

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062818\
 Data File : VU025036.D
 Acq On : 28 Jun 2018 21:57
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 4:23:46 PM

Quant Time: Jun 29 07:42:52 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	184365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	284251	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	267789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	165349	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	145440	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	4.89	113	117821	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	7.57	98	388390	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	
62) 4-Bromofluorobenzene	10.31	95	165644	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	97752	42.36	ug/l	100
3) Chloromethane	1.33	50	106828	45.31	ug/l	100
4) Vinyl Chloride	1.40	62	115248	47.40	ug/l	97
5) Bromomethane	1.61	94	71349	60.70	ug/l	96
6) Chloroethane	1.69	64	73730	54.36	ug/l	99
7) Trichlorofluoromethane	1.88	101	189106	50.96	ug/l	99
8) Diethyl Ether	2.10	74	69464	55.21	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	112434	48.84	ug/l	98
10) Methyl Iodide	2.41	142	129570	64.76	ug/l	97
11) Tert butyl alcohol	2.83	59	181545	248.01	ug/l	99
12) 1,1-Dichloroethene	2.28	96	103955	49.52	ug/l	96
13) Acrolein	2.19	56	40951	106.53	ug/l	98
14) Allyl chloride	2.59	41	182850	46.91	ug/l	100
15) Acrylonitrile	2.93	53	370912	260.43	ug/l	99
16) Acetone	2.32	43	350487	216.73	ug/l	98
17) Carbon Disulfide	2.48	76	295848	44.01	ug/l	99
18) Methyl Acetate	2.62	43	219279	63.25	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	424783	53.83	ug/l	95
20) Methylene Chloride	2.70	84	127415	50.21	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	116353	50.32	ug/l	98
22) Diisopropyl ether	3.57	45	404221	52.31	ug/l	94
23) Vinyl Acetate	3.53	43	1697259	245.21	ug/l	98
24) 1,1-Dichloroethane	3.45	63	230906	51.95	ug/l	99
25) 2-Butanone	4.26	43	542801	249.88	ug/l	95
26) 2,2-Dichloropropane	4.23	77	188316	44.62	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	140181	52.74	ug/l	97
28) Bromochloromethane	4.55	49	87567	44.73	ug/l	84
29) Tetrahydrofuran	4.63	42	341230	253.67	ug/l	96
30) Chloroform	4.68	83	242833	53.97	ug/l	99
31) Cyclohexane	5.00	56	203877	51.72	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	224821	54.04	ug/l	96
36) 1,1-Dichloropropene	5.14	75	171134	51.24	ug/l	96
37) Ethyl Acetate	4.38	43	199446	54.78	ug/l	97
38) Carbon Tetrachloride	5.14	117	196366	53.46	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	211913	50.84	ug/l	95
40) Benzene	5.39	78	505549	53.12	ug/l	99
41) Methacrylonitrile	4.54	41	111965	57.04	ug/l	98
42) 1,2-Dichloroethane	5.41	62	208781	57.60	ug/l	100
43) Isopropyl Acetate	5.55	43	322299	51.22	ug/l	99
44) Trichloroethene	6.19	130	139604	51.54	ug/l	97
45) 1,2-Dichloropropane	6.44	63	135155	53.22	ug/l	99
46) Dibromomethane	6.56	93	96566	54.14	ug/l	94
47) Bromodichloromethane	6.76	83	186021	52.37	ug/l	99
48) Methyl methacrylate	6.62	41	166484	54.33	ug/l	98
49) 1,4-Dioxane	6.62	88	72308	1206.64	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	1041188	263.36	ug/l	98
52) Toluene	7.64	92	325334	53.13	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	202174	50.68	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	211409	49.74	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	133817	53.76	ug/l	99
56) Ethyl methacrylate	8.02	69	212061	50.90	ug/l	98
57) 1,3-Dichloropropane	8.25	76	227890	54.27	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	62767	39.33	ug/l	96
59) 2-Hexanone	8.36	43	839914	260.22	ug/l	99
60) Dibromochloromethane	8.48	129	156233	50.34	ug/l	99
61) 1,2-Dibromoethane	8.59	107	149148	53.84	ug/l	99
64) Tetrachloroethene	8.23	164	135088	53.07	ug/l	99
65) Chlorobenzene	9.12	112	374714	54.77	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	141875	54.59	ug/l	97
67) Ethyl Benzene	9.25	91	648764	54.10	ug/l	98
68) m/p-Xylenes	9.38	106	506220	109.92	ug/l	98
69) o-Xylene	9.78	106	254149	55.76	ug/l	96
70) Styrene	9.80	104	405771	54.18	ug/l	98
71) Bromoform	9.96	173	124255	50.30	ug/l #	99
73) Isopropylbenzene	10.17	105	680680	53.62	ug/l	98
74) N-amyl acetate	10.01	43	292230	48.40	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	228525	53.72	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	193551m	53.17	ug/l	
77) Bromobenzene	10.45	156	176768	55.00	ug/l	93
78) n-propylbenzene	10.59	91	767278	51.31	ug/l	97
79) 2-Chlorotoluene	10.66	91	467203	52.98	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	589357	53.56	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	73360m	46.64	ug/l	
82) 4-Chlorotoluene	10.78	91	542261	52.83	ug/l	99
83) tert-Butylbenzene	11.10	119	583229	55.10	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	601225	53.62	ug/l	100
85) sec-Butylbenzene	11.33	105	698812	52.75	ug/l	98
86) p-Isopropyltoluene	11.48	119	621101	52.34	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	320471	53.97	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	319402	53.45	ug/l	99
89) n-Butylbenzene	11.89	91	505498	47.98	ug/l	98
90) Hexachloroethane	12.15	117	109756	47.42	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	331878	55.80	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	61495	52.39	ug/l	94

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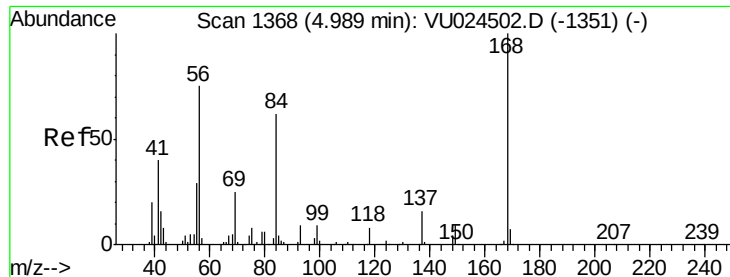
Manual Integrations
APPROVED

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6/29/2018 4:23:46 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	210695	57.37	ug/l	99
94) Hexachlorobutadiene	13.70	225	110654	53.53	ug/l	99
95) Naphthalene	13.74	128	692704	56.88	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	217730	59.50	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 184365

Ion Ratio Lower Upper

168 100

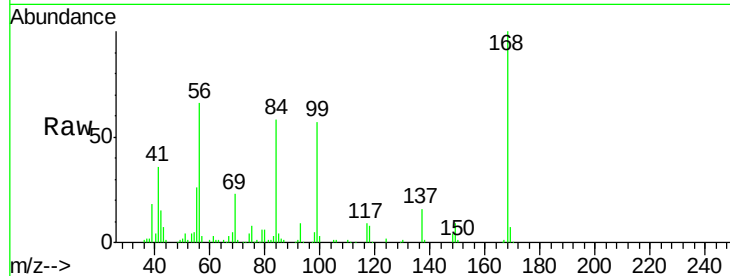
99 56.7 43.2 64.8

Manual Integrations

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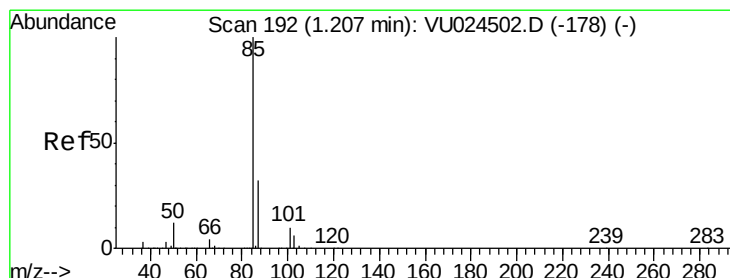
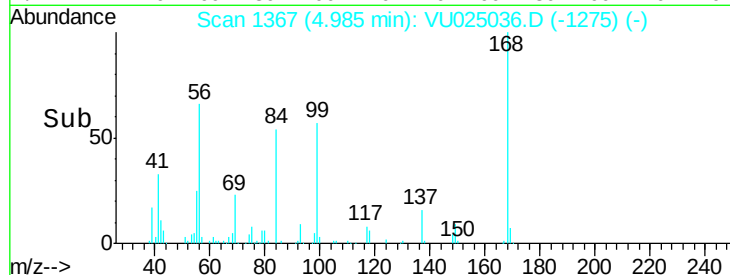
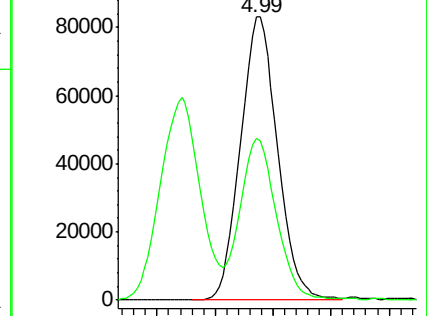
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 42.36 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025036.D

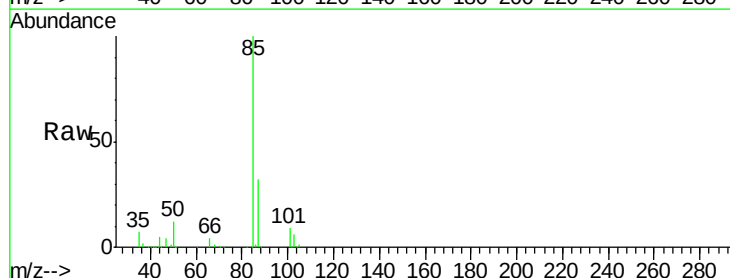
Acq: 28 Jun 2018 21:57

Tgt Ion: 85 Resp: 97752

Ion Ratio Lower Upper

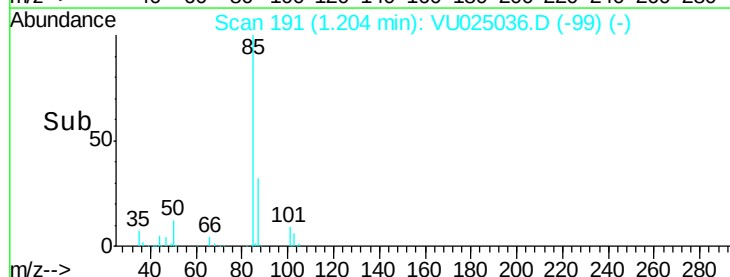
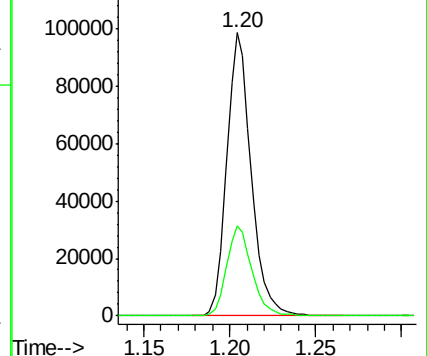
85 100

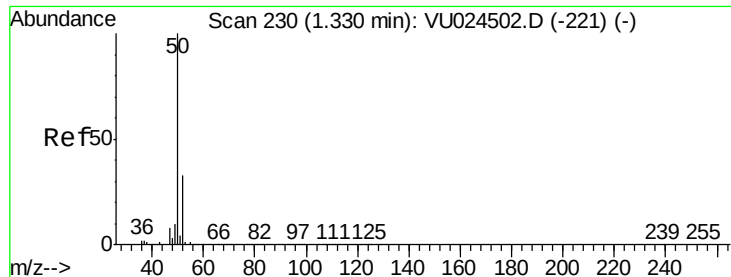
87 31.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 45.31 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 106828

Ion Ratio Lower Upper

50 100

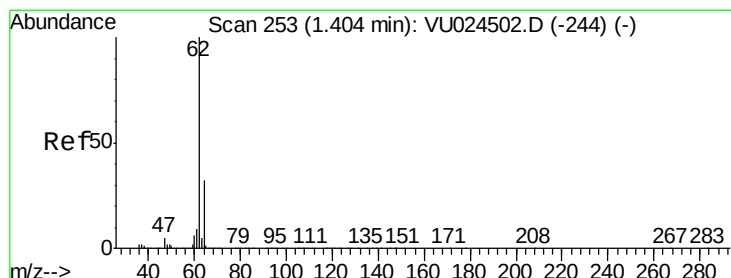
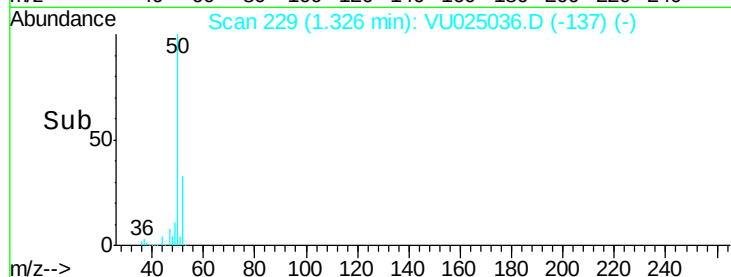
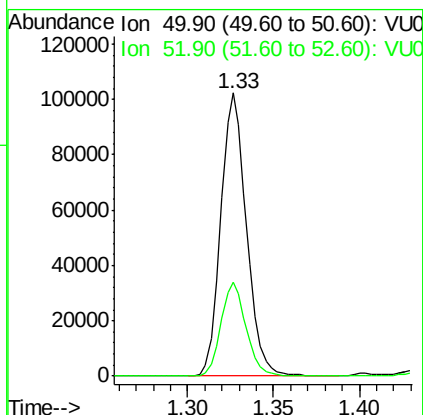
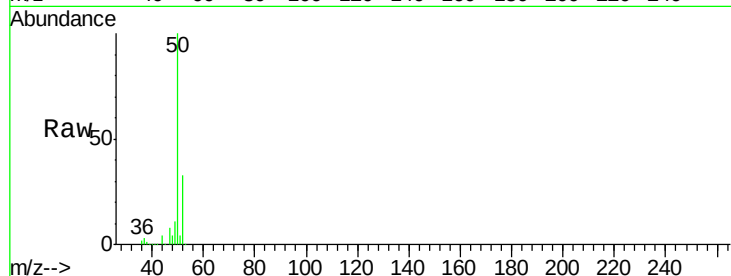
52 33.1 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.40 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025036.D

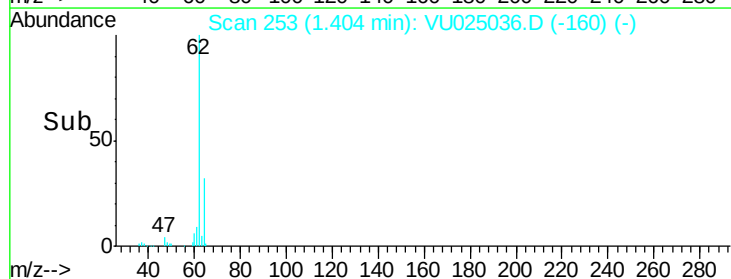
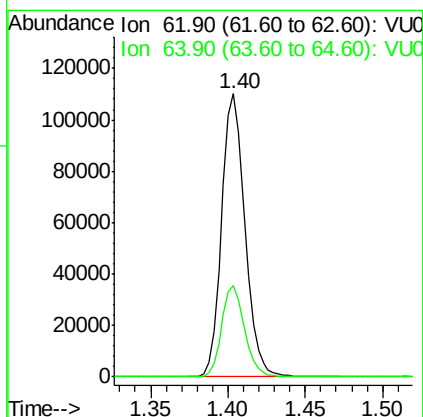
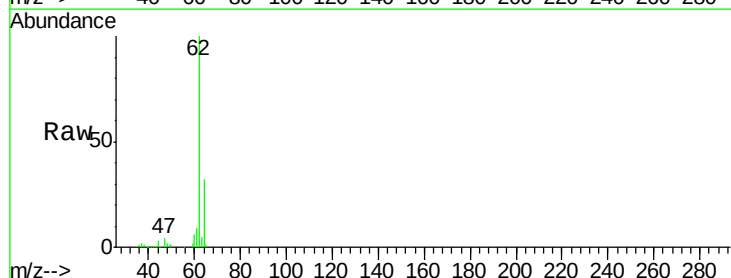
Acq: 28 Jun 2018 21:57

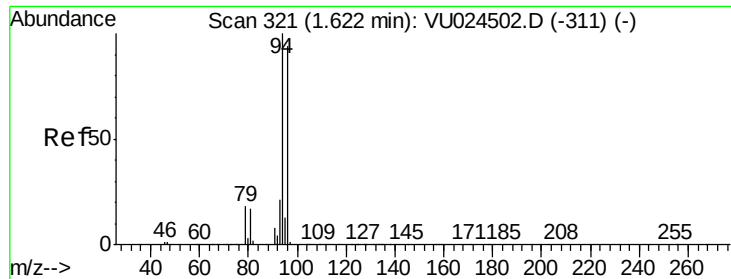
Tgt Ion: 62 Resp: 115248

Ion Ratio Lower Upper

62 100

64 32.5 24.8 37.2





#5

Bromomethane

Concen: 60.70 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 71349

Ion Ratio Lower Upper

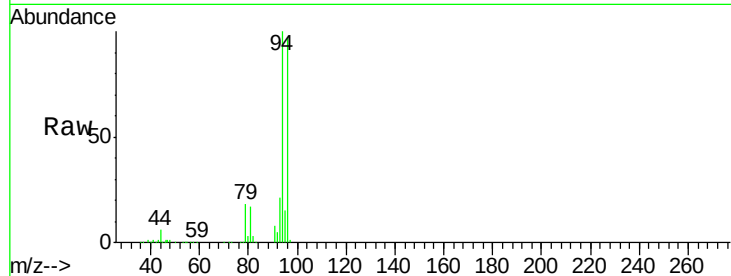
94 100

96 97.0 74.5 111.7

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VU024502.D (-311) (-)

Ion 95.90 (95.60 to 96.60): VU024502.D (-311) (-)

60000

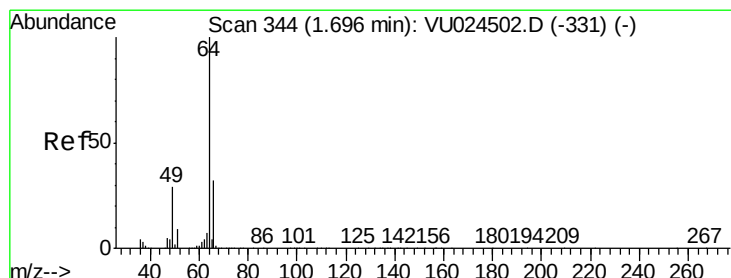
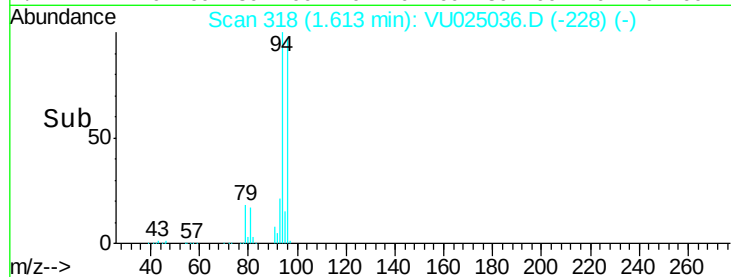
40000

20000

0

1.55 1.60 1.65

Time-->



#6

Chloroethane

Concen: 54.36 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025036.D

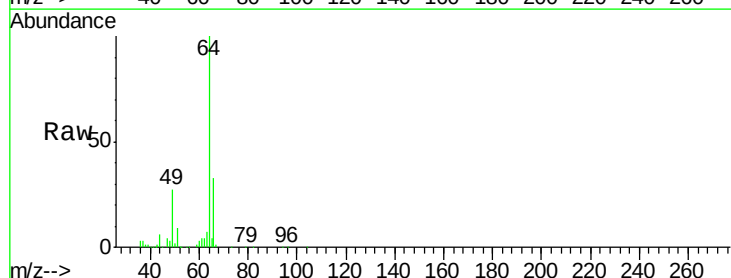
Acq: 28 Jun 2018 21:57

Tgt Ion: 64 Resp: 73730

Ion Ratio Lower Upper

64 100

66 32.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU024502.D (-331) (-)

Ion 65.90 (65.60 to 66.60): VU024502.D (-331) (-)

60000

50000

40000

30000

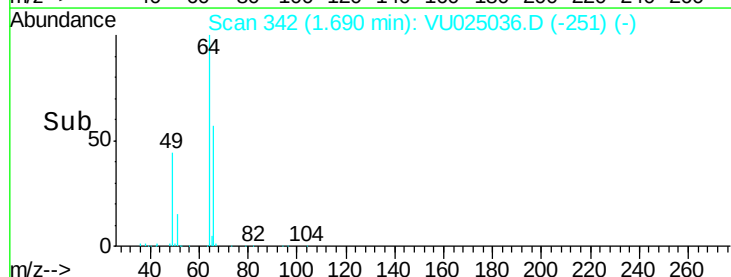
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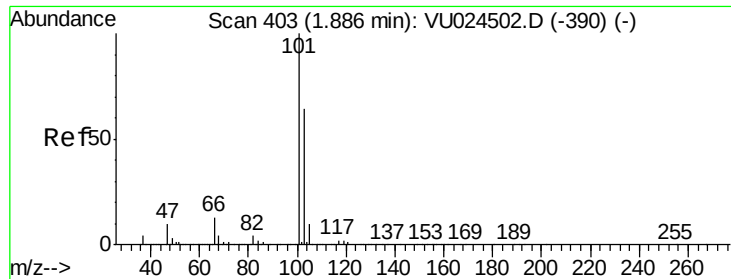
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0

1.60 1.65 1.70 1.75 1.80

Time-->





#7

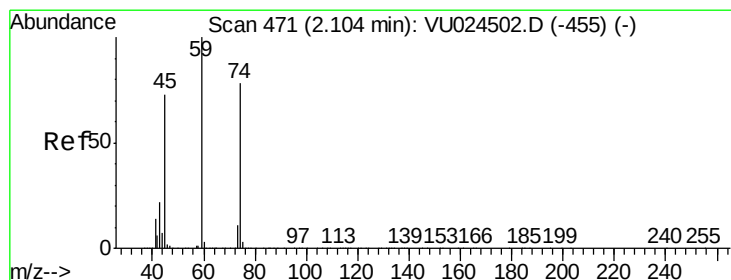
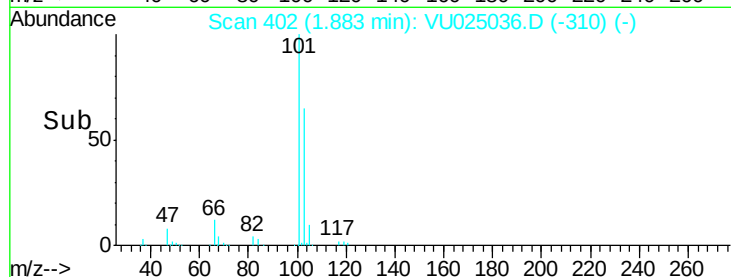
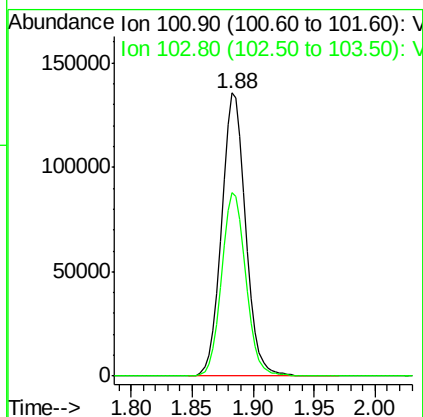
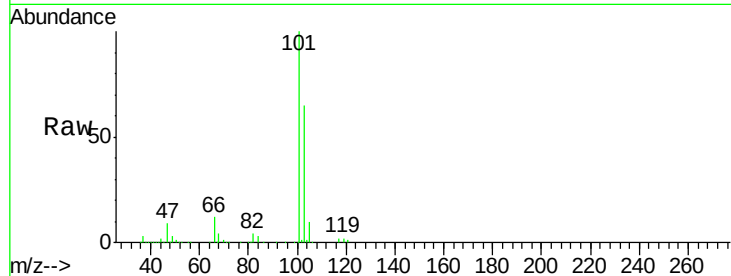
Trichlorofluoromethane
Concen: 50.96 ug/l
RT: 1.88 min Scan# 402
Delta R.T. -0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.3	78.5

Manual Integrations
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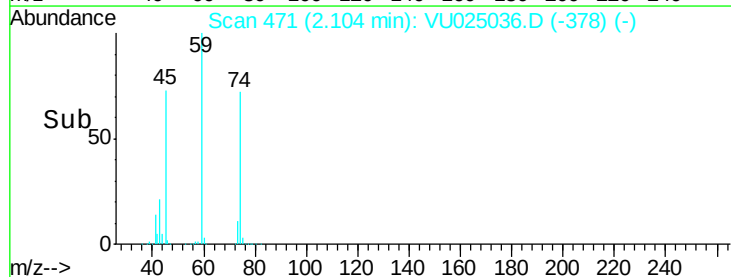
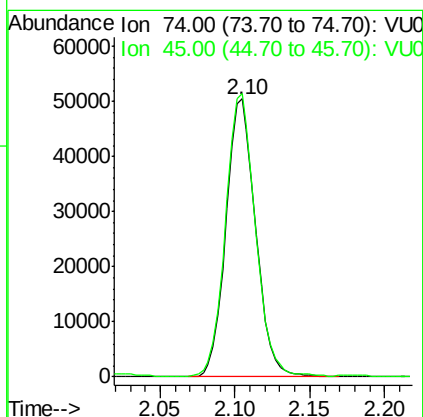
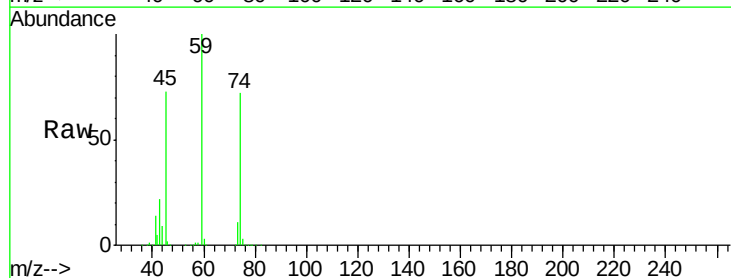
MMDadoda
6/29/2018 4:23:46 PM

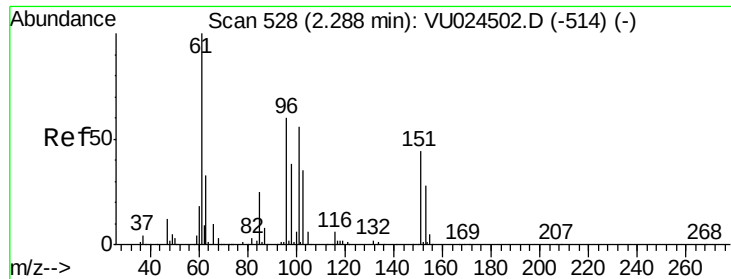


#8

Diethyl Ether
Concen: 55.21 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.1	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.84 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

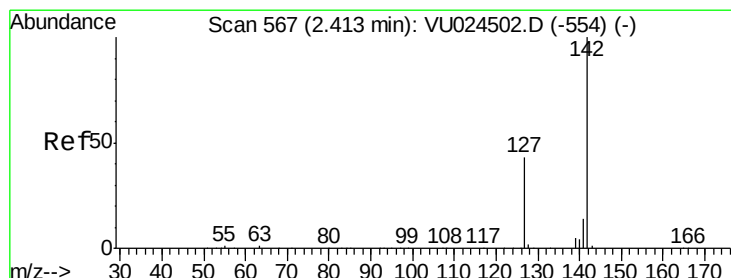
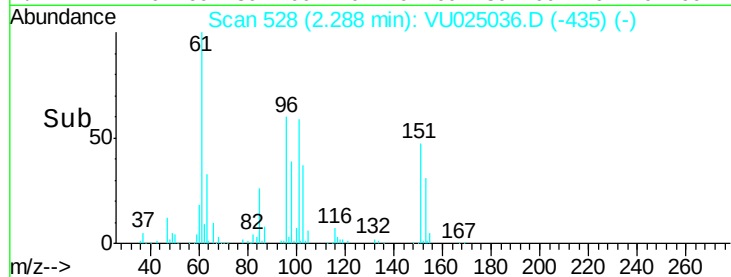
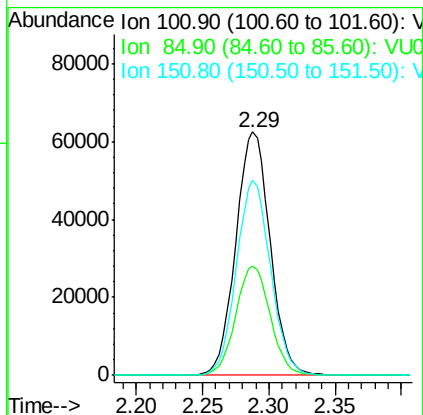
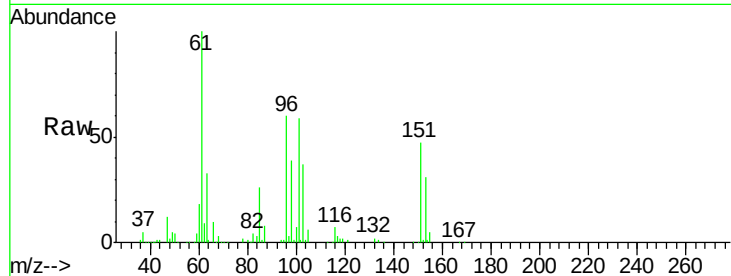
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	112434
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.0	54.0
151	80.0	62.3	93.5

Manual Integrations
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6/29/2018 4:23:46 PM



#10

Methyl Iodide

Concen: 64.76 ug/l

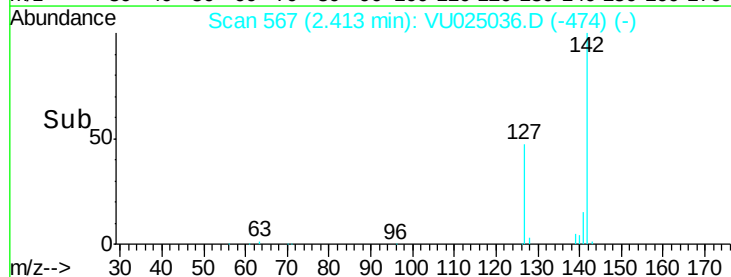
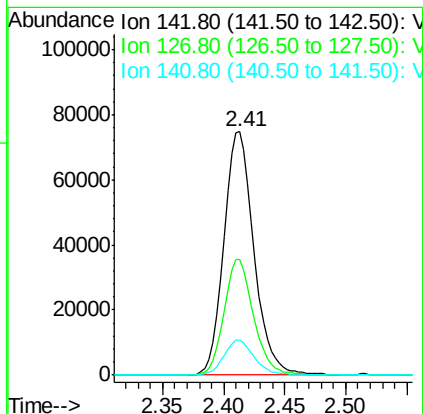
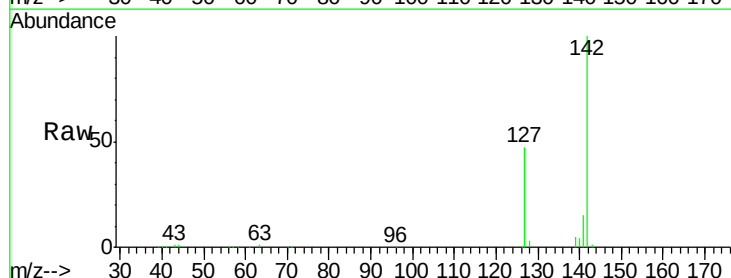
RT: 2.41 min Scan# 567

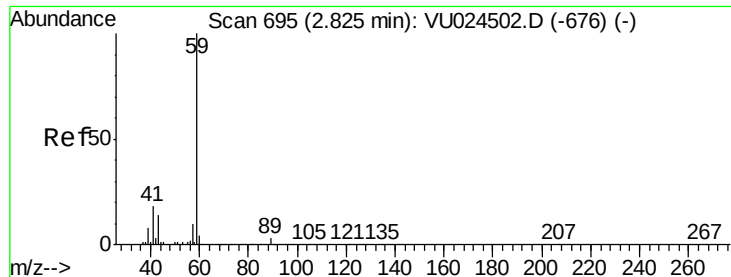
Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Tgt Ion:	142	Resp:	129570
Ion Ratio	Lower	Upper	
142	100		
127	46.7	35.6	53.4
141	14.4	11.7	17.5





#11

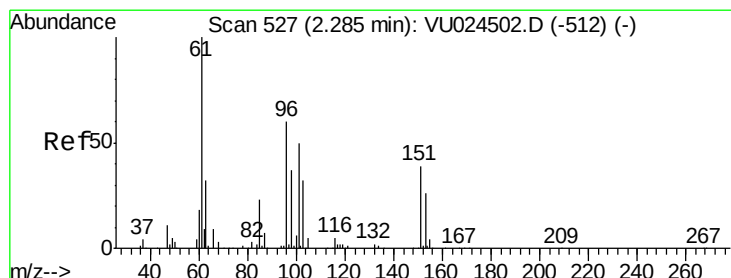
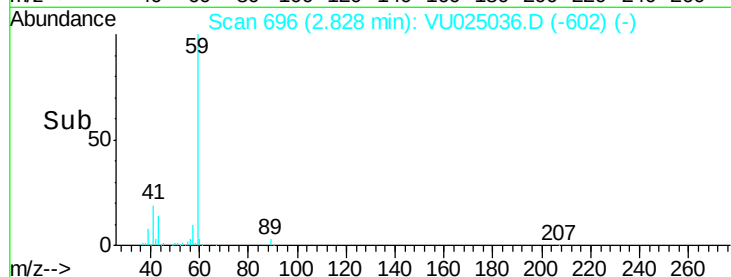
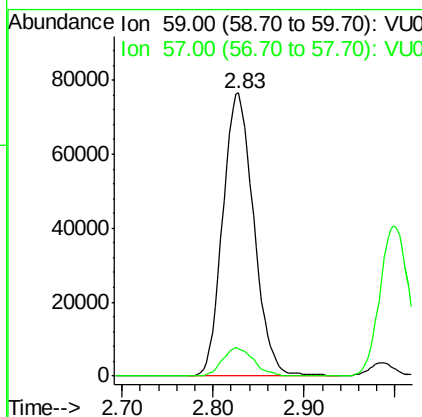
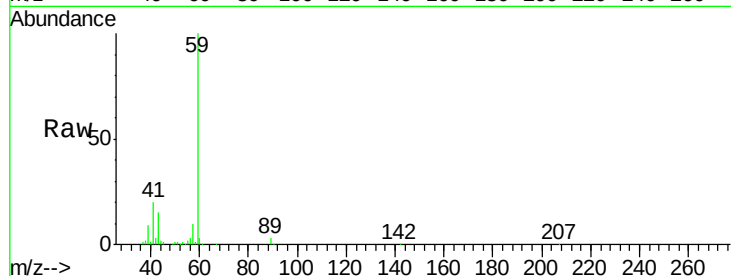
Tert butyl alcohol
Concen: 248.01 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.5	12.7

Manual Integrations
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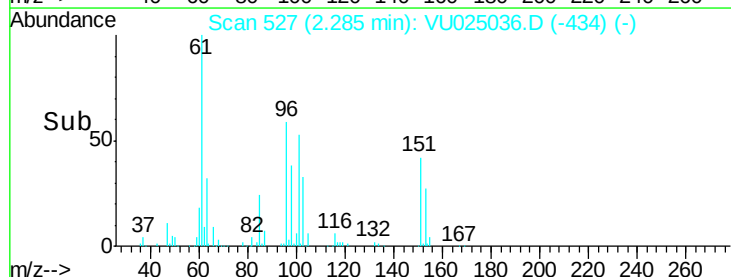
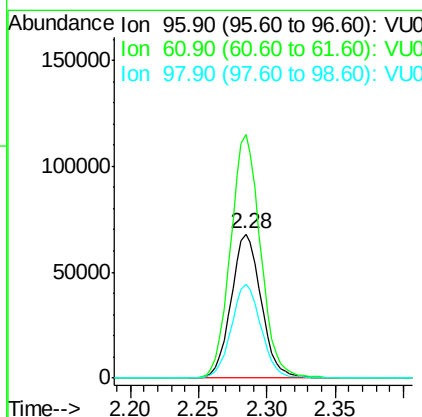
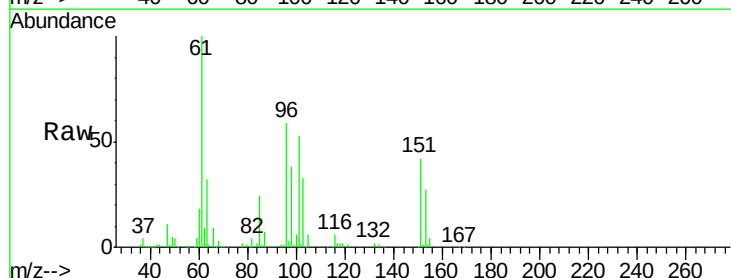
MMDadoda
6/29/2018 4:23:46 PM

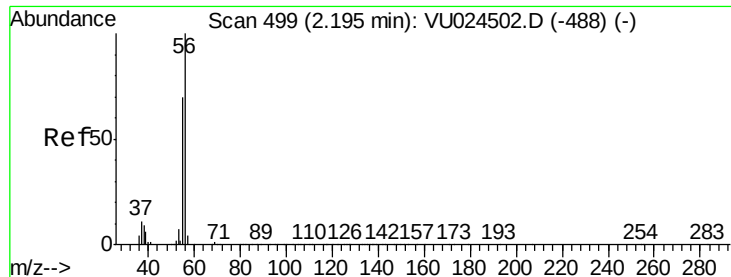


#12

1,1-Dichloroethene
Concen: 49.52 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.9	141.7	212.5
98	64.7	51.6	77.4





#13

Acrolein

Concen: 106.53 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 40951

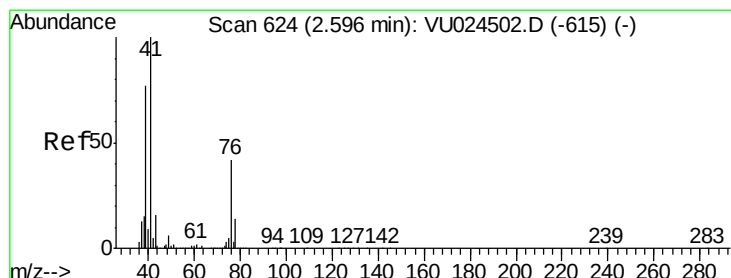
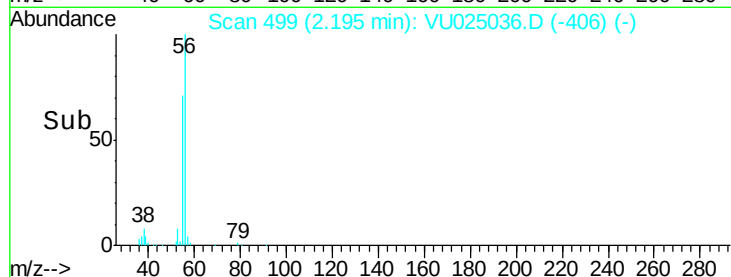
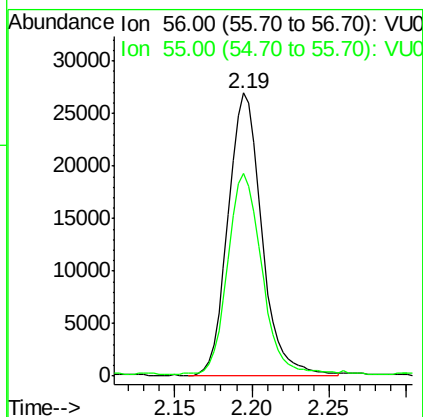
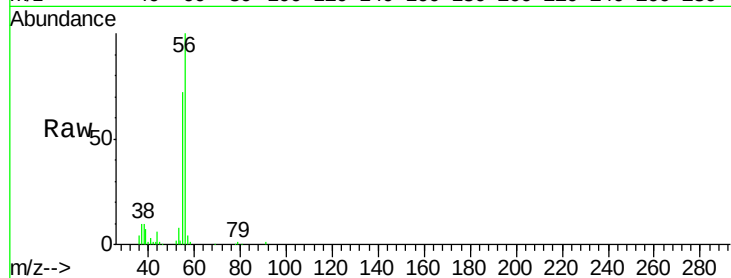
Ion Ratio Lower Upper

56 100

55 71.4 58.4 87.6

Manual Integrations
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#14

Allyl chloride

Concen: 46.91 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

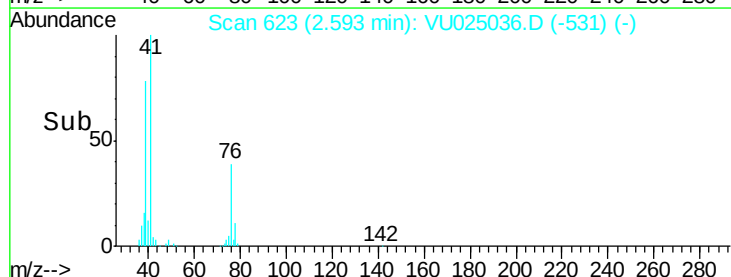
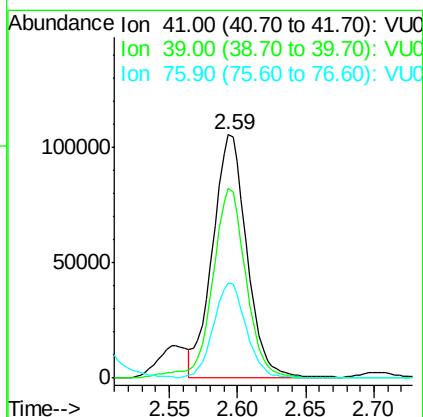
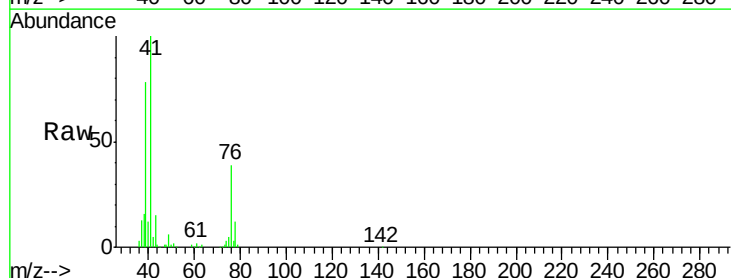
Tgt Ion: 41 Resp: 182850

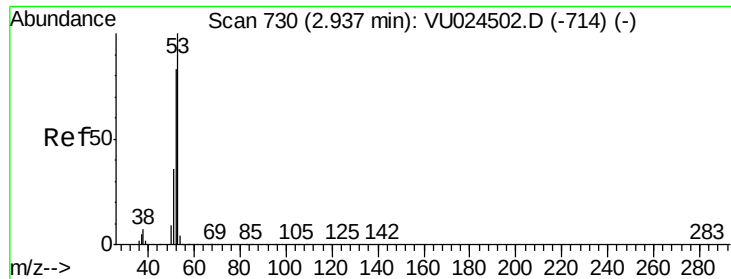
Ion Ratio Lower Upper

41 100

39 76.9 61.6 92.4

76 37.7 29.7 44.5





#15

Acrylonitrile

Concen: 260.43 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

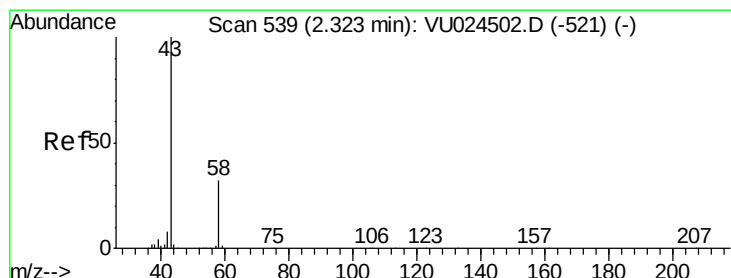
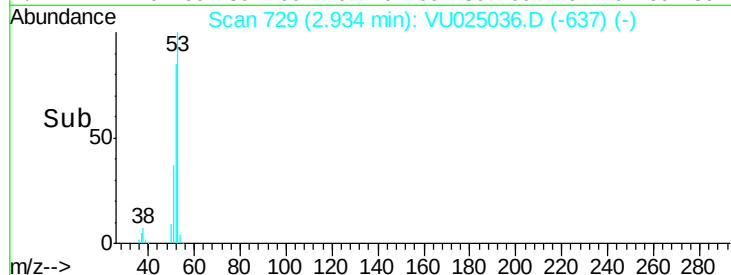
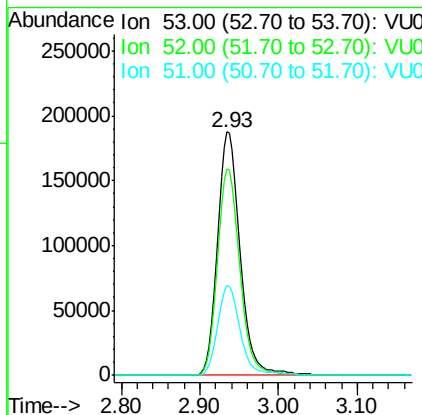
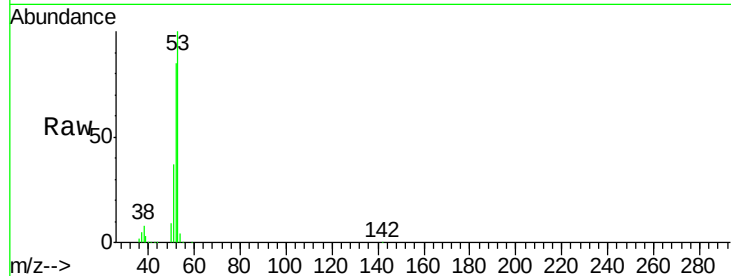
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	370912
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.1	100.7
51	37.3	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 216.73 ug/l

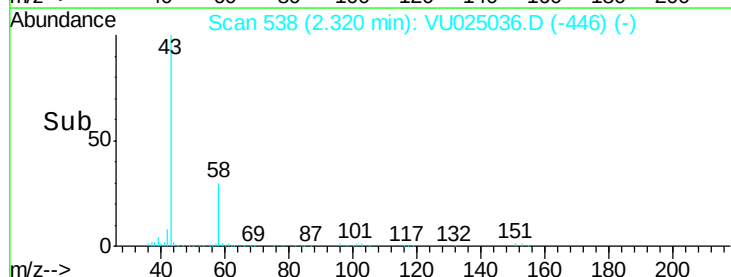
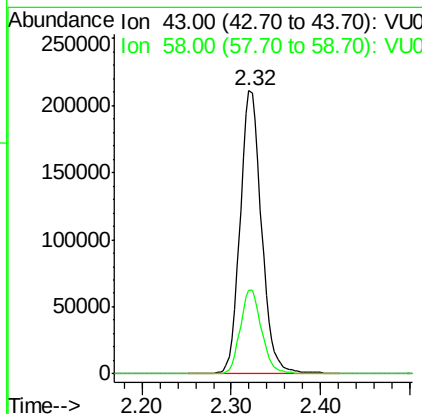
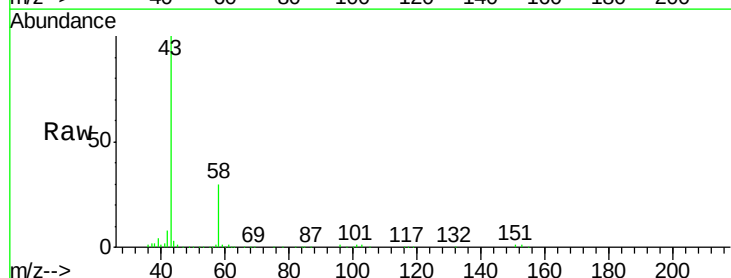
RT: 2.32 min Scan# 538

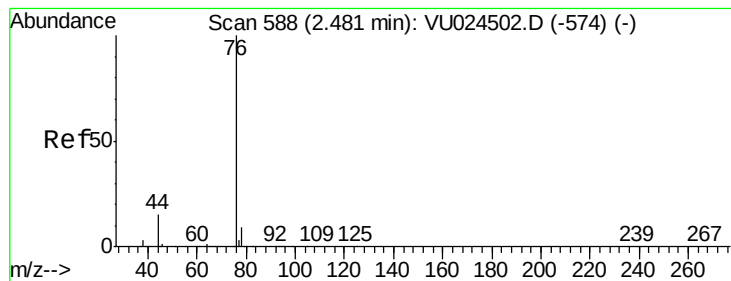
Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Tgt Ion:	43	Resp:	350487
Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.4	36.6





#17

Carbon Disulfide

Concen: 44.01 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 295848

Ion Ratio Lower Upper

76 100

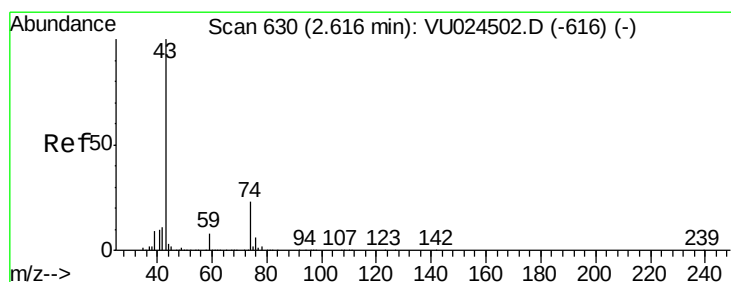
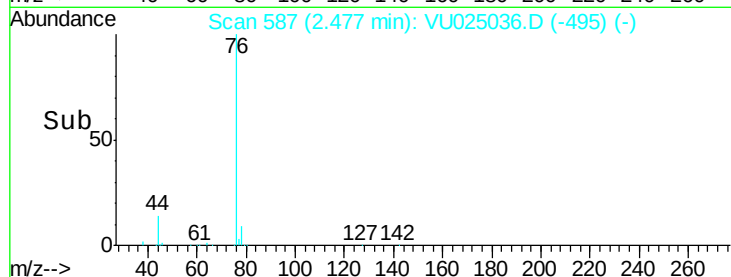
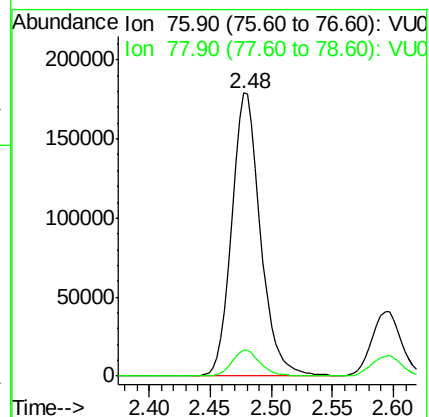
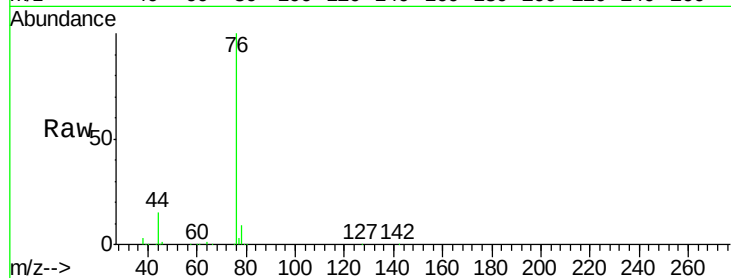
78 9.2 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 63.25 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025036.D

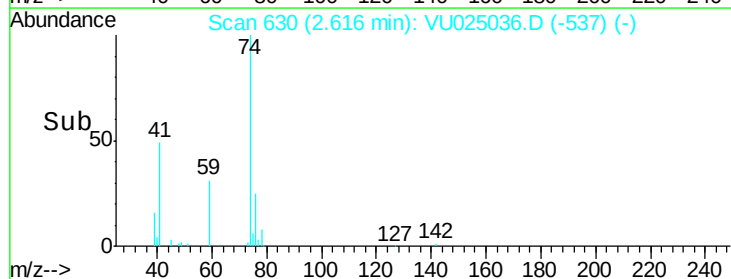
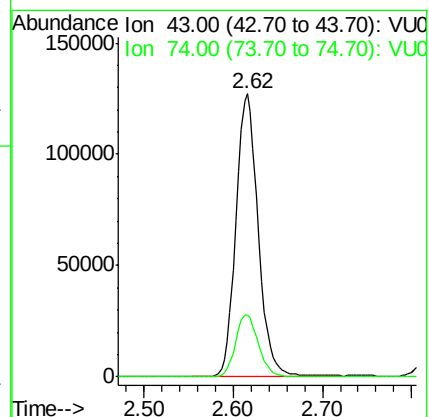
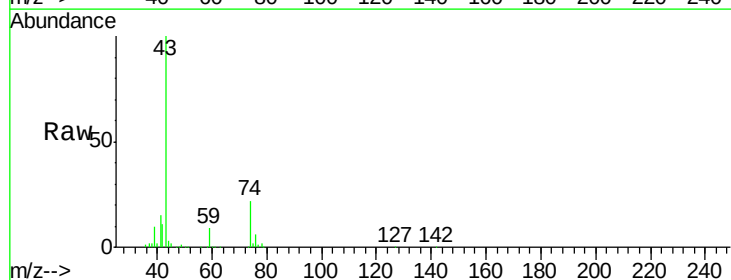
Acq: 28 Jun 2018 21:57

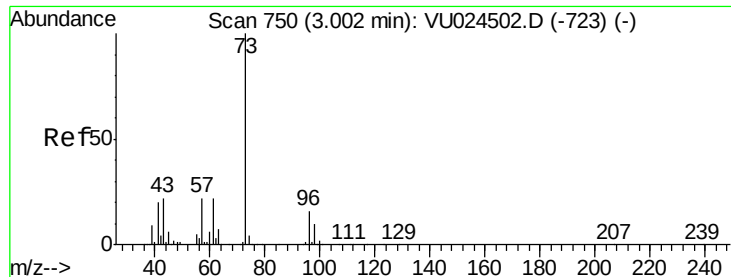
Tgt Ion: 43 Resp: 219279

Ion Ratio Lower Upper

43 100

74 22.6 18.0 27.0





#19

Methyl tert-butyl Ether

Concen: 53.83 ug/l

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Tot Ion: 73 Resp: 424783

Ion Ratio Lower Upper

73 100

57 20.8 18.8 28.2

Instrument :

MSVOA_U

ClientSampleId :

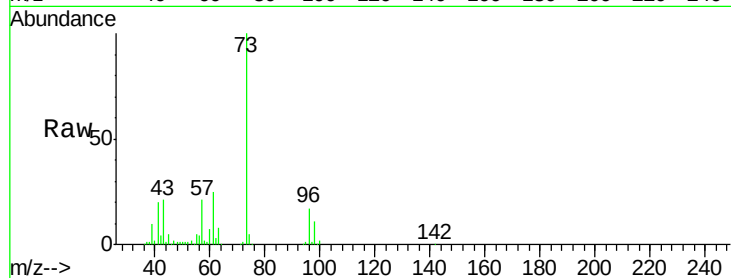
VSTDCCC050

Manual Integrations

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Abundance Ion 73.00 (72.70 to 73.70): VU024502.D (-723) (-)

Ion 57.00 (56.70 to 57.70): VU024502.D (-723) (-)

3.00

200000

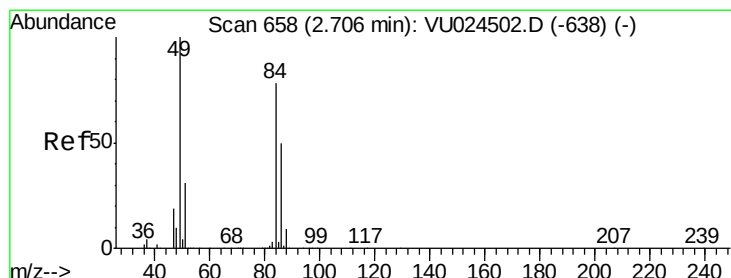
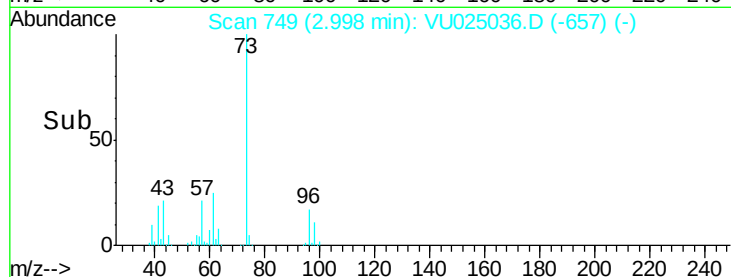
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 50.21 ug/l

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Tgt Ion: 84 Resp: 127415

Ion Ratio Lower Upper

84 100

49 123.4 103.8 155.8

51 36.9 32.0 48.0

86 65.9 51.6 77.4

Abundance Ion 83.90 (83.60 to 84.60): VU024502.D (-638) (-)

Ion 48.90 (48.60 to 49.60): VU024502.D (-638) (-)

Ion 50.90 (50.60 to 51.60): VU024502.D (-638) (-)

Ion 85.90 (85.60 to 86.60): VU024502.D (-638) (-)

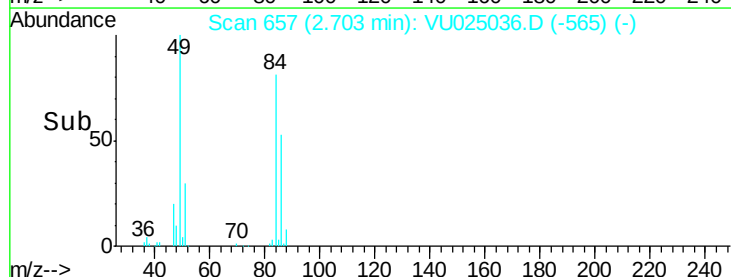
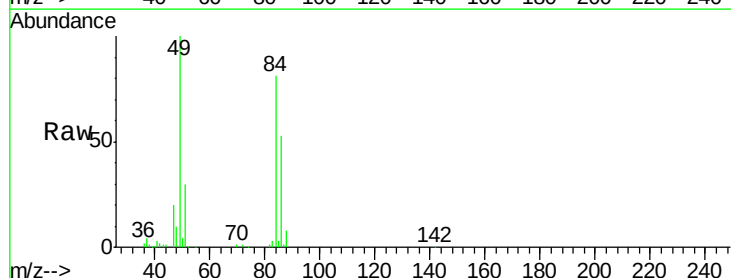
2.70

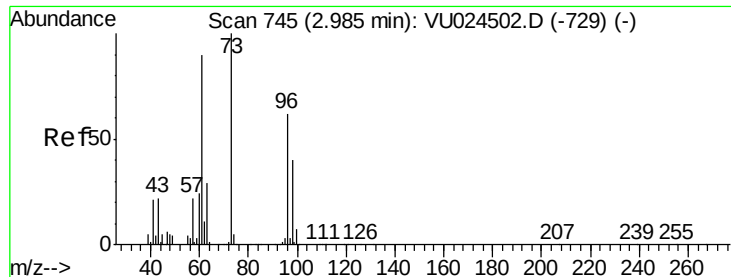
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 50.32 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

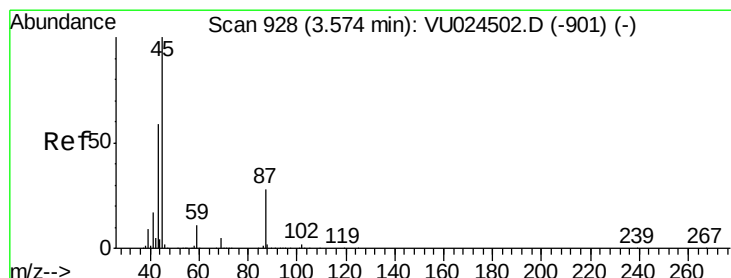
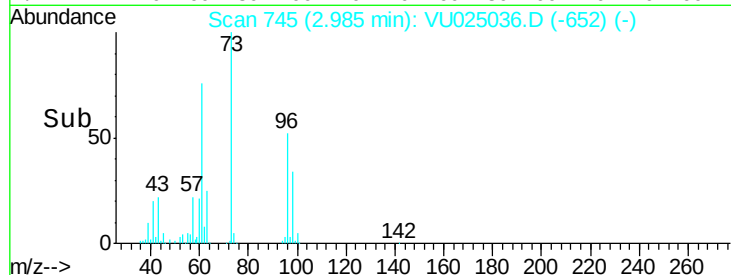
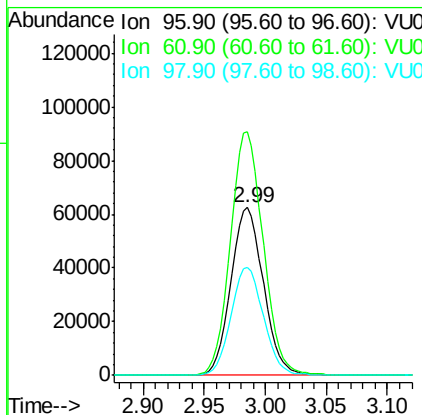
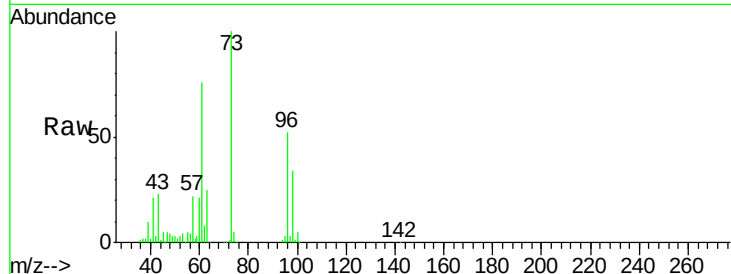
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	116353
Ion	Ratio	Lower	Upper
96	100		
61	145.3	119.4	179.0
98	64.7	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.31 ug/l

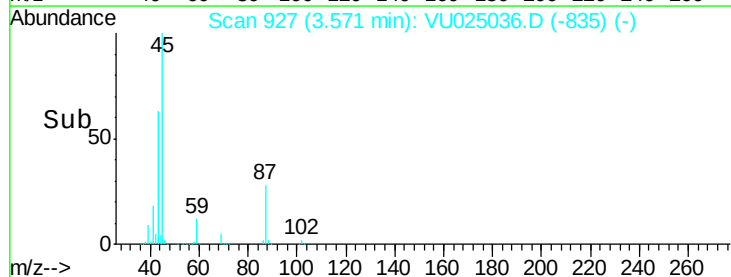
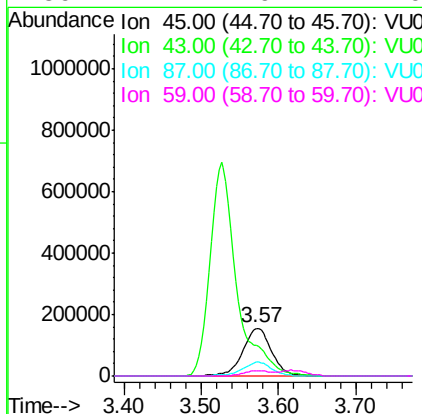
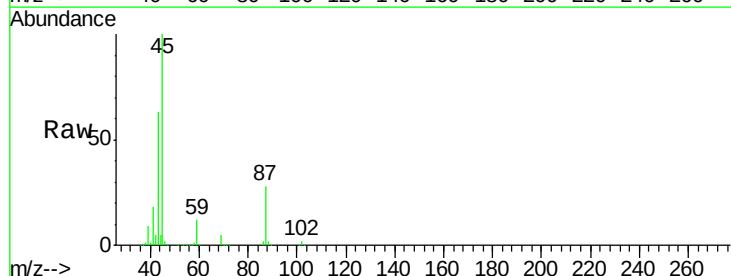
RT: 3.57 min Scan# 927

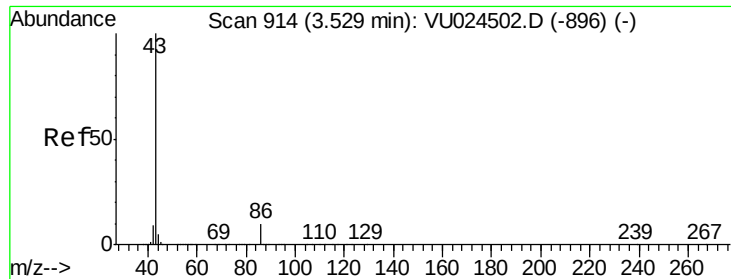
Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Tgt Ion:	45	Resp:	404221
Ion	Ratio	Lower	Upper
45	100		
43	62.5	45.8	68.6
87	28.2	20.6	31.0
59	11.7	9.4	14.0





#23

Vinyl Acetate

Concen: 245.21 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1697259

Ion Ratio Lower Upper

43 100

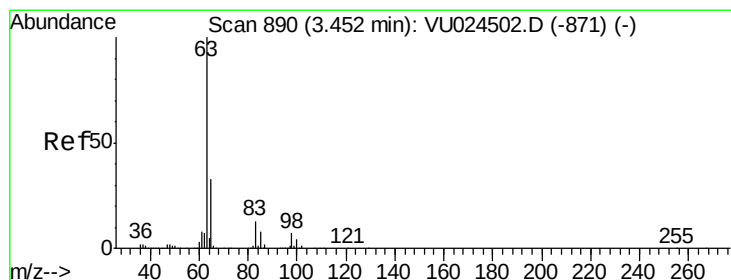
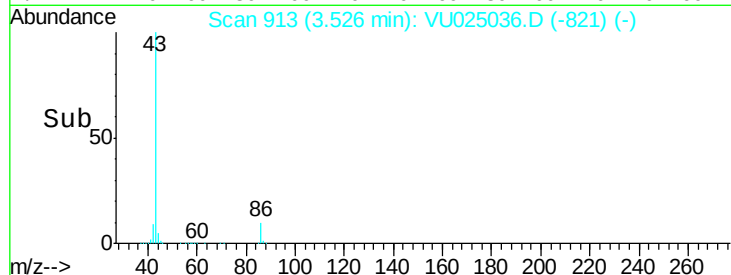
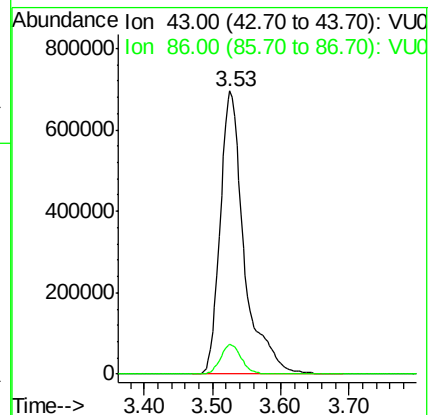
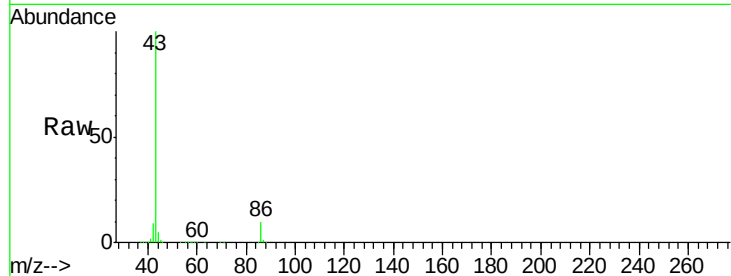
86 10.4 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.95 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

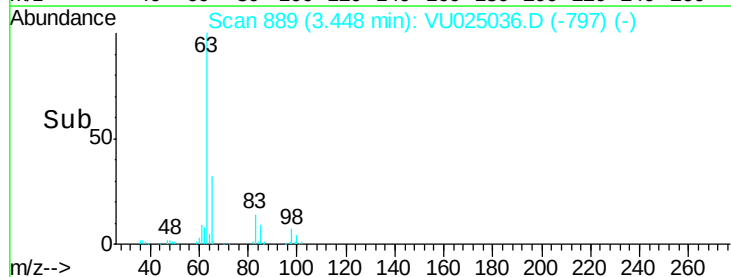
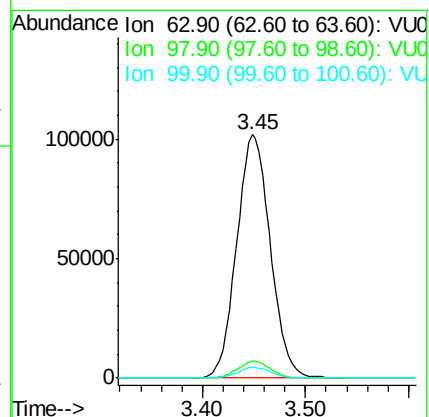
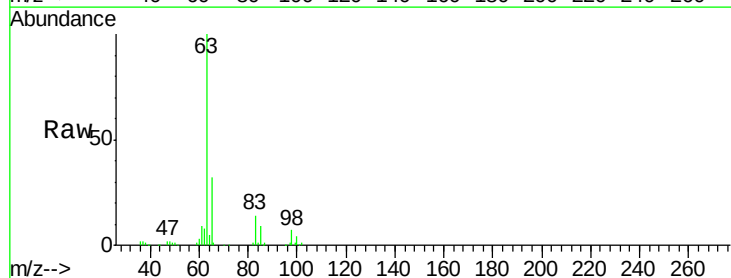
Tgt Ion: 63 Resp: 230906

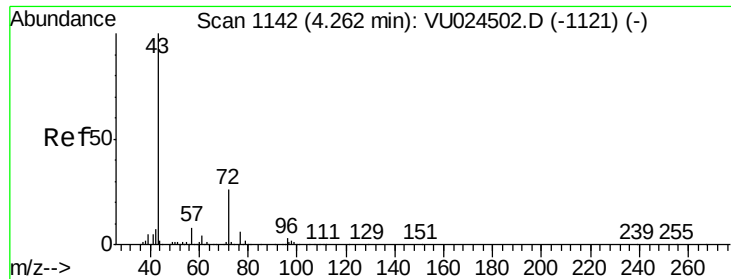
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.2 1.8 5.5





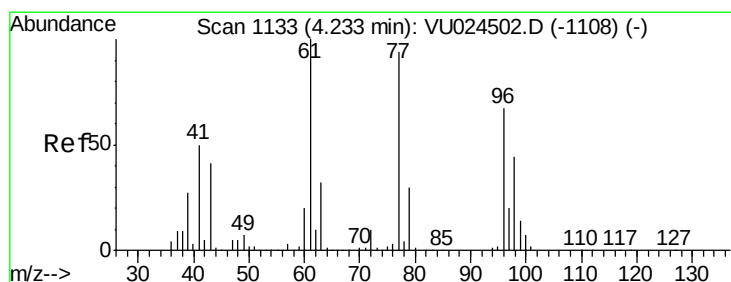
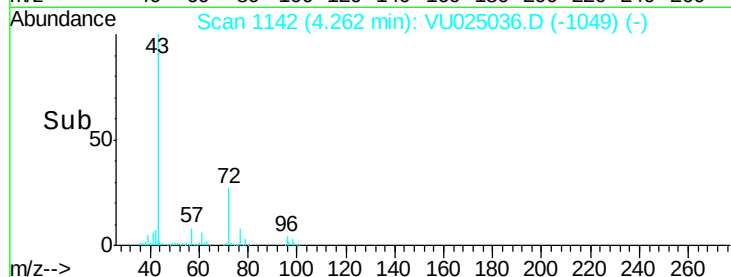
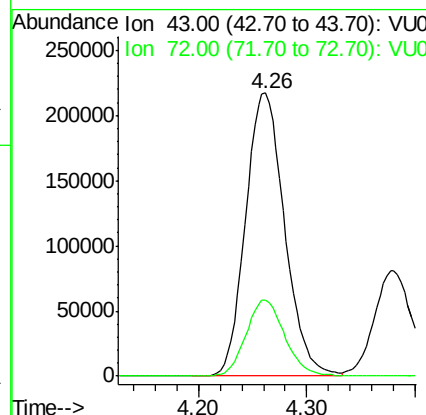
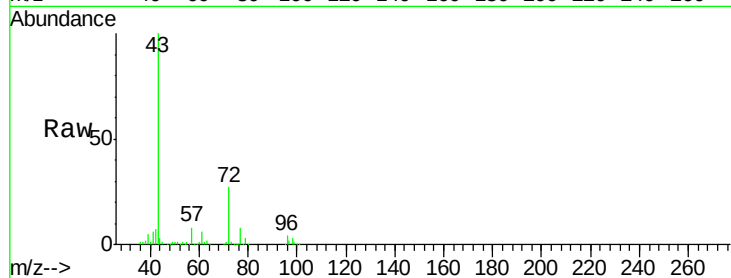
#25
2-Butanone
Concen: 249.88 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	27.0	19.6	29.4

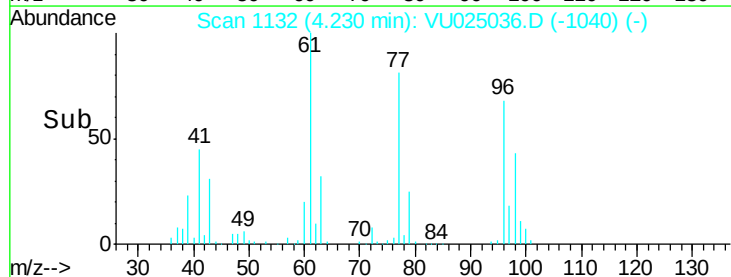
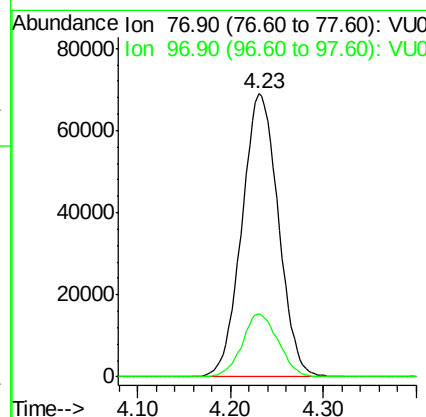
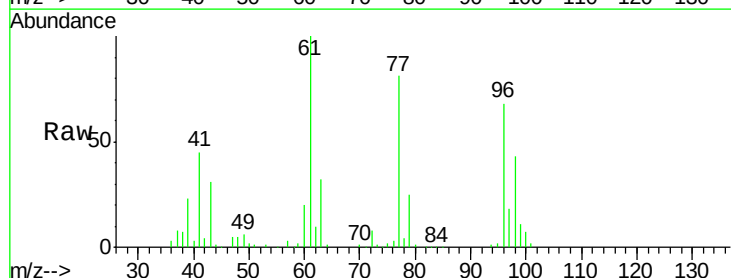
Manual Integrations
APPROVED

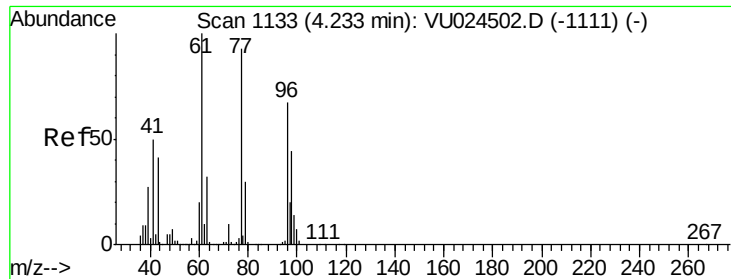
MMDadoda
6/29/2018 4:23:46 PM



#26
2,2-Dichloropropane
Concen: 44.62 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.3	33.8





#27

cis-1,2-Dichloroethene

Concen: 52.74 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025036.D

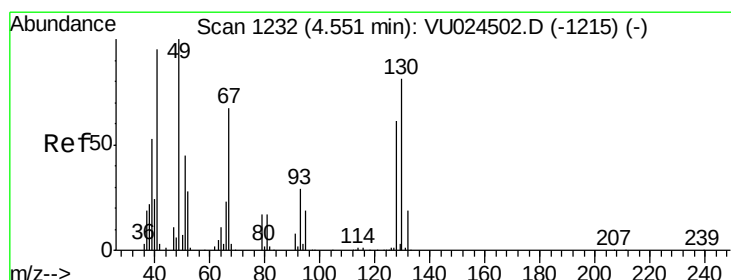
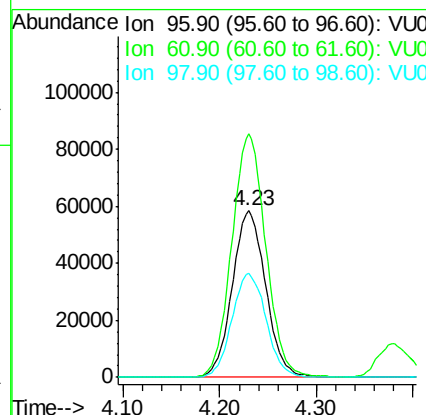
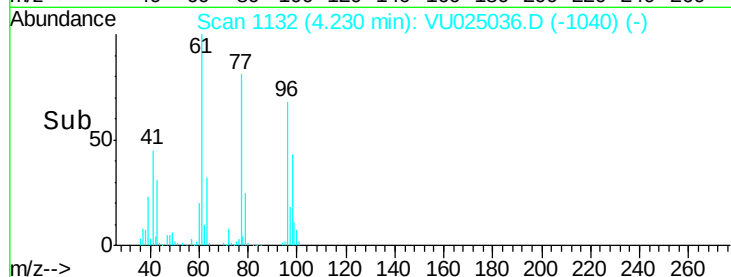
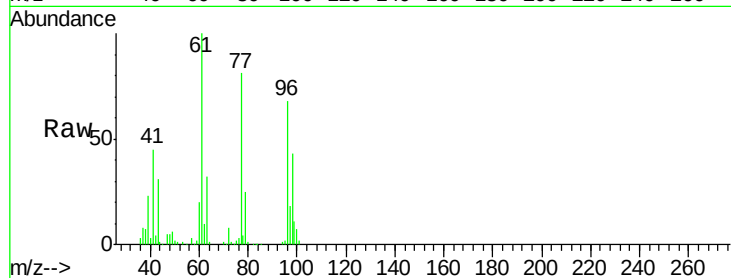
Acq: 28 Jun 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	148.6	0.0	306.6	
98	63.9	0.0	128.8	

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#28

Bromochloromethane

Concen: 44.73 ug/l

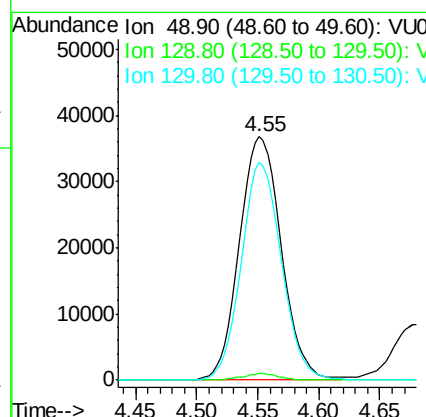
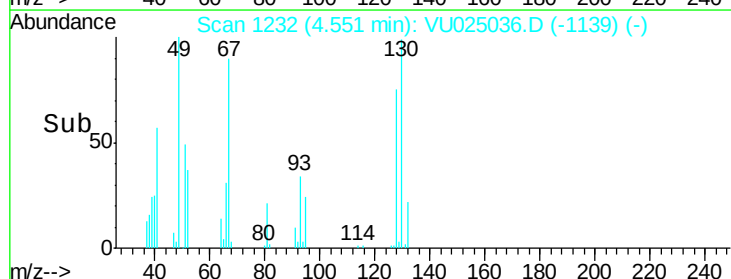
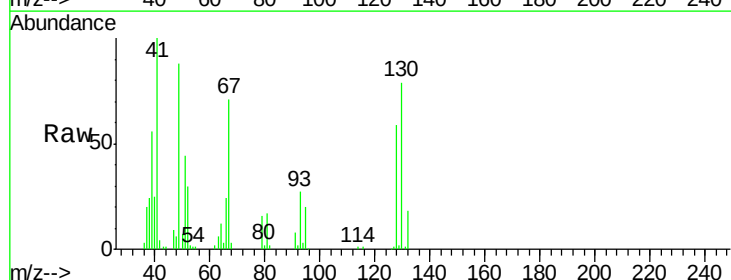
RT: 4.55 min Scan# 1232

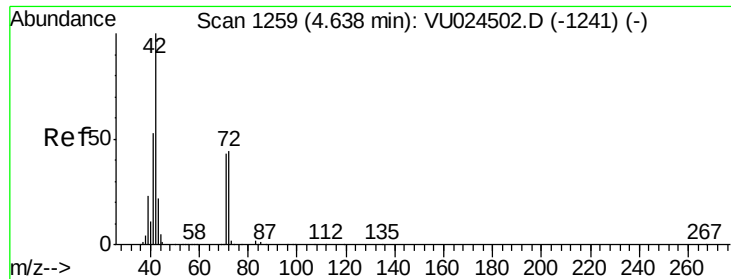
Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	3.8	
130	85.5	57.8	86.6	





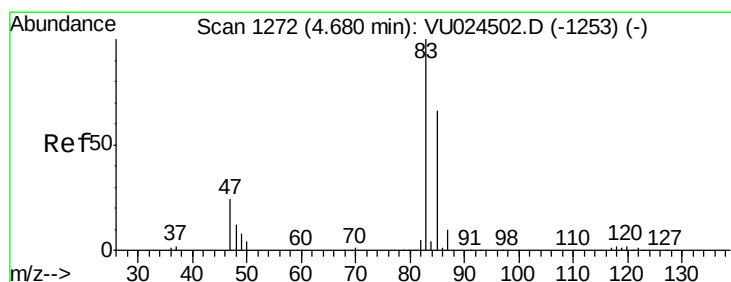
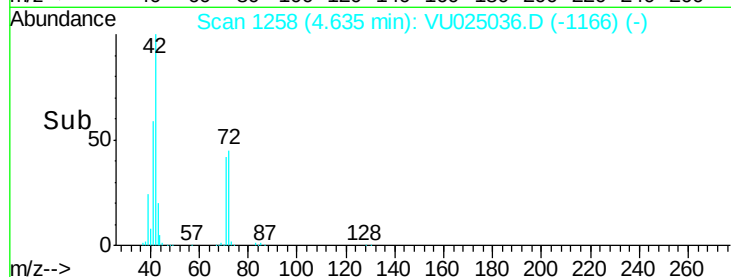
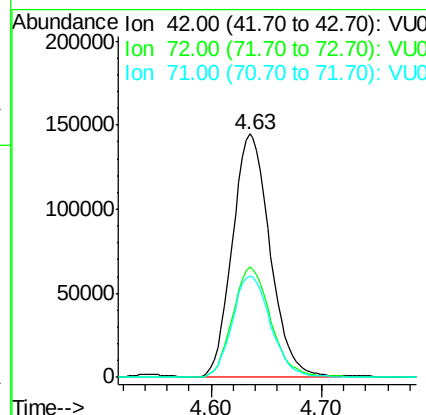
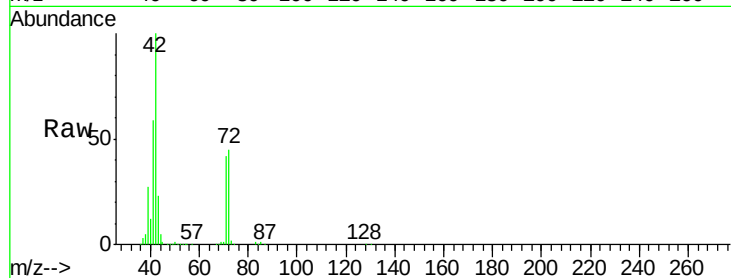
#29
Tetrahydrofuran
Concen: 253.67 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	341230
Ion	Ratio	Lower	Upper
42	100		
72	46.0	34.5	51.7
71	42.6	32.2	48.4

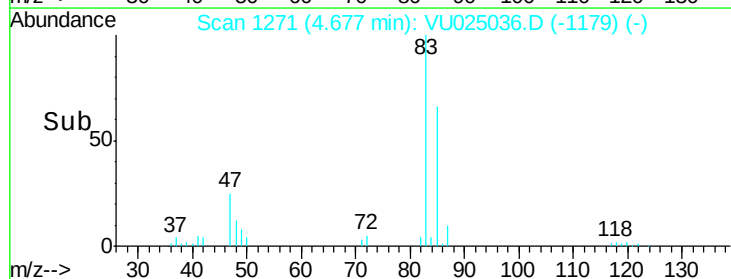
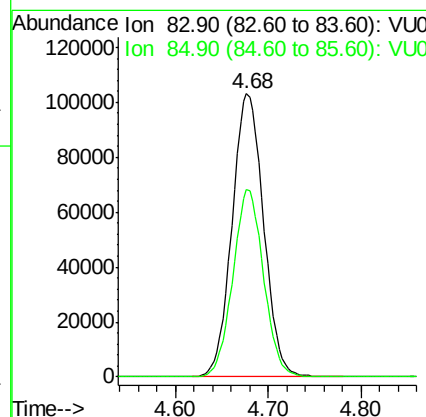
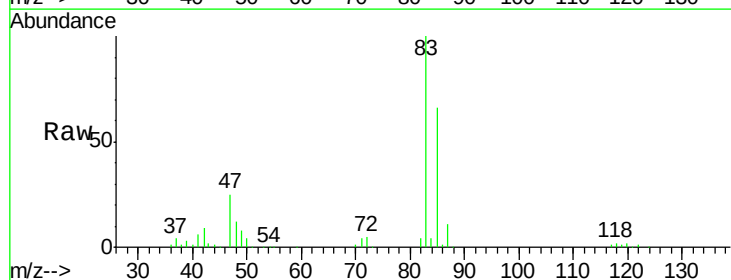
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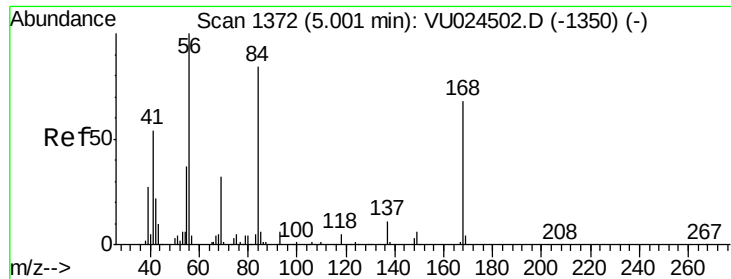
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#30
Chloroform
Concen: 53.97 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion:	83	Resp:	242833
Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.4	78.6





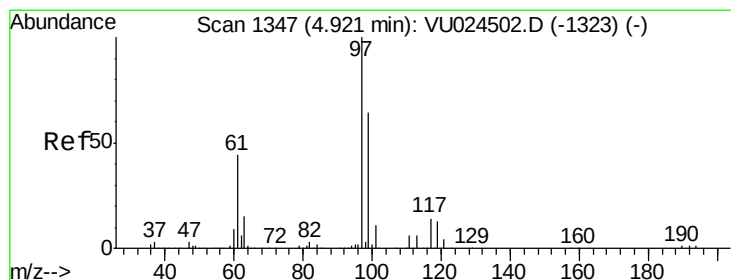
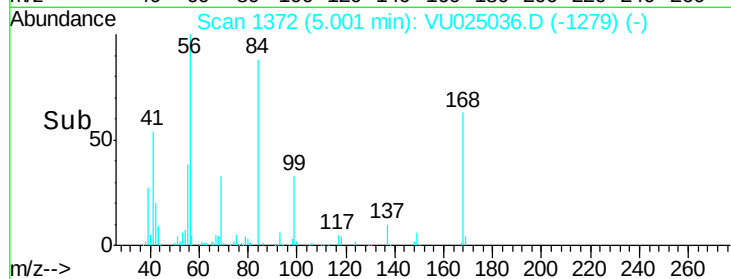
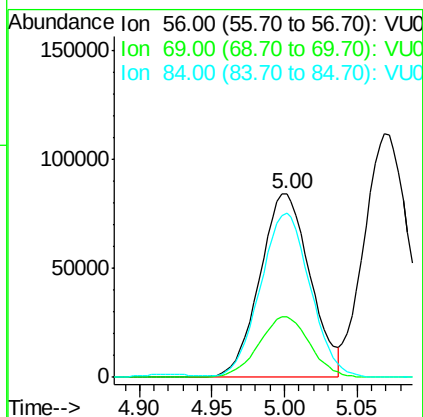
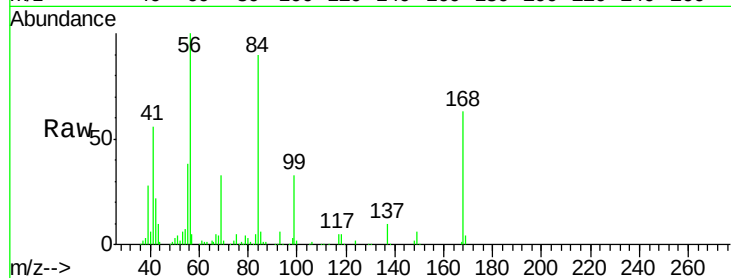
#31
Cyclohexane
Concen: 51.72 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	24.8	37.2
84	88.3	65.2	97.8

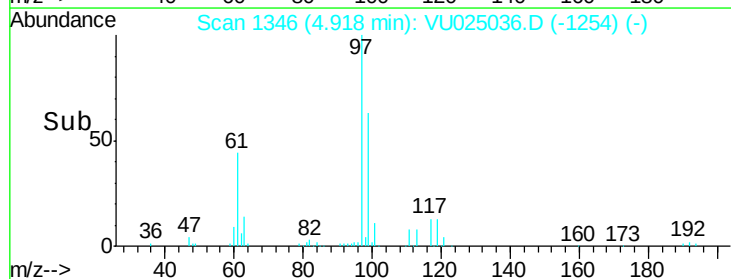
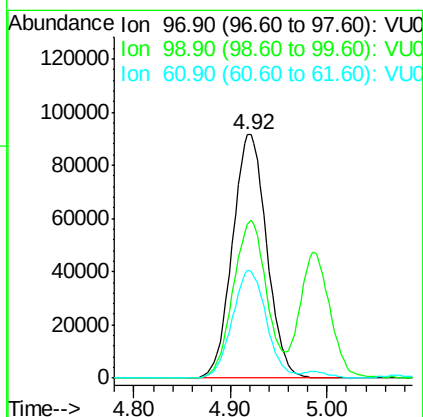
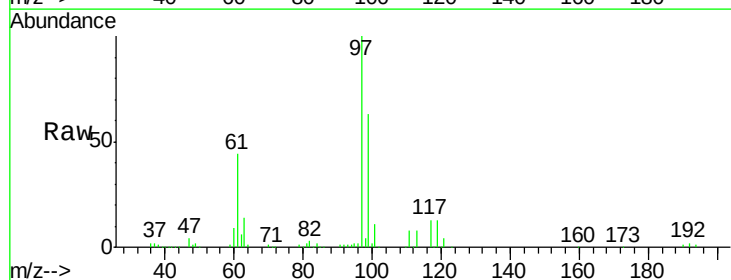
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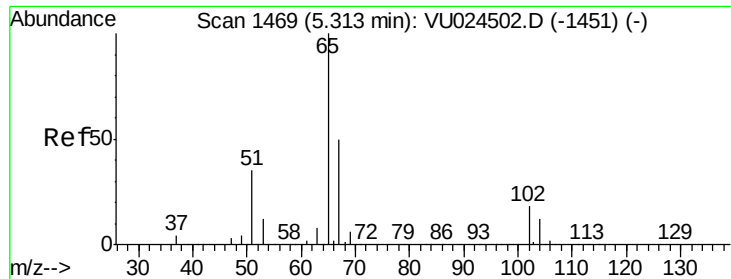
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 54.04 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.6
61	44.0	39.4	59.0





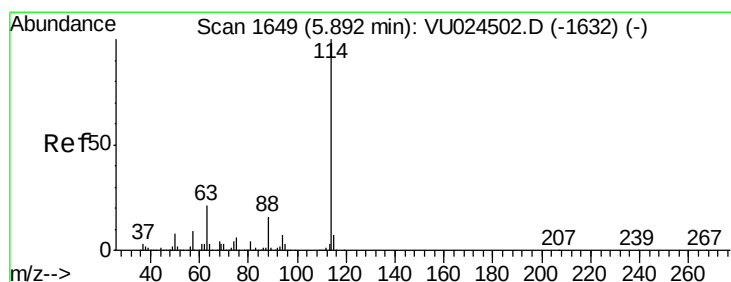
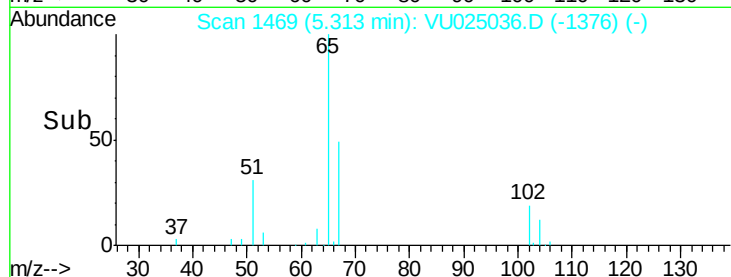
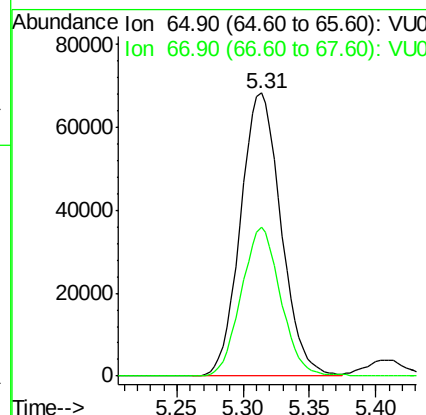
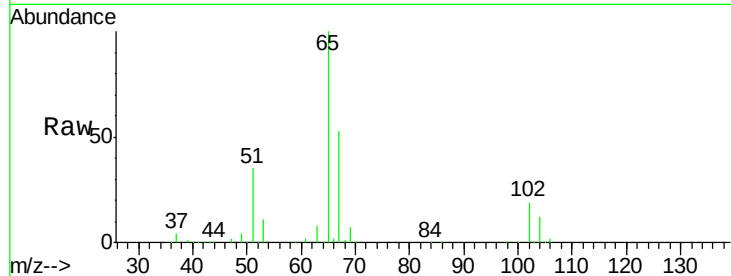
#33
 1,2-Dichloroethane-d4
 Concen: 48.32 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	145440		
67	51.1	0.0	107.0	

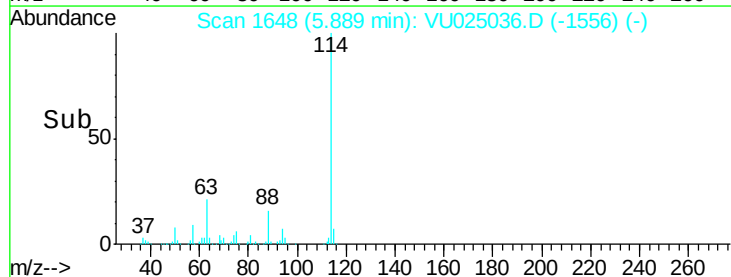
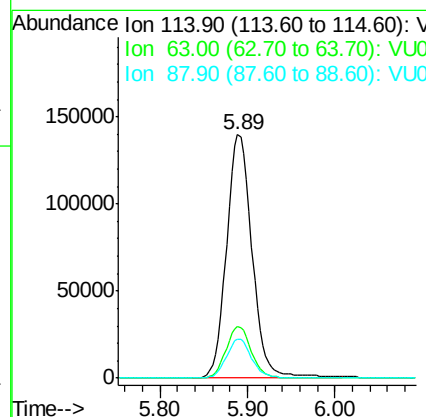
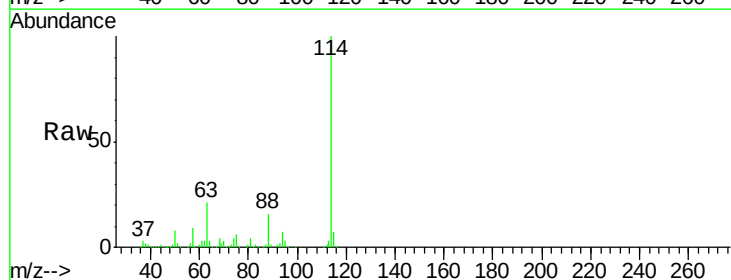
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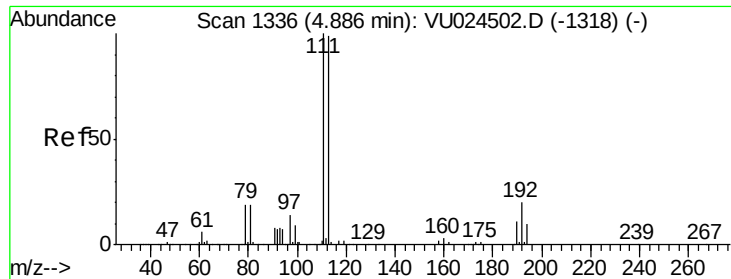
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	284251		
63	21.1	0.0	45.4	
88	16.0	0.0	31.0	





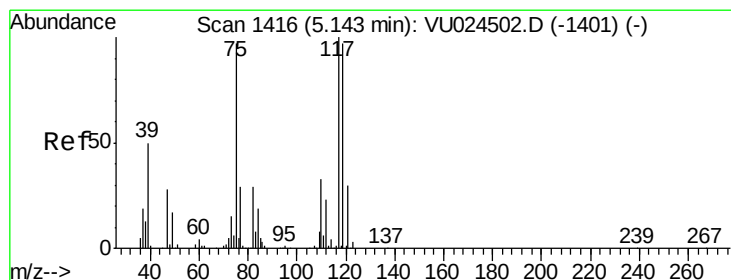
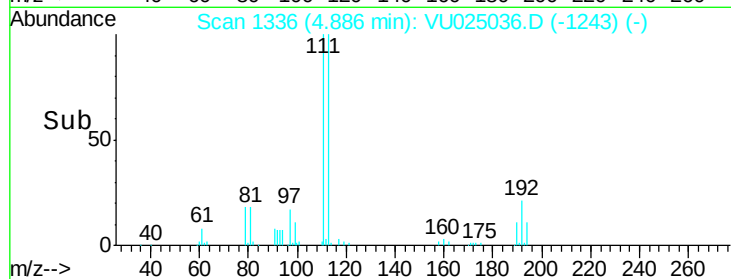
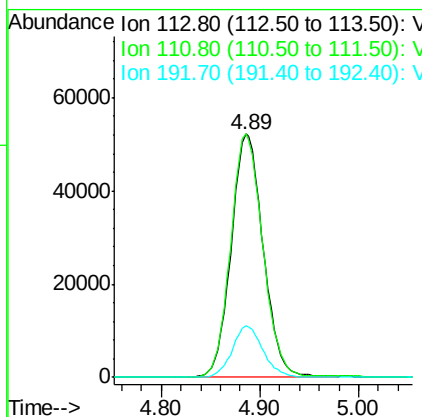
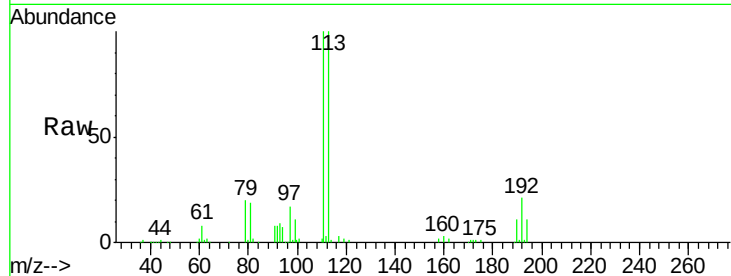
#35
 Dibromofluoromethane
 Concen: 49.94 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	117821		
111	100.4	82.2	123.4	
192	20.3	16.2	24.4	

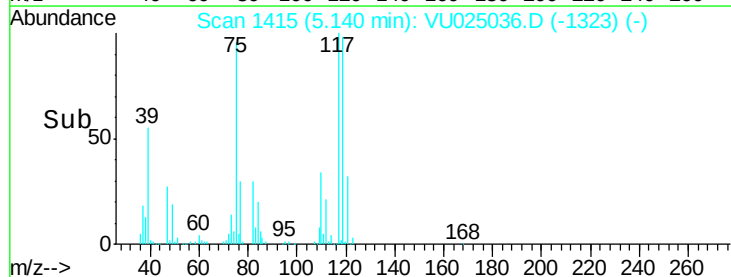
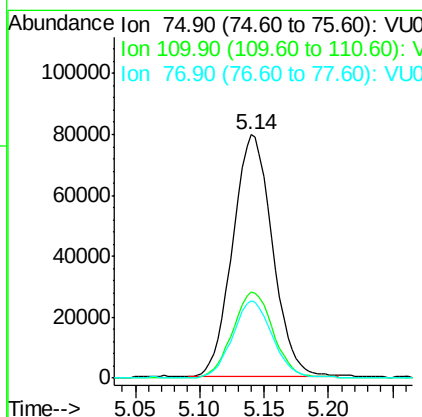
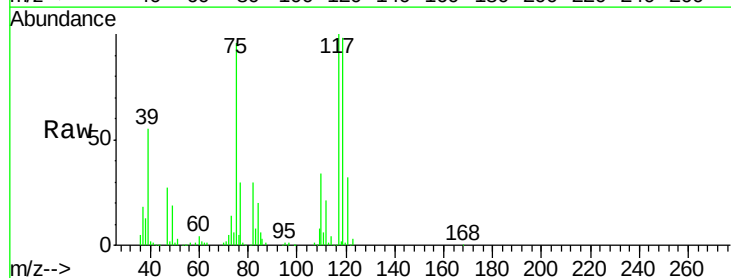
Manual Integrations
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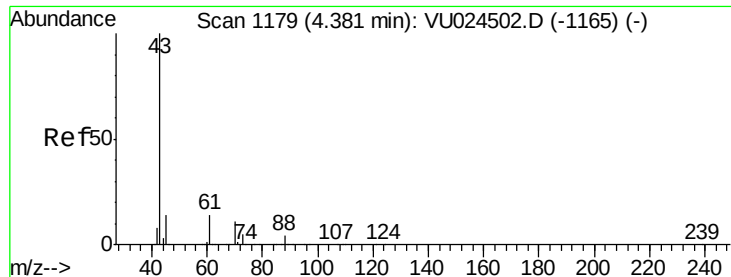
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#36
 1,1-Dichloropropene
 Concen: 51.24 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	171134		
110	36.4	17.0	50.9	
77	31.7	24.2	36.4	





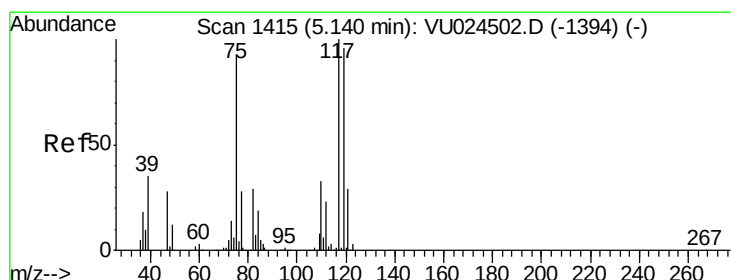
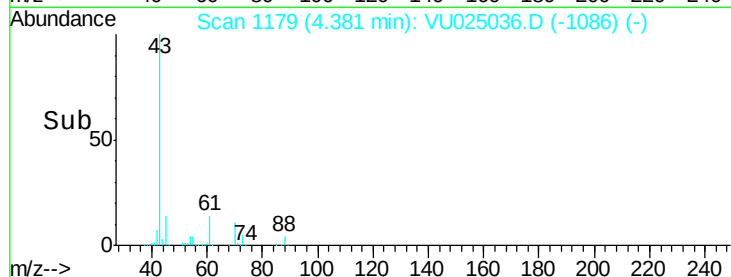
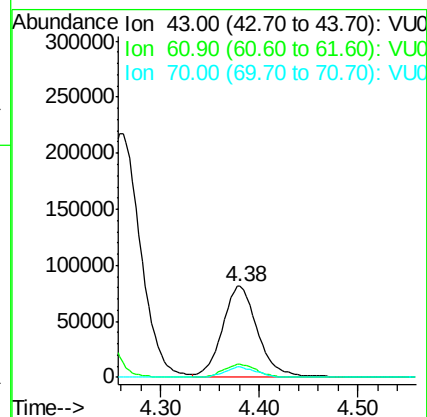
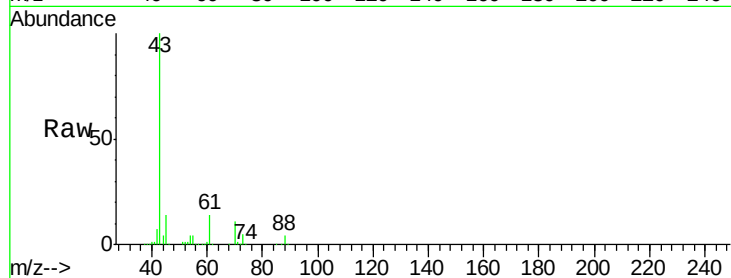
#37
Ethyl Acetate
Concen: 54.78 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	199446
Ion Ratio	Lower	Upper	
43	100		
61	14.2	10.5	15.7
70	10.8	7.4	11.2

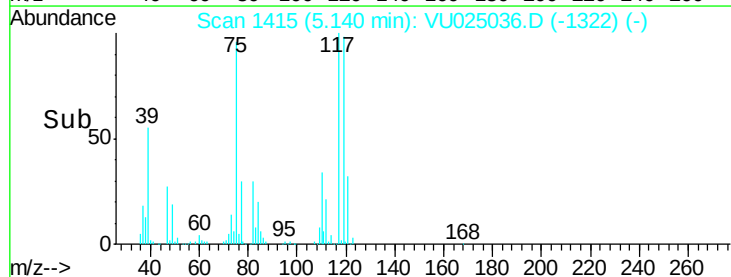
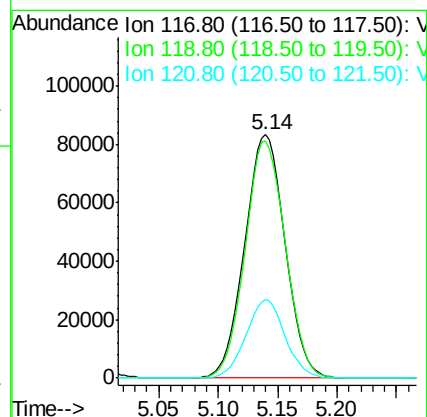
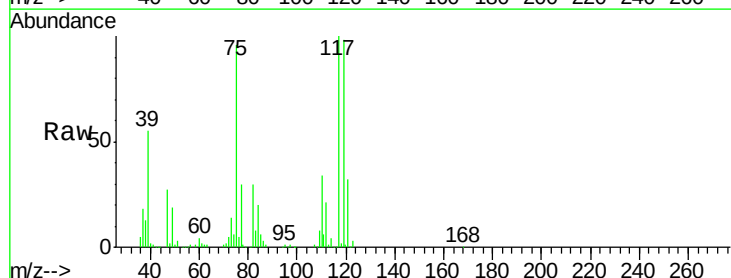
Manual Integrations
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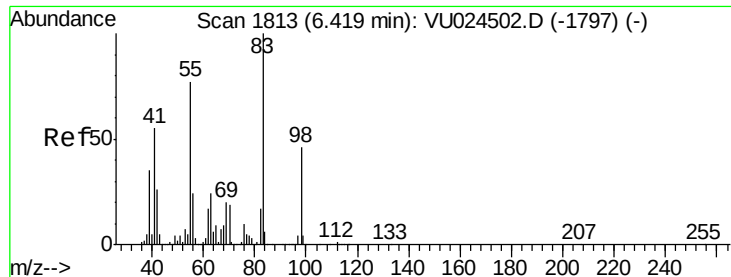
MMDadoda
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#38
Carbon Tetrachloride
Concen: 53.46 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion	117	Resp	196366
Ion Ratio	Lower	Upper	
117	100		
119	97.6	76.1	114.1
121	32.4	23.7	35.5





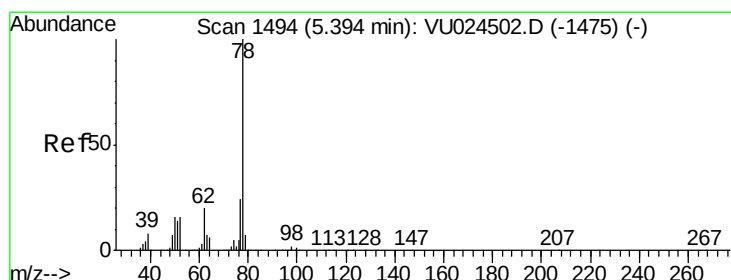
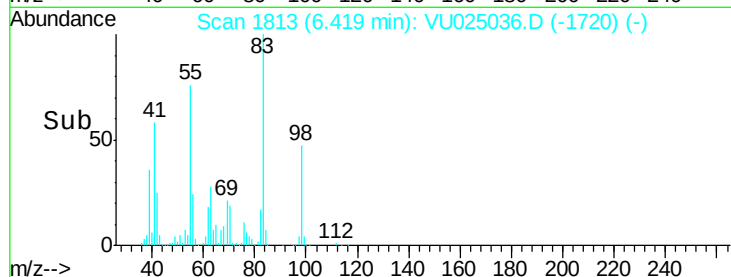
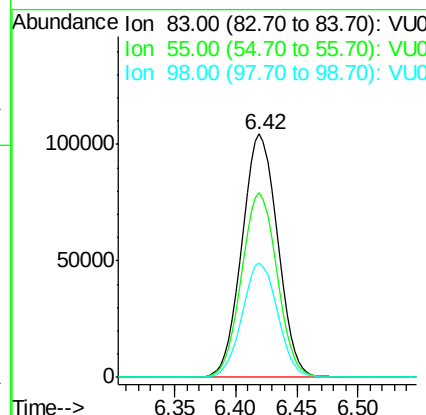
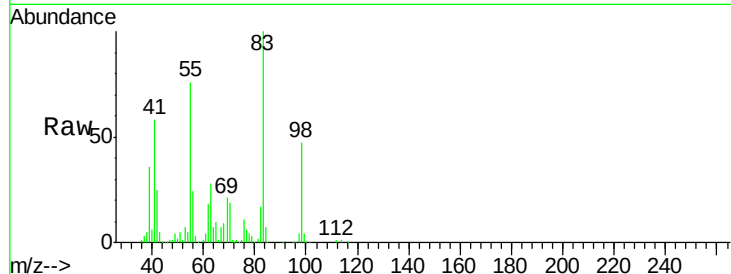
#39
Methylvlcyclohexane
Concen: 50.84 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	211913		
55	75.9	65.8	98.6	
98	46.9	36.7	55.1	

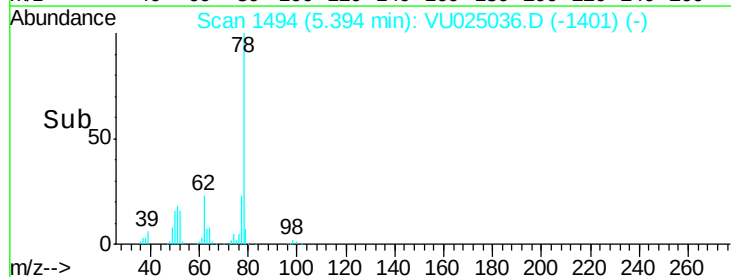
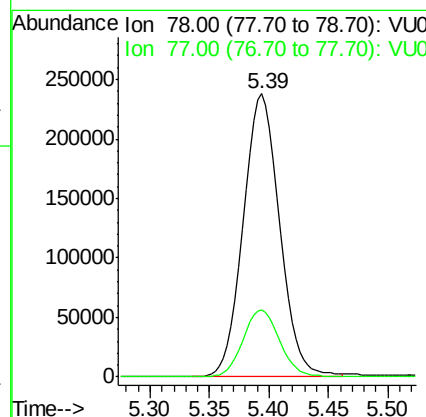
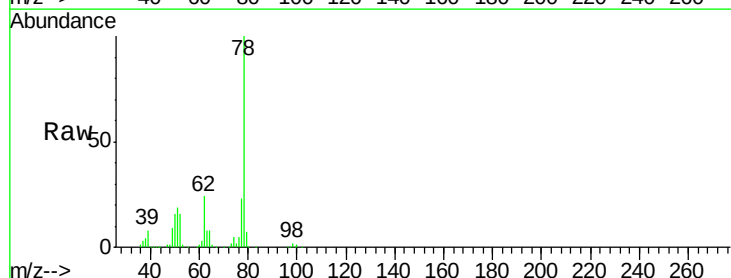
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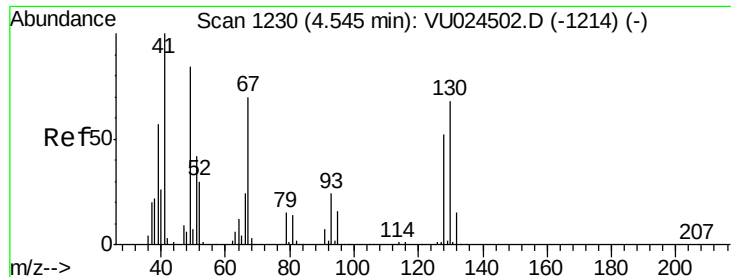
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#40
Benzene
Concen: 53.12 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	505549		
77	23.5	19.2	28.8	





#41

Methacrylonitrile

Concen: 57.04 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 111965

Ion Ratio Lower Upper

41 100

39 56.1 43.8 65.6

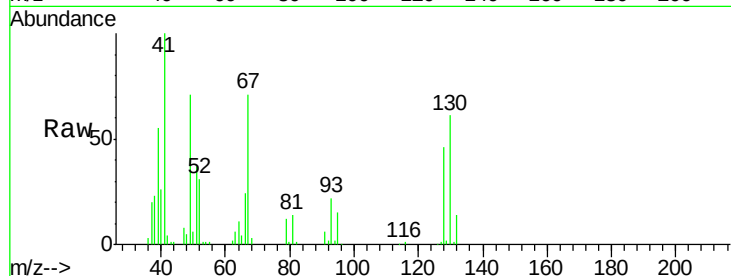
67 72.2 56.3 84.5

52 29.5 23.2 34.8

Manual Integrations
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MMDadoda

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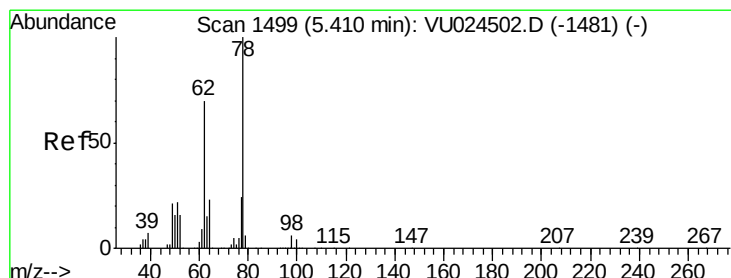
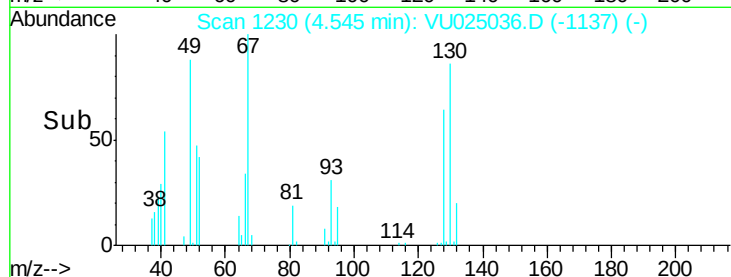
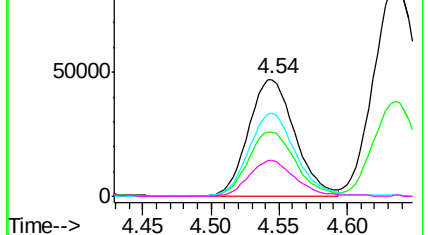


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 57.60 ug/l

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025036.D

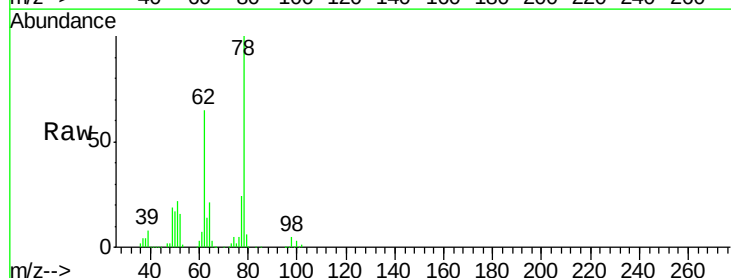
Acq: 28 Jun 2018 21:57

Tgt Ion: 62 Resp: 208781

Ion Ratio Lower Upper

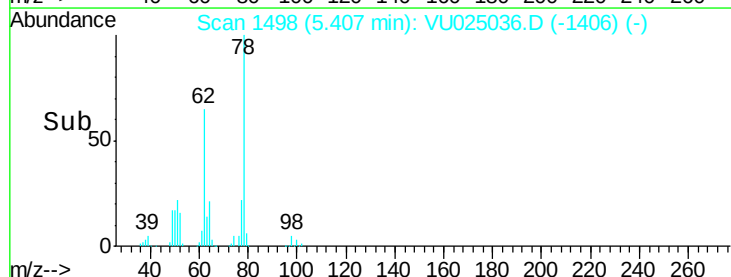
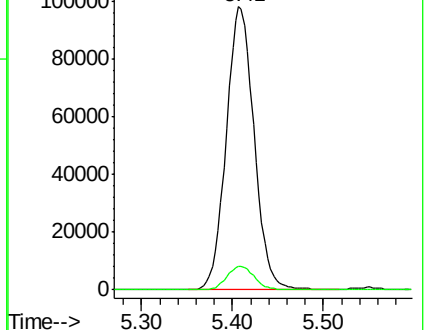
62 100

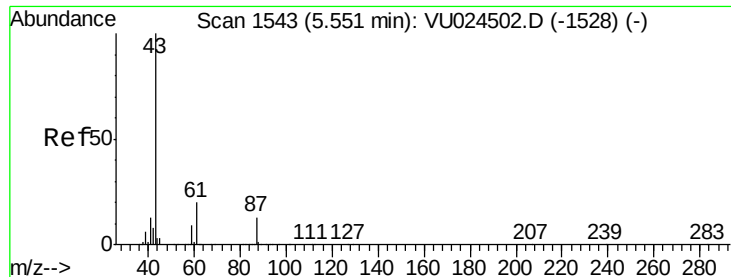
98 8.1 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 51.22 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

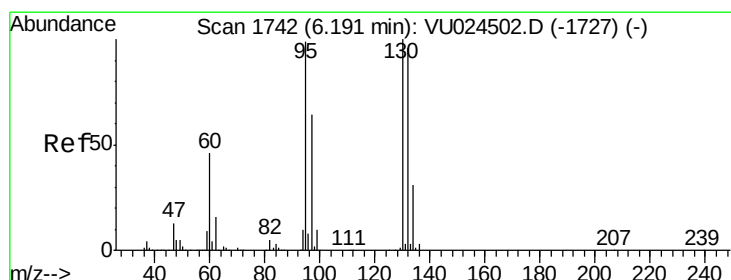
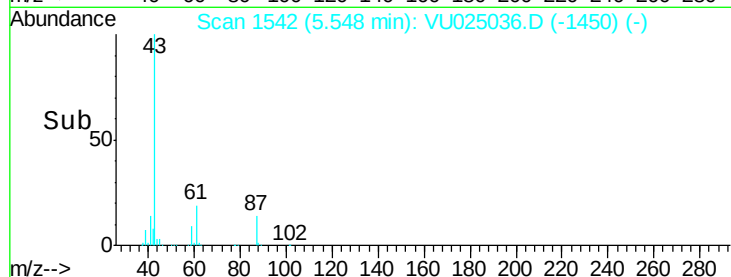
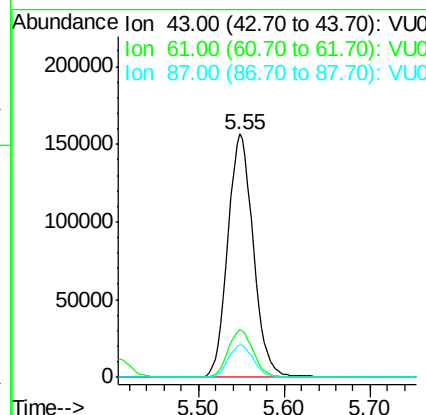
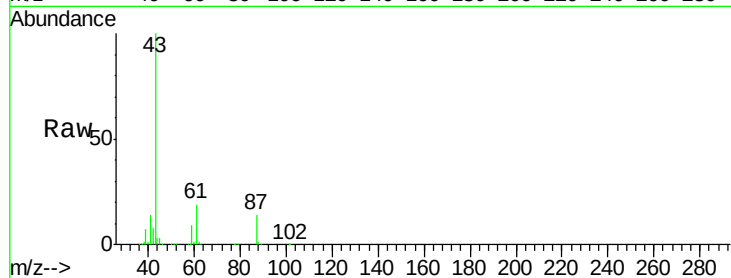
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	322299
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.0
87	13.3	10.0	15.0

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#44

Trichloroethene

Concen: 51.54 ug/l

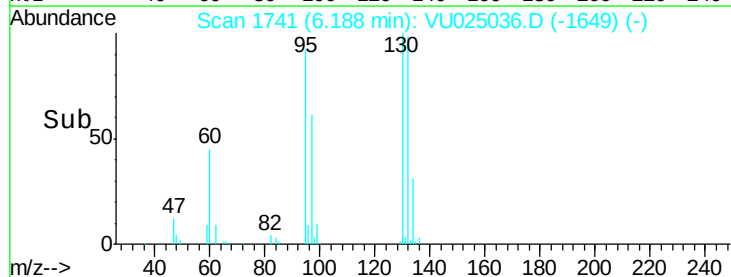
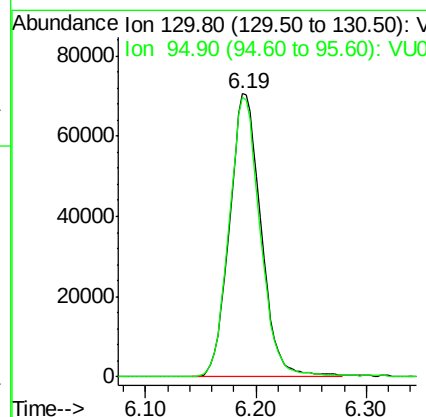
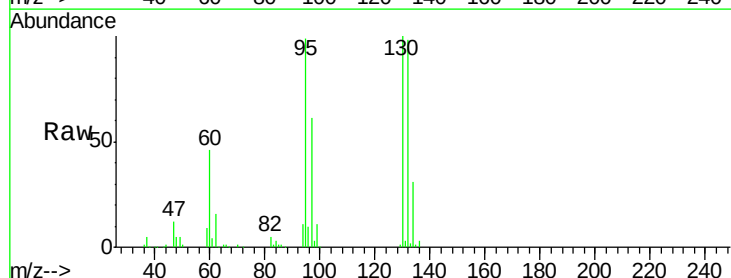
RT: 6.19 min Scan# 1741

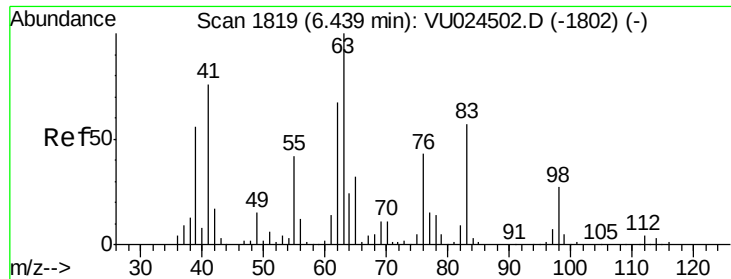
Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Tgt Ion:	130	Resp:	139604
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	202.4





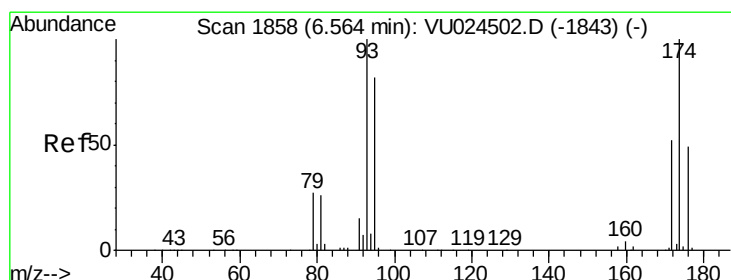
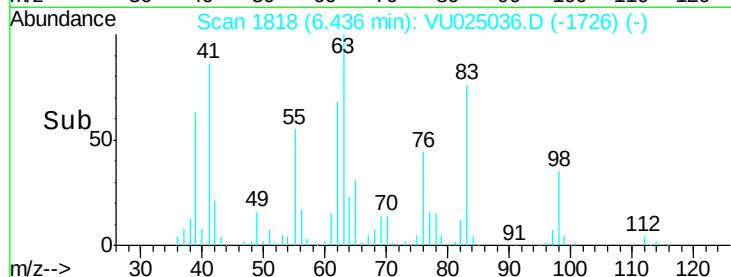
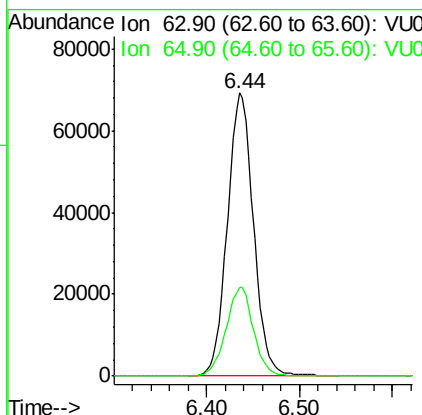
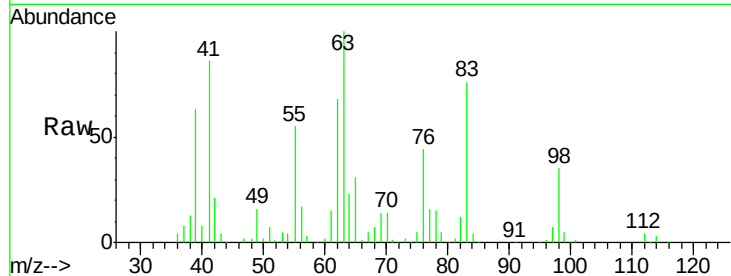
#45
 1,2-Dichloropropane
 Concen: 53.22 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 135155
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.8 37.2

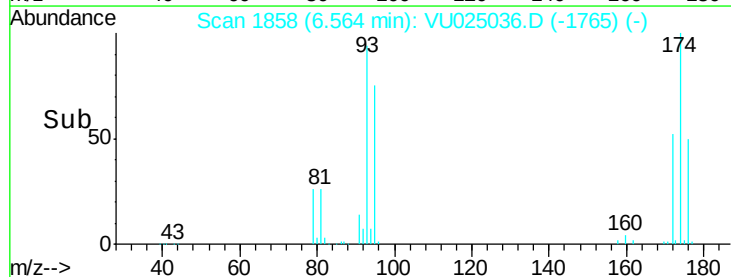
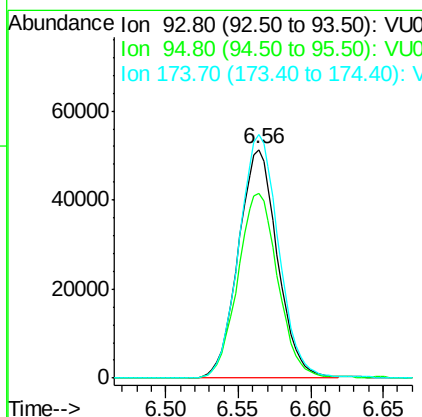
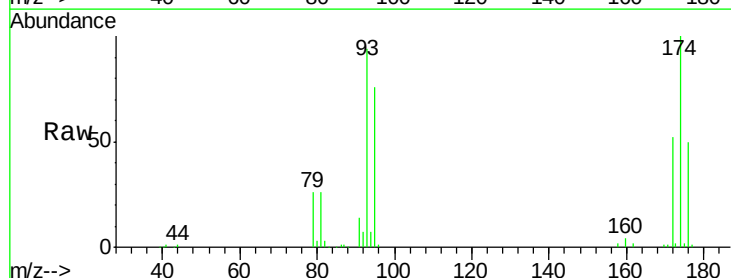
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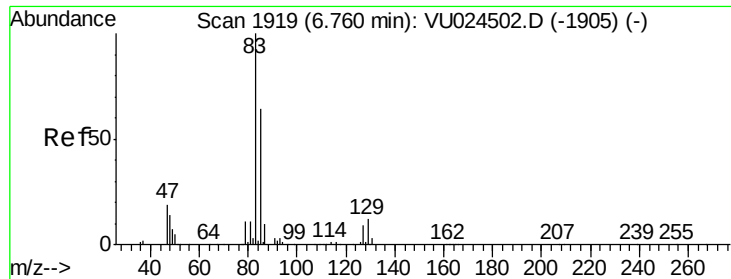
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#46
 Dibromomethane
 Concen: 54.14 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion: 93 Resp: 96566
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.5 98.3
 174 108.2 78.7 118.1





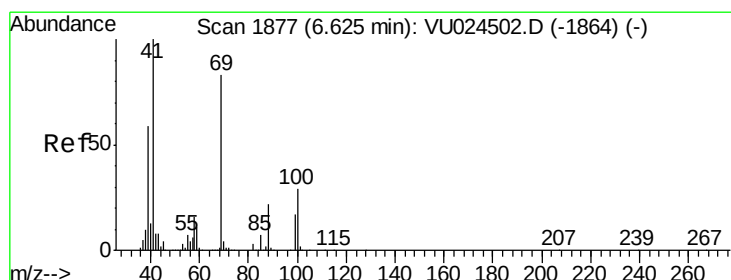
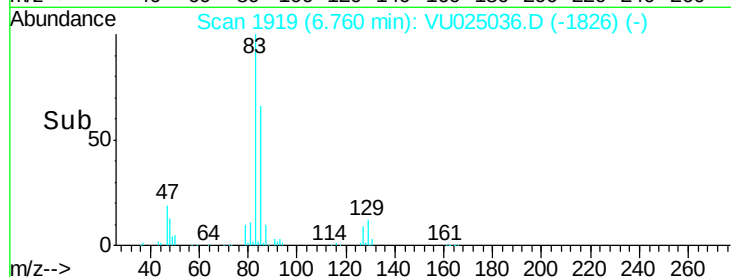
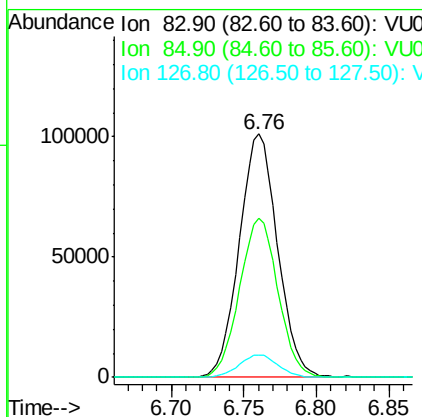
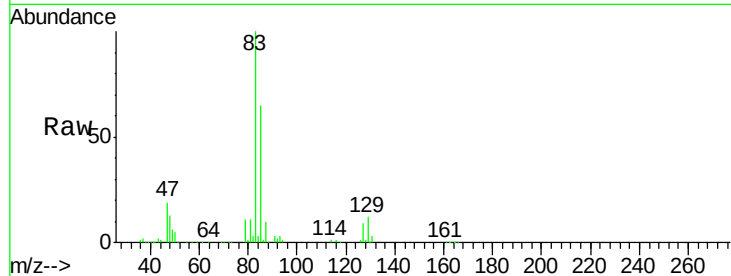
#47
Bromodichloromethane
Concen: 52.37 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	186021		
85	65.2	51.9	77.9	
127	9.3	6.6	9.8	

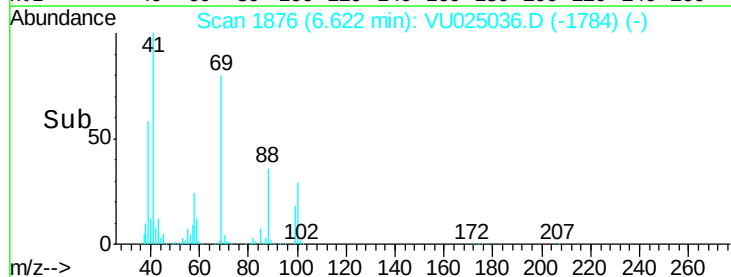
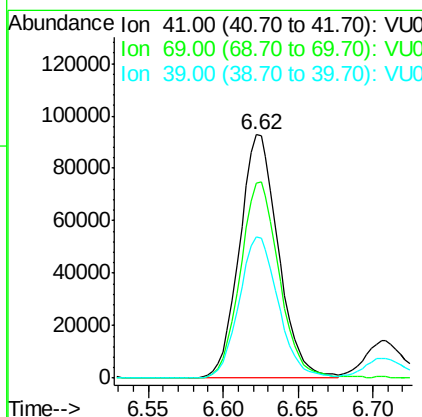
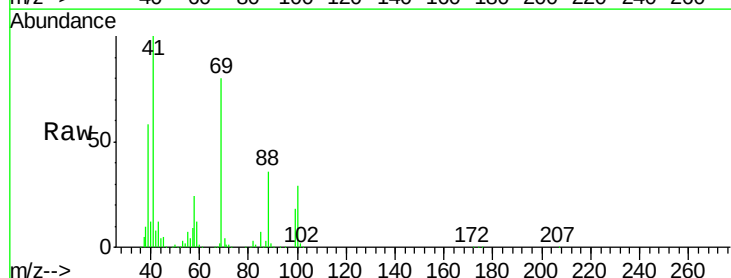
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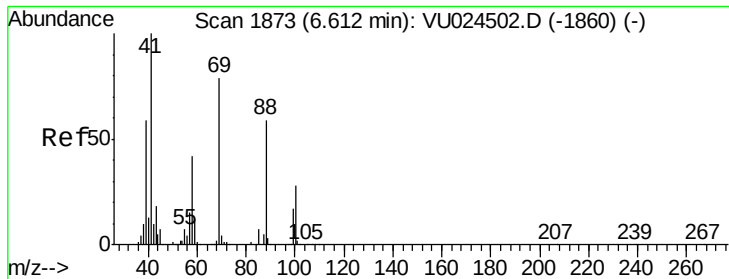
MMDadoda
6/29/2018 4:23:46 PM



#48
Methyl methacrylate
Concen: 54.33 ug/l
RT: 6.62 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	166484		
69	81.2	67.3	100.9	
39	58.7	46.5	69.7	





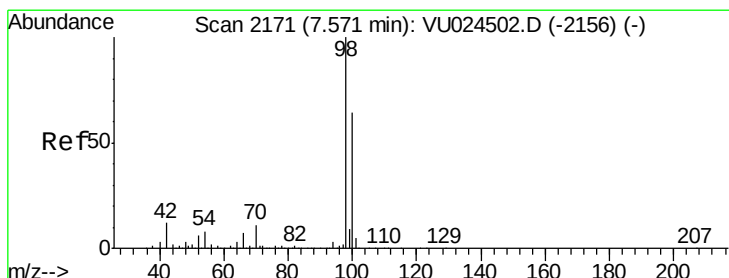
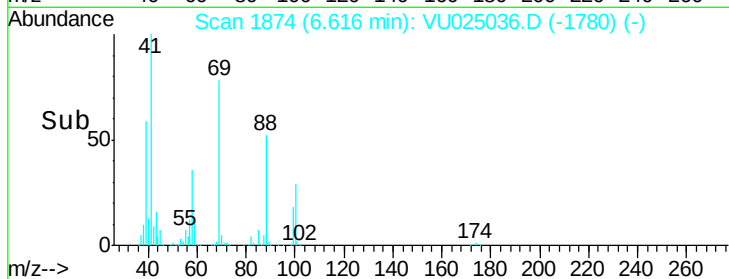
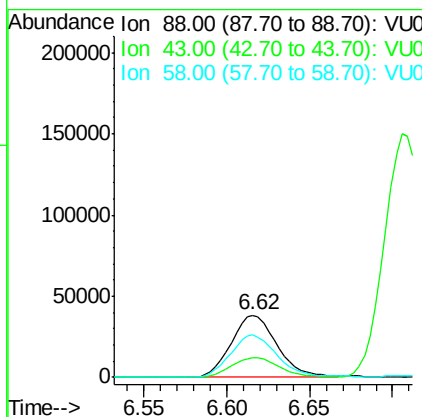
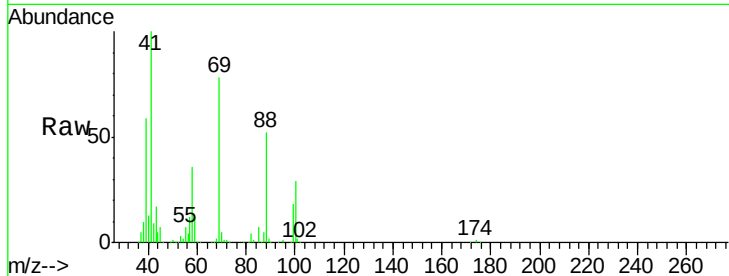
#49
1,4-Dioxane
Concen: 1206.64 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	28.6	42.8
58	72.3	58.2	87.4

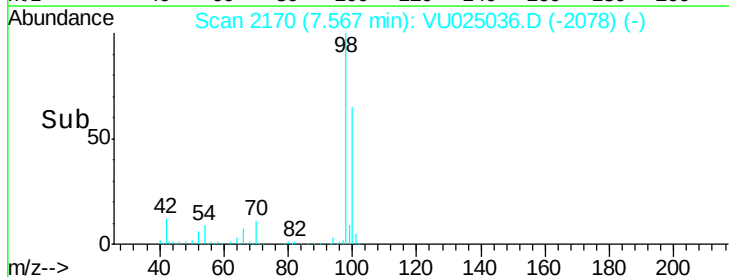
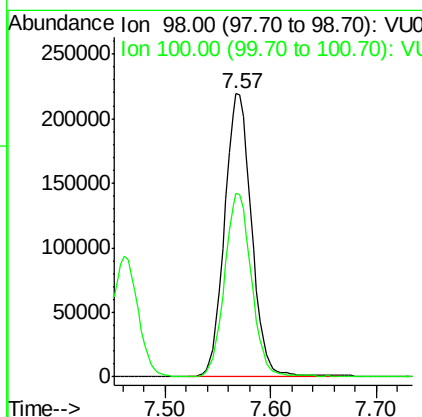
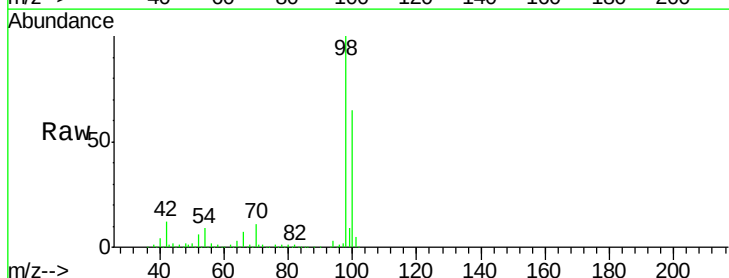
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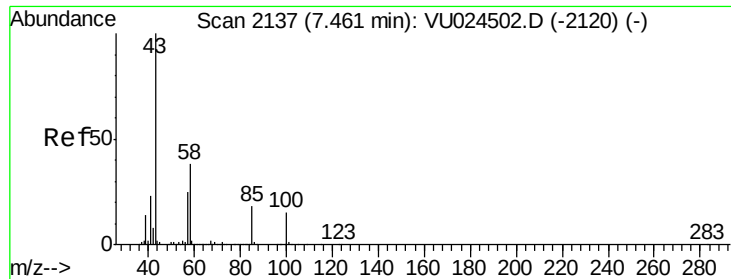
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#50
Toluene-d8
Concen: 45.14 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 263.36 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1041188

Ion Ratio Lower Upper

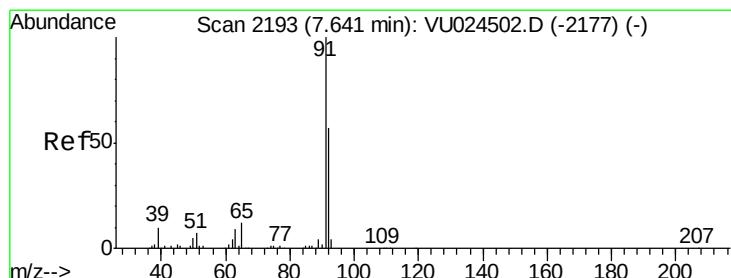
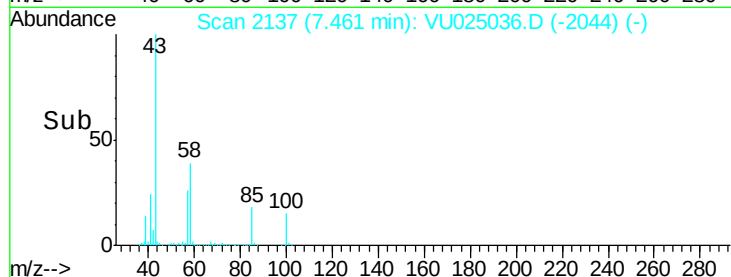
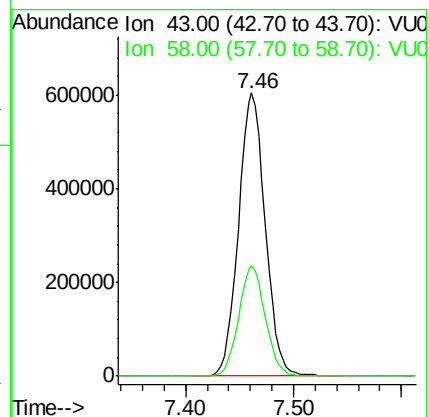
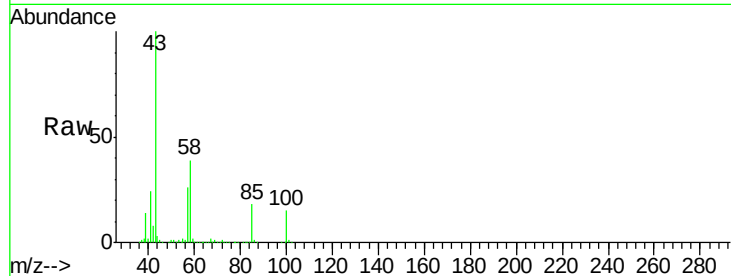
43 100

58 38.8 30.0 45.0

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#52

Toluene

Concen: 53.13 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025036.D

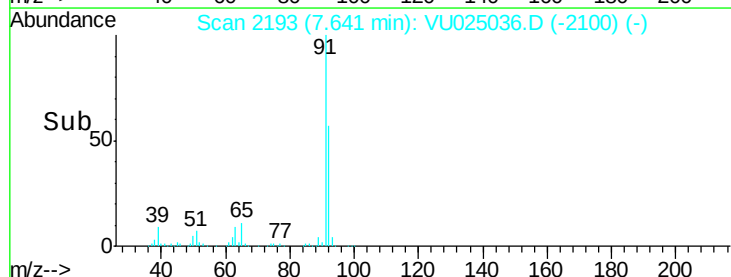
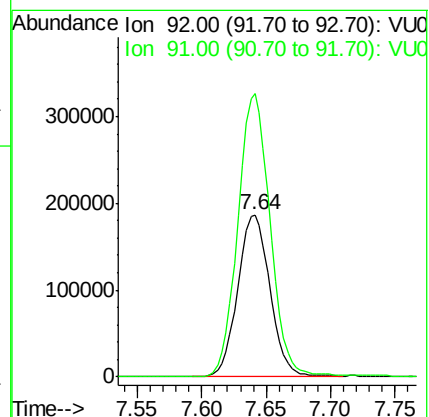
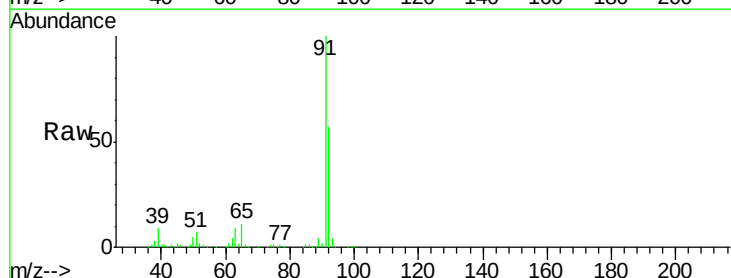
Acq: 28 Jun 2018 21:57

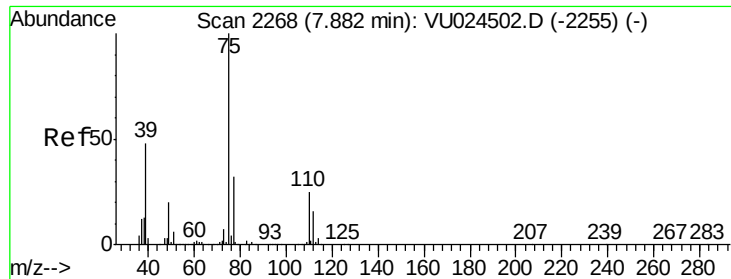
Tgt Ion: 92 Resp: 325334

Ion Ratio Lower Upper

92 100

91 174.6 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 50.68 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 202174

Ion Ratio Lower Upper

75 100

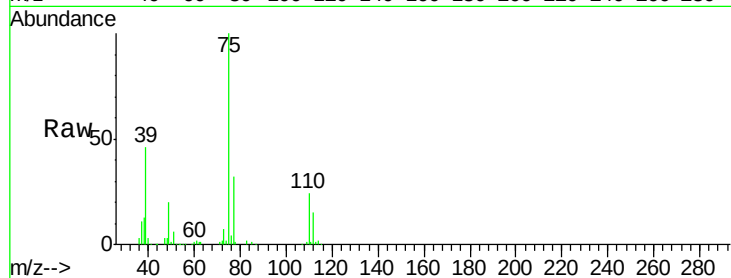
77 31.6 24.8 37.2

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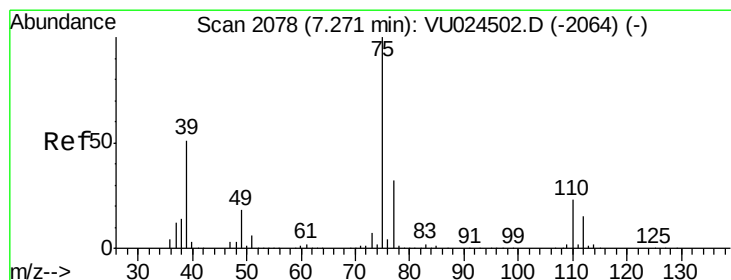
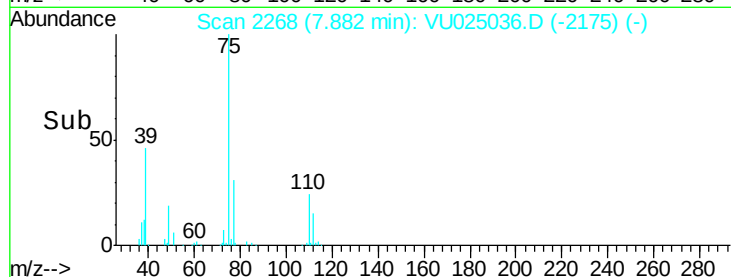
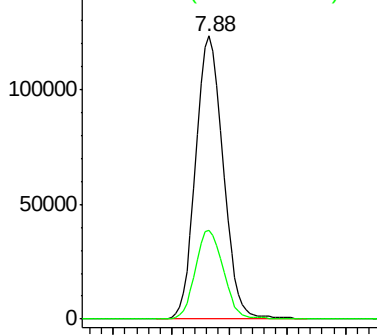
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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 49.74 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

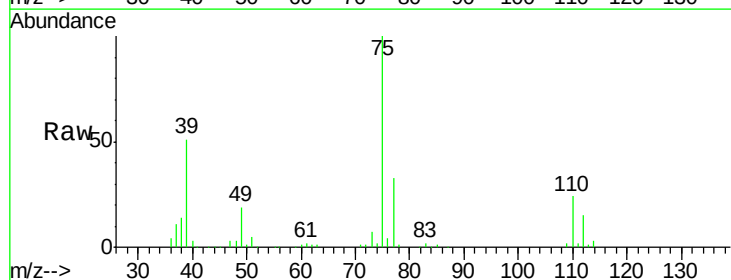
Tgt Ion: 75 Resp: 211409

Ion Ratio Lower Upper

75 100

77 32.6 24.6 36.8

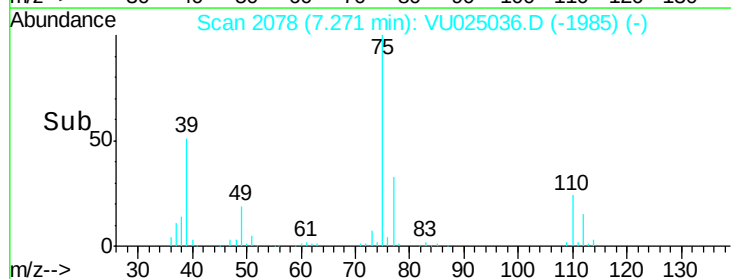
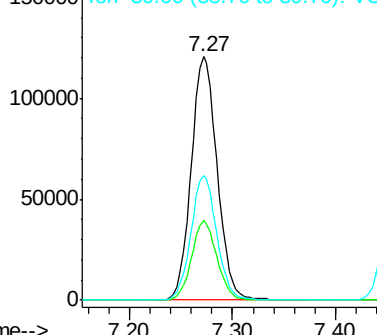
39 51.4 39.8 59.6

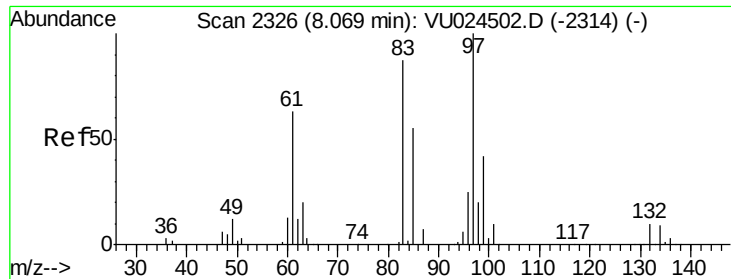


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





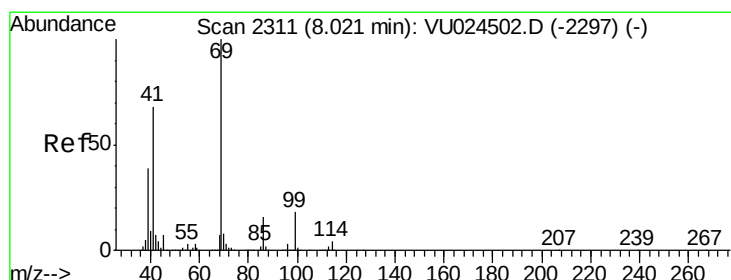
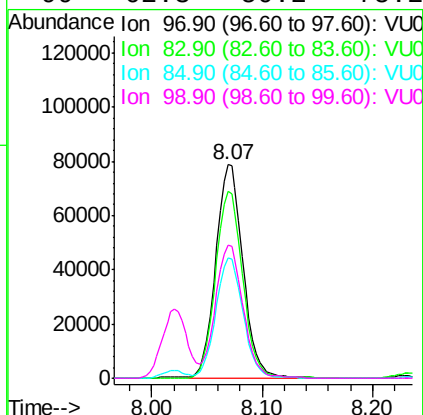
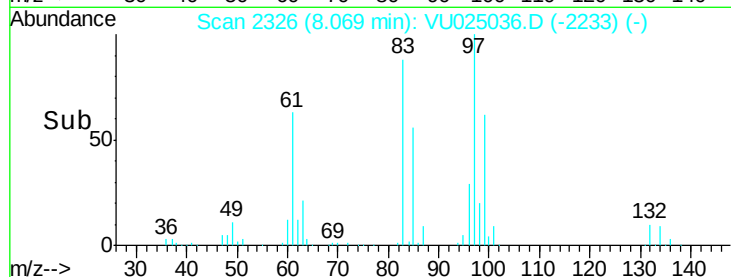
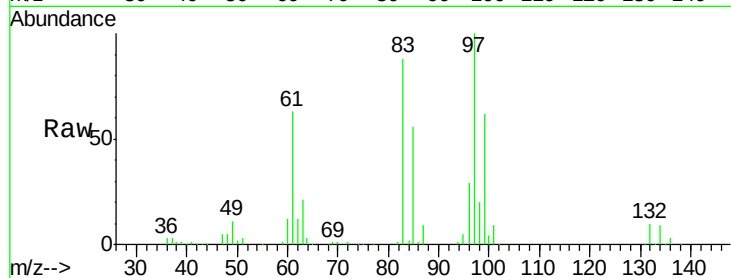
#55
 1,1,2-Trichloroethane
 Concen: 53.76 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	87.5	70.5	105.7		
85	56.3	46.4	69.6		
99	62.3	50.2	75.2		

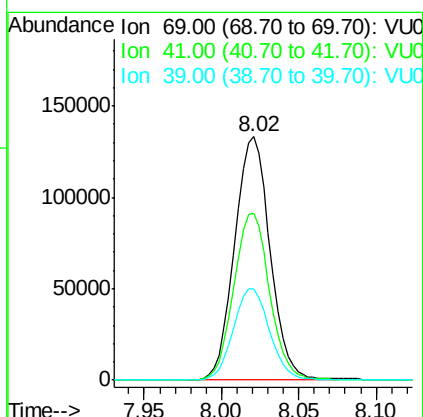
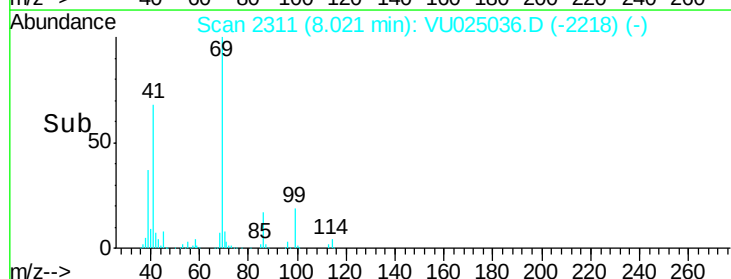
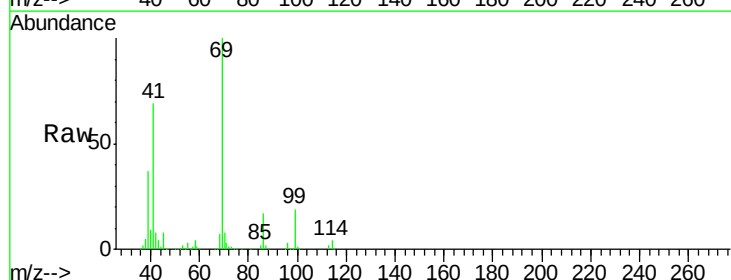
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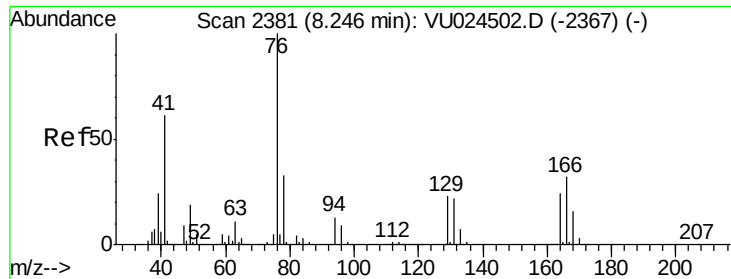
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#56
 Ethyl methacrylate
 Concen: 50.90 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	69.3	54.1	81.1		
39	38.2	30.3	45.5		





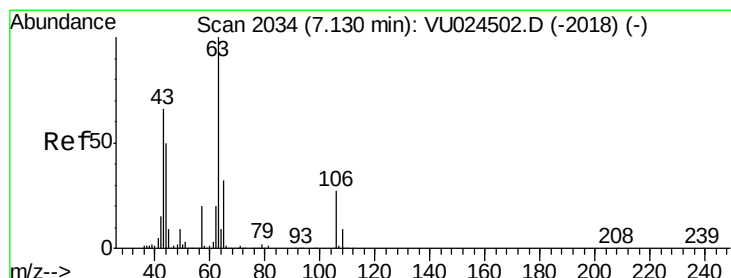
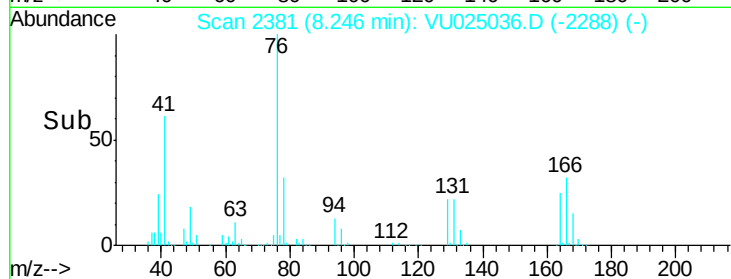
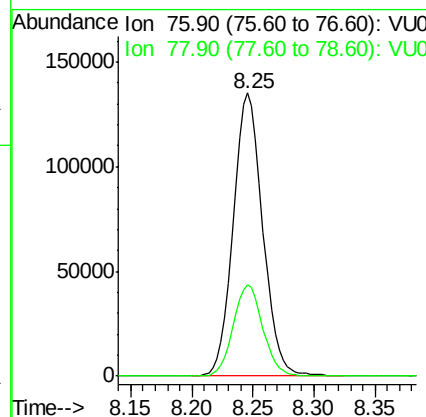
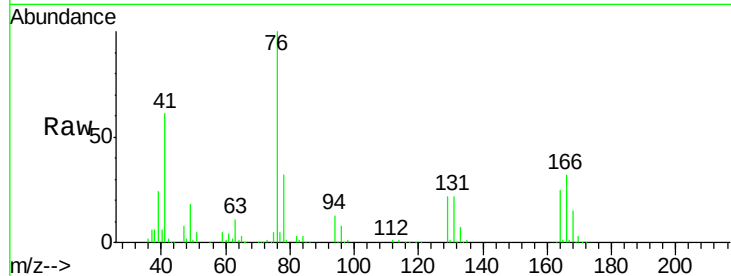
#57
 1,3-Dichloropropane
 Concen: 54.27 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 227890
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.2 37.8

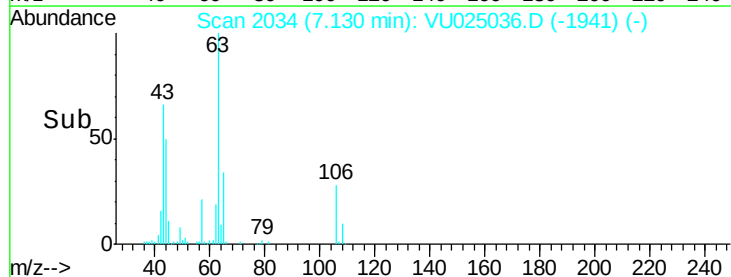
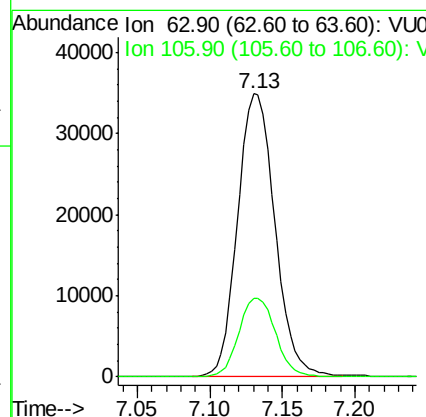
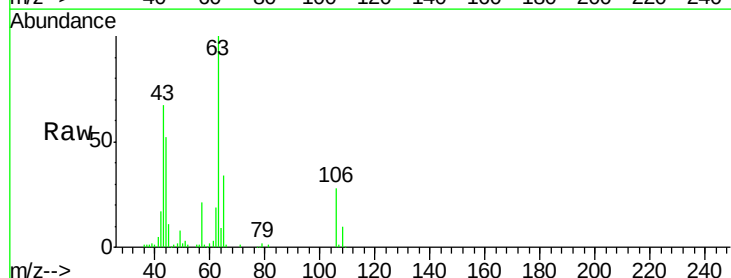
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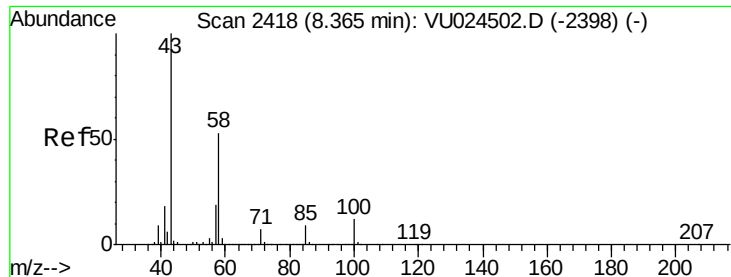
MMDadoda
 6/29/2018 4:23:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 39.33 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion: 63 Resp: 62767
 Ion Ratio Lower Upper
 63 100
 106 27.2 20.2 30.2





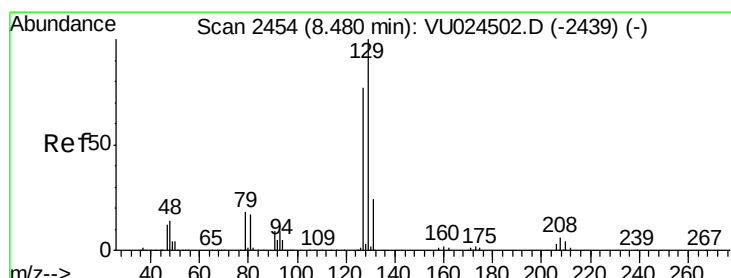
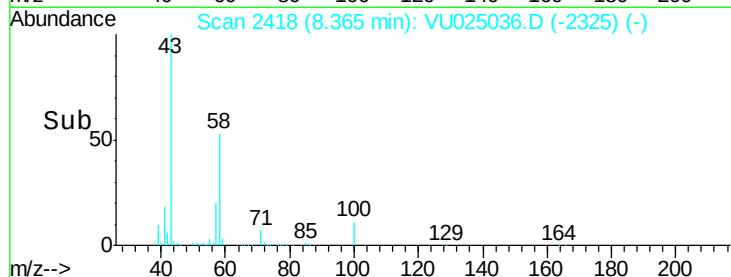
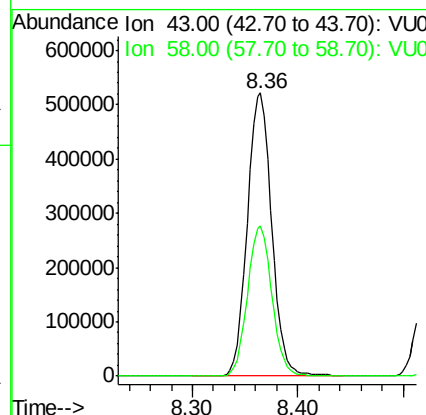
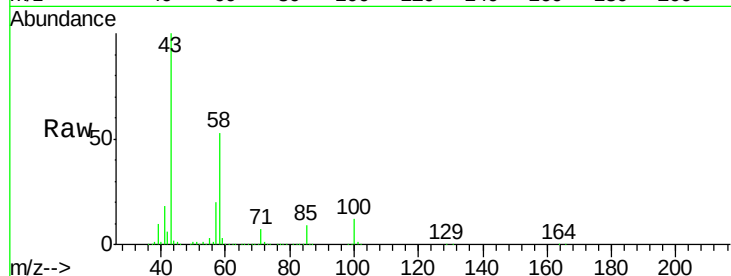
#59
2-Hexanone
Concen: 260.22 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	26.4	79.0

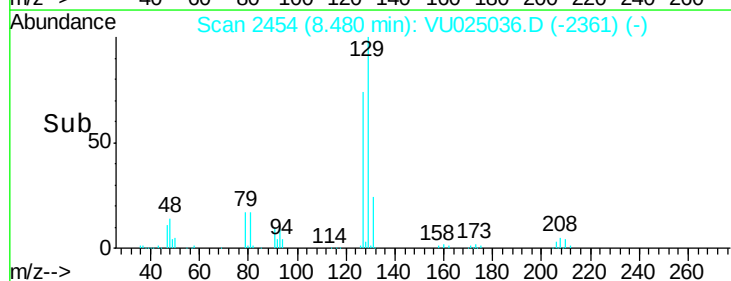
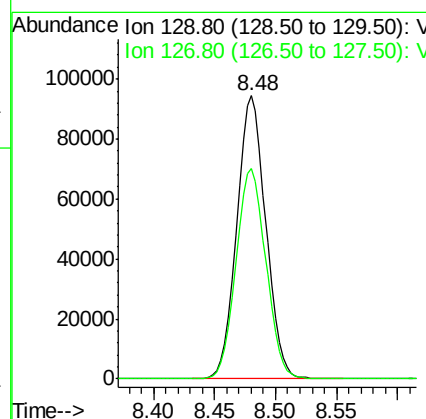
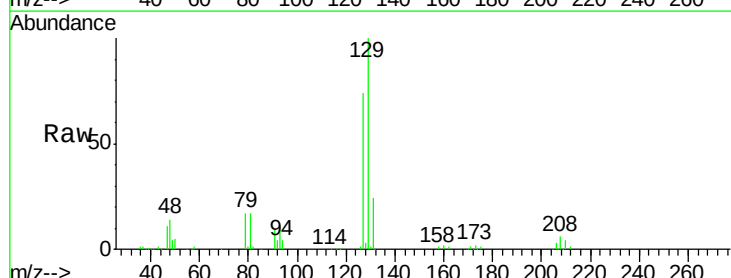
Manual Integrations
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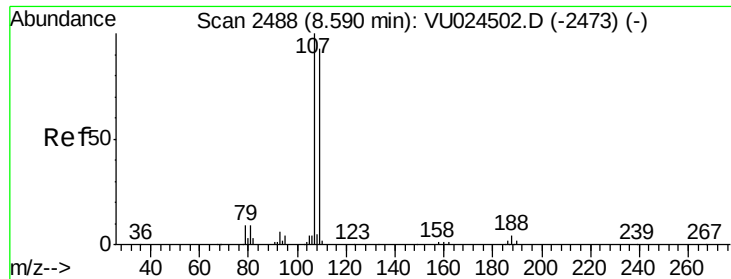
MMDadoda
6/29/2018 4:23:46 PM



#60
Dibromochloromethane
Concen: 50.34 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.6	116.0





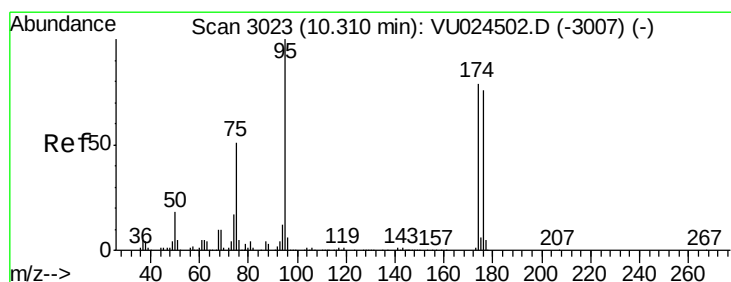
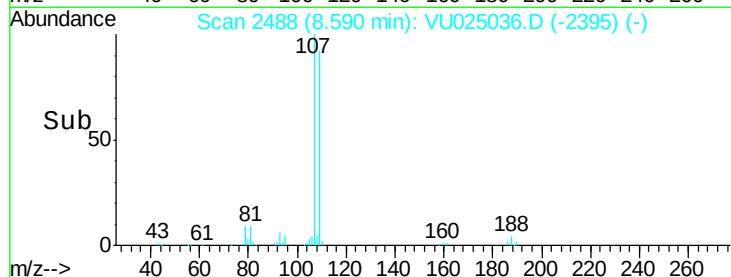
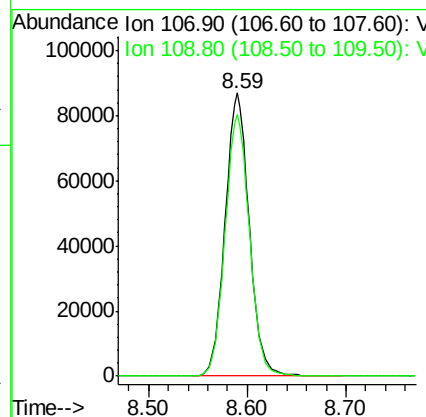
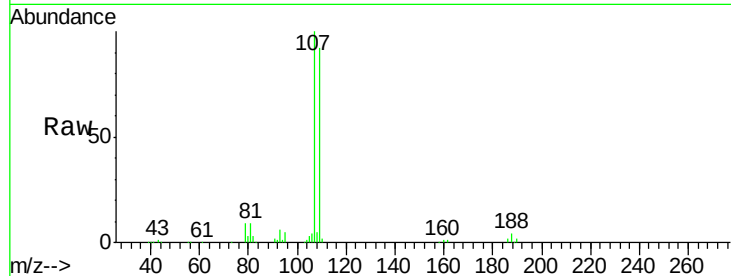
#61
 1,2-Dibromoethane
 Concen: 53.84 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	149148		
109	93.7	74.5	111.7	

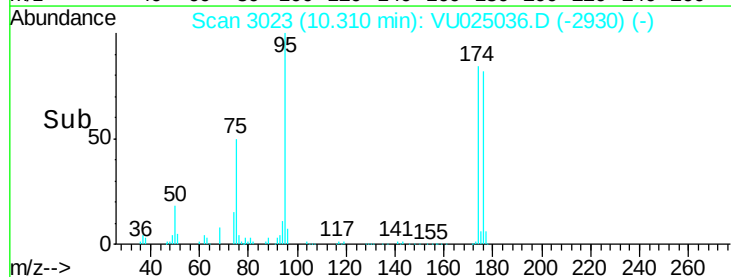
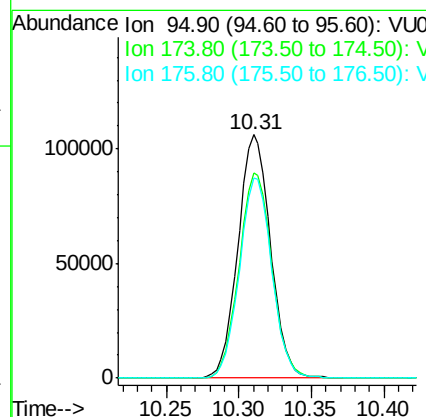
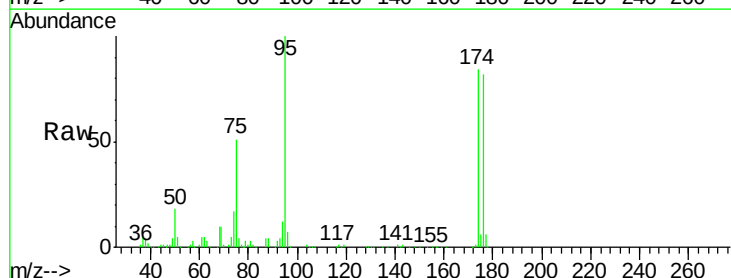
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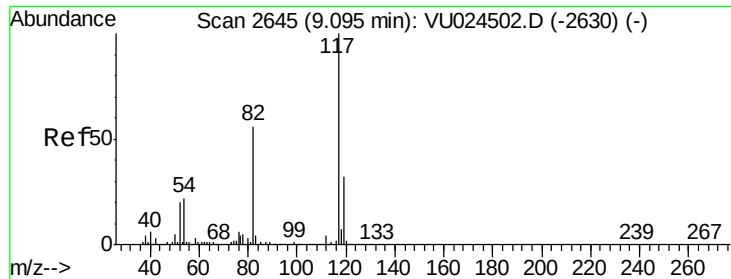
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 48.48 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	165644		
174	85.1	0.0	165.8	
176	81.9	0.0	159.4	





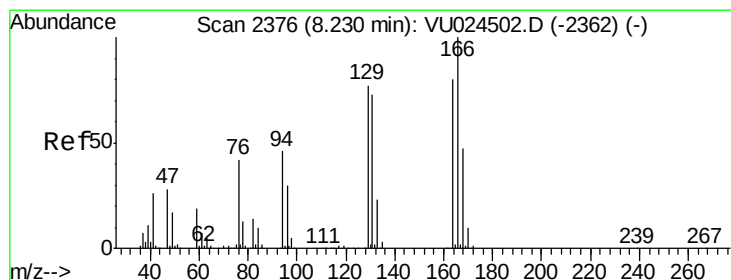
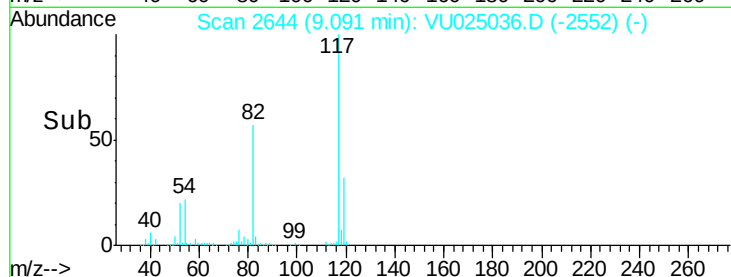
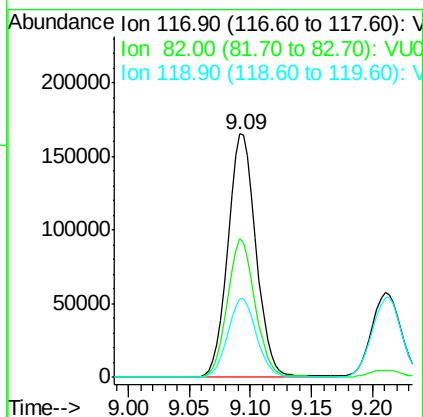
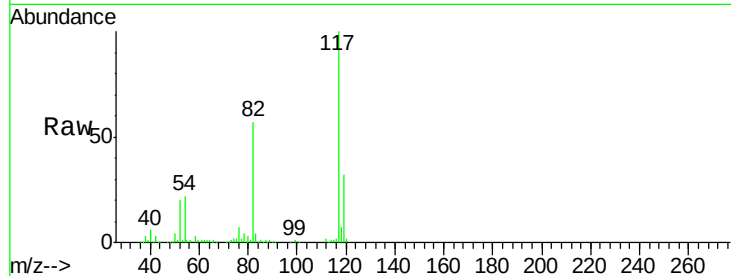
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	267789		
82	56.7		44.3	66.5
119	32.1		25.4	38.2

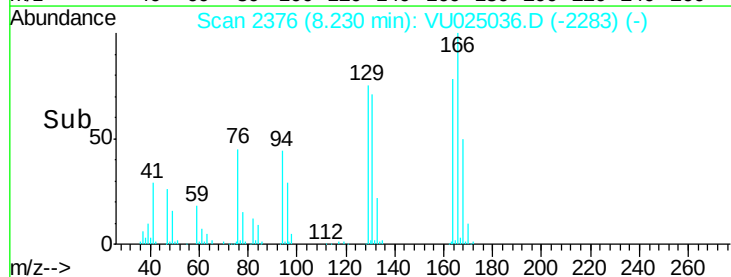
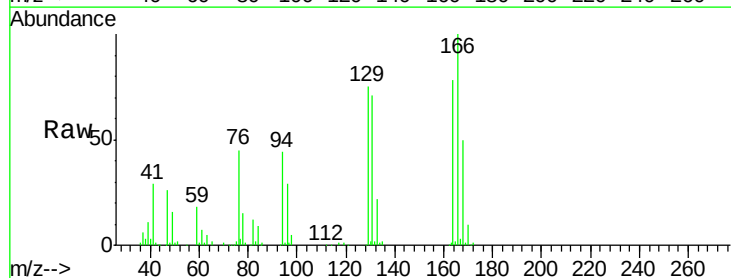
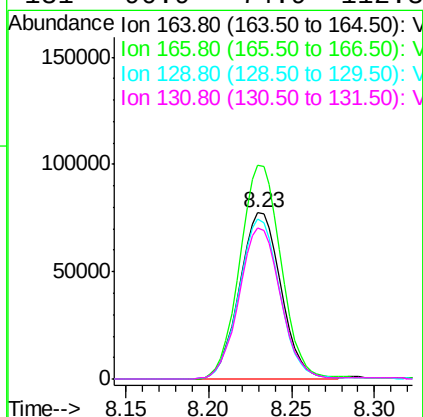
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APPROVED

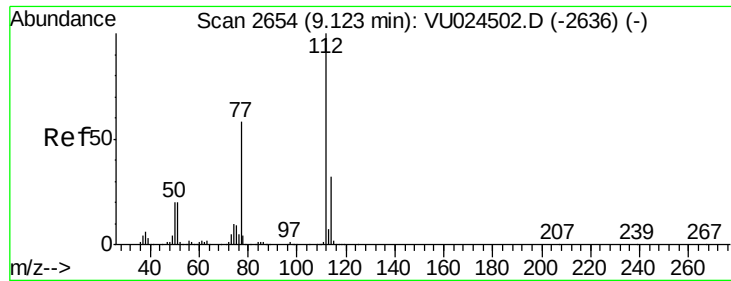
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#64
Tetrachloroethene
Concen: 53.07 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	135088		
166	128.4		101.7	152.5
129	96.6		76.9	115.3
131	90.9		74.9	112.3





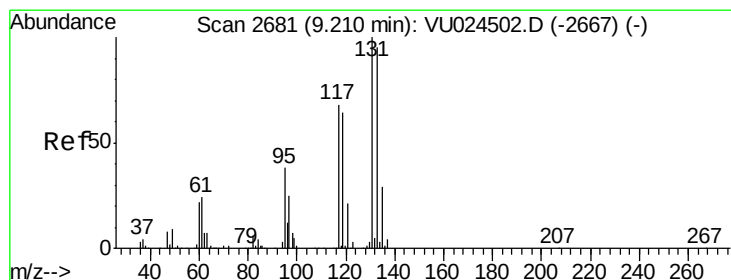
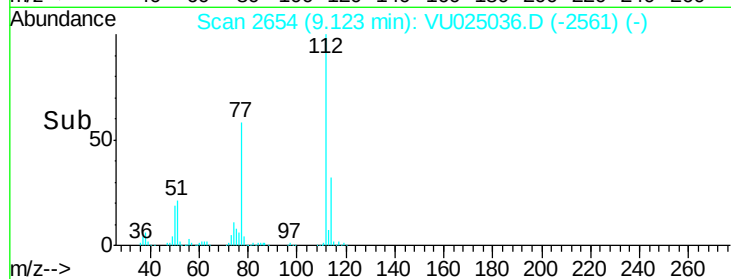
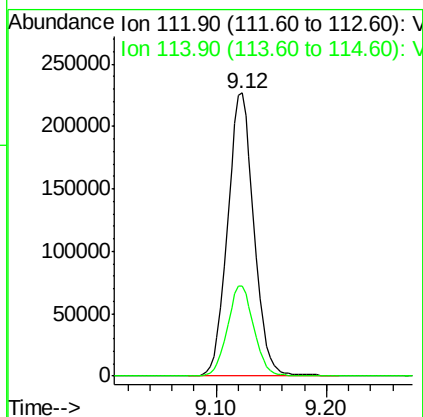
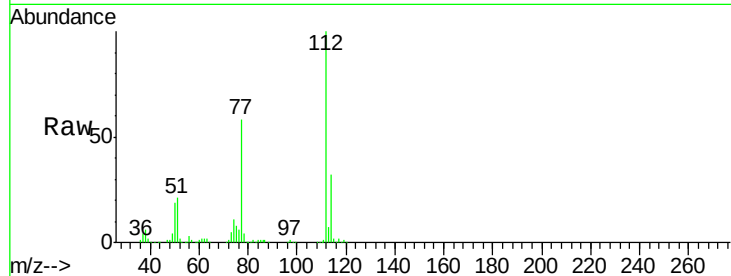
#65
Chlorobenzene
Concen: 54.77 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.6	38.4

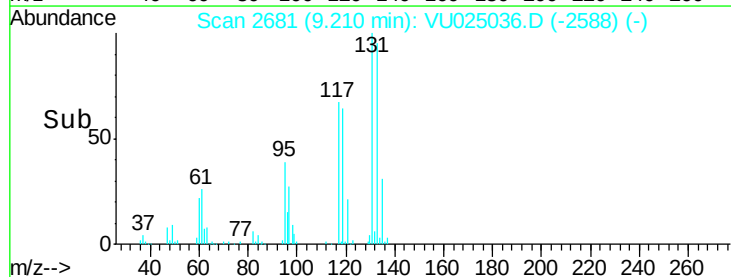
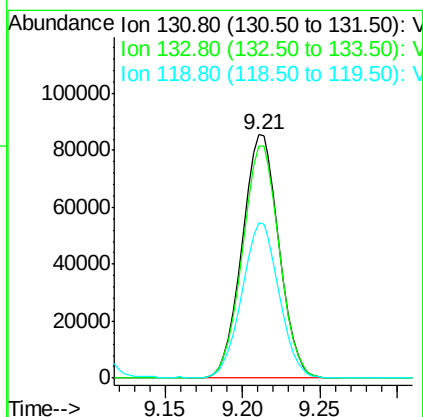
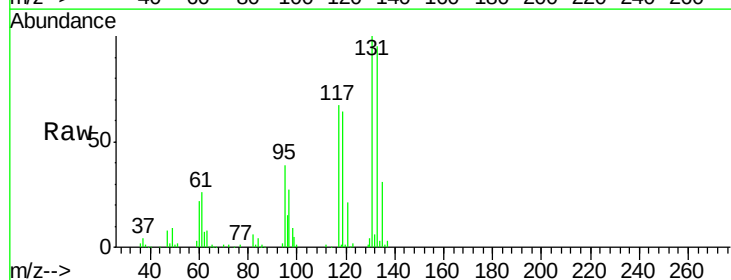
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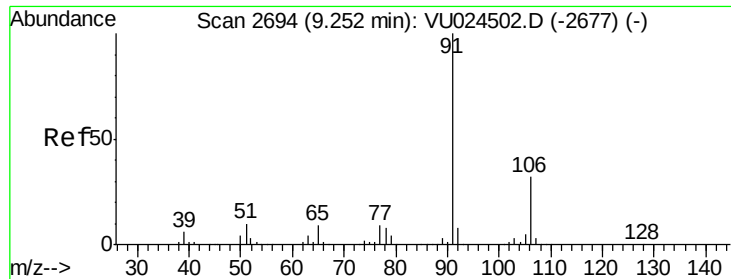
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.59 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	46.9	140.8
119	64.1	33.5	100.4





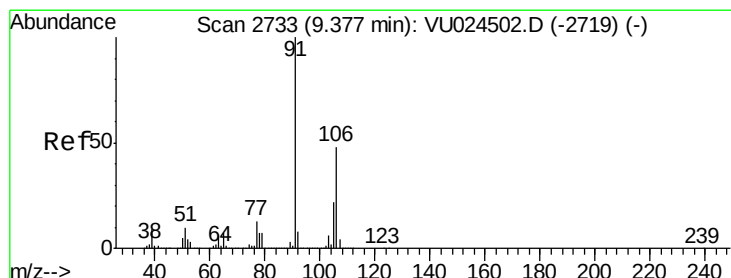
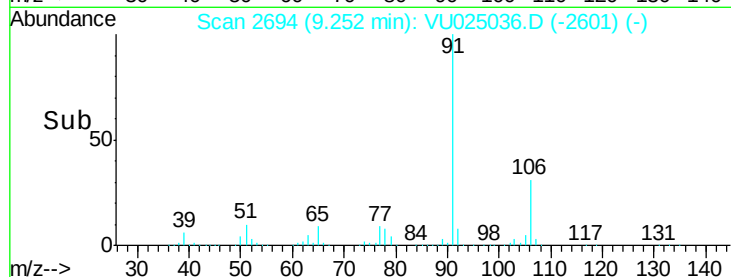
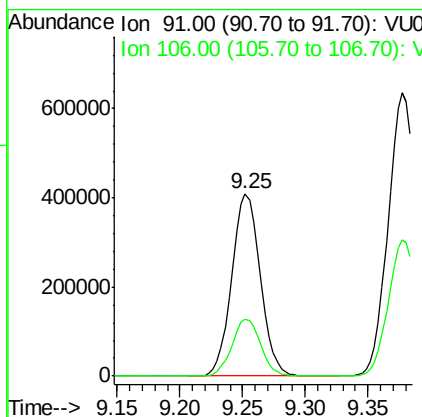
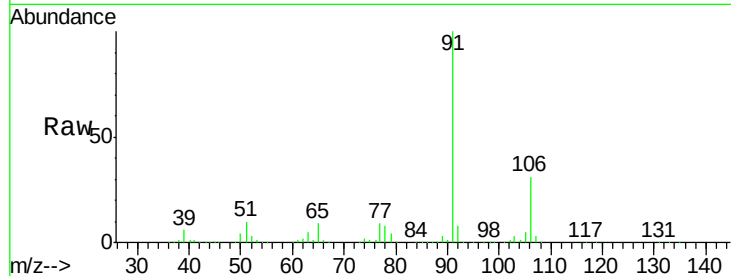
#67
Ethyl Benzene
Concen: 54.10 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 648764
Ion Ratio Lower Upper
91 100
106 31.4 24.2 36.4

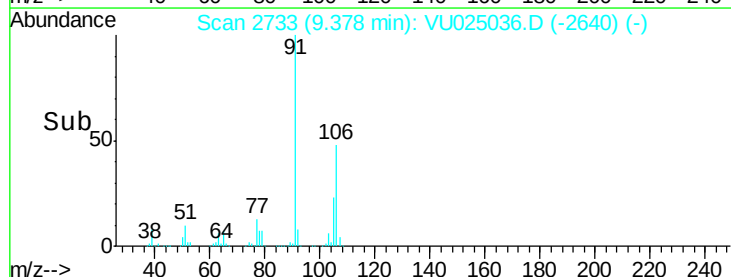
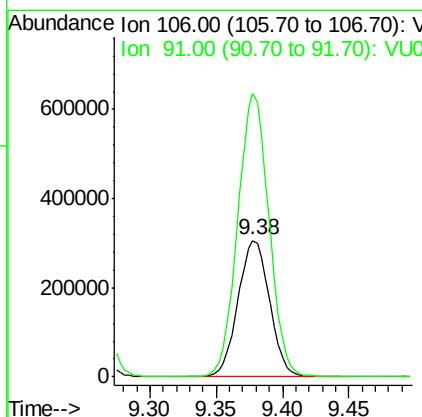
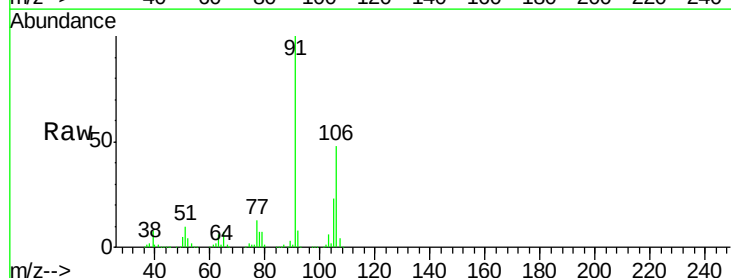
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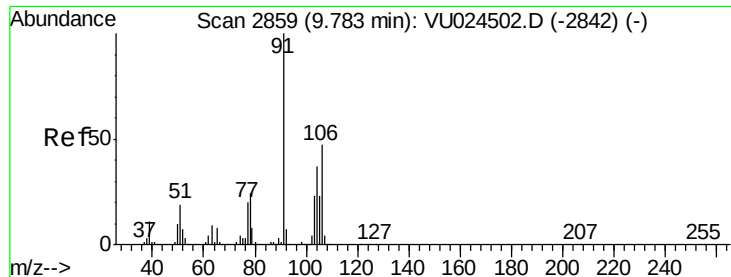
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#68
m/p-Xylenes
Concen: 109.92 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion: 106 Resp: 506220
Ion Ratio Lower Upper
106 100
91 205.8 166.5 249.7





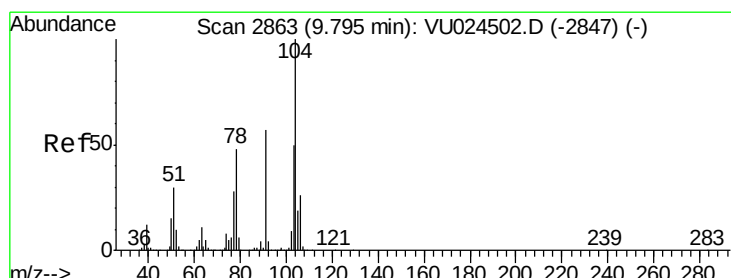
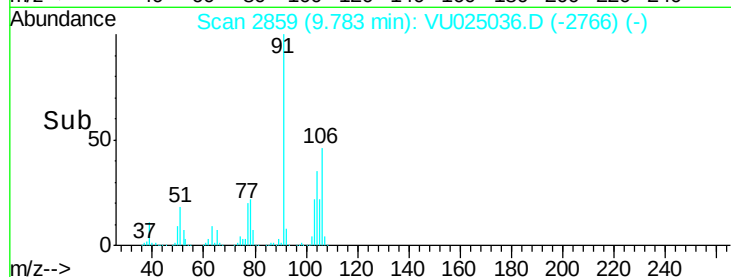
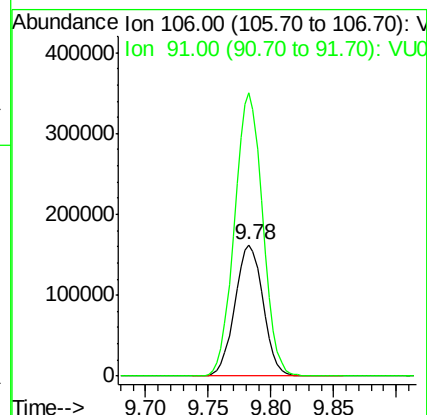
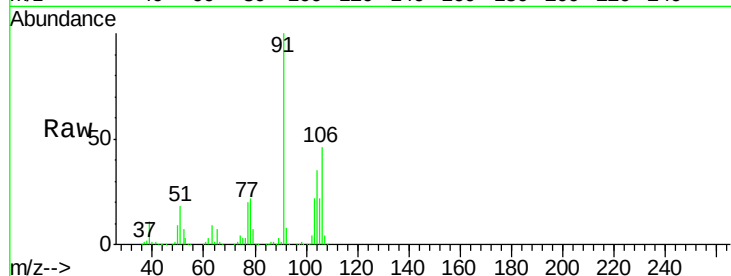
#69
o-Xylene
Concen: 55.76 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	215.4	110.7	331.9

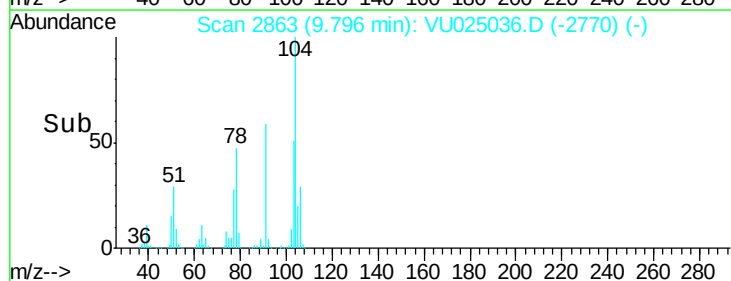
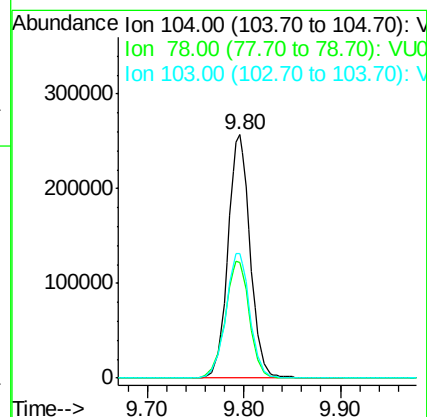
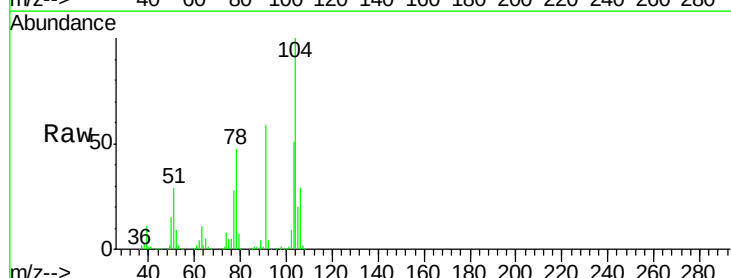
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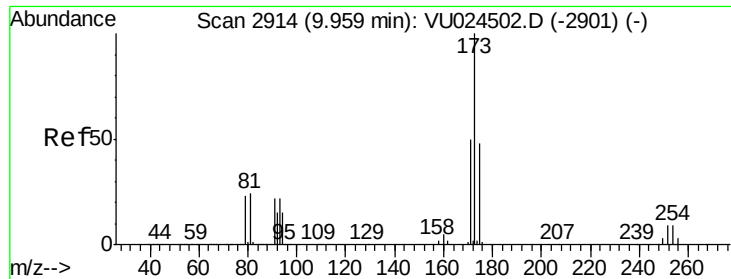
MMDadoda
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#70
Styrene
Concen: 54.18 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	52.4	40.6	60.8
103	103	55.4	44.7	67.1





#71

Bromoform

Concen: 50.30 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

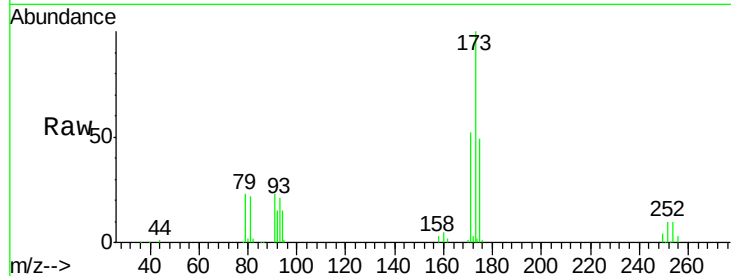
ClientSampleId :

VSTDCCC050

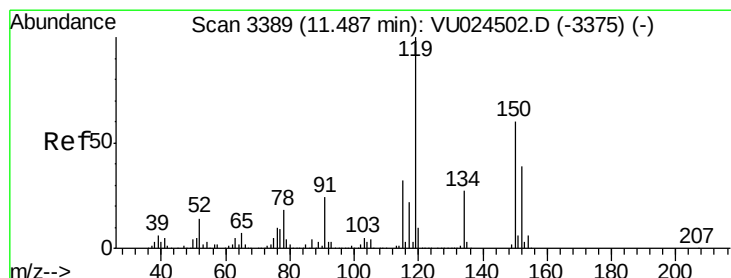
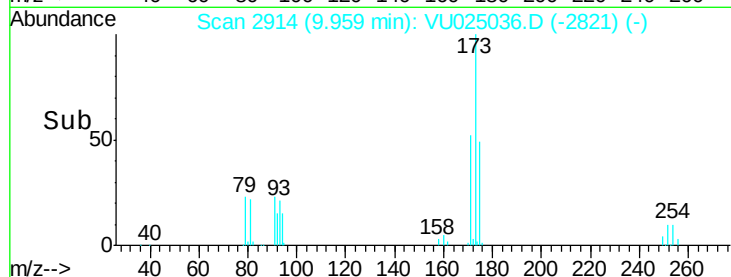
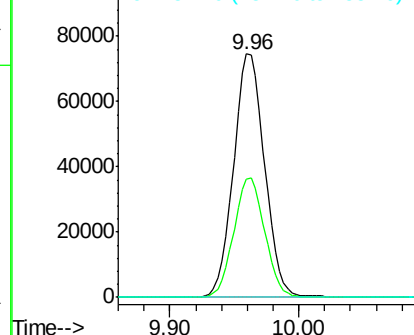
Tot Ion:	173	Resp:	124255
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.6	74.0
254	0.0	0.0	0.0#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

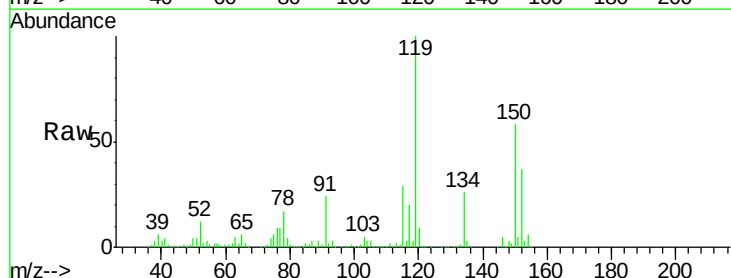
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

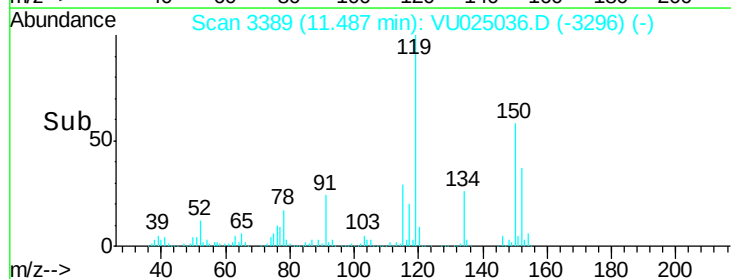
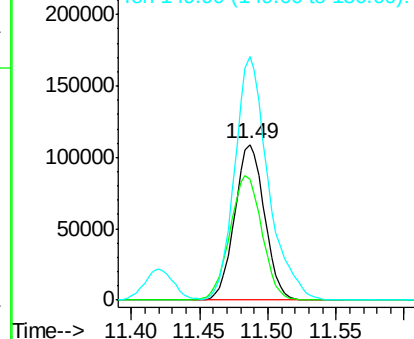
Lab File: VU025036.D

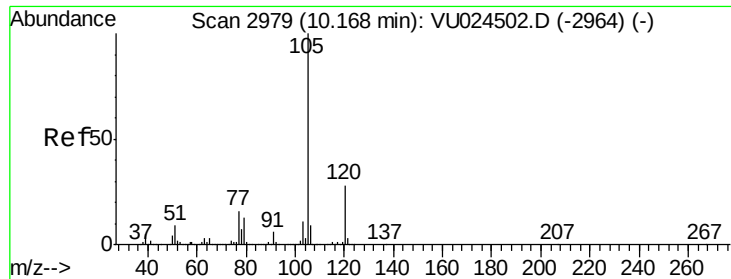
Acq: 28 Jun 2018 21:57

Tgt Ion:	152	Resp:	165349
Ion Ratio	Lower	Upper	
152	100		
115	85.8	43.0	129.0
150	175.8	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: 53.62 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 680680

Ion Ratio Lower Upper

105 100

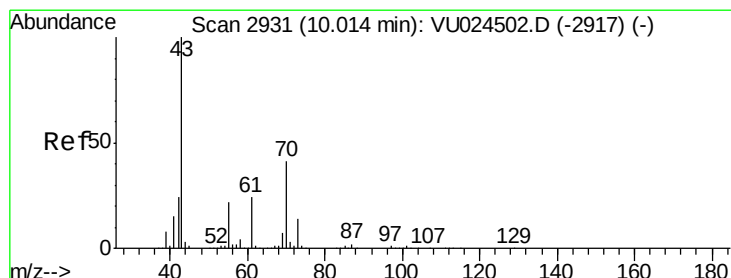
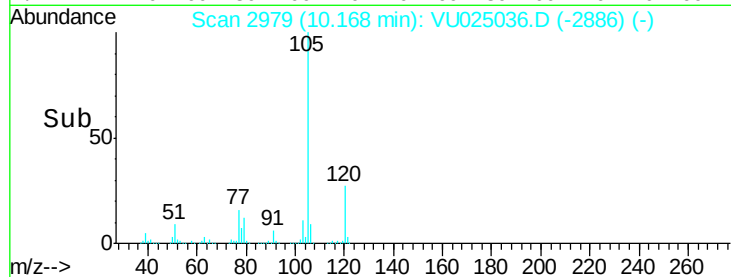
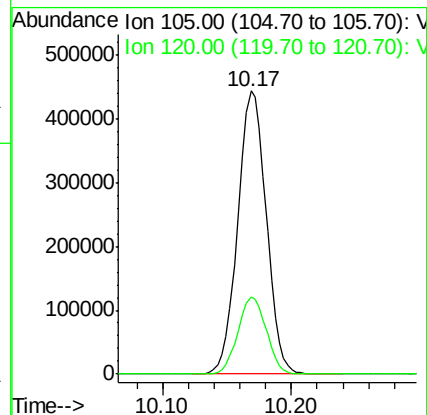
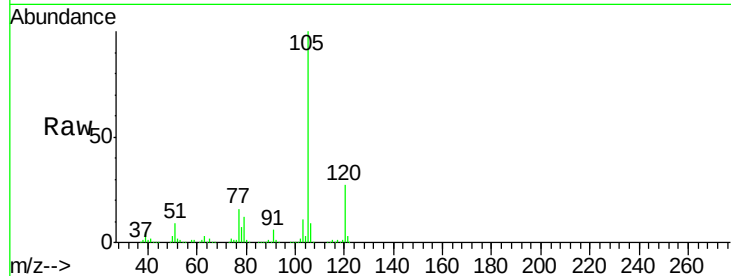
120 27.3 13.2 39.6

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#74

N-ethyl acetate

Concen: 48.40 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Tgt Ion: 43 Resp: 292230

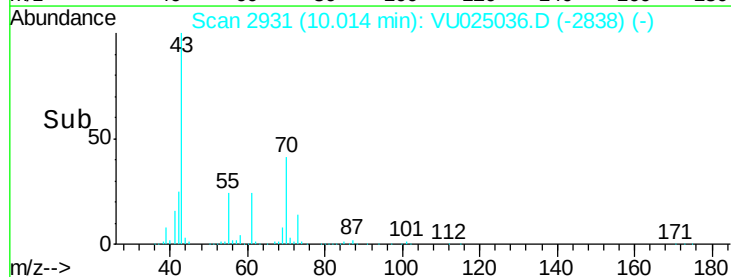
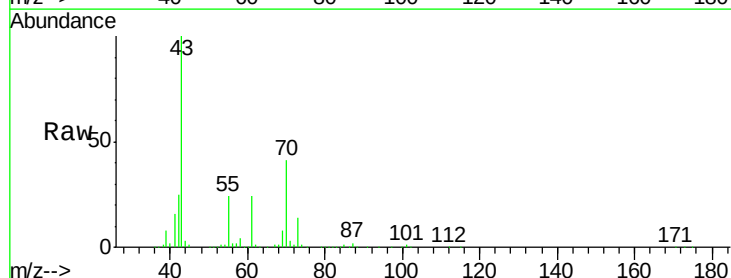
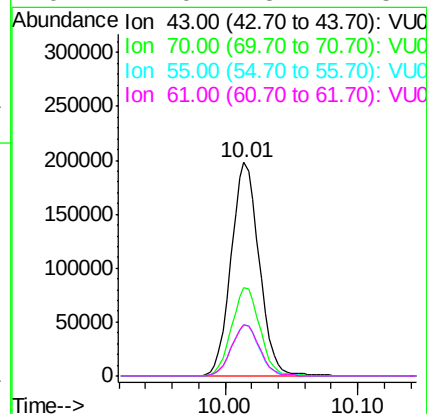
Ion Ratio Lower Upper

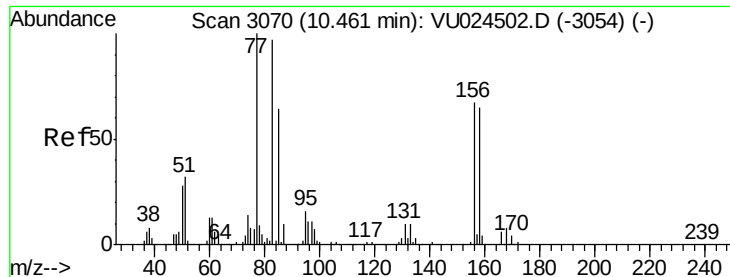
43 100

70 41.7 32.2 48.4

55 24.2 20.5 30.7

61 24.0 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 53.72 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 228525
Ion Ratio Lower Upper

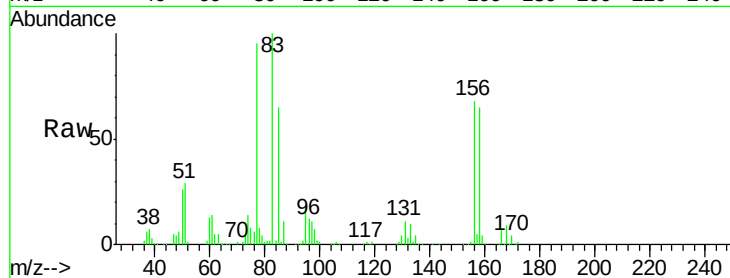
83 100

131 10.8 4.7 14.1

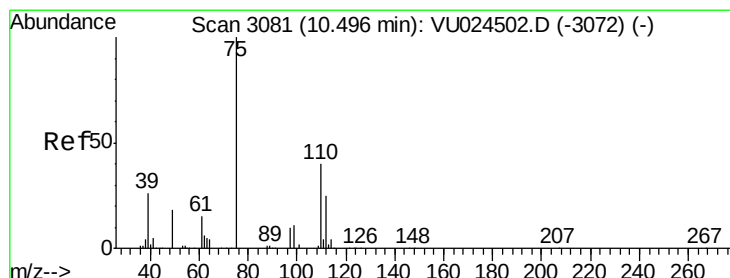
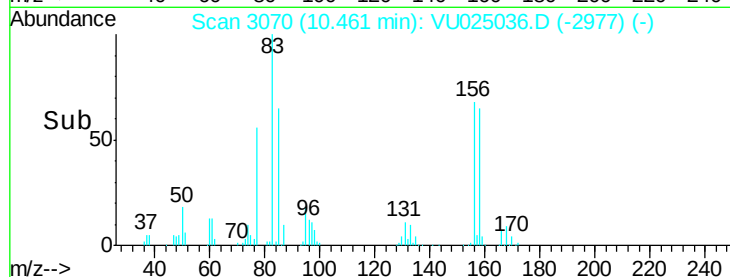
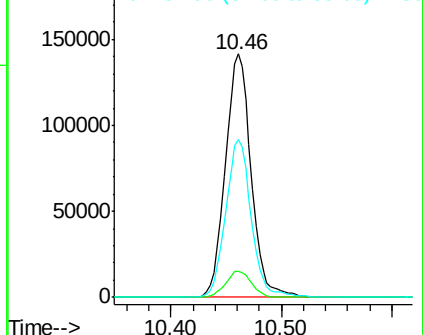
85 64.6 32.5 97.5

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Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 130.80 (130.50 to 131.50): VU0
Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 53.17 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

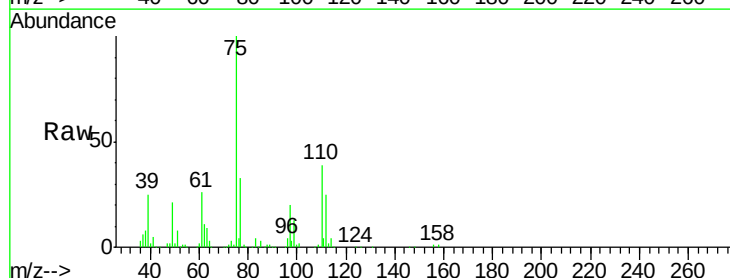
Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

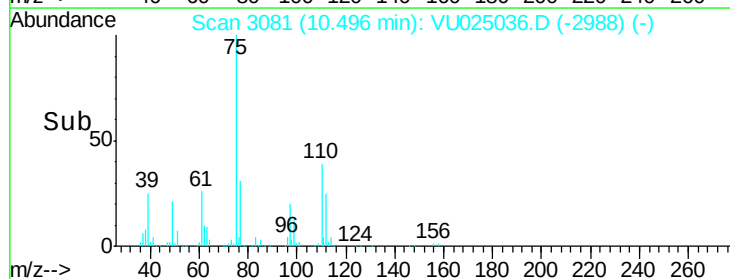
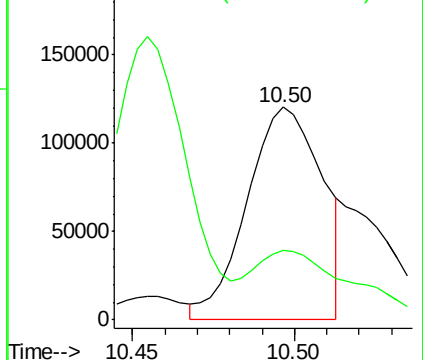
Tgt Ion: 75 Resp: 193551
Ion Ratio Lower Upper

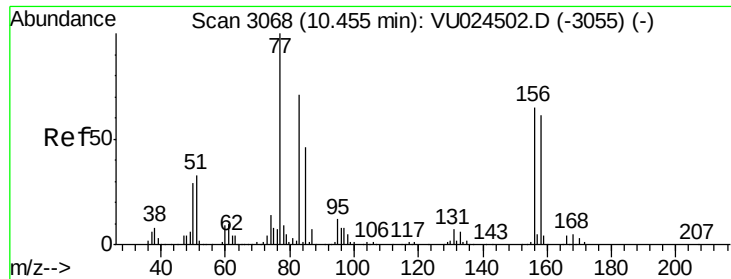
75 100

77 42.3 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 55.00 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

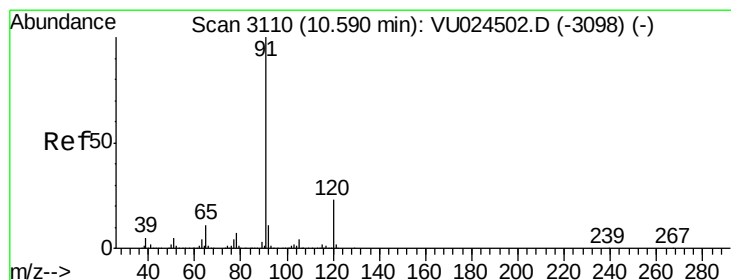
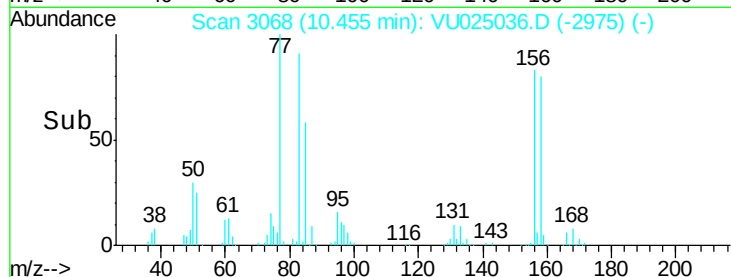
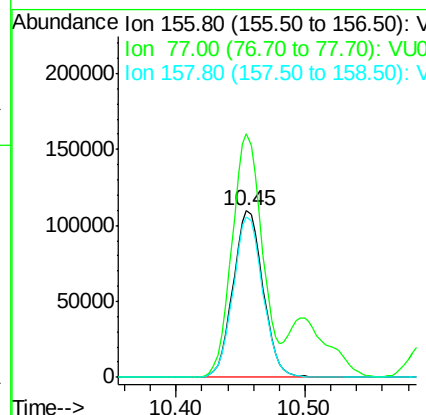
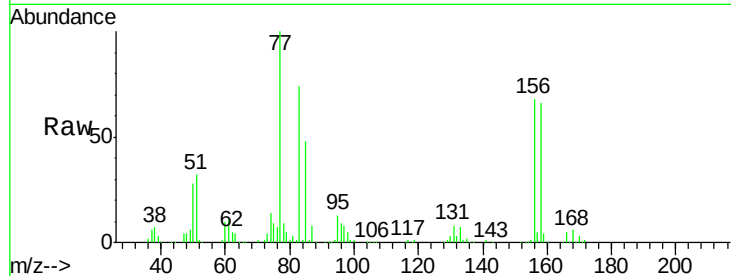
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		176768		
77	147.2	80.5	241.3		
158	96.0	48.2	144.6		

Manual Integrations
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#78

n-propylbenzene

Concen: 51.31 ug/l

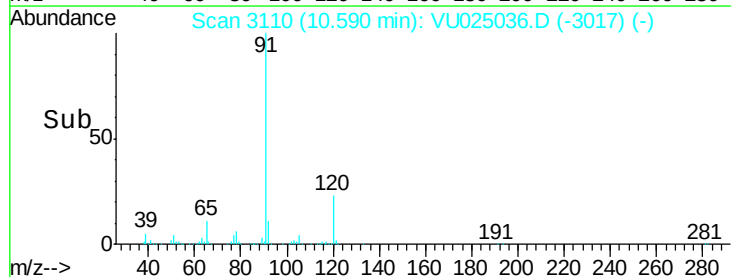
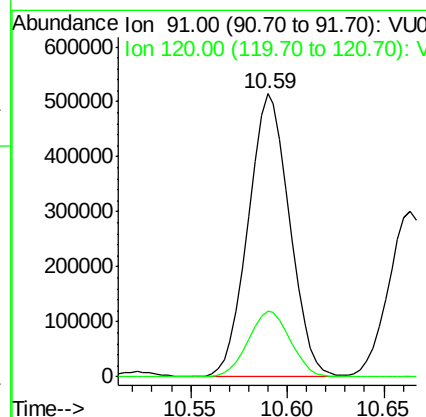
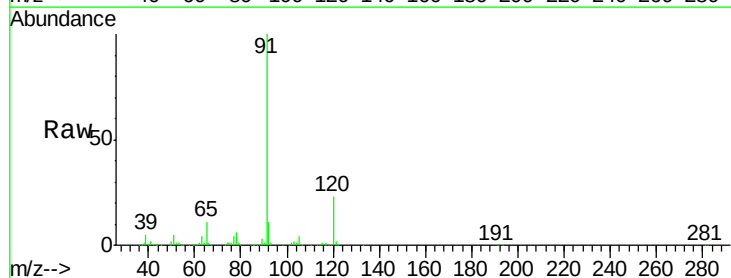
RT: 10.59 min Scan# 3110

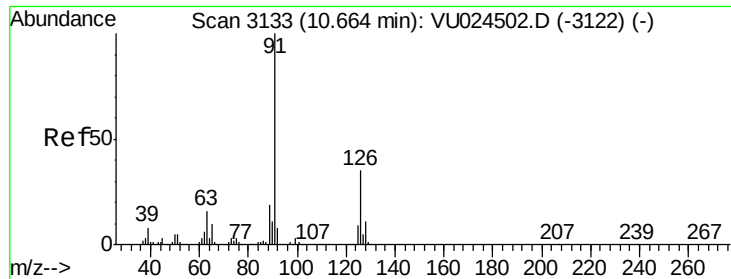
Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		767278		
120	23.7	11.2	33.5		





#79

2-Chlorotoluene

Concen: 52.98 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 467203

Ion Ratio Lower Upper

91 100

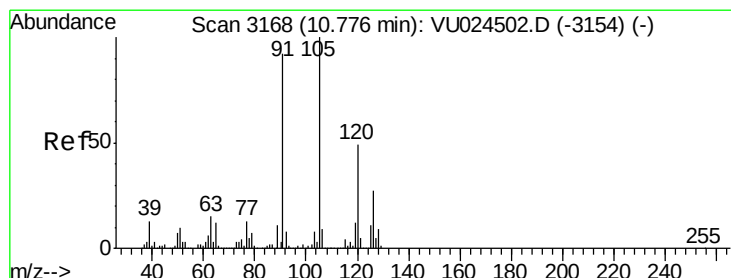
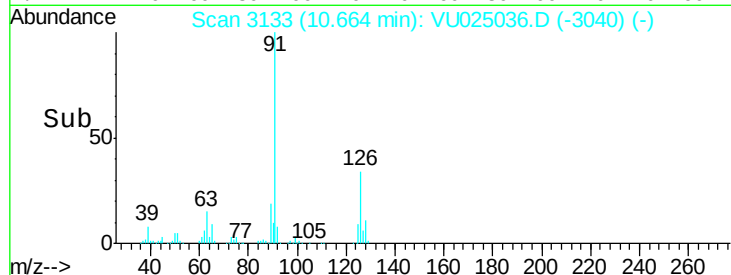
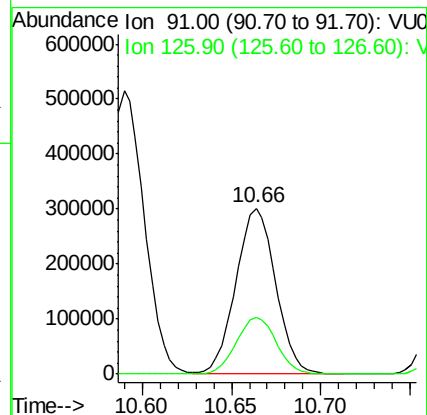
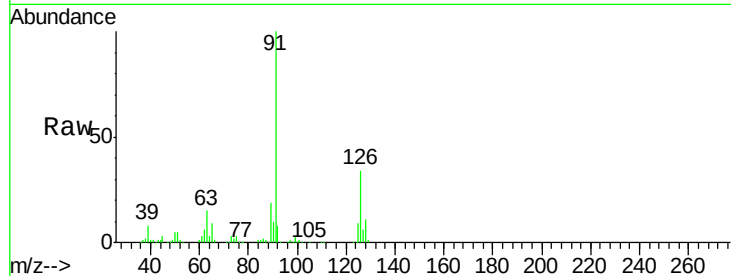
126 34.8 16.9 50.7

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#80

1,3,5-Trimethylbenzene

Concen: 53.56 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025036.D

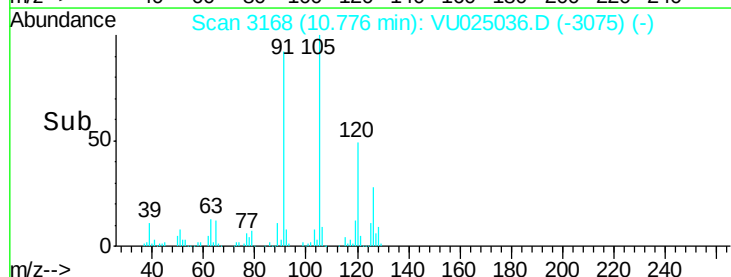
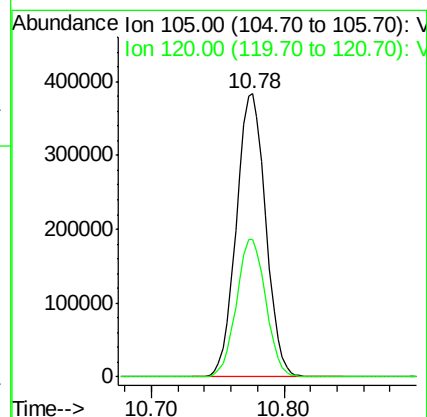
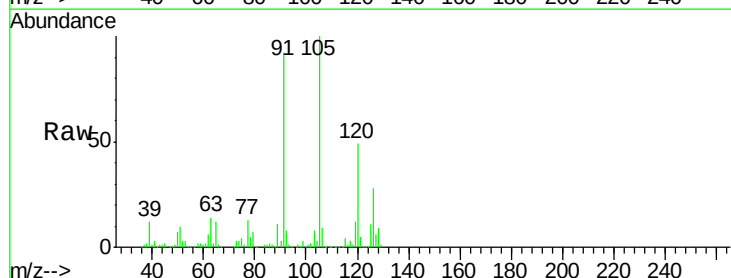
Acq: 28 Jun 2018 21:57

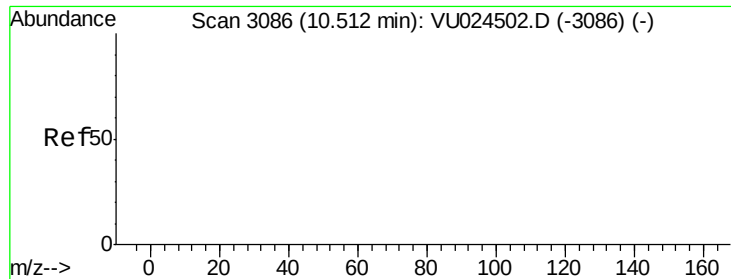
Tgt Ion: 105 Resp: 589357

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 46.64 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VU025036.D

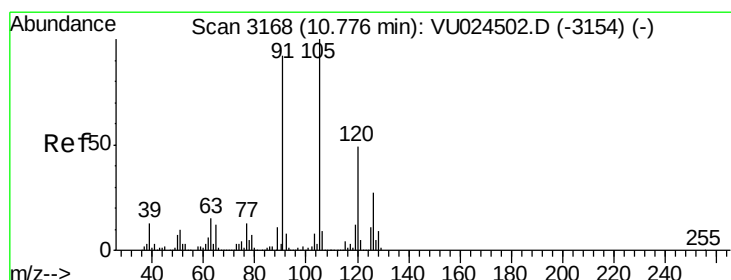
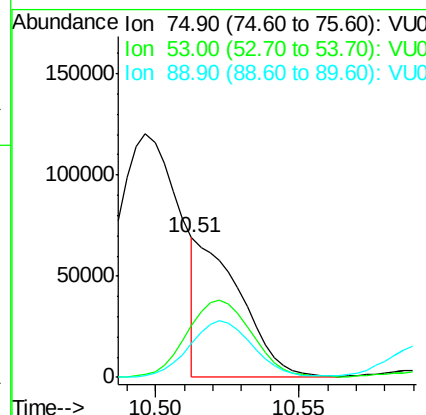
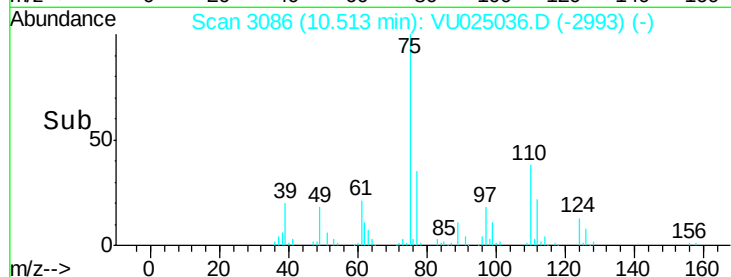
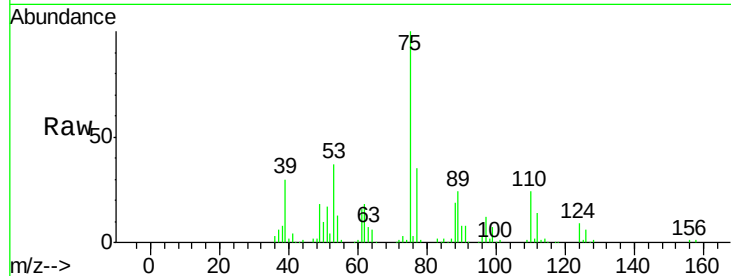
Acq: 28 Jun 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.83 ug/l

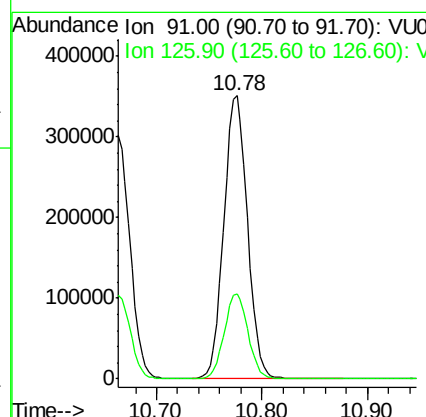
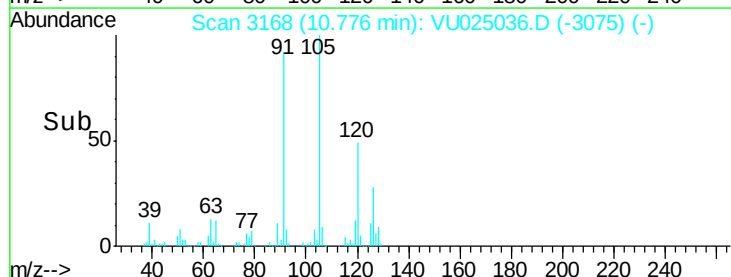
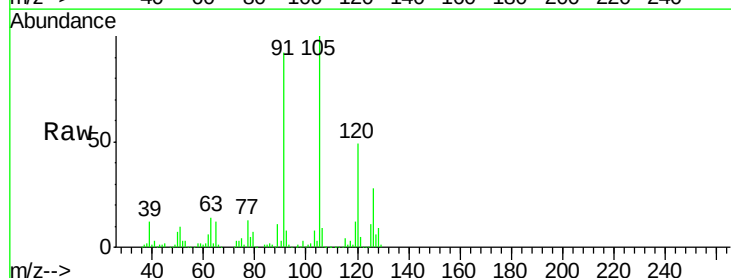
RT: 10.78 min Scan# 3168

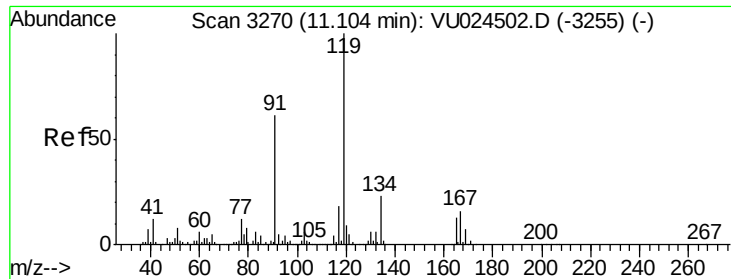
Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	14.9	44.9





#83

tert-Butylbenzene

Concen: 55.10 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

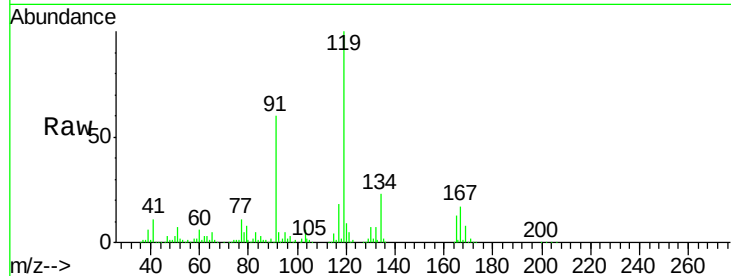
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	583229
Ion Ratio	Lower	Upper	
119	100		
91	59.9	29.7	89.1
134	23.1	11.6	34.7

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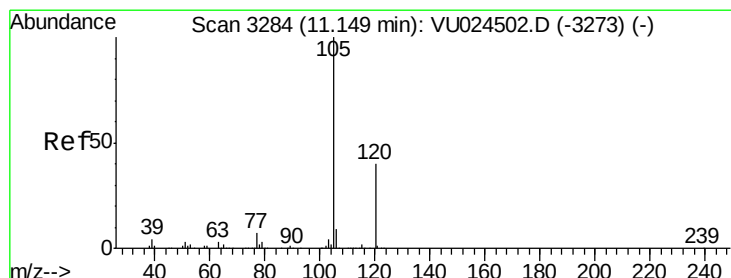
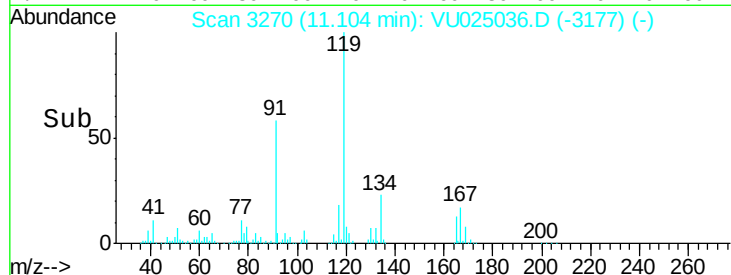
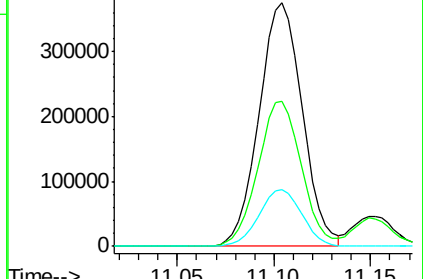
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.62 ug/l

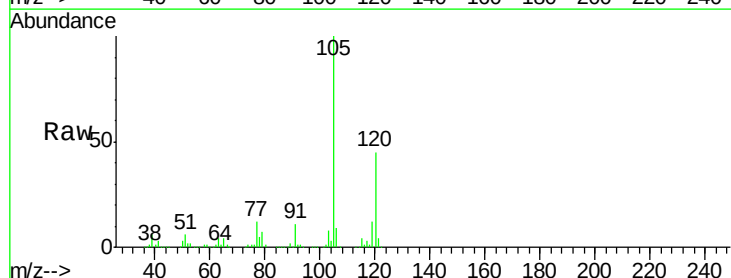
RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025036.D

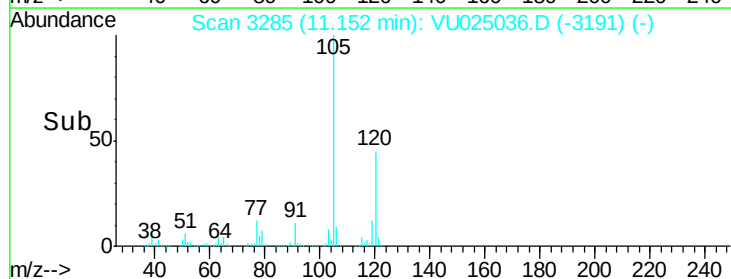
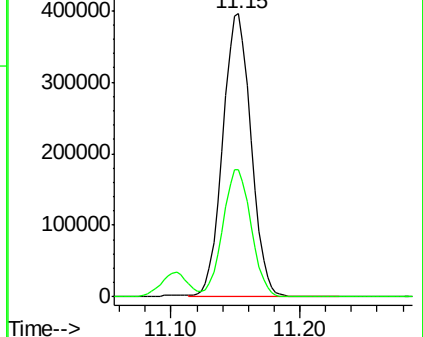
Acq: 28 Jun 2018 21:57

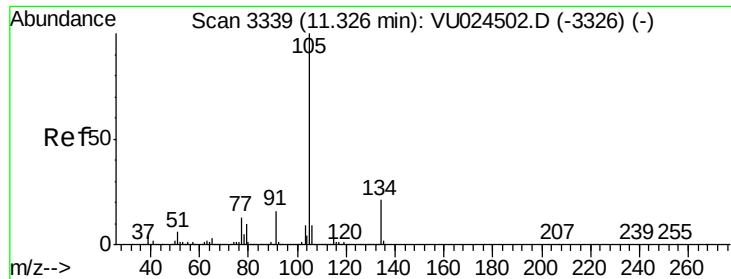
Tgt Ion:	105	Resp:	601225
Ion Ratio	Lower	Upper	
105	100		
120	45.0	22.6	67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.75 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 698812

Ion Ratio Lower Upper

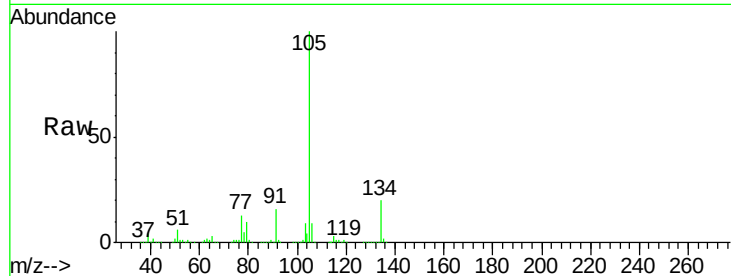
105 100

134 20.3 9.7 29.1

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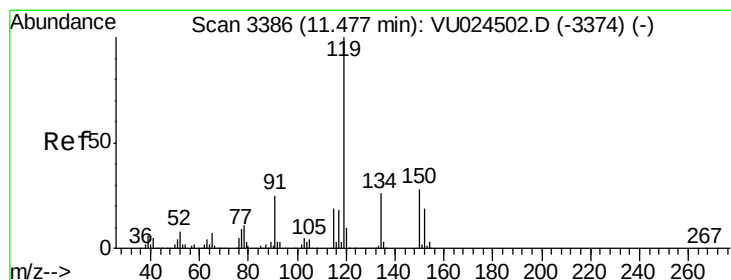
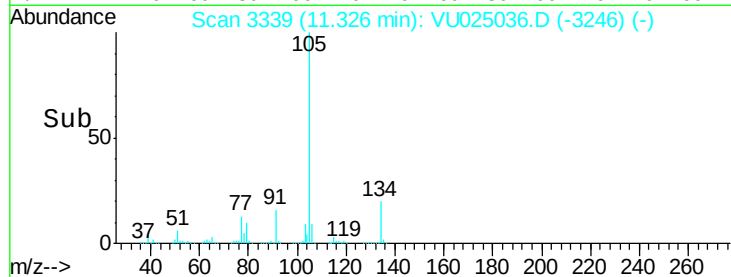
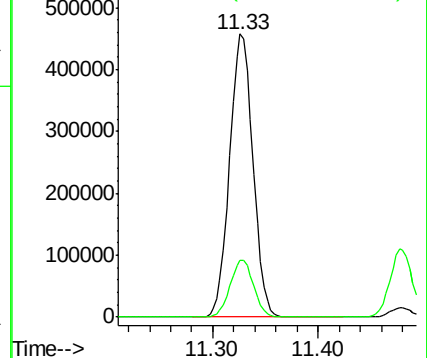
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.34 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

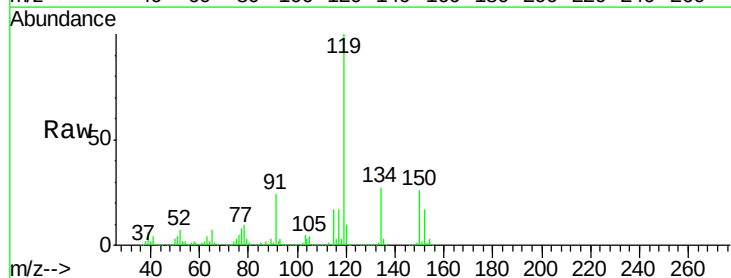
Tgt Ion:119 Resp: 621101

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.6

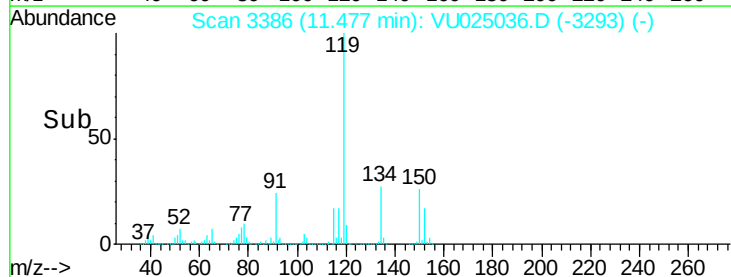
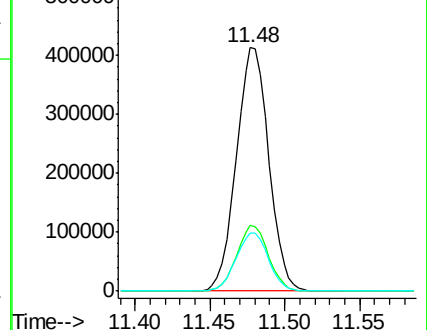
91 24.2 12.0 36.1

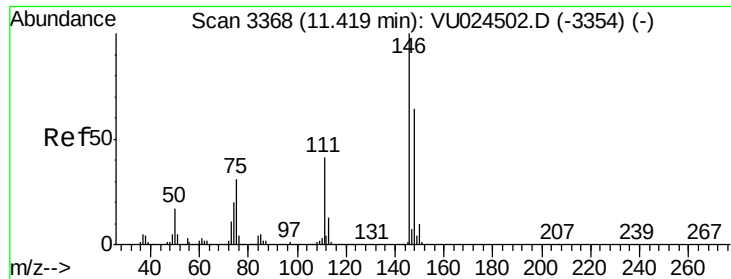


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





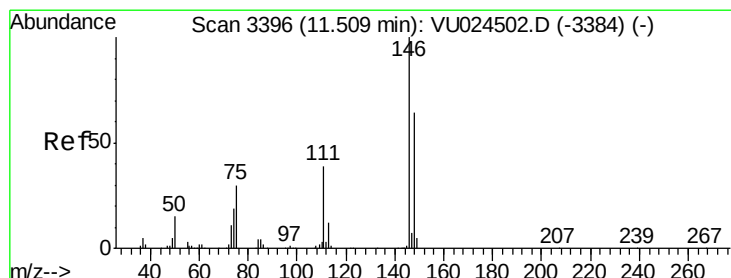
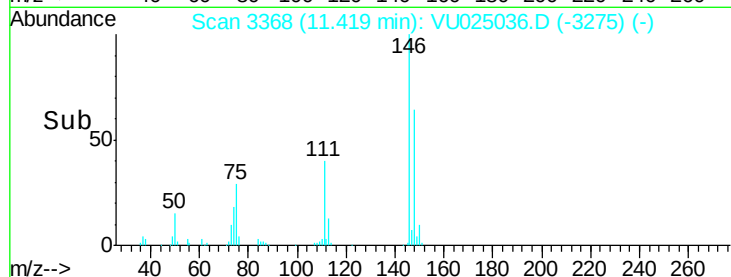
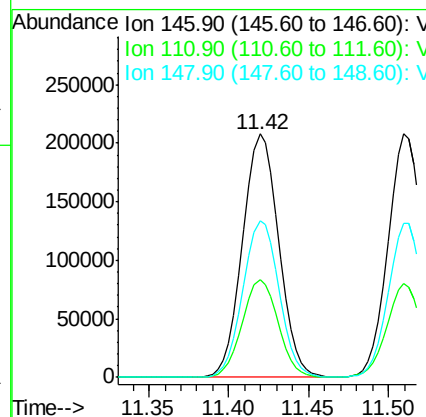
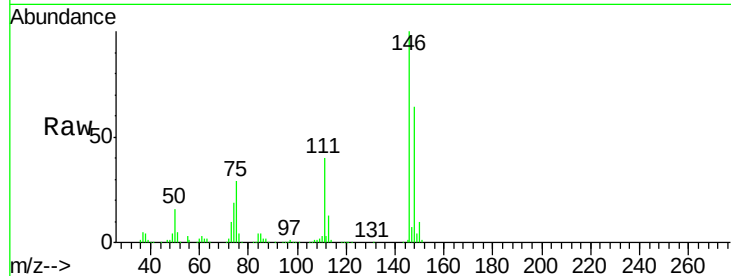
#87
 1,3-Dichlorobenzene
 Concen: 53.97 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	64.2	32.1	96.5

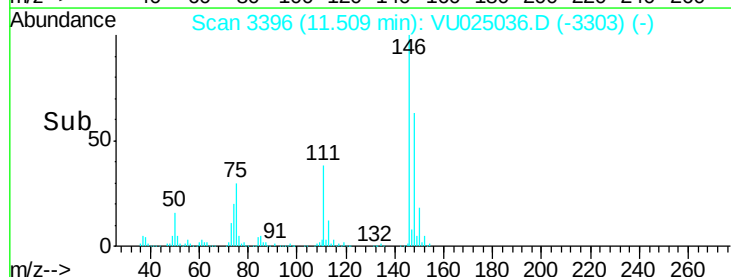
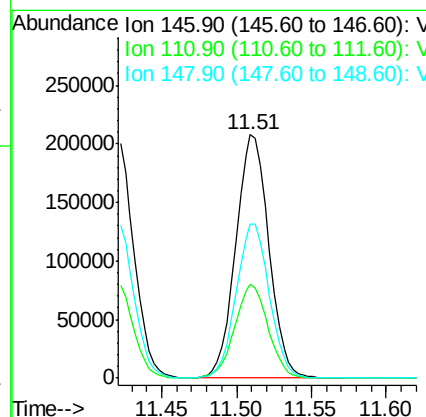
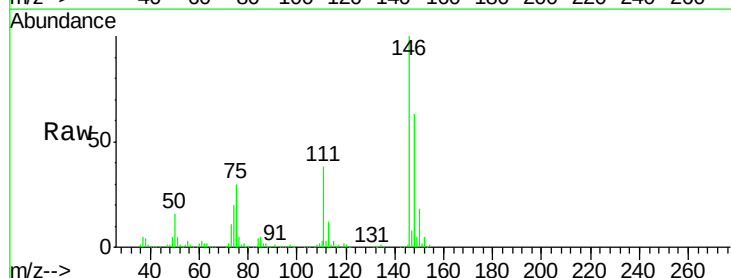
Manual Integrations
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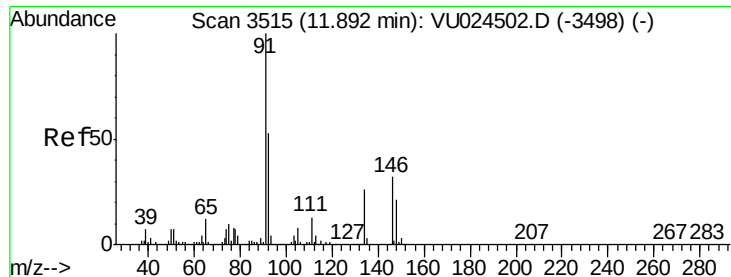
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#88
 1,4-Dichlorobenzene
 Concen: 53.45 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.5	58.5
148	63.9	32.4	97.0





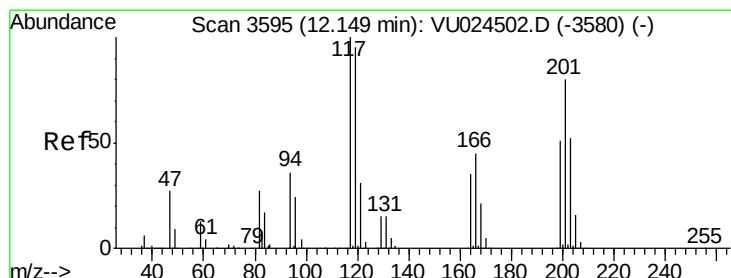
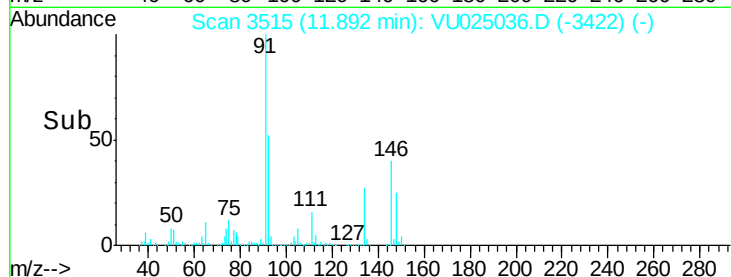
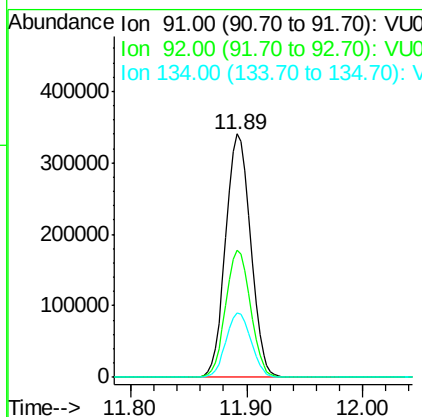
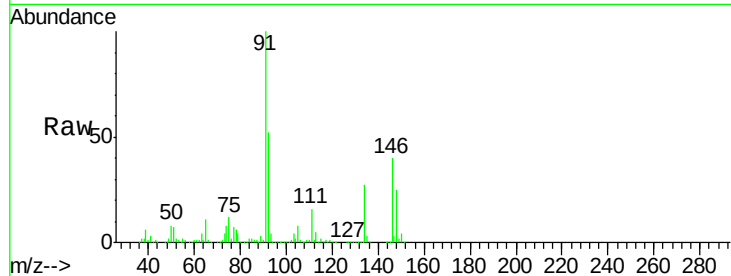
#89
n-Butylbenzene
Concen: 47.98 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.6	76.8
134	26.7	12.3	36.8

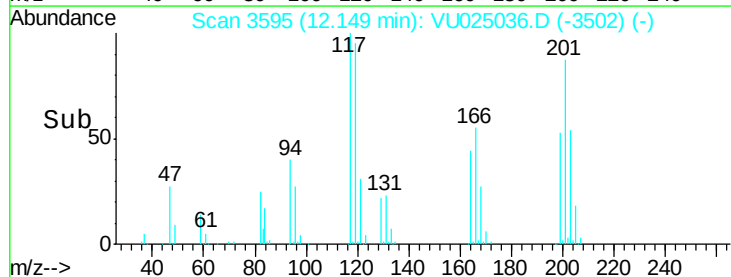
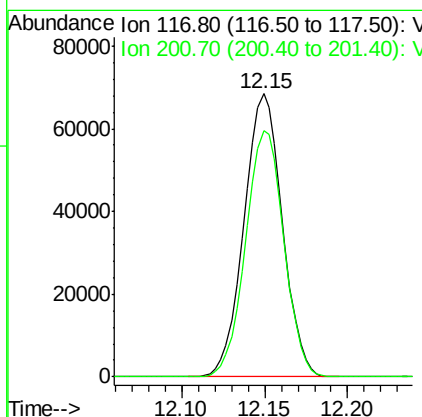
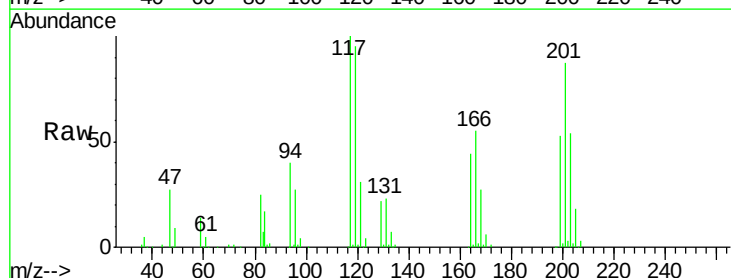
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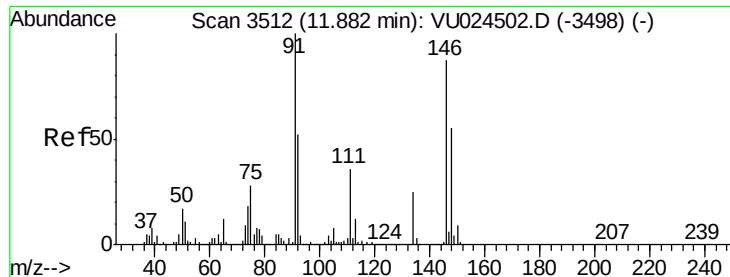
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#90
Hexachloroethane
Concen: 47.42 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.0	41.1	123.3





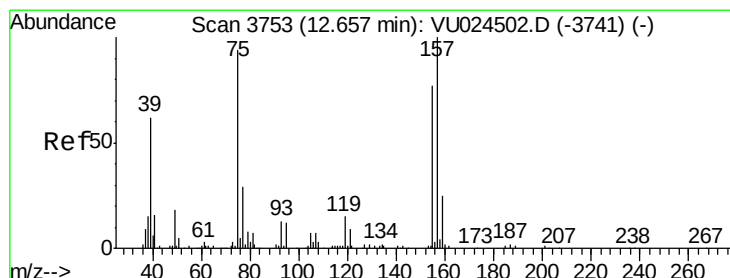
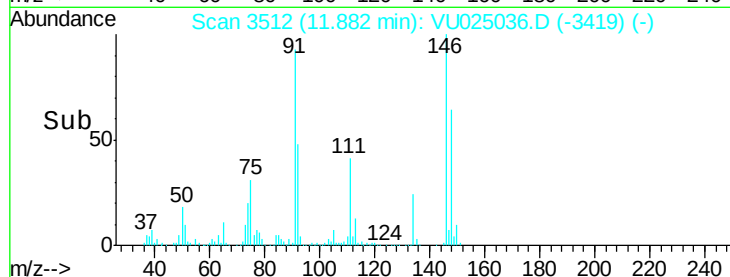
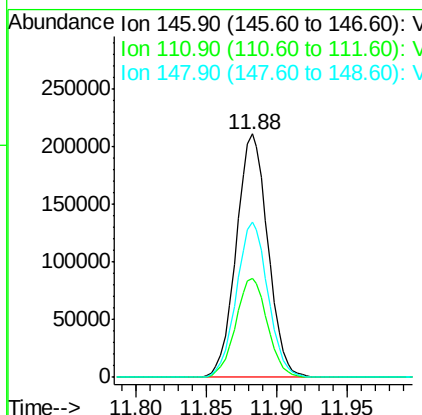
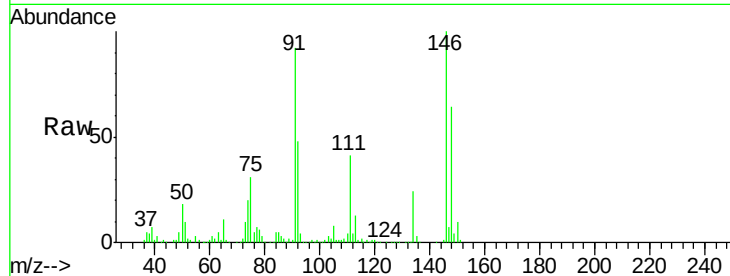
#91
 1,2-Dichlorobenzene
 Concen: 55.80 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.5	61.6
148	63.5	31.9	95.7

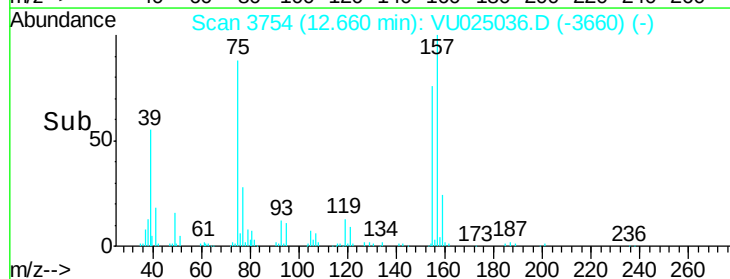
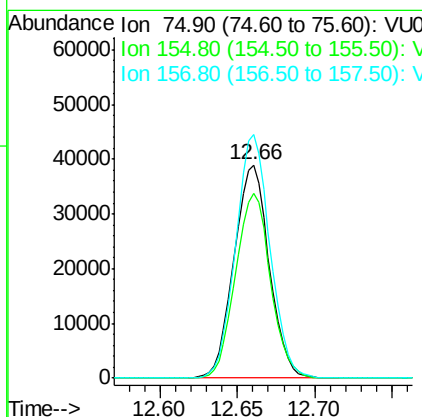
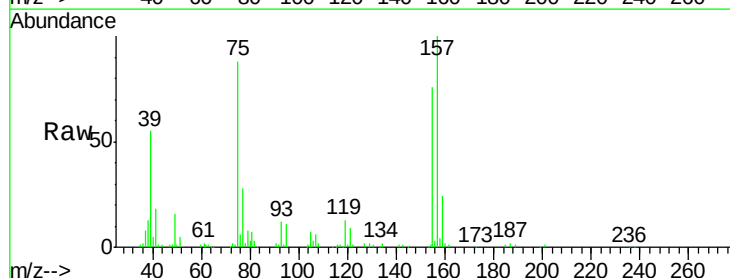
Manual Integrations
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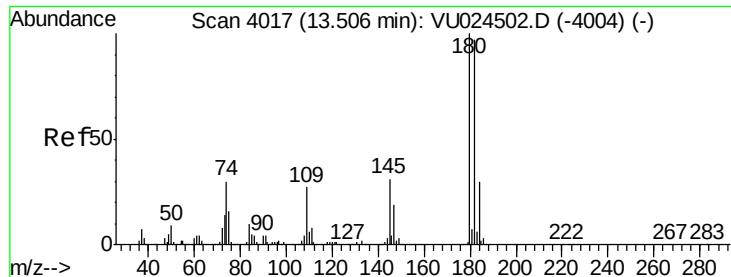
MMDadoda
 6/29/2018 4:23:46 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.39 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	40.4	121.2
157	111.6	52.3	156.8





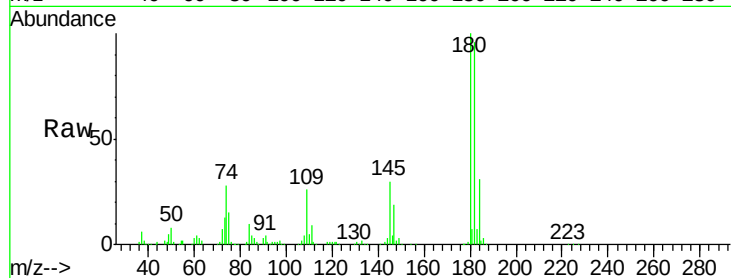
#93
 1,2,4-Trichlorobenzene
 Concen: 57.37 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

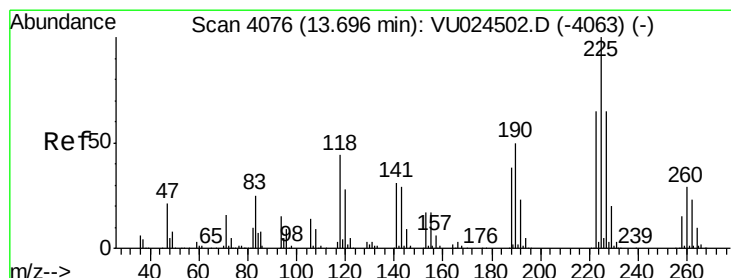
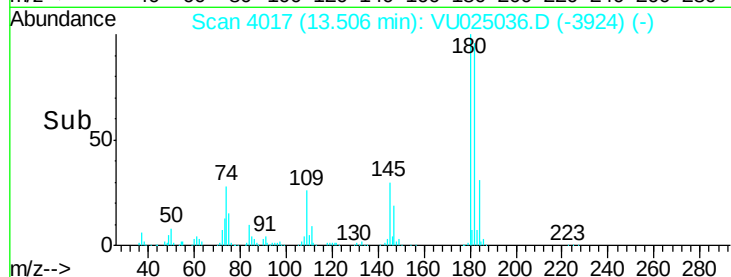
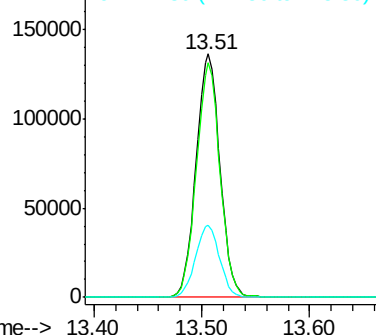
Tot Ion	Ratio	Resp	Lower	Upper
180	100	210695		
182	95.1	48.0	144.2	
145	29.9	14.7	44.1	

Manual Integrations
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 6/29/2018 4:23:46 PM

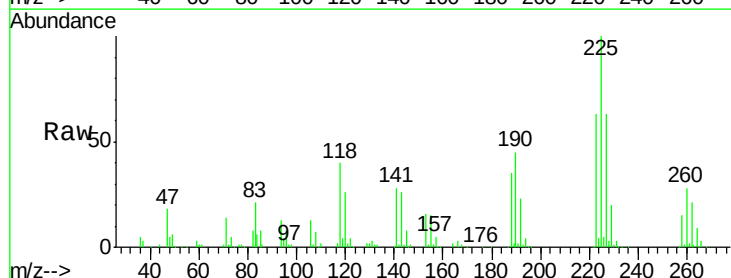


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

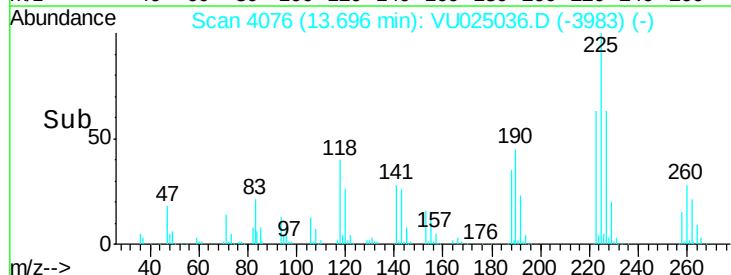
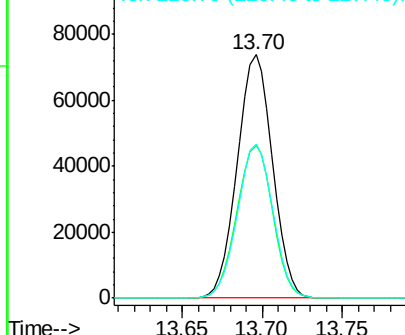


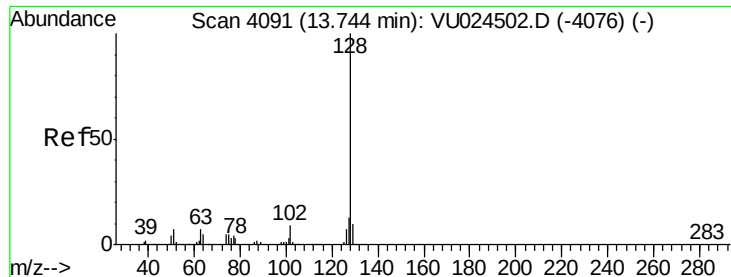
#94
 Hexachlorobutadiene
 Concen: 53.53 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	110654		
223	63.6	31.3	93.8	
227	63.5	31.8	95.4	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





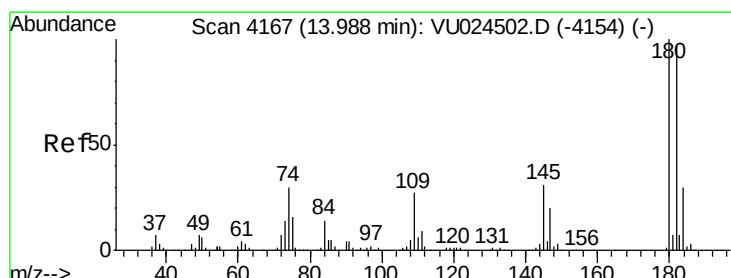
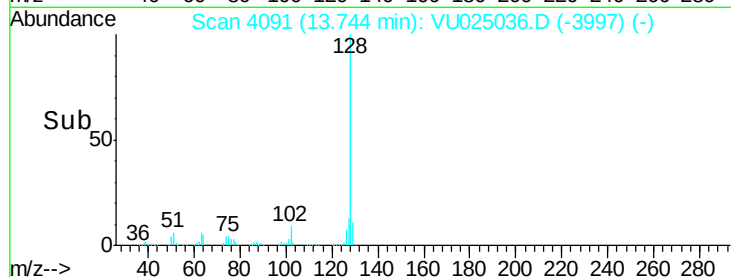
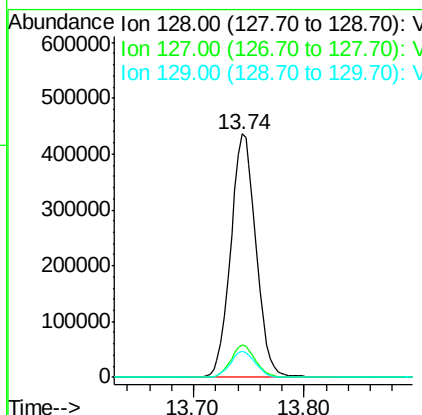
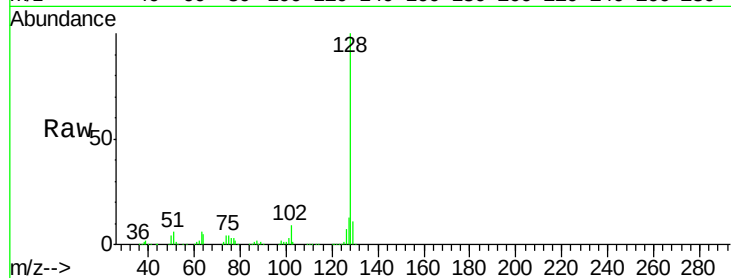
#95
Naphthalene
Concen: 56.88 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.6	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 59.50 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	31.5	15.4	46.1

