43	38499	22.051	ug/l	98
38) Carbon Tetrachloride	5.13	117	22340	20.522	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	27944	16.960	ug/l	99
40) Benzene	5.39	78	80476	20.232	ug/l	98
41) Methacrylonitrile	4.54	41	22109	23.123	ug/l	96
42) 1,2-Dichloroethane	5.40	62	30253	21.728	ug/l	96
43) Isopropyl Acetate	5.55	43	61384	22.229	ug/l	100
44) Trichloroethene	6.19	130	16953	19.168	ug/l	92
45) 1,2-Dichloropropane	6.43	63	24766	22.141	ug/l	99
46) Dibromomethane	6.56	93	14679	22.117	ug/l	98
47) Bromodichloromethane	6.76	83	28053	21.721	ug/l	99
48) Methyl methacrylate	6.62	41	30837	22.455	ug/l	98
49) 1,4-Dioxane	6.61	88	9759	450.058	ug/l	89
51) 4-Methyl-2-Pentanone	7.46	43	198063	113.718	ug/l	98
52) Toluene	7.64	92	45055	19.246	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	32205	20.938	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	35161	21.070	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	20837	22.517	ug/l	98
56) Ethyl methacrylate	8.02	69	33595	21.200	ug/l	98
57) 1,3-Dichloropropane	8.24	76	35922	20.912	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.12	63	88652	109.222	ug/l	98
59) 2-Hexanone	8.36	43	151906	110.038	ug/l	99
60) Dibromochloromethane	8.48	129	19816	21.872	ug/l	99
61) 1,2-Dibromoethane	8.58	107	21332	21.983	ug/l	99
64) Tetrachloroethene	8.23	164	14259	18.369	ug/l	94
65) Chlorobenzene	9.12	112	47600	19.194	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	17272	21.810	ug/l	99
67) Ethyl Benzene	9.25	91	84495	18.534	ug/l	100
68) m/p-Xylenes	9.37	106	63689	38.394	ug/l	99
69) o-Xylene	9.78	106	30944	19.195	ug/l	97
70) Styrene	9.79	104	50130	18.790	ug/l	98
71) Bromoform	9.96	173	15187	22.544	ug/l #	99
73) Isopropylbenzene	10.16	105	79357	19.315	ug/l	99
74) N-amyl acetate	10.01	43	52166	22.012	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	37230	23.590	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	32558m	23.814	ug/l	
77) Bromobenzene	10.45	156	20044	20.860	ug/l	99
78) n-propylbenzene	10.58	91	95572	18.721	ug/l	98
79) 2-Chlorotoluene	10.66	91	60440	20.553	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	66740	19.624	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	13625m	24.769	ug/l	
82) 4-Chlorotoluene	10.77	91	67887	19.481	ug/l	100
83) tert-Butylbenzene	11.10	119	64780	19.762	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	67824	19.351	ug/l	99
85) sec-Butylbenzene	11.32	105	78727	18.695	ug/l	100
86) p-Isopropyltoluene	11.47	119	64828	18.123	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	35386	19.503	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	36004	19.180	ug/l	98
89) n-Butylbenzene	11.89	91	61574	17.008	ug/l	98
90) Hexachloroethane	12.14	117	11853	21.922	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	35729	19.687	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	7916	23.168	ug/l	97

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VU1215WBSD02

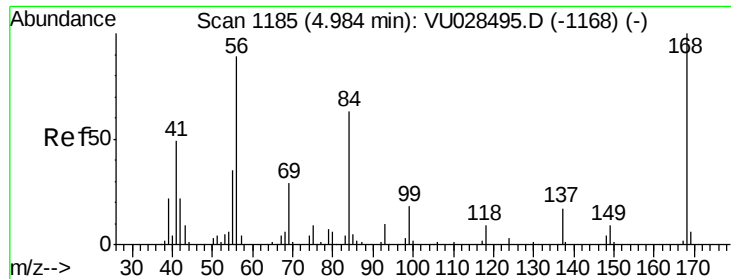
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	21342	17.668	ug/l	99
94) Hexachlorobutadiene	13.69	225	10226	17.201	ug/l	96
95) Naphthalene	13.74	128	78197	17.956	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	22711	18.391	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBSD02

Tgt Ion:168 Resp: 68669

Ion Ratio Lower Upper

168 100

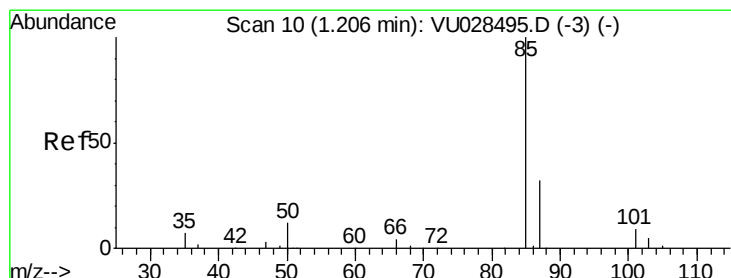
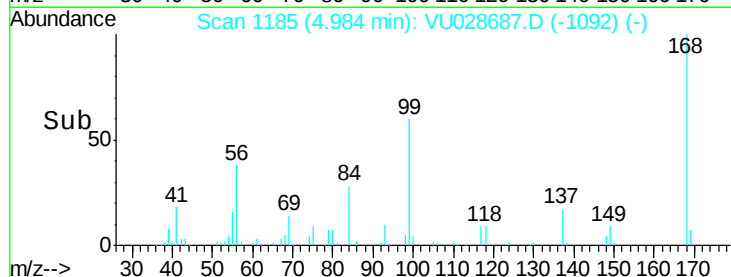
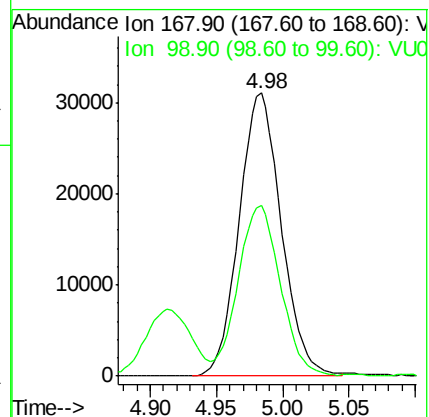
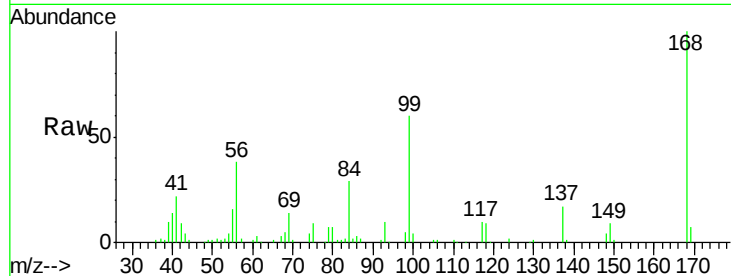
99 59.7 46.6 69.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 18.221 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028687.D

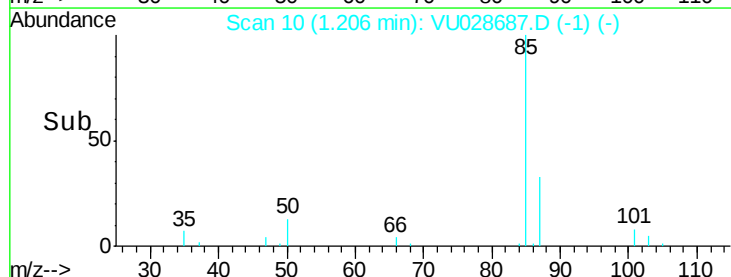
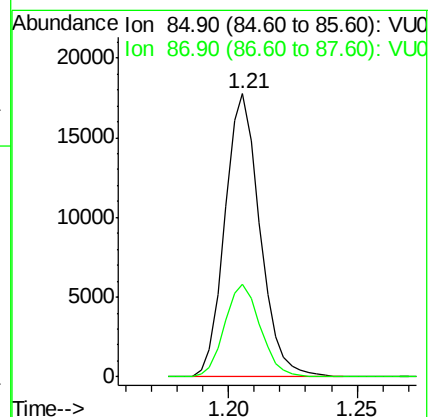
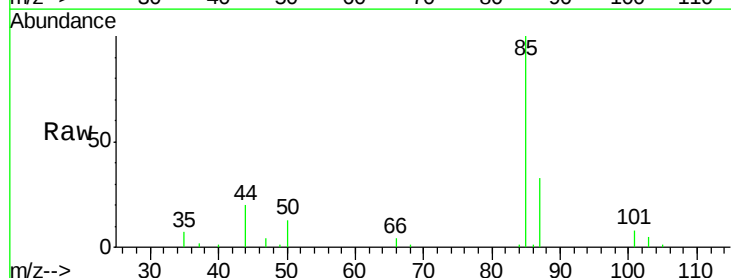
Acq: 14 Dec 2018 16:51

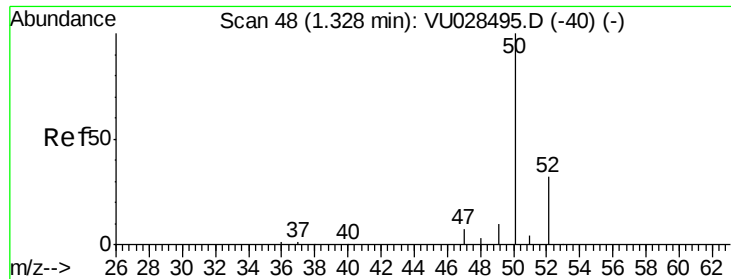
Tgt Ion: 85 Resp: 16771

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.6





#3

Chloromethane

Concen: 18.707 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

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ClientSampleId :

VU1215WBSD02

Tgt Ion: 50 Resp: 31656

Ion Ratio Lower Upper

50 100

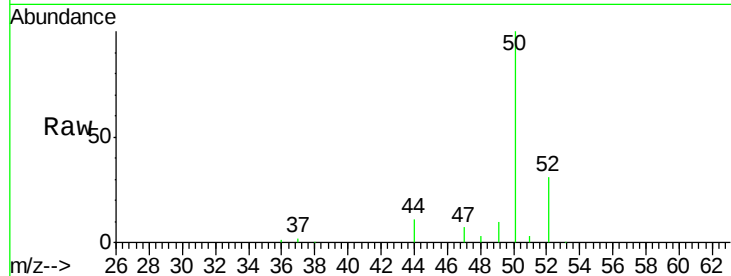
52 30.7 25.5 38.3

Manual Integrations

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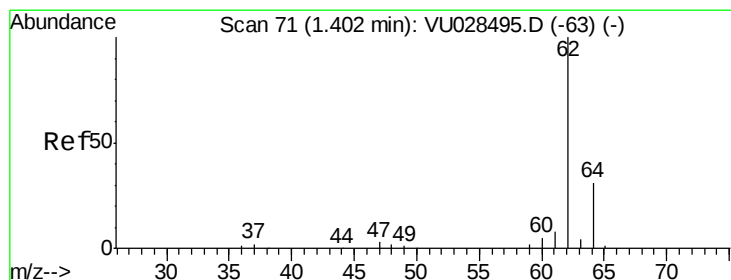
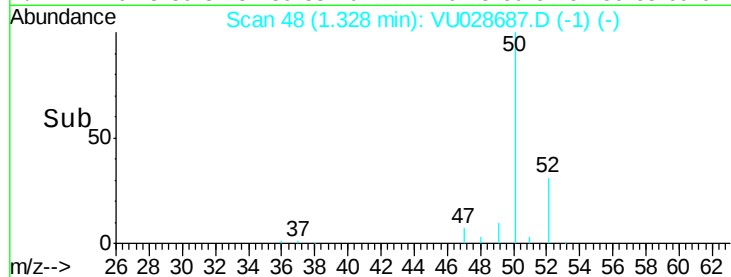
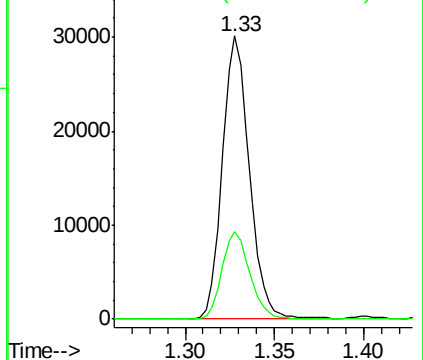
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.460 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028687.D

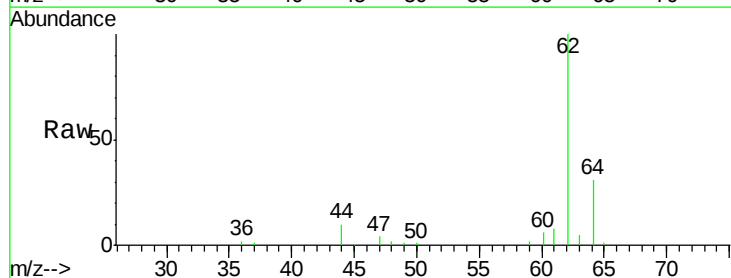
Acq: 14 Dec 2018 16:51

Tgt Ion: 62 Resp: 22543

Ion Ratio Lower Upper

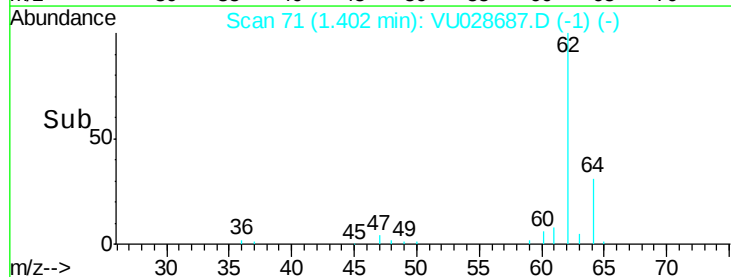
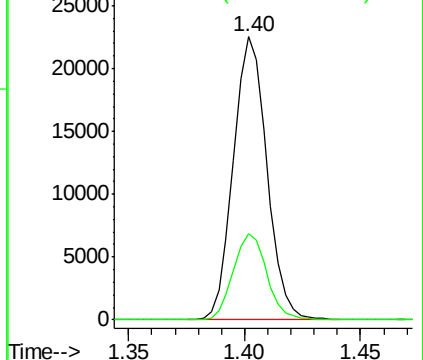
62 100

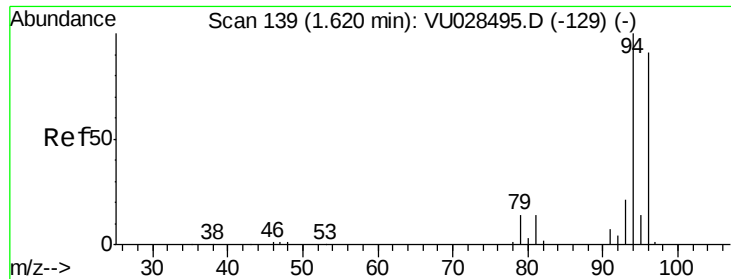
64 30.5 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





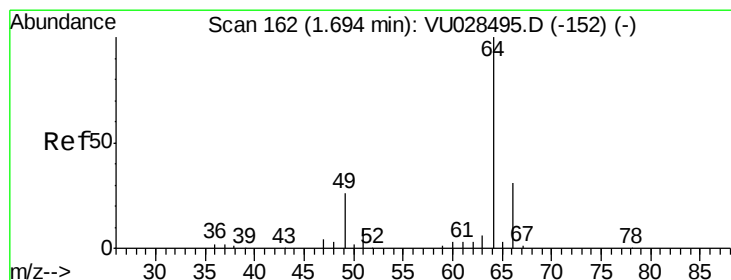
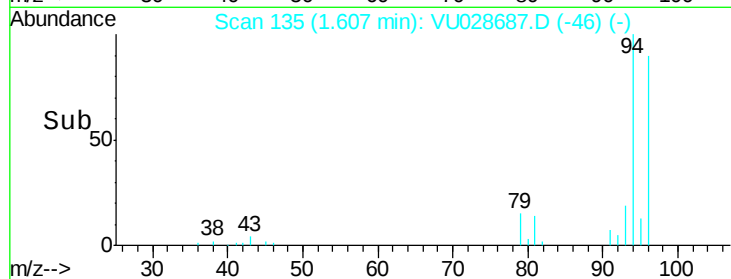
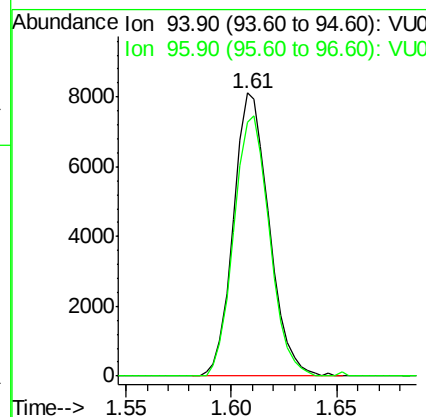
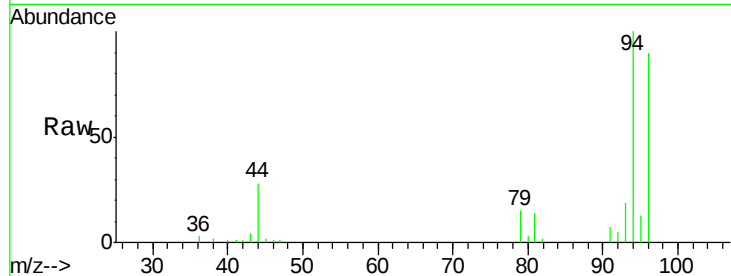
#5
Bromomethane
Concen: 19.339 ug/l
RT: 1.61 min Scan# 135
Delta R.T. -0.01 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

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MSVOA_U
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VU1215WBSD02

Tgt Ion: 94 Resp: 9513
Ion Ratio Lower Upper
94 100
96 89.8 73.2 109.8

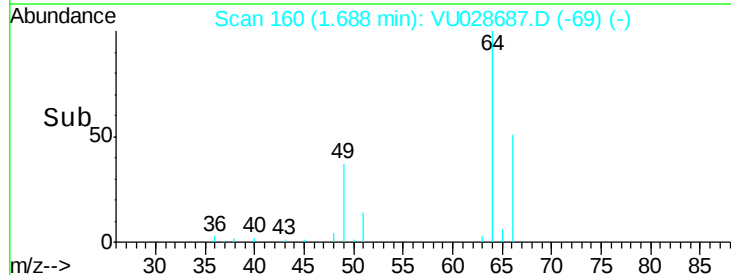
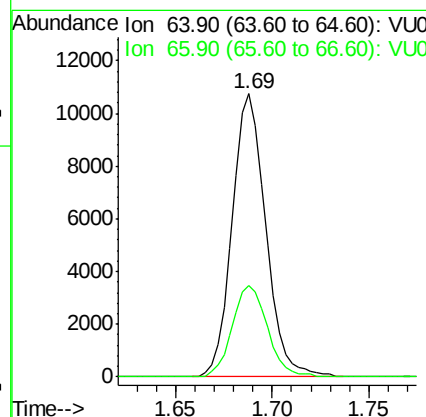
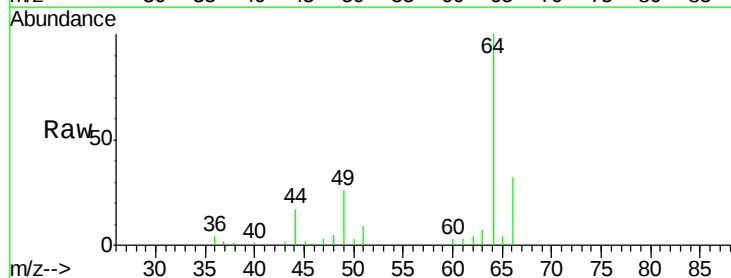
Manual Integrations
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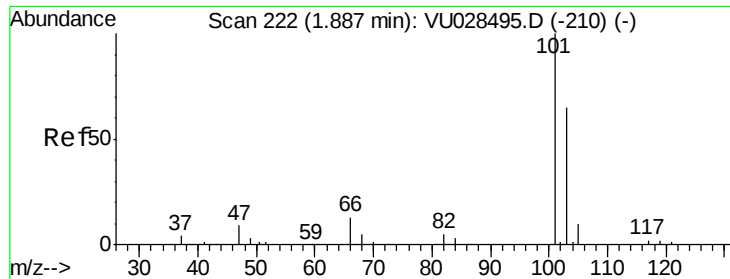
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#6
Chloroethane
Concen: 18.719 ug/l
RT: 1.69 min Scan# 160
Delta R.T. -0.01 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion: 64 Resp: 12941
Ion Ratio Lower Upper
64 100
66 32.4 25.0 37.6





#7

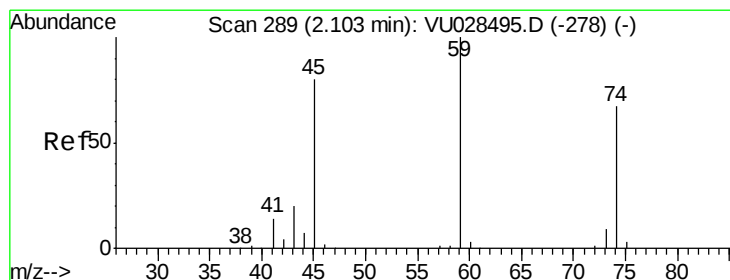
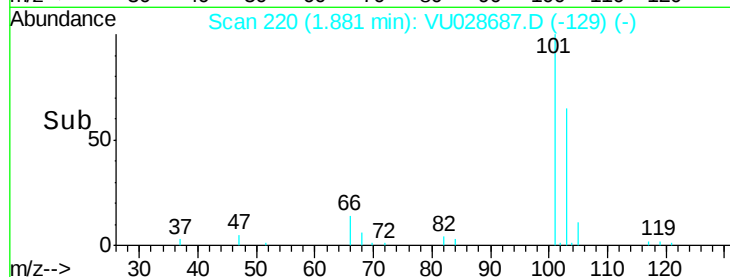
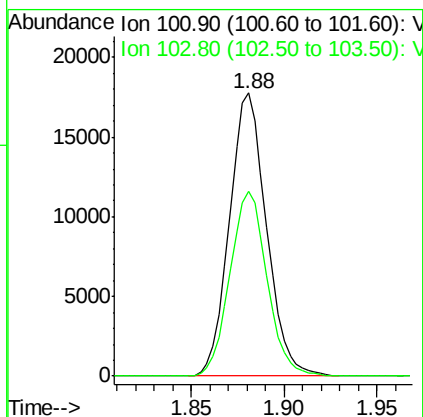
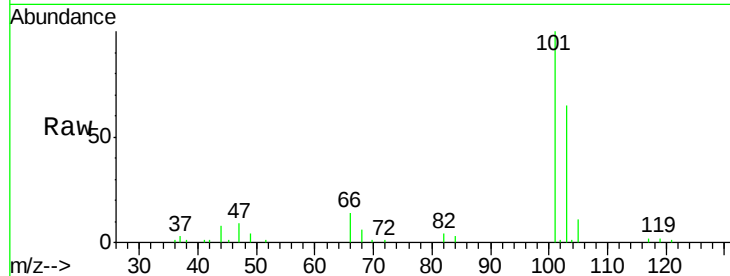
Trichlorofluoromethane
Concen: 19.117 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBSD02

Tgt Ion: 101 Resp: 24562
Ion Ratio Lower Upper
101 100
103 65.1 52.3 78.5

Manual Integrations
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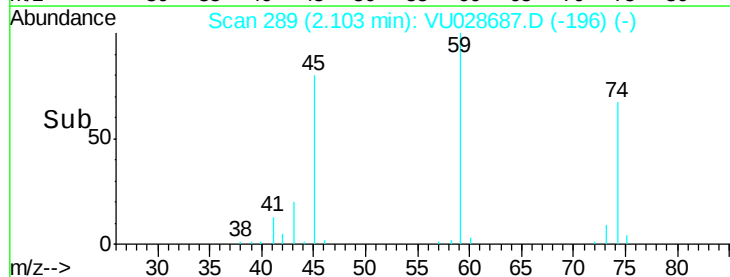
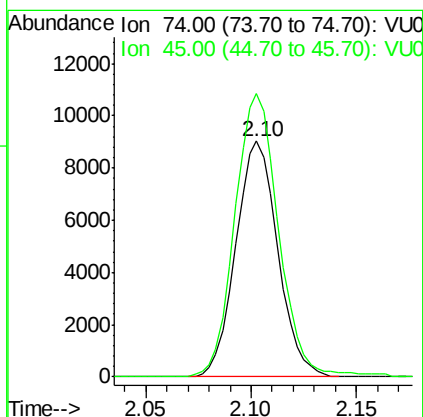
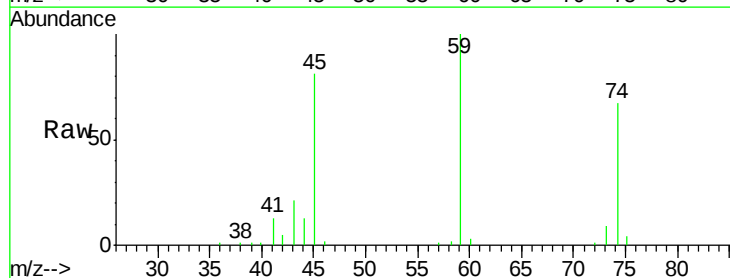
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12/17/2018 9:48:49 AM

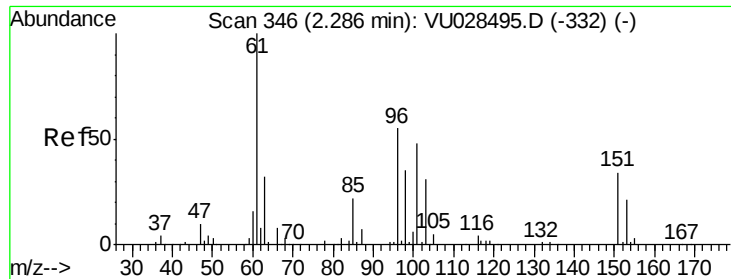


#8

Diethyl Ether
Concen: 20.778 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion: 74 Resp: 12490
Ion Ratio Lower Upper
74 100
45 125.4 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.497 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

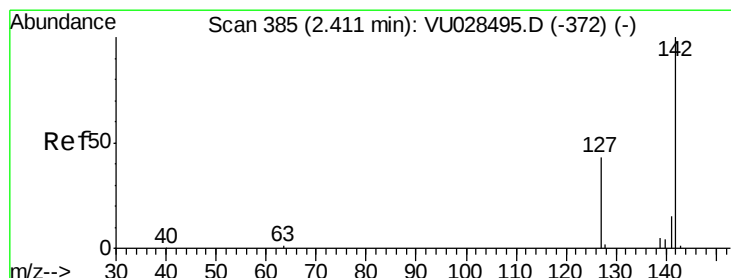
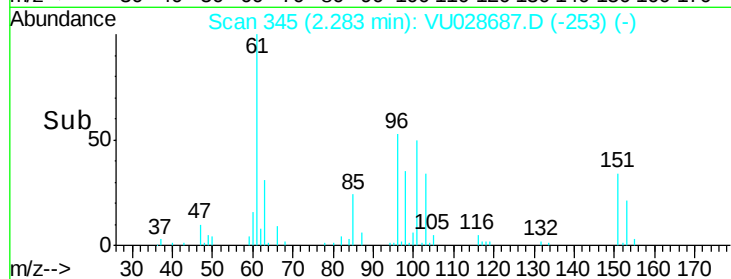
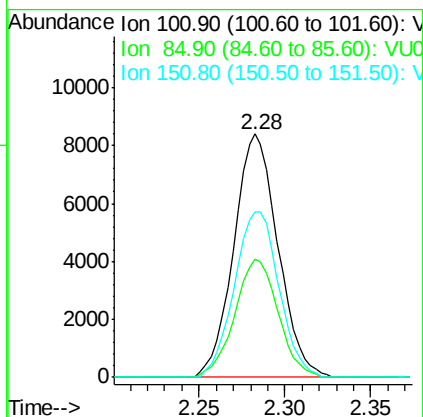
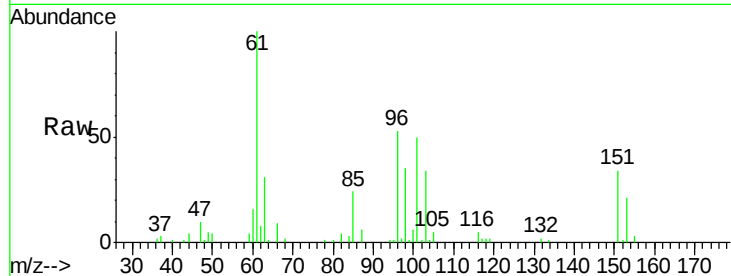
ClientSampleId :

VU1215WBSD02

Tgt Ion:	101	Resp:	14982
Ion Ratio	Lower	Upper	
101	100		
85	47.7	36.4	54.6
151	68.7	58.2	87.2

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#10

Methyl Iodide

Concen: 26.673 ug/l

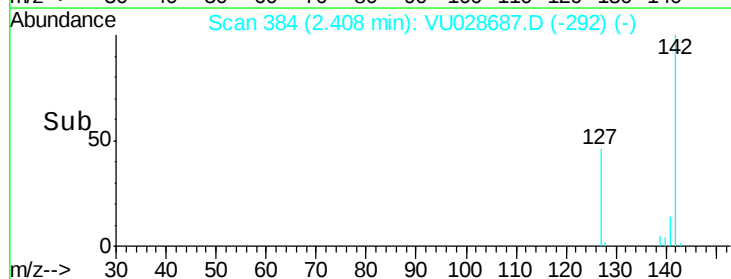
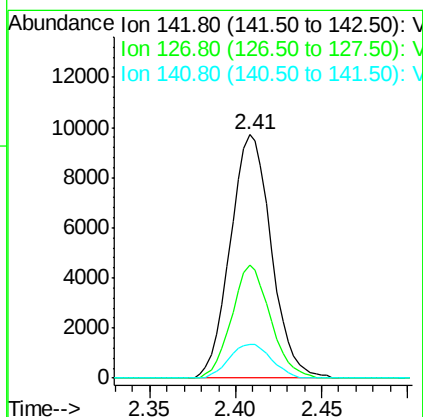
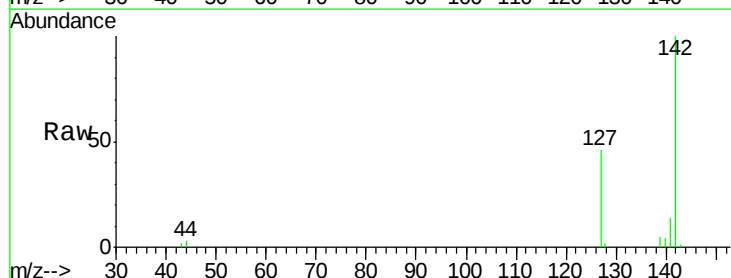
RT: 2.41 min Scan# 384

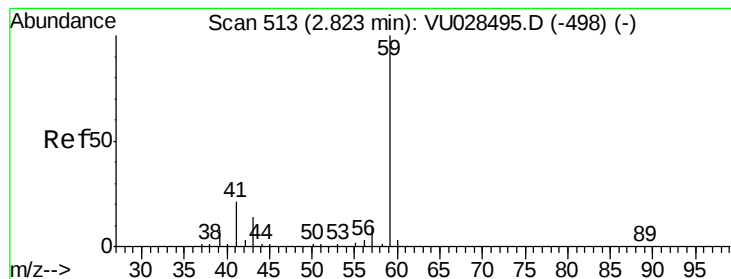
Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Tgt Ion:	142	Resp:	16082
Ion Ratio	Lower	Upper	
142	100		
127	43.7	33.5	50.3
141	14.3	11.2	16.8





#11

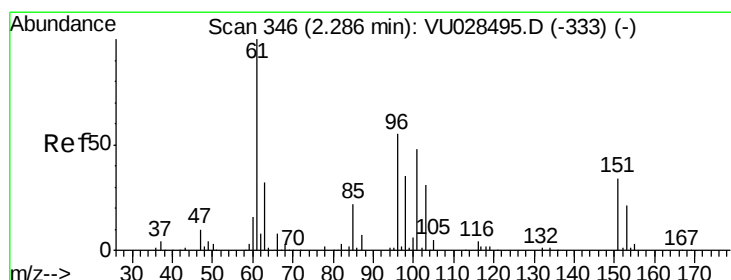
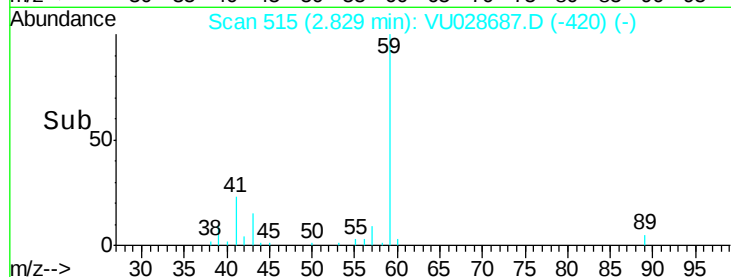
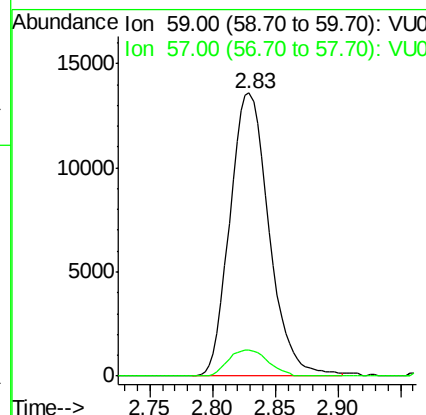
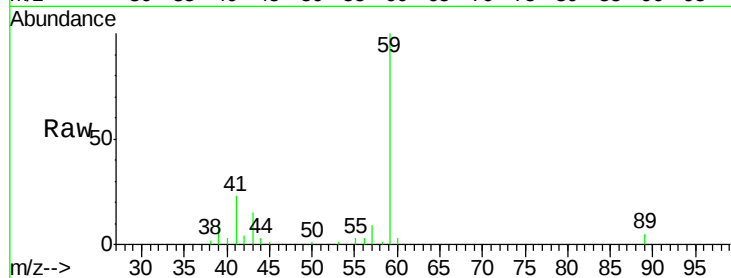
Tert butyl alcohol
Concen: 126.236 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBSD02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.0	12.0

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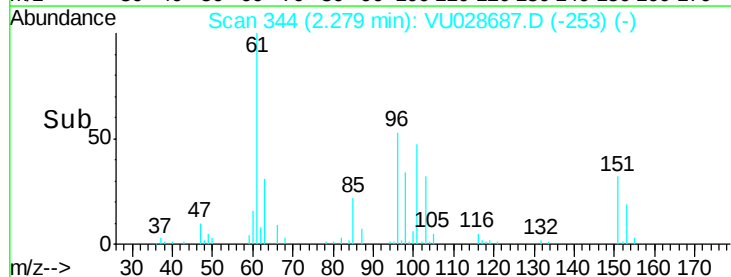
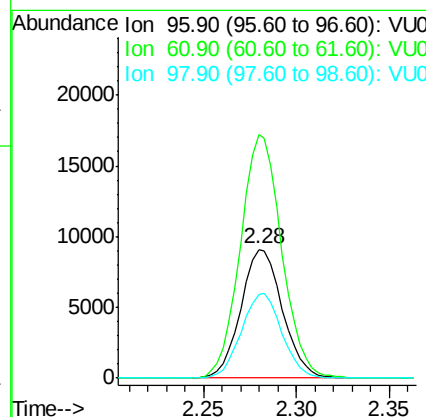
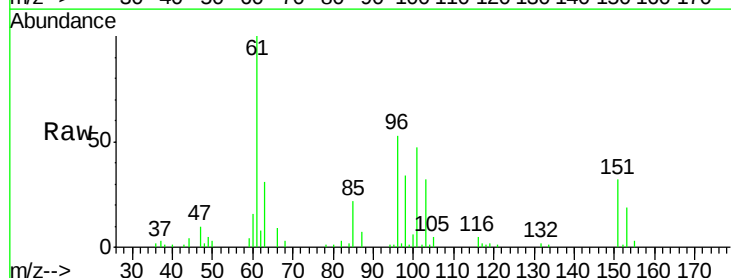
MMDadoda
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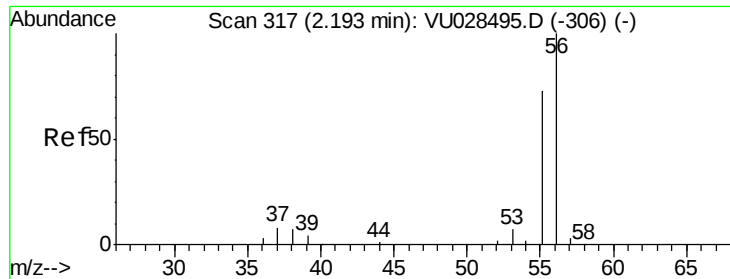


#12

1,1-Dichloroethene
Concen: 18.470 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.9	146.4	219.6
98	64.8	51.8	77.8





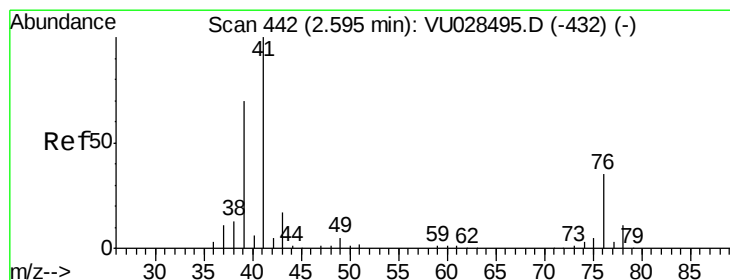
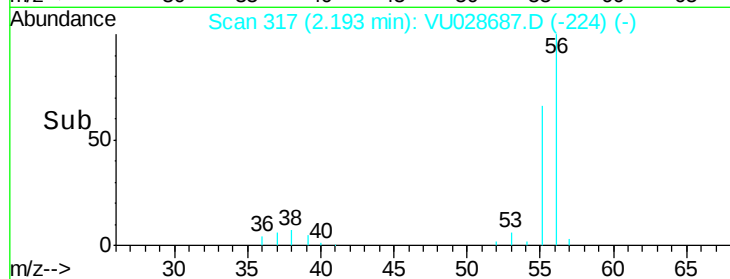
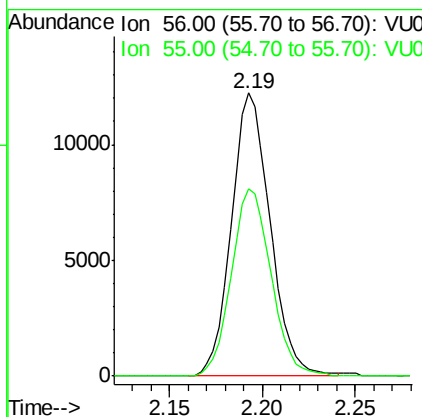
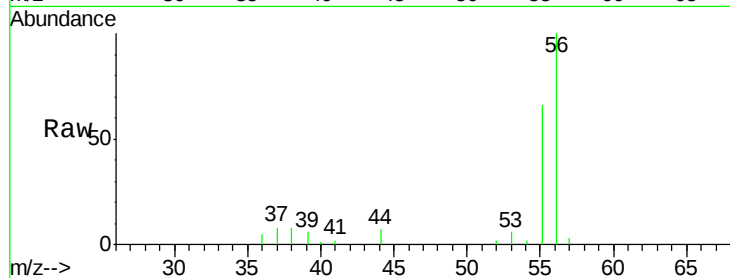
#13
 Acrolein
 Concen: 95.173 ug/l
 RT: 2.19 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBSD02

Tgt Ion: 56 Resp: 17714
 Ion Ratio Lower Upper
 56 100
 55 67.9 57.5 86.3

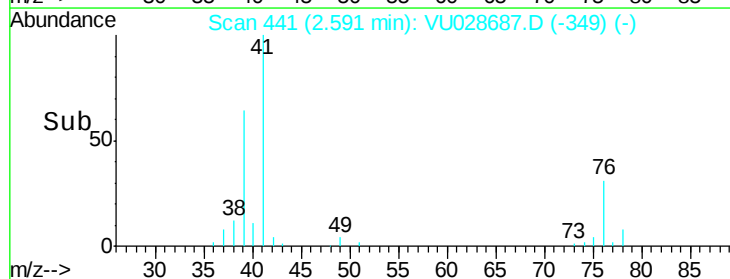
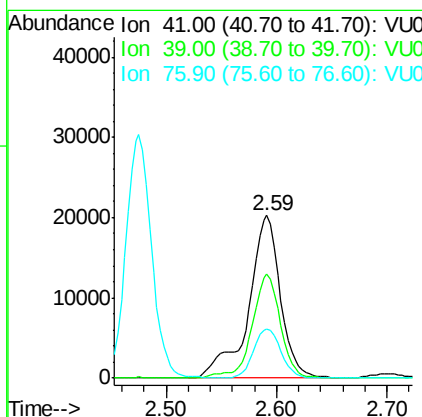
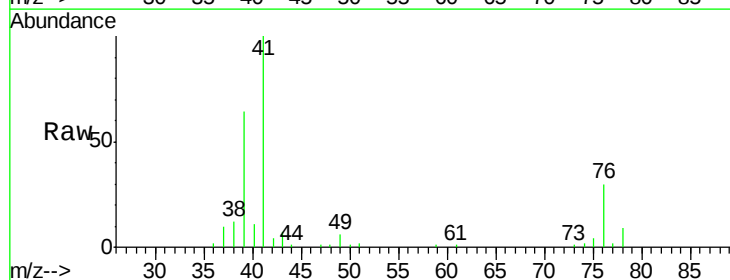
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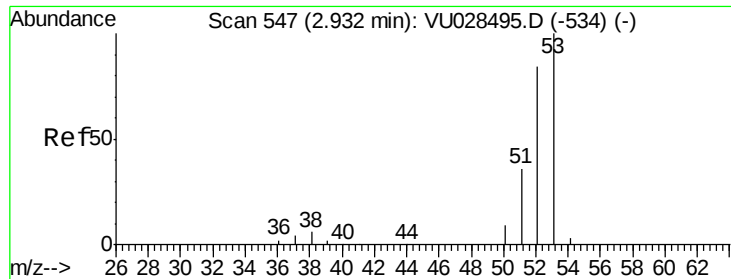
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#14
 Allyl chloride
 Concen: 22.403 ug/l
 RT: 2.59 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion: 41 Resp: 40520
 Ion Ratio Lower Upper
 41 100
 39 56.6 50.8 76.2
 76 26.0 24.8 37.2





#15

Acrylonitrile

Concen: 114.469 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

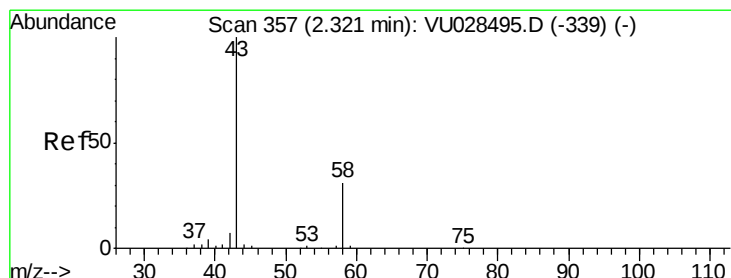
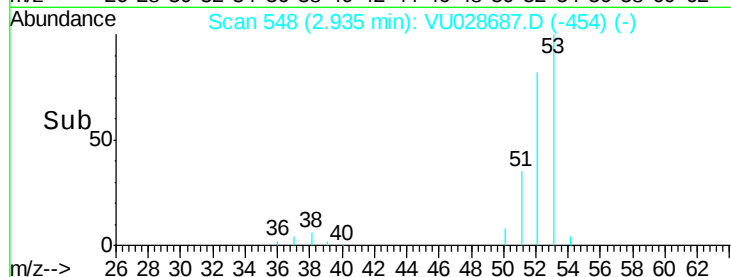
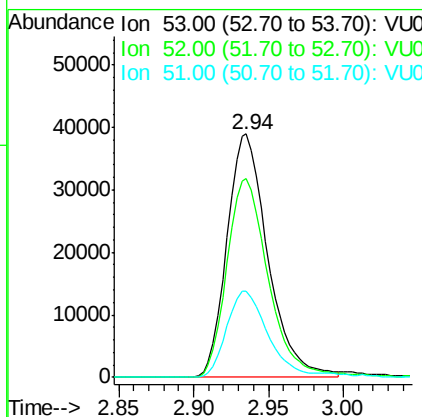
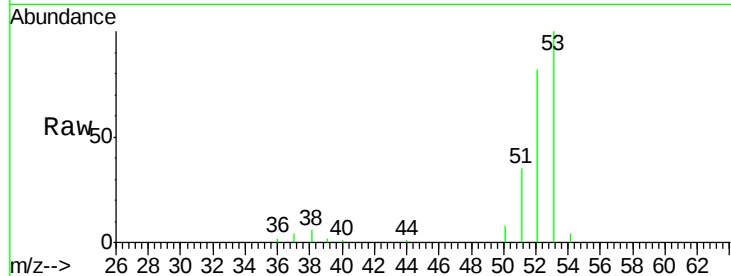
ClientSampleId :

VU1215WBSD02

Tgt Ion:	53	Resp:	74199
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.1	99.1
51	36.9	28.1	42.1

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#16

Acetone

Concen: 99.397 ug/l

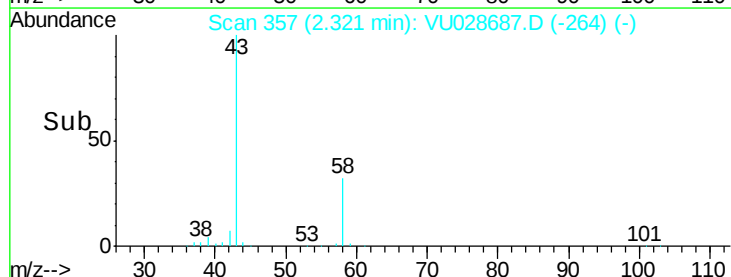
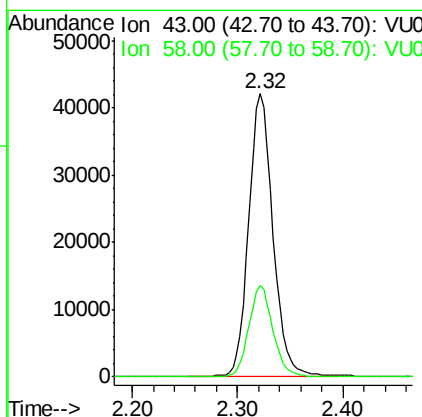
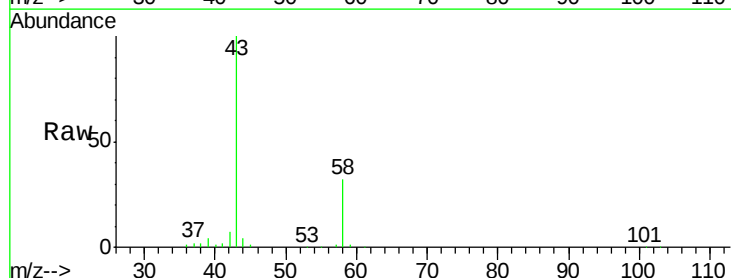
RT: 2.32 min Scan# 357

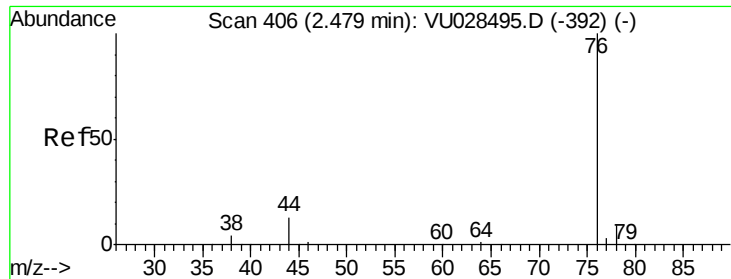
Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Tgt Ion:	43	Resp:	67970
Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.6	37.0





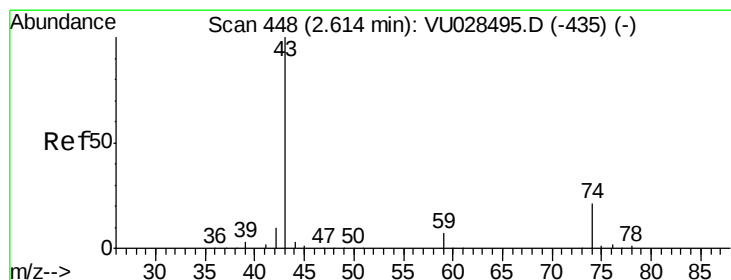
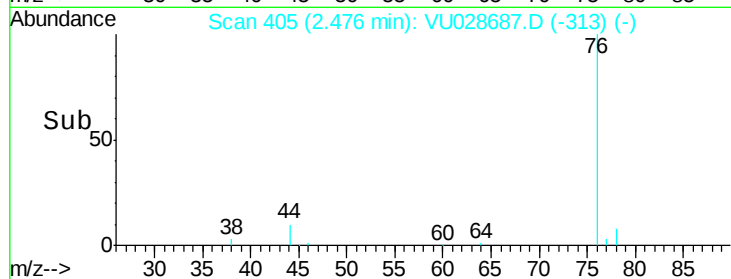
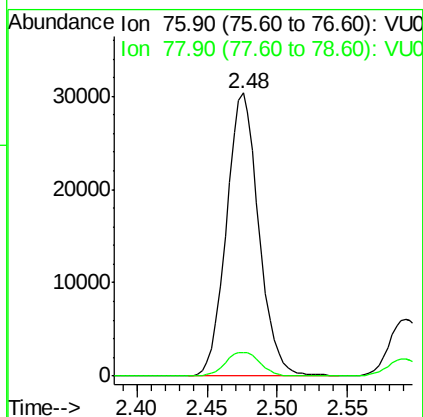
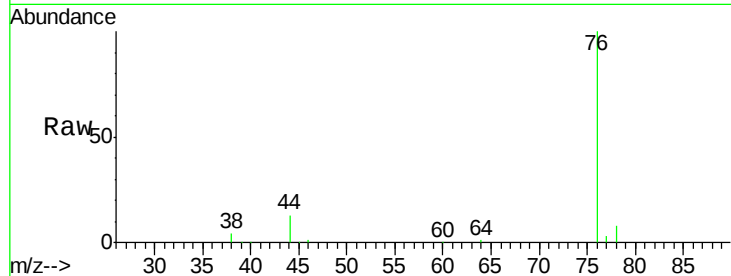
#17
Carbon Disulfide
Concen: 17.676 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBSD02

Tgt Ion: 76 Resp: 48685
Ion Ratio Lower Upper
76 100
78 8.5 7.2 10.8

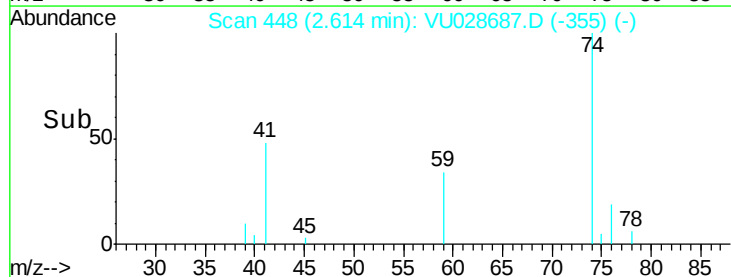
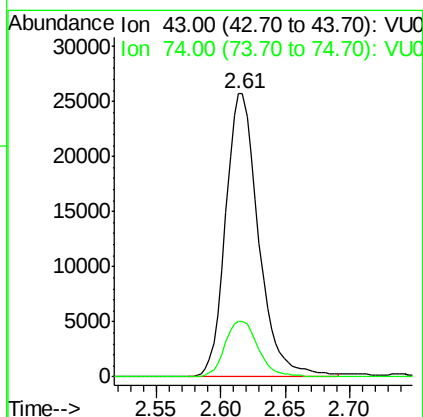
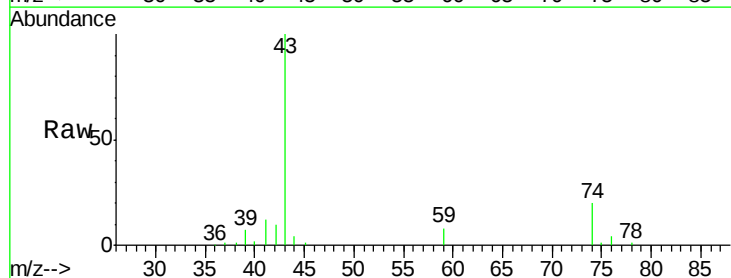
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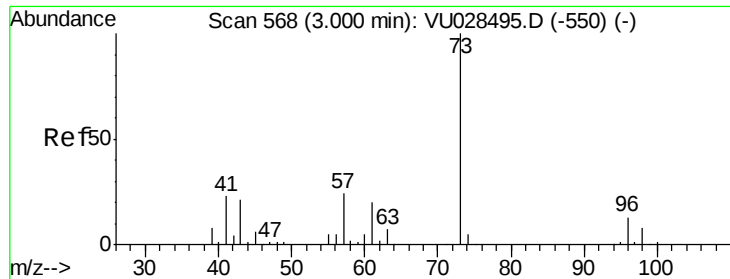
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#18
Methyl Acetate
Concen: 25.817 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion: 43 Resp: 45765
Ion Ratio Lower Upper
43 100
74 19.8 16.4 24.6





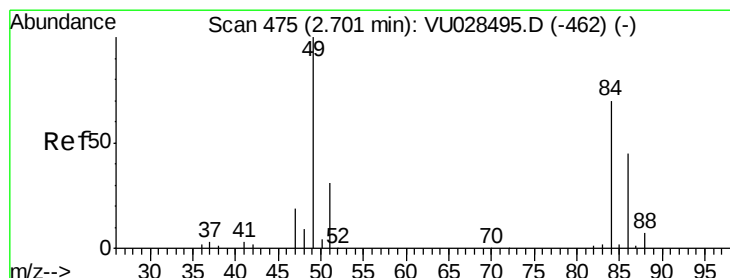
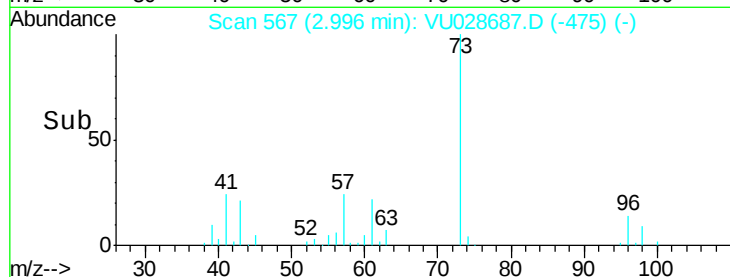
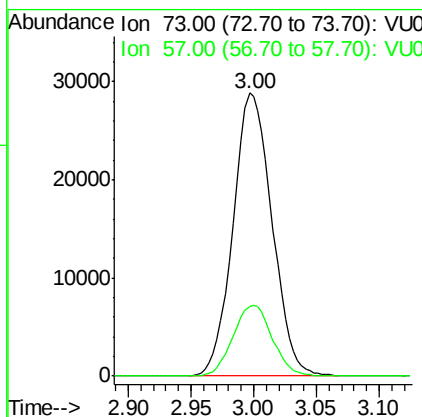
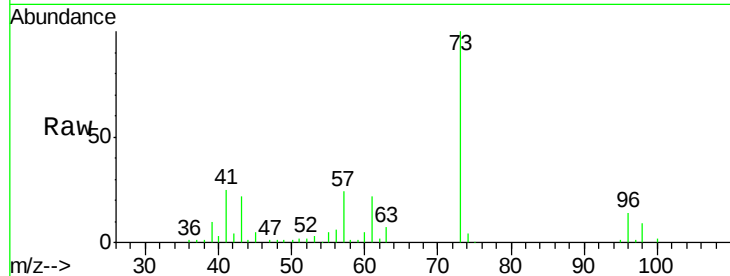
#19
Methyl tert-butyl Ether
Concen: 21.497 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBSD02

Tgt Ion: 73 Resp: 62306
Ion Ratio Lower Upper
73 100
57 24.4 19.4 29.2

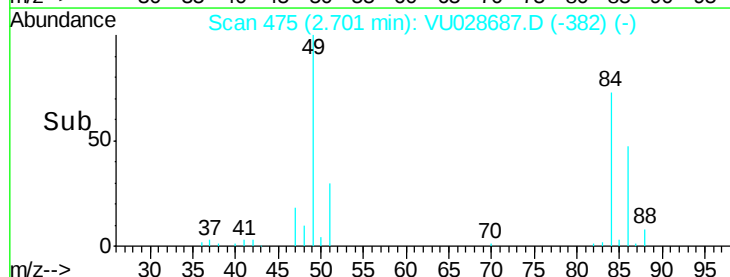
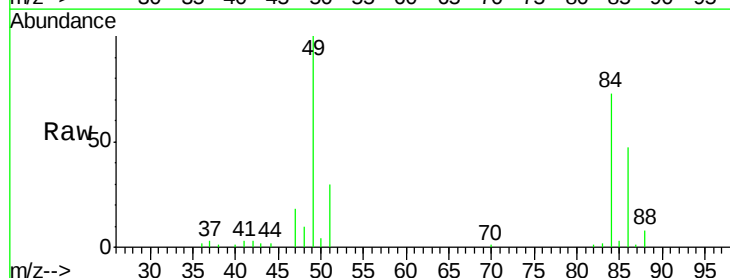
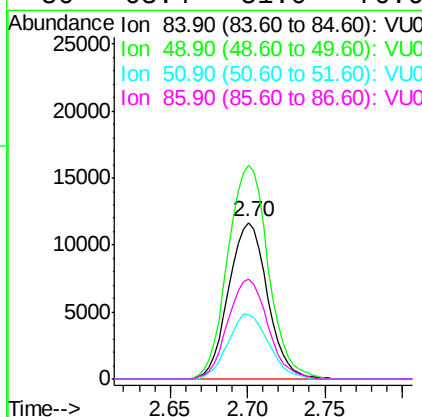
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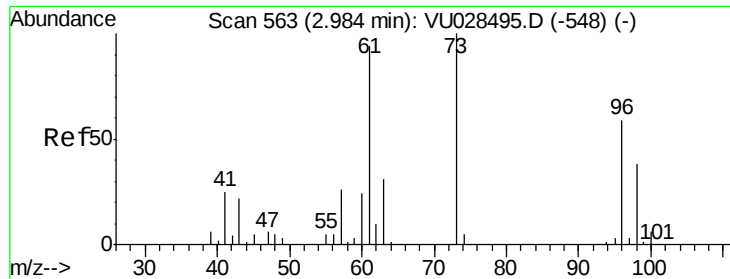
MMDadoda
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#20
Methylene Chloride
Concen: 20.247 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion: 84 Resp: 20410
Ion Ratio Lower Upper
84 100
49 136.3 114.0 171.0
51 41.2 35.1 52.7
86 63.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.287 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

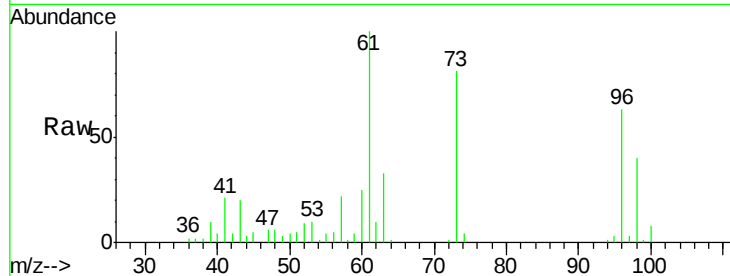
ClientSampleId :

VU1215WBSD02

Tgt Ion:	96	Resp:	16603
Ion	Ratio	Lower	Upper
96	100		
61	159.6	127.0	190.4
98	64.1	51.9	77.9

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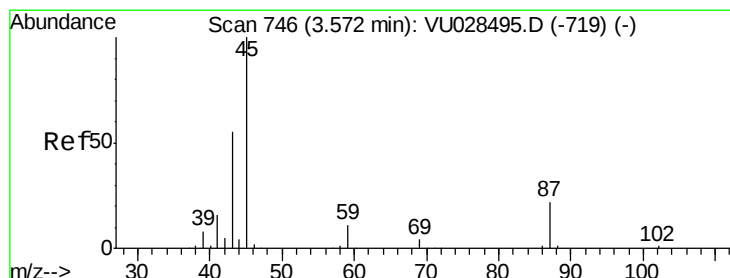
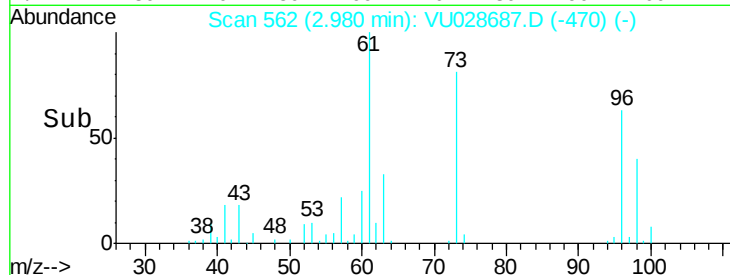
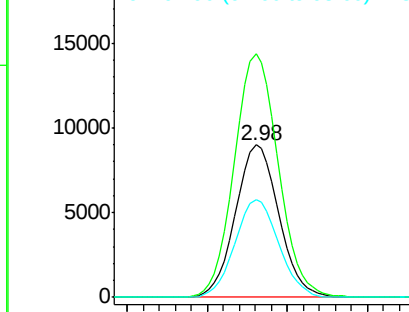


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 22.206 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Tgt Ion:	45	Resp:	78104
Ion	Ratio	Lower	Upper
45	100		
43	58.5	45.3	67.9
87	21.4	17.6	26.4
59	11.7	8.8	13.2

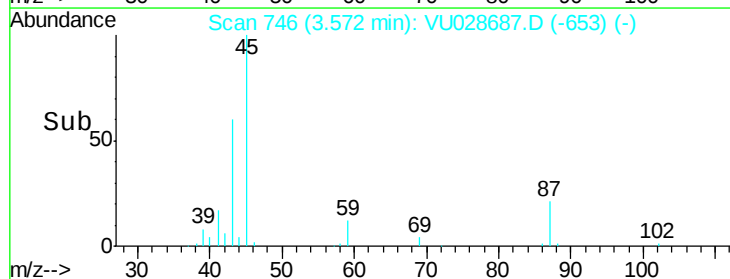
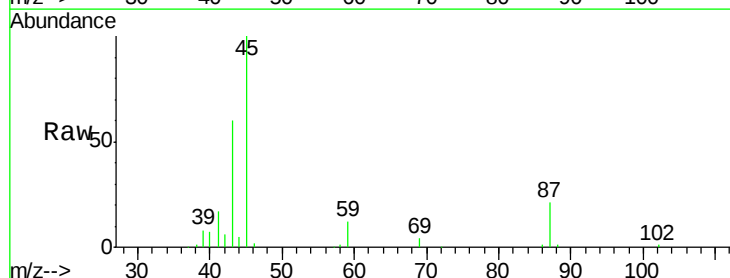
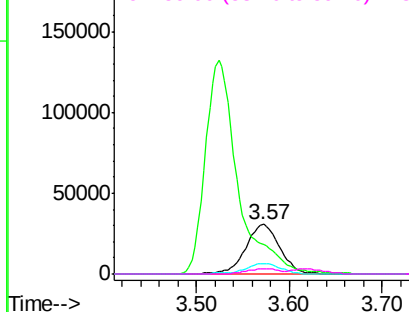
Abundance

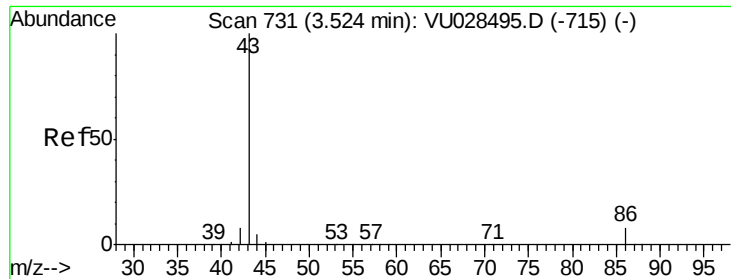
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 111.668 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBSD02

Tgt Ion: 43 Resp: 323970

Ion Ratio Lower Upper

43 100

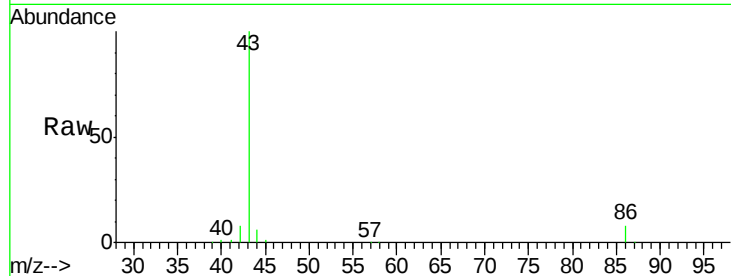
86 8.1 6.8 10.2

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

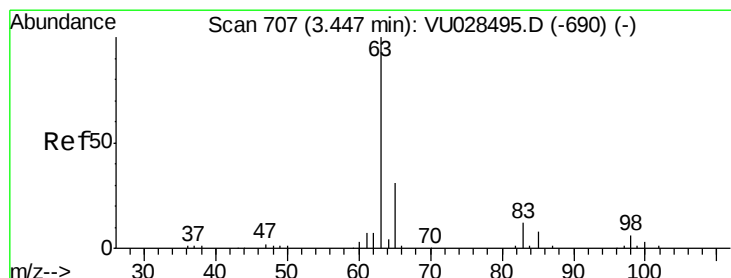
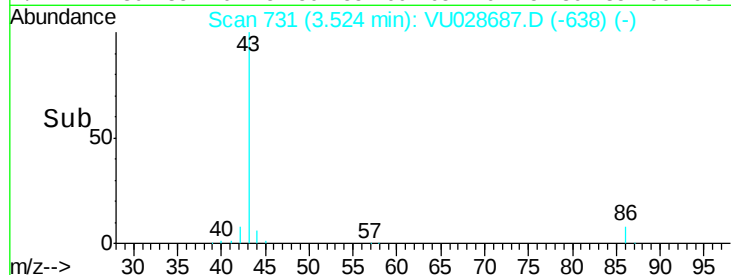
150000

100000

50000

0

Time--> 3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 20.781 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

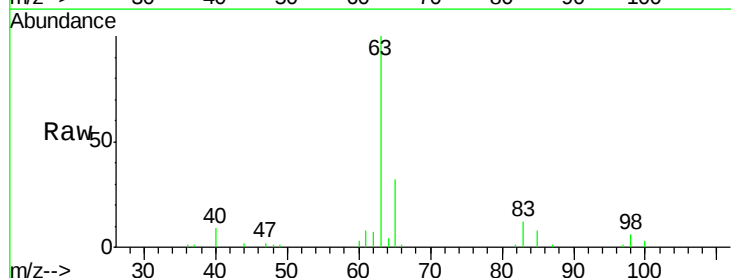
Tgt Ion: 63 Resp: 38261

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.3 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

20000

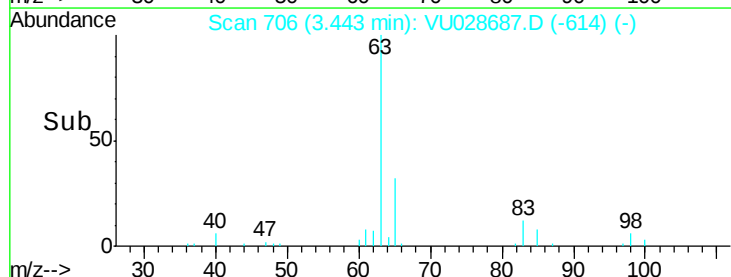
15000

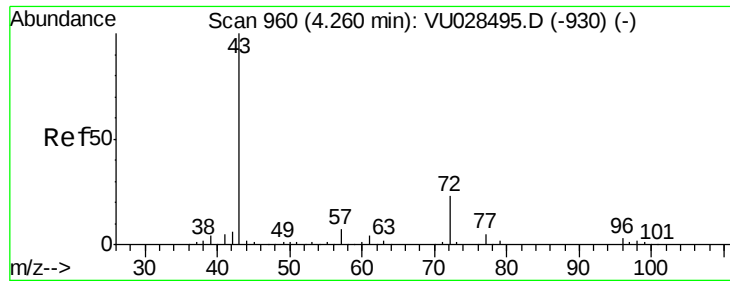
10000

5000

0

Time--> 3.35 3.40 3.45 3.50





#25

2-Butanone

Concen: 113.532 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBSD02

Tgt Ion: 43 Resp: 106097

Ion Ratio Lower Upper

43 100

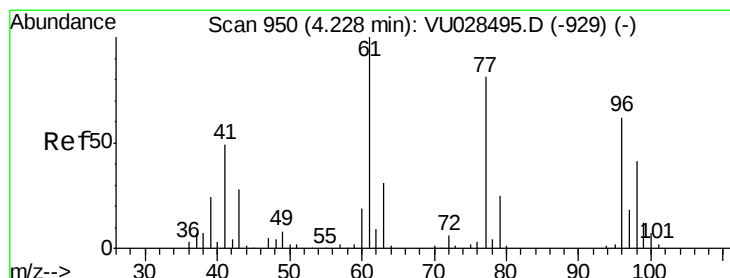
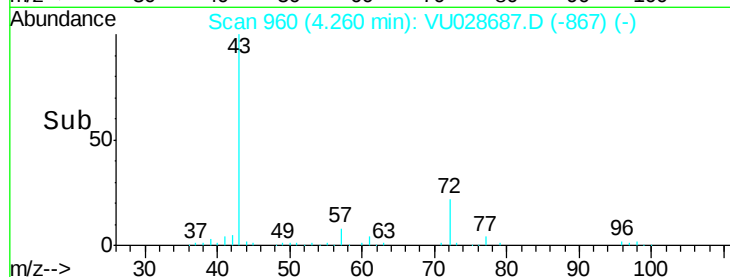
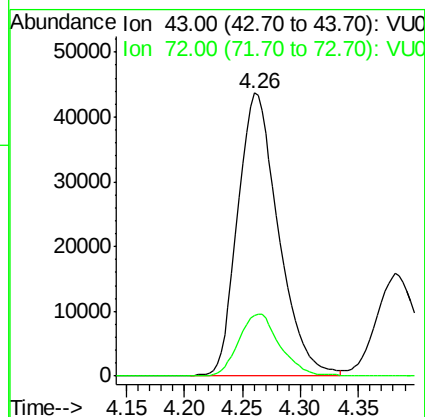
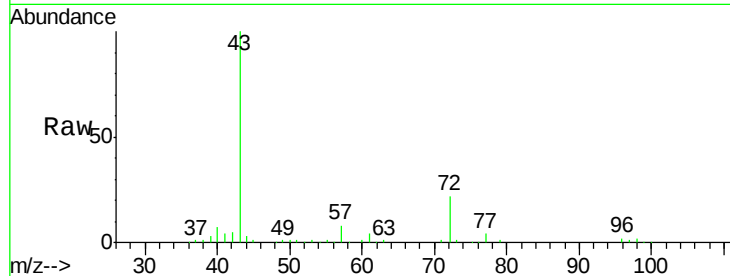
72 21.6 18.6 28.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.376 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028687.D

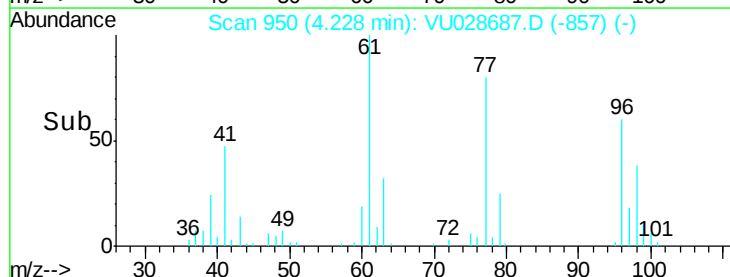
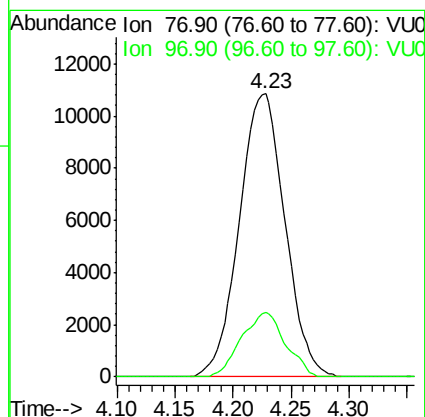
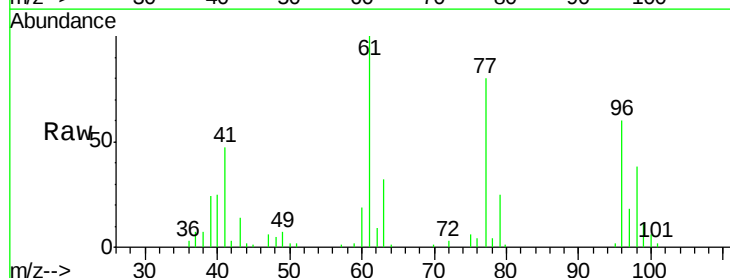
Acq: 14 Dec 2018 16:51

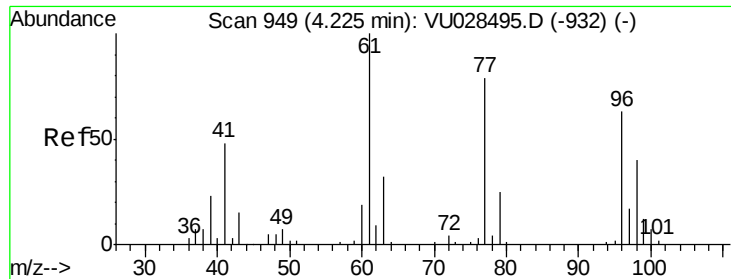
Tgt Ion: 77 Resp: 29725

Ion Ratio Lower Upper

77 100

97 22.0 11.0 33.0





#27

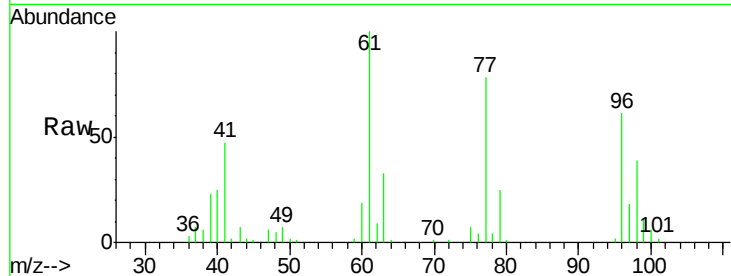
cis-1,2-Dichloroethene
Concen: 20.323 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBSD02

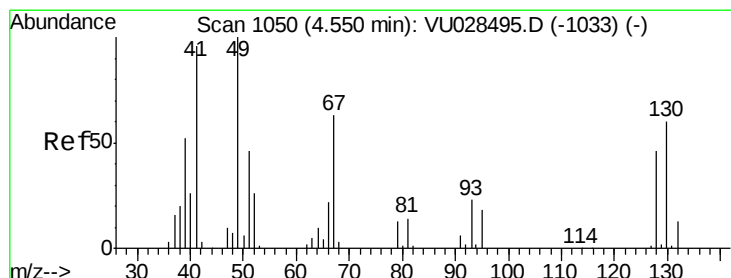
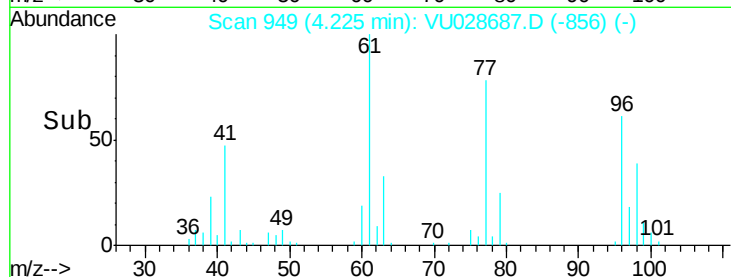
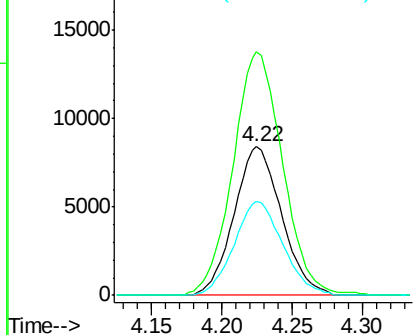
Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.2	0.0	332.4
98	64.7	0.0	129.0

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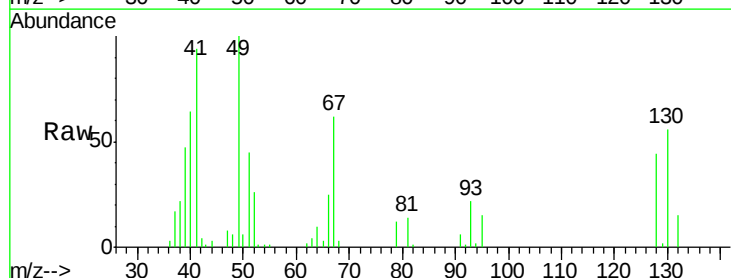
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



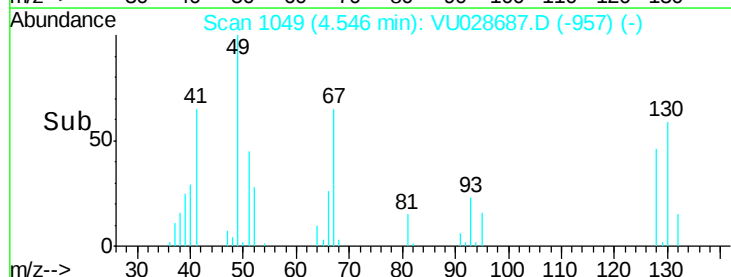
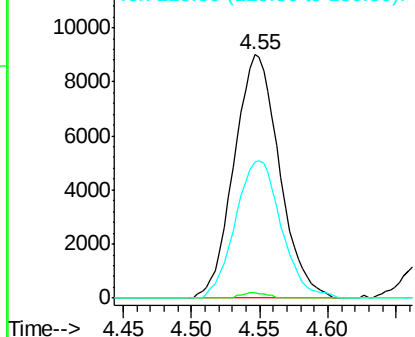
#28

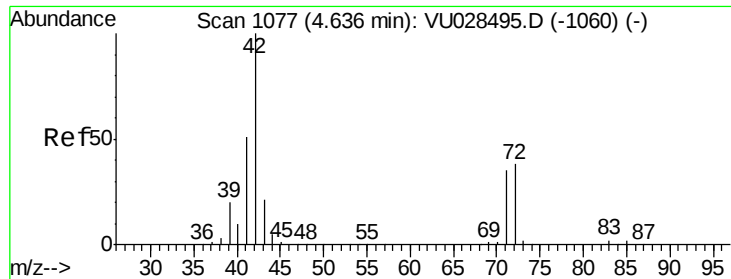
Bromochloromethane
Concen: 24.794 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.0
130	57.1	47.8	71.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





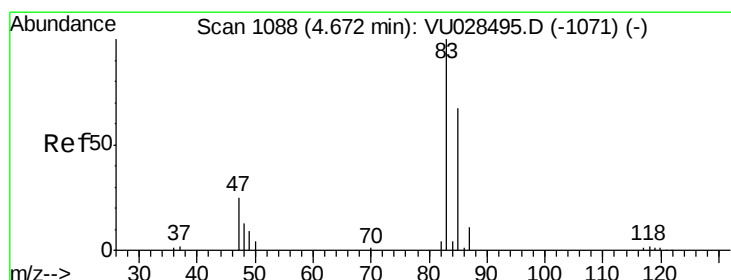
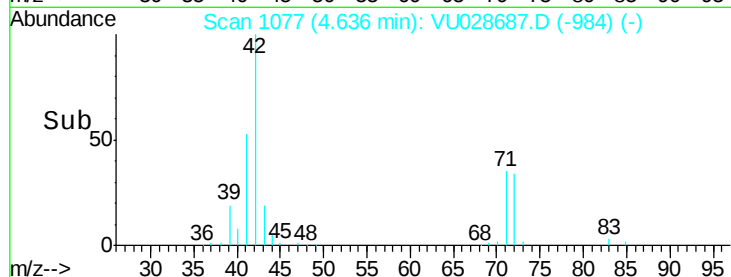
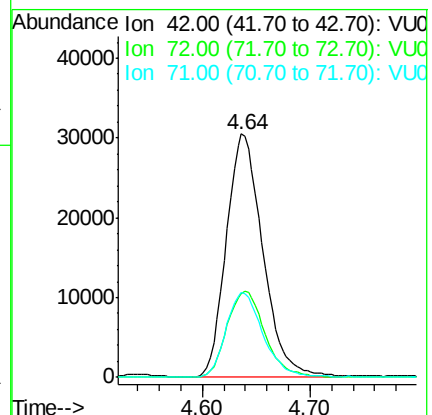
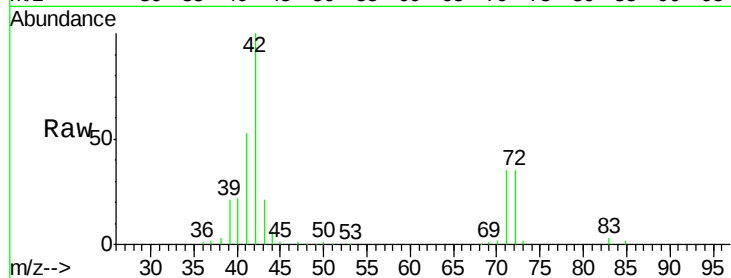
#29
Tetrahydrofuran
Concen: 120.309 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBSD02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.7	31.4	47.0
71	35.2	28.6	43.0

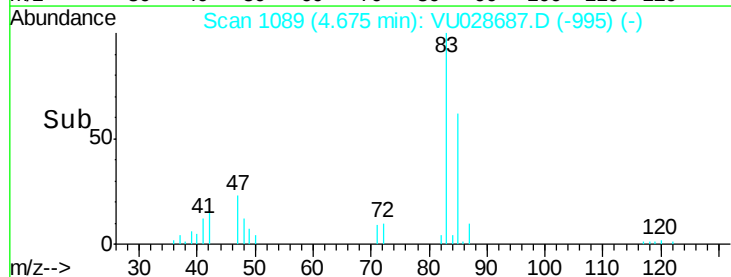
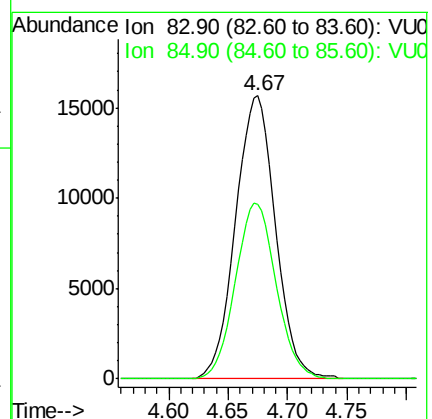
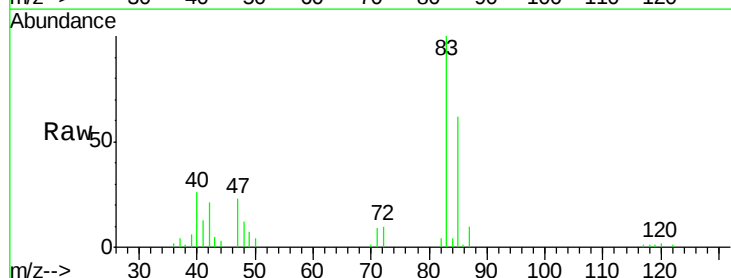
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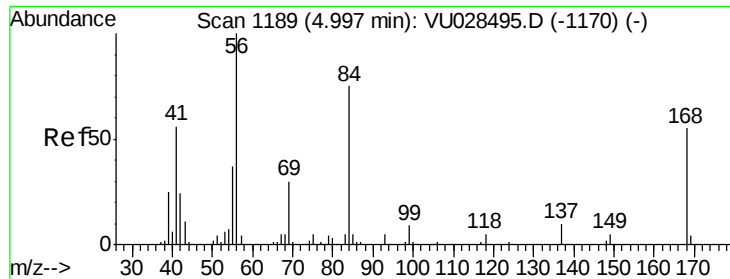
MMDadoda
12/17/2018 9:48:49 AM



#30
Chloroform
Concen: 22.707 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	53.6	80.4





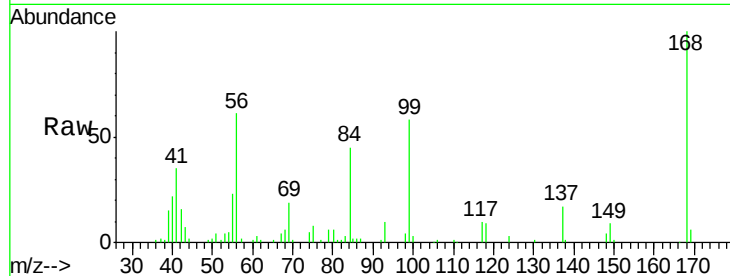
#31
Cyclohexane
Concen: 18.136 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBSD02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.0	36.0
84	73.3	59.7	89.5

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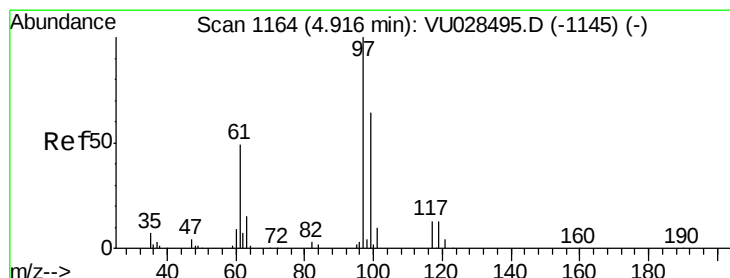
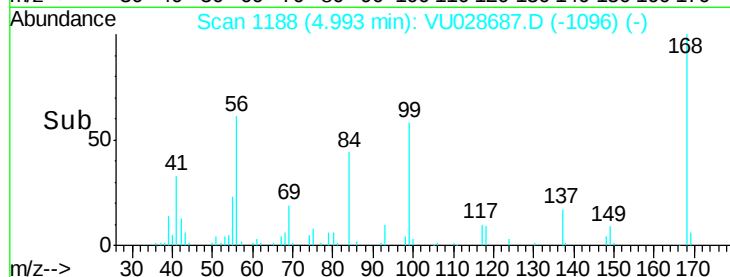
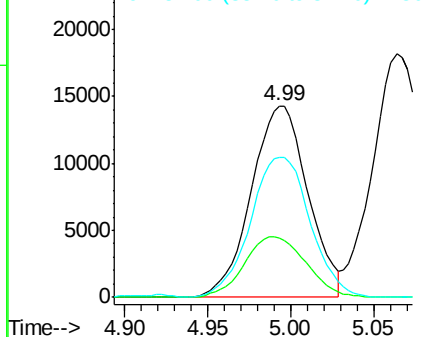


Abundance

Ion 56.00 (55.70 to 56.70): VU028687.D (-1096) (-)

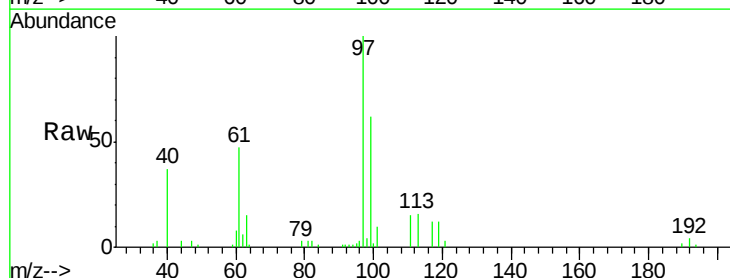
Ion 69.00 (68.70 to 69.70): VU028687.D (-1096) (-)

Ion 84.00 (83.70 to 84.70): VU028687.D (-1096) (-)



#32
1,1,1-Trichloroethane
Concen: 21.356 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	52.3	78.5
61	46.9	39.0	58.6

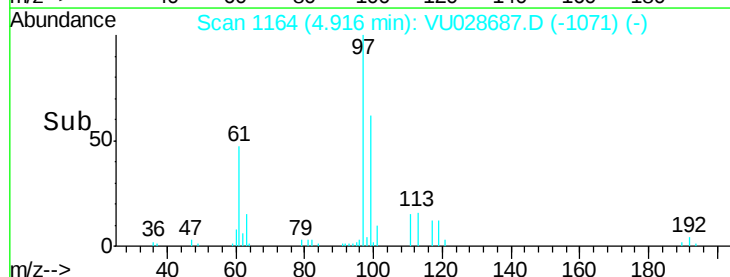
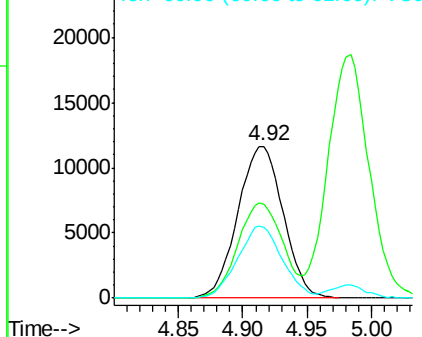


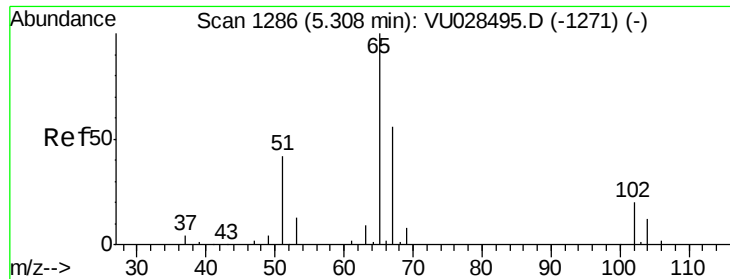
Abundance

Ion 96.90 (96.60 to 97.60): VU028687.D (-1071) (-)

Ion 98.90 (98.60 to 99.60): VU028687.D (-1071) (-)

Ion 60.90 (60.60 to 61.60): VU028687.D (-1071) (-)





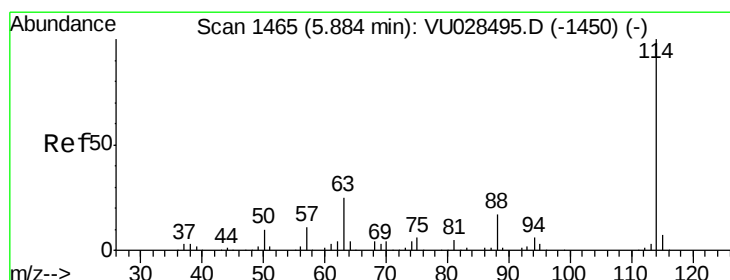
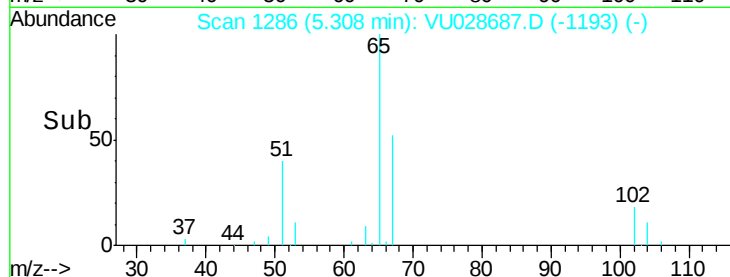
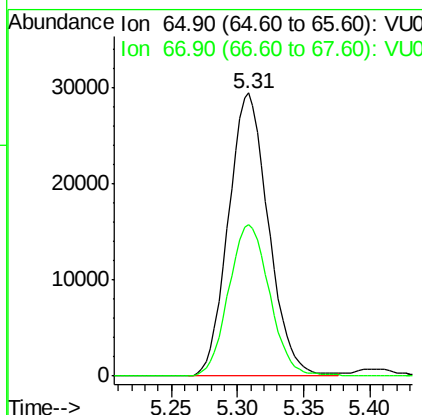
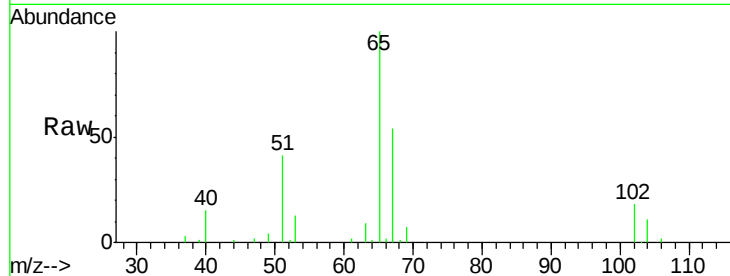
#33
 1,2-Dichloroethane-d4
 Concen: 58.927 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBSD02

Tgt Ion: 65 Resp: 61752
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.6

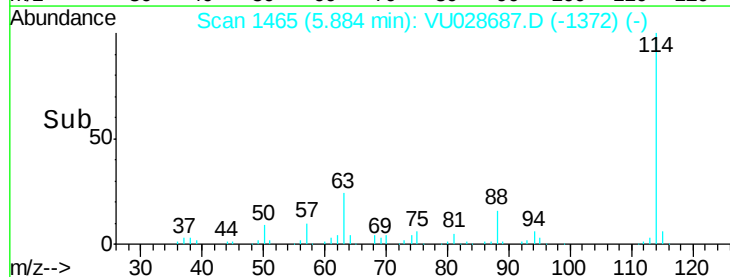
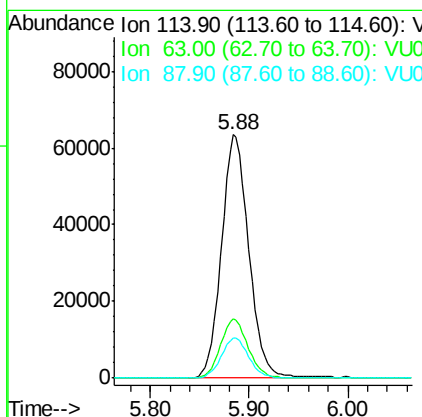
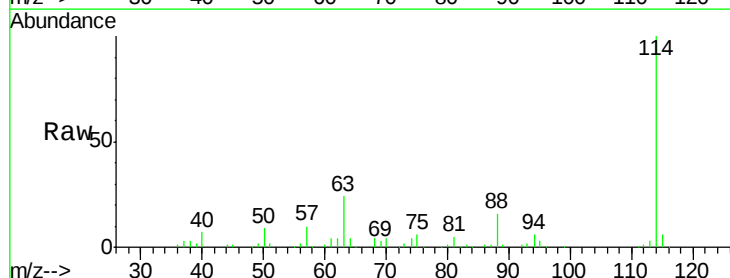
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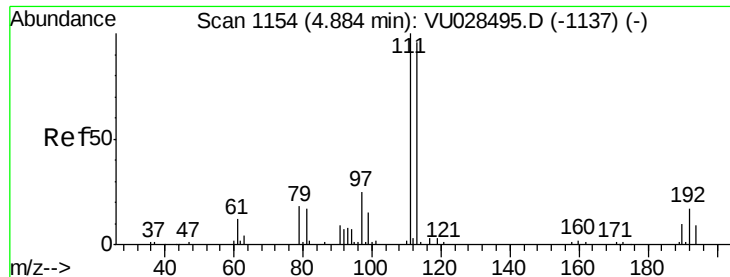
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion: 114 Resp: 123421
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 16.3 0.0 33.4





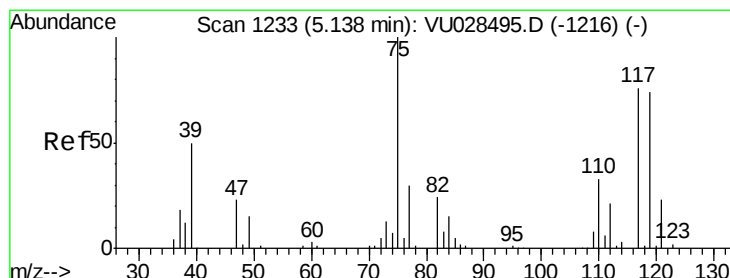
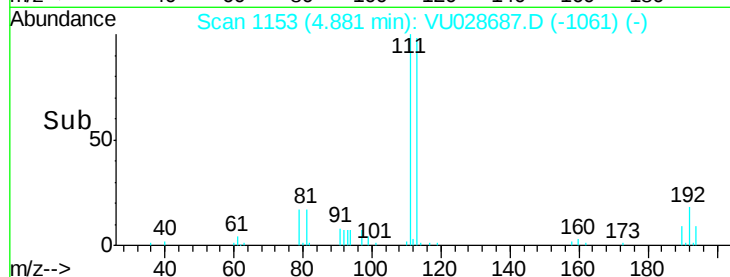
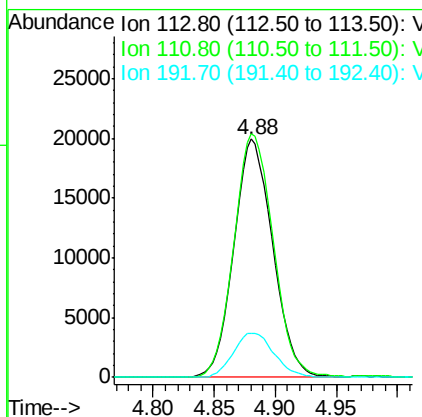
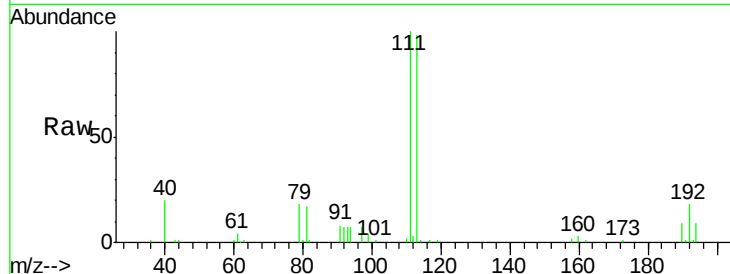
#35
 Dibromofluoromethane
 Concen: 56.621 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	43977		
111	104.0		83.4	125.0
192	19.3		14.8	22.2

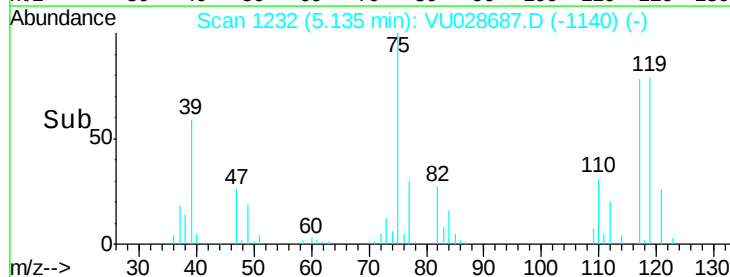
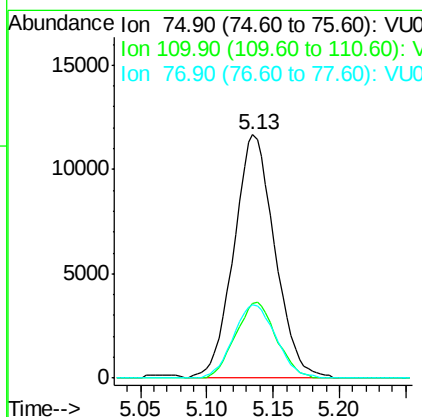
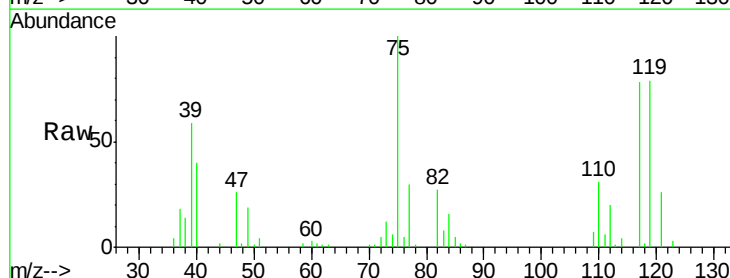
Manual Integrations
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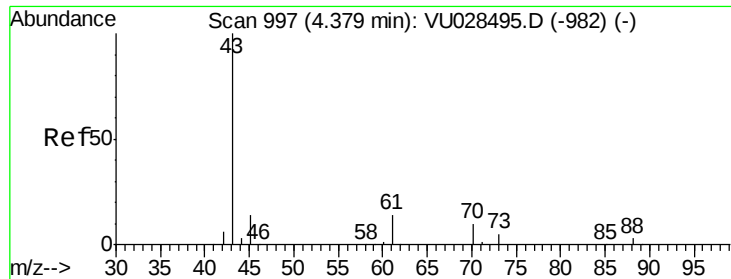
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#36
 1,1-Dichloropropene
 Concen: 18.557 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25063		
110	30.7		16.1	48.2
77	31.2		24.5	36.7





#37

Ethyl Acetate

Concen: 22.051 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

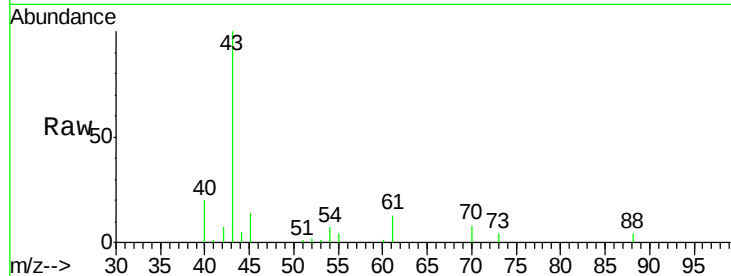
ClientSampleId :

VU1215WBSD02

Tgt Ion:	43	Resp:	38499
Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.0	16.4
70	8.4	7.4	11.0

Manual Integrations
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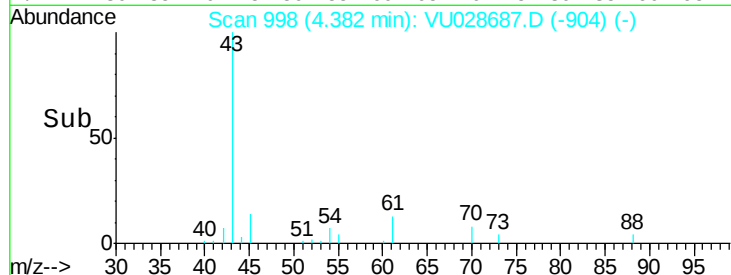


Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028495.D (-982) (-)

Time-->

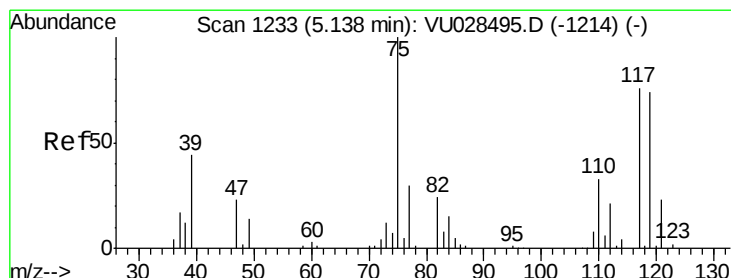


Abundance Ion 43.00 (42.70 to 43.70): VU028687.D (-904) (-)

Ion 60.90 (60.60 to 61.60): VU028687.D (-904) (-)

Ion 70.00 (69.70 to 70.70): VU028687.D (-904) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 20.522 ug/l

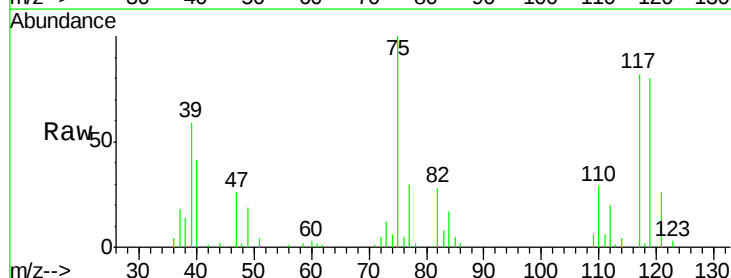
RT: 5.13 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Tgt Ion:	117	Resp:	22340
Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.6	116.4
121	31.3	24.6	36.8

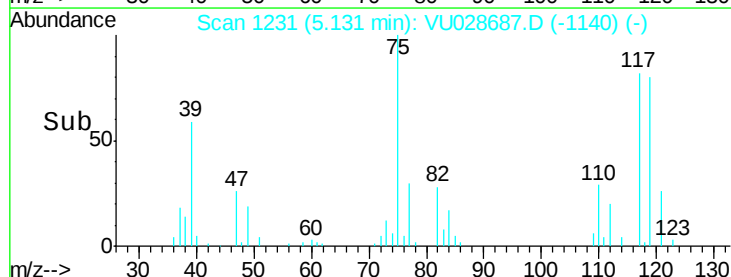


Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)

Time-->

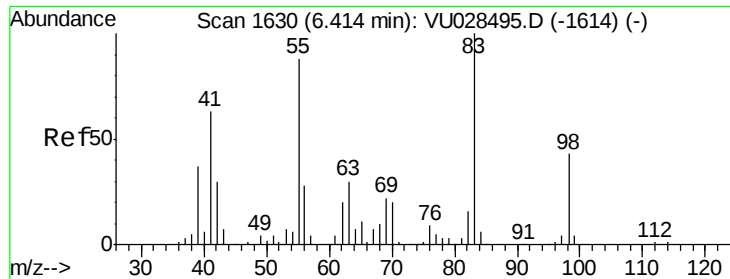


Abundance Ion 116.80 (116.50 to 117.50): VU028687.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU028687.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU028687.D (-1140) (-)

Time-->



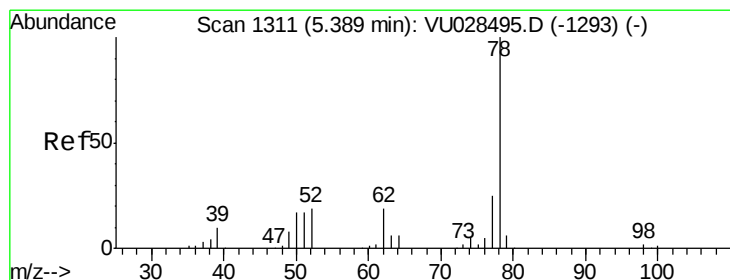
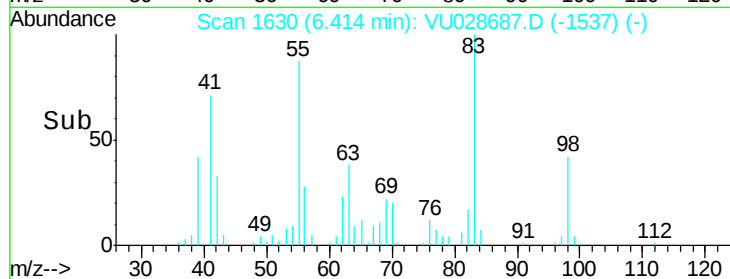
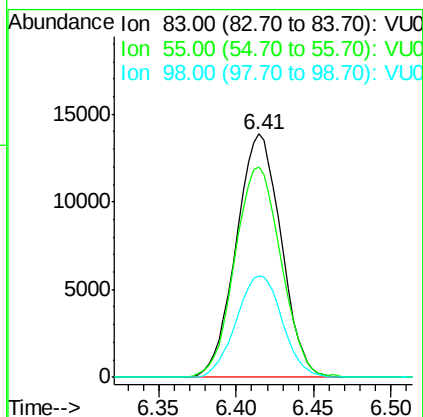
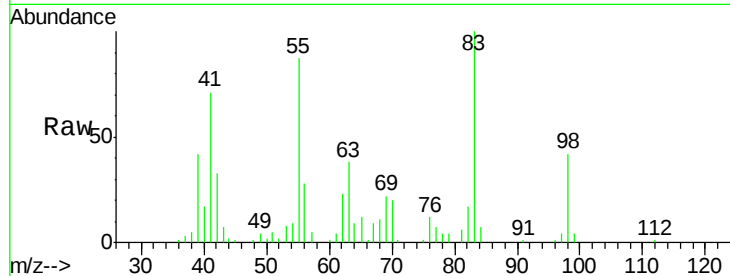
#39
Methylcyclohexane
Concen: 16.960 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.6	70.2	105.2
98	41.6	34.2	51.4

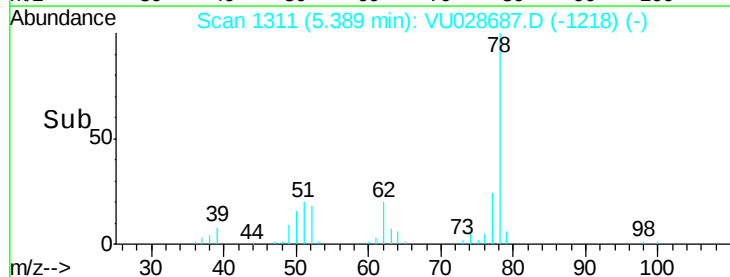
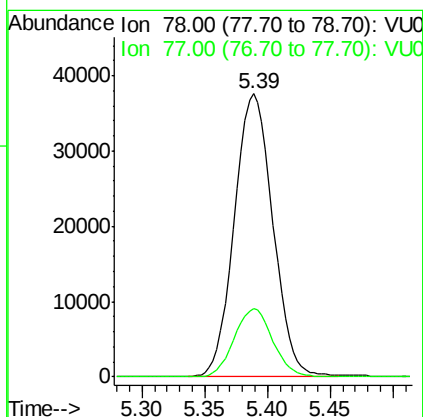
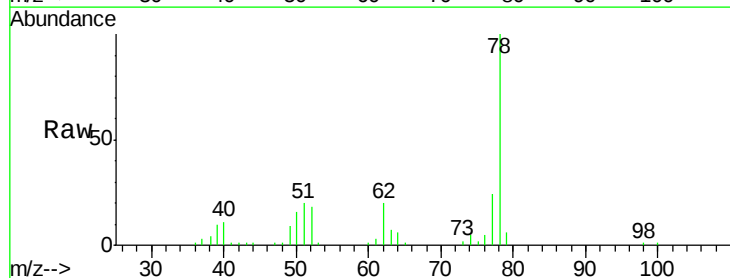
Manual Integrations
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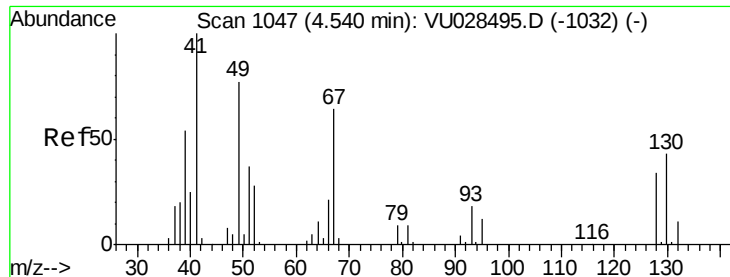
MMDadoda
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#40
Benzene
Concen: 20.232 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.9	29.9





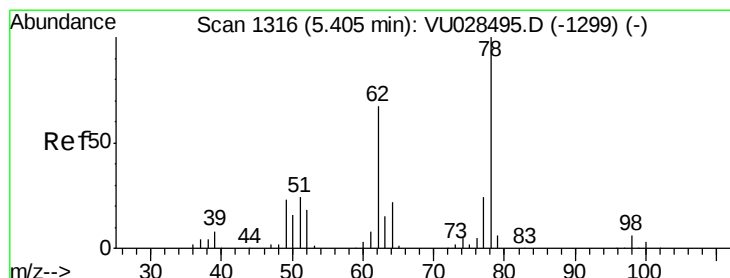
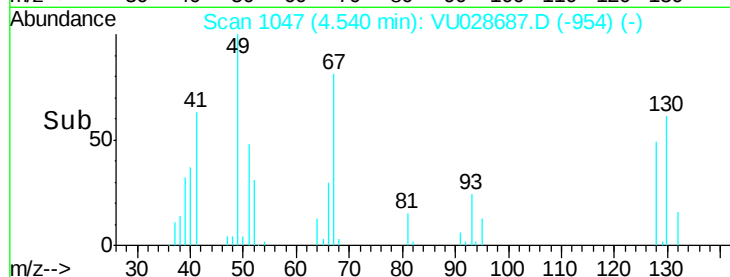
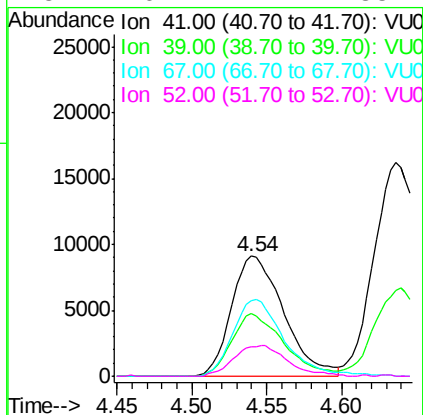
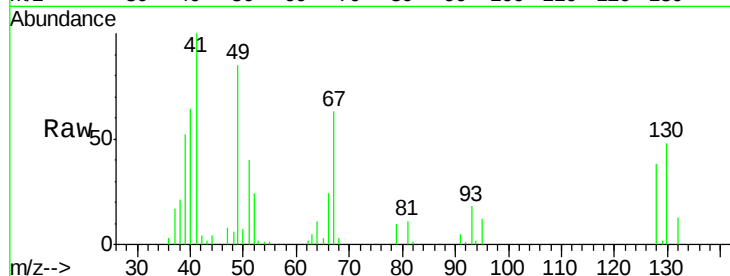
#41
Methacrylonitrile
Concen: 23.123 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBSD02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.4	43.3	64.9
67	62.8	53.6	80.4
52	26.2	22.1	33.1

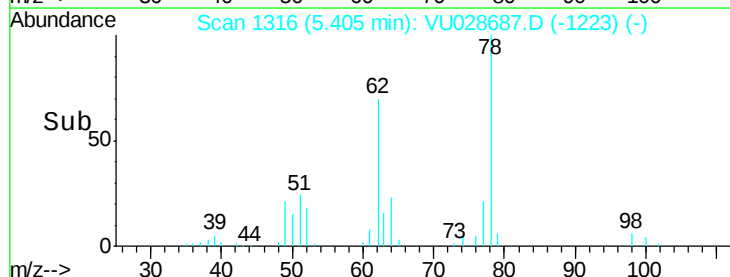
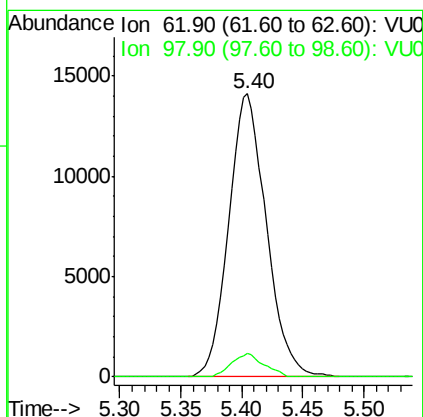
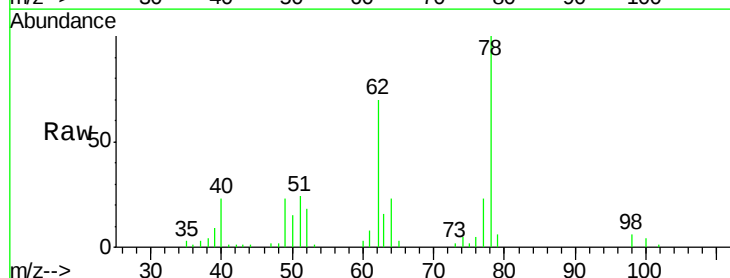
Manual Integrations
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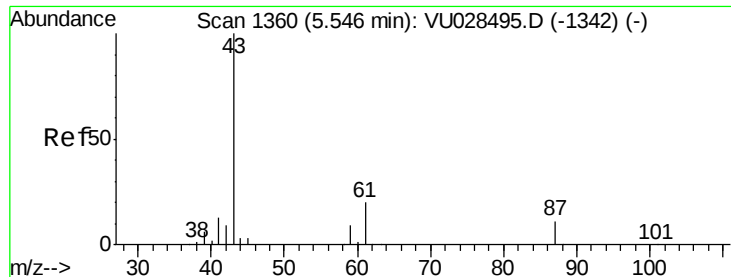
MMDadoda
12/17/2018 9:48:49 AM



#42
1,2-Dichloroethane
Concen: 21.728 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	17.2





#43

Isopropyl Acetate

Concen: 22.229 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

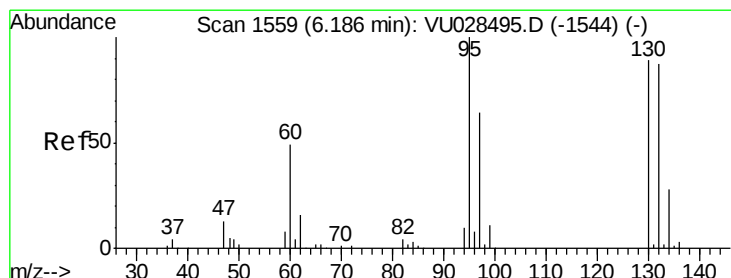
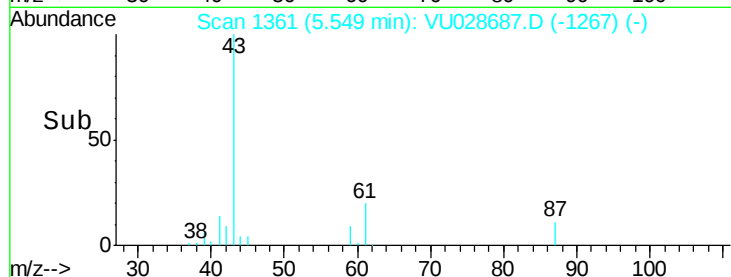
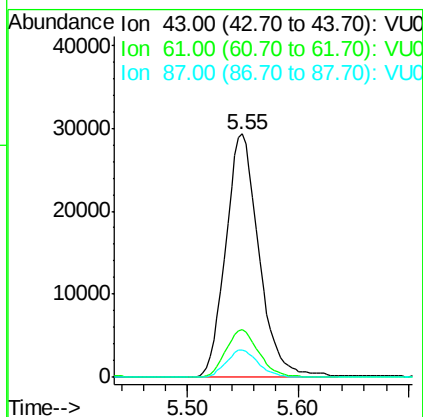
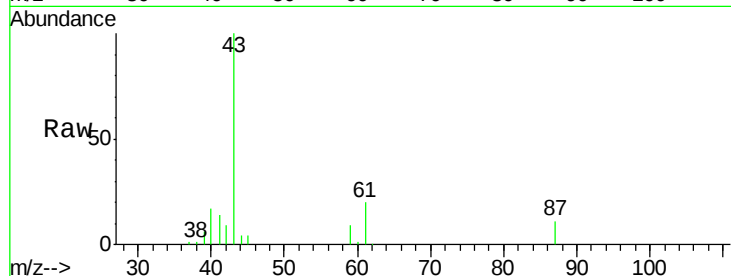
ClientSampleId :

VU1215WBSD02

Tgt Ion:	43	Resp:	61384
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.5	23.3
87	10.7	8.7	13.1

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12/17/2018 9:48:49 AM



#44

Trichloroethene

Concen: 19.168 ug/l

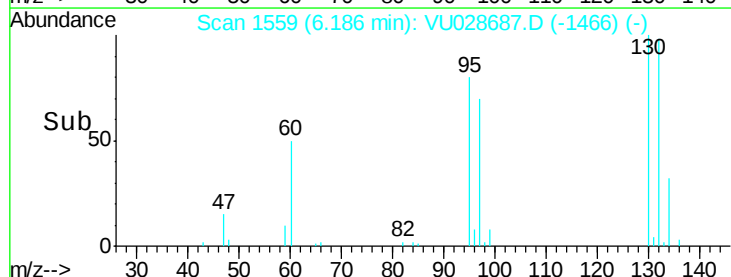
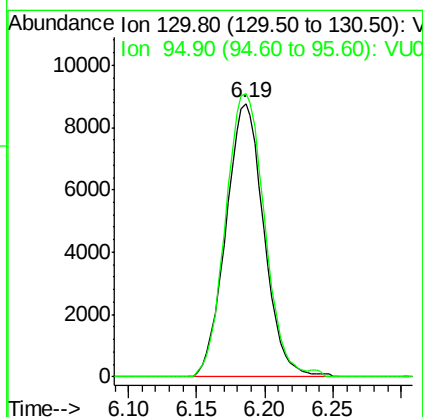
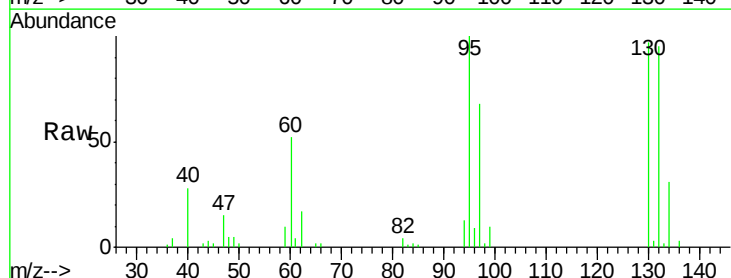
RT: 6.19 min Scan# 1559

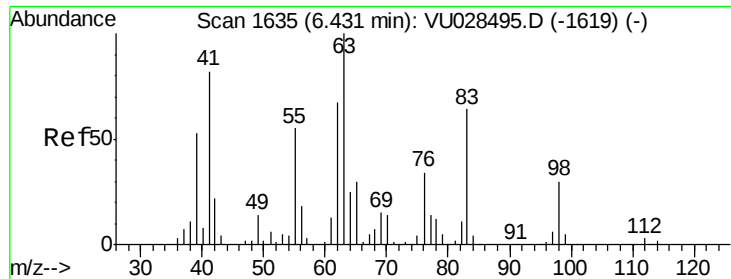
Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Tgt Ion:	130	Resp:	16953
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	224.0





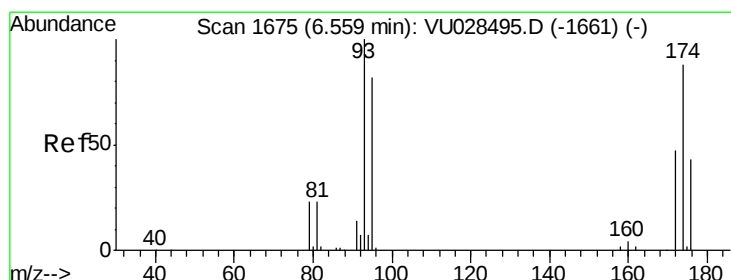
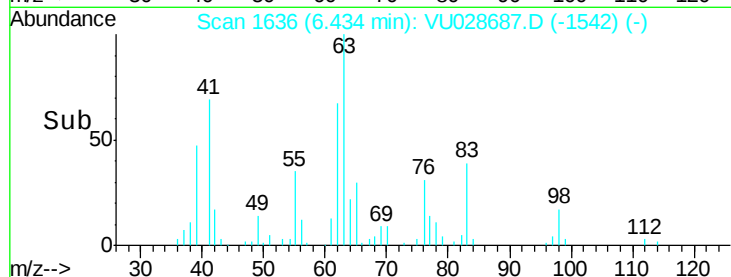
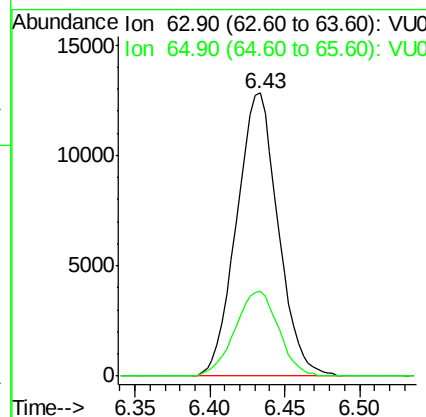
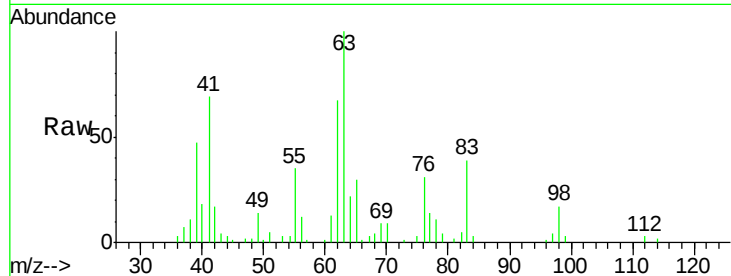
#45
 1,2-Dichloropropane
 Concen: 22.141 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBSD02

Tgt Ion: 63 Resp: 24766
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.2 36.4

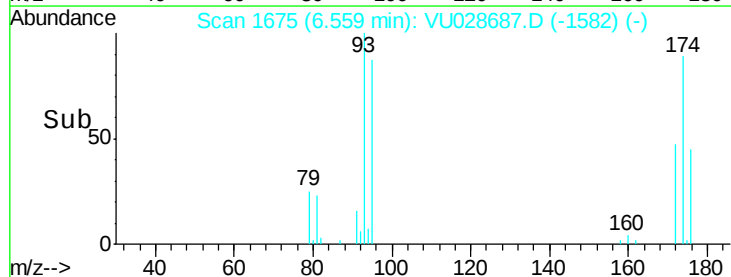
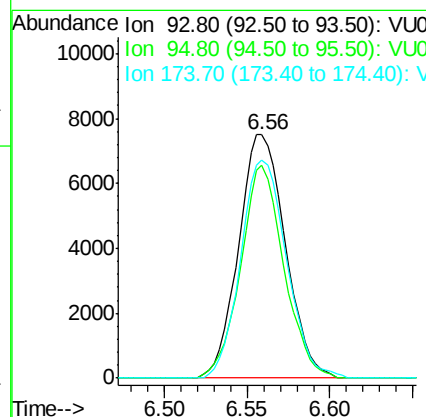
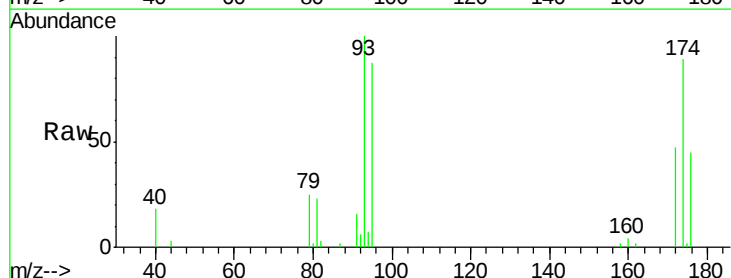
Manual Integrations
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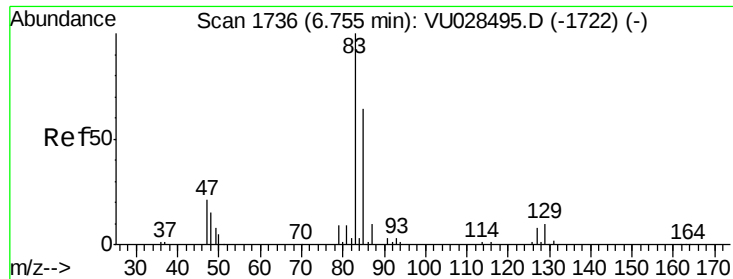
MMDadoda
 12/17/2018 9:48:49 AM



#46
 Dibromomethane
 Concen: 22.117 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion: 93 Resp: 14679
 Ion Ratio Lower Upper
 93 100
 95 80.9 65.4 98.2
 174 88.3 72.2 108.4





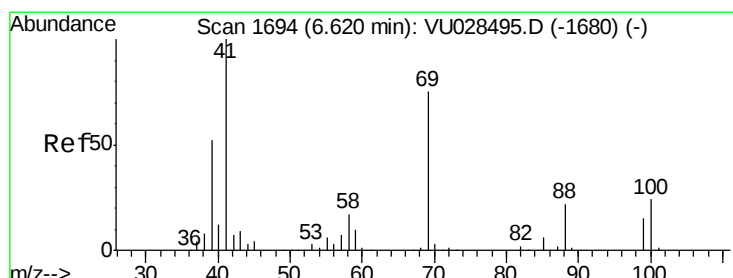
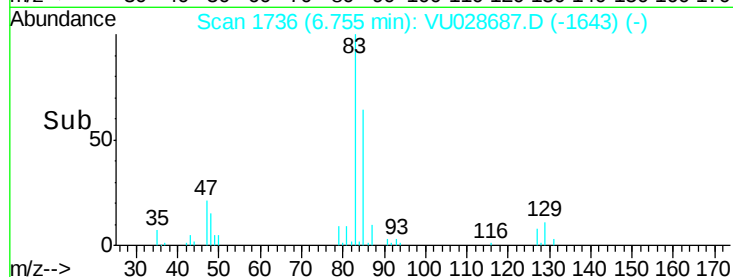
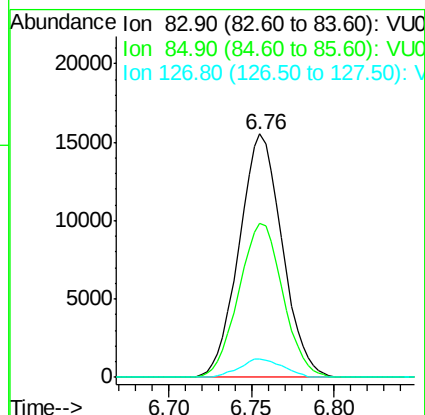
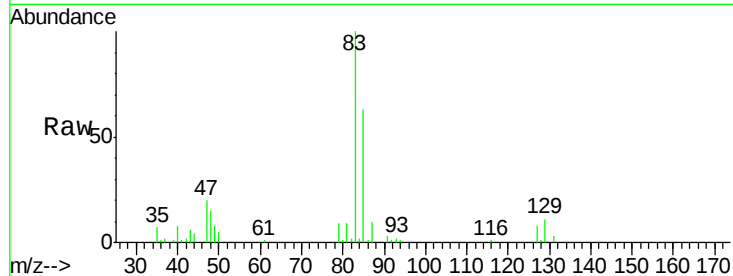
#47
 Bromodichloromethane
 Concen: 21.721 ug/l
 RT: 6.76 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.5	77.3
127	7.7	6.2	9.4

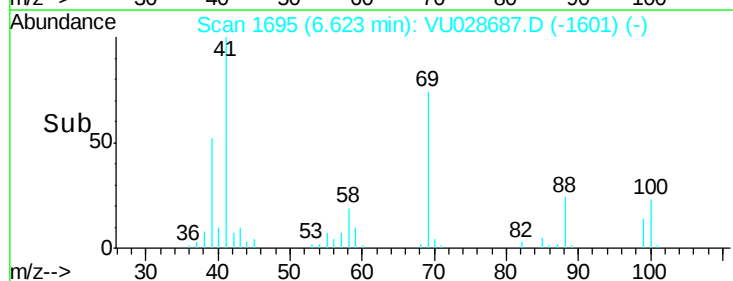
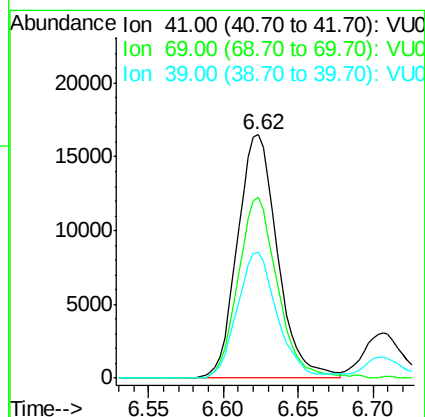
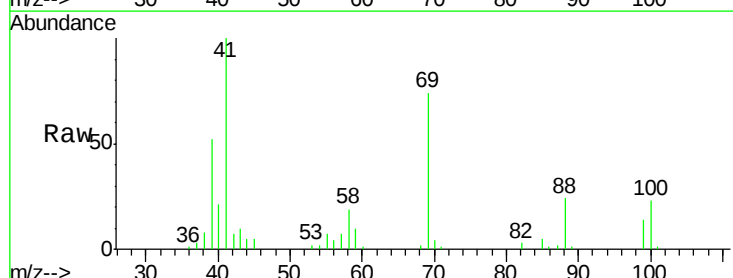
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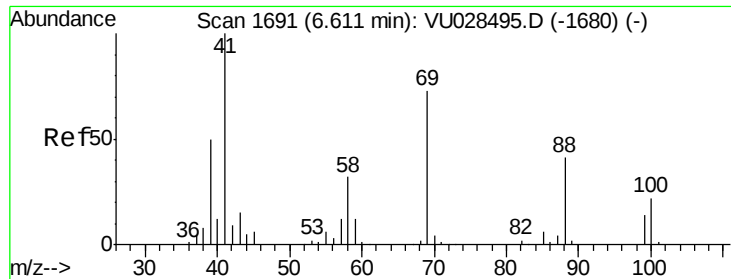
MMDadoda
 12/17/2018 9:48:49 AM



#48
 Methyl methacrylate
 Concen: 22.455 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
41	100		
69	72.3	60.4	90.6
39	51.5	41.1	61.7





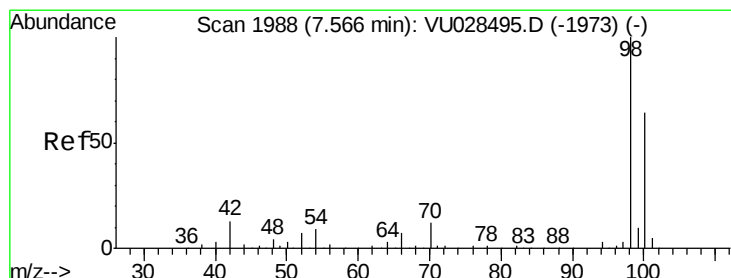
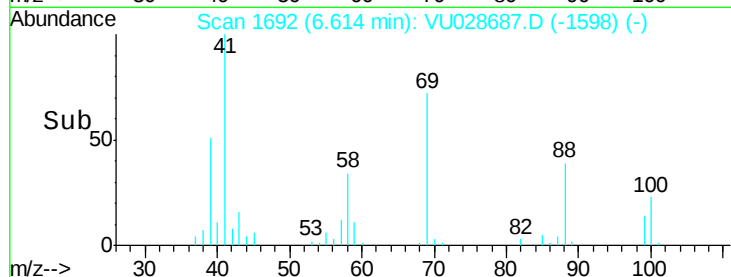
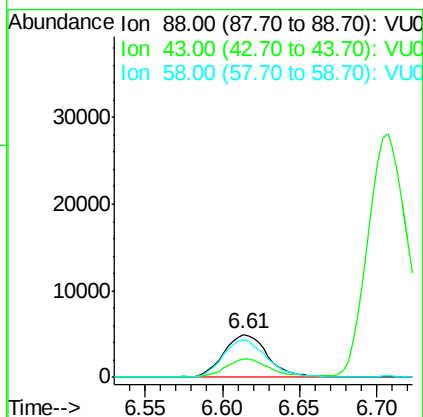
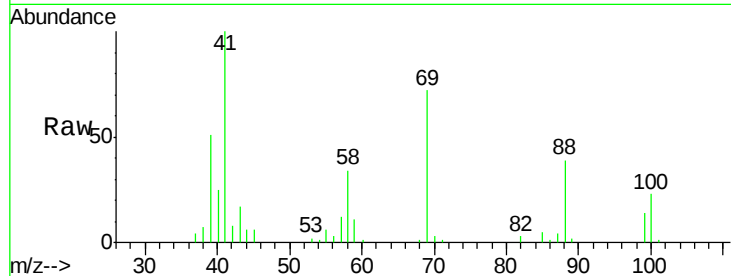
#49
1,4-Dioxane
Concen: 450.058 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBSD02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	45.1	30.9	46.3
58	87.2	62.4	93.6

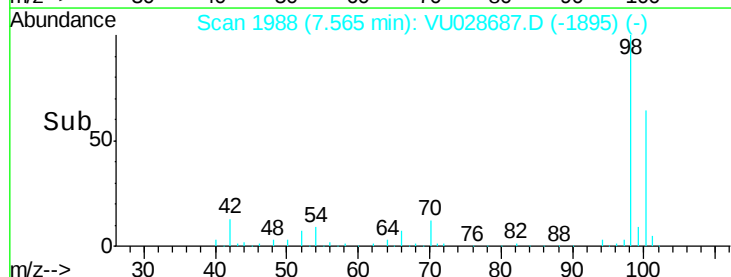
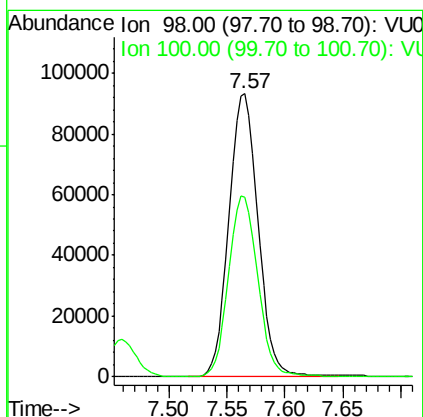
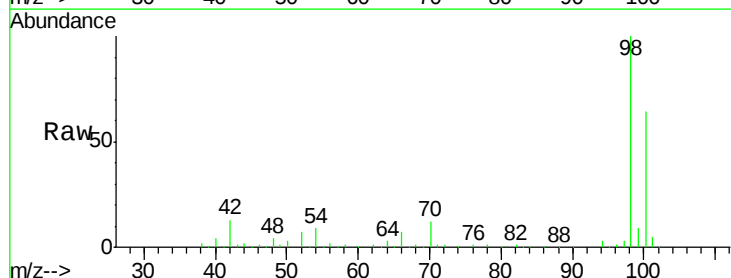
Manual Integrations
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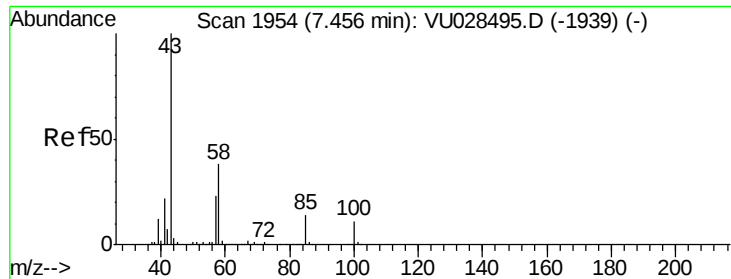
MMDadoda
12/17/2018 9:48:49 AM



#50
Toluene-d8
Concen: 52.929 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.0	76.6





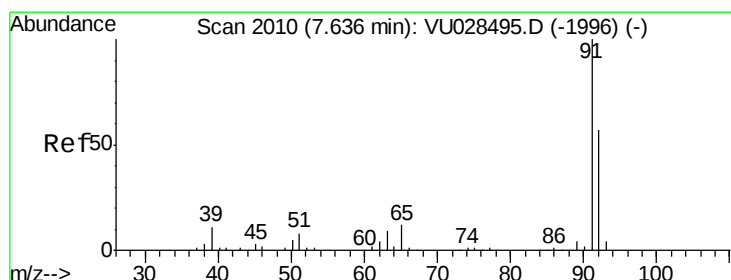
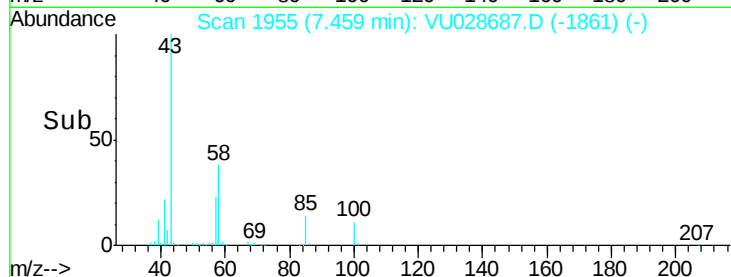
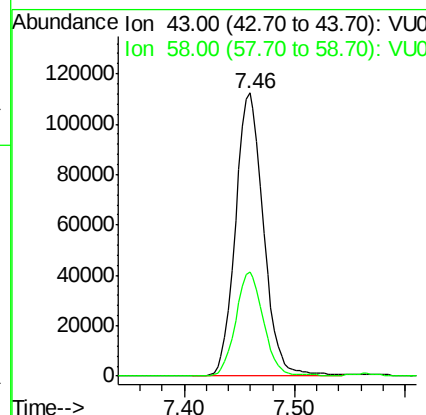
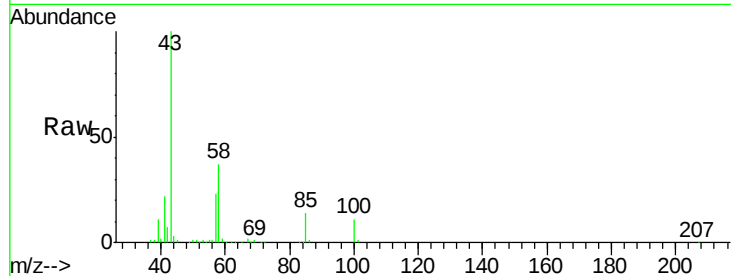
#51
4-Methyl-2-Pentanone
Concen: 113.718 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBSD02

Tgt Ion: 43 Resp: 198063
Ion Ratio Lower Upper
43 100
58 36.5 30.2 45.2

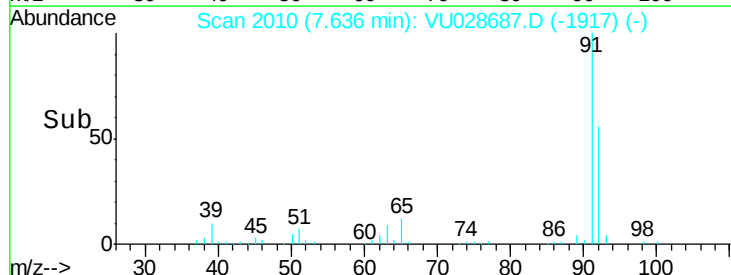
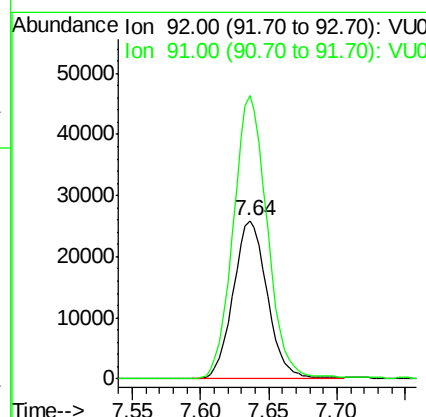
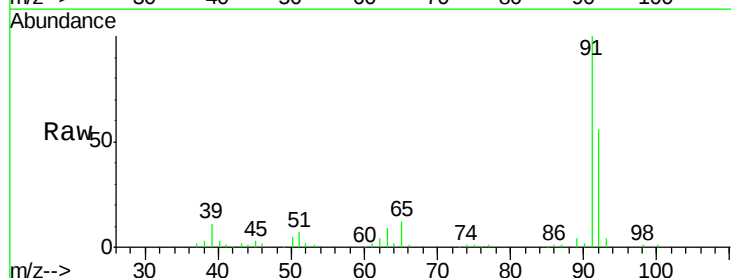
Manual Integrations
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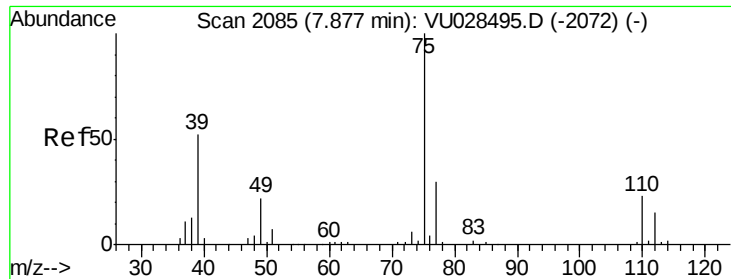
MMDadoda
12/17/2018 9:48:49 AM



#52
Toluene
Concen: 19.246 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion: 92 Resp: 45055
Ion Ratio Lower Upper
92 100
91 179.3 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 20.938 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBSD02

Tgt Ion: 75 Resp: 32205

Ion Ratio Lower Upper

75 100

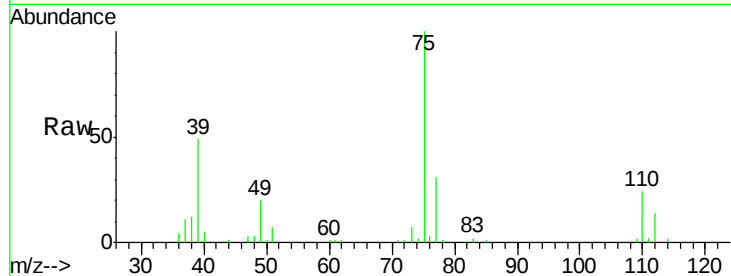
77 31.3 24.2 36.4

Manual Integrations

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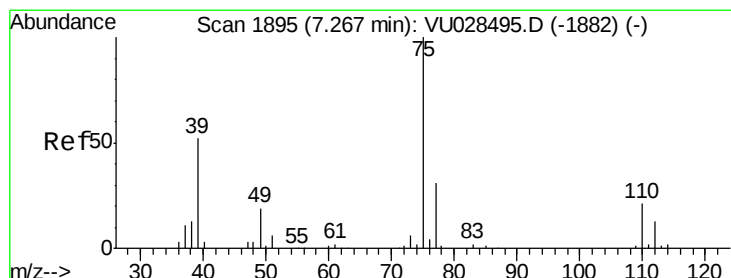
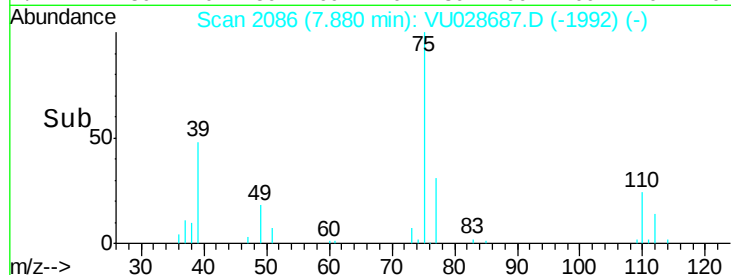
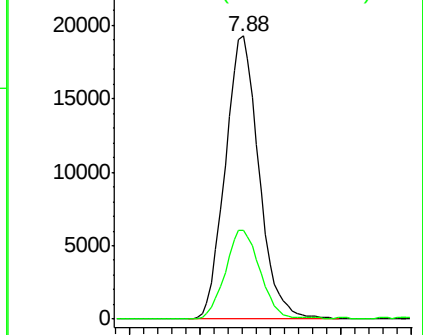
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 21.070 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

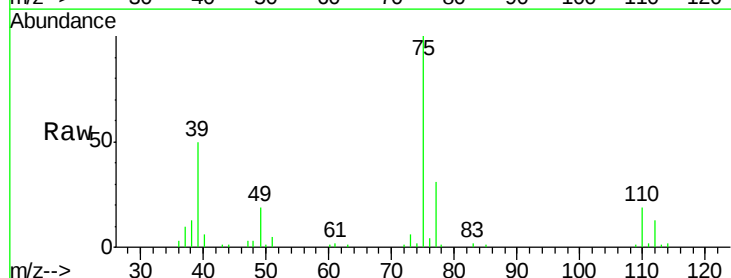
Tgt Ion: 75 Resp: 35161

Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.4

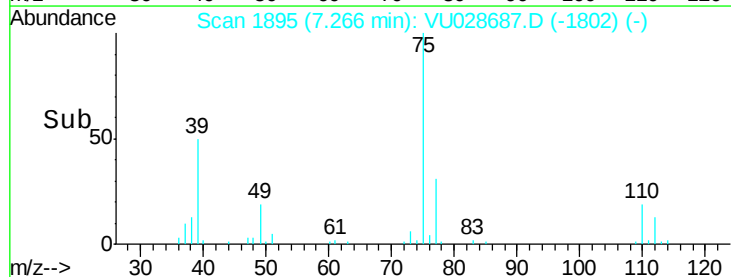
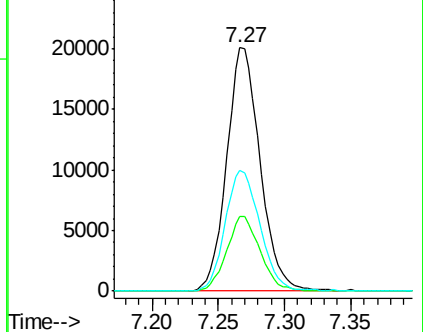
39 49.5 41.3 61.9

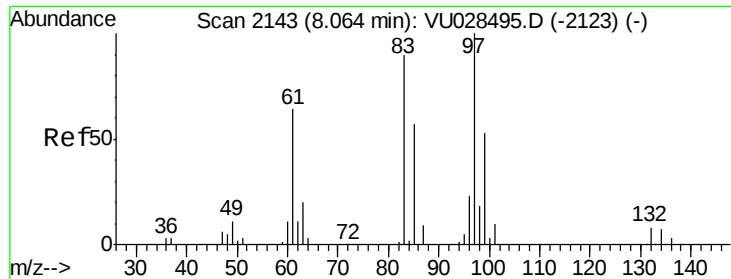


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





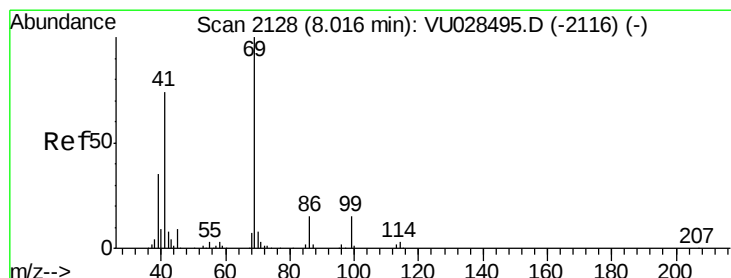
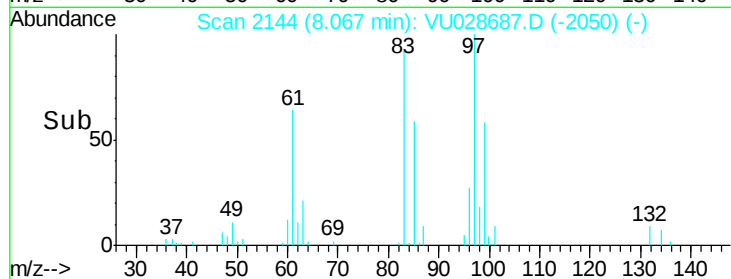
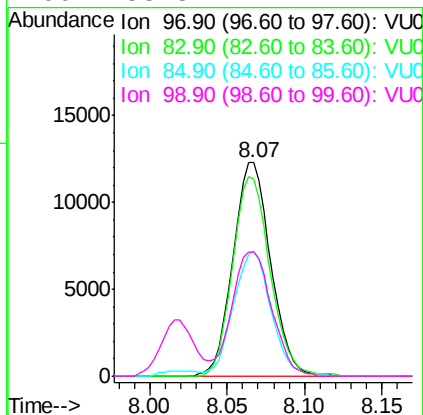
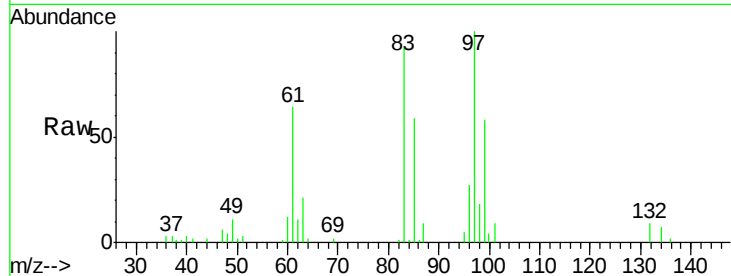
#55
 1,1,2-Trichloroethane
 Concen: 22.517 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBSD02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.0	72.4	108.6
85	58.7	46.0	69.0
99	58.3	47.4	71.2

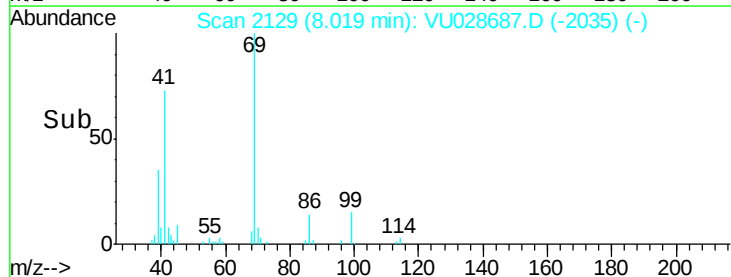
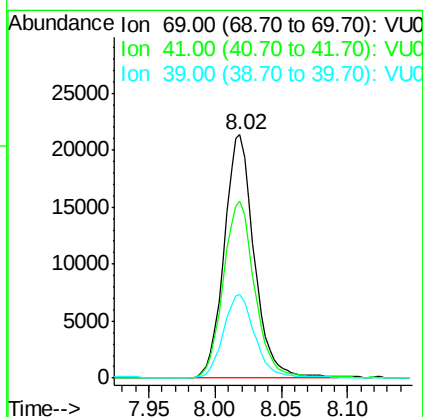
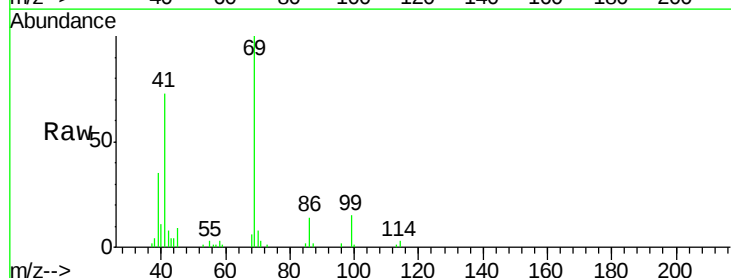
Manual Integrations
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 12/17/2018 9:48:49 AM



#56
 Ethyl methacrylate
 Concen: 21.200 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.8	59.1	88.7
39	35.9	28.4	42.6





#57

1,3-Dichloropropane

Concen: 20.912 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBSD02

Tgt Ion: 76 Resp: 35922

Ion Ratio Lower Upper

76 100

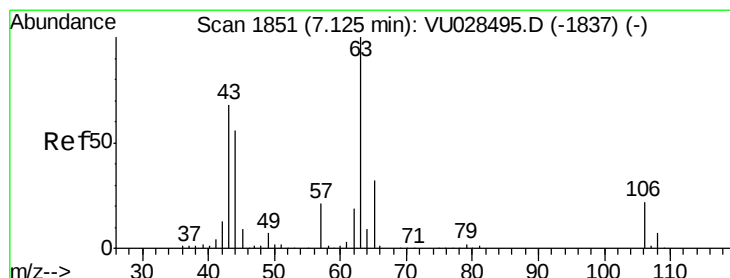
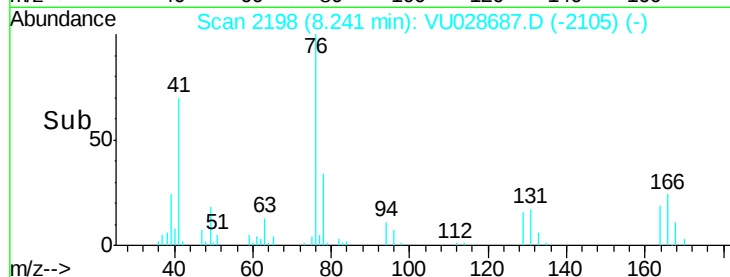
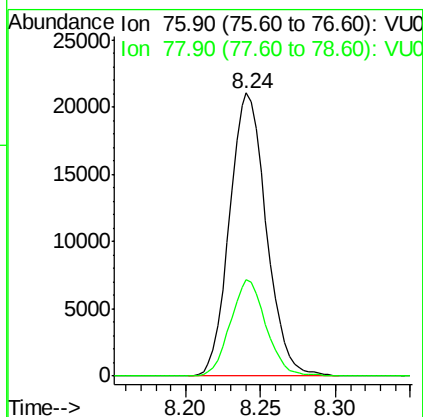
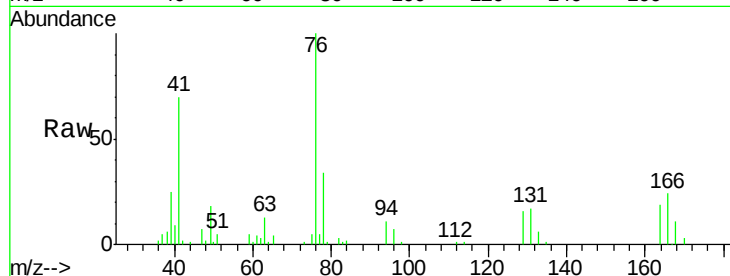
78 33.1 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 109.222 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028687.D

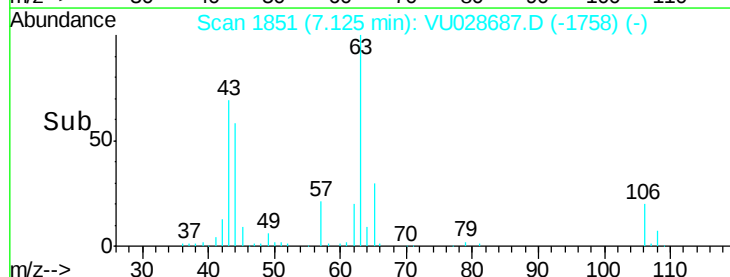
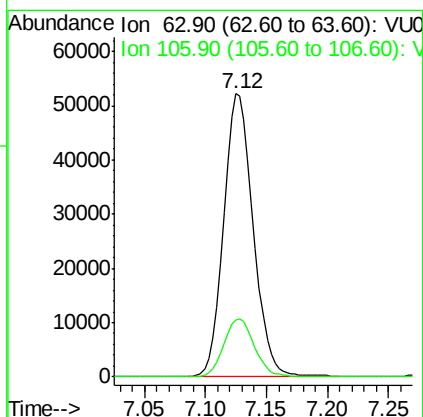
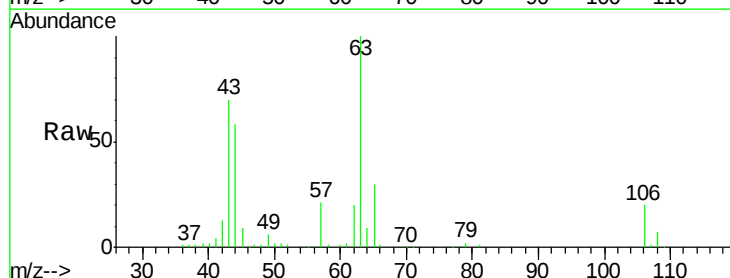
Acq: 14 Dec 2018 16:51

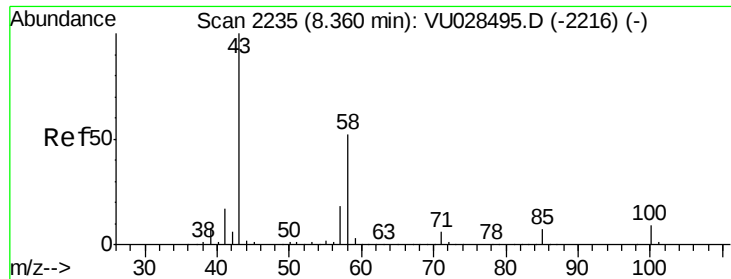
Tgt Ion: 63 Resp: 88652

Ion Ratio Lower Upper

63 100

106 21.4 17.8 26.6





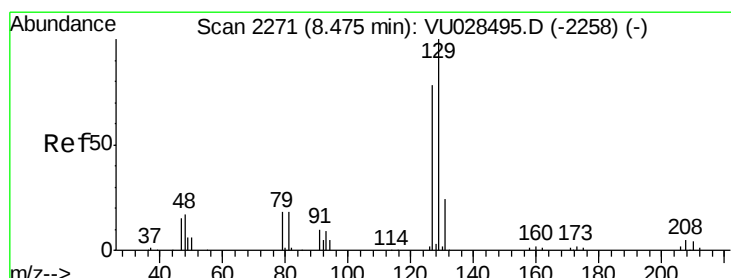
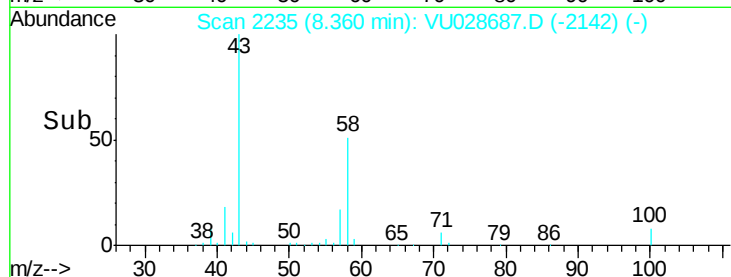
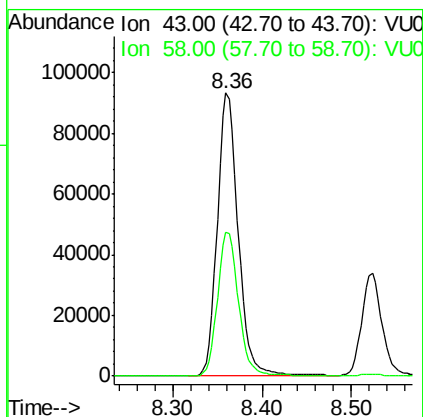
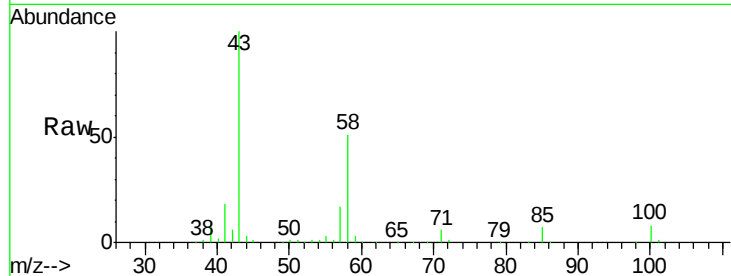
#59
2-Hexanone
Concen: 110.038 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBSD02

Tgt Ion: 43 Resp: 151906
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.6

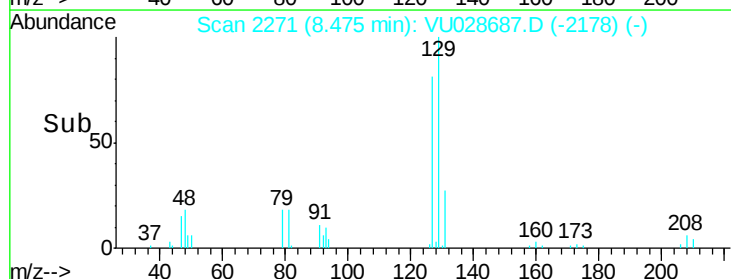
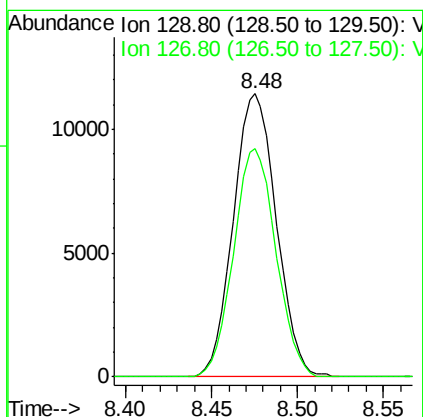
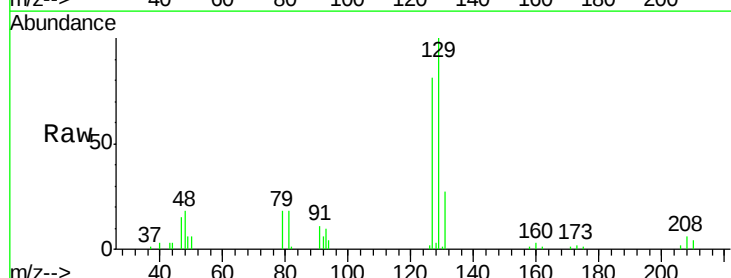
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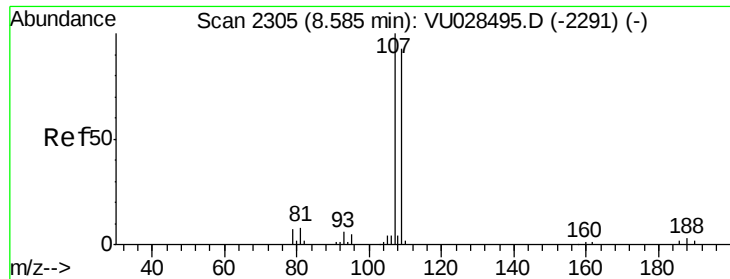
MMDadoda
12/17/2018 9:48:49 AM



#60
Dibromochloromethane
Concen: 21.872 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion: 129 Resp: 19816
Ion Ratio Lower Upper
129 100
127 79.4 39.1 117.3





#61

1,2-Dibromoethane

Concen: 21.983 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBSD02

Tgt Ion: 107 Resp: 21332

Ion Ratio Lower Upper

107 100

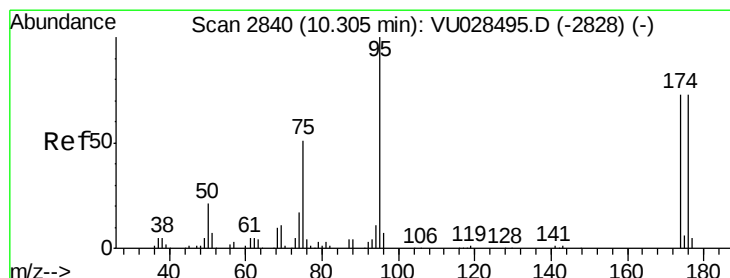
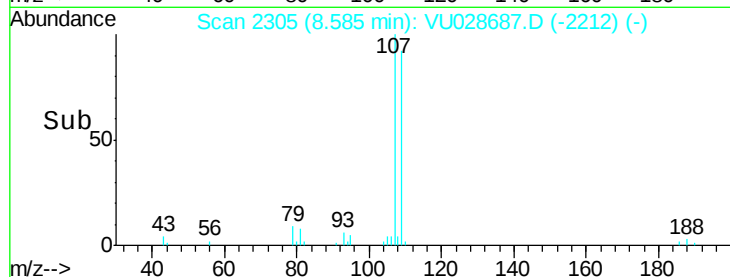
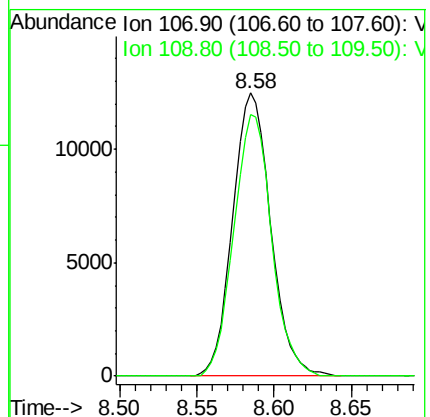
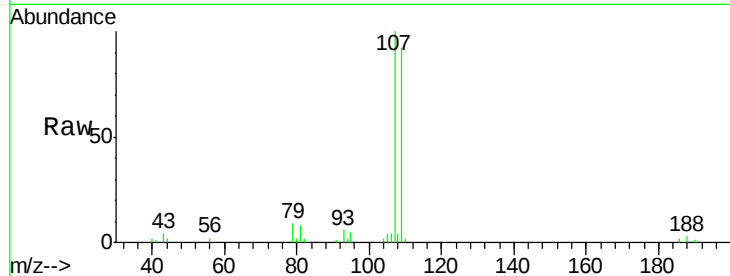
109 92.1 74.5 111.7

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#62

4-Bromofluorobenzene

Concen: 51.547 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

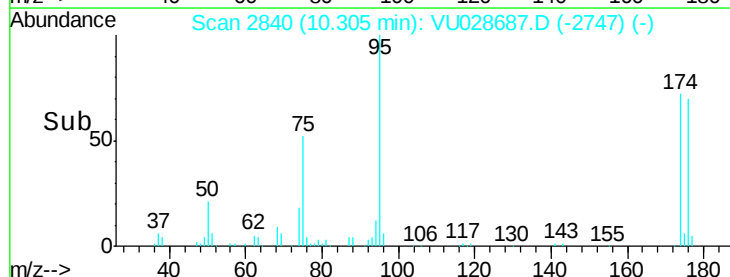
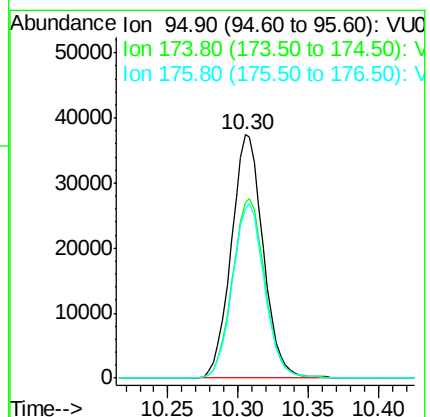
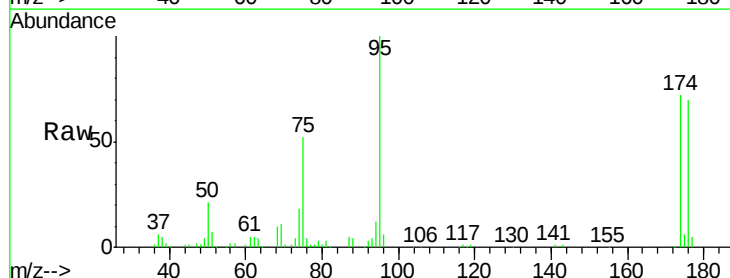
Tgt Ion: 95 Resp: 59195

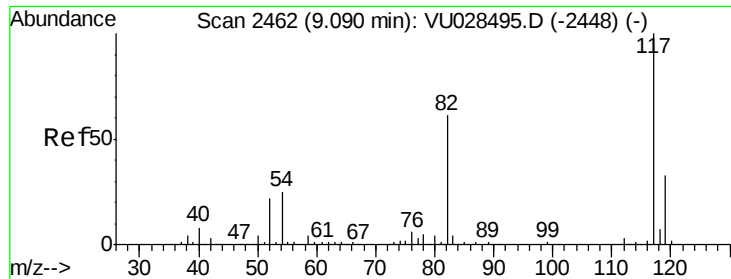
Ion Ratio Lower Upper

95 100

174 75.0 0.0 150.4

176 72.2 0.0 145.2





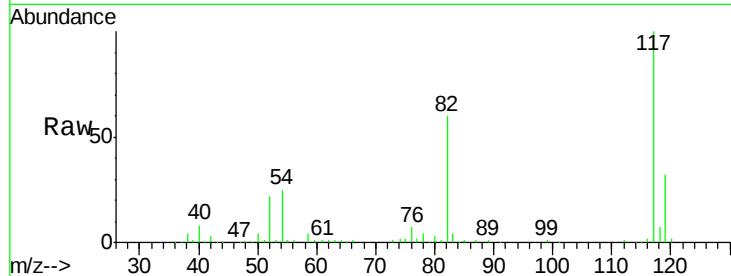
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBSD02

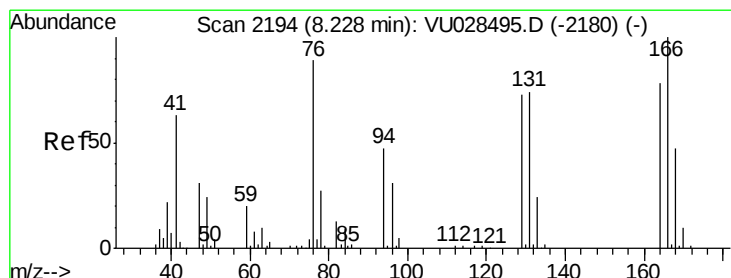
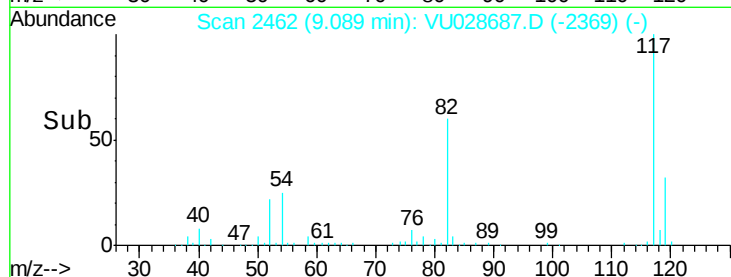
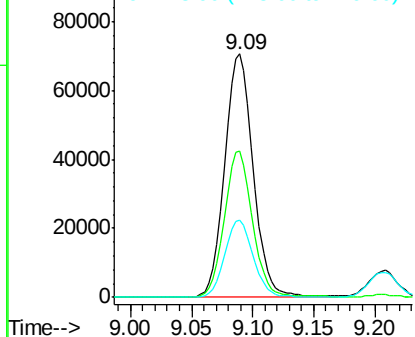
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	116378		
82	59.9	48.9	73.3	
119	31.8	26.2	39.4	

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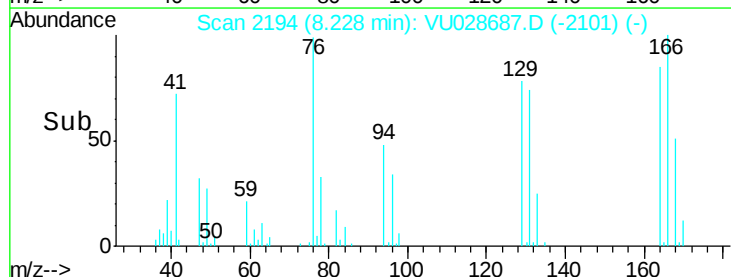
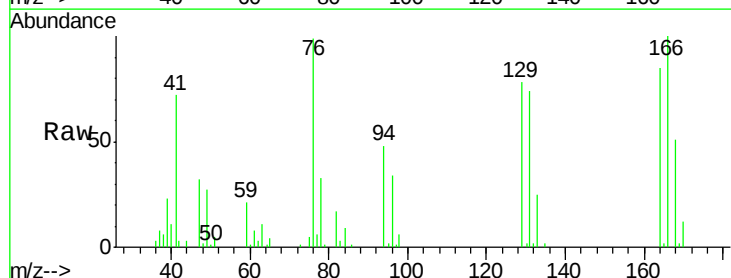
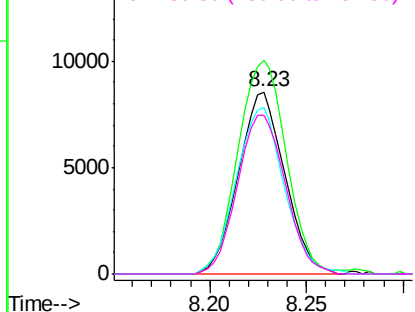
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

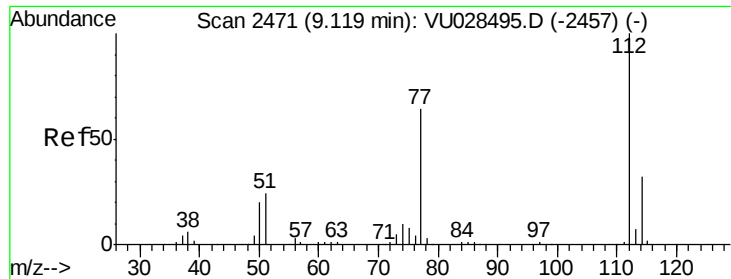


#64
Tetrachloroethene
Concen: 18.369 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	14259		
166	117.5	101.9	152.9	
129	91.9	74.9	112.3	
131	87.3	75.4	113.0	

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





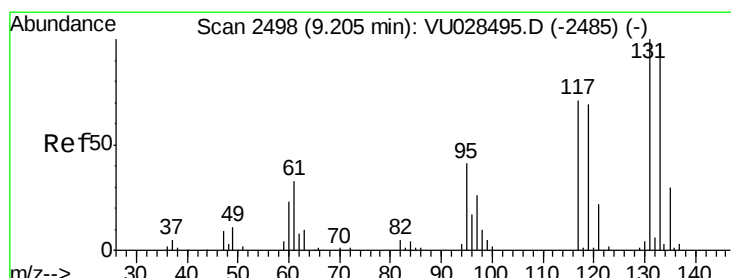
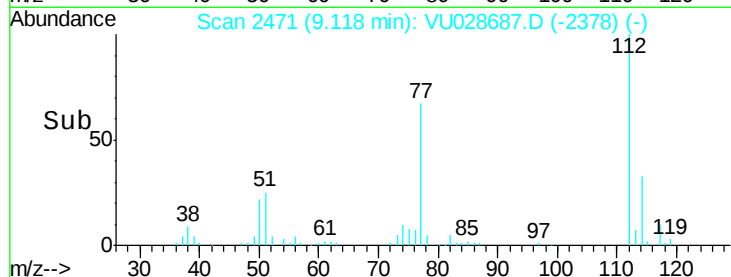
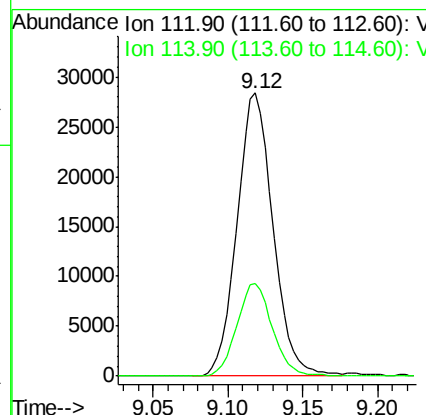
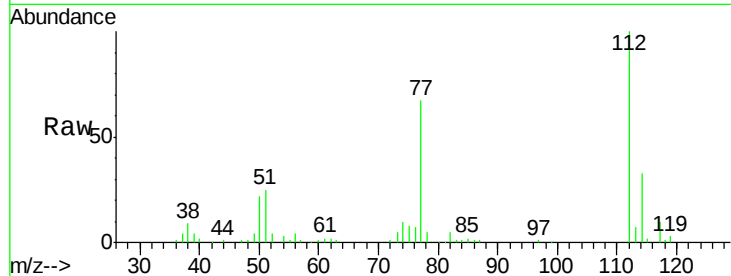
#65
Chlorobenzene
Concen: 19.194 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBSD02

Tgt Ion:112 Resp: 47600
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9

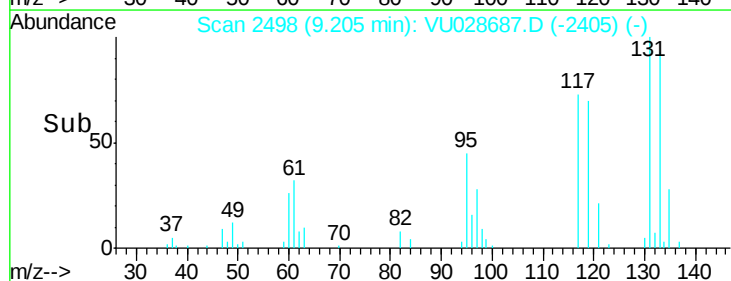
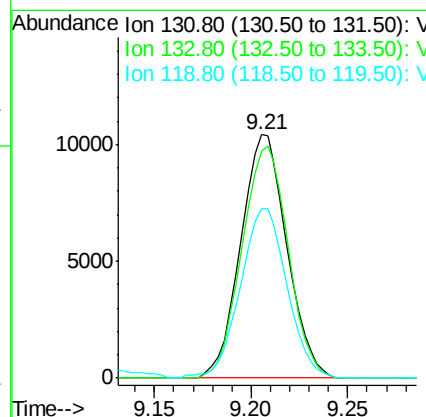
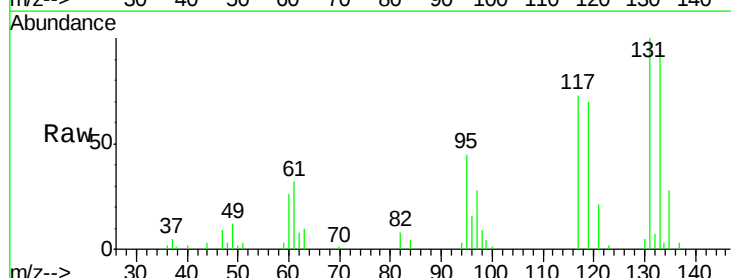
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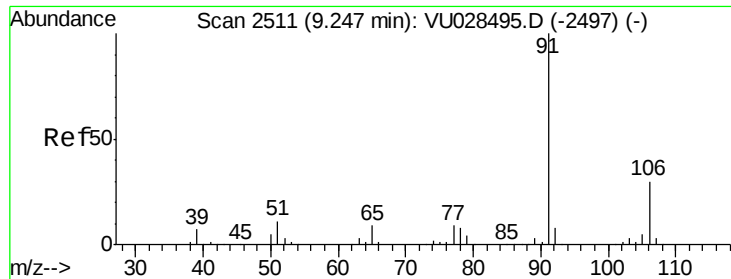
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.810 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion:131 Resp: 17272
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.0
119 70.3 34.6 103.9





#67

Ethyl Benzene

Concen: 18.534 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBSD02

Tgt Ion: 91 Resp: 84495

Ion Ratio Lower Upper

91 100

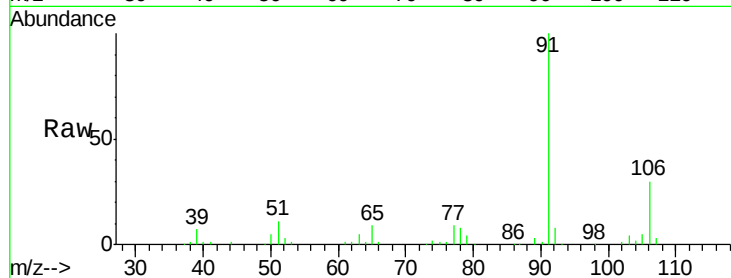
106 30.3 24.1 36.1

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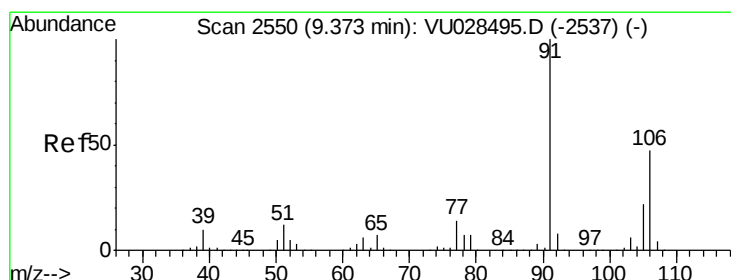
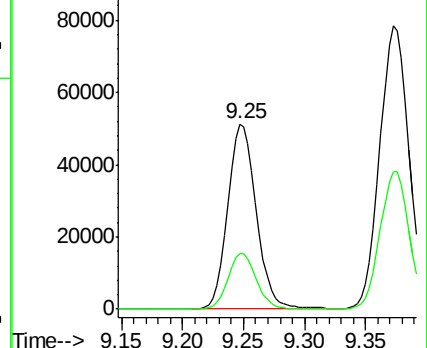
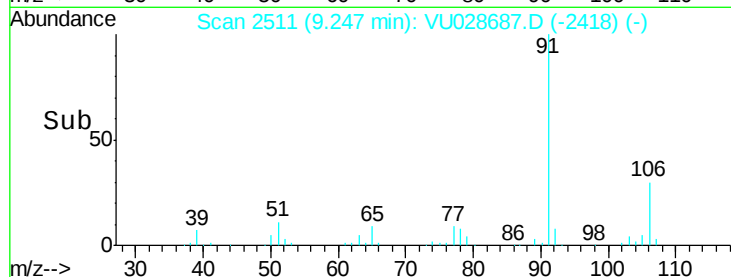
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Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2497) (-)

Ion 106.00 (105.70 to 106.70): VU028495.D (-2497) (-)



#68

m/p-Xylenes

Concen: 38.394 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028687.D

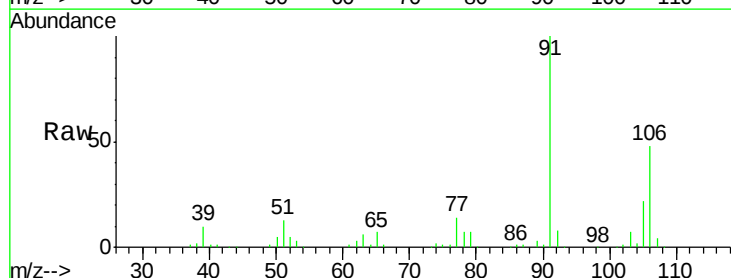
Acq: 14 Dec 2018 16:51

Tgt Ion: 106 Resp: 63689

Ion Ratio Lower Upper

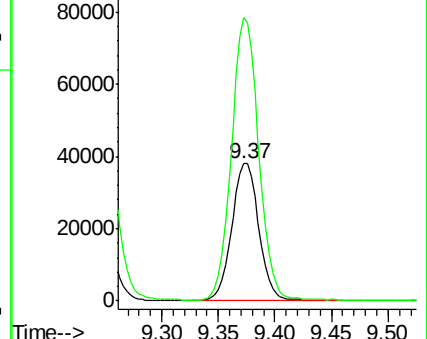
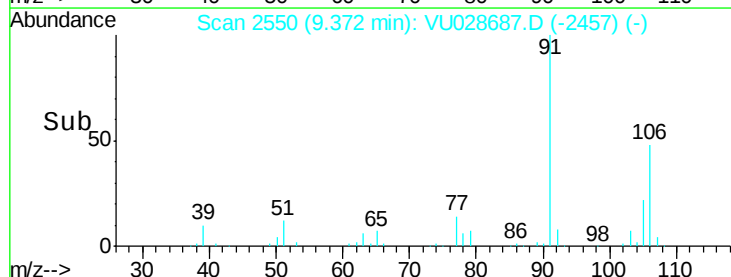
106 100

91 207.5 167.4 251.0



Abundance Ion 106.00 (105.70 to 106.70): VU028495.D (-2537) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-2537) (-)





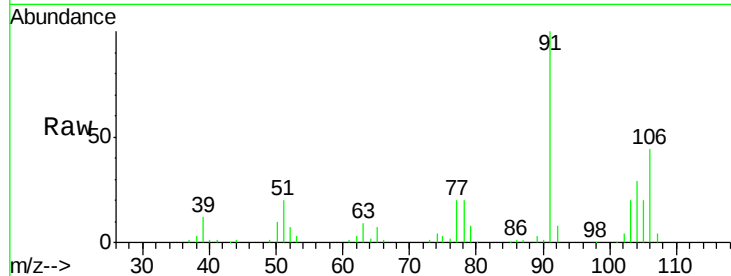
#69
o-Xylene
Concen: 19.195 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBSD02

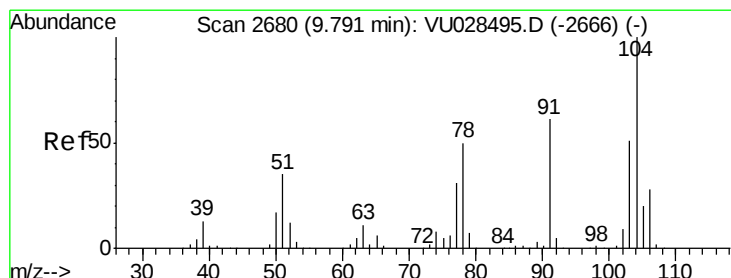
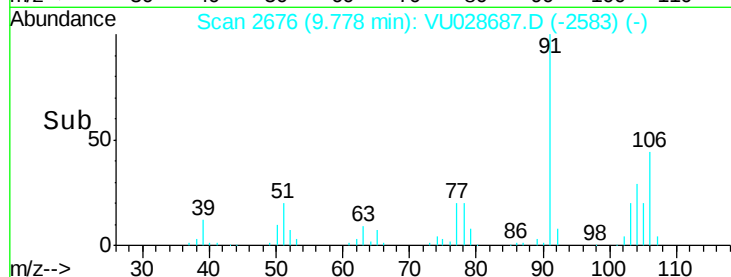
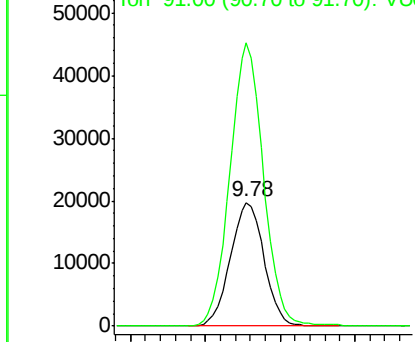
Tgt Ion:106 Resp: 30944
Ion Ratio Lower Upper
106 100
91 227.0 111.3 334.0

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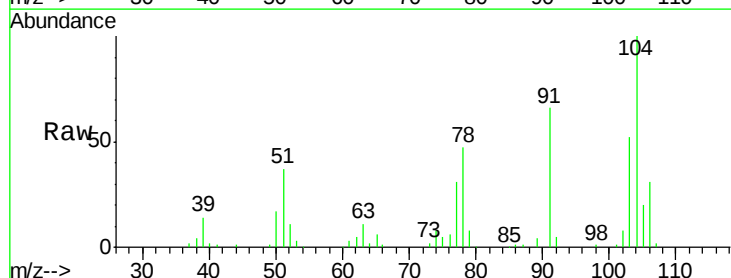


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

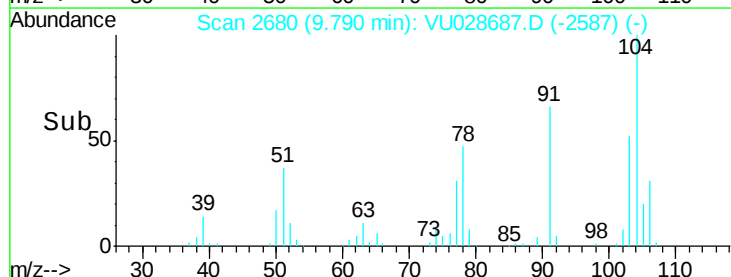
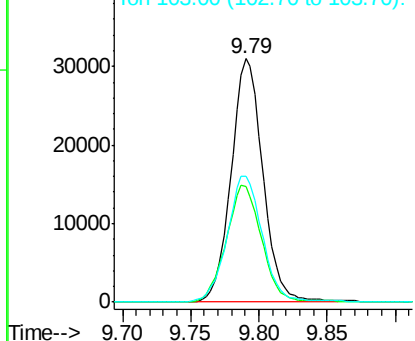


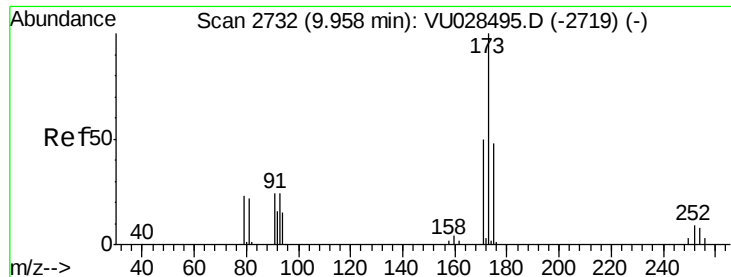
#70
Styrene
Concen: 18.790 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion:104 Resp: 50130
Ion Ratio Lower Upper
104 100
78 53.5 43.0 64.6
103 57.3 44.2 66.4



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





#71

Bromoform

Concen: 22.544 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

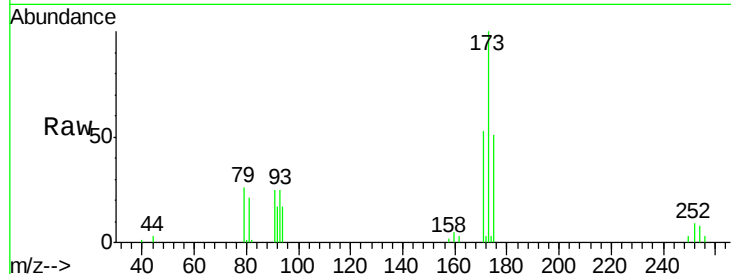
ClientSampleId :

VU1215WBSD02

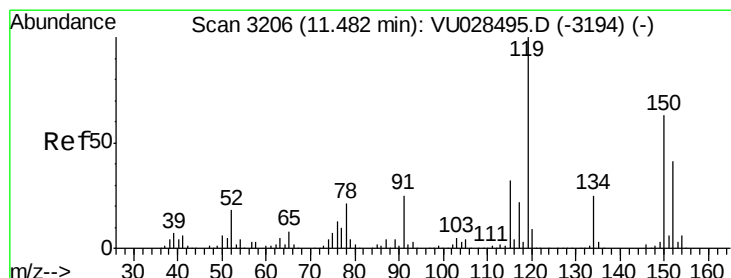
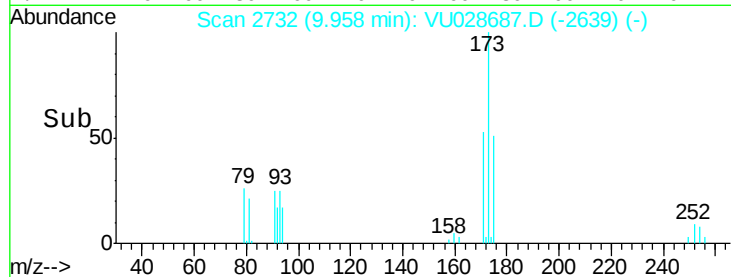
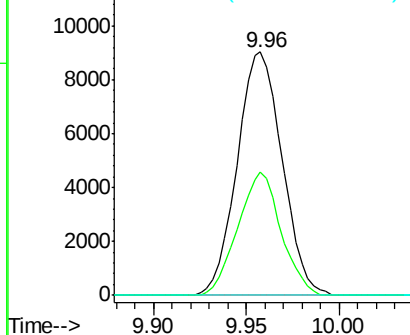
Tgt Ion:	173	Resp:	15187
Ion Ratio	Lower	Upper	
173	100		
175	48.7	23.9	71.8
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

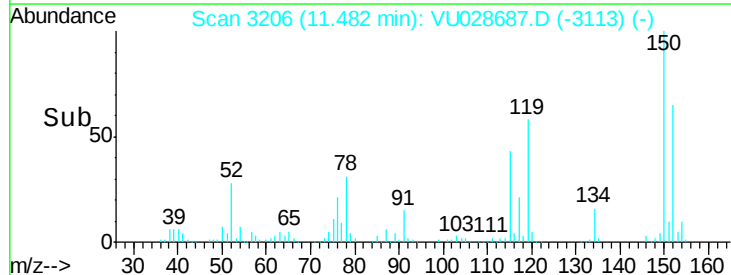
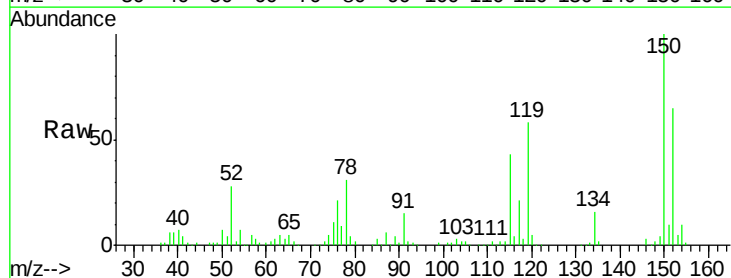
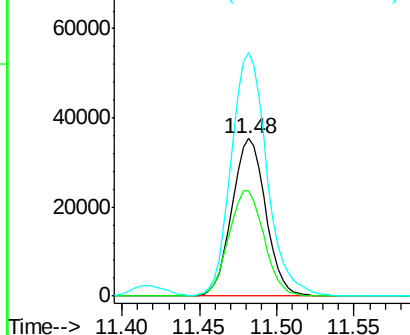
Delta R.T. -0.00 min

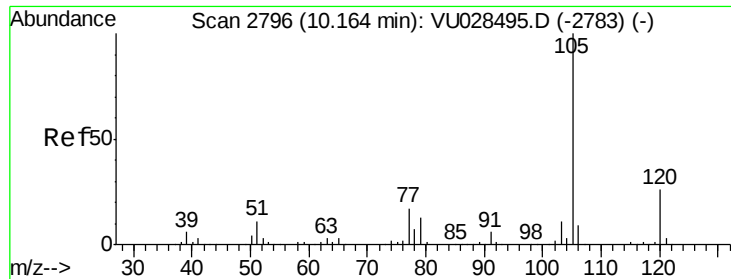
Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Tgt Ion:	152	Resp:	53542
Ion Ratio	Lower	Upper	
152	100		
115	69.8	42.7	128.1
150	163.5	0.0	346.0

Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.315 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBSD02

Tgt Ion: 105 Resp: 79357

Ion Ratio Lower Upper

105 100

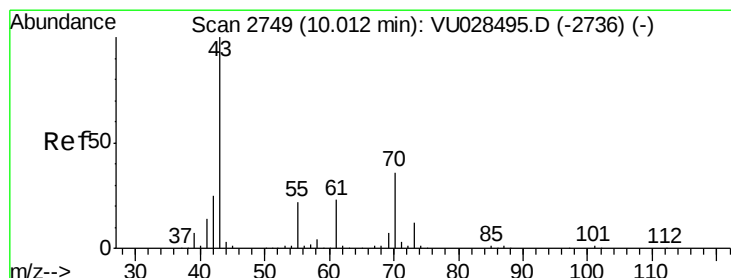
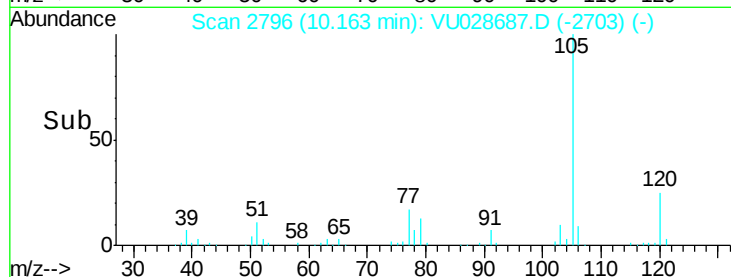
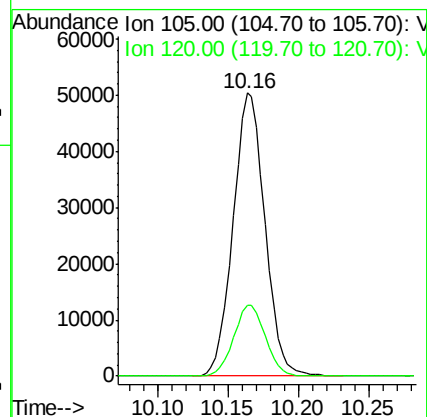
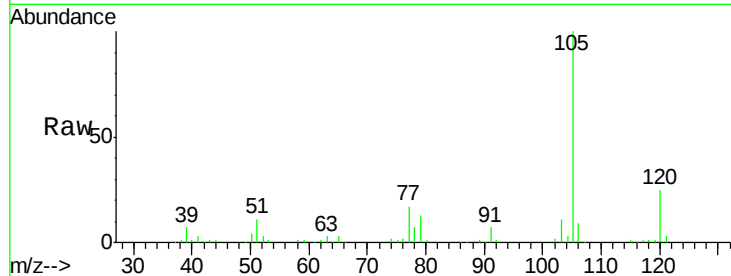
120 25.1 12.9 38.6

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#74

N-ethyl acetate

Concen: 22.012 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Tgt Ion: 43 Resp: 52166

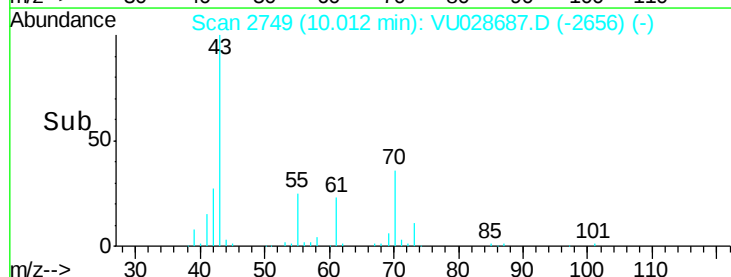
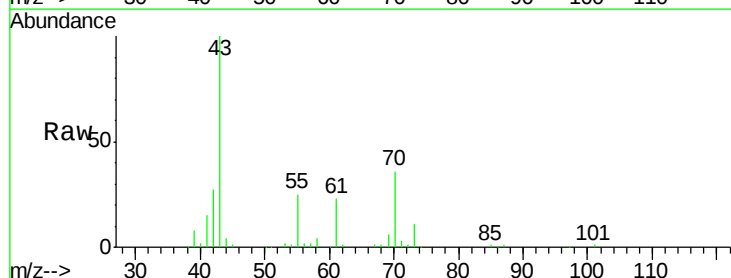
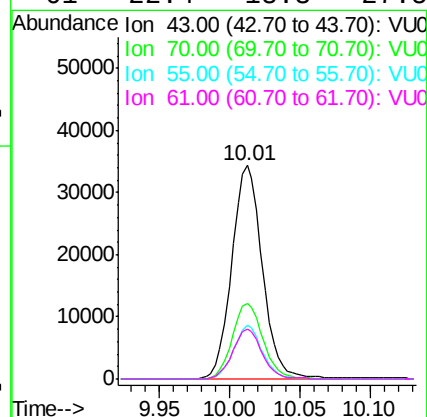
Ion Ratio Lower Upper

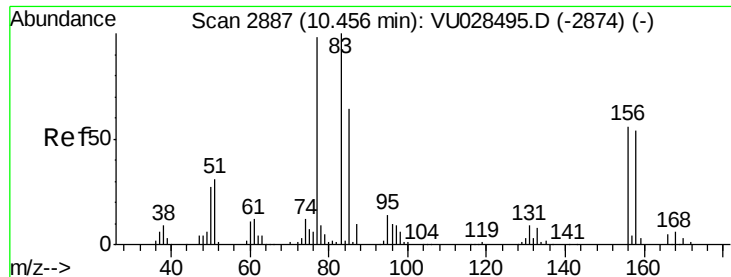
43 100

70 35.4 29.3 43.9

55 23.4 18.0 27.0

61 22.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 23.590 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

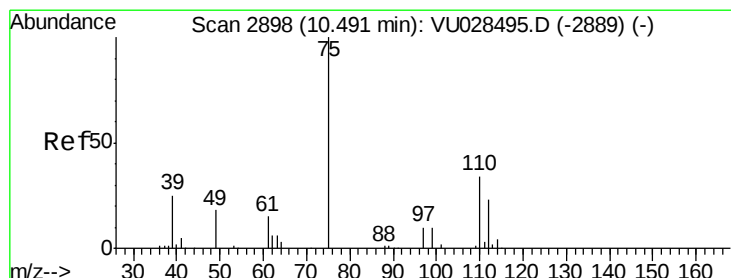
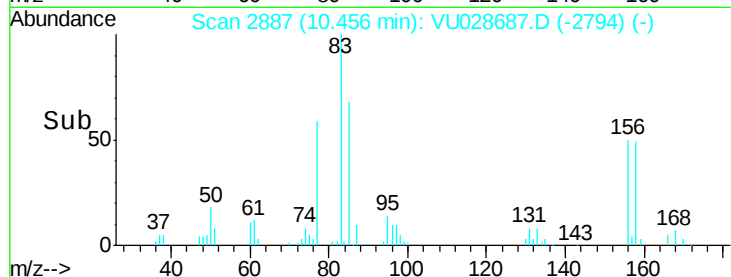
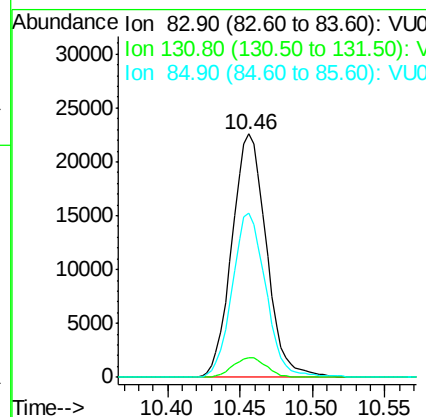
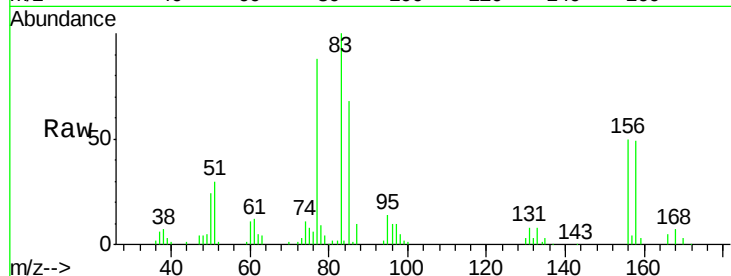
ClientSampleId :

VU1215WBSD02

Tgt Ion:	83	Resp:	37230
Ion Ratio	Lower	Upper	
83	100		
131	7.7	4.2	12.4
85	65.6	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 23.814 ug/l m

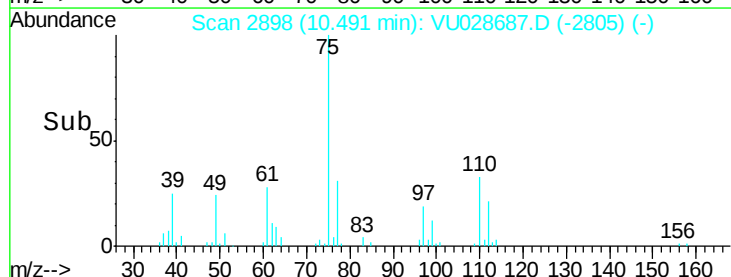
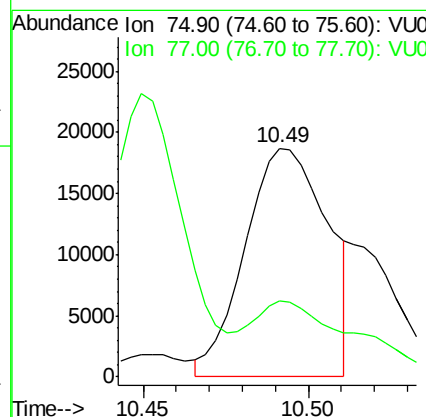
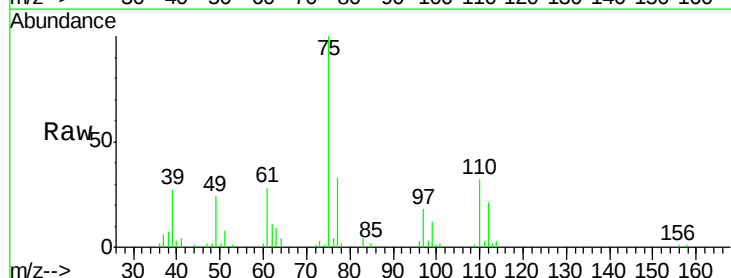
RT: 10.49 min Scan# 2898

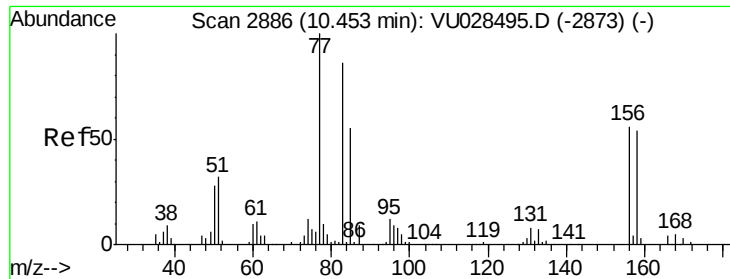
Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Tgt Ion:	75	Resp:	32558
Ion Ratio	Lower	Upper	
75	100		
77	41.5	20.8	62.4





#77

Bromobenzene

Concen: 20.860 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

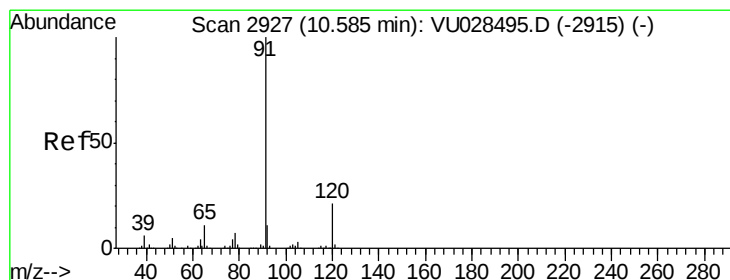
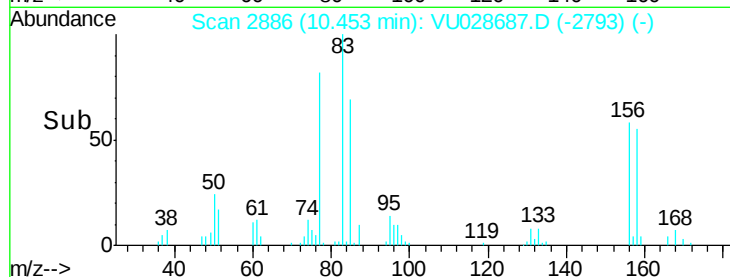
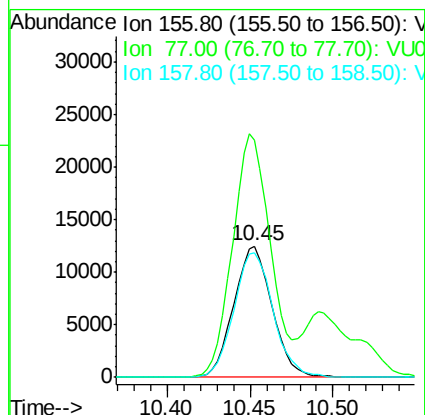
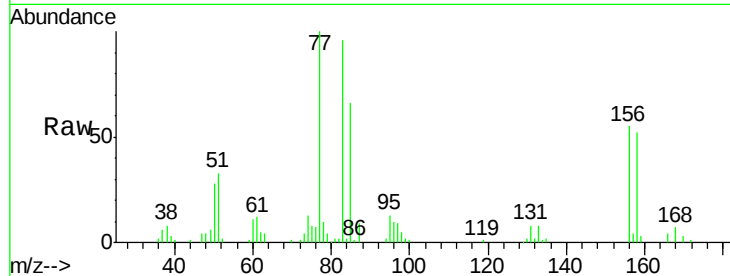
ClientSampleId :

VU1215WBSD02

Tgt Ion:	156	Resp:	20044
Ion Ratio	Lower	Upper	
156	100		
77	182.9	92.4	277.2
158	97.4	48.4	145.3

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#78

n-propylbenzene

Concen: 18.721 ug/l

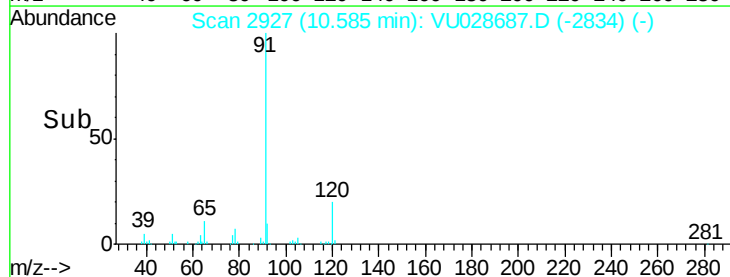
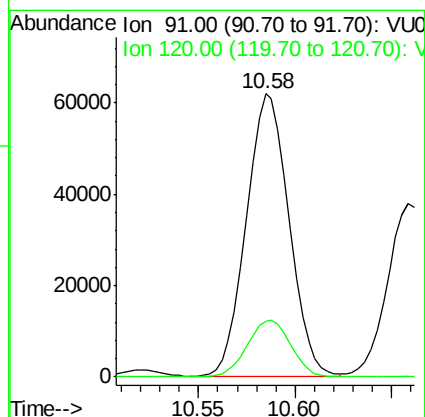
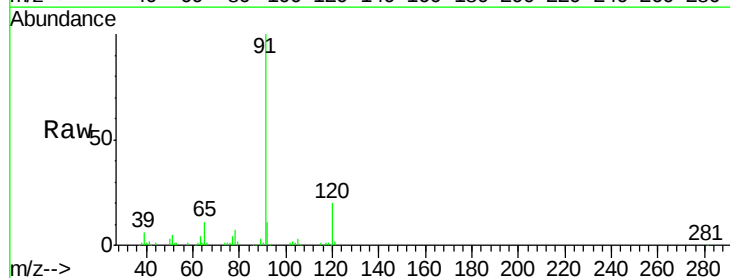
RT: 10.58 min Scan# 2927

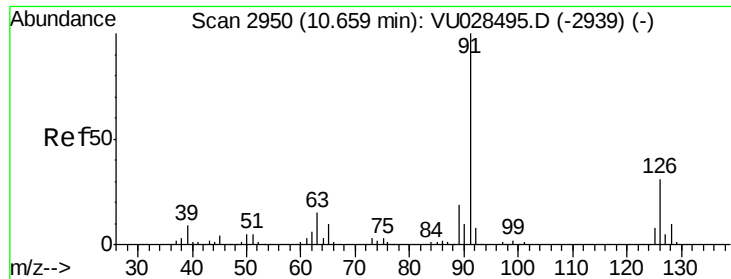
Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Tgt Ion:	91	Resp:	95572
Ion Ratio	Lower	Upper	
91	100		
120	20.4	10.6	31.8





#79

2-Chlorotoluene

Concen: 20.553 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBSD02

Tgt Ion: 91 Resp: 60440

Ion Ratio Lower Upper

91 100

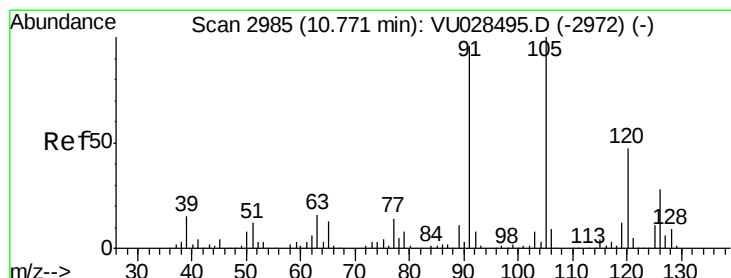
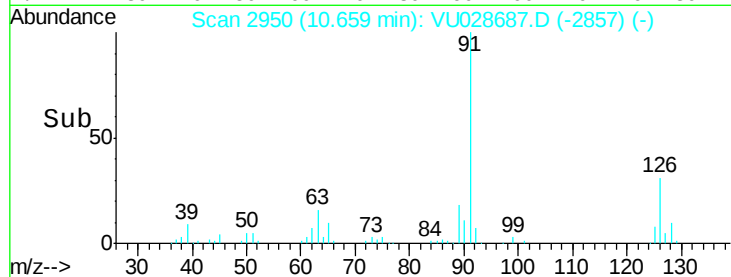
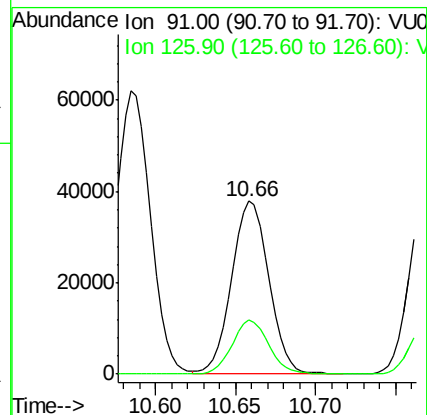
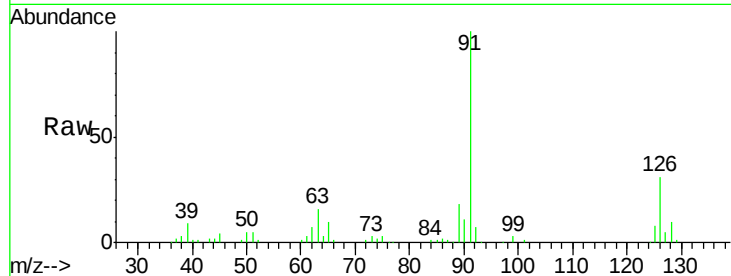
126 30.4 15.6 46.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.624 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028687.D

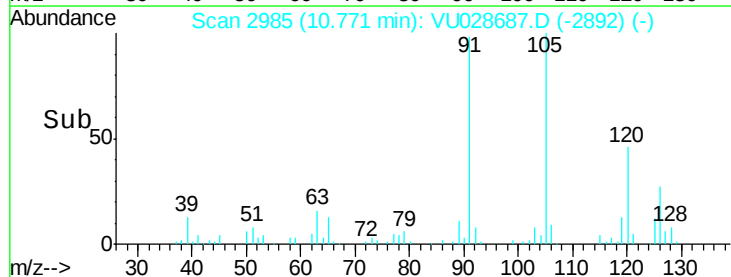
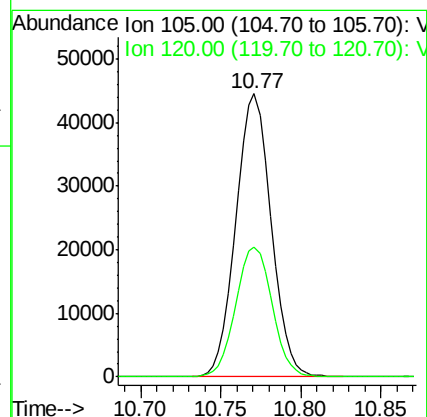
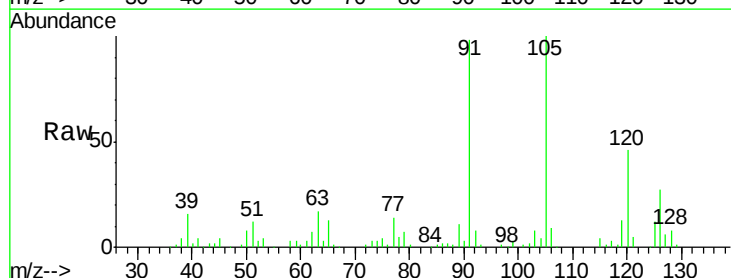
Acq: 14 Dec 2018 16:51

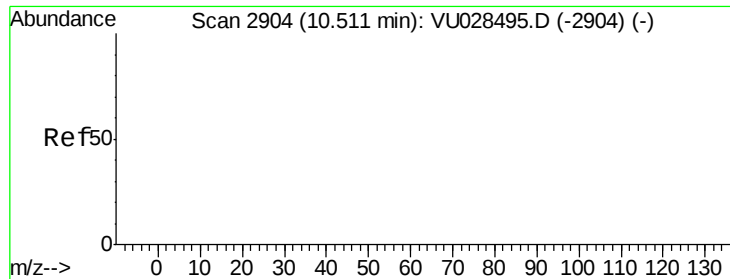
Tgt Ion: 105 Resp: 66740

Ion Ratio Lower Upper

105 100

120 47.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 24.769 ug/l m

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

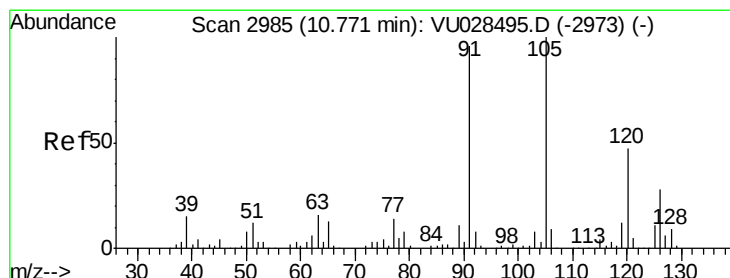
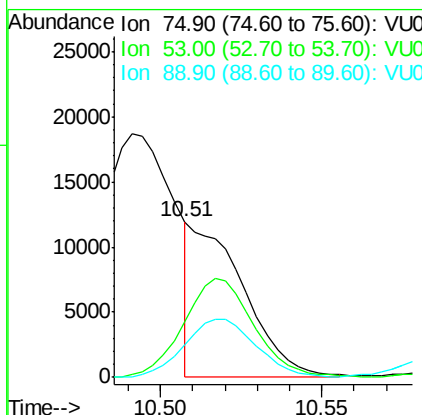
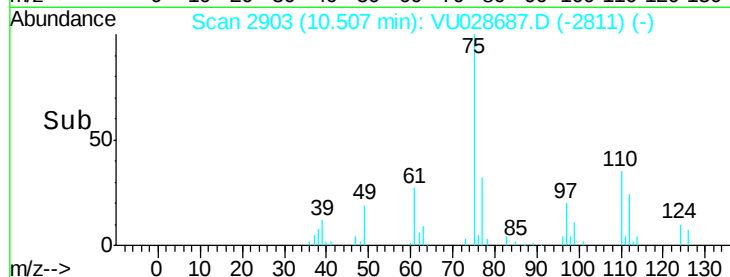
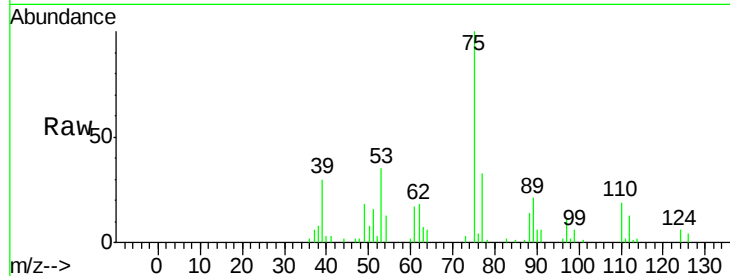
Instrument :
MSVOA_U

ClientSampleId :
VU1215WBSD02

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 19.481 ug/l

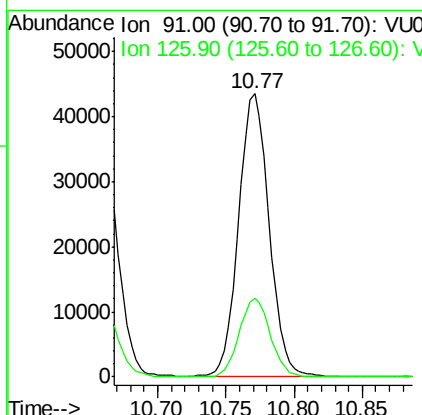
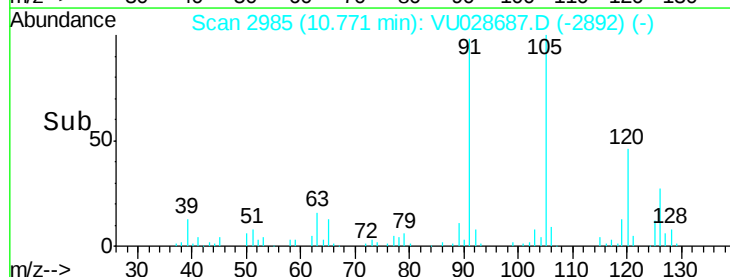
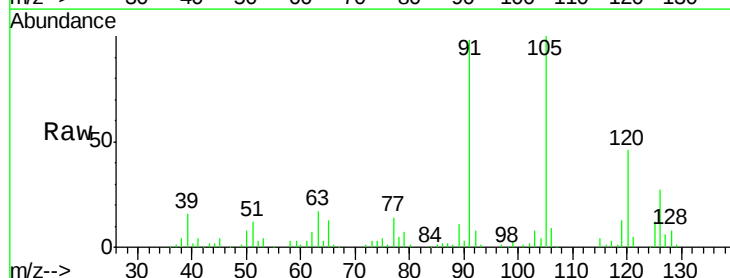
RT: 10.77 min Scan# 2985

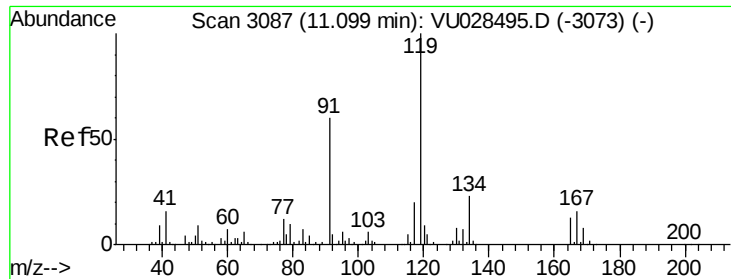
Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.1	42.3





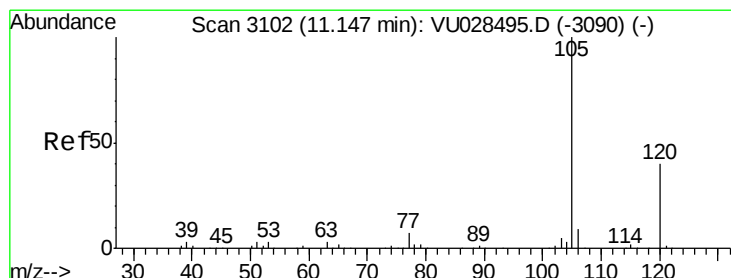
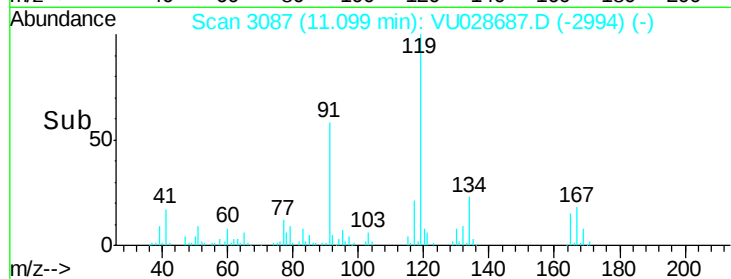
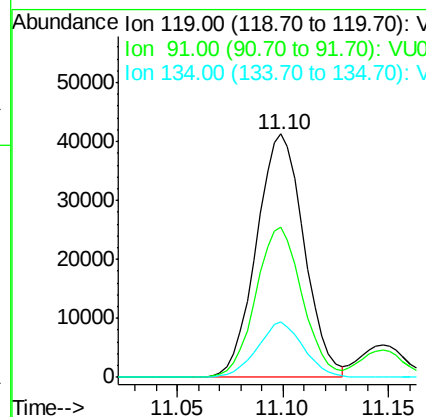
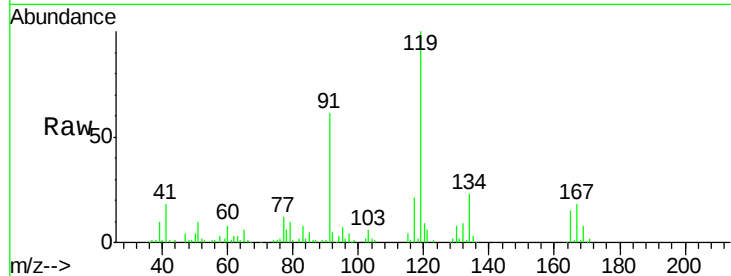
#83
 tert-Butylbenzene
 Concen: 19.762 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBSD02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	60.3	30.3	91.0
134	21.9	11.2	33.5

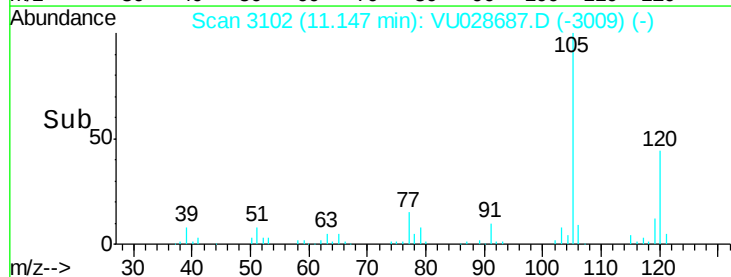
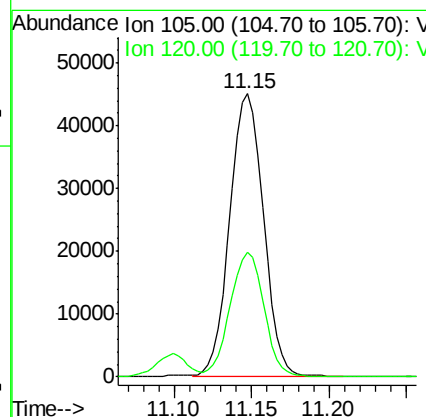
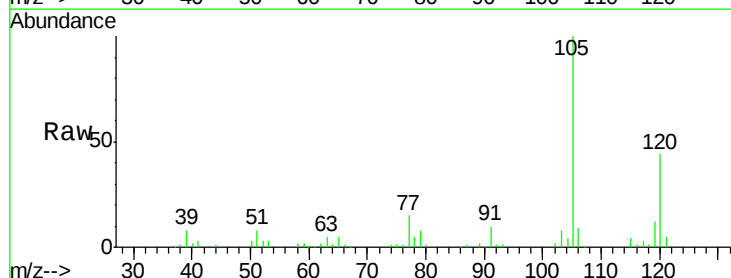
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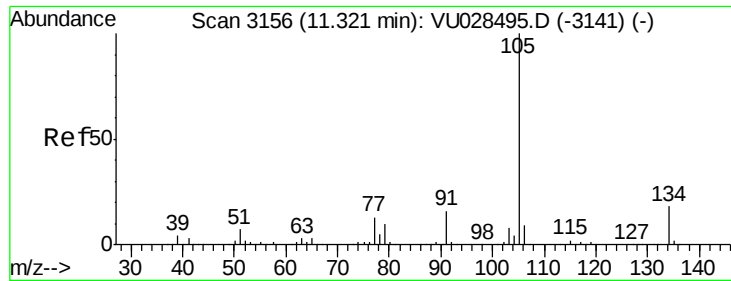
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.351 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	21.8	65.4





#85

sec-Butylbenzene

Concen: 18.695 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

Instrument :

MSVOA_U

ClientSampleId :

VU1215WBSD02

Tgt Ion:105 Resp: 78727

Ion Ratio Lower Upper

105 100

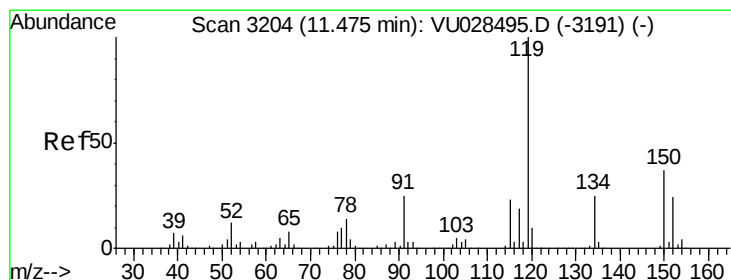
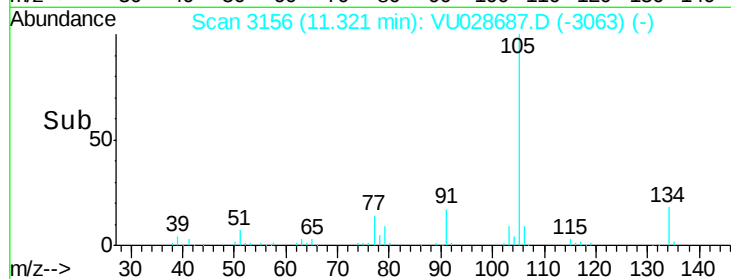
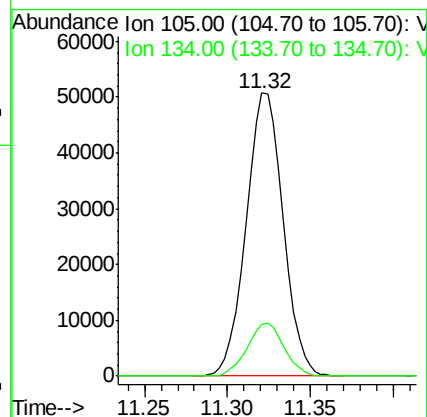
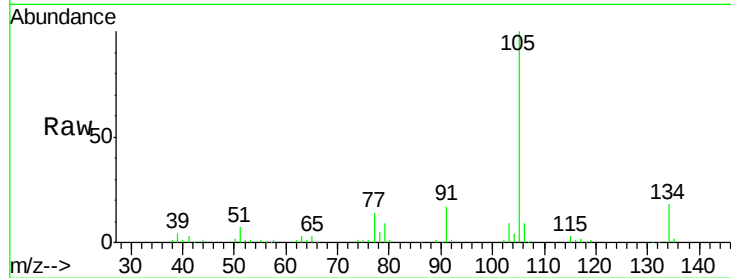
134 18.5 9.2 27.6

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#86

p-Isopropyltoluene

Concen: 18.123 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU028687.D

Acq: 14 Dec 2018 16:51

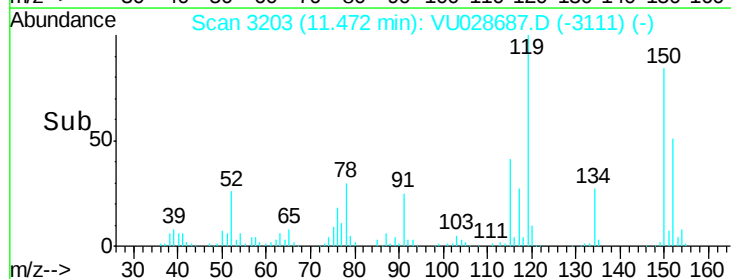
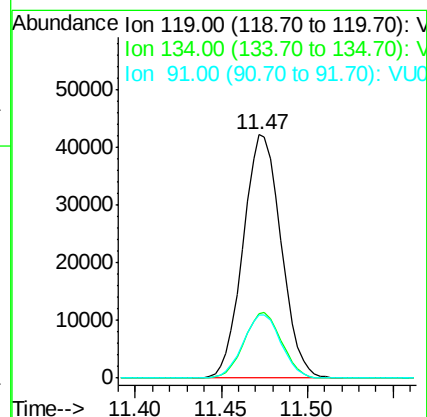
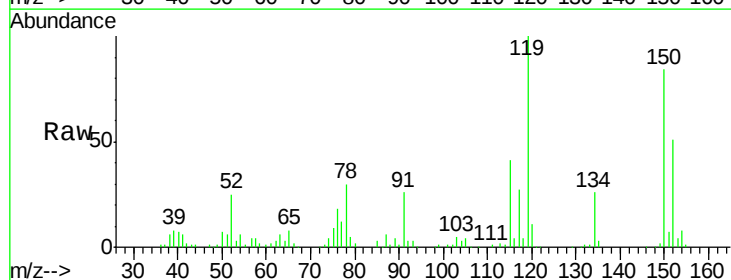
Tgt Ion:119 Resp: 64828

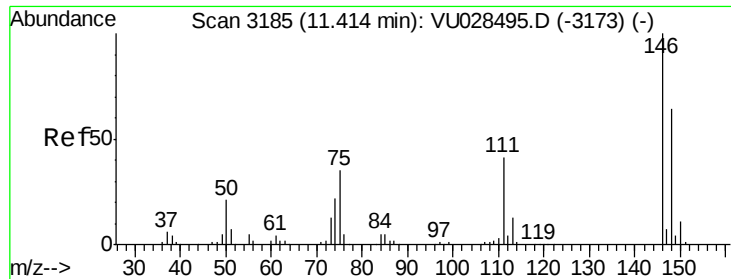
Ion Ratio Lower Upper

119 100

134 26.5 12.7 38.1

91 25.8 12.6 37.6





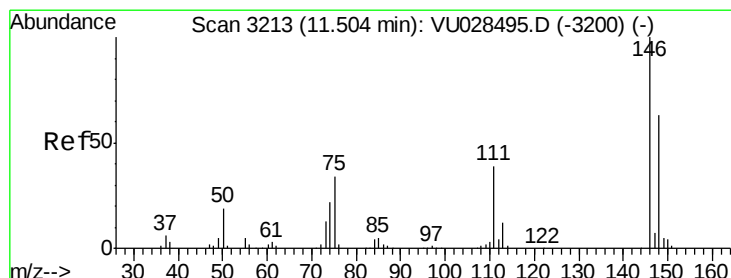
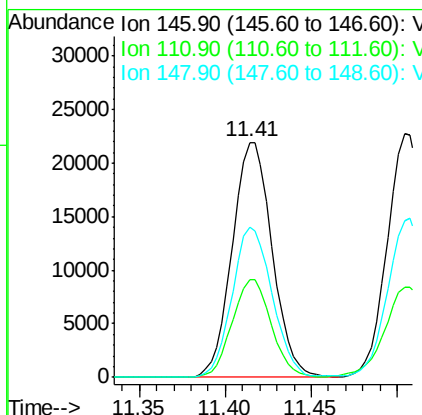
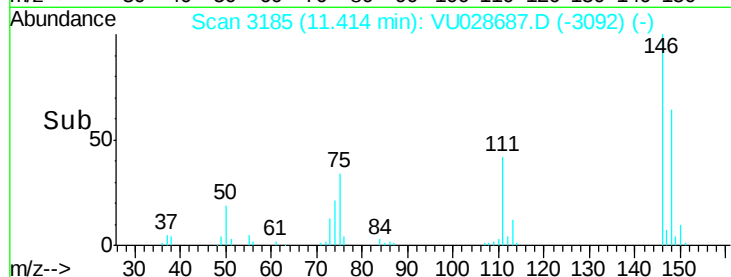
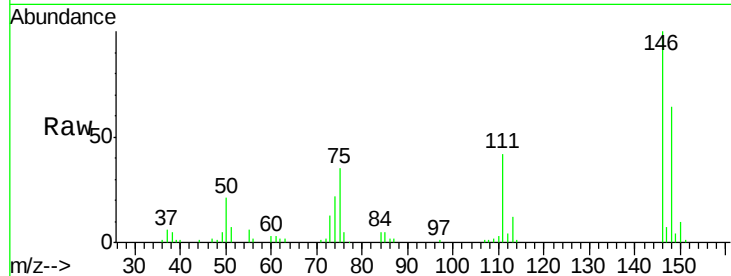
#87
 1,3-Dichlorobenzene
 Concen: 19.503 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBSD02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.7	62.1
148	64.0	31.9	95.7

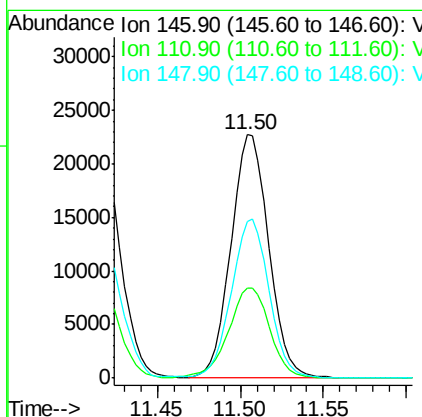
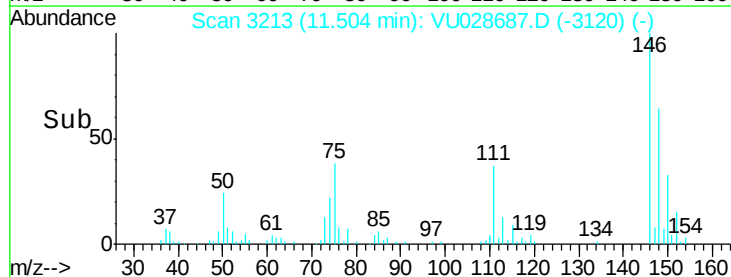
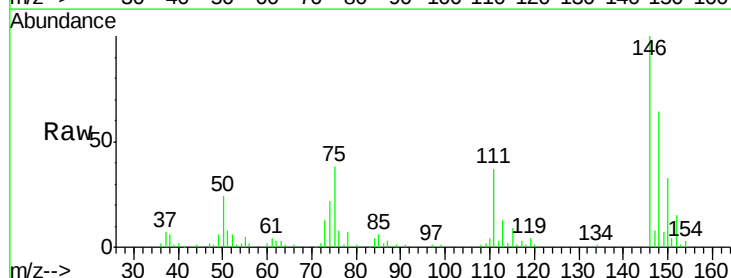
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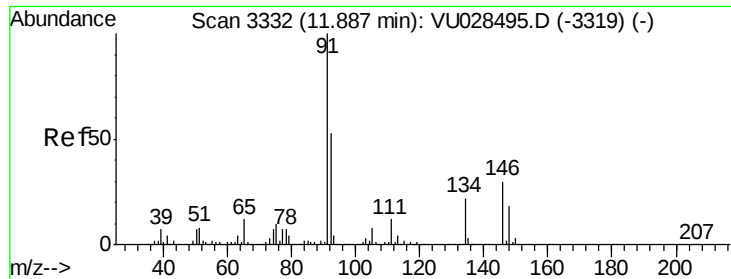
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#88
 1,4-Dichlorobenzene
 Concen: 19.180 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.2	60.5
148	65.5	31.6	95.0





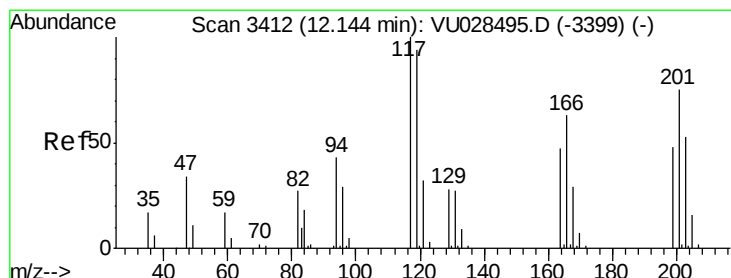
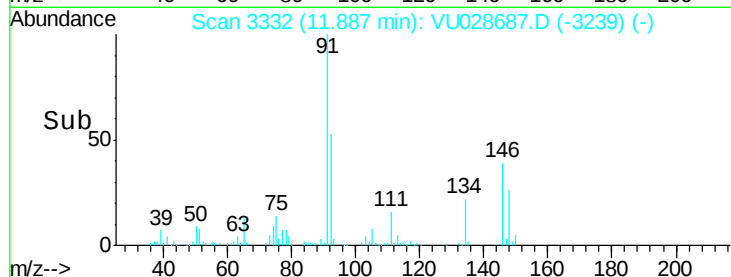
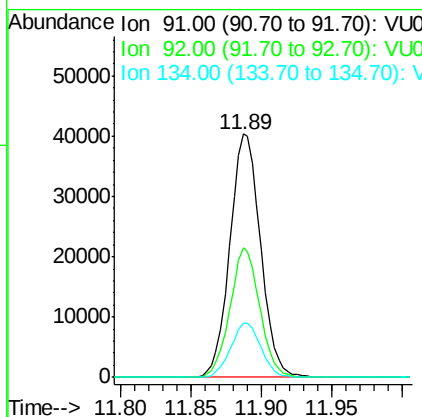
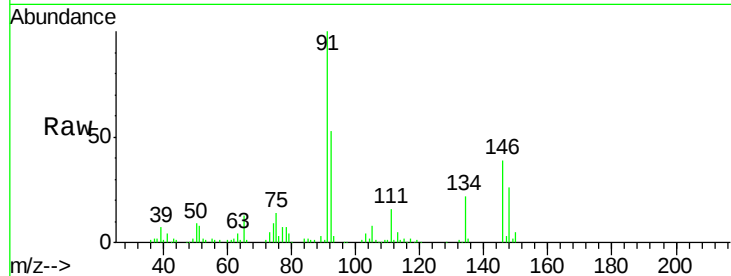
#89
n-Butylbenzene
Concen: 17.008 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBSD02

Tgt Ion: 91 Resp: 61574
Ion Ratio Lower Upper
91 100
92 51.4 26.3 78.9
134 21.9 11.3 33.8

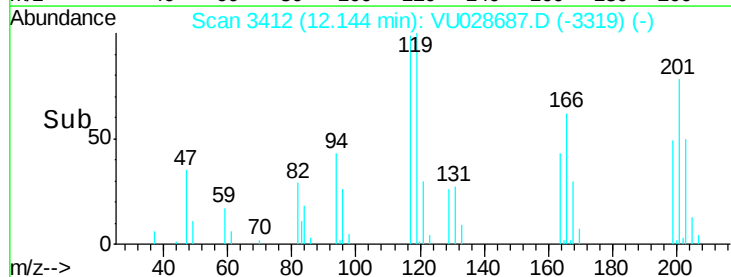
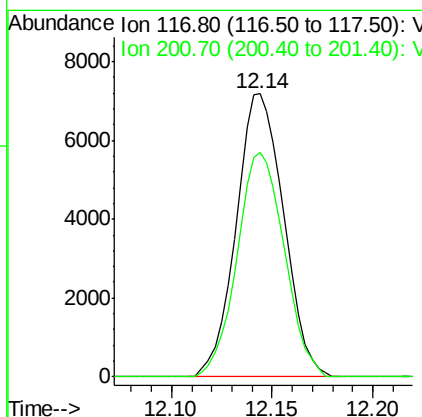
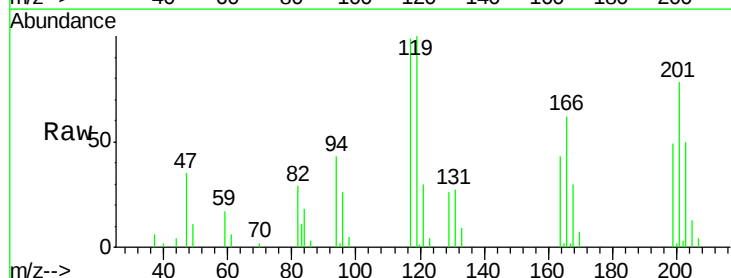
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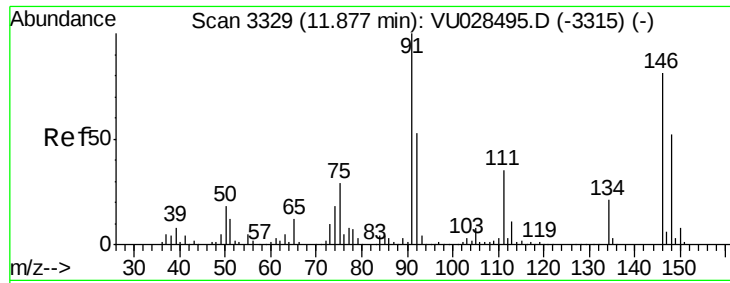
MMDadoda
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#90
Hexachloroethane
Concen: 21.922 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion: 117 Resp: 11853
Ion Ratio Lower Upper
117 100
201 78.7 38.1 114.5





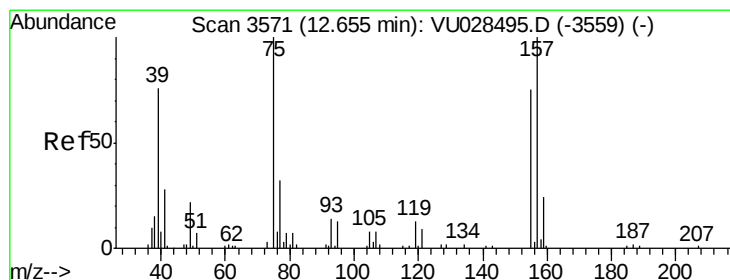
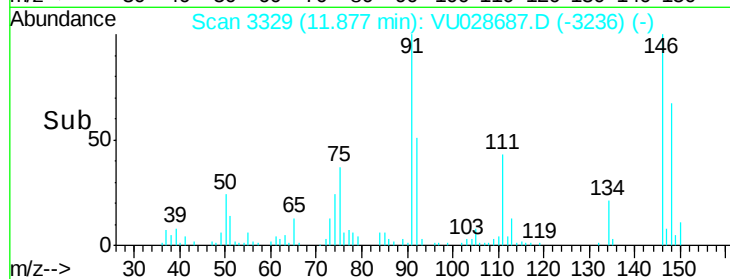
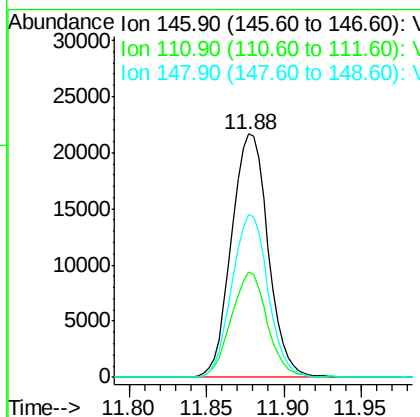
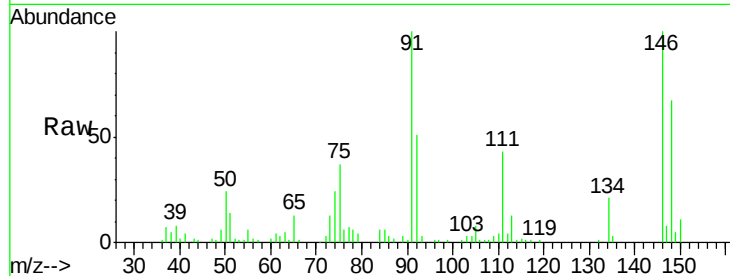
#91
 1,2-Dichlorobenzene
 Concen: 19.687 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBSD02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.4
148	65.6	31.4	94.2

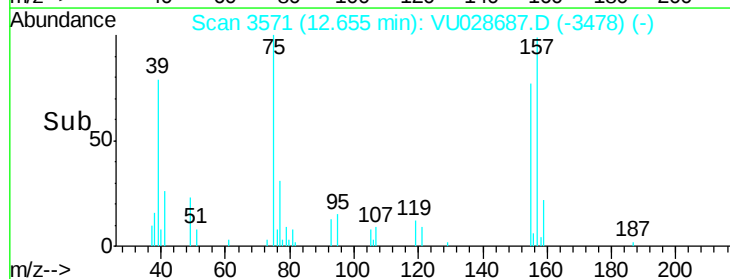
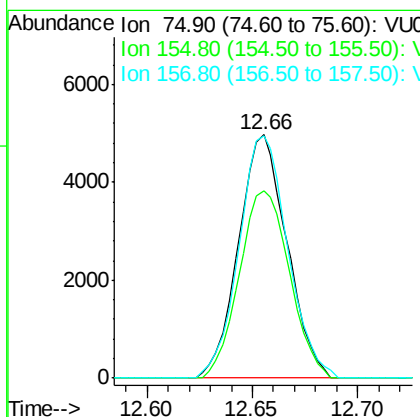
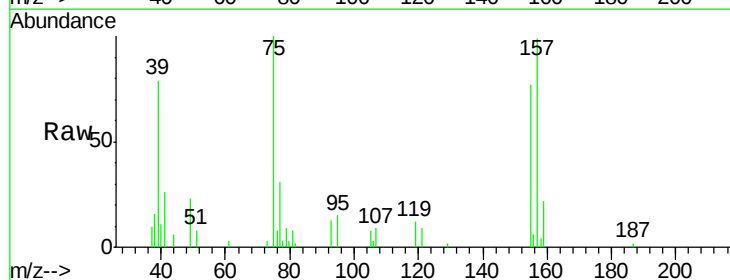
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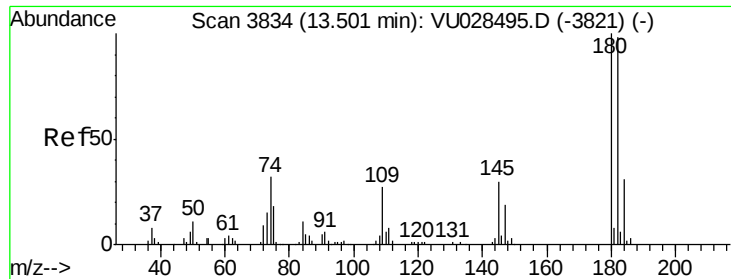
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.168 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028687.D
 Acq: 14 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.7	38.1	114.5
157	100.2	48.7	146.1





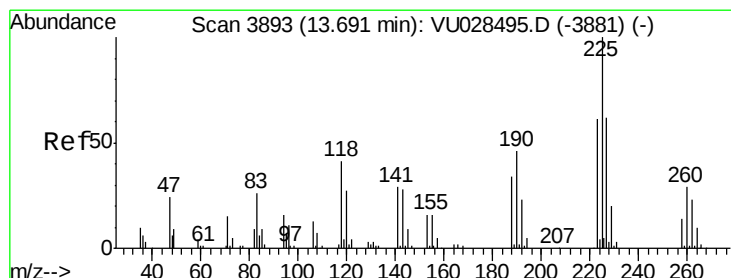
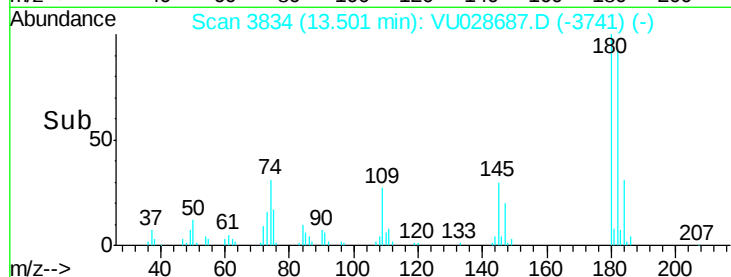
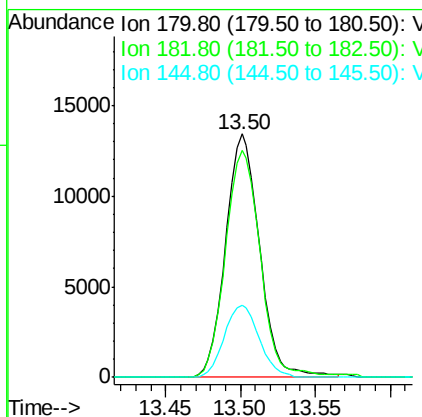
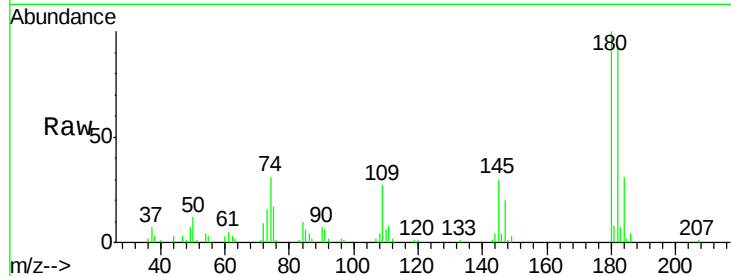
#93
1,2,4-Trichlorobenzene
Concen: 17.668 ug/l
RT: 13.50 min Scan# 3834
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBSD02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.8
145	30.1	15.0	45.1

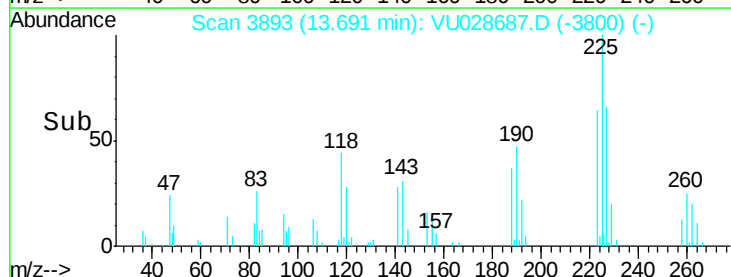
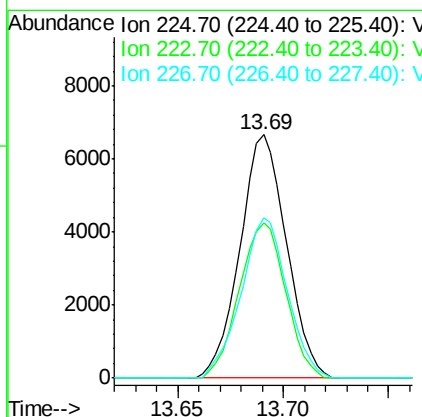
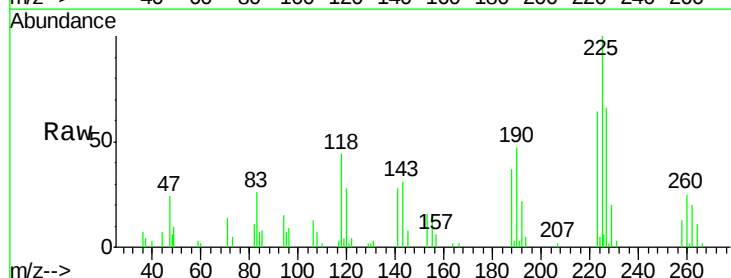
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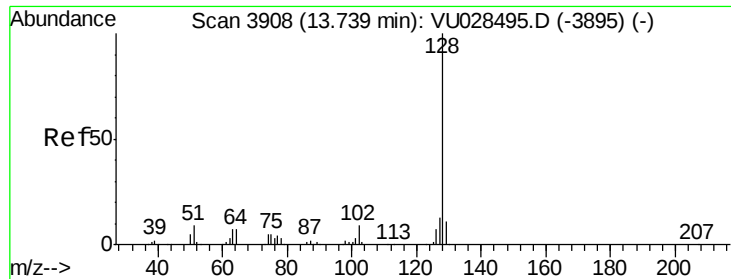
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12/17/2018 9:48:49 AM



#94
Hexachlorobutadiene
Concen: 17.201 ug/l
RT: 13.69 min Scan# 3893
Delta R.T. -0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.4	91.2
227	65.5	30.7	92.1





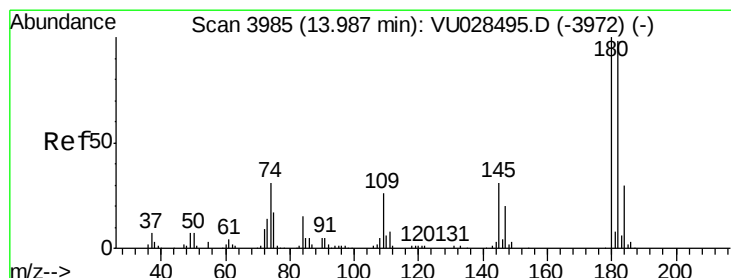
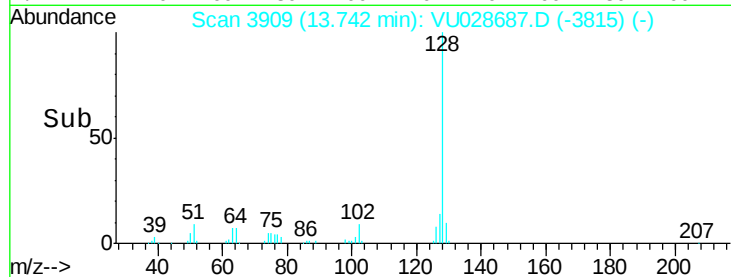
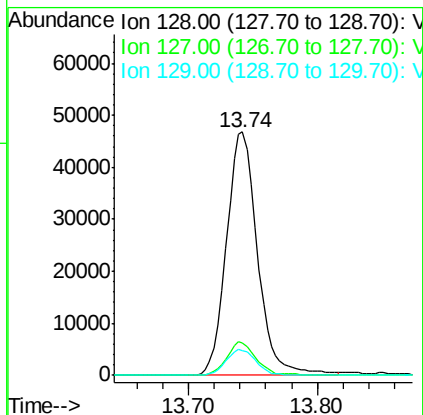
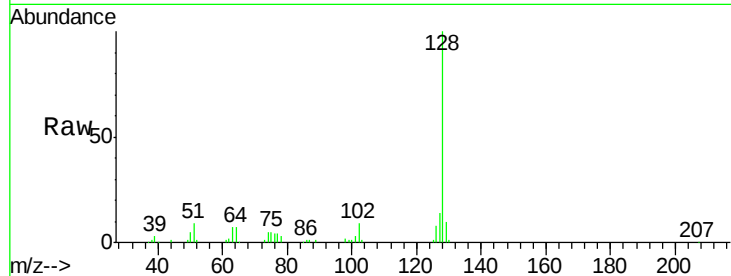
#95
Naphthalene
Concen: 17.956 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Instrument :
MSVOA_U
ClientSampleId :
VU1215WBSD02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.3	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 18.391 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028687.D
Acq: 14 Dec 2018 16:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.2	144.6
145	31.2	15.8	47.3

