

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024917.D
 Acq On : 26 Jun 2018 08:39
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 6/27/2018 11:20:52 AM

Quant Time: Jun 26 10:21:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	182782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	280913	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	261497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	157531	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	137553	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	
35) Dibromofluoromethane	4.89	113	110774	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
50) Toluene-d8	7.57	98	382173	44.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.88%	
62) 4-Bromofluorobenzene	10.31	95	153965	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	97183	42.48	ug/l	99
3) Chloromethane	1.33	50	94066	40.24	ug/l	100
4) Vinyl Chloride	1.40	62	102742	42.62	ug/l	98
5) Bromomethane	1.62	94	54059	46.39	ug/l	99
6) Chloroethane	1.69	64	69604	51.71	ug/l	100
7) Trichlorofluoromethane	1.89	101	174237	47.36	ug/l	100
8) Diethyl Ether	2.10	74	66510	53.25	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.29	101	100699	44.12	ug/l	97
10) Methyl Iodide	2.41	142	106735	54.71	ug/l	99
11) Tert butyl alcohol	2.83	59	158758	218.76	ug/l	100
12) 1,1-Dichloroethene	2.28	96	91103	43.77	ug/l	97
13) Acrolein	2.20	56	45789	120.15	ug/l	96
14) Allyl chloride	2.60	41	178672	46.24	ug/l	91
15) Acrylonitrile	2.94	53	322497	228.40	ug/l	99
16) Acetone	2.33	43	306244	191.01	ug/l	99
17) Carbon Disulfide	2.48	76	243630	36.56	ug/l	100
18) Methyl Acetate	2.62	43	182270	53.03	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	383195	48.98	ug/l	97
20) Methylene Chloride	2.70	84	116944	46.49	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	103110	44.98	ug/l	96
22) Diisopropyl ether	3.57	45	361888	47.24	ug/l	96
23) Vinyl Acetate	3.53	43	1487451	216.76	ug/l	98
24) 1,1-Dichloroethane	3.45	63	209109	47.45	ug/l	99
25) 2-Butanone	4.26	43	465117	215.98	ug/l	98
26) 2,2-Dichloropropane	4.23	77	142085	33.96	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	124980	47.42	ug/l	96
28) Bromochloromethane	4.55	49	95960	49.44	ug/l	86
29) Tetrahydrofuran	4.64	42	298157	223.57	ug/l	97
30) Chloroform	4.68	83	220397	49.41	ug/l	99
31) Cyclohexane	5.00	56	181114	46.13	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	202524	49.10	ug/l	96
36) 1,1-Dichloropropene	5.14	75	150818	45.69	ug/l	98
37) Ethyl Acetate	4.38	43	172896	48.06	ug/l	98
38) Carbon Tetrachloride	5.14	117	178631	49.21	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	180577	43.84	ug/l	95
40) Benzene	5.39	78	449932	47.84	ug/l	100
41) Methacrylonitrile	4.55	41	97122	50.07	ug/l	97
42) 1,2-Dichloroethane	5.41	62	184700	51.56	ug/l	100
43) Isopropyl Acetate	5.55	43	284711	45.78	ug/l	99
44) Trichloroethene	6.19	130	124301	46.43	ug/l	95
45) 1,2-Dichloropropane	6.44	63	123890	49.36	ug/l	97
46) Dibromomethane	6.56	93	87239	49.49	ug/l	94
47) Bromodichloromethane	6.76	83	172116	49.03	ug/l	98
48) Methyl methacrylate	6.62	41	146230	48.29	ug/l	98
49) 1,4-Dioxane	6.63	88	68112	1150.13	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	925406	236.85	ug/l	98
52) Toluene	7.64	92	288756	47.72	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	176412	44.75	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	188480	44.87	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	123898	50.37	ug/l	98
56) Ethyl methacrylate	8.02	69	197934	48.08	ug/l	100
57) 1,3-Dichloropropane	8.25	76	206534	49.77	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	99658	63.18	ug/l	96
59) 2-Hexanone	8.36	43	725529	227.46	ug/l	99
60) Dibromochloromethane	8.48	129	141005	45.97	ug/l	98
61) 1,2-Dibromoethane	8.59	107	134687	49.19	ug/l	100
64) Tetrachloroethene	8.23	164	132522	53.32	ug/l	95
65) Chlorobenzene	9.12	112	330396	49.46	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	129958	51.21	ug/l	97
67) Ethyl Benzene	9.25	91	573505	48.97	ug/l	98
68) m/p-Xylenes	9.38	106	441033	98.07	ug/l	98
69) o-Xylene	9.78	106	220676	49.58	ug/l	96
70) Styrene	9.80	104	362189	49.52	ug/l	98
71) Bromoform	9.96	173	114526	47.48	ug/l #	98
73) Isopropylbenzene	10.17	105	596914	49.35	ug/l	99
74) N-amyl acetate	10.01	43	260628	45.30	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	203997	50.33	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	183894m	53.02	ug/l	
77) Bromobenzene	10.45	156	154872	50.58	ug/l	94
78) n-propylbenzene	10.59	91	669849	47.02	ug/l	97
79) 2-Chlorotoluene	10.66	91	407269	48.47	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	511486	48.79	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	231853	154.72	ug/l #	100
82) 4-Chlorotoluene	10.77	91	474246	48.50	ug/l	100
83) tert-Butylbenzene	11.10	119	505117	50.09	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	525042	49.15	ug/l	99
85) sec-Butylbenzene	11.33	105	613367	48.59	ug/l	98
86) p-Isopropyltoluene	11.48	119	548371	48.51	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	276589	48.89	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	281778	49.49	ug/l	99
89) n-Butylbenzene	11.89	91	446191	44.46	ug/l	98
90) Hexachloroethane	12.15	117	98292	44.57	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	291398	51.43	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	53498	47.84	ug/l	92

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QLast Update : Wed Jun 13 13:55:26 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	190883	54.55	ug/l	99
94) Hexachlorobutadiene	13.69	225	96680	49.09	ug/l	99
95) Naphthalene	13.74	128	641651	55.32	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	204420	58.63	ug/l	100

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

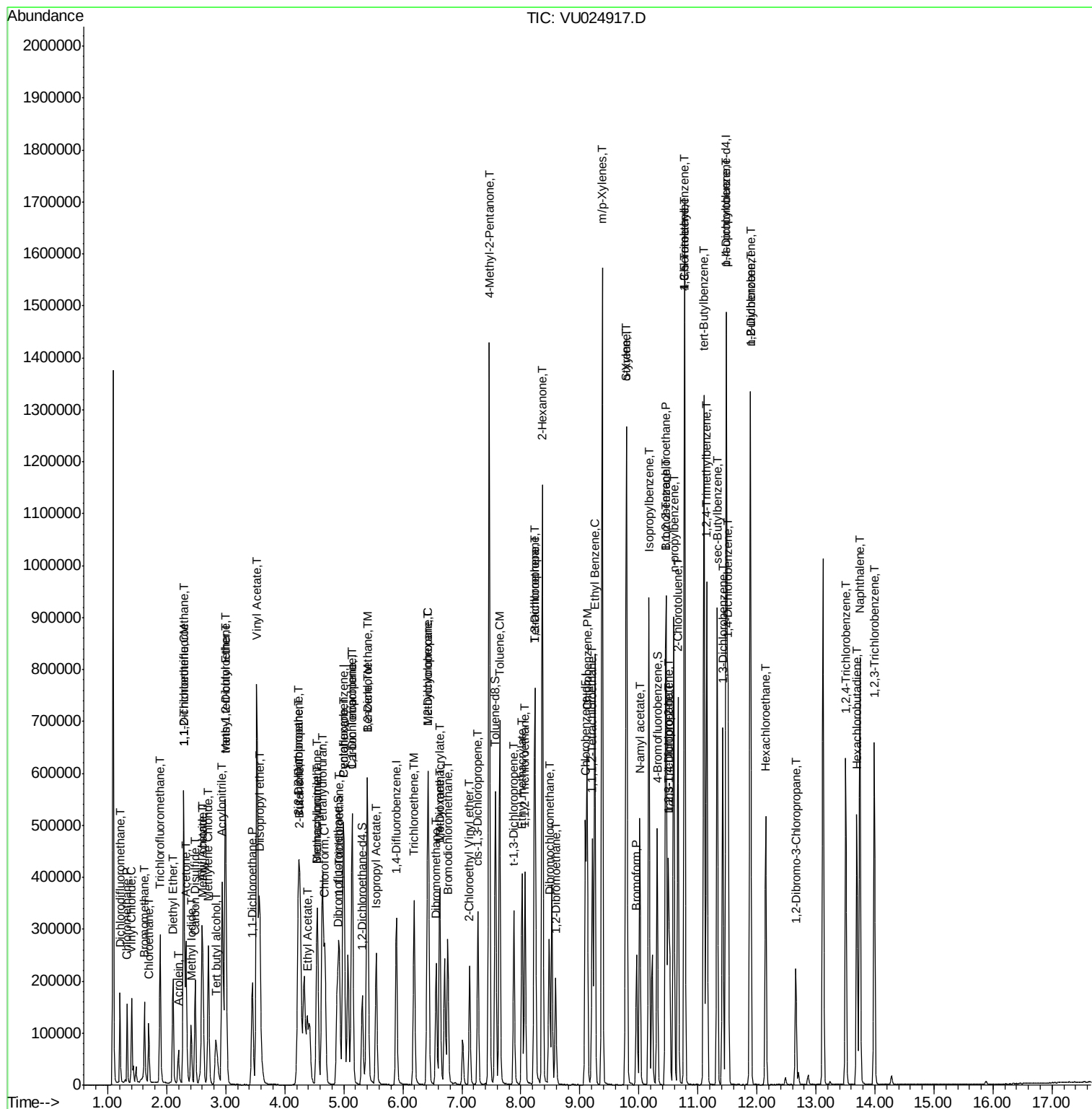
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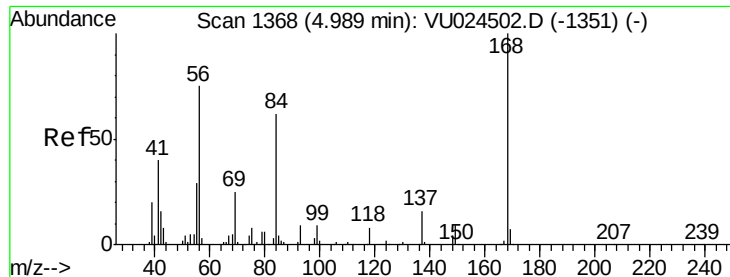
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 182782

Ion Ratio Lower Upper

168 100

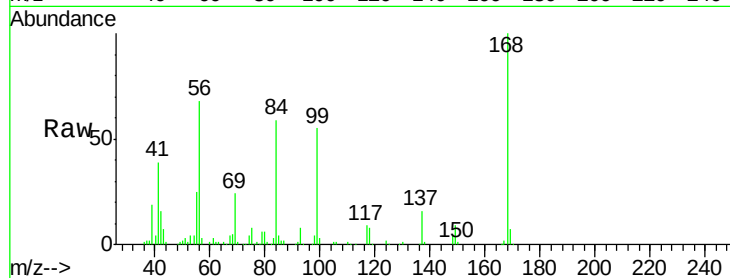
99 54.7 43.2 64.8

Manual Integrations

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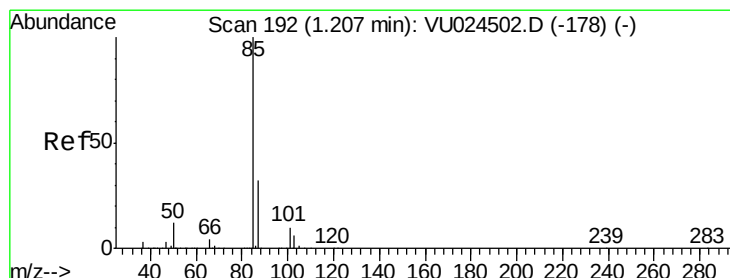
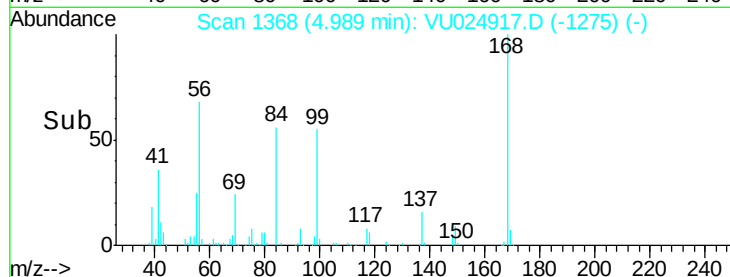
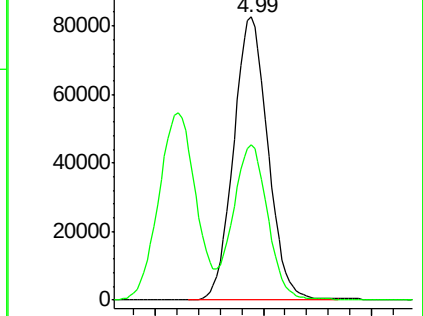
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Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 42.48 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024917.D

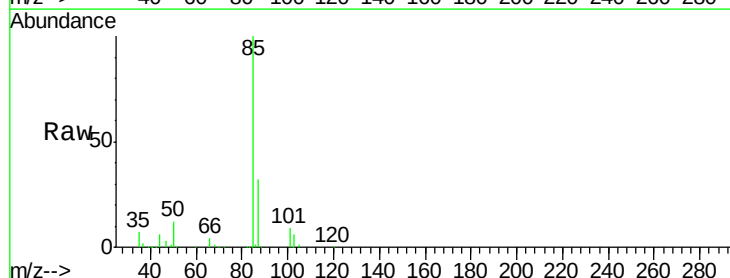
Acq: 26 Jun 2018 08:39

Tgt Ion: 85 Resp: 97183

Ion Ratio Lower Upper

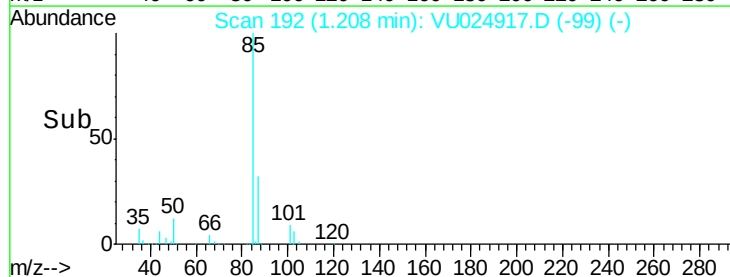
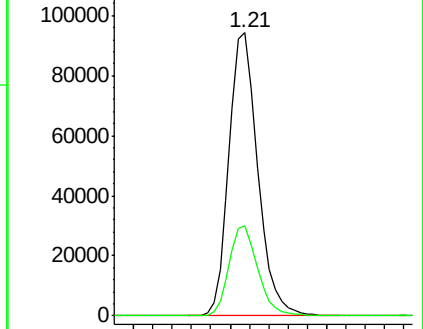
85 100

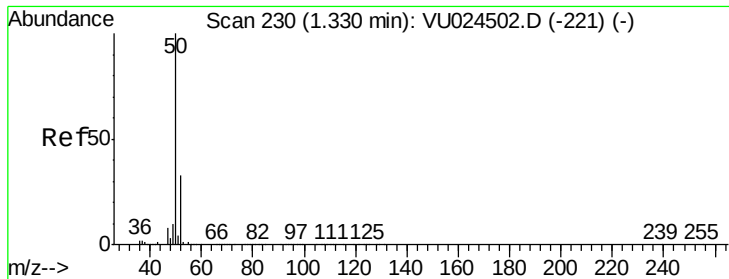
87 31.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 40.24 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 94066

Ion Ratio Lower Upper

50 100

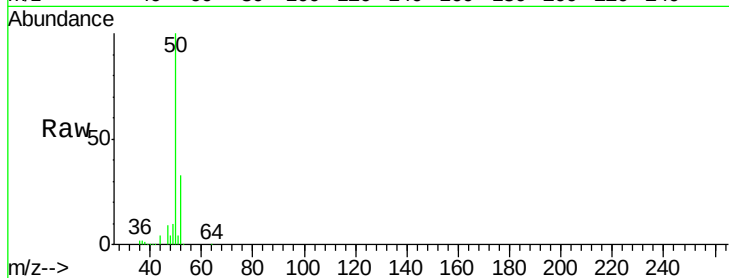
52 32.8 26.4 39.6

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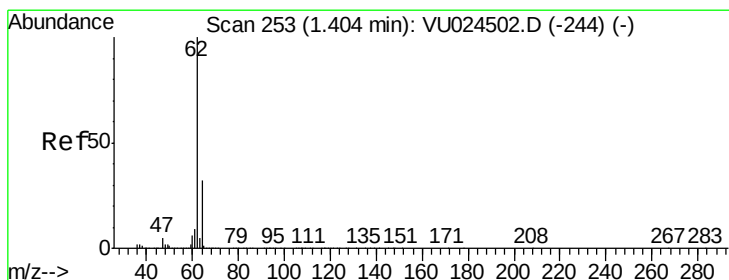
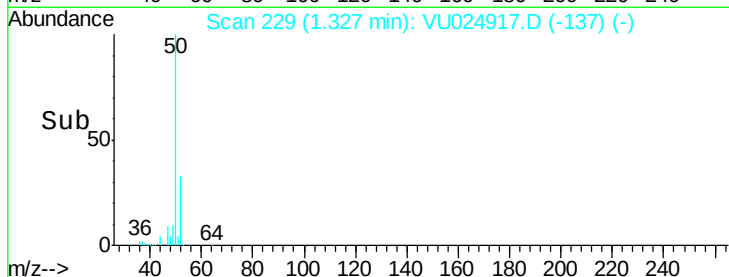
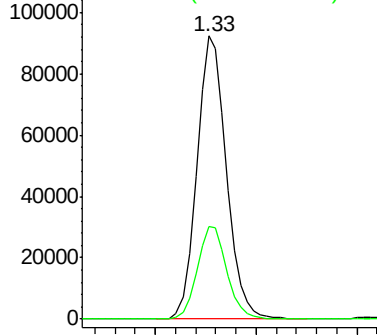
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 42.62 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024917.D

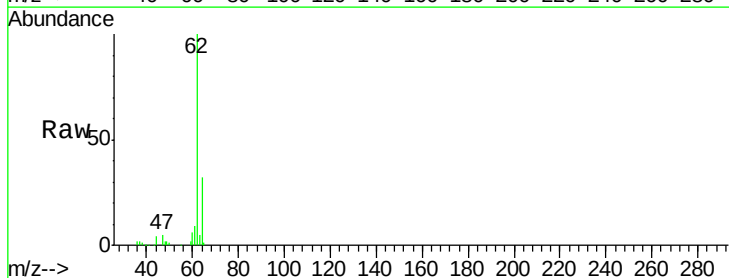
Acq: 26 Jun 2018 08:39

Tgt Ion: 62 Resp: 102742

Ion Ratio Lower Upper

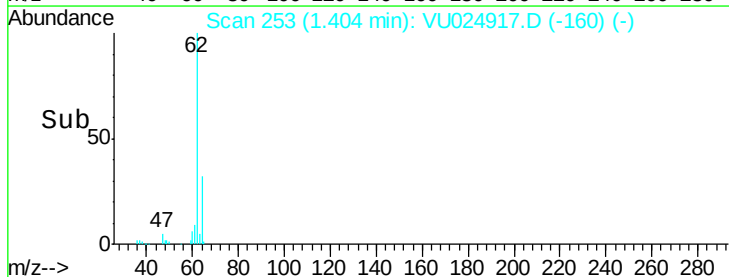
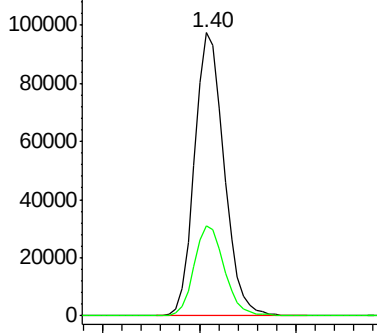
62 100

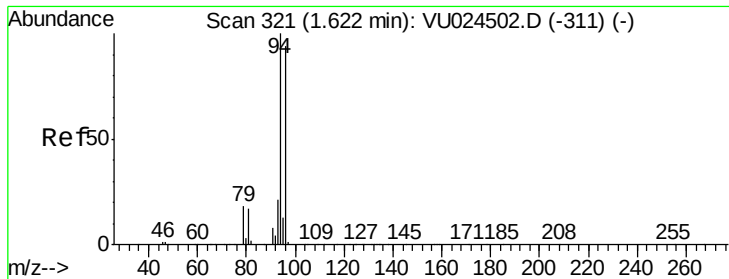
64 31.9 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 46.39 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 54059

Ion Ratio Lower Upper

94 100

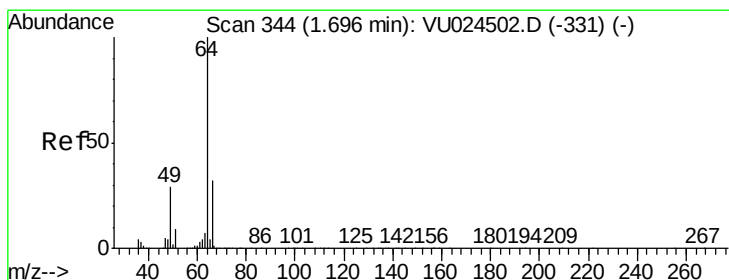
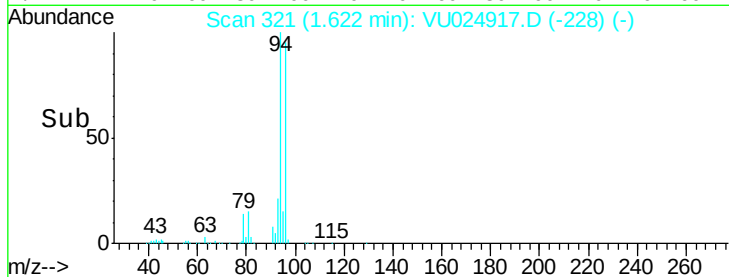
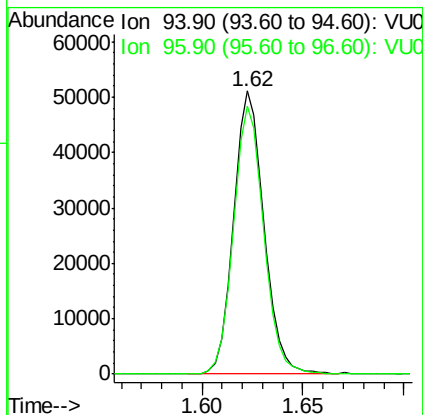
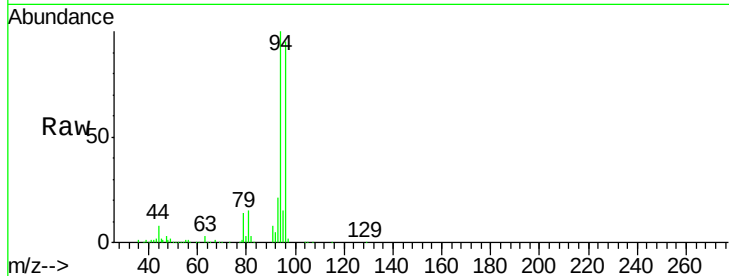
96 94.5 74.5 111.7

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#6

Chloroethane

Concen: 51.71 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU024917.D

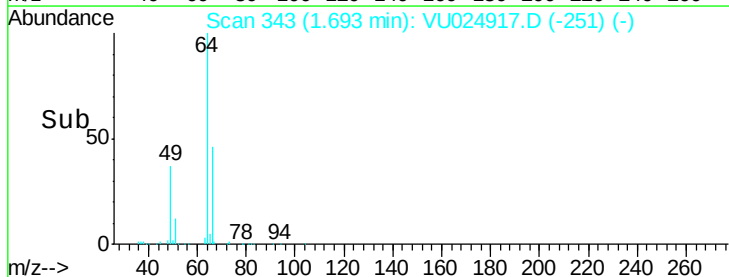
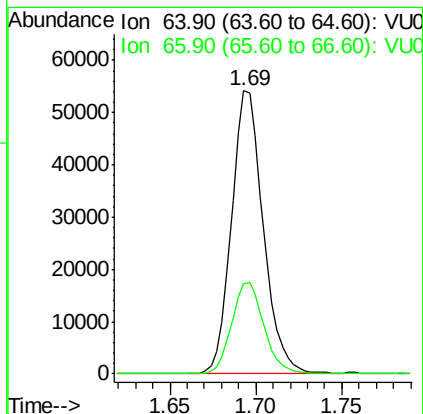
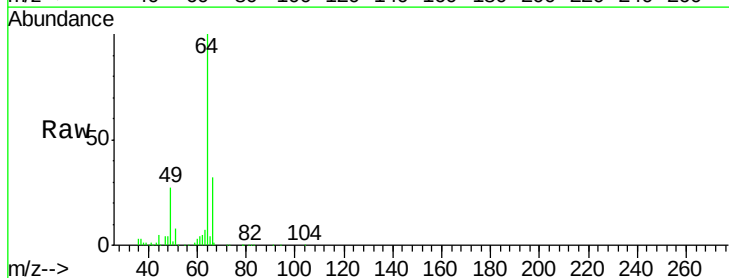
Acq: 26 Jun 2018 08:39

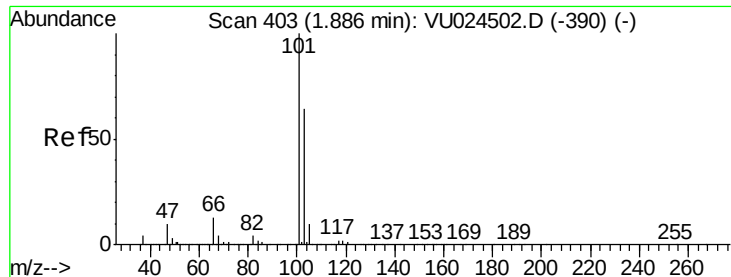
Tgt Ion: 64 Resp: 69604

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3





#7

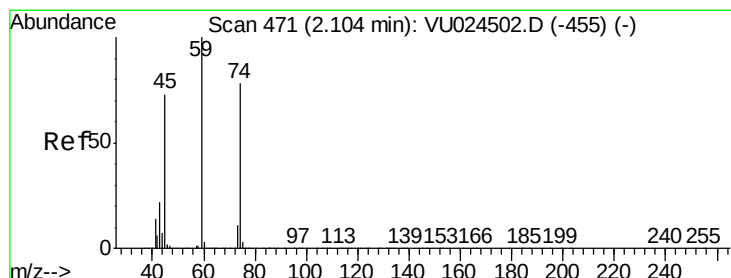
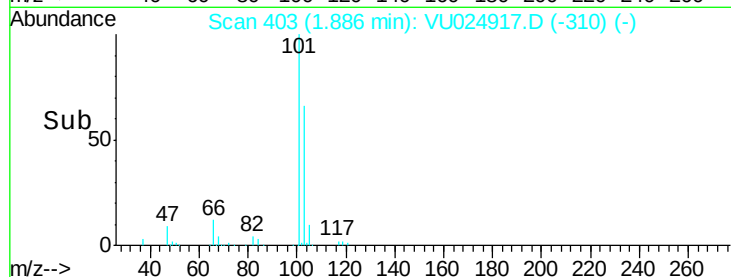
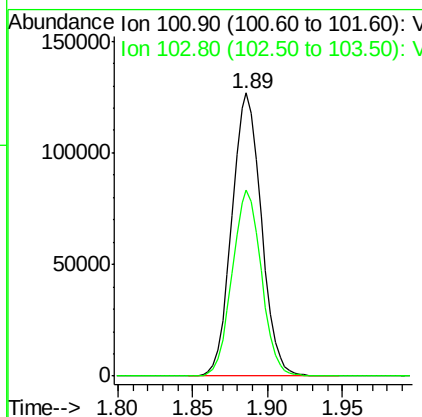
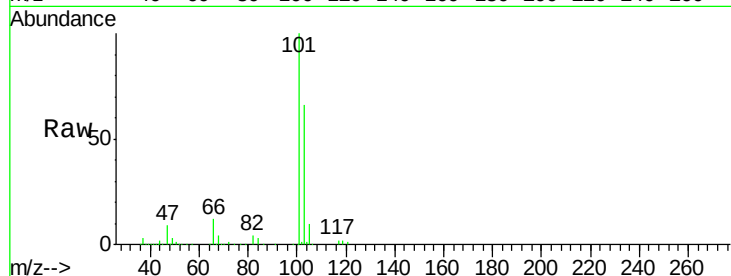
Trichlorofluoromethane
Concen: 47.36 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.3	78.5

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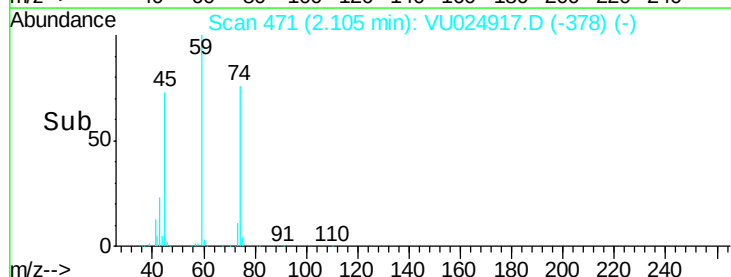
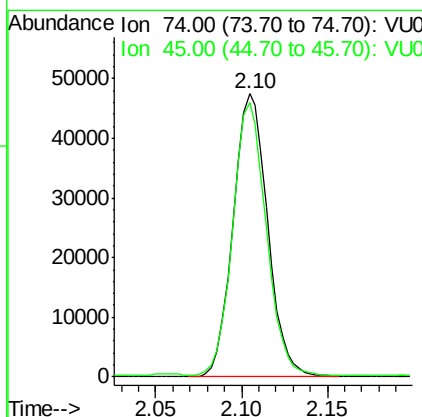
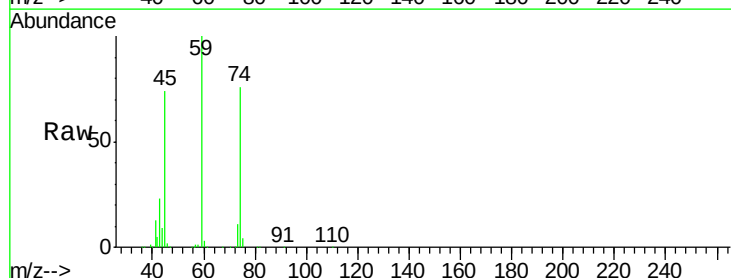
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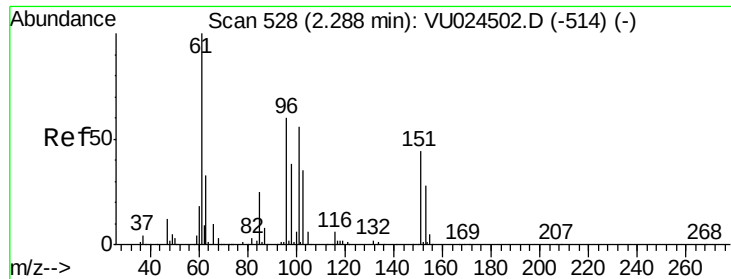


#8

Diethyl Ether
Concen: 53.25 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.12 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

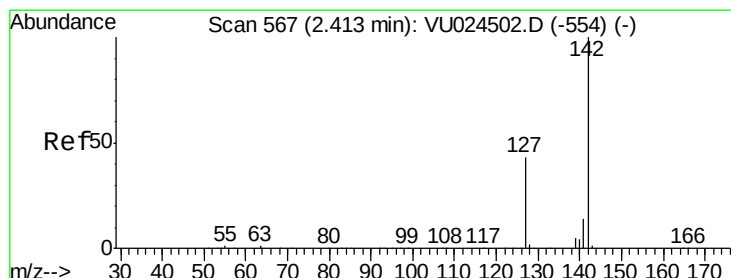
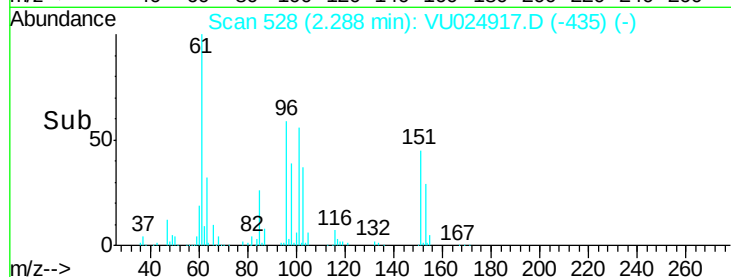
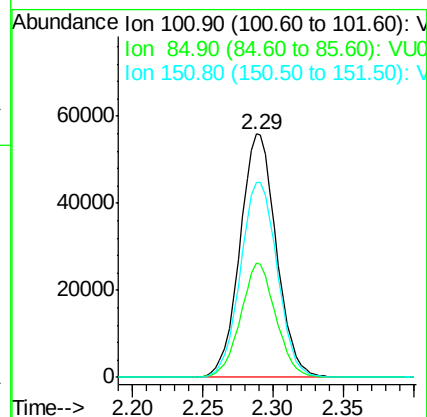
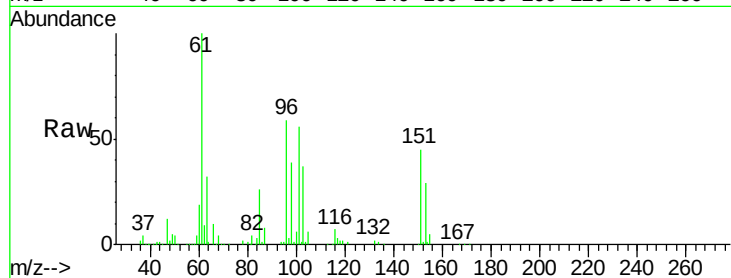
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	100699
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.0	54.0
151	81.4	62.3	93.5

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#10

Methyl Iodide

Concen: 54.71 ug/l

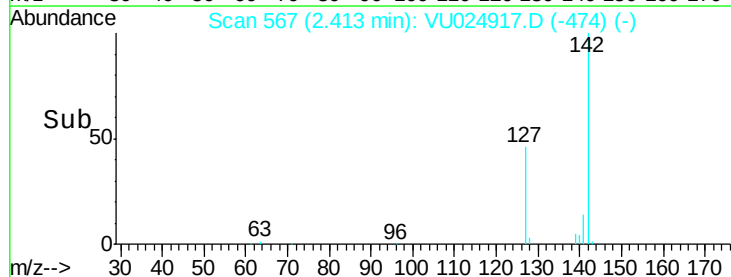
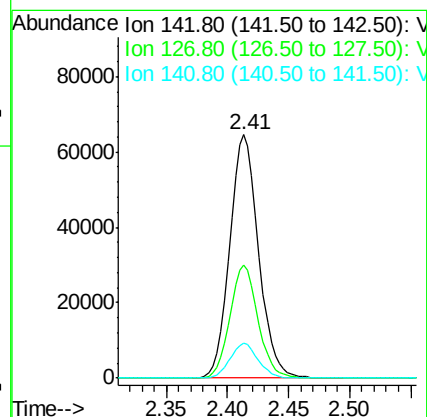
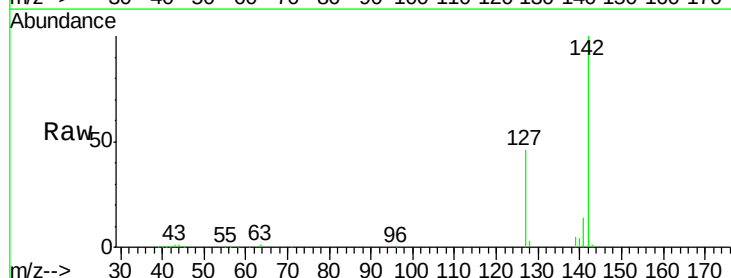
RT: 2.41 min Scan# 567

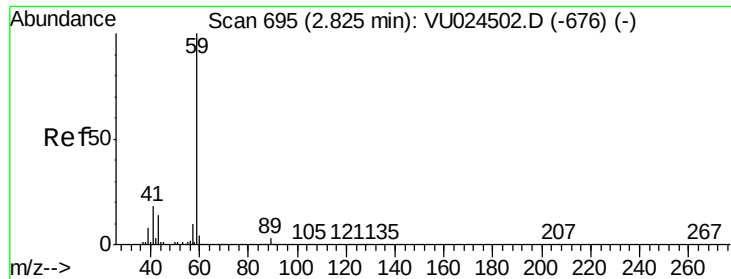
Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Tgt Ion:	142	Resp:	106735
Ion Ratio	Lower	Upper	
142	100		
127	45.3	35.6	53.4
141	14.0	11.7	17.5





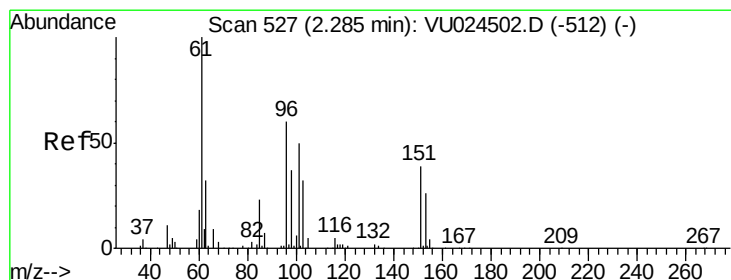
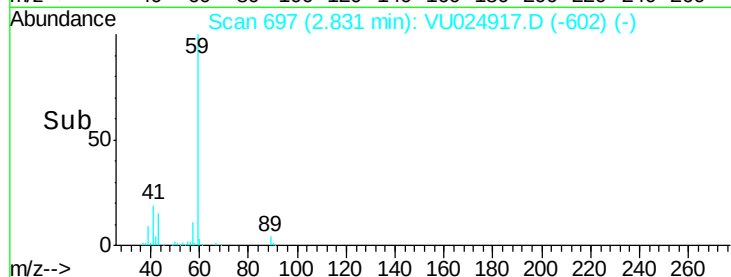
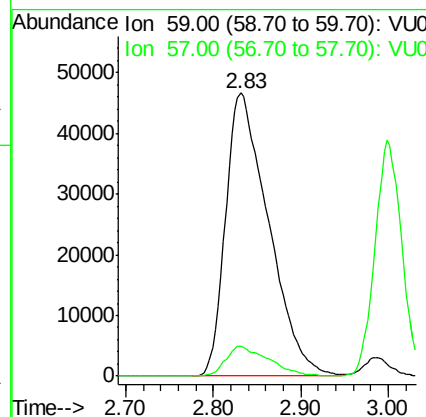
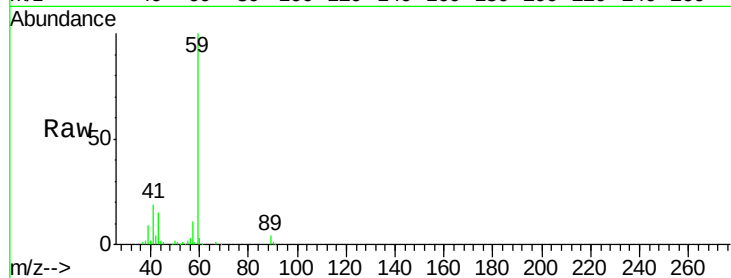
#11
Tert butyl alcohol
Concen: 218.76 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

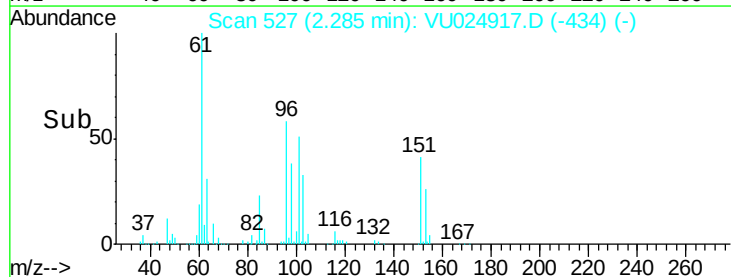
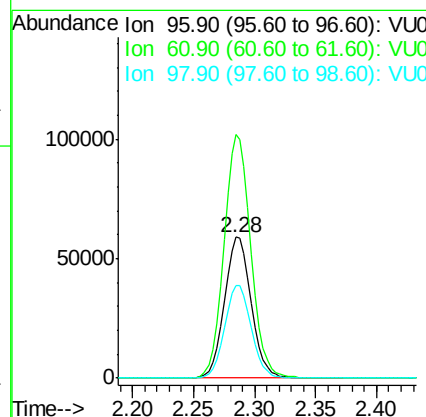
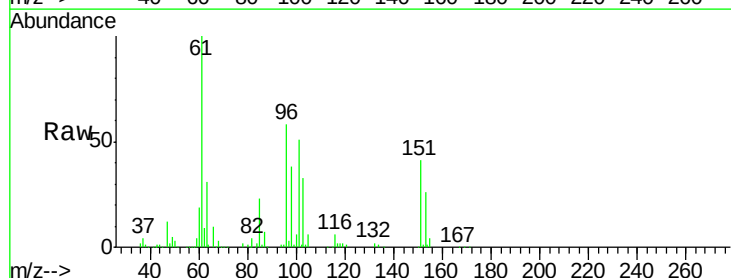
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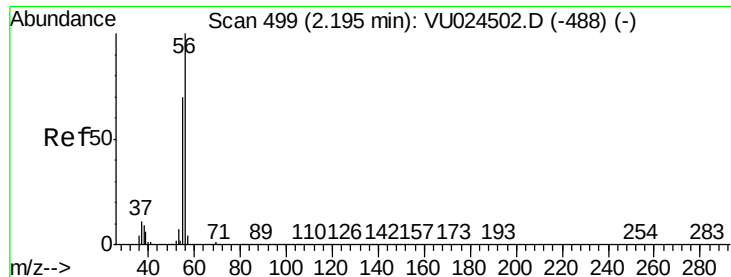
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#12
1,1-Dichloroethene
Concen: 43.77 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.4	141.7	212.5
98	65.9	51.6	77.4





#13

Acrolein

Concen: 120.15 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 45789

Ion Ratio Lower Upper

56 100

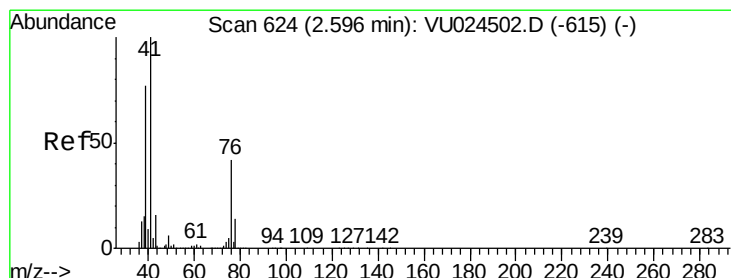
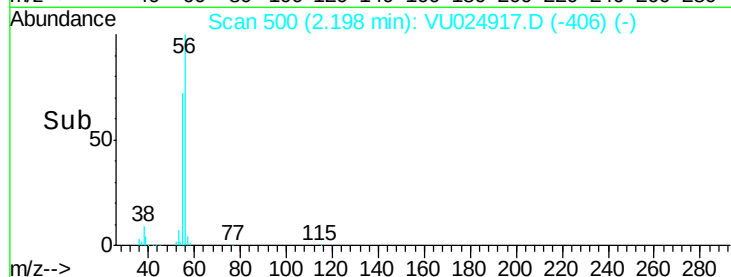
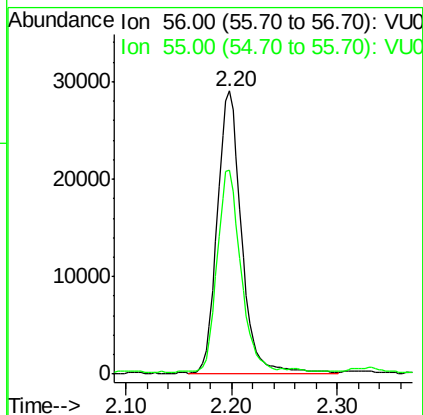
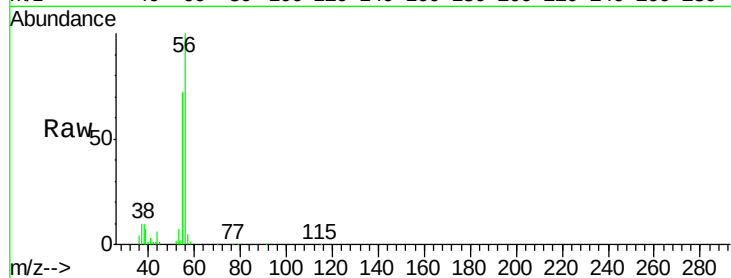
55 69.5 58.4 87.6

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#14

Allyl chloride

Concen: 46.24 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

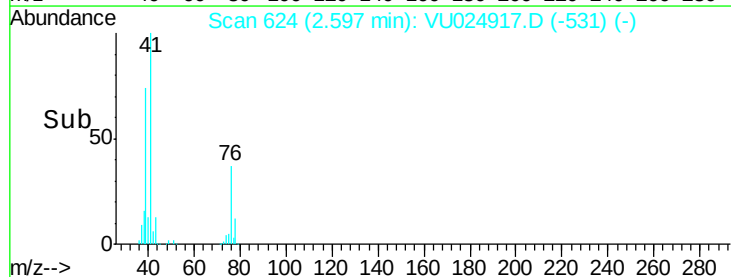
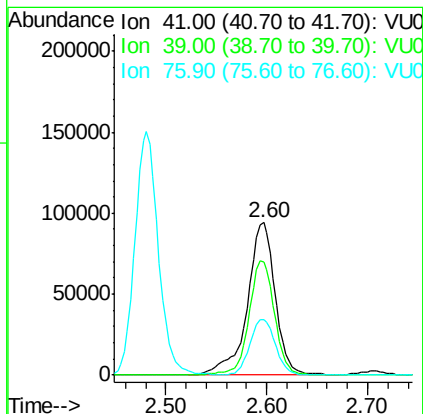
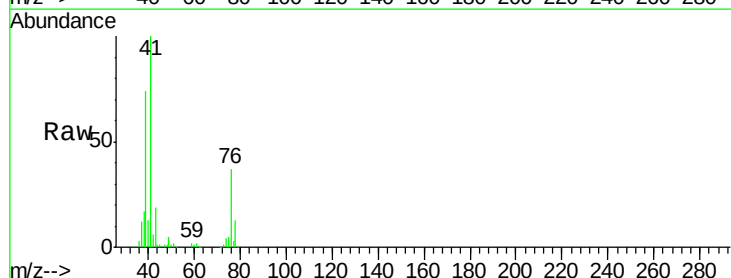
Tgt Ion: 41 Resp: 178672

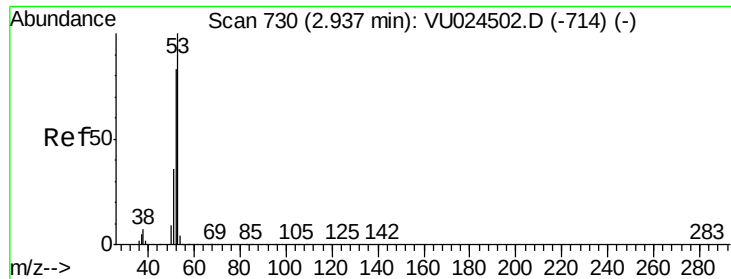
Ion Ratio Lower Upper

41 100

39 68.5 61.6 92.4

76 33.3 29.7 44.5





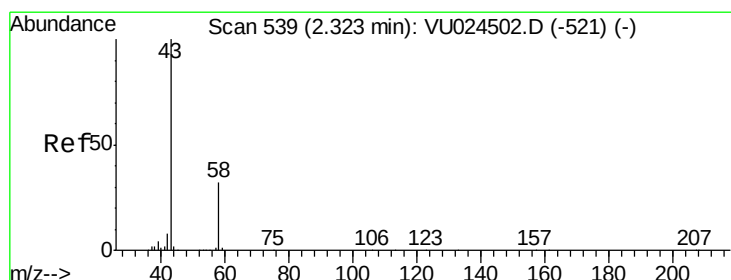
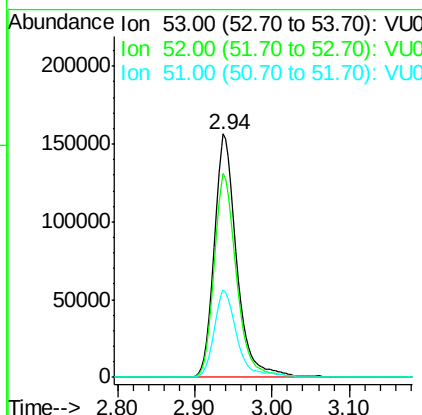
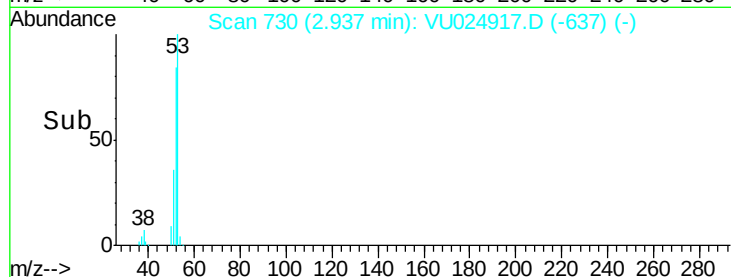
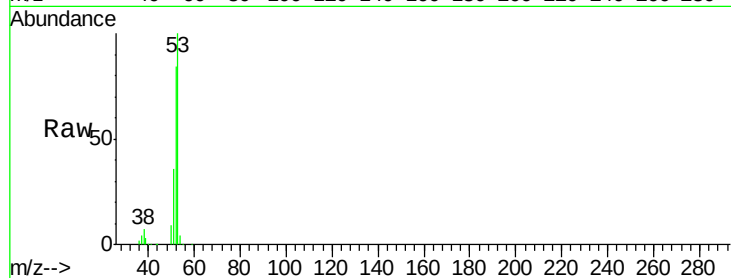
#15
 Acrylonitrile
 Concen: 228.40 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	322497
Ion	Ratio	Lower	Upper
53	100		
52	83.5	67.1	100.7
51	36.6	28.4	42.6

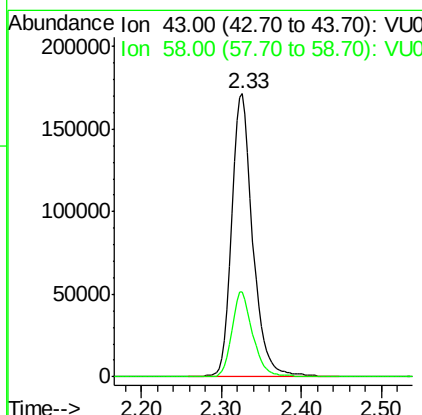
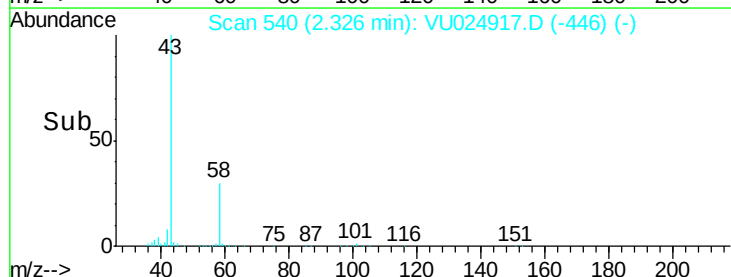
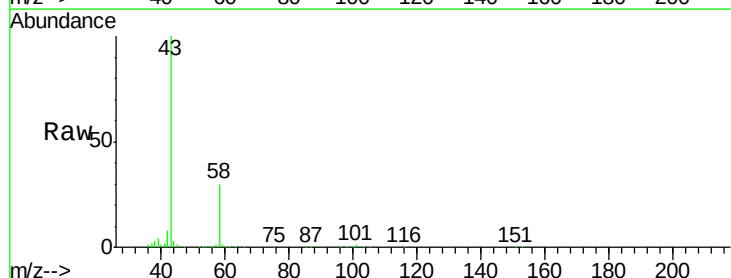
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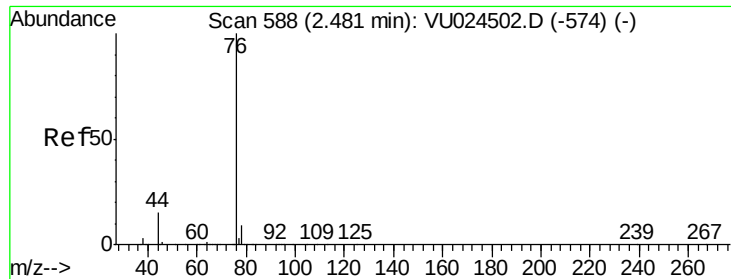
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#16
 Acetone
 Concen: 191.01 ug/l
 RT: 2.33 min Scan# 540
 Delta R.T. 0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Tgt Ion:	43	Resp:	306244
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.4	36.6





#17

Carbon Disulfide

Concen: 36.56 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 243630

Ion Ratio Lower Upper

76 100

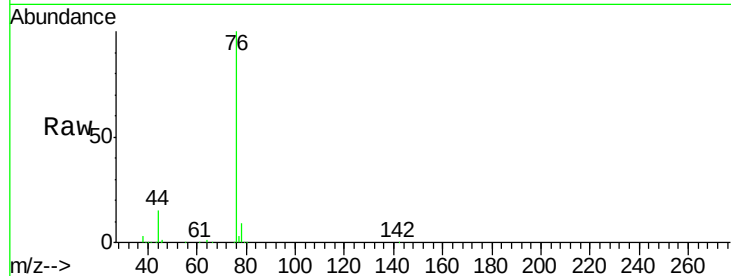
78 9.0 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VU024917.D (-574) (-)

Ion 77.90 (77.60 to 78.60): VU024917.D (-574) (-)

2.48

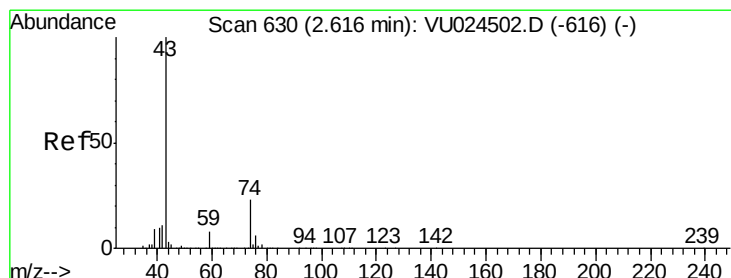
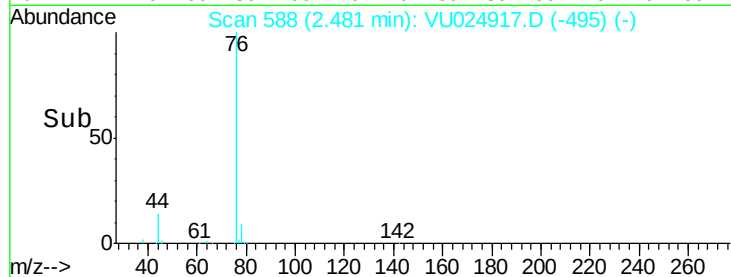
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 53.03 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024917.D

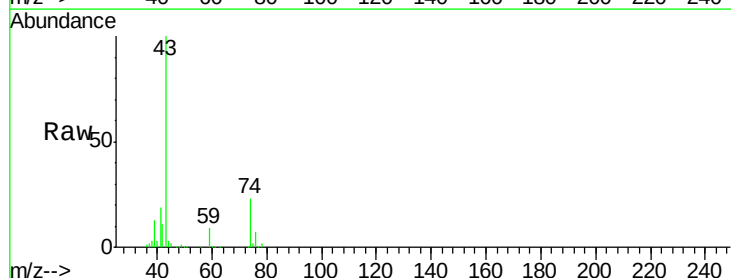
Acq: 26 Jun 2018 08:39

Tgt Ion: 43 Resp: 182270

Ion Ratio Lower Upper

43 100

74 23.5 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU024917.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU024917.D (-537) (-)

2.62

120000

100000

80000

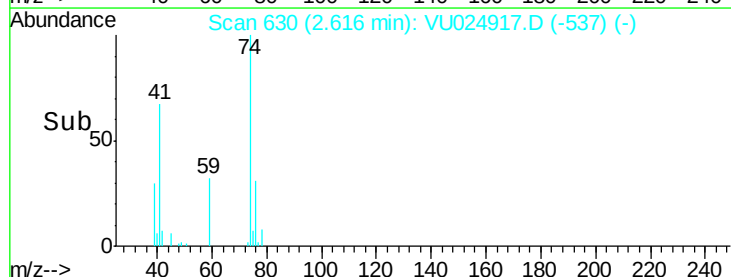
60000

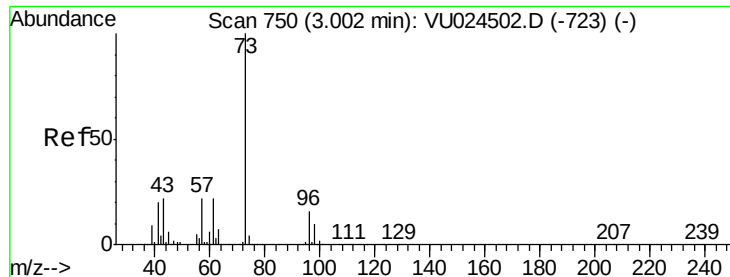
40000

20000

0

Time-->





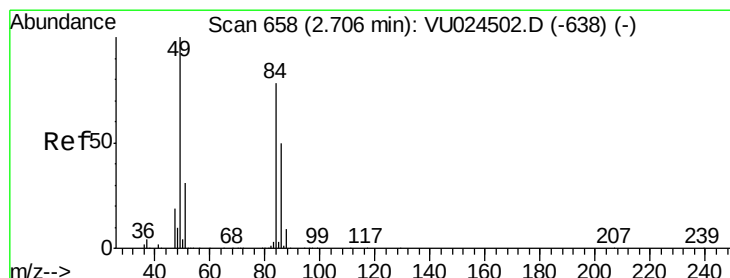
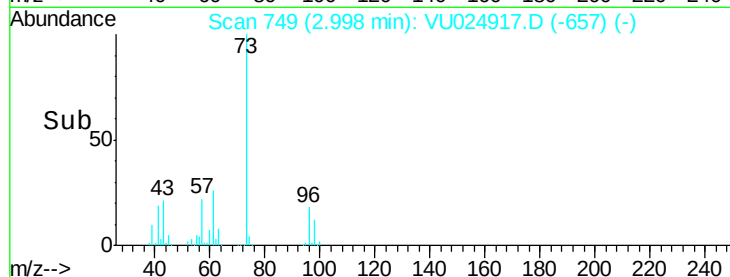
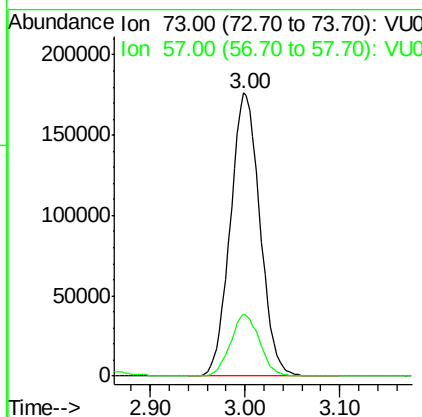
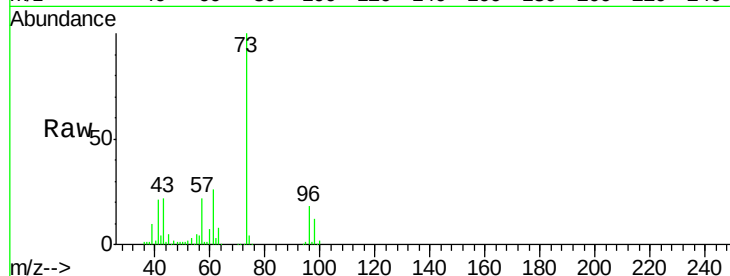
#19
Methyl tert-butyl Ether
Concen: 48.98 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.8	28.2

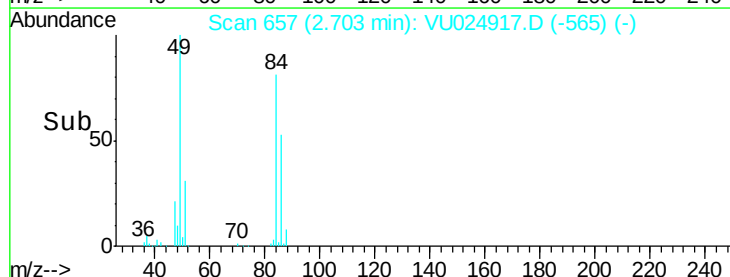
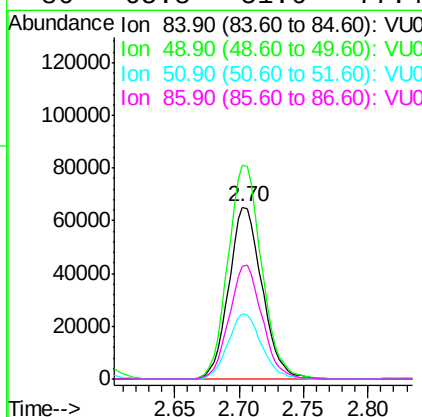
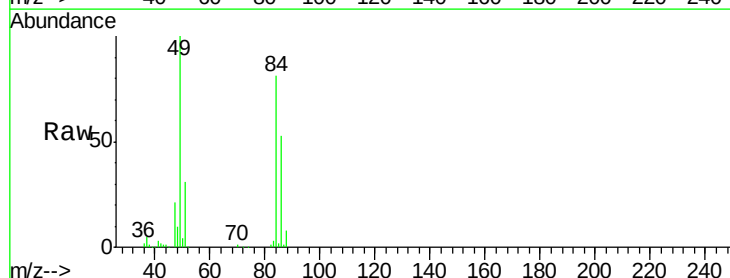
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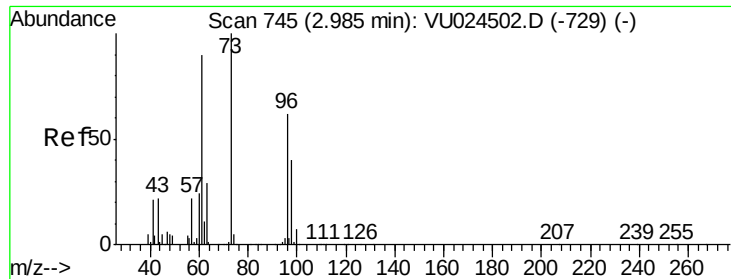
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#20
Methylene Chloride
Concen: 46.49 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.2	103.8	155.8
51	38.1	32.0	48.0
86	65.8	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 44.98 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

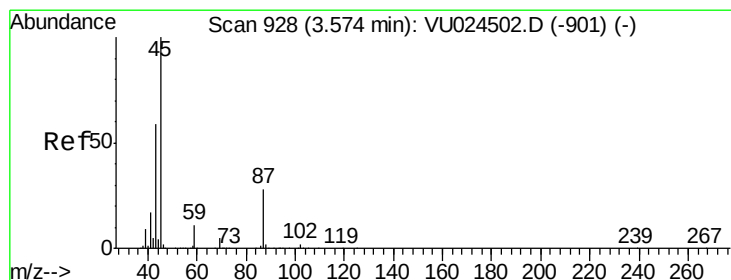
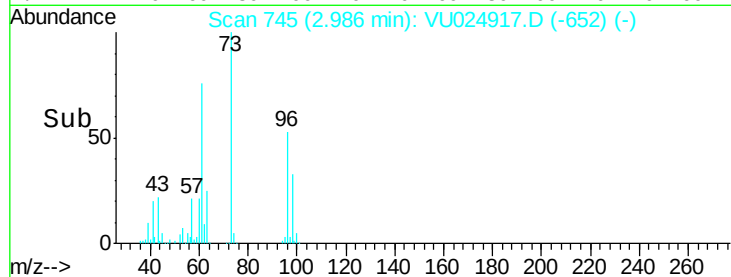
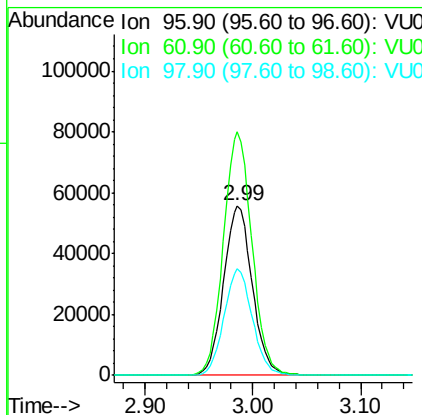
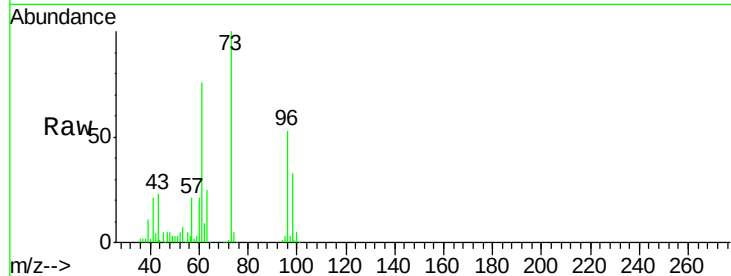
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	103110
Ion	Ratio	Lower	Upper
96	100		
61	143.4	119.4	179.0
98	62.4	51.1	76.7

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#22

Diisopropyl ether

Concen: 47.24 ug/l

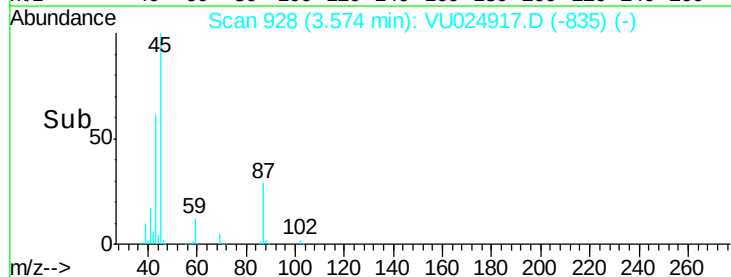
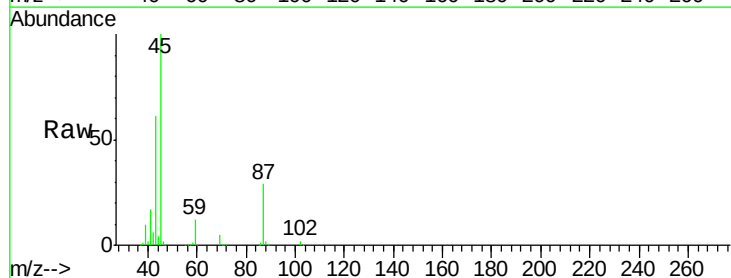
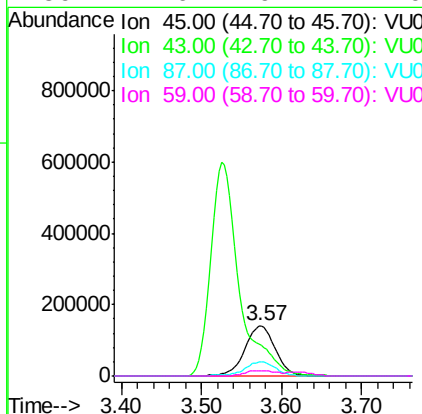
RT: 3.57 min Scan# 928

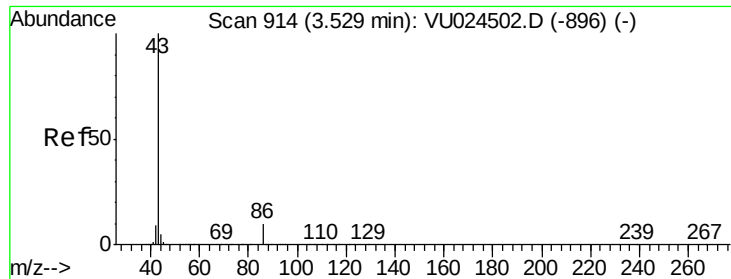
Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Tgt Ion:	45	Resp:	361888
Ion	Ratio	Lower	Upper
45	100		
43	59.9	45.8	68.6
87	29.1	20.6	31.0
59	11.6	9.4	14.0





#23

Vinyl Acetate

Concen: 216.76 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1487451

Ion Ratio Lower Upper

43 100

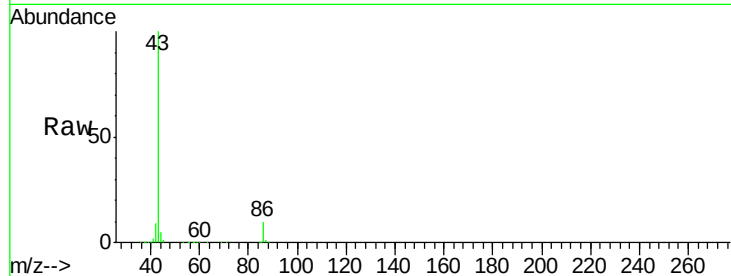
86 10.4 7.8 11.8

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

600000

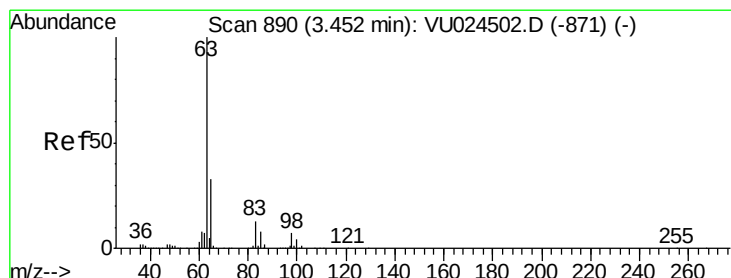
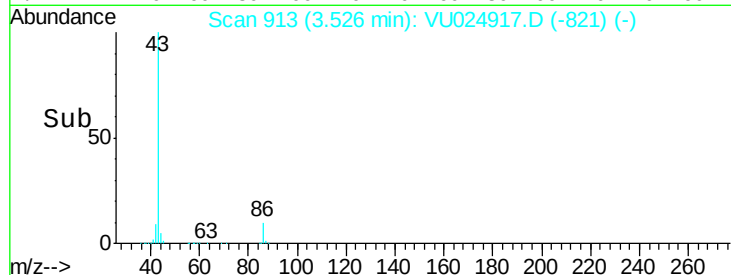
400000

200000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 47.45 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

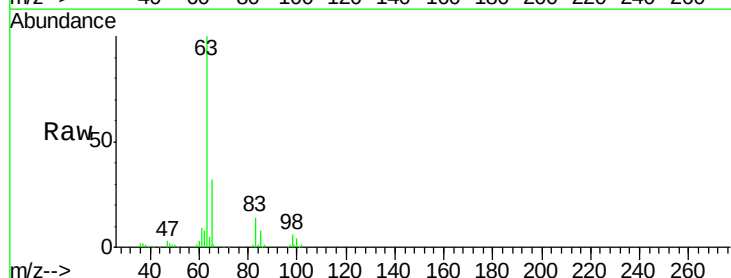
Tgt Ion: 63 Resp: 209109

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

100 4.2 1.8 5.5



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

120000

100000

80000

60000

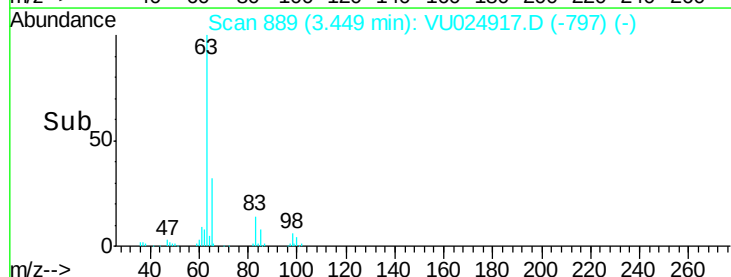
40000

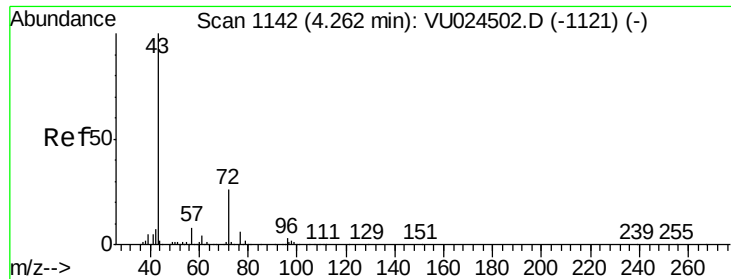
20000

0

3.40 3.50

Time-->





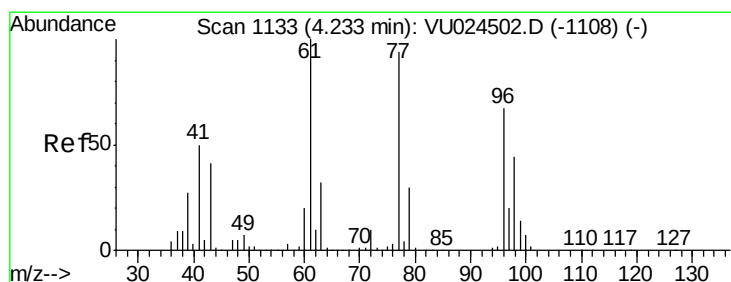
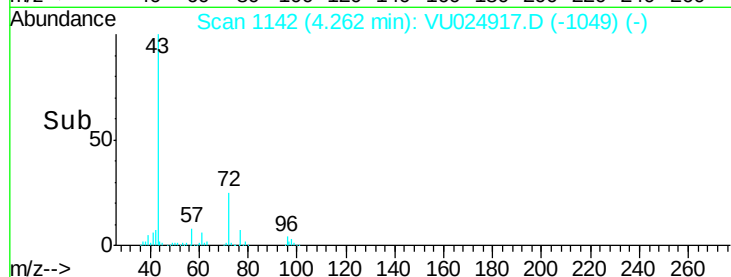
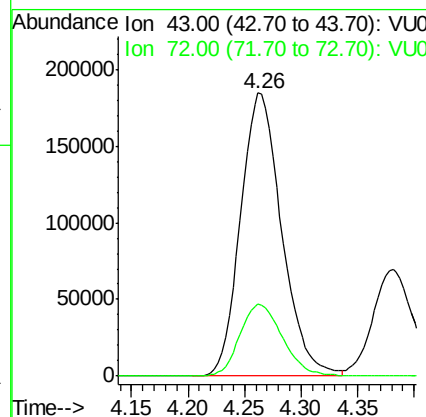
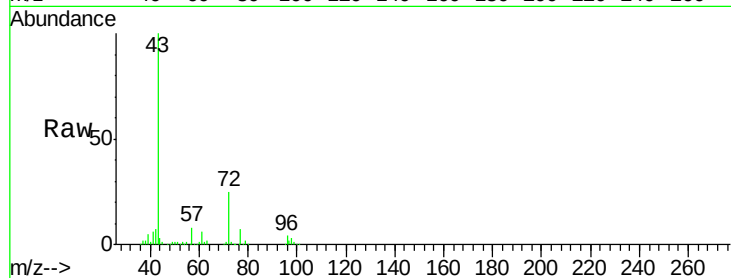
#25
 2-Butanone
 Concen: 215.98 ug/l
 RT: 4.26 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
72	25.4	19.6	29.4

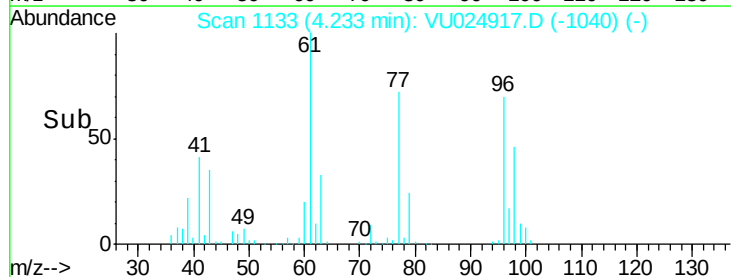
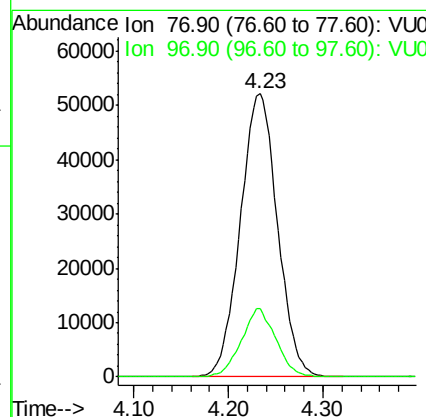
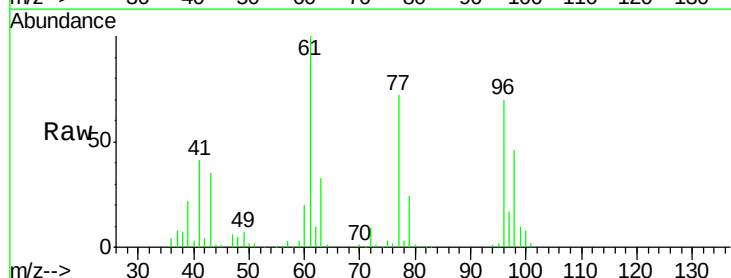
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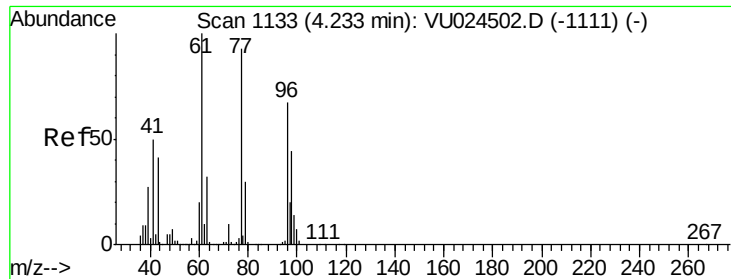
apatel
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#26
 2,2-Dichloropropane
 Concen: 33.96 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.3	33.8





#27

cis-1,2-Dichloroethene

Concen: 47.42 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

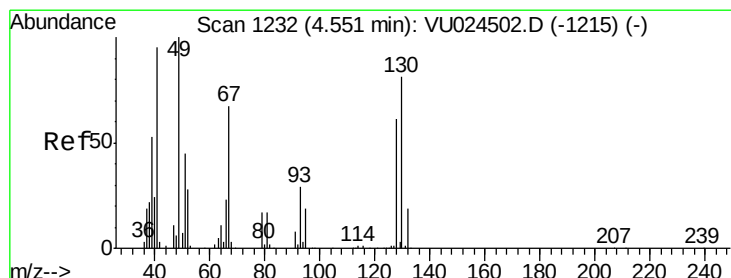
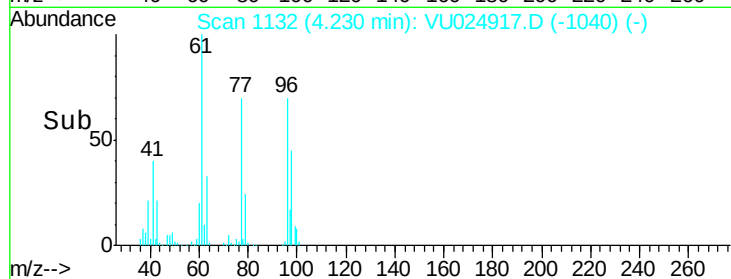
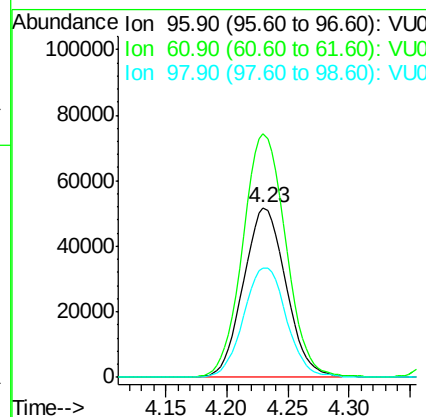
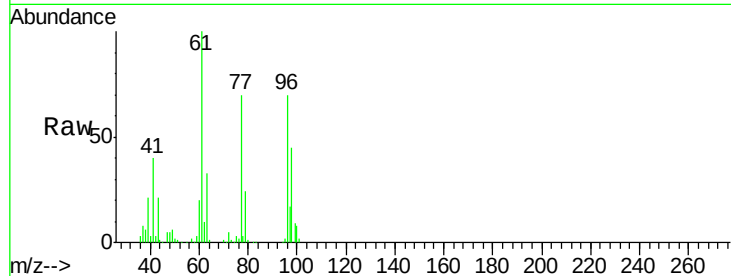
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	124980
Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	306.6
98	65.3	0.0	128.8

Manual Integrations
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#28

Bromochloromethane

Concen: 49.44 ug/l

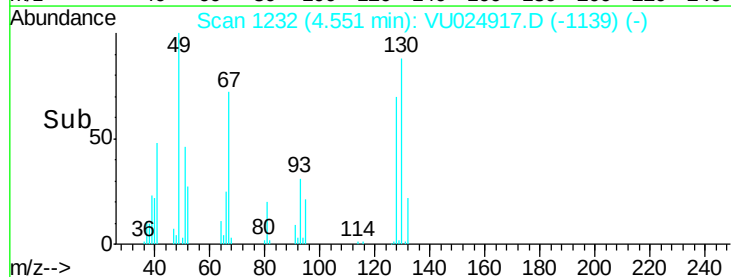
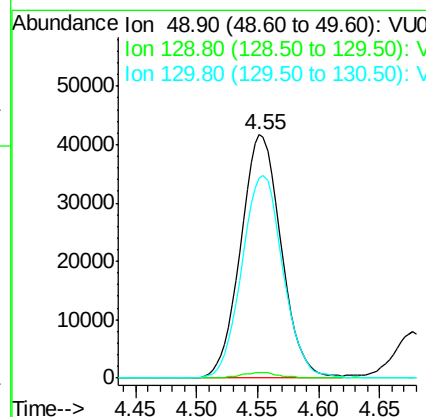
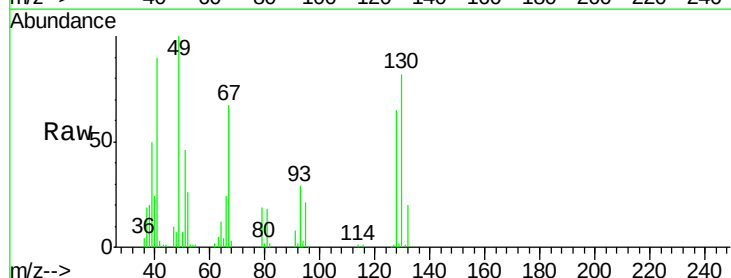
RT: 4.55 min Scan# 1232

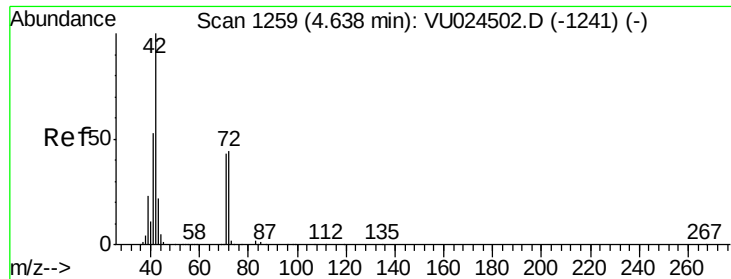
Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Tgt Ion:	49	Resp:	95960
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	84.2	57.8	86.6





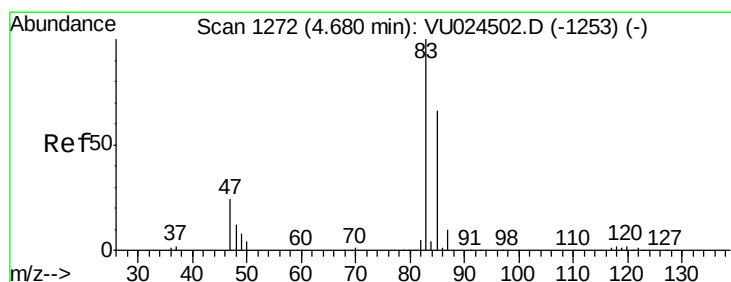
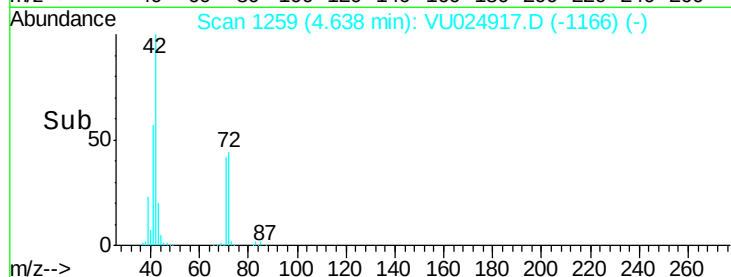
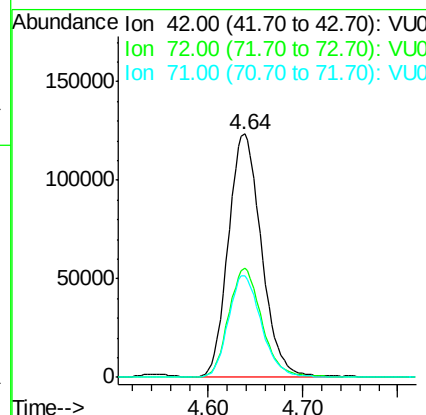
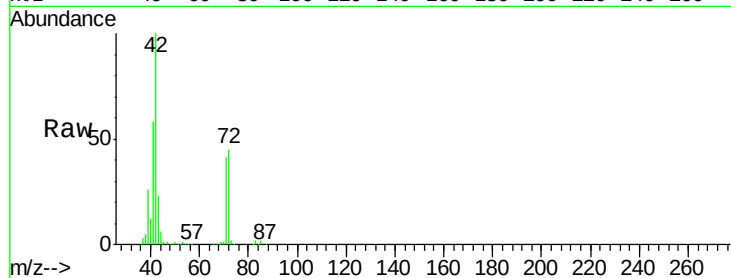
#29
Tetrahydrofuran
Concen: 223.57 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	34.5	51.7
71	41.9	32.2	48.4

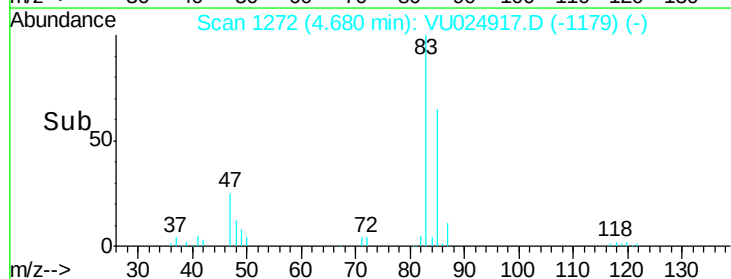
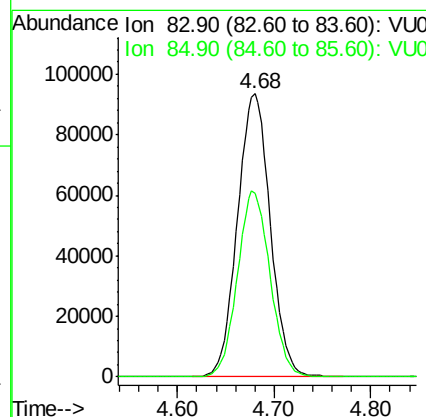
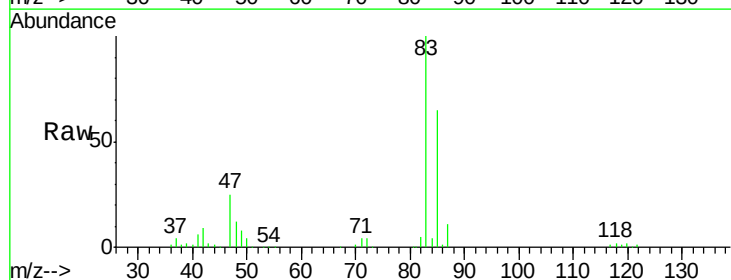
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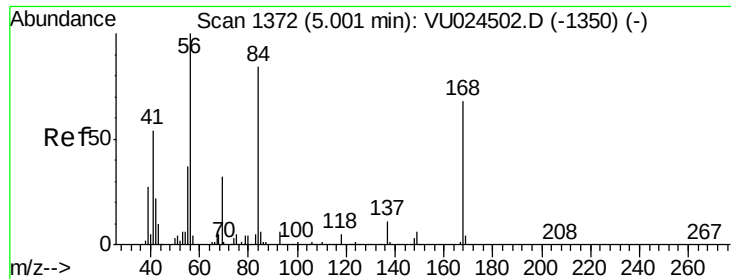
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#30
Chloroform
Concen: 49.41 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.4	78.6





#31

Cyclohexane

Concen: 46.13 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

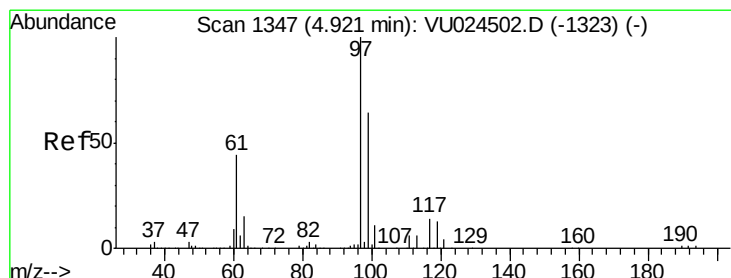
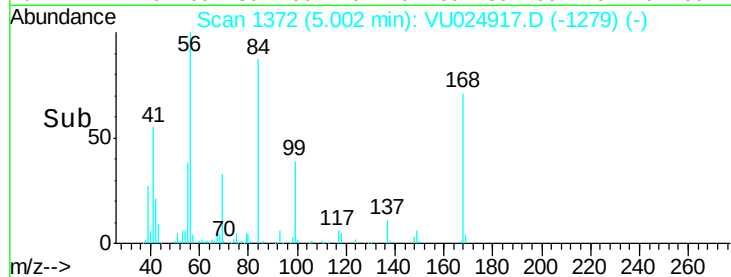
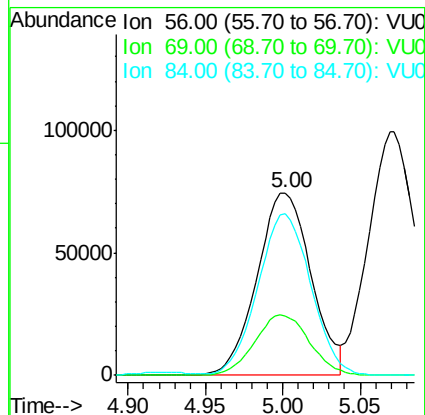
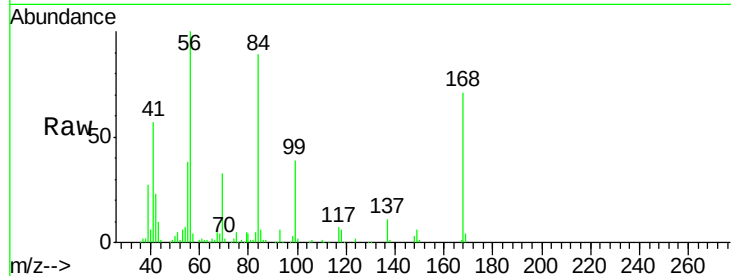
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	181114
Ion	Ratio	Lower	Upper
56	100		
69	32.5	24.8	37.2
84	88.0	65.2	97.8

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#32

1,1,1-Trichloroethane

Concen: 49.10 ug/l

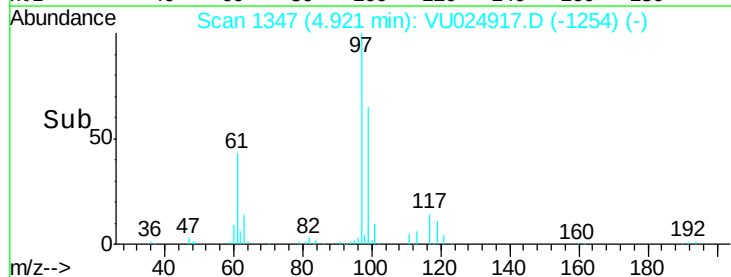
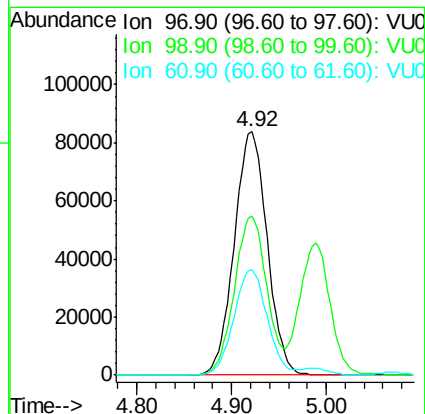
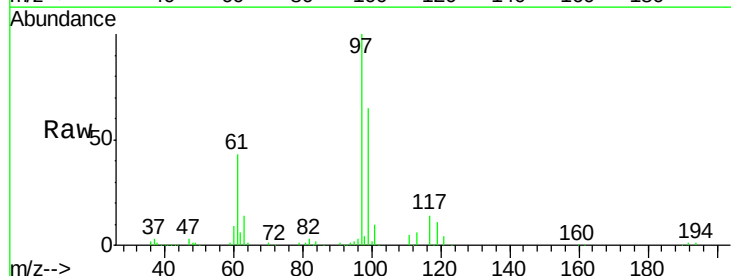
RT: 4.92 min Scan# 1347

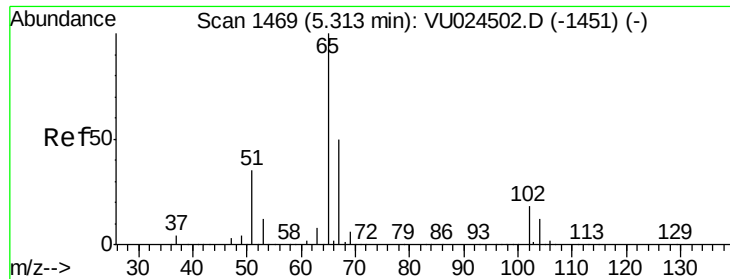
Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Tgt Ion:	97	Resp:	202524
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	43.8	39.4	59.0





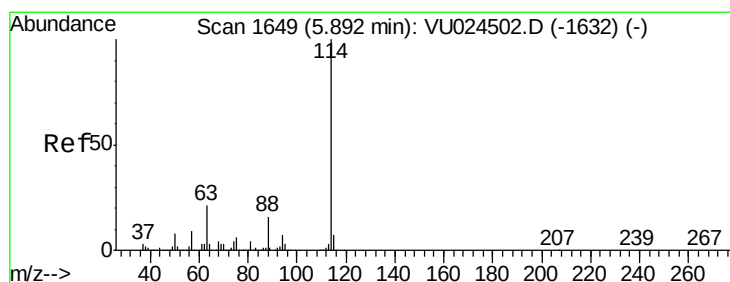
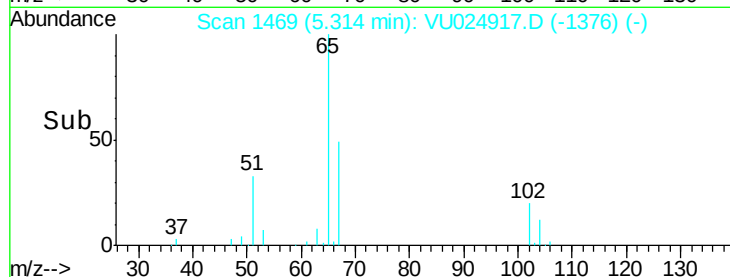
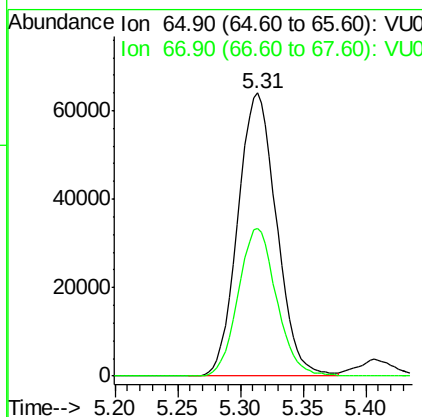
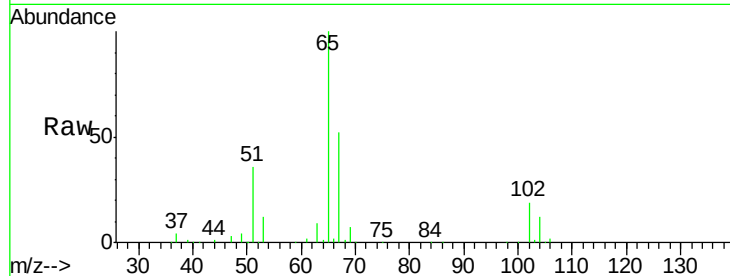
#33
 1,2-Dichloroethane-d4
 Concen: 46.10 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	107.0

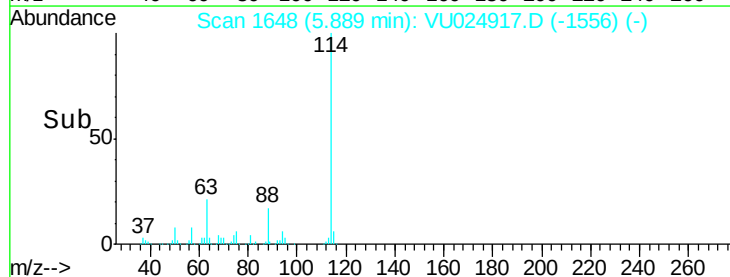
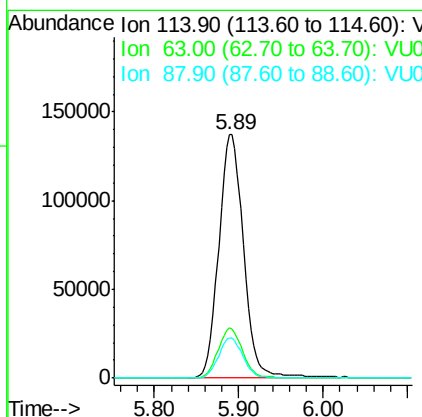
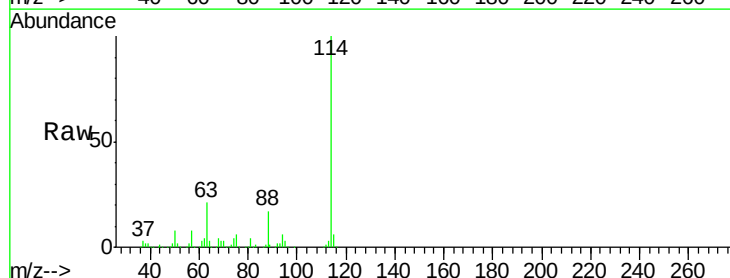
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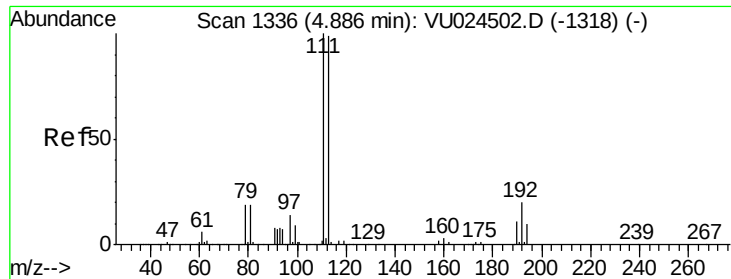
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	45.4
88	16.6	0.0	31.0





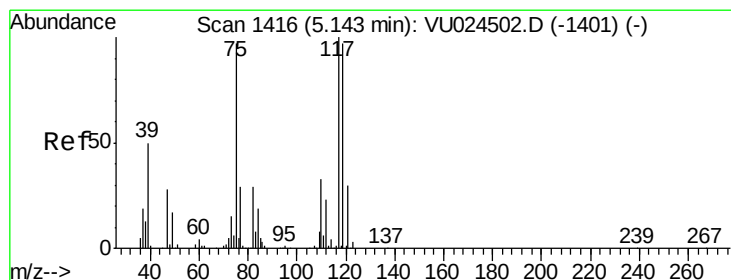
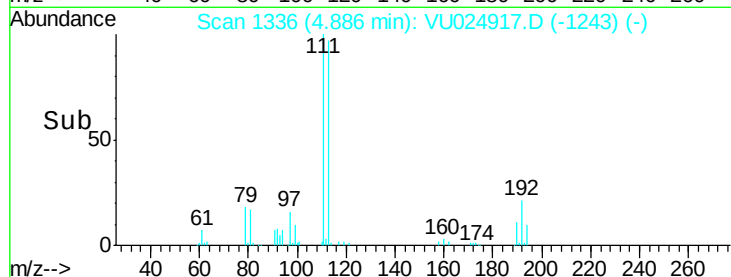
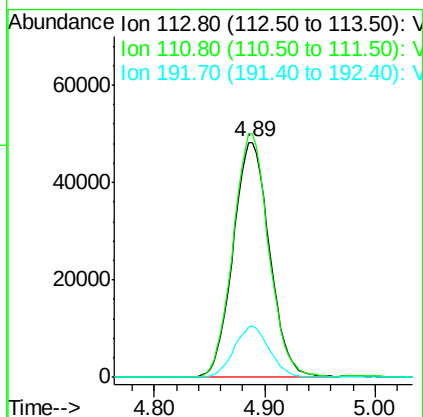
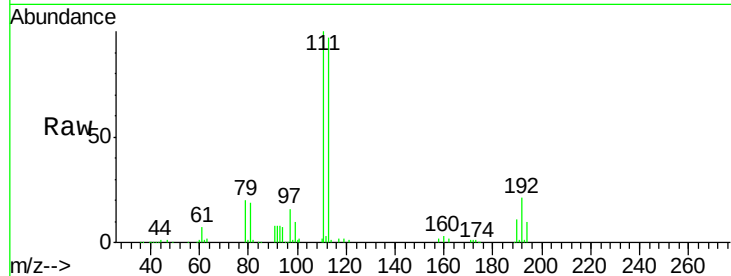
#35
 Dibromofluoromethane
 Concen: 47.51 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	110774		
111	101.6	82.2	123.4	
192	21.1	16.2	24.4	

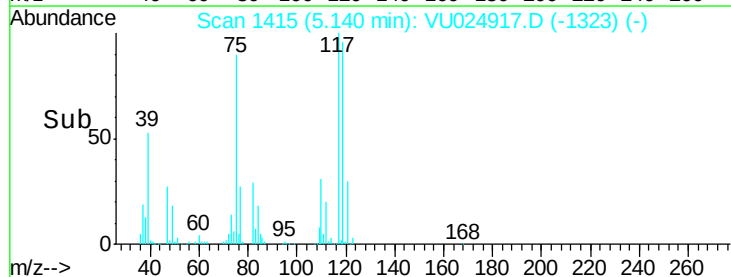
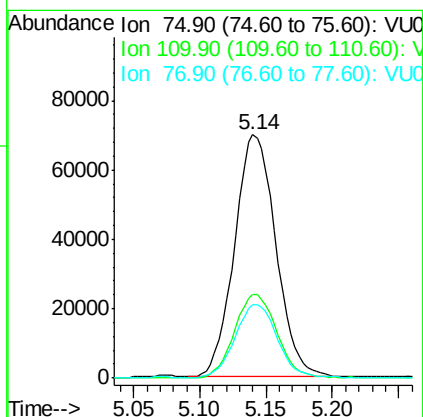
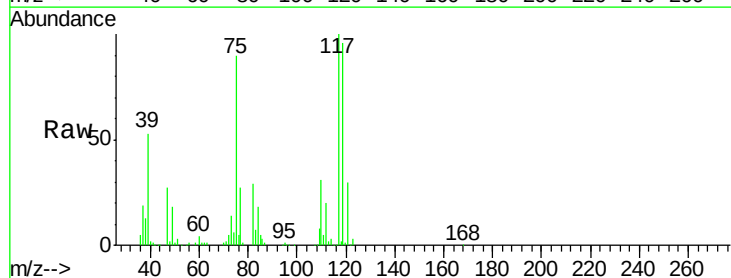
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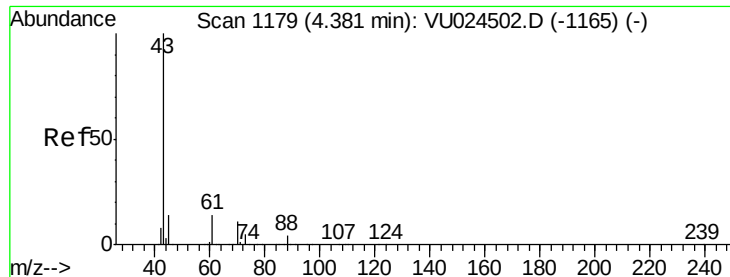
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#36
 1,1-Dichloropropene
 Concen: 45.69 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	150818		
110	35.7	17.0	50.9	
77	30.9	24.2	36.4	





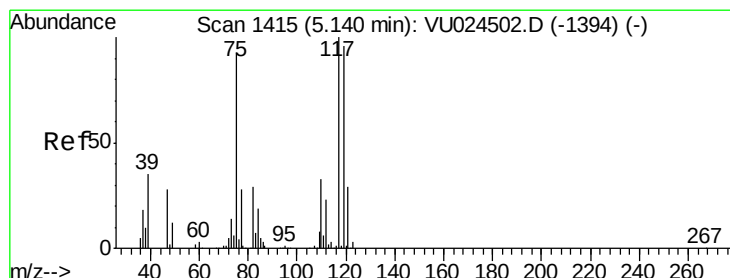
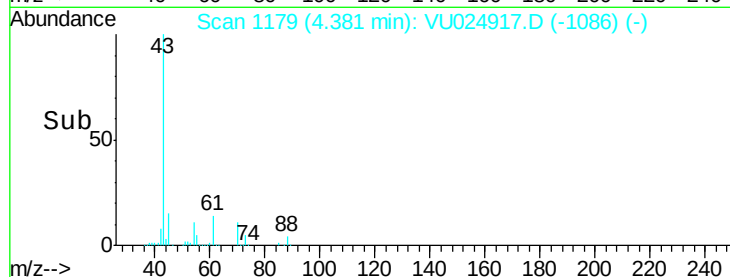
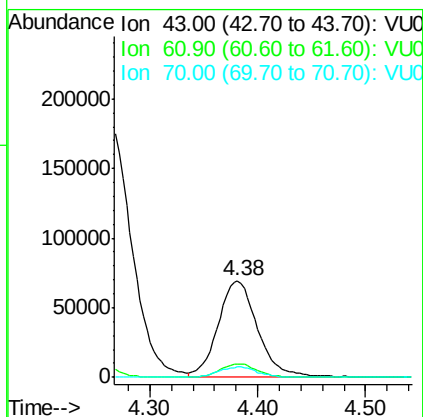
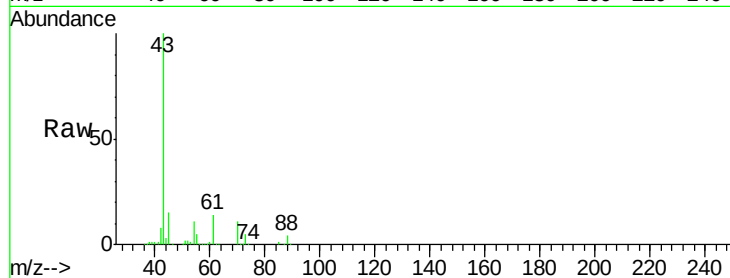
#37
Ethyl Acetate
Concen: 48.06 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.5	15.7
70	10.8	7.4	11.2

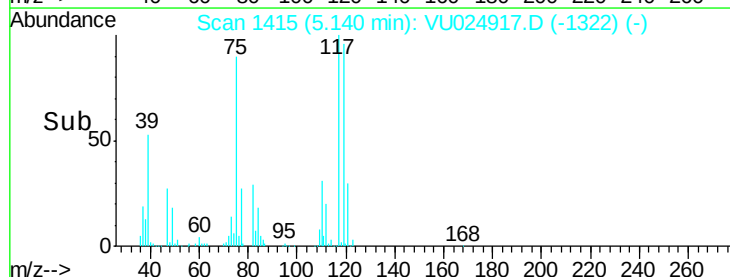
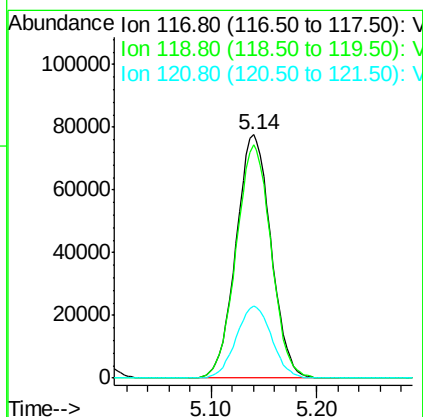
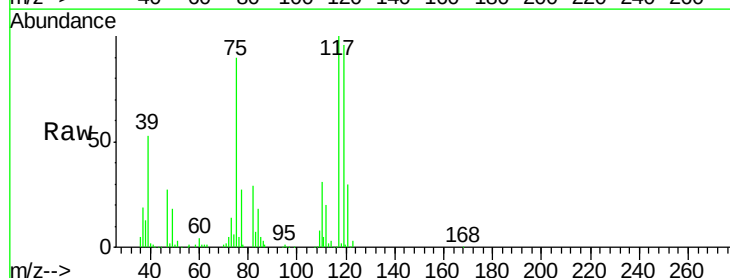
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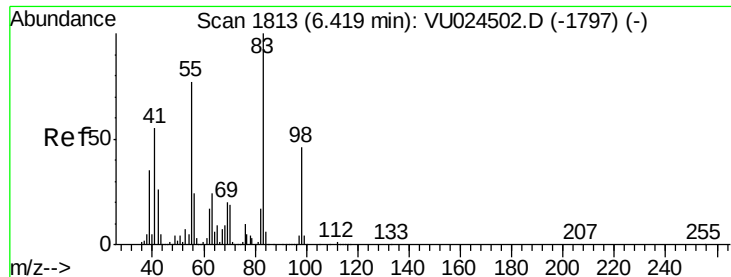
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#38
Carbon Tetrachloride
Concen: 49.21 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.1	114.1
121	29.6	23.7	35.5





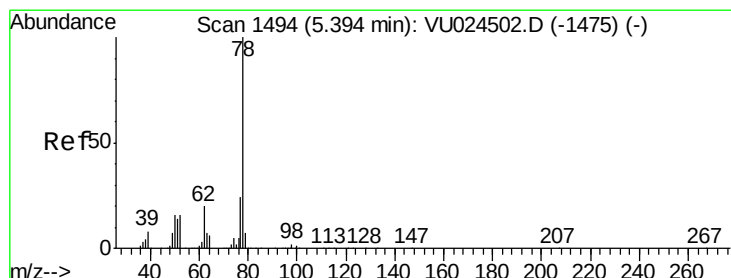
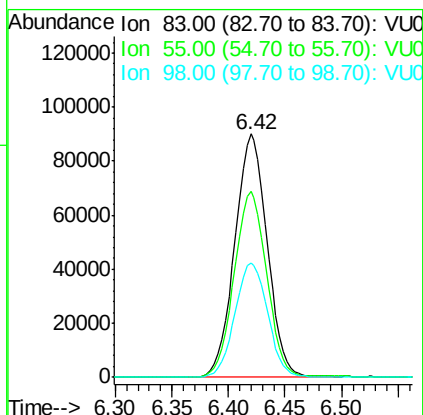
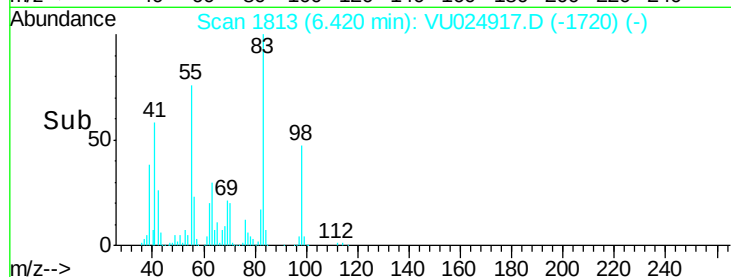
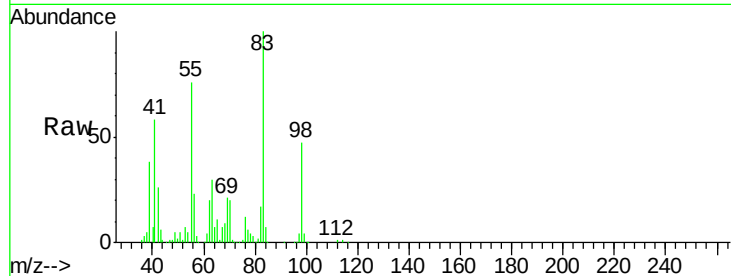
#39
Methylvlcyclohexane
Concen: 43.84 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	65.8	98.6
98	47.2	36.7	55.1

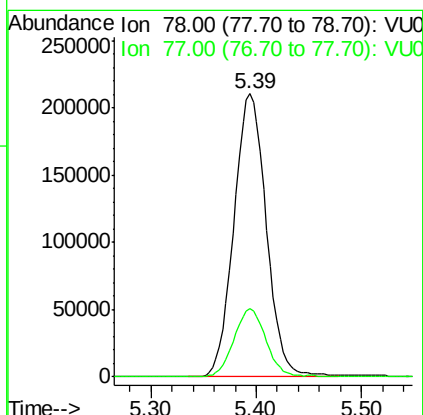
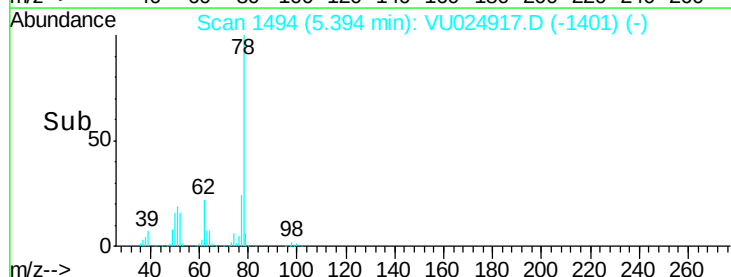
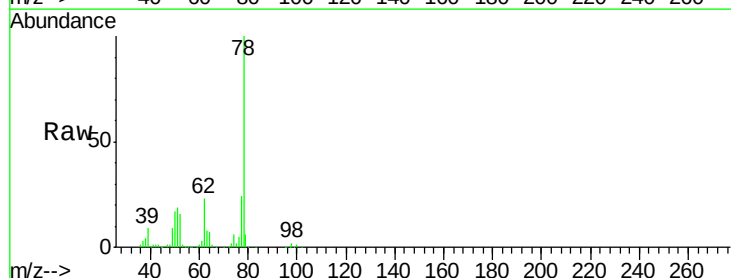
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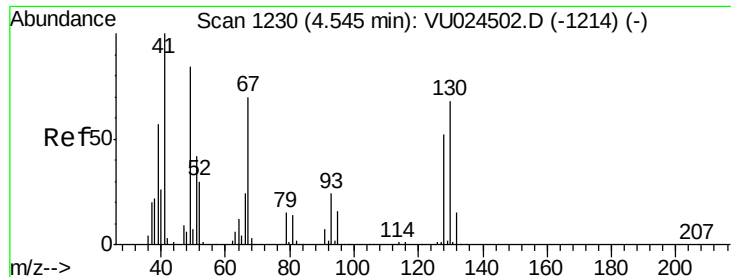
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#40
Benzene
Concen: 47.84 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





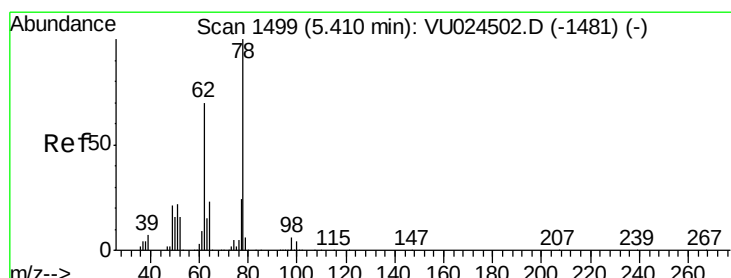
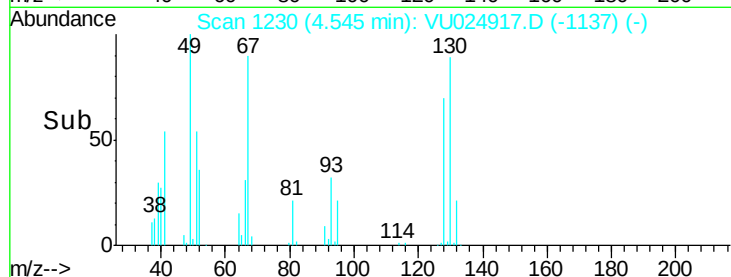
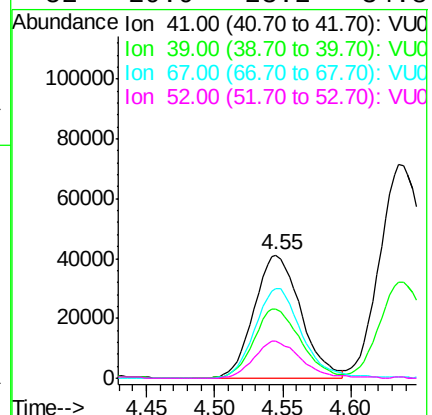
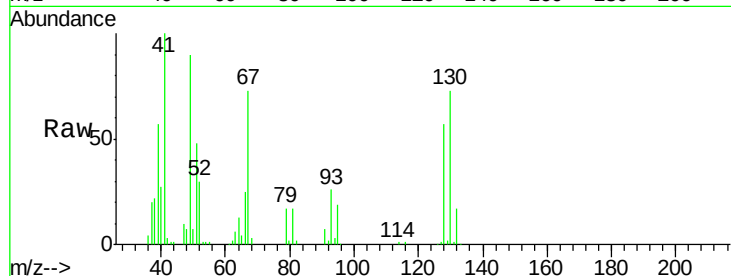
#41
Methacrylonitrile
Concen: 50.07 ug/l
RT: 4.55 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.4	43.8	65.6	
67	74.1	56.3	84.5	
52	29.9	23.2	34.8	

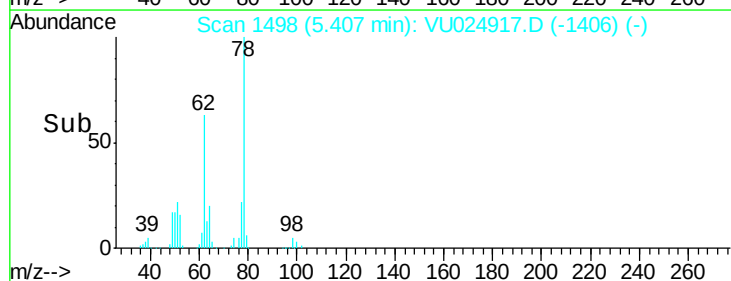
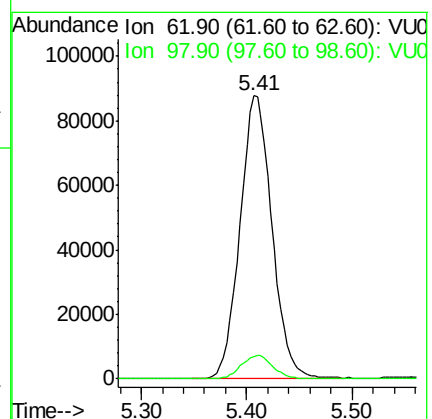
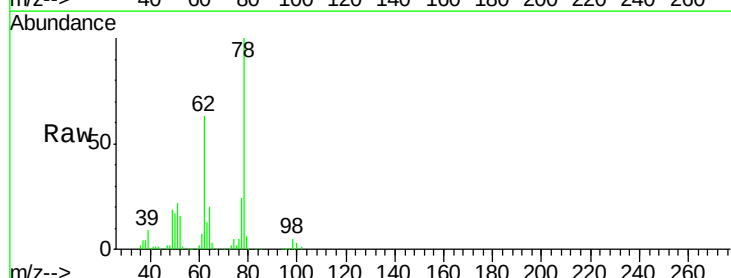
Manual Integrations
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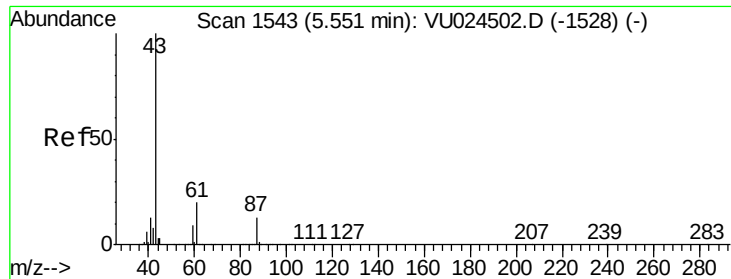
apatel
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#42
1,2-Dichloroethane
Concen: 51.56 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	16.6	





#43

Isopropyl Acetate

Concen: 45.78 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

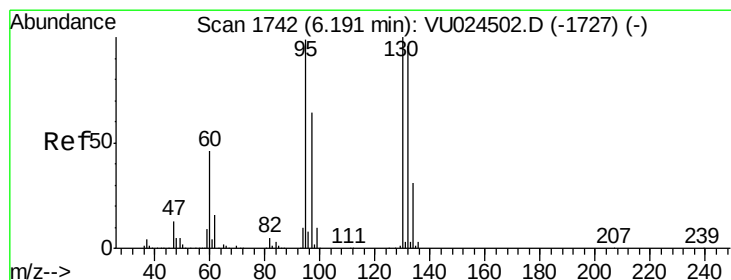
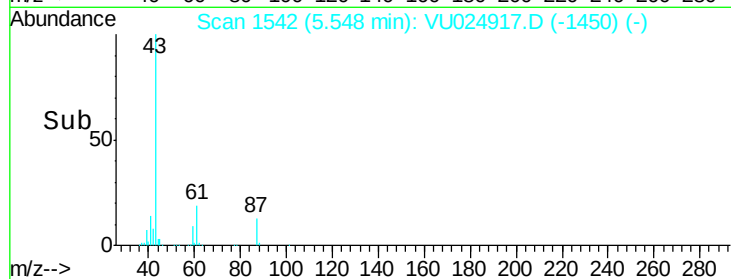
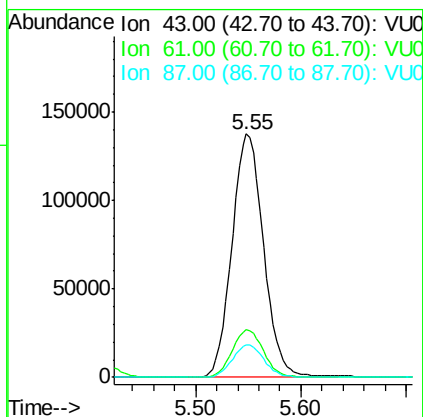
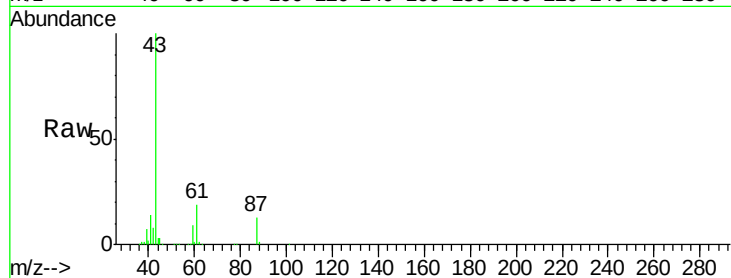
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	284711
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.4	23.0
87	13.4	10.0	15.0

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#44

Trichloroethene

Concen: 46.43 ug/l

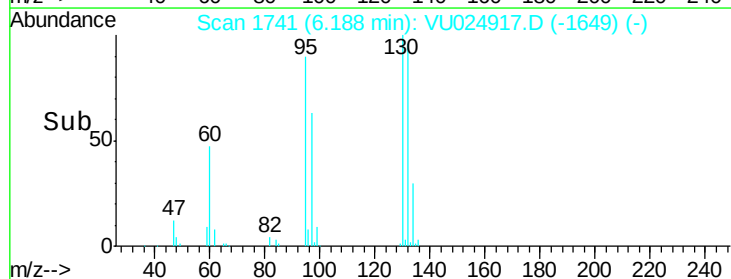
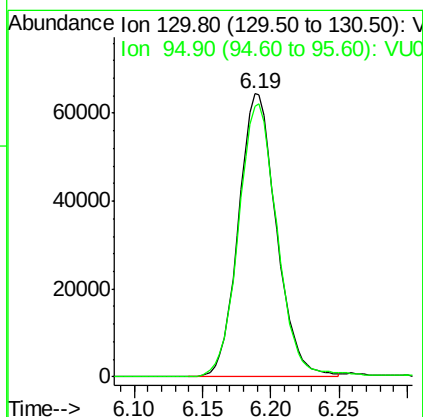
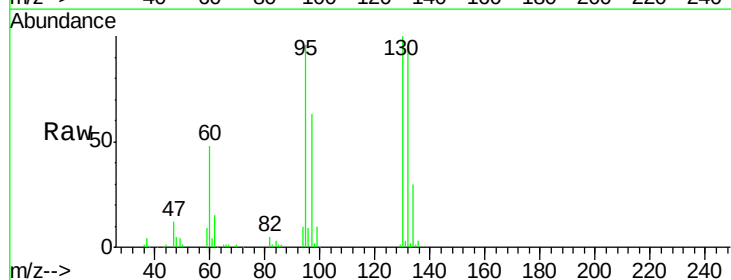
RT: 6.19 min Scan# 1741

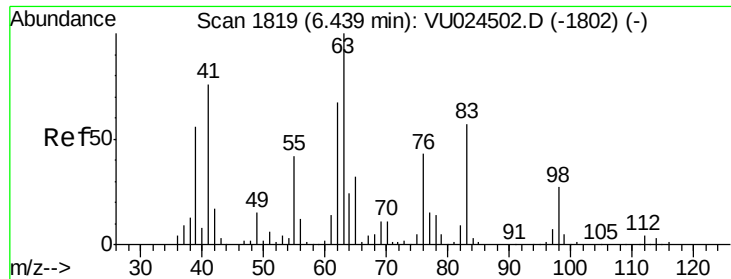
Delta R.T. -0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Tgt Ion:	130	Resp:	124301
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	202.4





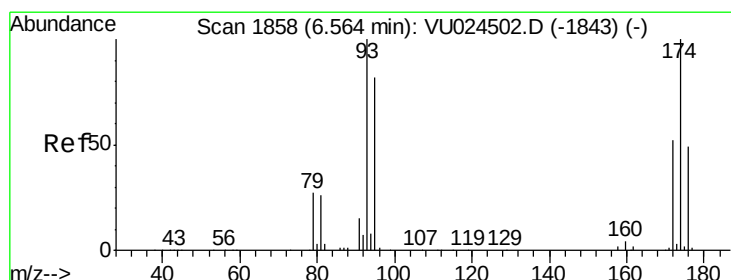
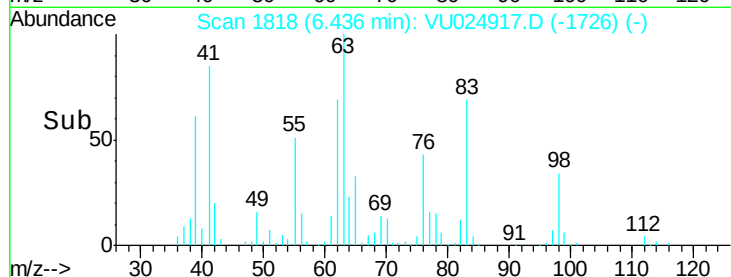
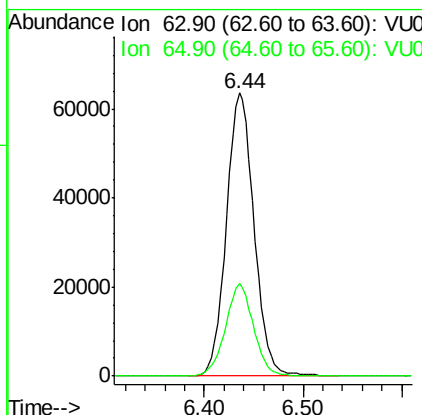
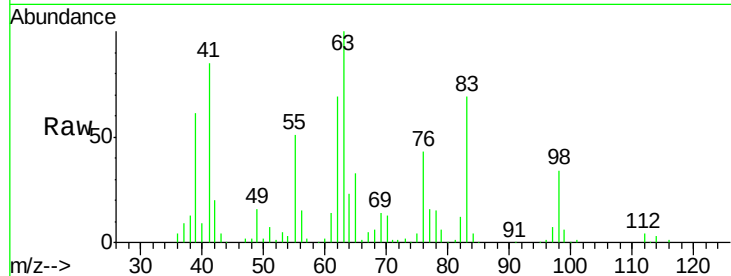
#45
 1,2-Dichloropropane
 Concen: 49.36 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 123890
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.8 37.2

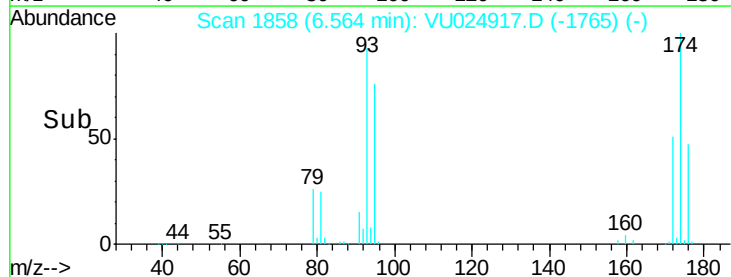
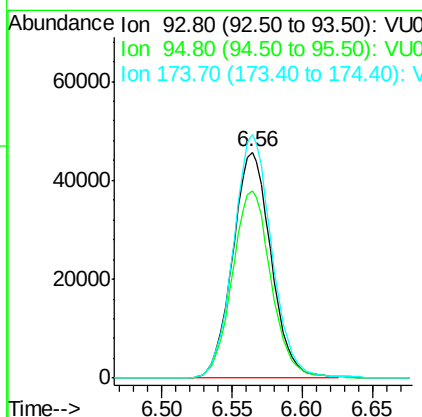
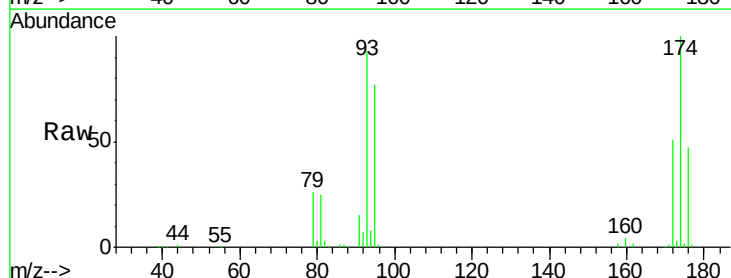
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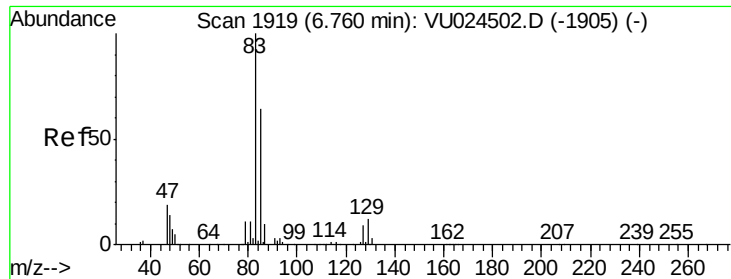
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#46
 Dibromomethane
 Concen: 49.49 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Tgt Ion: 93 Resp: 87239
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.5 98.3
 174 107.1 78.7 118.1





#47

Bromodichloromethane

Concen: 49.03 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

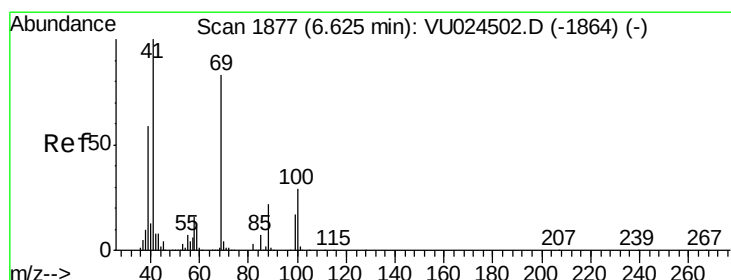
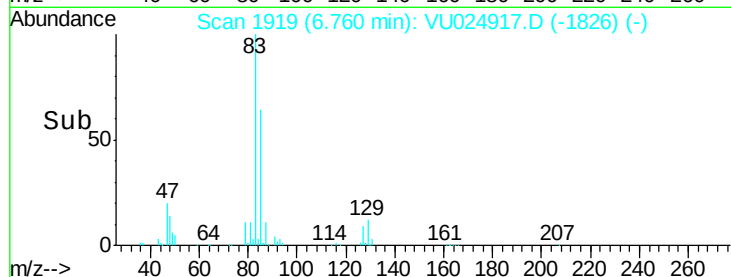
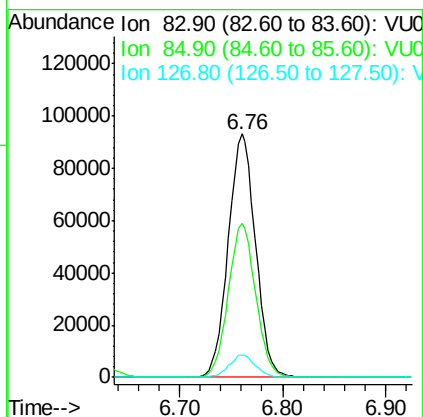
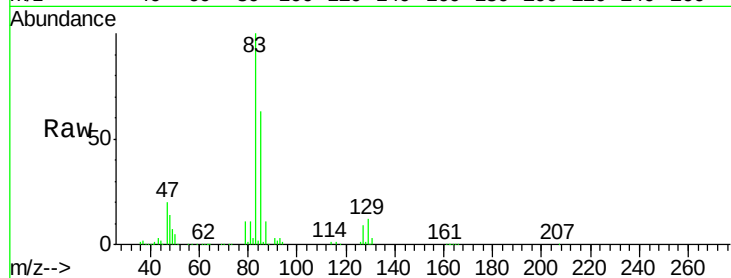
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	172116
Ion Ratio	Lower	Upper	
83	100		
85	63.1	51.9	77.9
127	9.3	6.6	9.8

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#48

Methyl methacrylate

Concen: 48.29 ug/l

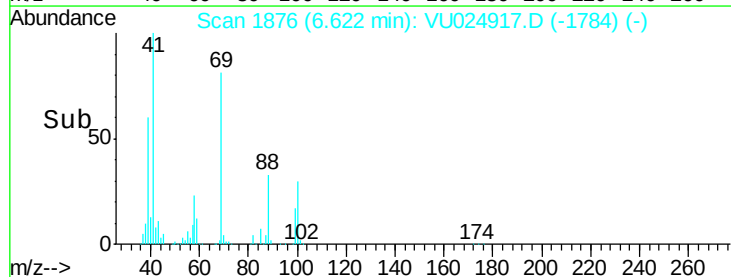
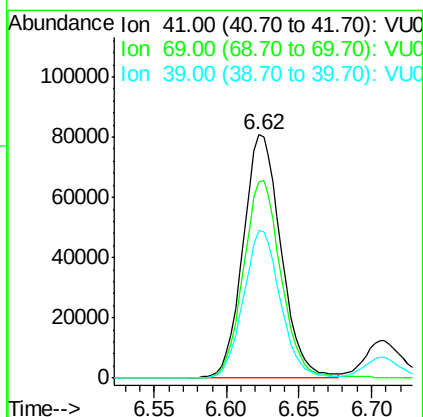
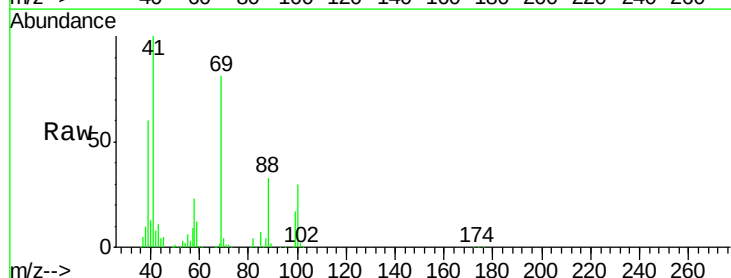
RT: 6.62 min Scan# 1876

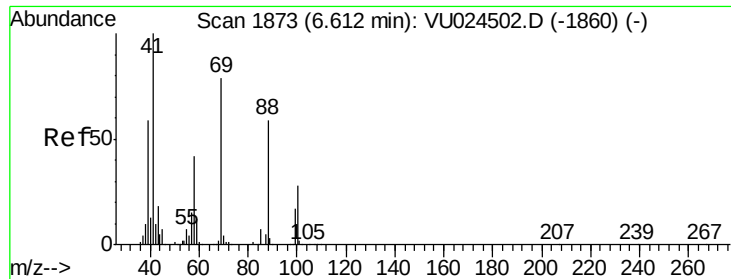
Delta R.T. -0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Tgt Ion:	41	Resp:	146230
Ion Ratio	Lower	Upper	
41	100		
69	81.2	67.3	100.9
39	58.8	46.5	69.7





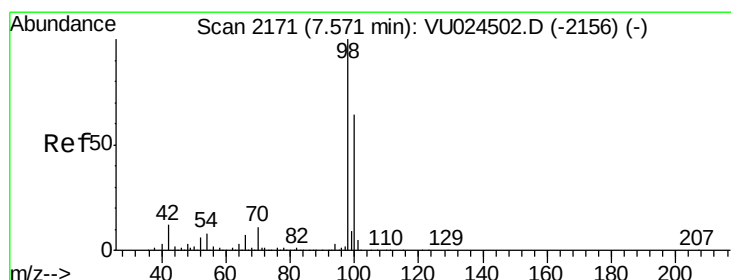
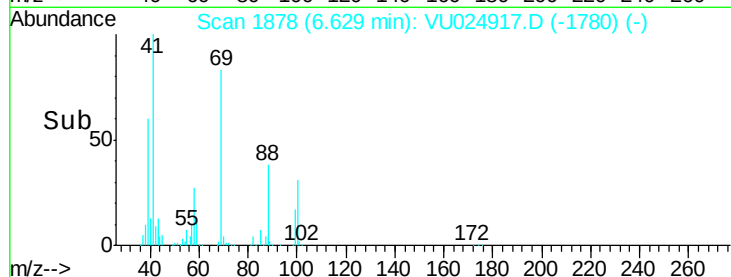
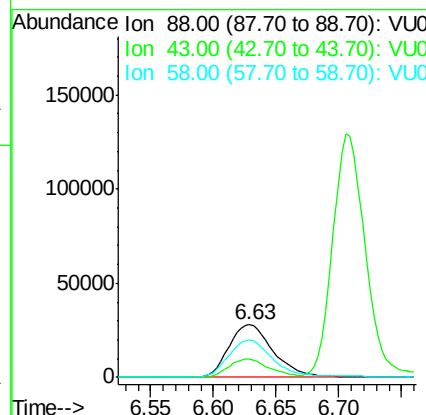
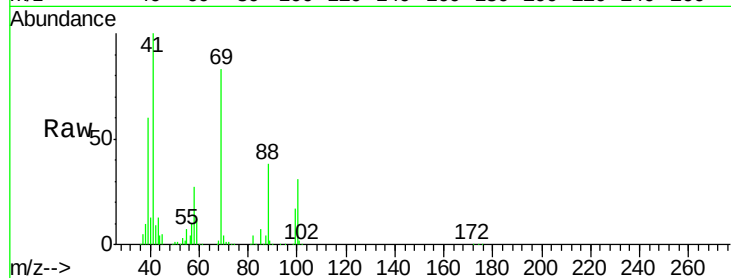
#49
1,4-Dioxane
Concen: 1150.13 ug/l
RT: 6.63 min Scan# 1878
Delta R.T. 0.02 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.5	28.6	42.8
58	70.9	58.2	87.4

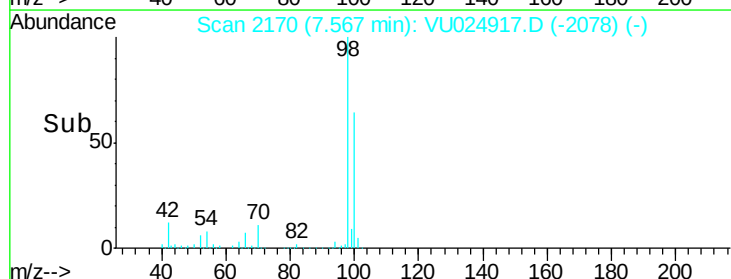
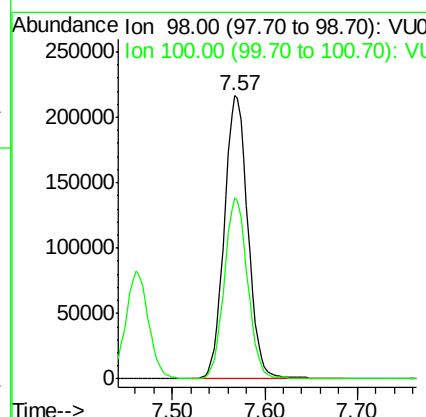
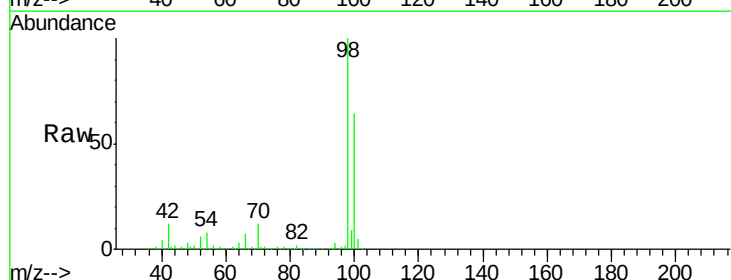
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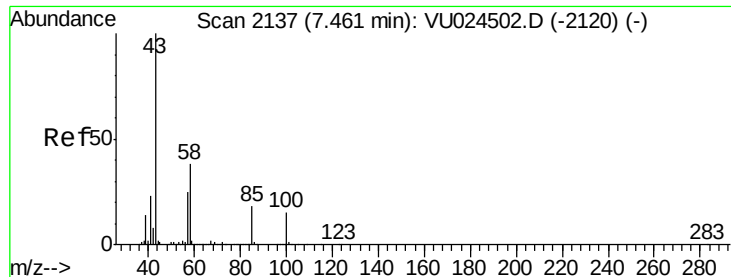
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#50
Toluene-d8
Concen: 44.94 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.1	76.7





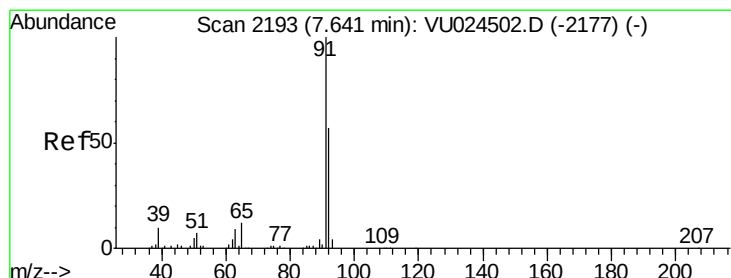
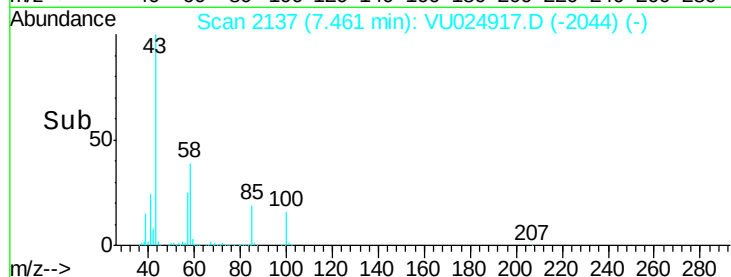
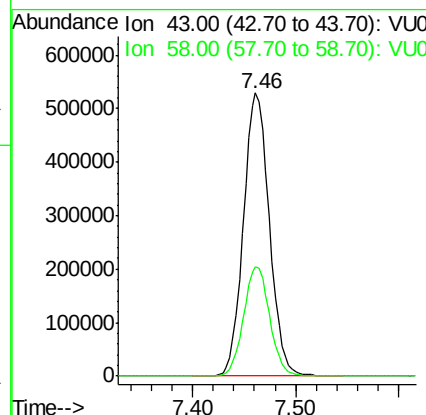
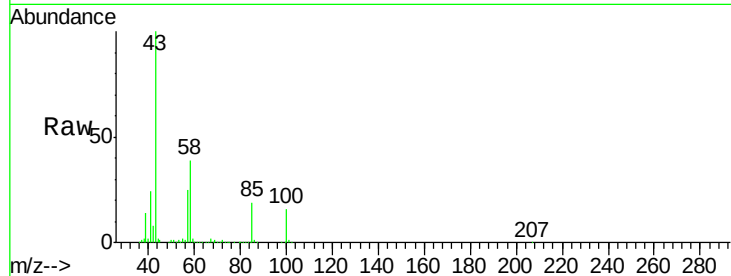
#51
 4-Methyl-2-Pentanone
 Concen: 236.85 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	925406
Ion	Ratio	Lower	Upper
43	100		
58	38.9	30.0	45.0

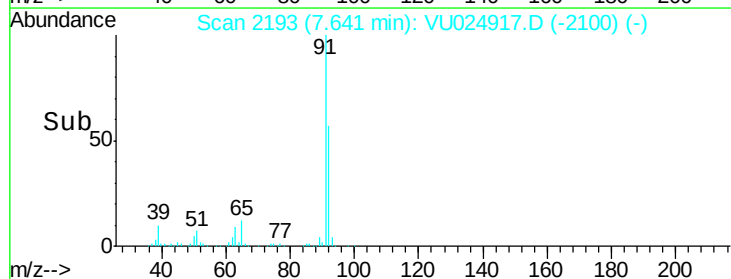
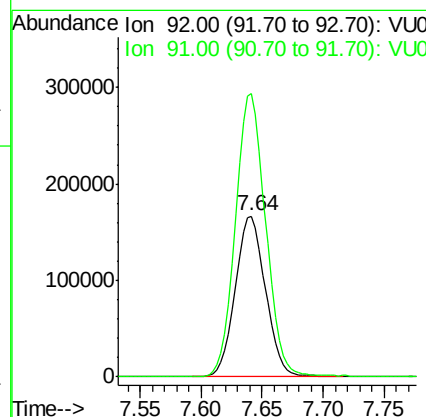
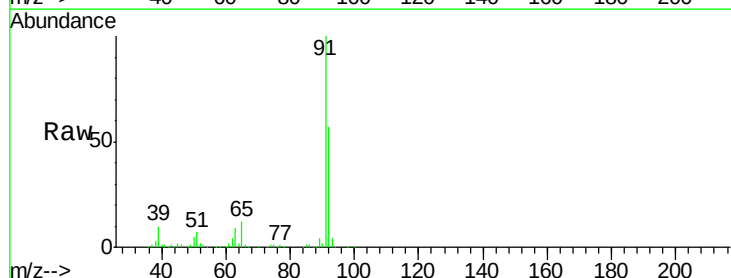
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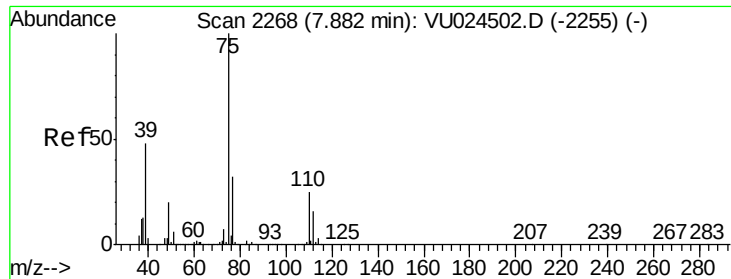
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#52
 Toluene
 Concen: 47.72 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Tgt Ion	92	Resp	288756
Ion	Ratio	Lower	Upper
92	100		
91	175.0	140.5	210.7





#53

t-1,3-Dichloropropene

Concen: 44.75 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 176412

Ion Ratio Lower Upper

75 100

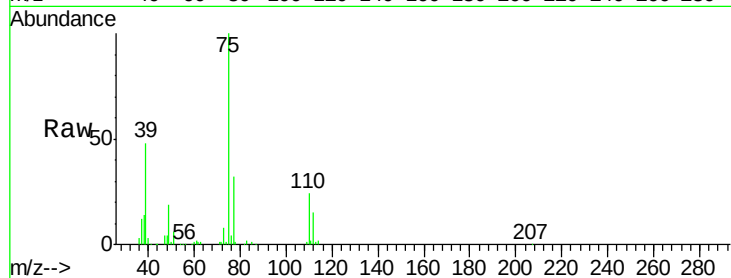
77 32.1 24.8 37.2

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

120000

100000

80000

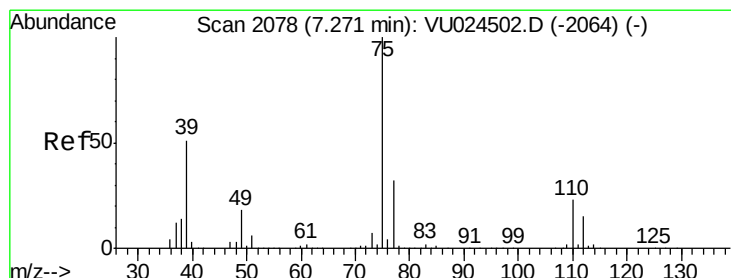
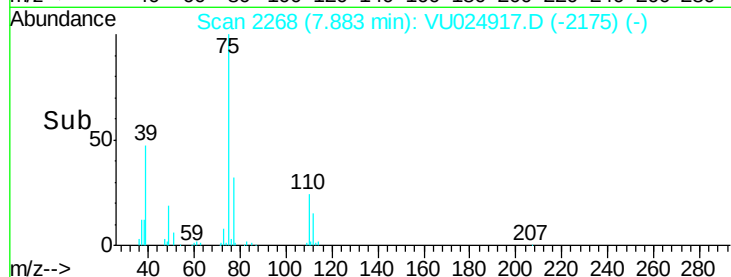
60000

40000

20000

0

Time--> 7.80 7.85 7.90 7.95 8.00



#54

cis-1,3-Dichloropropene

Concen: 44.87 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

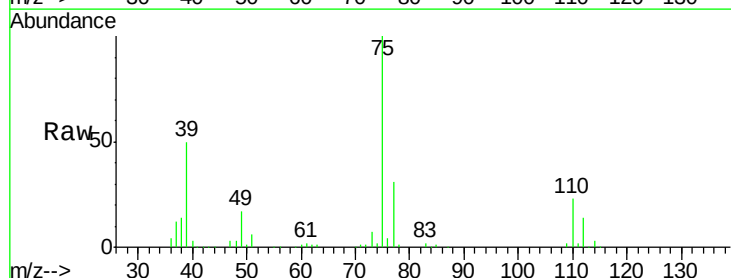
Tgt Ion: 75 Resp: 188480

Ion Ratio Lower Upper

75 100

77 31.2 24.6 36.8

39 50.3 39.8 59.6



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

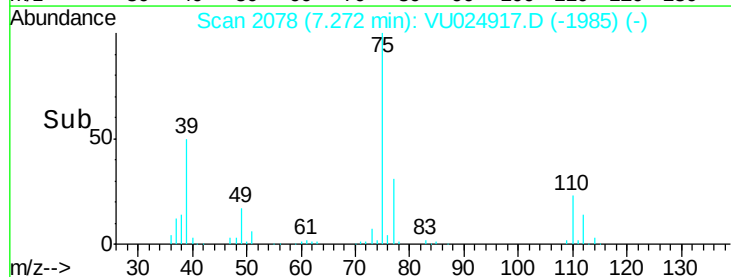
7.27

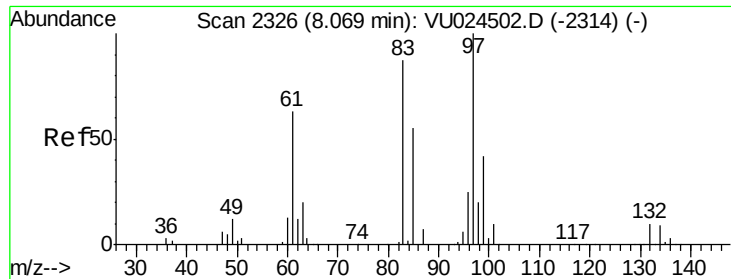
100000

50000

0

Time--> 7.20 7.25 7.30 7.35





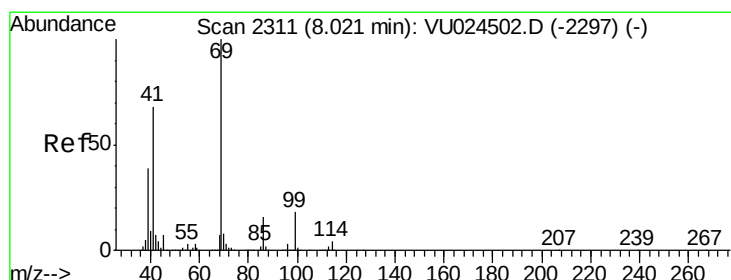
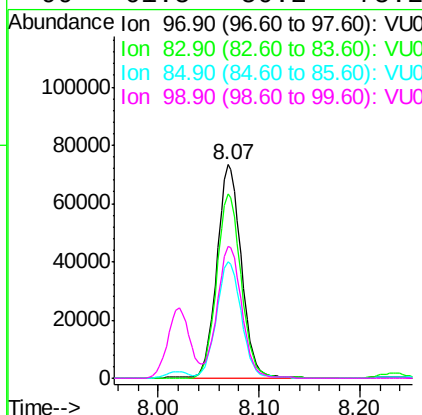
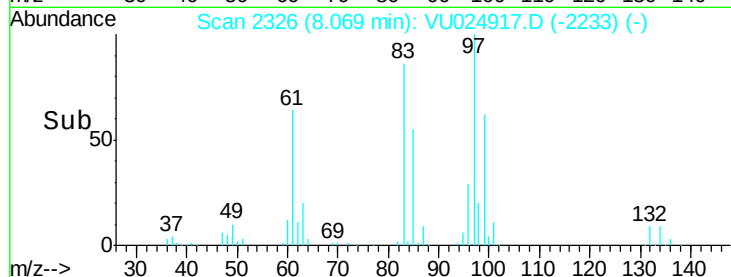
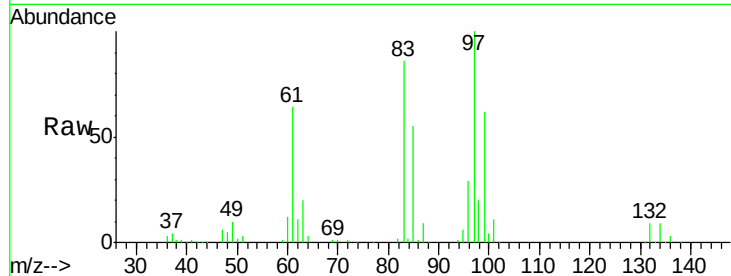
#55
 1,1,2-Trichloroethane
 Concen: 50.37 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		123898		
83	86.4	70.5	105.7		
85	54.6	46.4	69.6		
99	61.5	50.2	75.2		

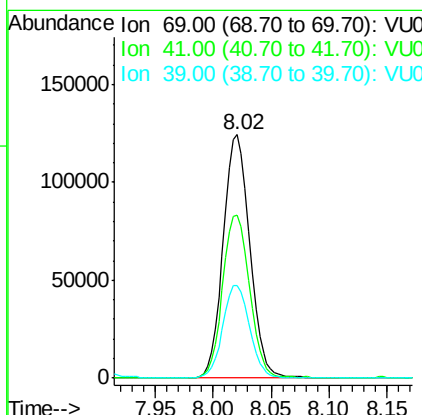
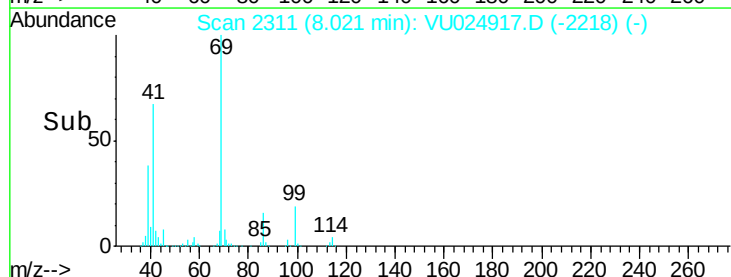
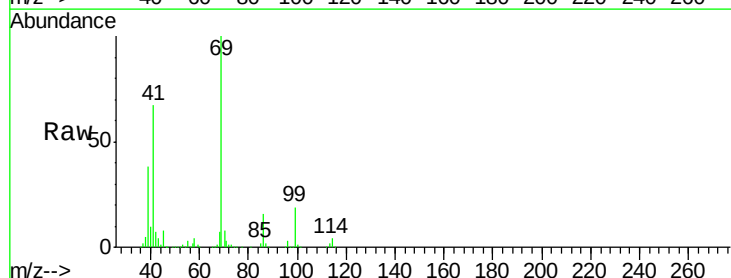
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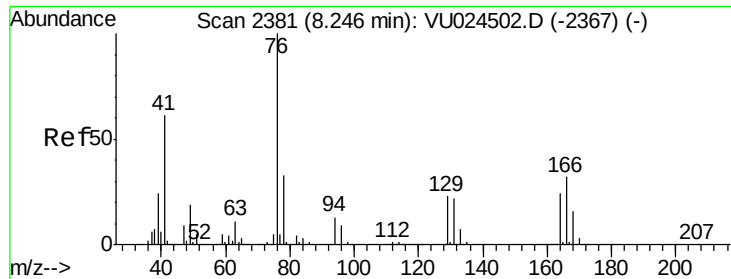
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#56
 Ethyl methacrylate
 Concen: 48.08 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		197934		
41	67.9	54.1	81.1		
39	38.0	30.3	45.5		





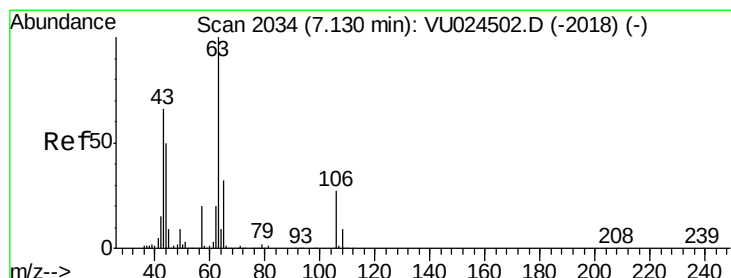
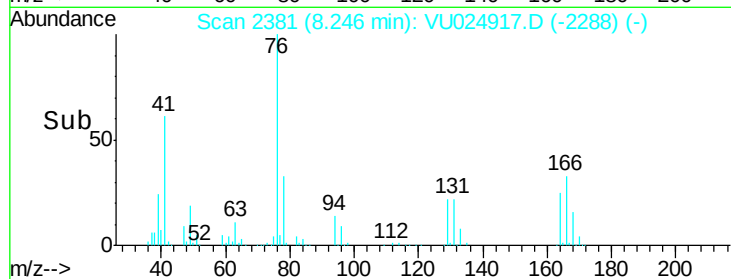
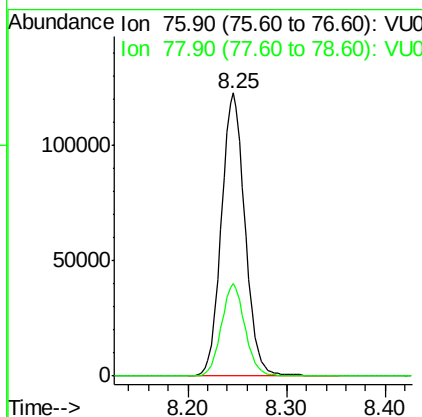
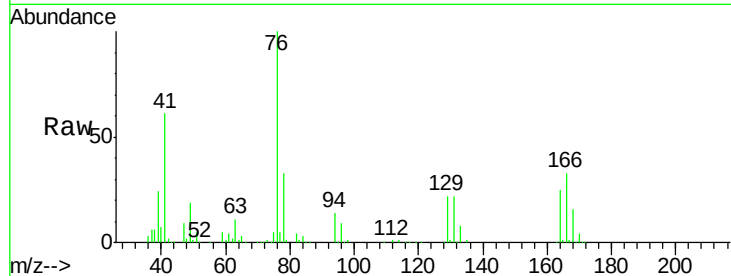
#57
 1,3-Dichloropropane
 Concen: 49.77 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 206534
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.2 37.8

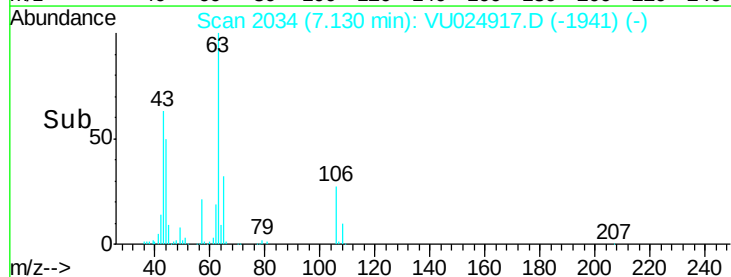
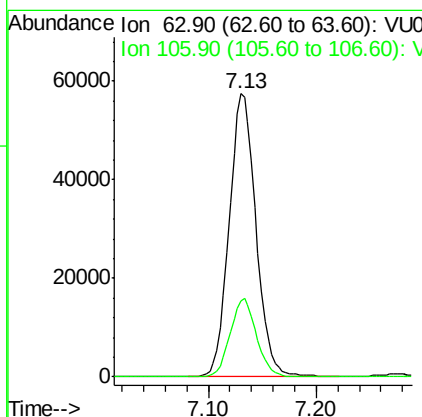
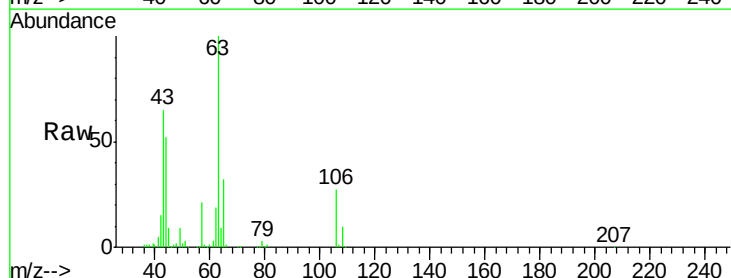
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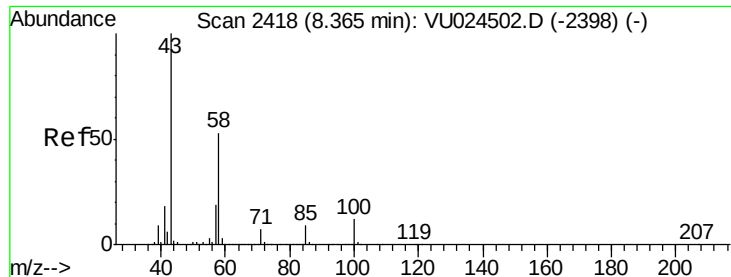
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#58
 2-Chloroethyl Vinyl ether
 Concen: 63.18 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Tgt Ion: 63 Resp: 99658
 Ion Ratio Lower Upper
 63 100
 106 27.1 20.2 30.2





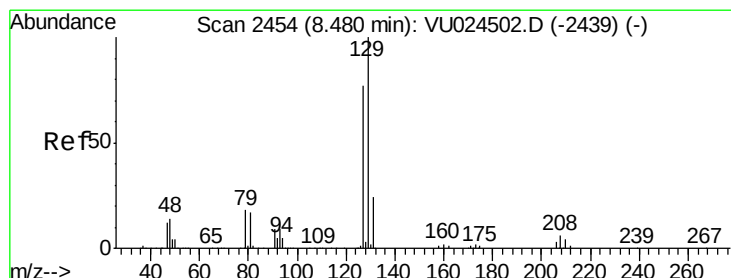
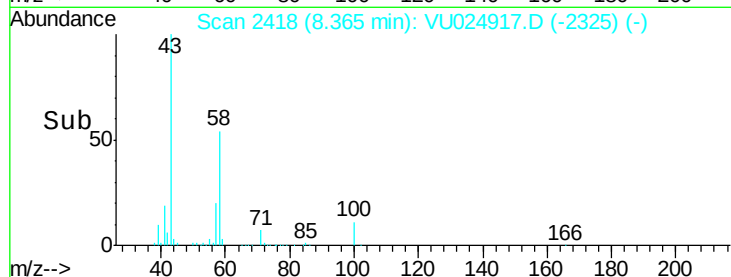
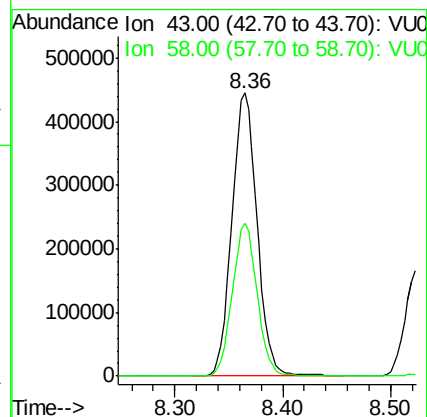
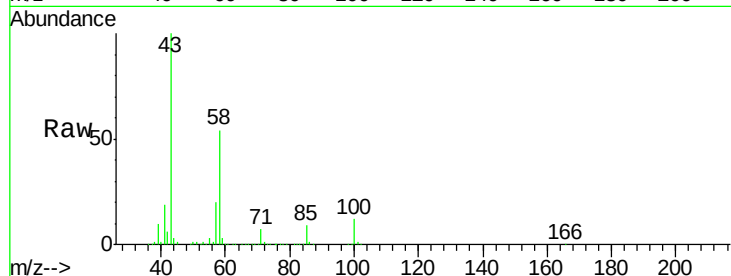
#59
2-Hexanone
Concen: 227.46 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 725529
Ion Ratio Lower Upper
43 100
58 53.3 26.4 79.0

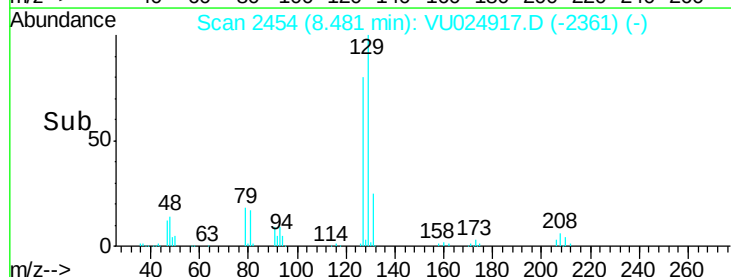
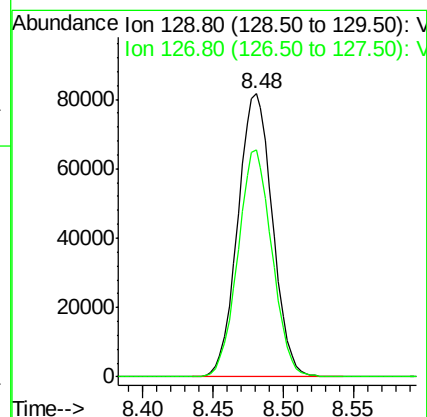
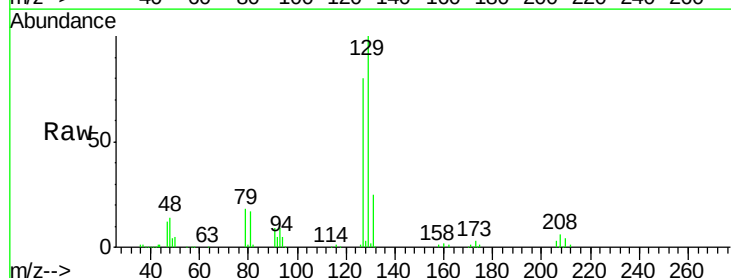
Manual Integrations
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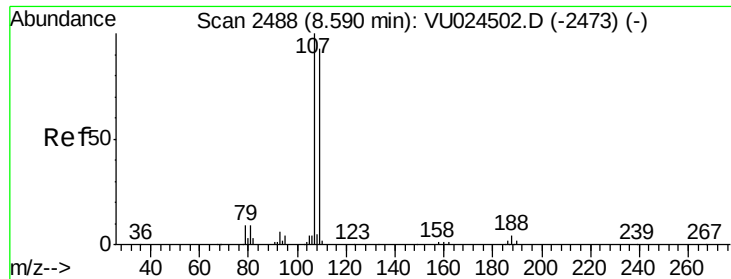
apatel
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#60
Dibromochloromethane
Concen: 45.97 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Tgt Ion: 129 Resp: 141005
Ion Ratio Lower Upper
129 100
127 78.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.19 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 134687

Ion Ratio Lower Upper

107 100

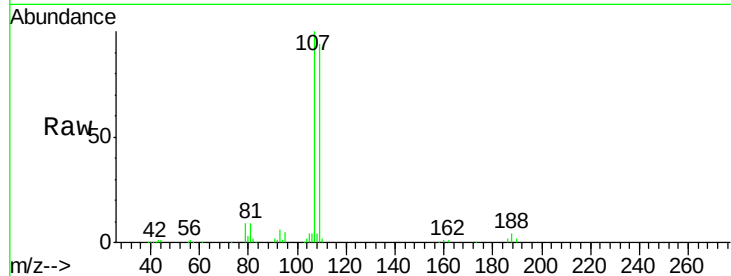
109 93.3 74.5 111.7

Manual Integrations

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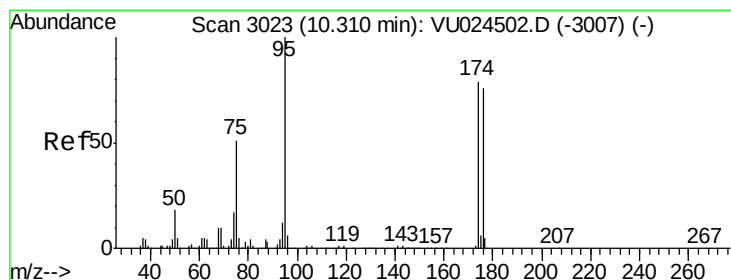
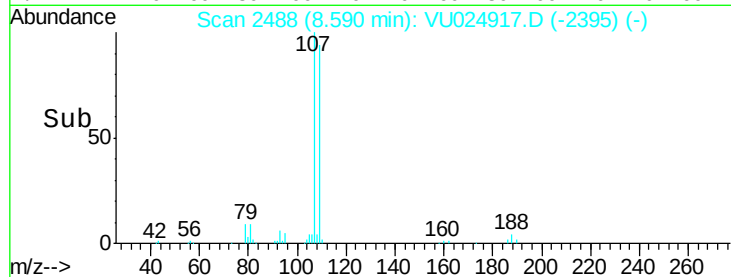
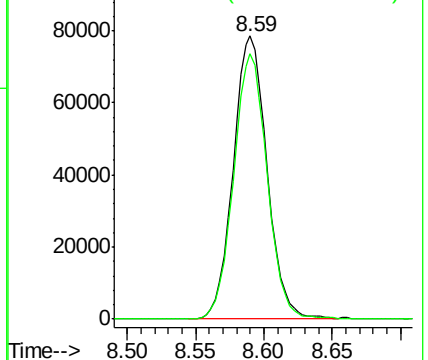
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.60 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

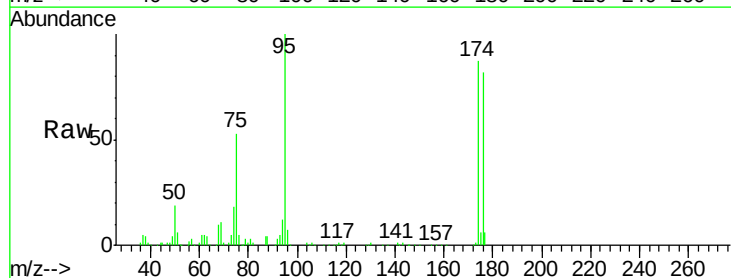
Tgt Ion: 95 Resp: 153965

Ion Ratio Lower Upper

95 100

174 85.4 0.0 165.8

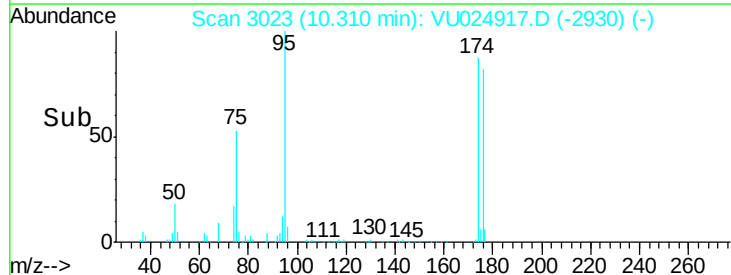
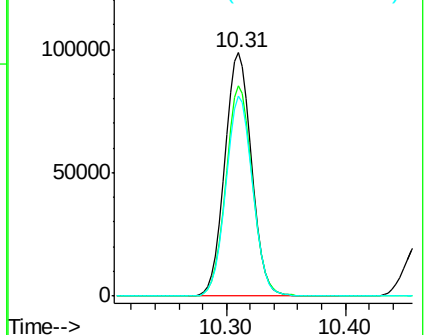
176 81.9 0.0 159.4

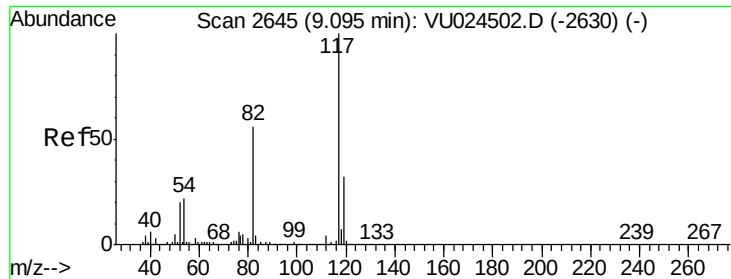


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





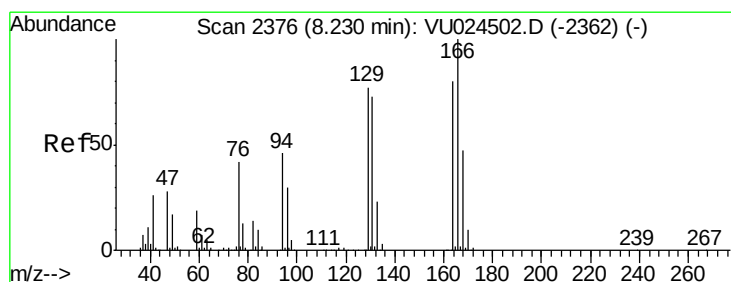
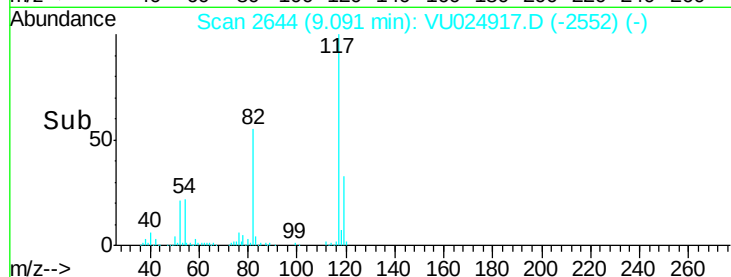
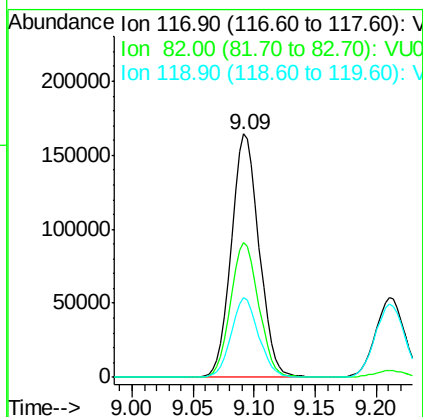
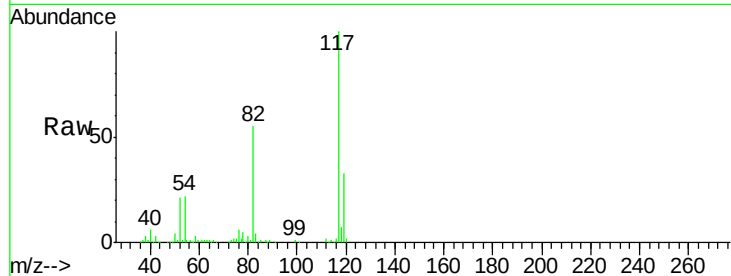
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.3	66.5
119	32.6	25.4	38.2

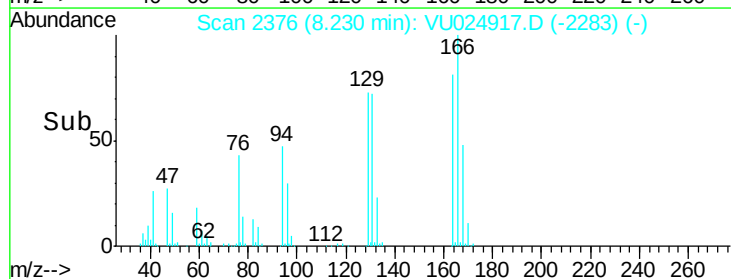
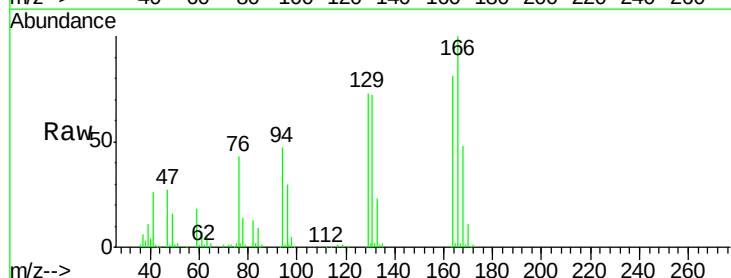
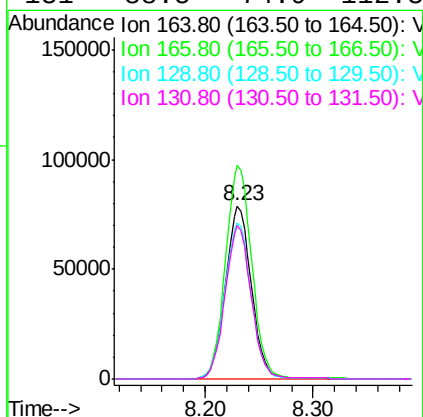
Manual Integrations
APPROVED

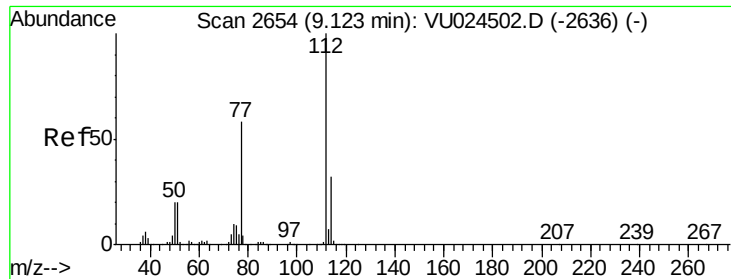
apatel
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#64
Tetrachloroethene
Concen: 53.32 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.5	101.7	152.5
129	90.5	76.9	115.3
131	88.5	74.9	112.3





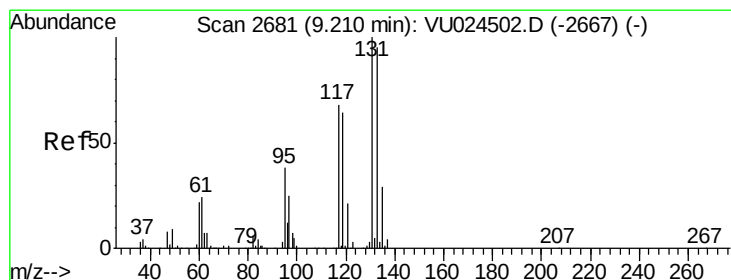
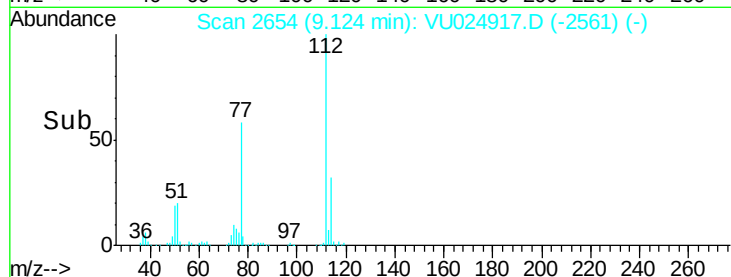
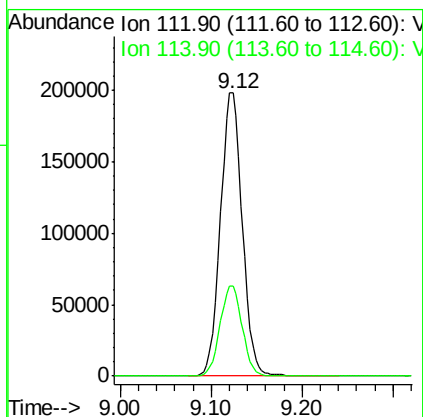
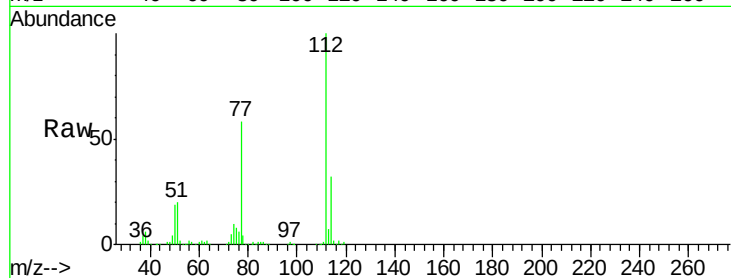
#65
Chlorobenzene
Concen: 49.46 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.6	38.4

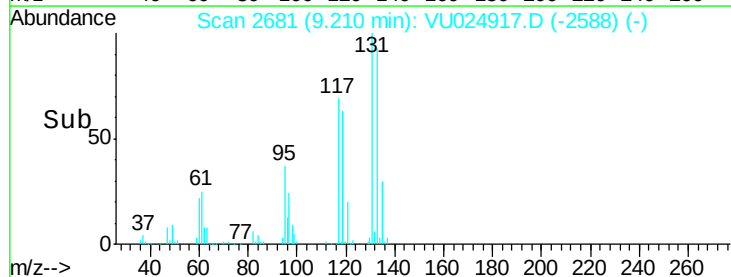
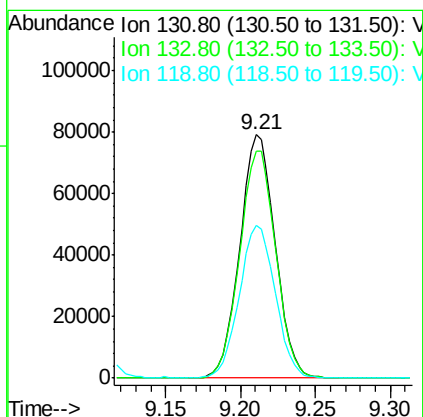
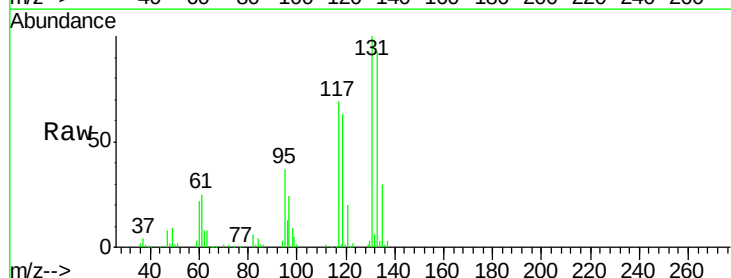
Manual Integrations
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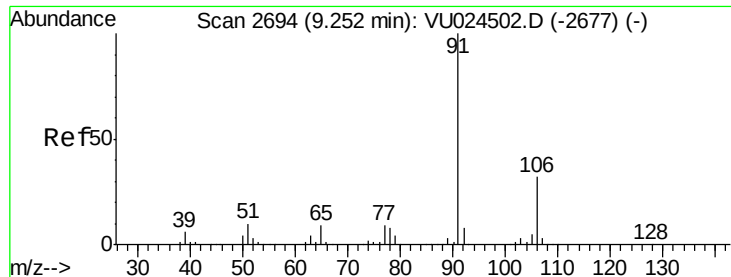
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.21 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	46.9	140.8
119	63.9	33.5	100.4





#67

Ethyl Benzene

Concen: 48.97 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 573505

Ion Ratio Lower Upper

91 100

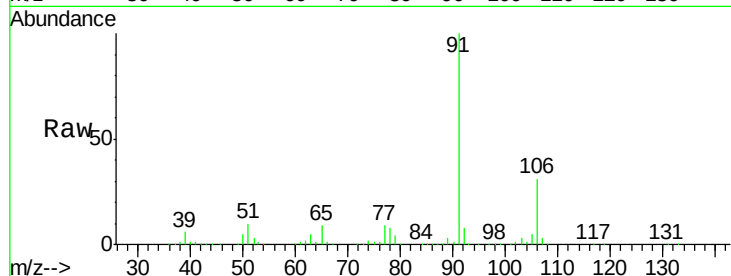
106 31.5 24.2 36.4

Manual Integrations

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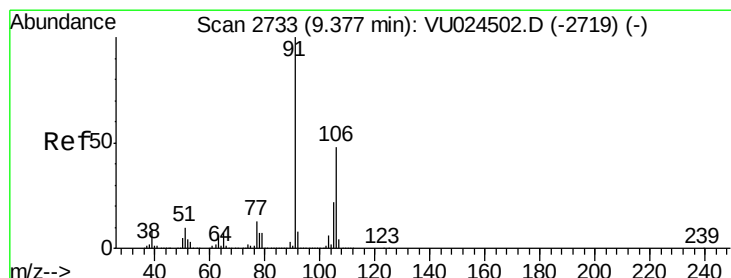
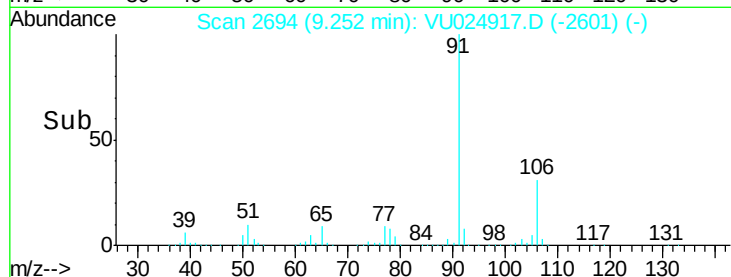
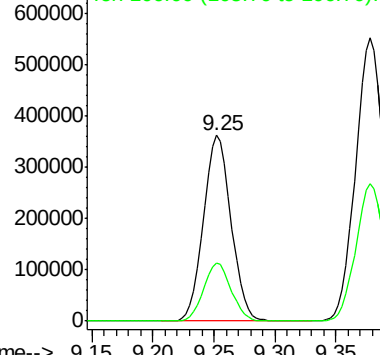
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 98.07 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024917.D

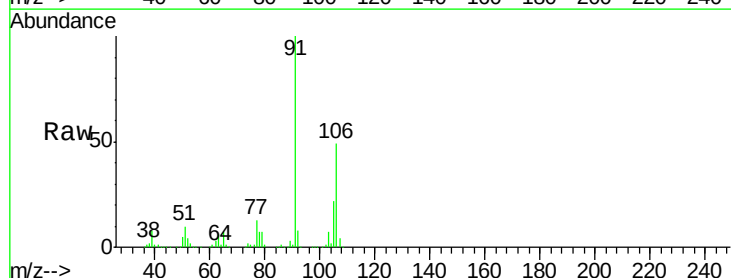
Acq: 26 Jun 2018 08:39

Tgt Ion: 106 Resp: 441033

Ion Ratio Lower Upper

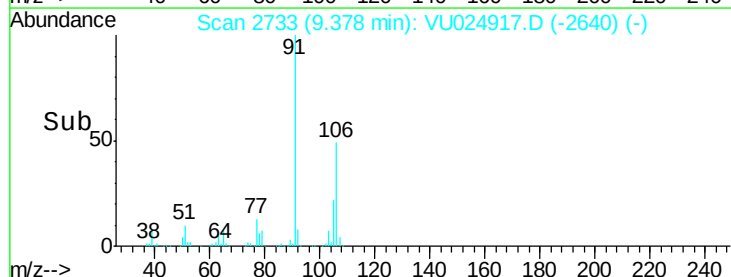
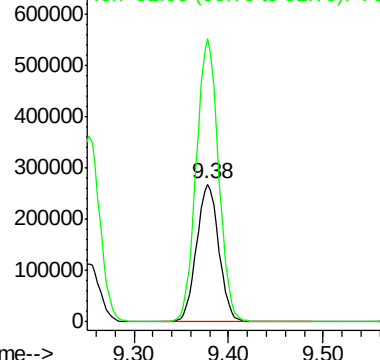
106 100

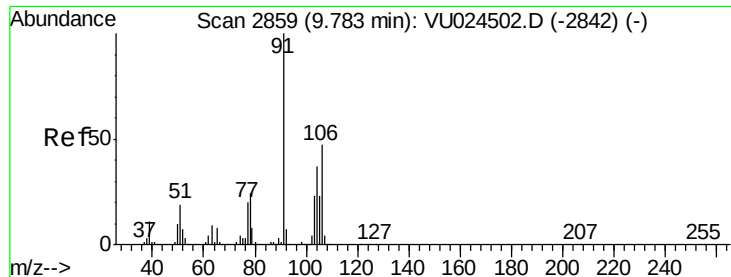
91 204.7 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





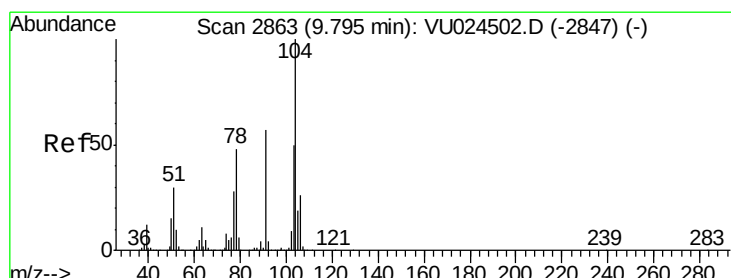
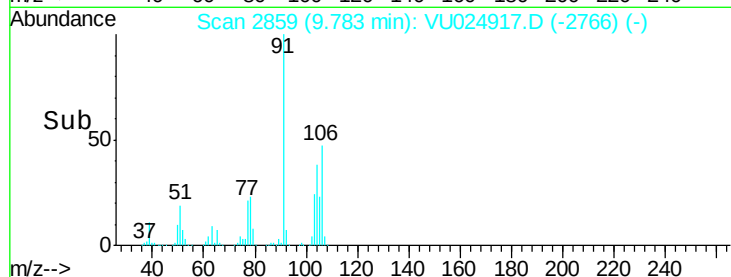
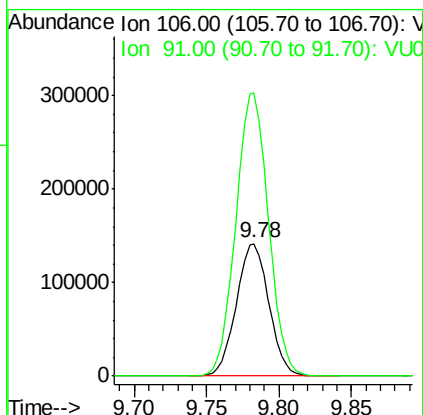
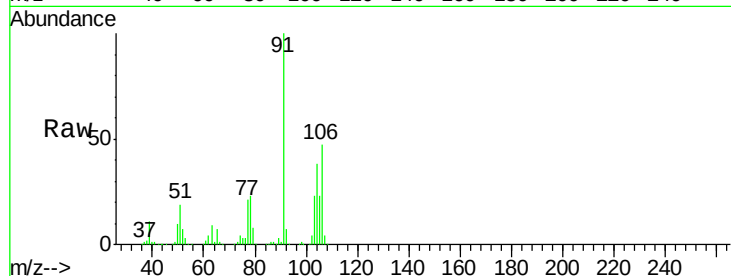
#69
o-Xylene
Concen: 49.58 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.1	110.7	331.9

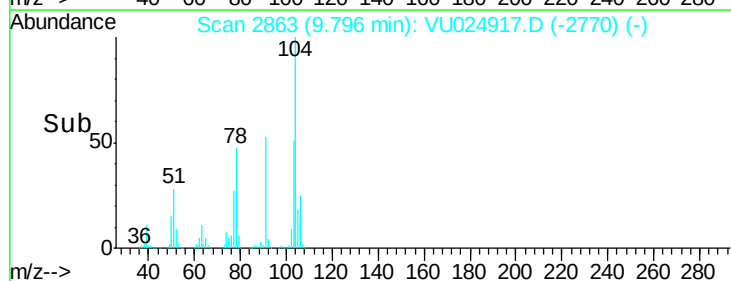
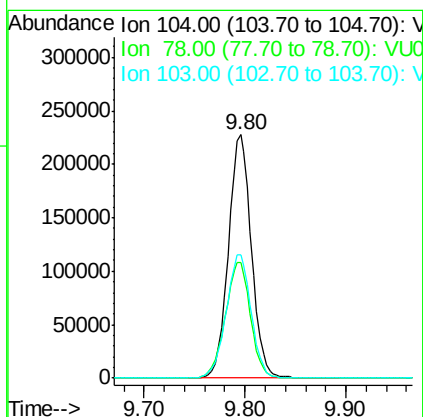
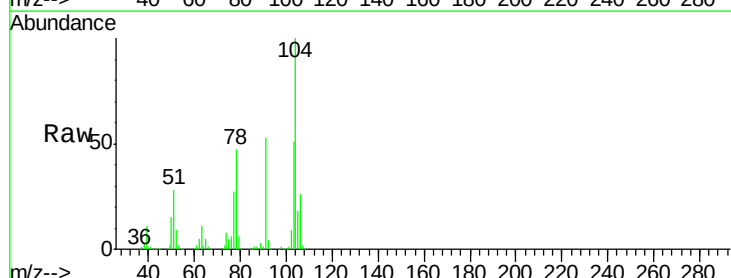
Manual Integrations
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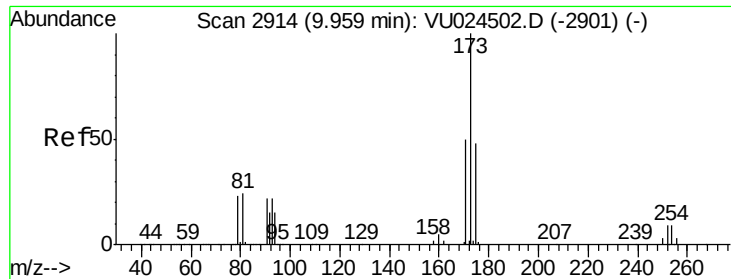
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#70
Styrene
Concen: 49.52 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.2	40.6	60.8
103	54.9	44.7	67.1





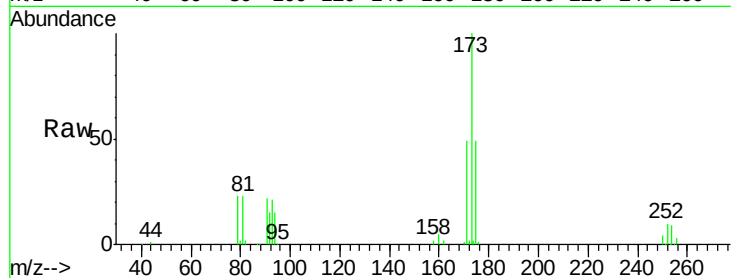
#71
Bromoform
Concen: 47.48 ug/l
RT: 9.96 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

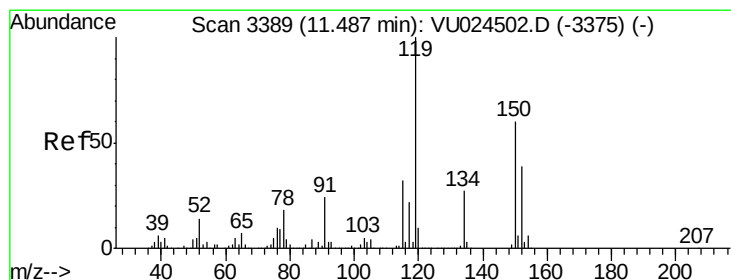
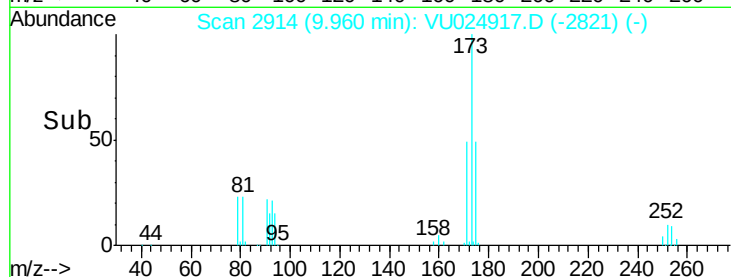
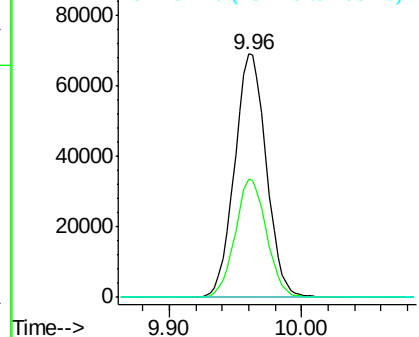
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.6	74.0
254	0.1	0.0	0.0#

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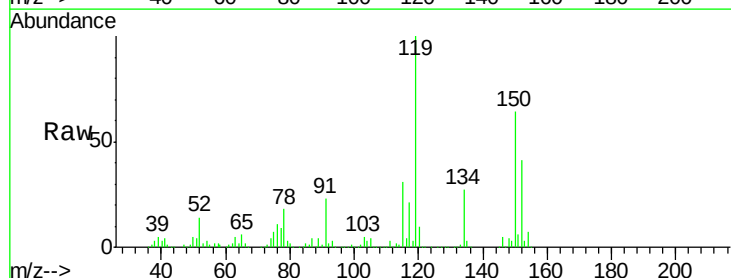


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

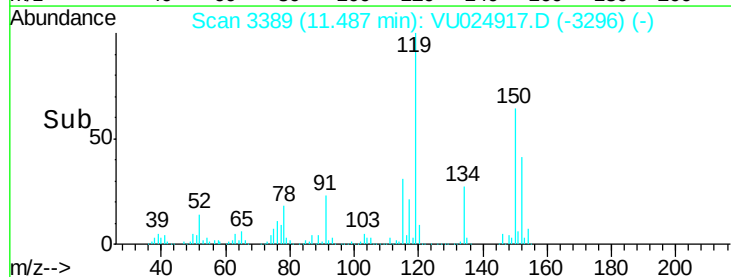
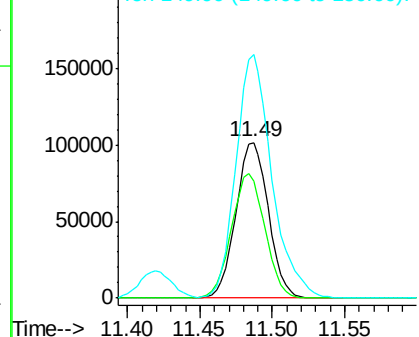


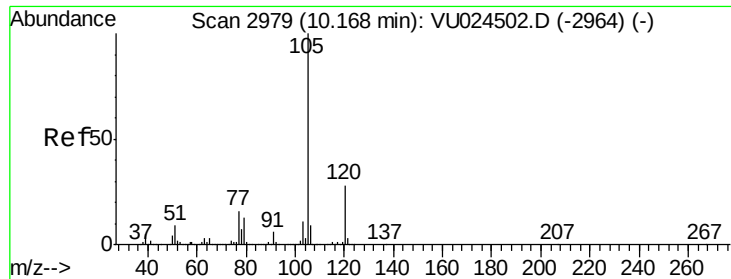
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.7	43.0	129.0
150	174.0	0.0	354.0



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: 49.35 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 596914

Ion Ratio Lower Upper

105 100

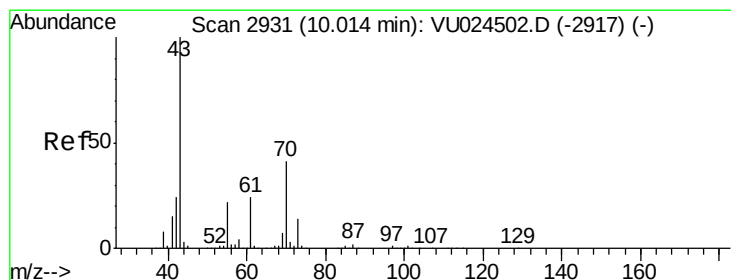
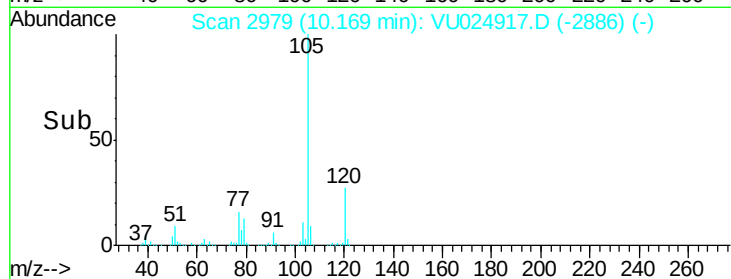
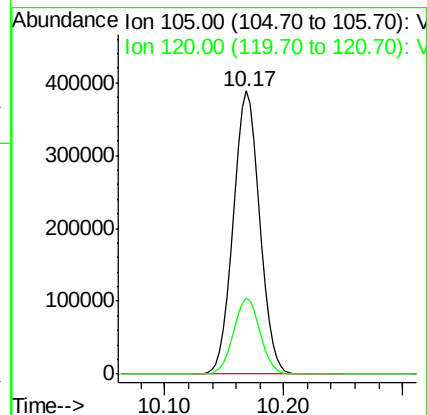
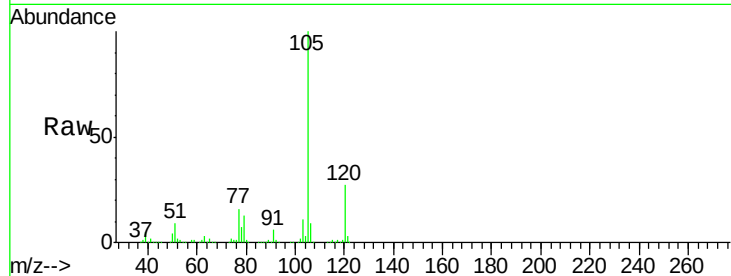
120 27.0 13.2 39.6

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#74

N-ethyl acetate

Concen: 45.30 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Tgt Ion: 43 Resp: 260628

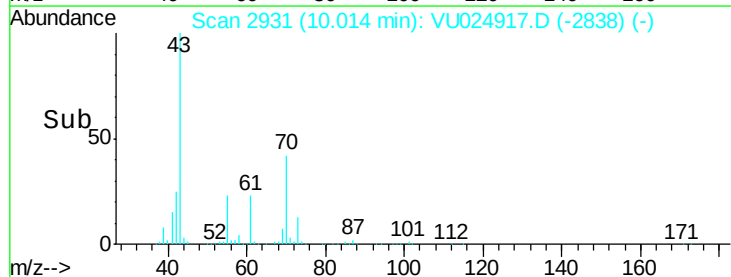
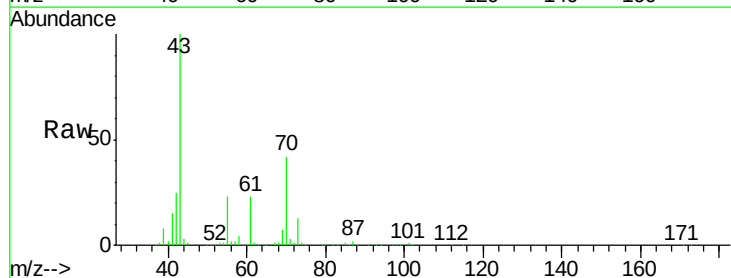
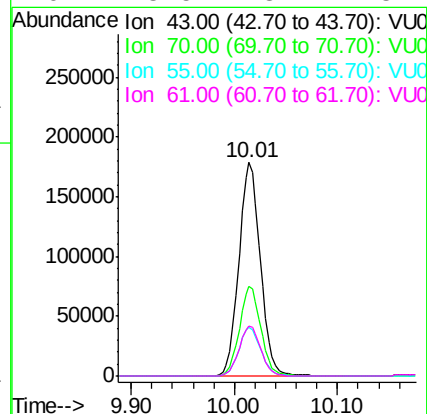
Ion Ratio Lower Upper

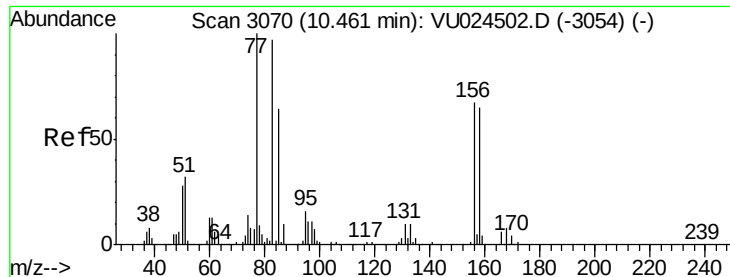
43 100

70 41.7 32.2 48.4

55 23.2 20.5 30.7

61 23.5 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 50.33 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 203997

Ion Ratio Lower Upper

83 100

131 10.5 4.7 14.1

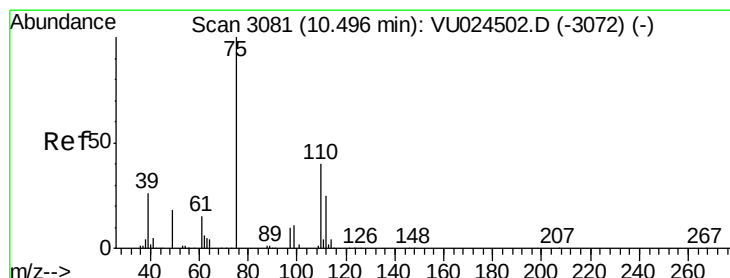
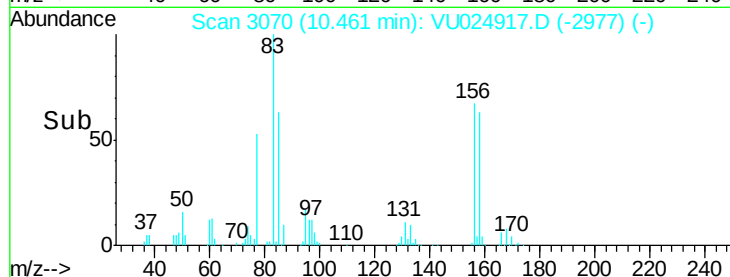
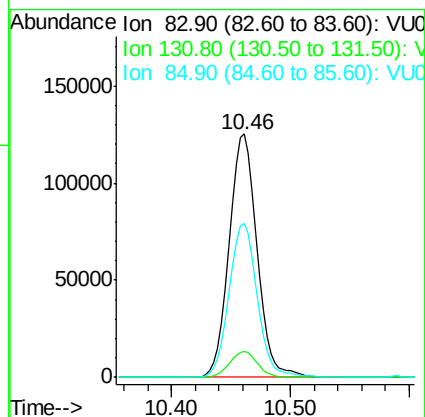
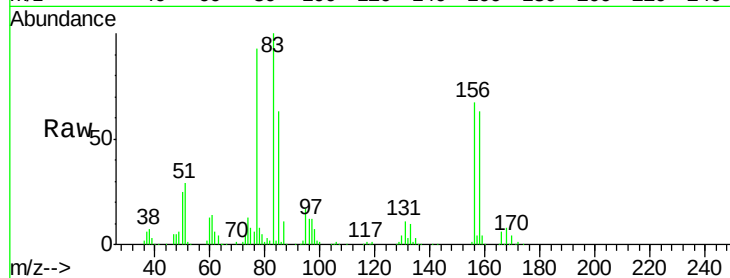
85 64.0 32.5 97.5

Manual Integrations

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#76

1,2,3-Trichloropropane

Concen: 53.02 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024917.D

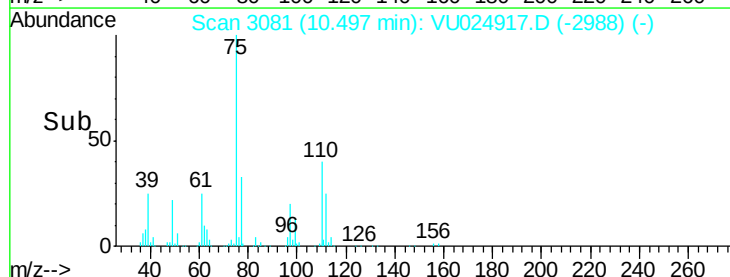
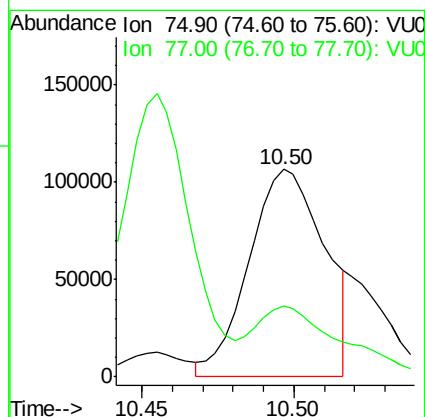
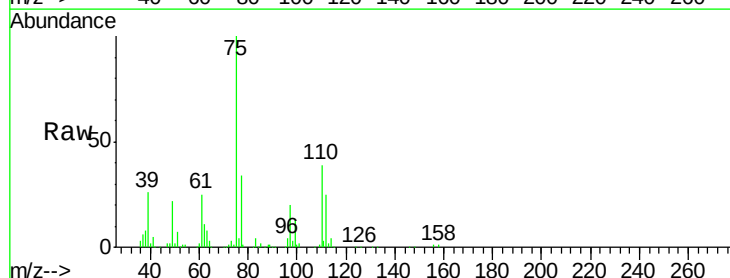
Acq: 26 Jun 2018 08:39

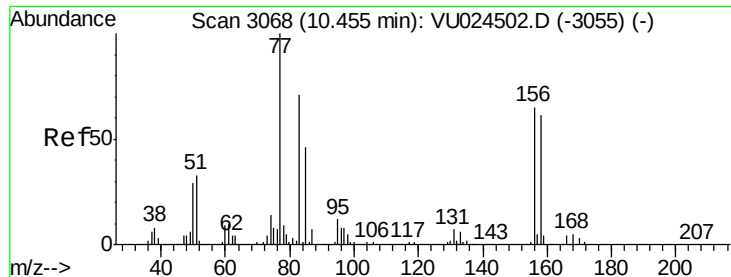
Tgt Ion: 75 Resp: 183894

Ion Ratio Lower Upper

75 100

77 40.2 20.9 62.7





#77

Bromobenzene

Concen: 50.58 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

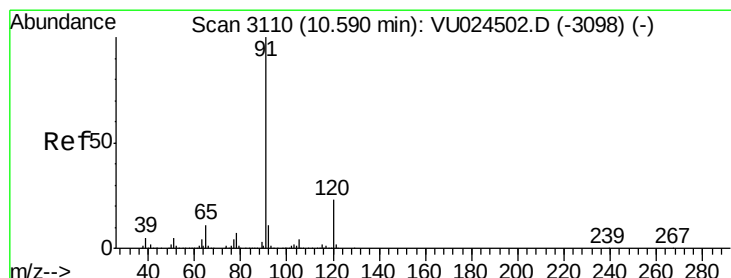
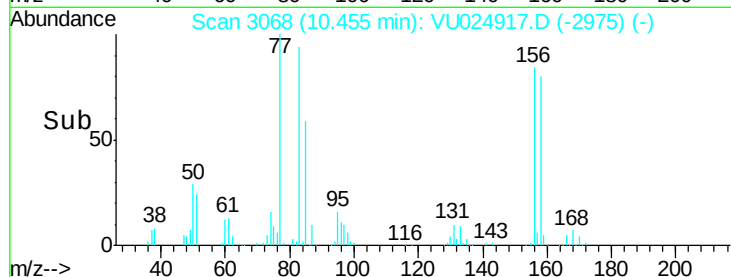
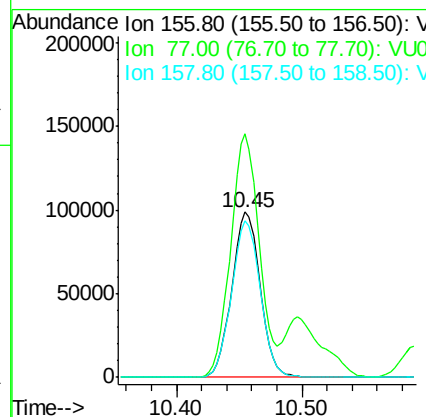
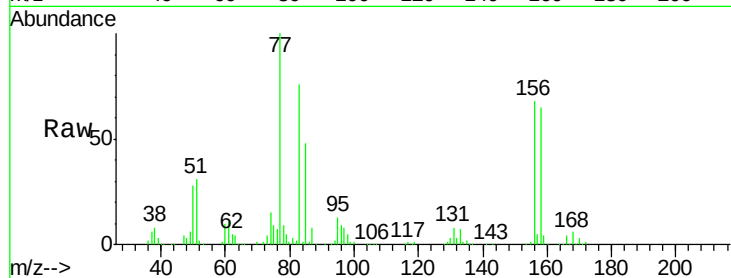
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	154872
Ion Ratio	Lower	Upper	
156	100		
77	148.8	80.5	241.3
158	96.2	48.2	144.6

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#78

n-propylbenzene

Concen: 47.02 ug/l

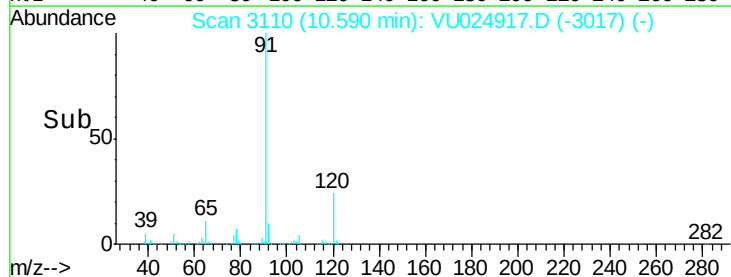
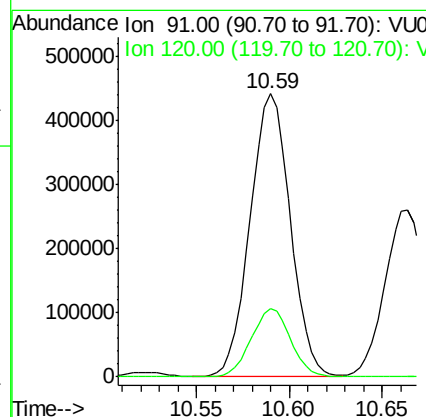
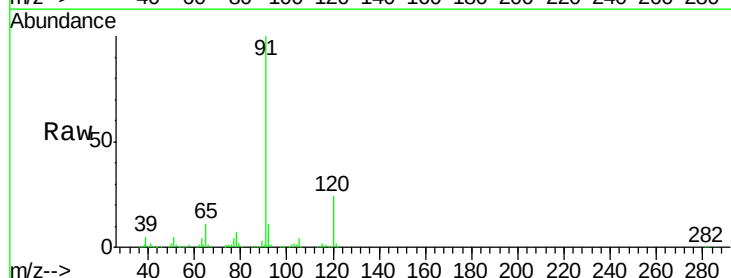
RT: 10.59 min Scan# 3110

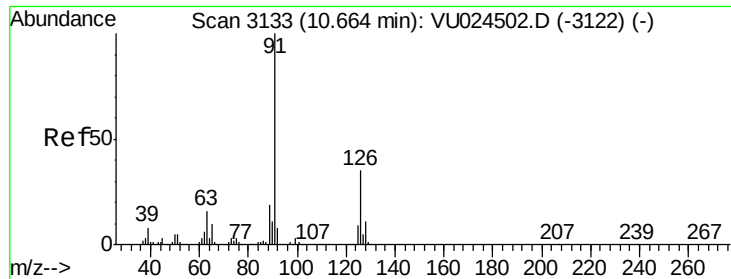
Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Tgt Ion:	91	Resp:	669849
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.2	33.5





#79

2-Chlorotoluene

Concen: 48.47 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 407269

Ion Ratio Lower Upper

91 100

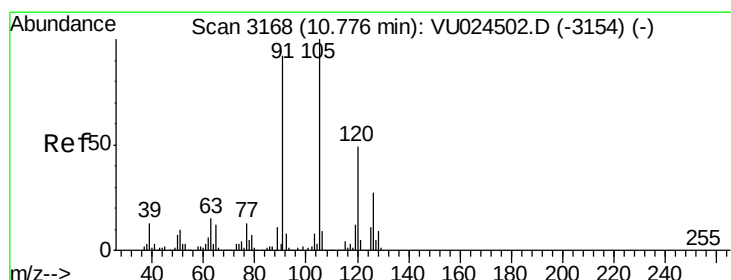
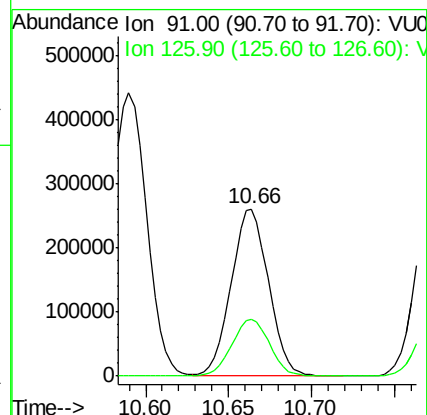
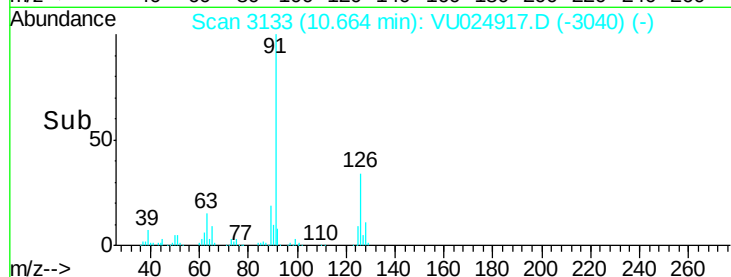
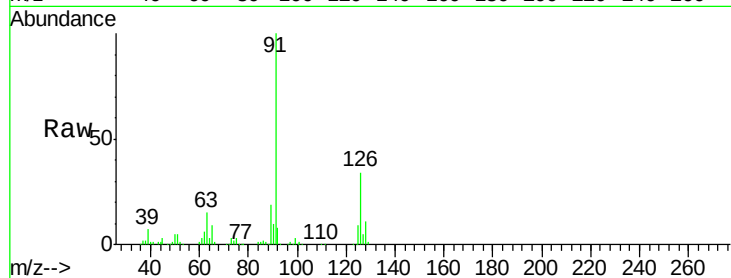
126 34.5 16.9 50.7

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#80

1,3,5-Trimethylbenzene

Concen: 48.79 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU024917.D

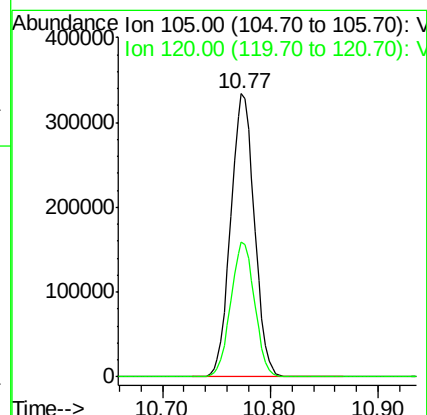
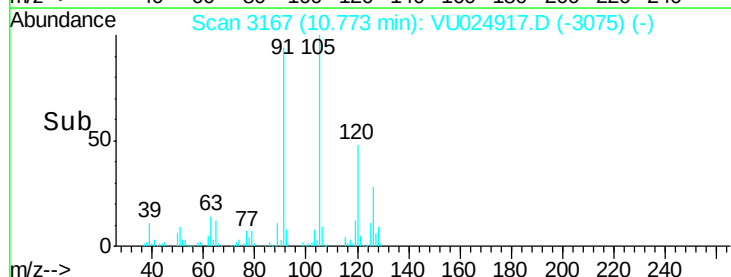
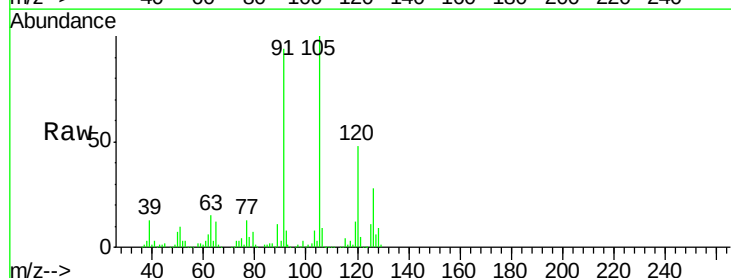
Acq: 26 Jun 2018 08:39

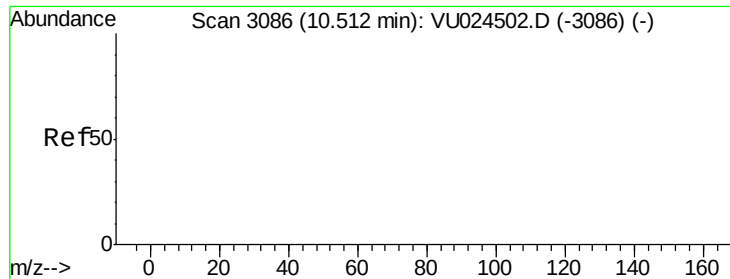
Tgt Ion: 105 Resp: 511486

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.2





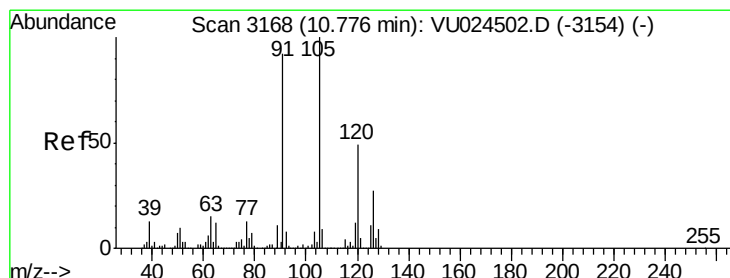
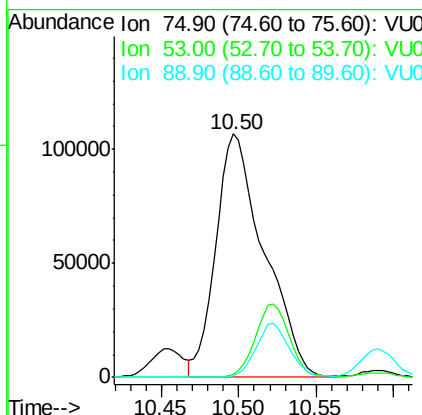
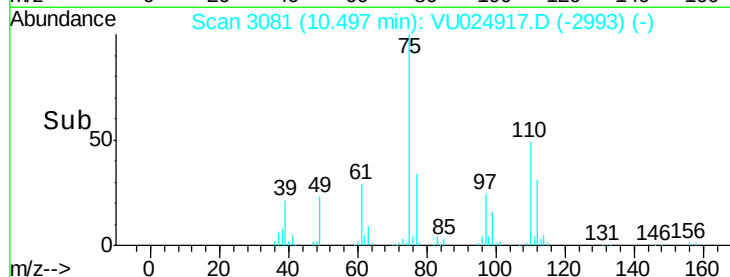
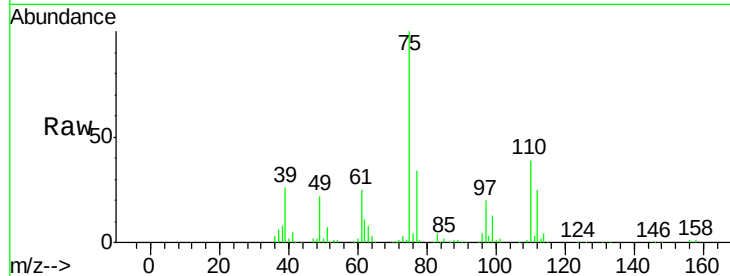
#81
trans-1,4-Dichloro-2-butene
Concen: 154.72 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

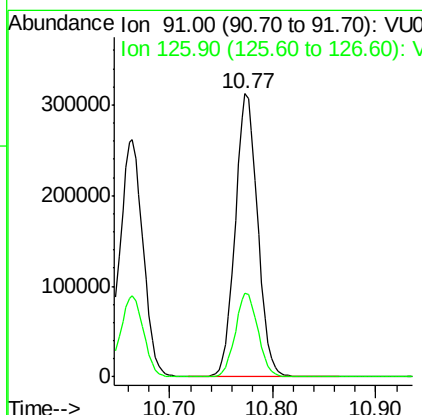
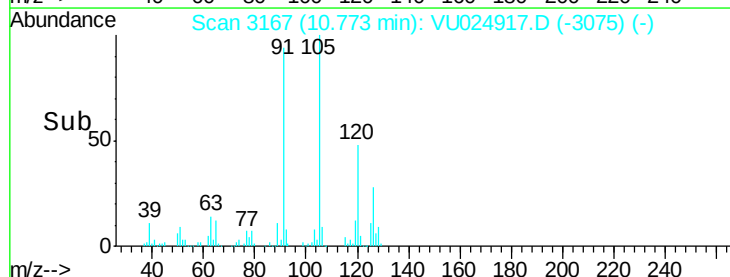
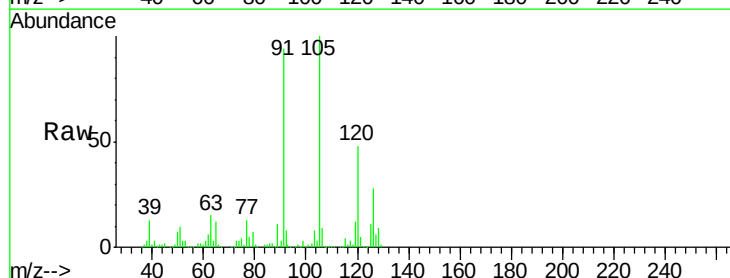
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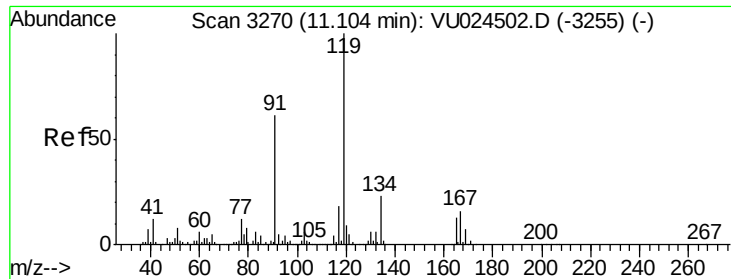
apatel
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#82
4-Chlorotoluene
Concen: 48.50 ug/l
RT: 10.77 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.8	14.9	44.9





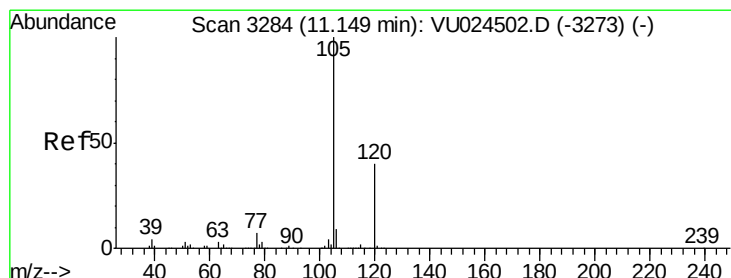
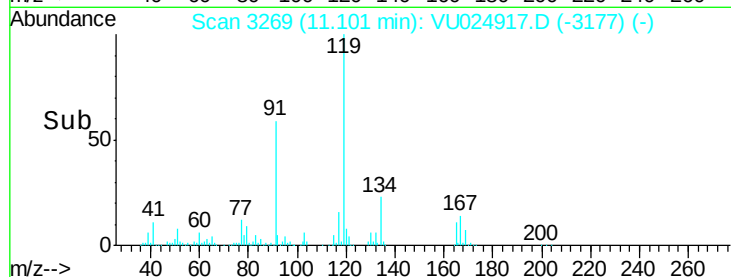
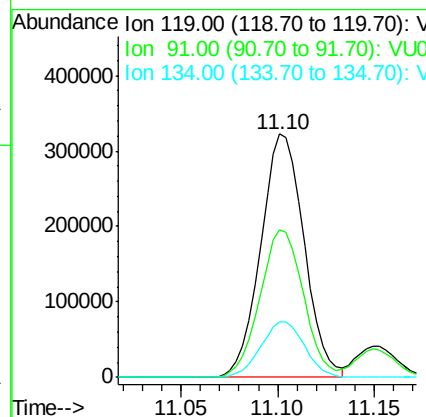
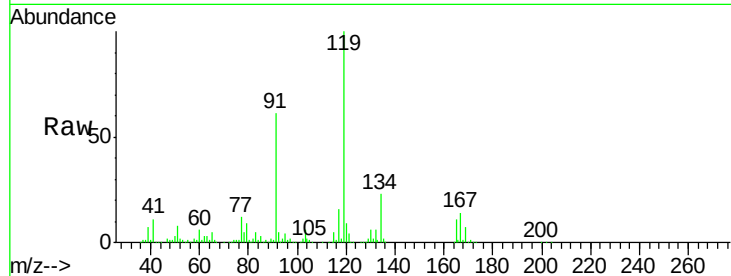
#83
 tert-Butylbenzene
 Concen: 50.09 ug/l
 RT: 11.10 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.6	29.7	89.1
134	23.0	11.6	34.7

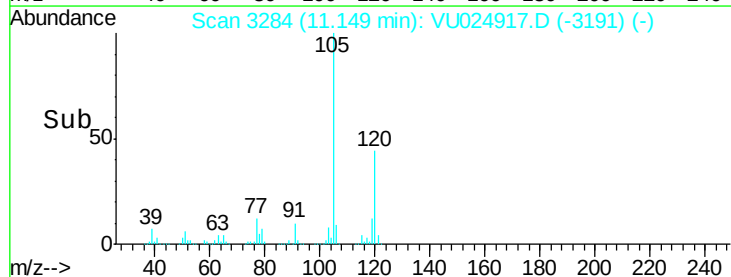
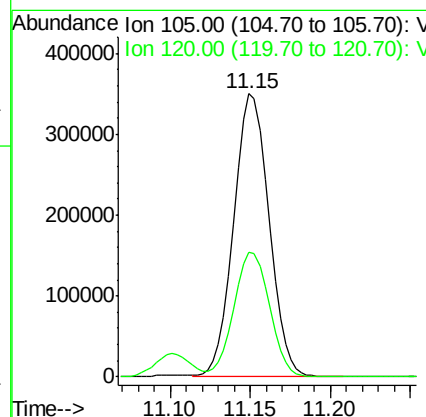
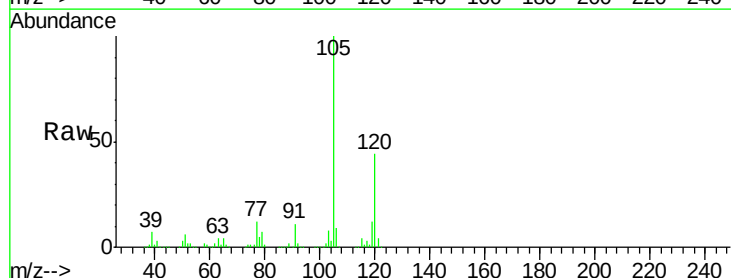
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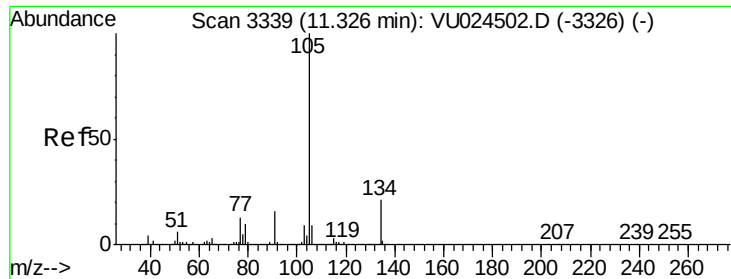
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.15 ug/l
 RT: 11.15 min Scan# 3284
 Delta R.T. 0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.6	67.8





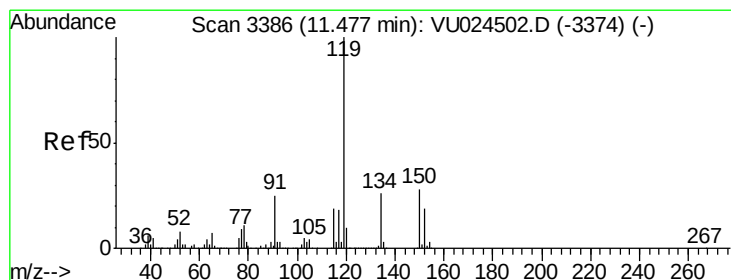
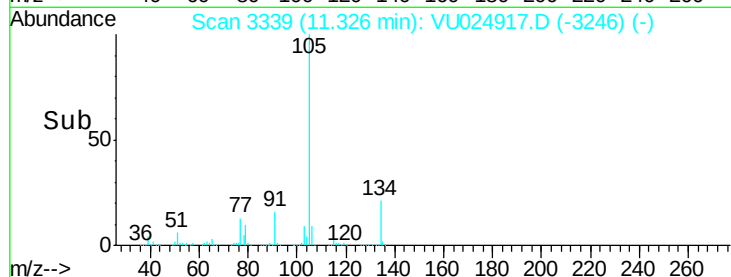
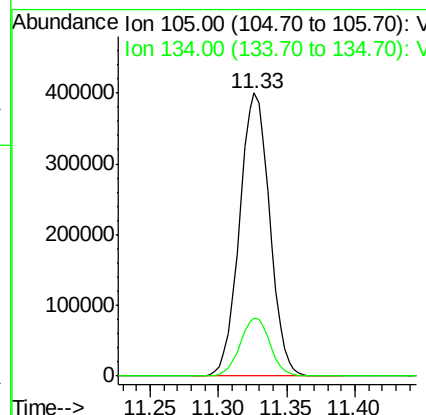
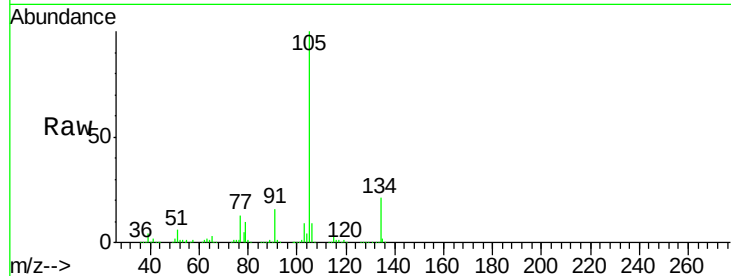
#85
 sec-Butylbenzene
 Concen: 48.59 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.7	29.1

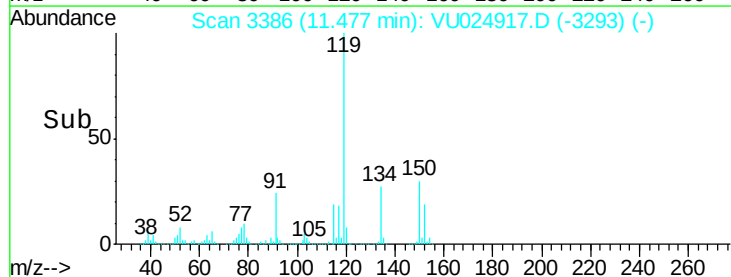
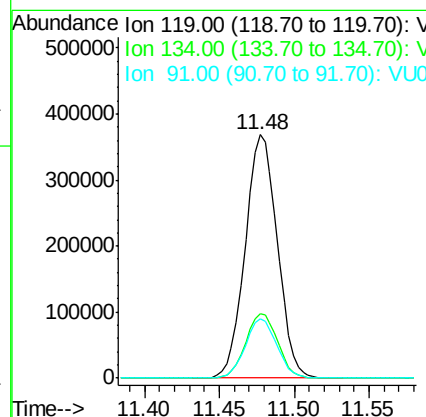
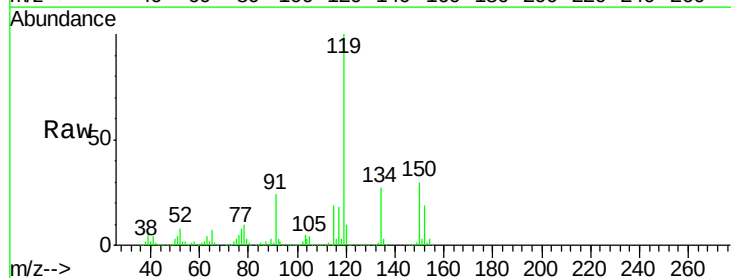
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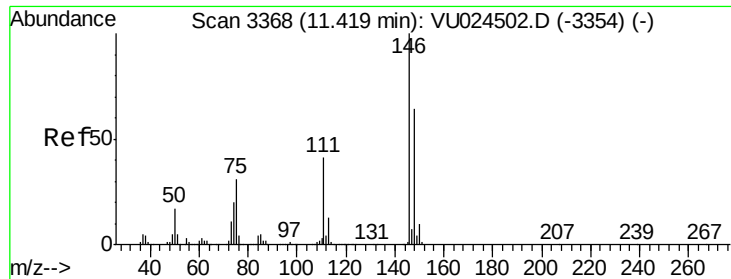
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#86
 p-Isopropyltoluene
 Concen: 48.51 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.9	38.6
91	24.1	12.0	36.1





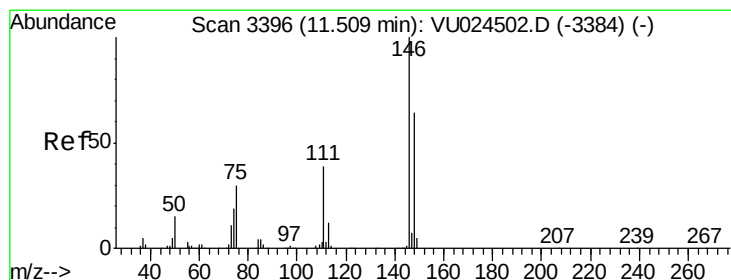
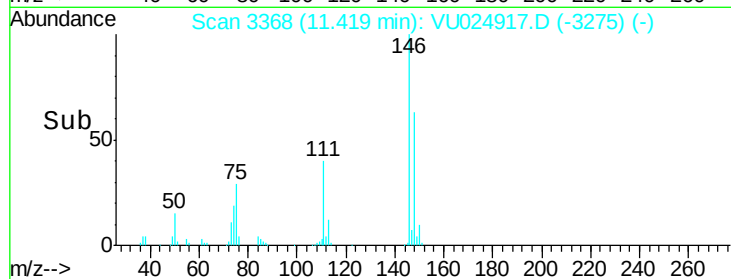
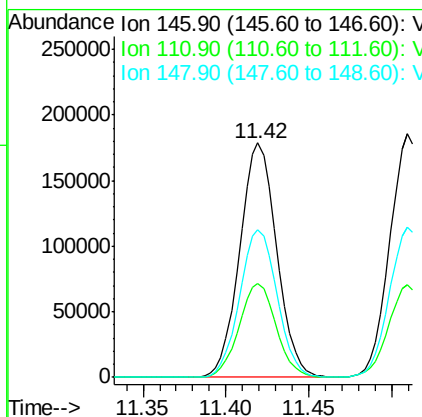
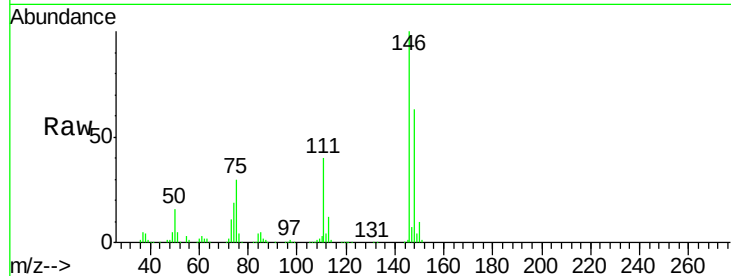
#87
 1,3-Dichlorobenzene
 Concen: 48.89 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	60.0
148	63.9	32.1	96.5

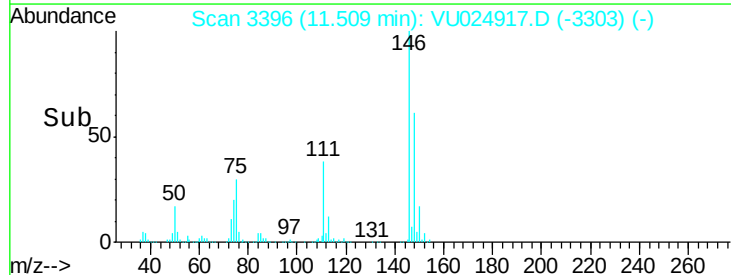
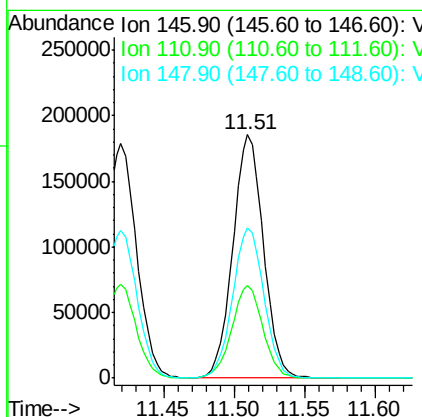
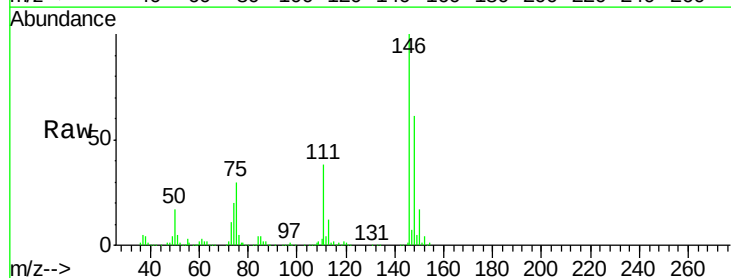
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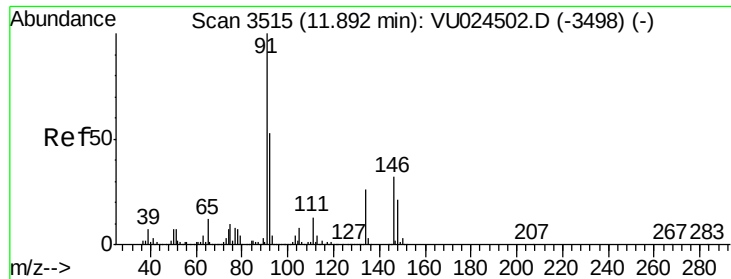
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#88
 1,4-Dichlorobenzene
 Concen: 49.49 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024917.D
 Acq: 26 Jun 2018 08:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	63.2	32.4	97.0





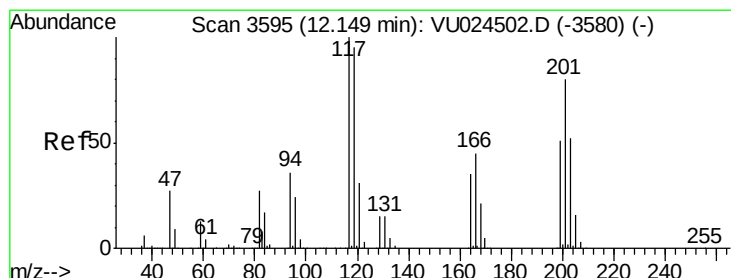
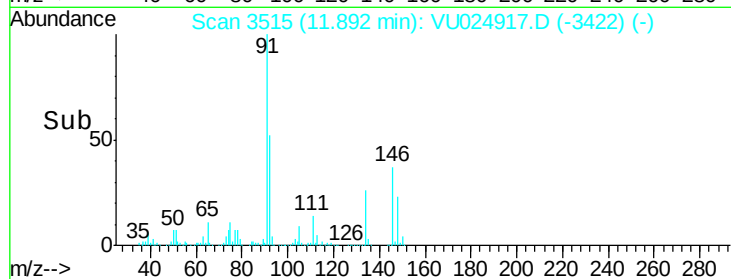
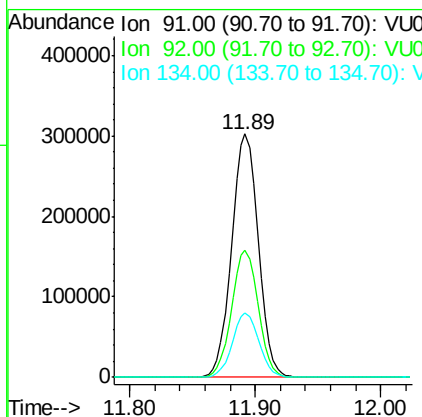
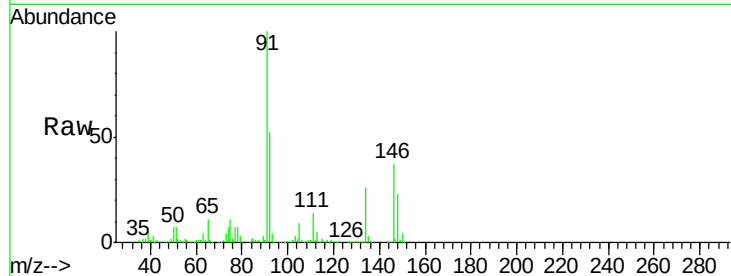
#89
n-Butylbenzene
Concen: 44.46 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.6	76.8
134	26.4	12.3	36.8

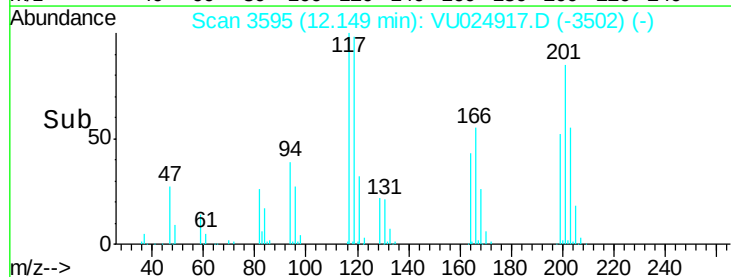
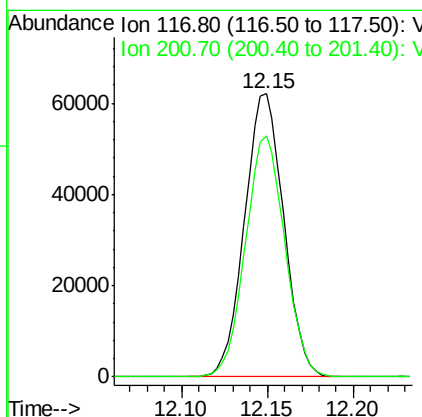
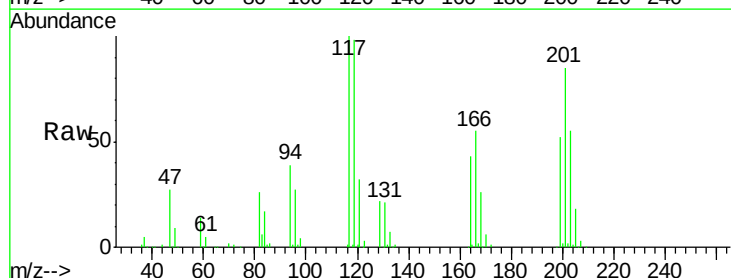
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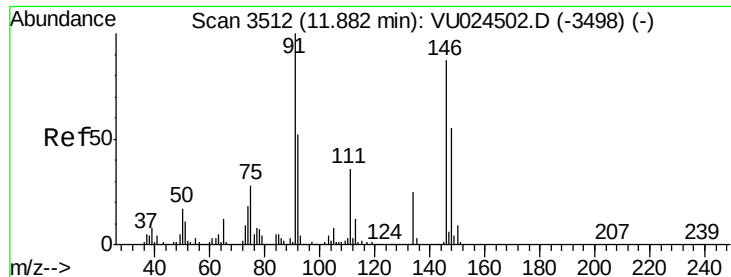
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#90
Hexachloroethane
Concen: 44.57 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU024917.D
Acq: 26 Jun 2018 08:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	41.1	123.3





#91

1,2-Dichlorobenzene

Concen: 51.43 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

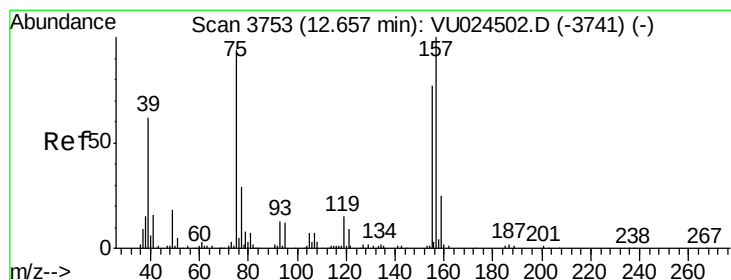
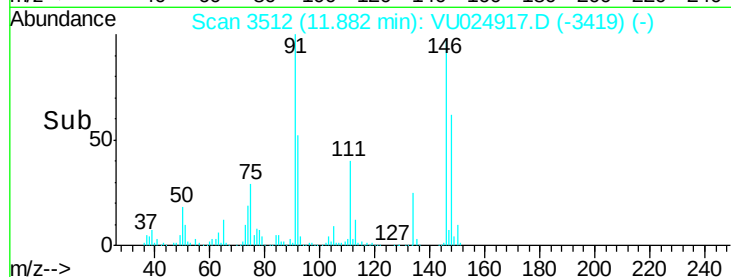
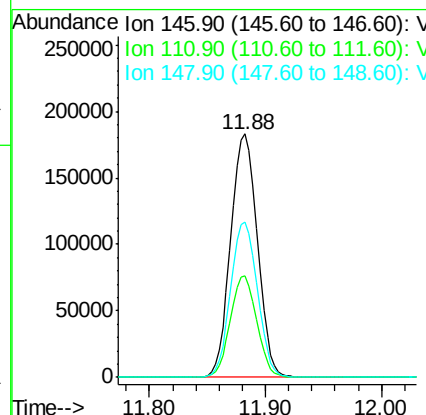
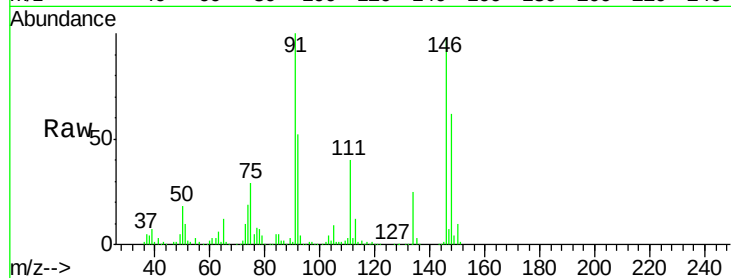
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	291398
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.5	61.6
148	63.7	31.9	95.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.84 ug/l

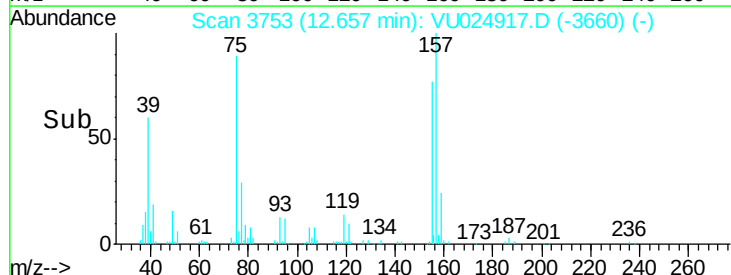
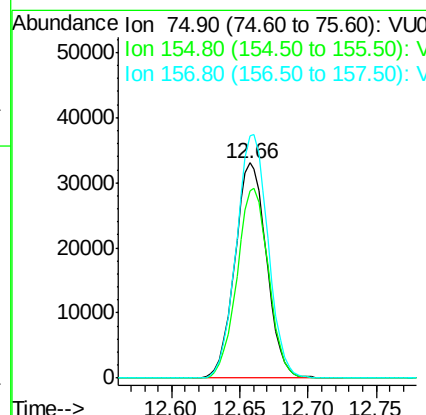
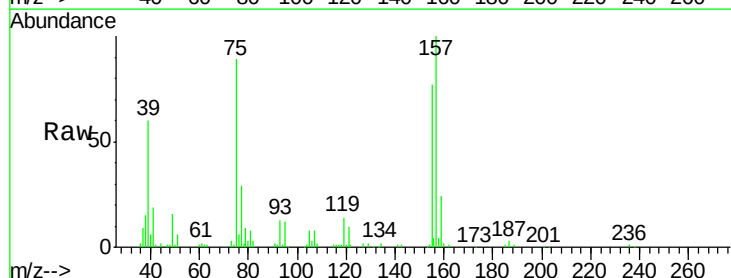
RT: 12.66 min Scan# 3753

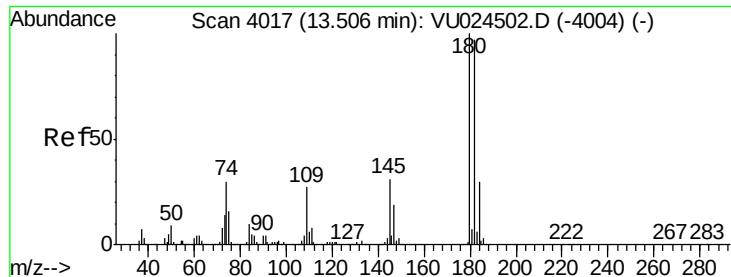
Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Tgt Ion:	75	Resp:	53498
Ion Ratio	Lower	Upper	
75	100		
155	87.4	40.4	121.2
157	112.8	52.3	156.8





#93

1,2,4-Trichlorobenzene

Concen: 54.55 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

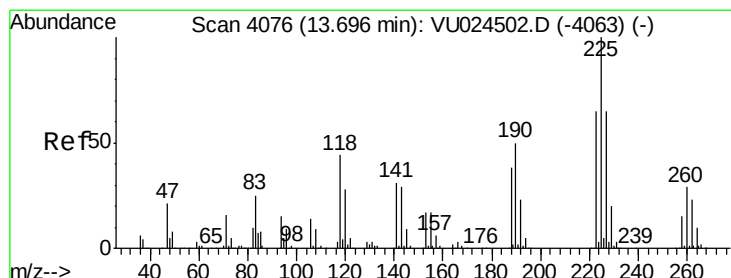
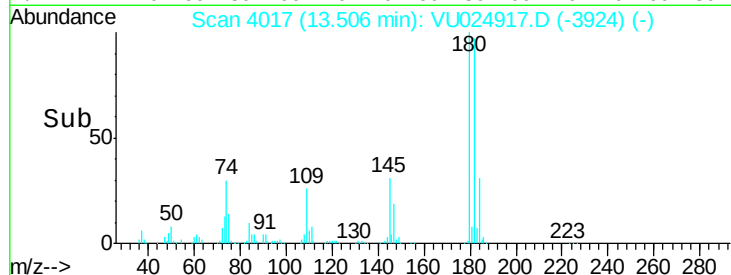
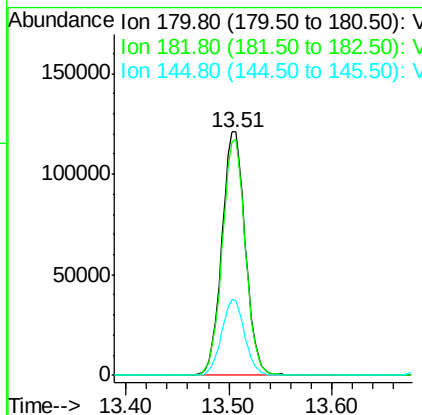
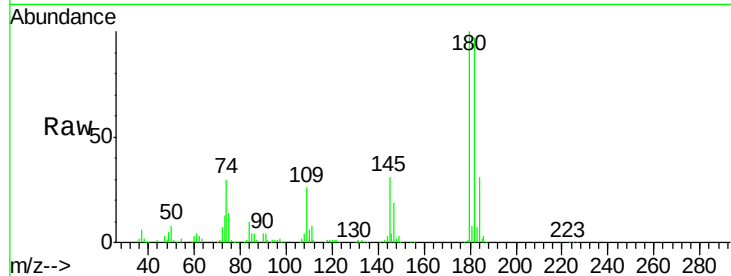
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	190883
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.0	144.2
145	30.6	14.7	44.1

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 49.09 ug/l

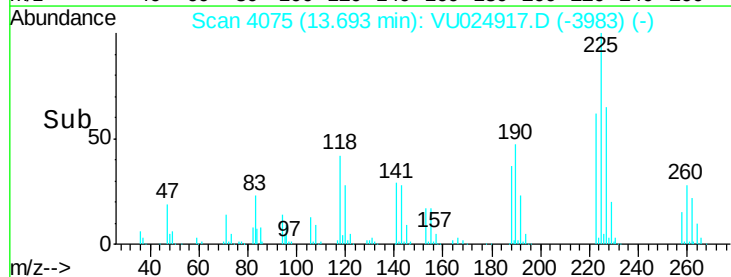
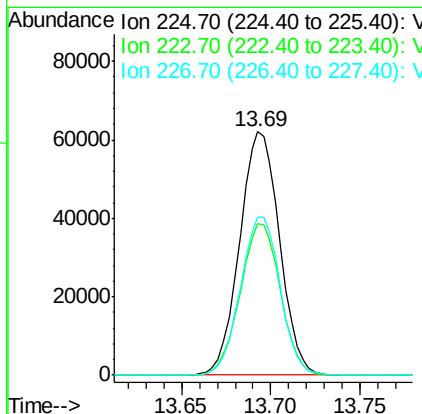
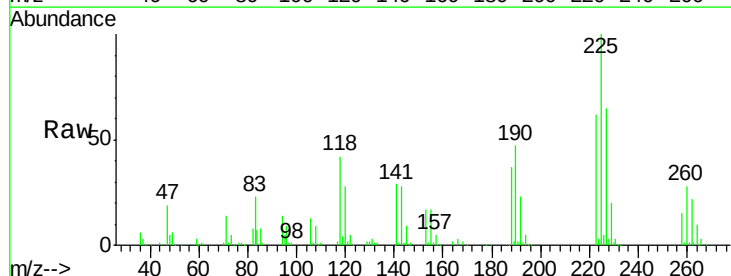
RT: 13.69 min Scan# 4075

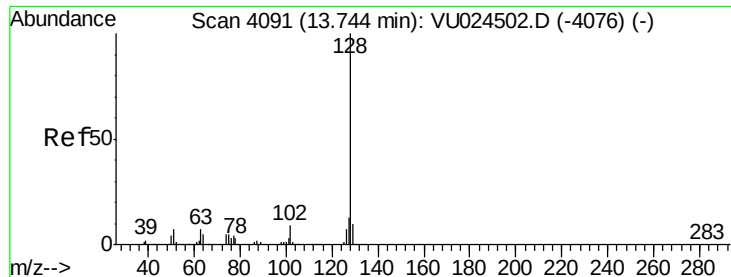
Delta R.T. -0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Tgt Ion:	225	Resp:	96680
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.3	93.8
227	64.5	31.8	95.4





#95

Naphthalene

Concen: 55.32 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Instrument :

MSVOA_U

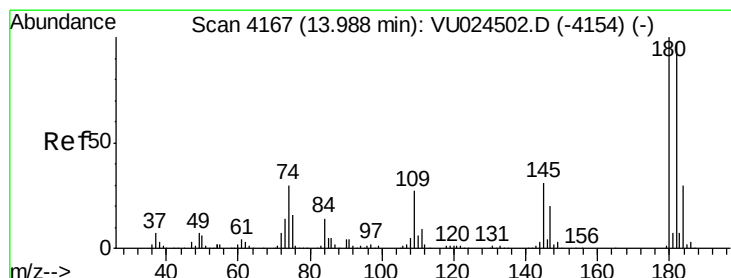
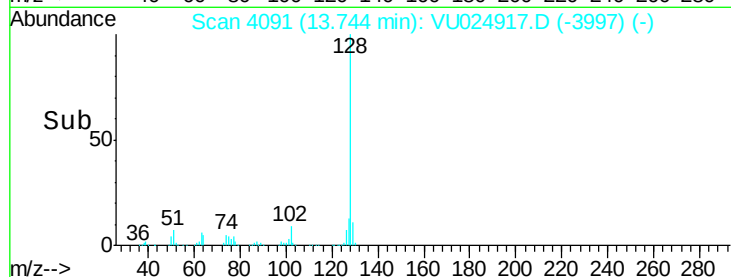
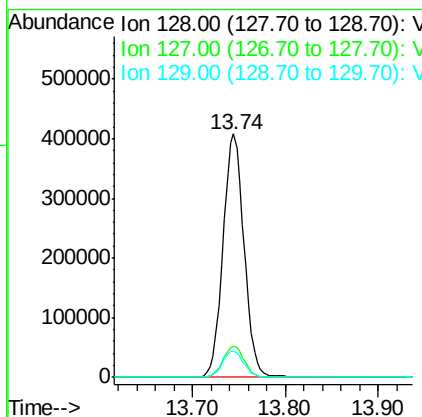
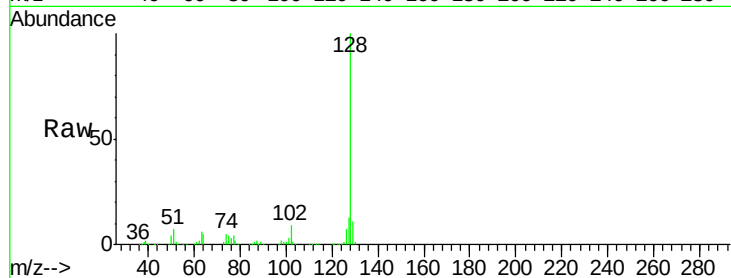
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	641651
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	10.8	8.6	12.8

Manual Integrations
APPROVED

apatel
6/27/2018 11:20:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 58.63 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU024917.D

Acq: 26 Jun 2018 08:39

Tgt Ion:	180	Resp:	204420
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.7
145	31.7	15.4	46.1

