

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025133.D
 Acq On : 02 Jul 2018 10:26
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 7/3/2018 3:52:26 PM

Quant Time: Jul 03 04:20:17 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	150928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	224770	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	212257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	131809	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	115714	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
35) Dibromofluoromethane	4.89	113	95486	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
50) Toluene-d8	7.57	98	307460	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	
62) 4-Bromofluorobenzene	10.31	95	134217	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	71998	38.11	ug/l	99
3) Chloromethane	1.33	50	74125	38.41	ug/l	99
4) Vinyl Chloride	1.40	62	80152	40.27	ug/l	99
5) Bromomethane	1.62	94	36534	37.97	ug/l	96
6) Chloroethane	1.70	64	52891	47.50	ug/l	99
7) Trichlorofluoromethane	1.89	101	138760	45.68	ug/l	100
8) Diethyl Ether	2.10	74	50707	49.02	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.29	101	81926	43.47	ug/l	96
10) Methyl Iodide	2.41	142	48995	32.76	ug/l	97
11) Tert butyl alcohol	2.82	59	117475	196.04	ug/l	99
12) 1,1-Dichloroethene	2.28	96	72533	42.21	ug/l	95
13) Acrolein	2.19	56	30639	97.37	ug/l	97
14) Allyl chloride	2.59	41	132414	41.50	ug/l	99
15) Acrylonitrile	2.93	53	248371	213.03	ug/l	100
16) Acetone	2.32	43	315857	238.59	ug/l	98
17) Carbon Disulfide	2.48	76	217864	39.59	ug/l	100
18) Methyl Acetate	2.62	43	146005	51.44	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	298124	46.15	ug/l	96
20) Methylene Chloride	2.70	84	91314	43.96	ug/l	94
21) trans-1,2-Dichloroethene	2.99	96	86326	45.61	ug/l	93
22) Diisopropyl ether	3.57	45	289509	45.77	ug/l	94
23) Vinyl Acetate	3.53	43	1210088	213.56	ug/l	99
24) 1,1-Dichloroethane	3.45	63	164408	45.18	ug/l	99
25) 2-Butanone	4.26	43	390803	219.77	ug/l	96
26) 2,2-Dichloropropane	4.23	77	160317	46.40	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	99838	45.88	ug/l	98
28) Bromochloromethane	4.55	49	72272	45.09	ug/l	86
29) Tetrahydrofuran	4.64	42	231036	209.80	ug/l	98
30) Chloroform	4.68	83	174635	47.42	ug/l	99
31) Cyclohexane	5.00	56	150460	46.42	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	160753	47.20	ug/l	97
36) 1,1-Dichloropropene	5.14	75	125183	47.40	ug/l	96
37) Ethyl Acetate	4.38	43	135114	46.94	ug/l	98
38) Carbon Tetrachloride	5.14	117	143474	49.40	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	159861	48.50	ug/l	97
40) Benzene	5.39	78	360109	47.85	ug/l	100
41) Methacrylonitrile	4.55	41	74871	48.24	ug/l	98
42) 1,2-Dichloroethane	5.41	62	149619	52.20	ug/l	98
43) Isopropyl Acetate	5.55	43	220852	44.38	ug/l	98
44) Trichloroethene	6.19	130	101141	47.22	ug/l	96
45) 1,2-Dichloropropane	6.44	63	95623	47.62	ug/l	98
46) Dibromomethane	6.56	93	69761	49.46	ug/l	95
47) Bromodichloromethane	6.76	83	136394	48.56	ug/l	100
48) Methyl methacrylate	6.62	41	113890	47.00	ug/l	98
49) 1,4-Dioxane	6.62	88	52394	1105.70	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	702266	224.64	ug/l	98
52) Toluene	7.64	92	237022	48.95	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	146879	46.57	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	154294	45.91	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	94963	48.25	ug/l	98
56) Ethyl methacrylate	8.02	69	150736	45.76	ug/l	100
57) 1,3-Dichloropropane	8.25	76	161423	48.62	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	262706	208.16	ug/l	95
59) 2-Hexanone	8.36	43	572456	224.30	ug/l	100
60) Dibromochloromethane	8.48	129	113103	46.08	ug/l	99
61) 1,2-Dibromoethane	8.59	107	104005	47.48	ug/l	98
64) Tetrachloroethene	8.23	164	99867	49.50	ug/l	100
65) Chlorobenzene	9.12	112	271293	50.03	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	100891	48.97	ug/l	98
67) Ethyl Benzene	9.25	91	472910	49.75	ug/l	99
68) m/p-Xylenes	9.38	106	368568	100.97	ug/l	97
69) o-Xylene	9.78	106	179480	49.68	ug/l	98
70) Styrene	9.80	104	291578	49.12	ug/l	98
71) Bromoform	9.96	173	88272	45.08	ug/l #	98
73) Isopropylbenzene	10.17	105	493389	48.76	ug/l	98
74) N-amyl acetate	10.01	43	196975	40.92	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	157001	46.30	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	143111m	49.32	ug/l	
77) Bromobenzene	10.45	156	125122	48.84	ug/l	94
78) n-propylbenzene	10.59	91	572564	48.03	ug/l	97
79) 2-Chlorotoluene	10.66	91	335860	47.78	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	430509	49.08	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	49008m	39.09	ug/l	
82) 4-Chlorotoluene	10.78	91	392140	47.93	ug/l	100
83) tert-Butylbenzene	11.10	119	426134	50.51	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	437827	48.98	ug/l	100
85) sec-Butylbenzene	11.33	105	515020	48.77	ug/l	98
86) p-Isopropyltoluene	11.48	119	457577	48.38	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	232199	49.06	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	232903	48.89	ug/l	99
89) n-Butylbenzene	11.89	91	389712	46.41	ug/l	98
90) Hexachloroethane	12.15	117	77132	41.80	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	237080	50.01	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	41595	44.45	ug/l	97

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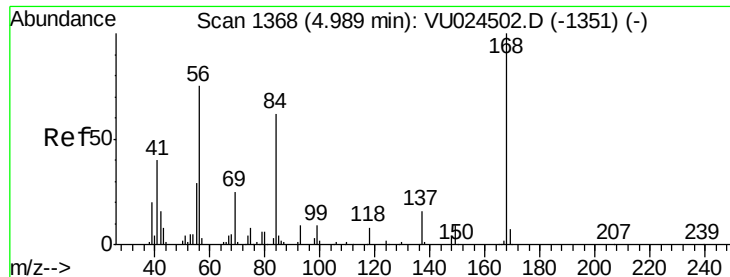
Manual Integrations
APPROVED

sam
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	158003	53.97	ug/l	99
94) Hexachlorobutadiene	13.70	225	86277	52.36	ug/l	98
95) Naphthalene	13.74	128	470122	48.53	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	160611	55.06	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: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 150928

Ion Ratio Lower Upper

168 100

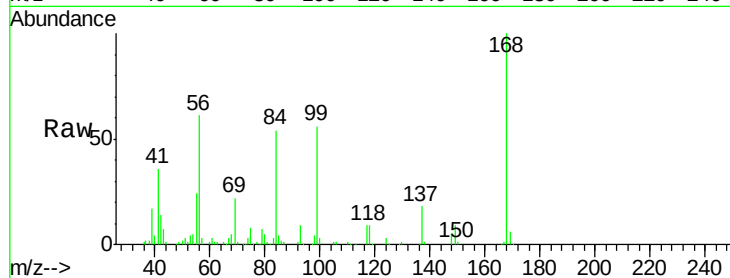
99 55.8 43.2 64.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025133.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025133.D (-1275) (-)

4.99

80000

60000

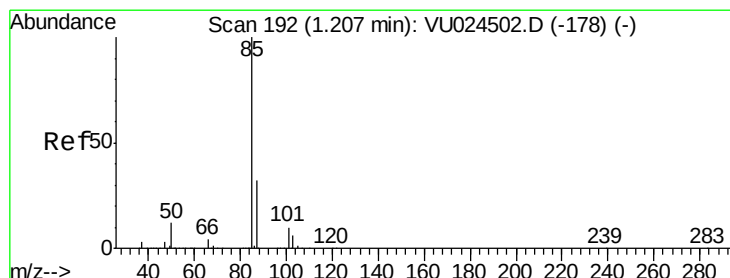
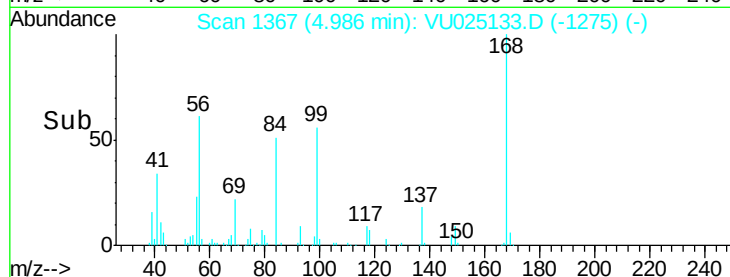
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 38.11 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025133.D

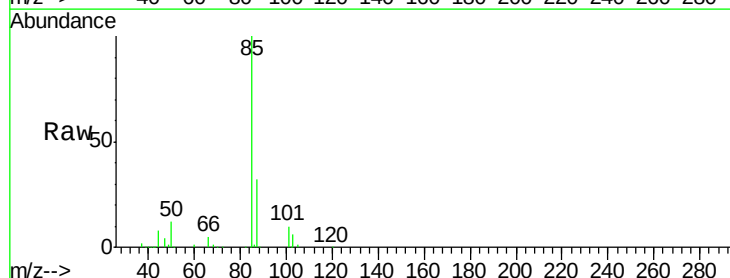
Acq: 02 Jul 2018 10:26

Tgt Ion: 85 Resp: 71998

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU025133.D (-99) (-)

Ion 86.90 (86.60 to 87.60): VU025133.D (-99) (-)

1.20

80000

60000

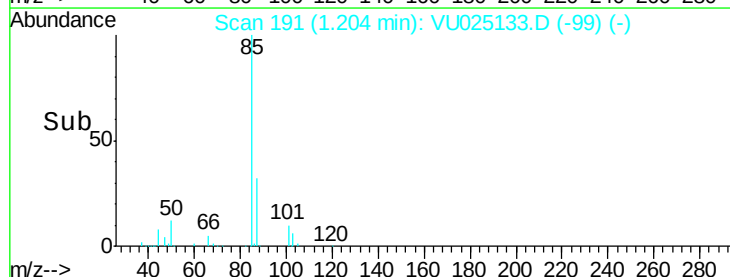
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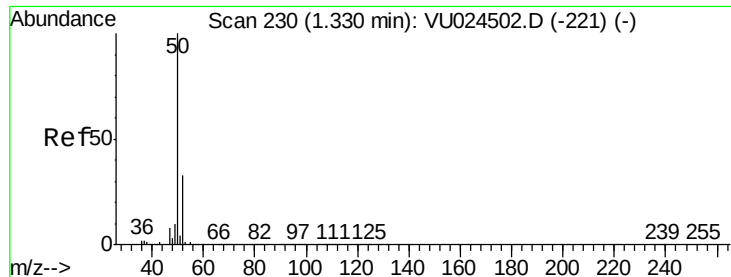
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 38.41 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 74125

Ion Ratio Lower Upper

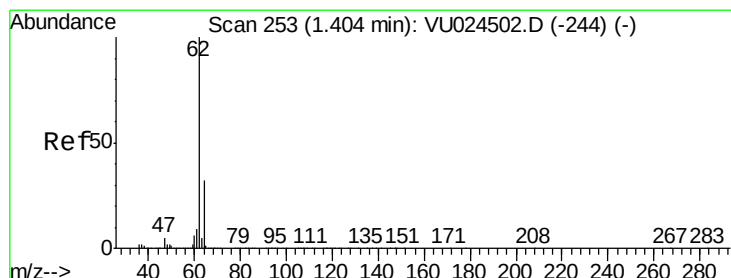
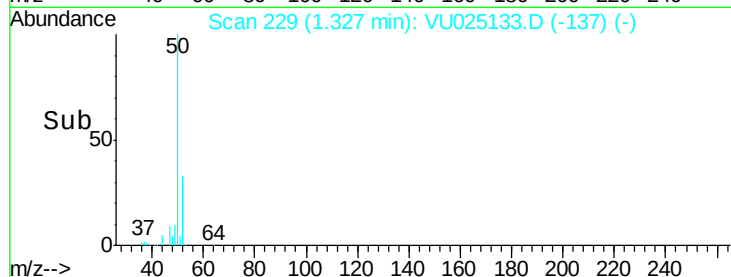
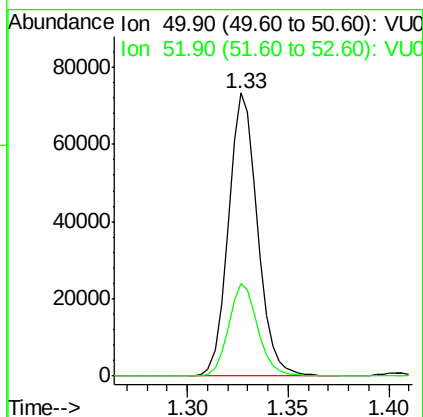
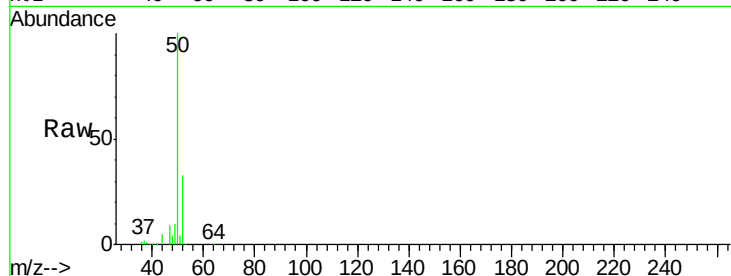
50 100

52 32.5 26.4 39.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 40.27 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025133.D

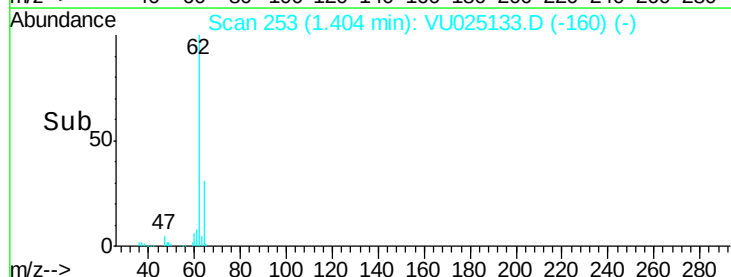
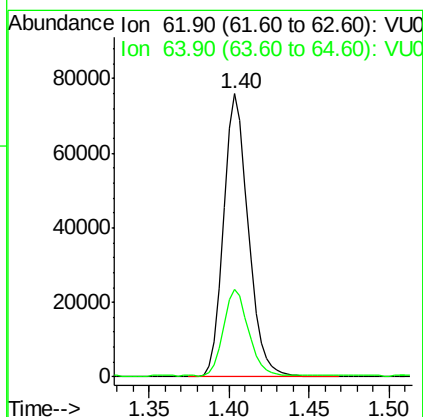
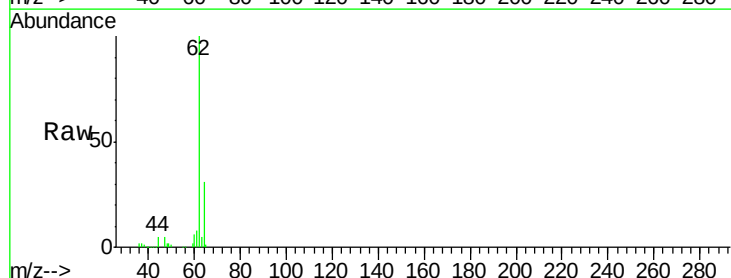
Acq: 02 Jul 2018 10:26

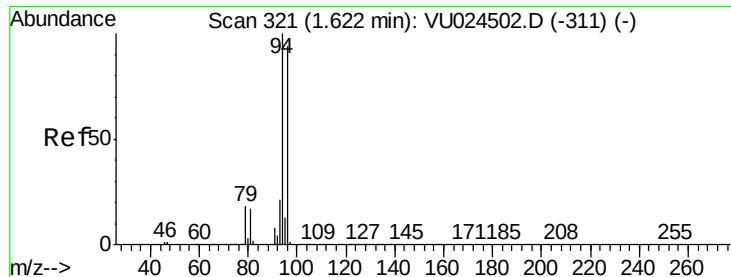
Tgt Ion: 62 Resp: 80152

Ion Ratio Lower Upper

62 100

64 30.7 24.8 37.2





#5

Bromomethane

Concen: 37.97 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 36534

Ion Ratio Lower Upper

94 100

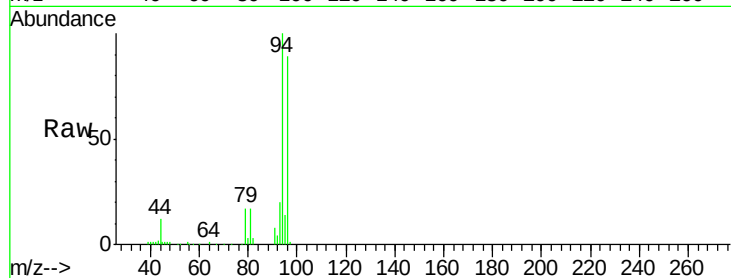
96 89.5 74.5 111.7

Manual Integrations

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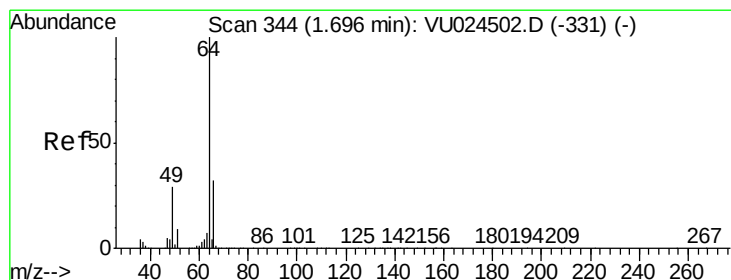
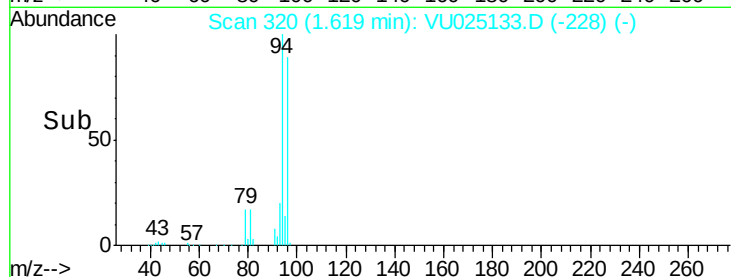
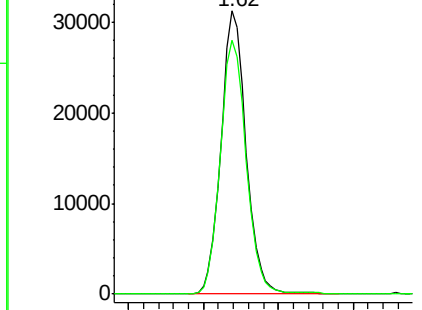
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Abundance Ion 93.90 (93.60 to 94.60): VU024502.D (-311) (-)

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



#6

Chloroethane

Concen: 47.50 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025133.D

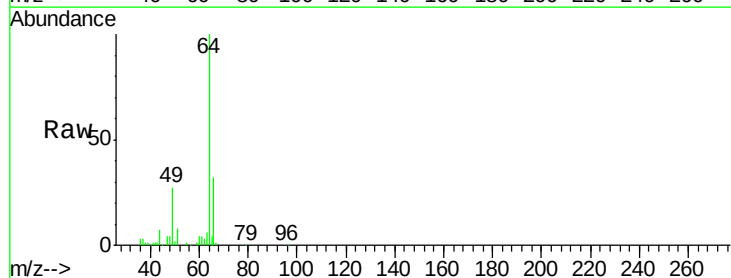
Acq: 02 Jul 2018 10:26

Tgt Ion: 64 Resp: 52891

Ion Ratio Lower Upper

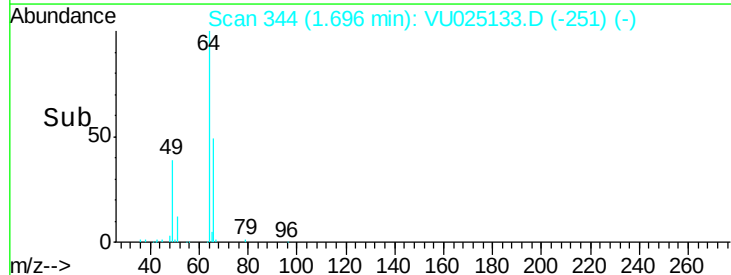
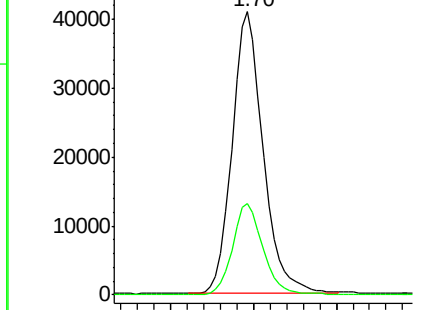
64 100

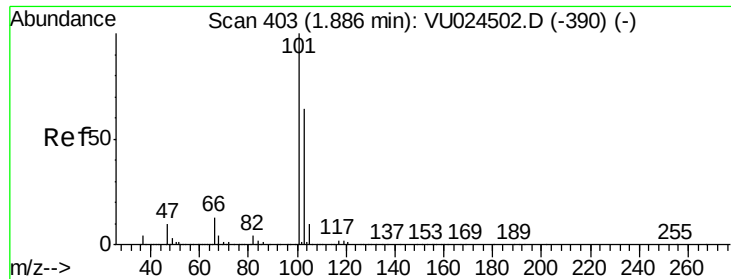
66 32.5 25.5 38.3



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

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





#7

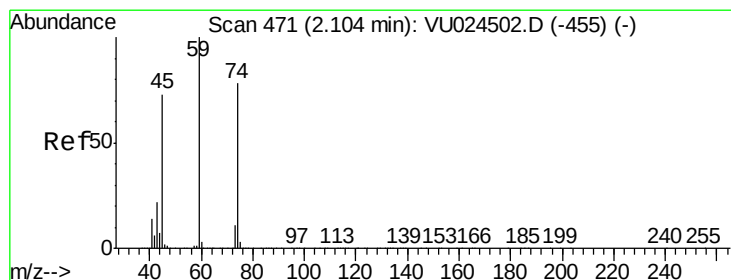
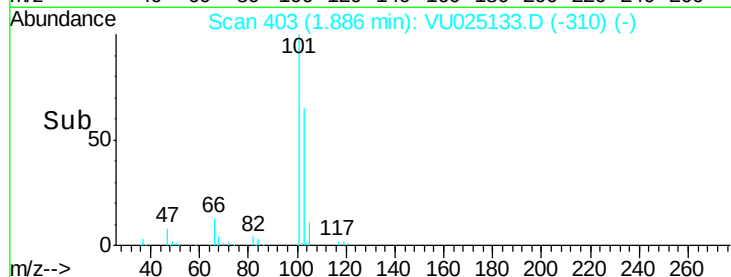
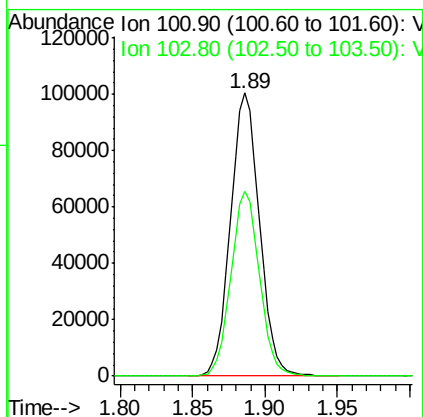
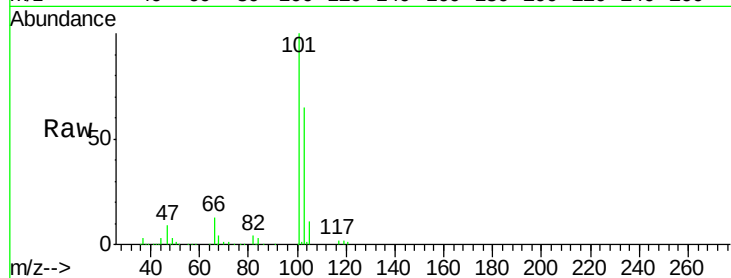
Trichlorofluoromethane
 Concen: 45.68 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.3	78.5

Manual Integrations
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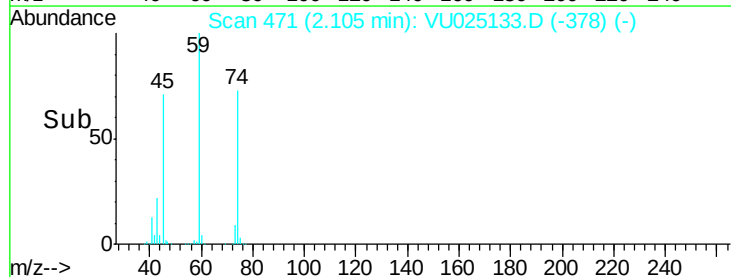
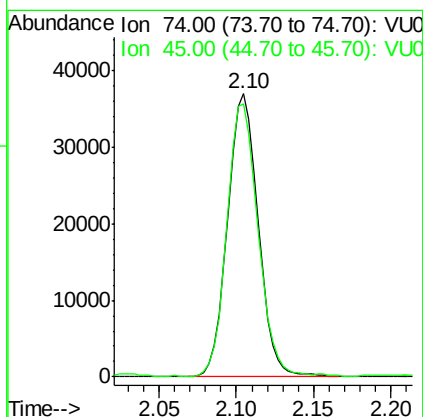
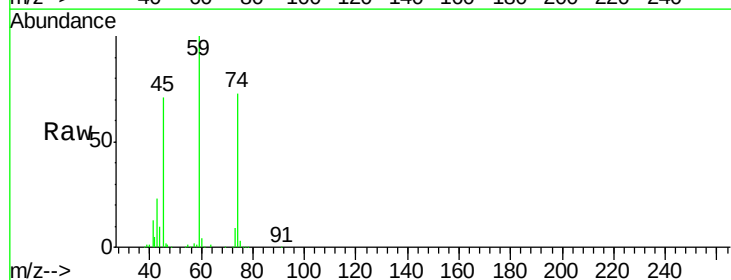
sam
 7/3/2018 3:52:26 PM

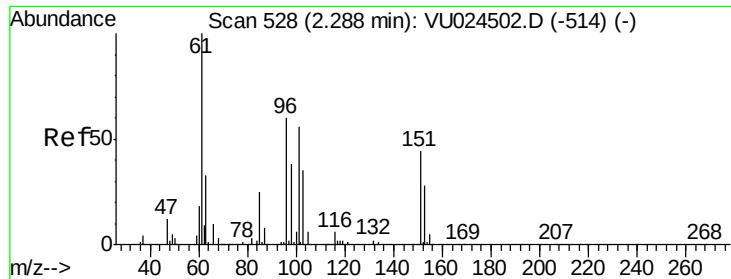


#8

Diethyl Ether
 Concen: 49.02 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	55.0	165.0





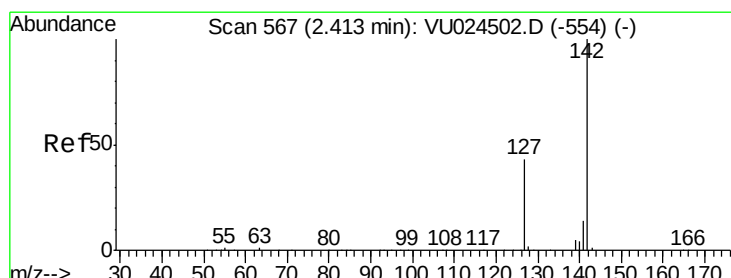
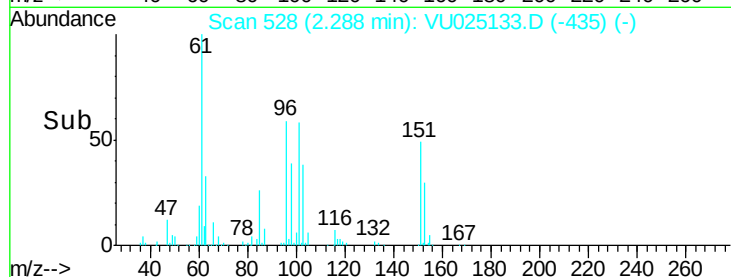
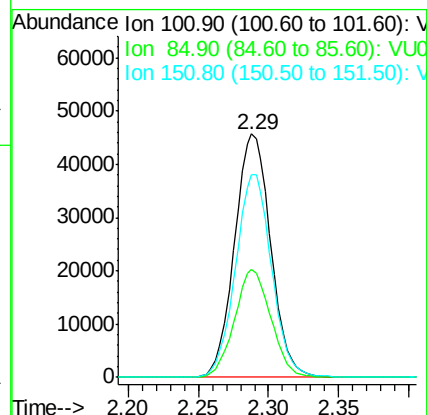
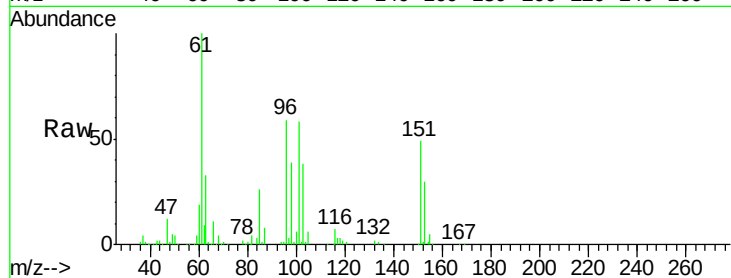
#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.47 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.0	54.0
151	83.3	62.3	93.5

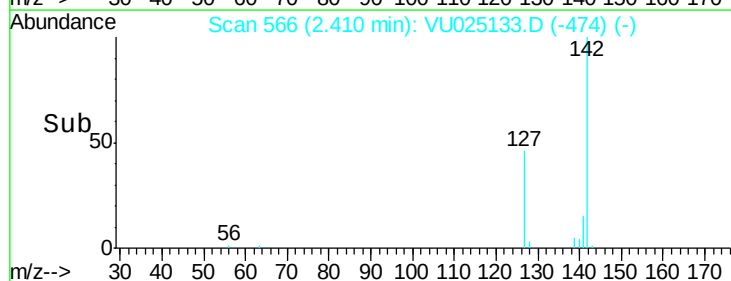
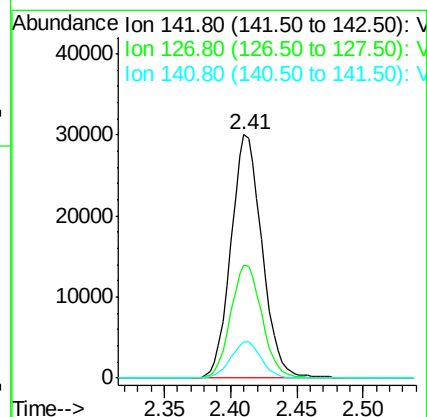
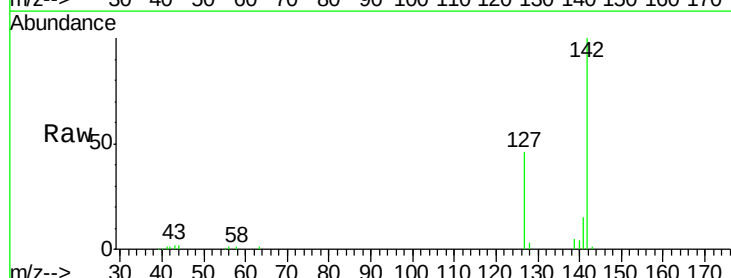
Manual Integrations
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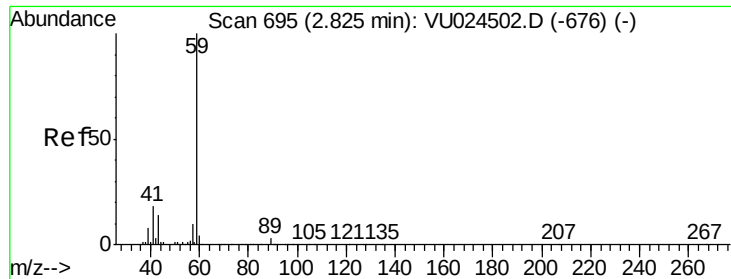
sam
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#10
Methyl Iodide
Concen: 32.76 ug/l
RT: 2.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.7	35.6	53.4
141	14.5	11.7	17.5





#11

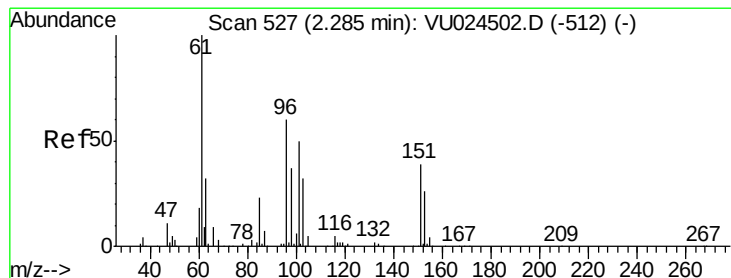
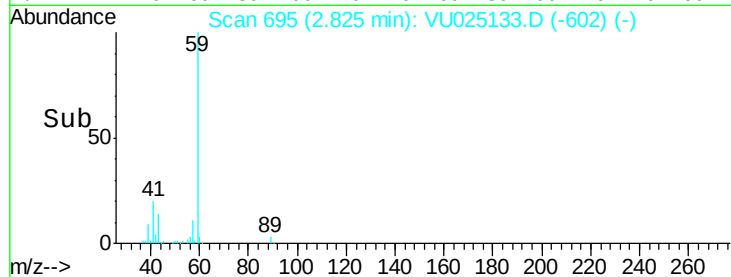
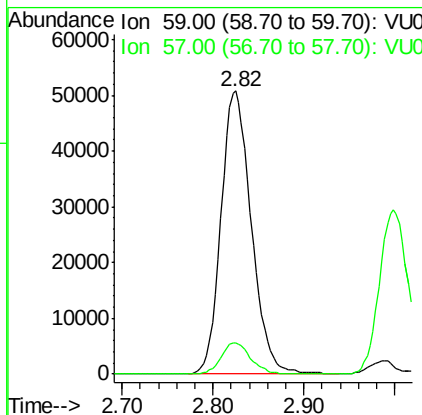
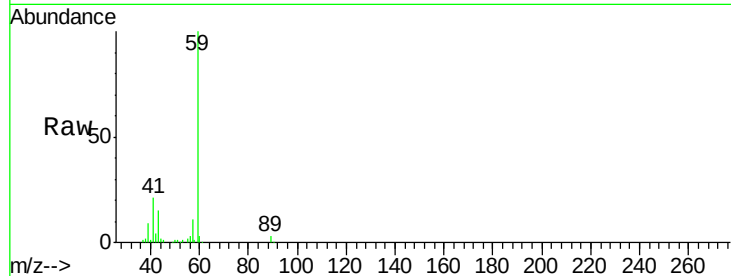
Tert butyl alcohol
 Concen: 196.04 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.5	12.7

Manual Integrations
 APPROVED

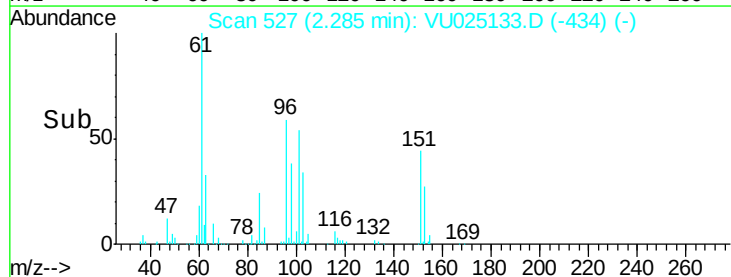
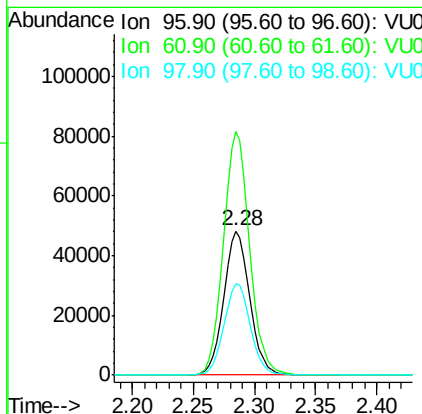
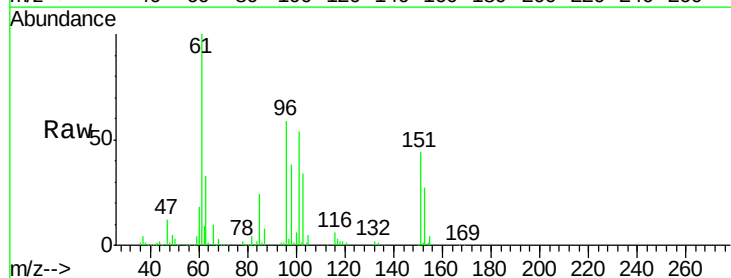
sam
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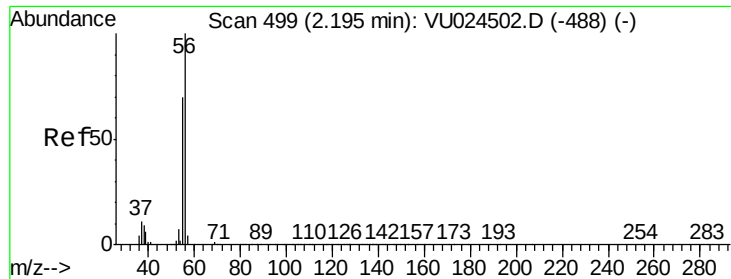


#12

1,1-Dichloroethene
 Concen: 42.21 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.9	141.7	212.5
98	63.7	51.6	77.4





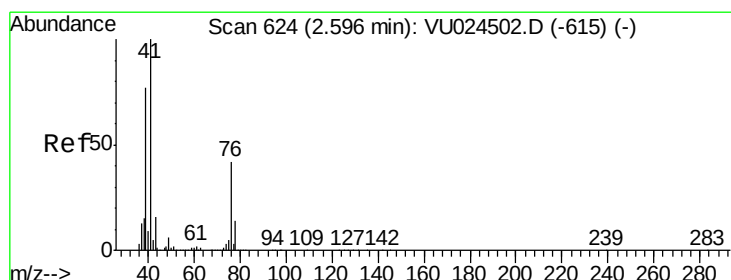
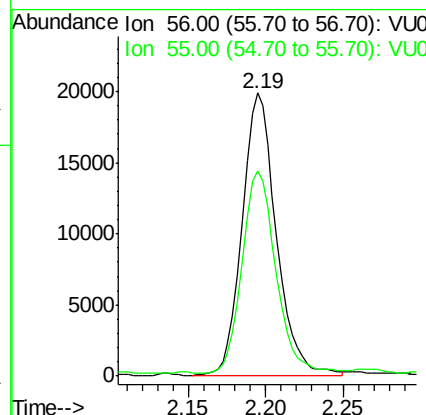
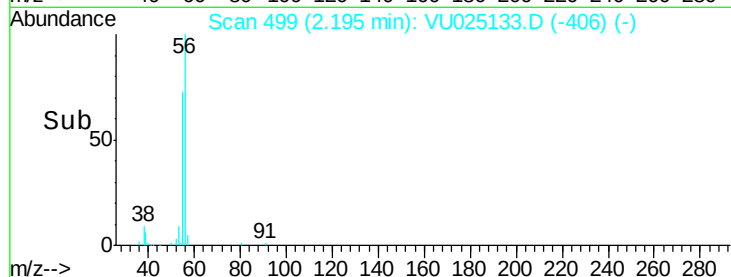
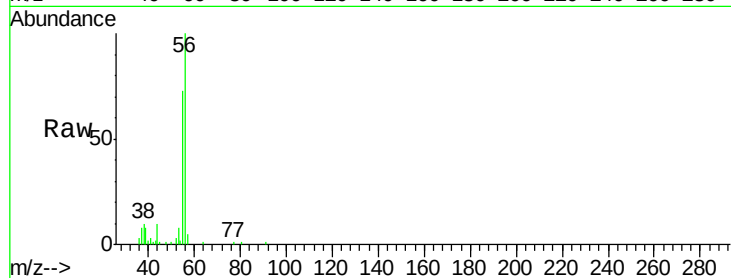
#13
Acrolein
Concen: 97.37 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	70.7	58.4	87.6

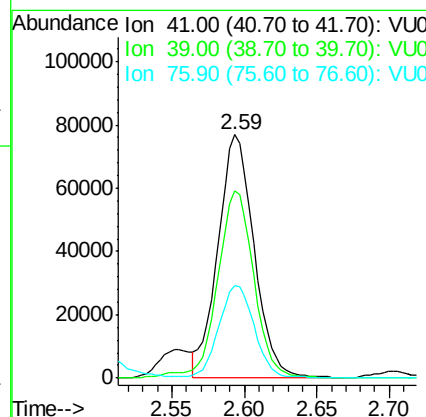
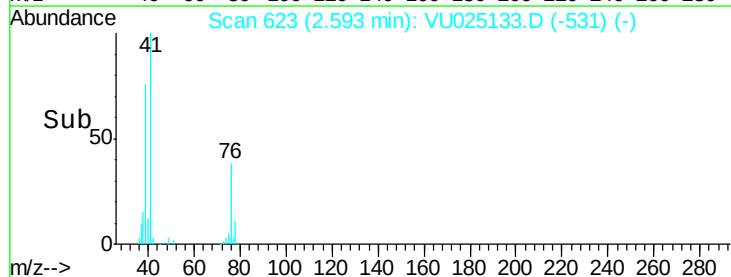
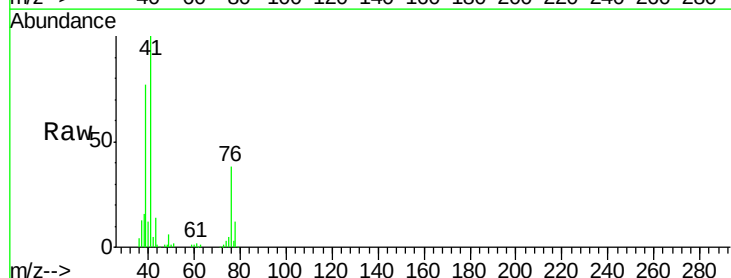
Manual Integrations
APPROVED

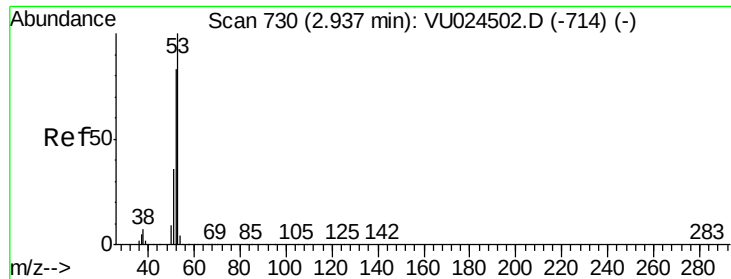
sam
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#14
Allyl chloride
Concen: 41.50 ug/l
RT: 2.59 min Scan# 623
Delta R.T. -0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	77.8	61.6	92.4
76	76	37.1	29.7	44.5





#15

Acrylonitrile

Concen: 213.03 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

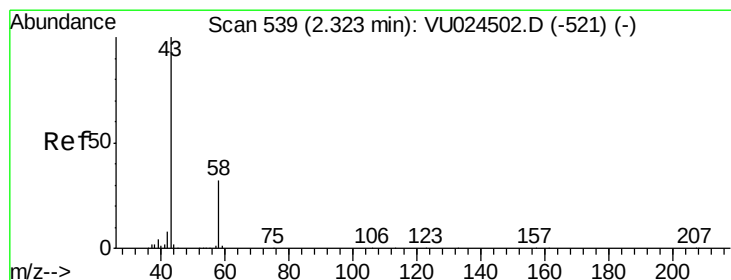
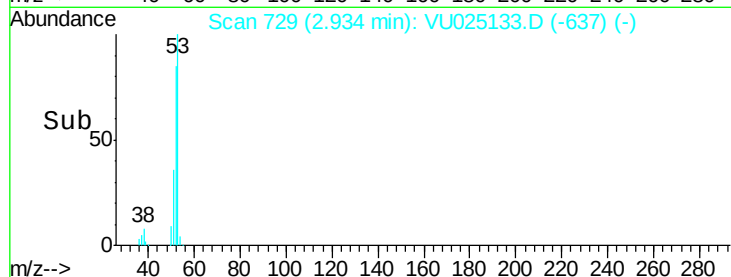
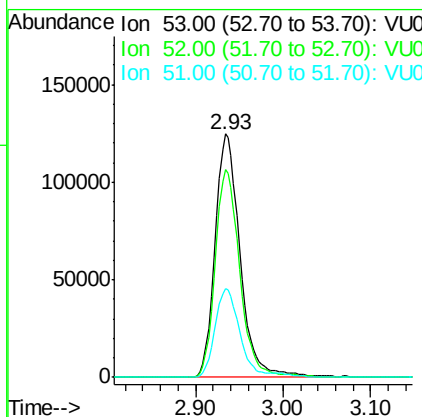
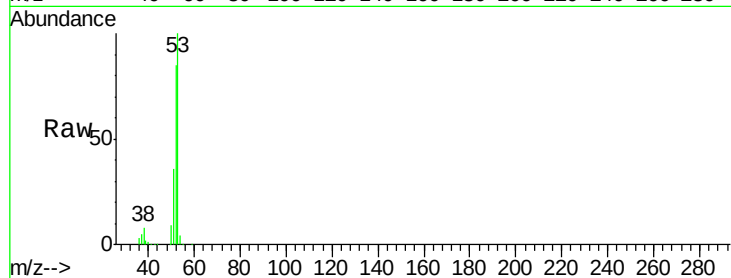
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	248371
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.1	100.7
51	35.4	28.4	42.6

Manual Integrations
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sam
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#16

Acetone

Concen: 238.59 ug/l

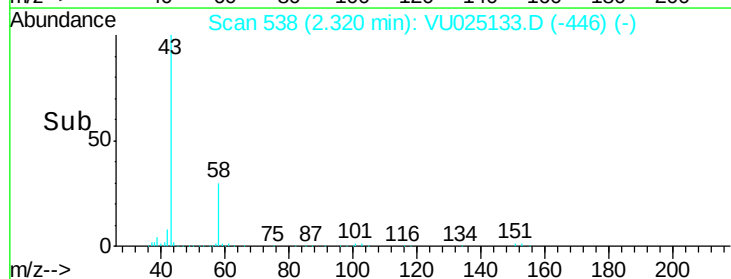
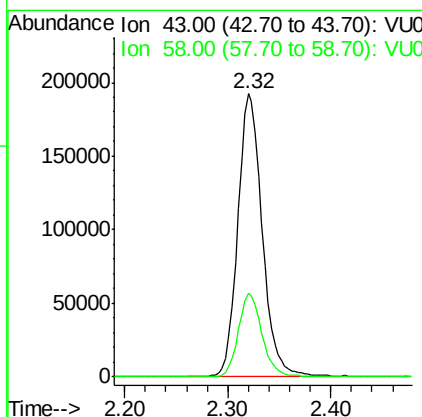
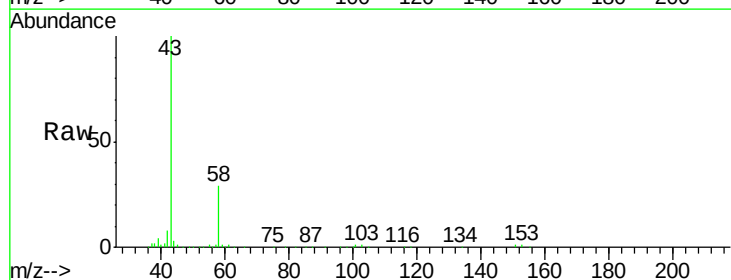
RT: 2.32 min Scan# 538

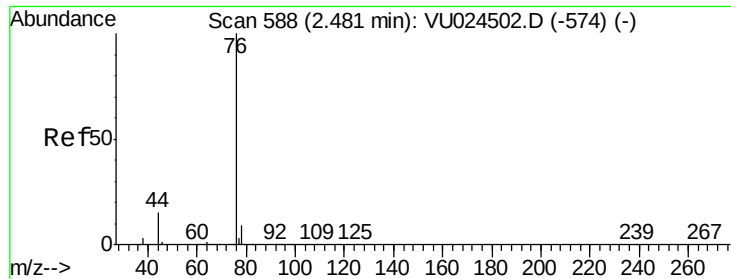
Delta R.T. -0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Tgt Ion:	43	Resp:	315857
Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.4	36.6





#17

Carbon Disulfide

Concen: 39.59 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 217864

Ion Ratio Lower Upper

76 100

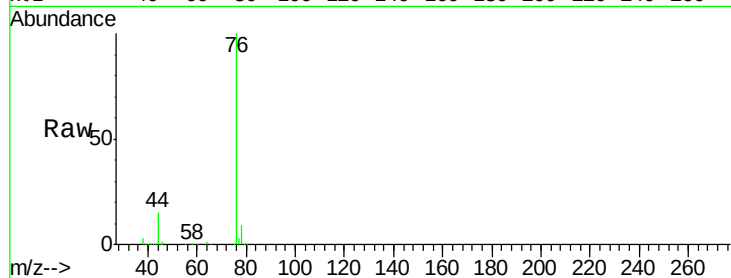
78 8.9 7.1 10.7

Manual Integrations

APPROVED

sam

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Abundance Ion 75.90 (75.60 to 76.60): VU025133.D (-495) (-)

Ion 77.90 (77.60 to 78.60): VU025133.D (-495) (-)

2.48

150000

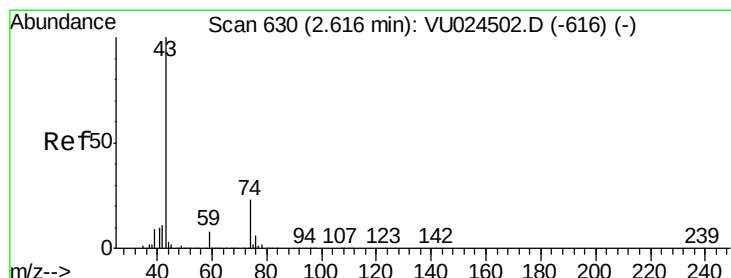
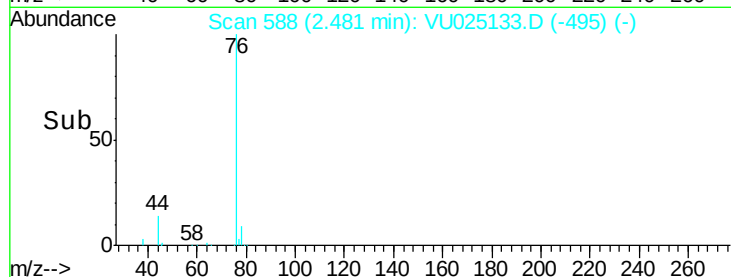
100000

50000

0

2.40 2.45 2.50 2.55

Time-->



#18

Methyl Acetate

Concen: 51.44 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025133.D

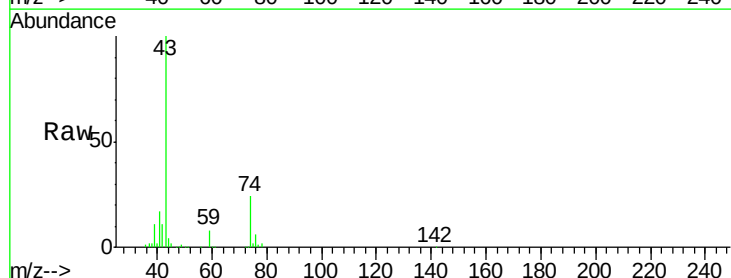
Acq: 02 Jul 2018 10:26

Tgt Ion: 43 Resp: 146005

Ion Ratio Lower Upper

43 100

74 22.9 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU025133.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU025133.D (-537) (-)

2.62

100000

80000

60000

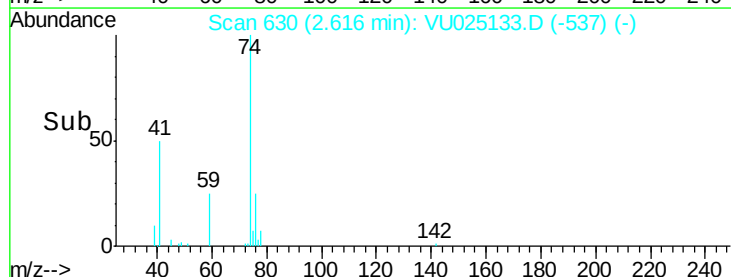
40000

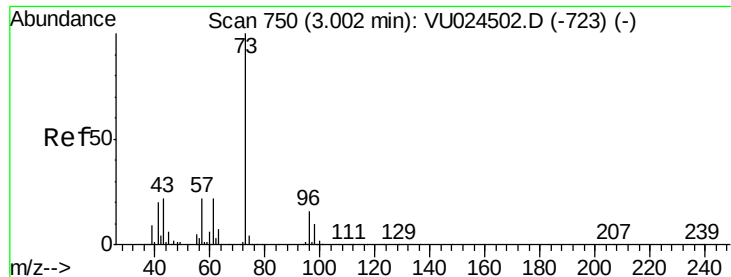
20000

0

2.55 2.60 2.65 2.70

Time-->





#19

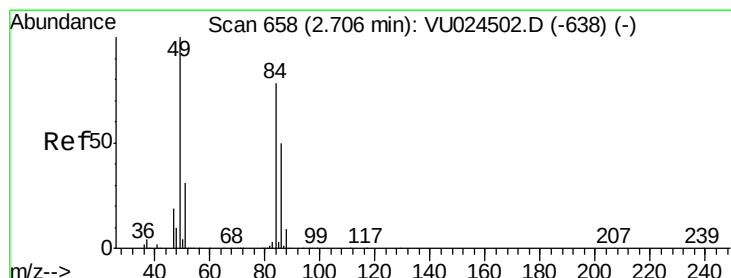
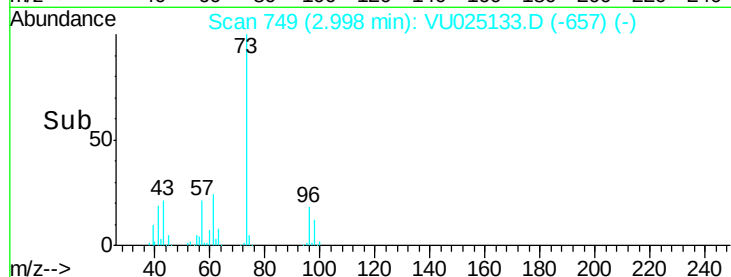
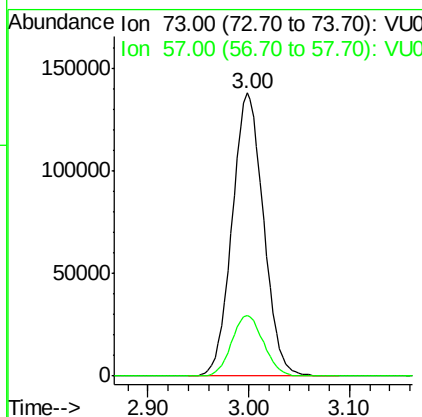
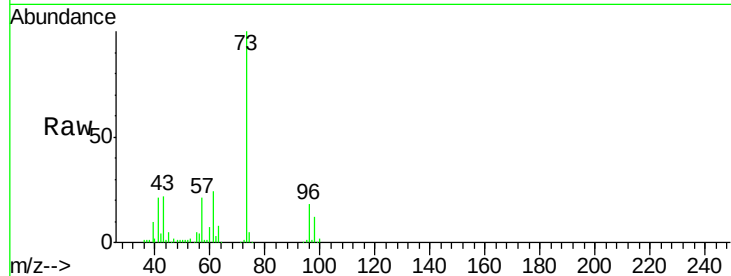
Methyl tert-butyl Ether
 Concen: 46.15 ug/l
 RT: 3.00 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.8	28.2

Manual Integrations
 APPROVED

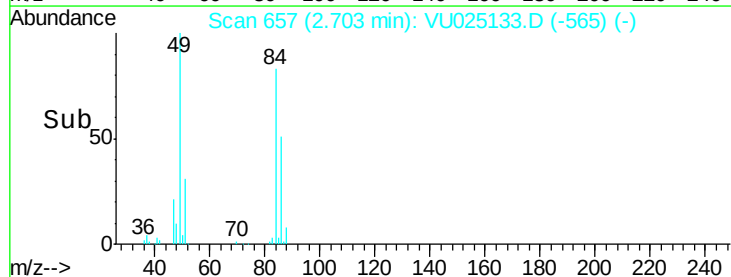
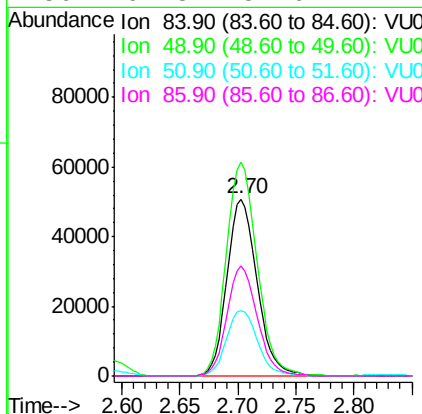
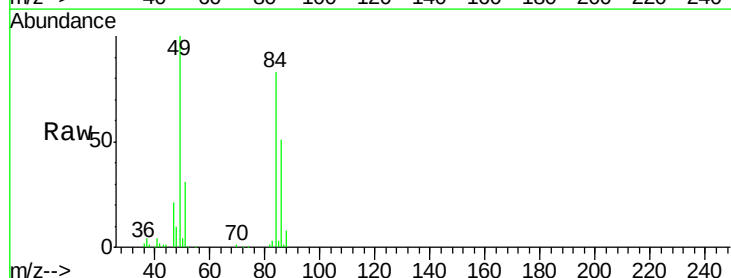
sam
 7/3/2018 3:52:26 PM

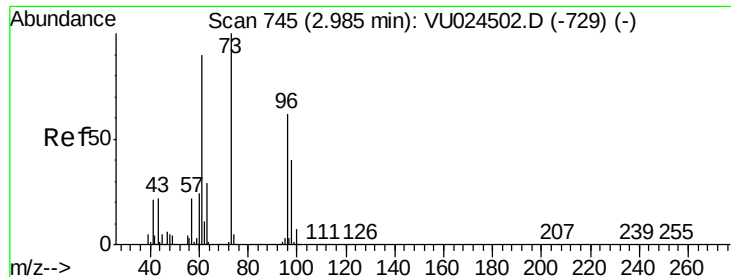


#20

Methylene Chloride
 Concen: 43.96 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.5	103.8	155.8
51	37.2	32.0	48.0
86	61.8	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 45.61 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

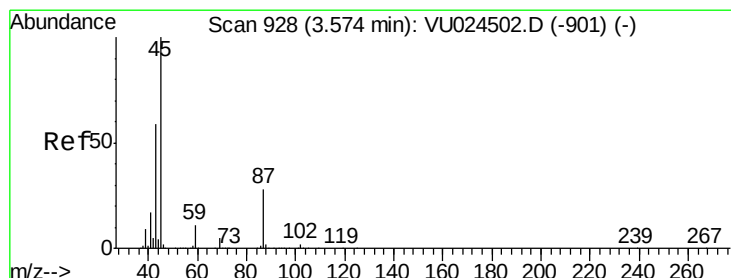
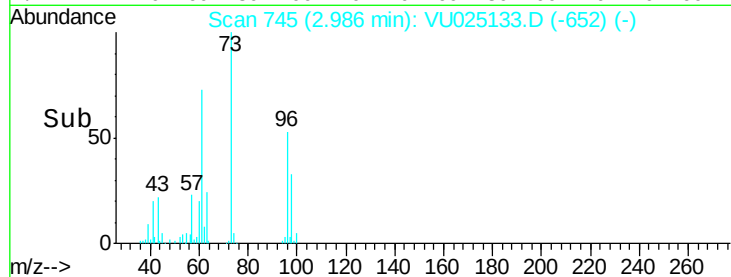
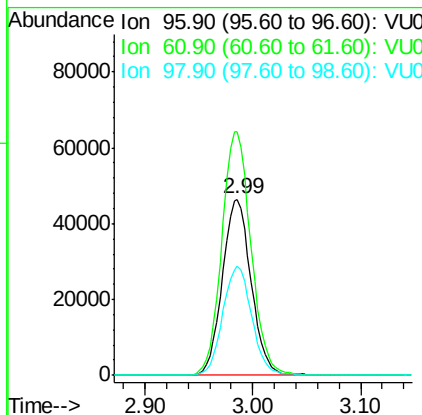
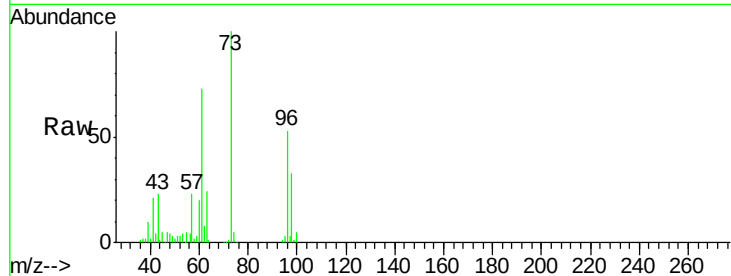
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	86326
Ion	Ratio	Lower	Upper
96	100		
61	137.9	119.4	179.0
98	62.1	51.1	76.7

Manual Integrations
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sam
7/3/2018 3:52:26 PM



#22

Diisopropyl ether

Concen: 45.77 ug/l

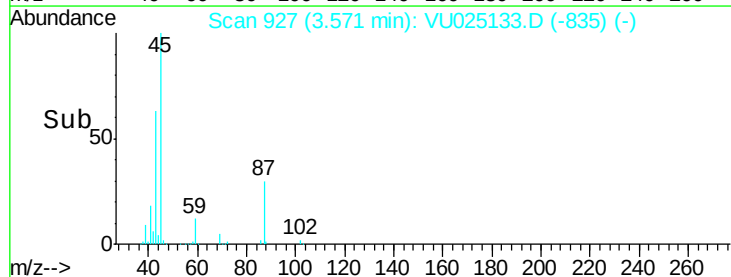
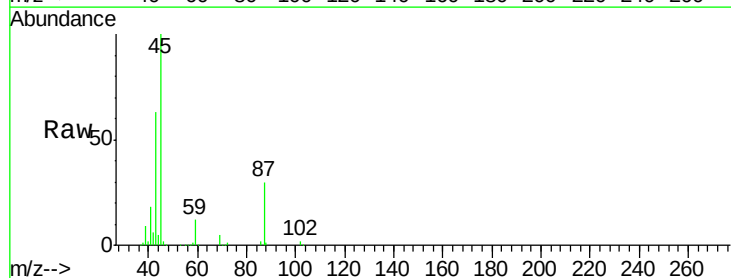
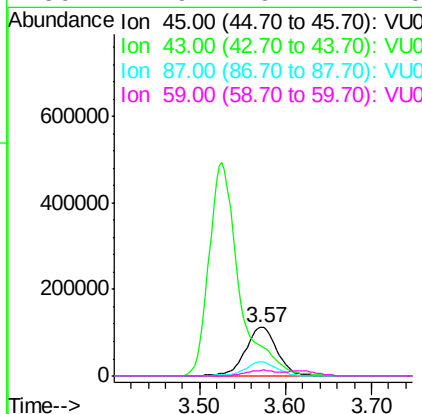
RT: 3.57 min Scan# 927

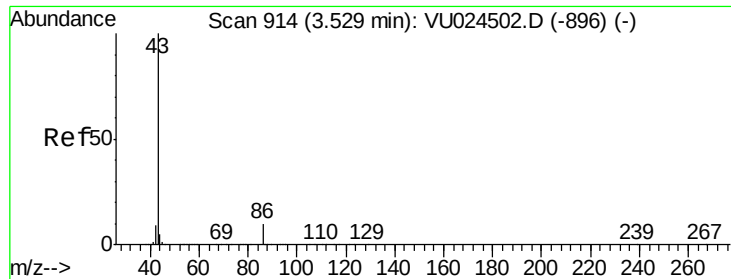
Delta R.T. -0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Tgt Ion:	45	Resp:	289509
Ion	Ratio	Lower	Upper
45	100		
43	61.7	45.8	68.6
87	29.8	20.6	31.0
59	11.9	9.4	14.0





#23

Vinyl Acetate

Concen: 213.56 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Tot Ion: 43 Resp: 1210088

Ion Ratio Lower Upper

43 100

86 10.3 7.8 11.8

Instrument :

MSVOA_U

ClientSampleId :

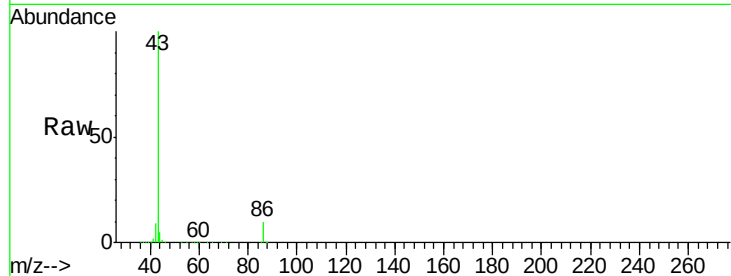
VSTDCCC050

Manual Integrations

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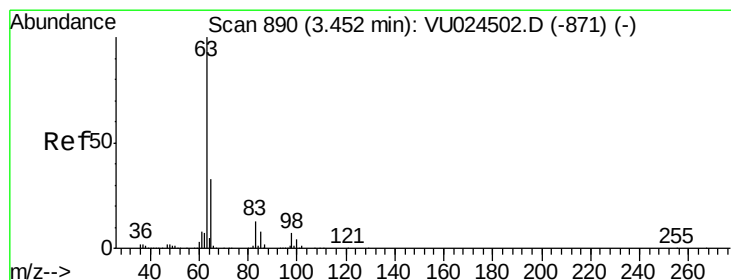
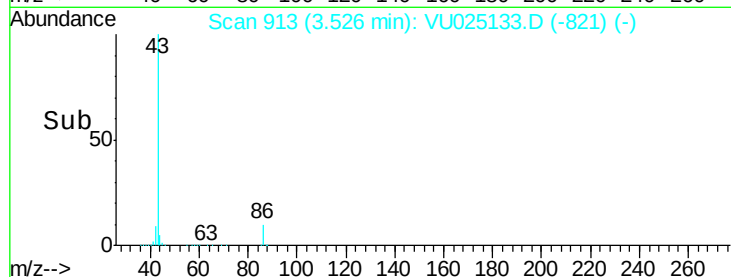
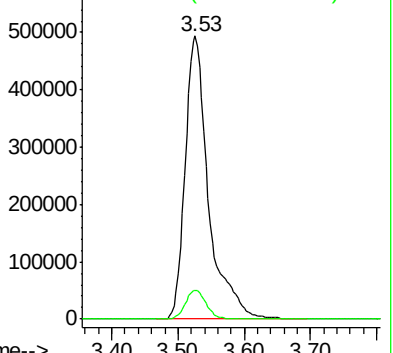
sam

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 45.18 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

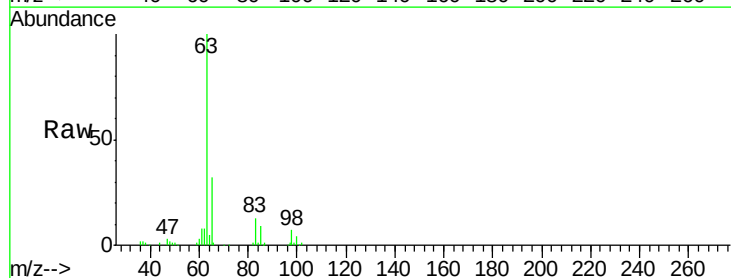
Tgt Ion: 63 Resp: 164408

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

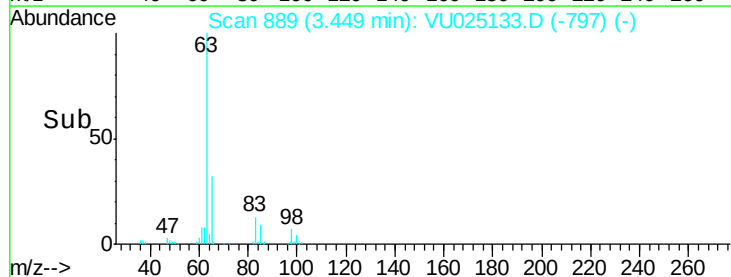
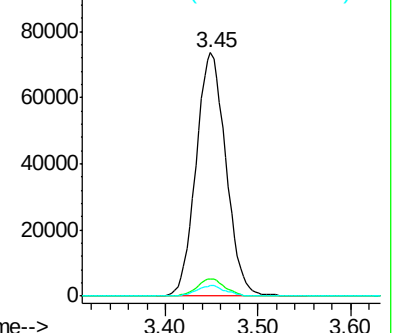
100 4.2 1.8 5.5

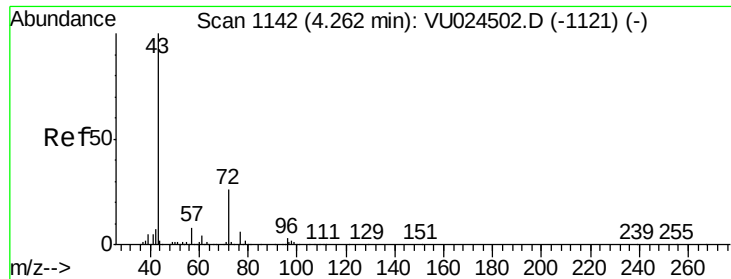


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





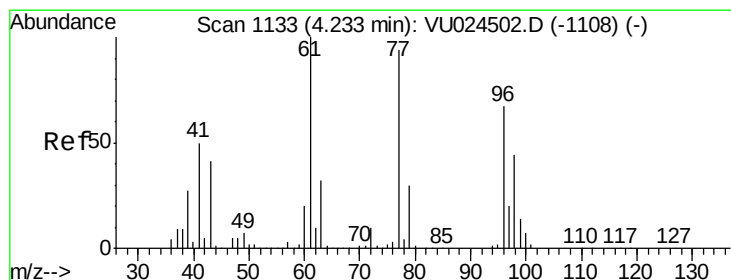
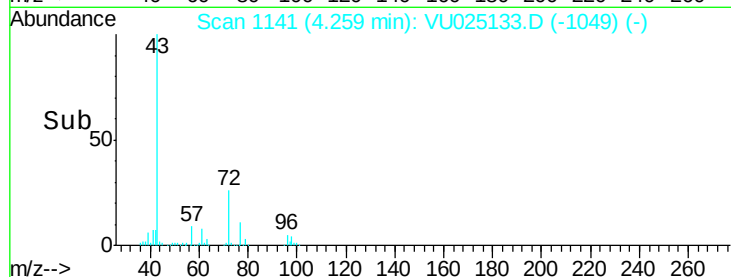
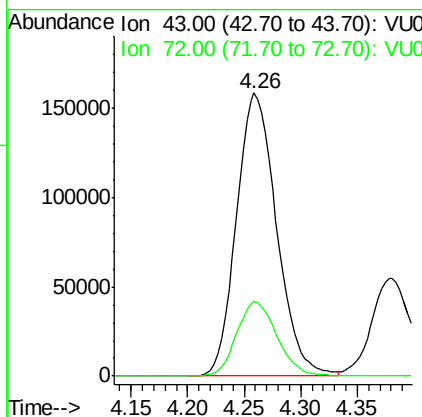
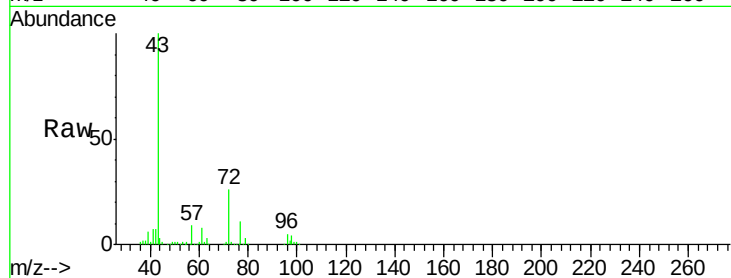
#25
2-Butanone
Concen: 219.77 ug/l
RT: 4.26 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	390803
Ion Ratio	100	Lower	Upper
72	26.4	19.6	29.4

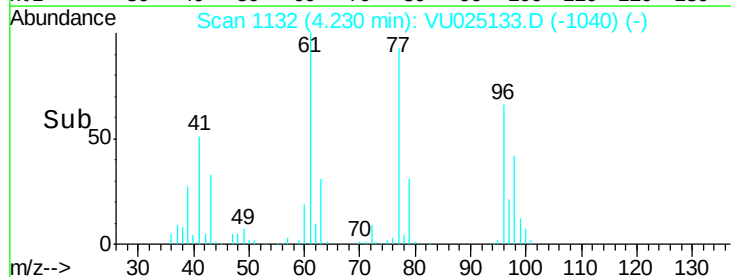
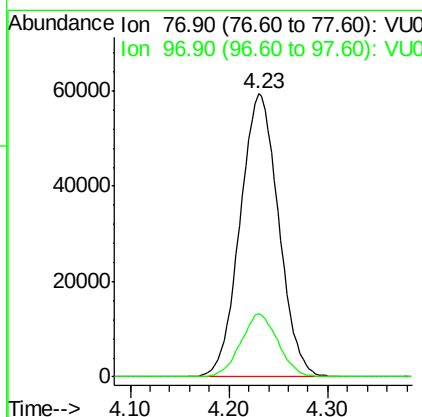
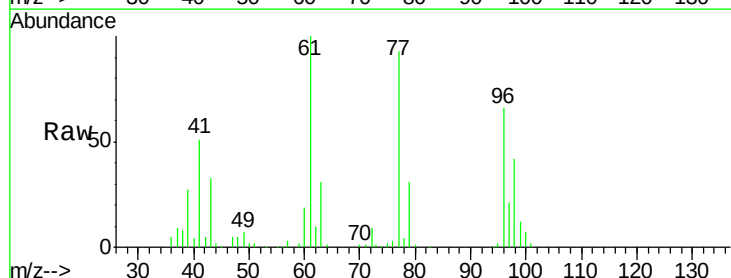
Manual Integrations
APPROVED

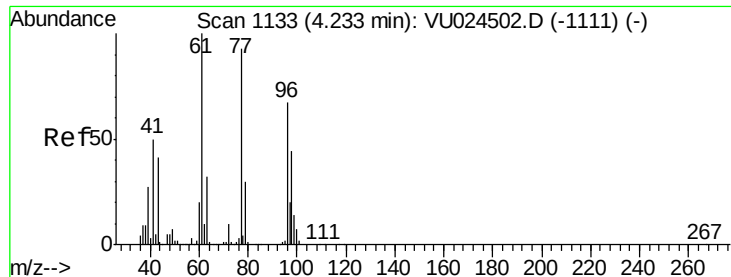
sam
7/3/2018 3:52:26 PM



#26
2,2-Dichloropropane
Concen: 46.40 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Tgt Ion	77	Resp	160317
Ion Ratio	100	Lower	Upper
97	21.5	11.3	33.8





#27

cis-1,2-Dichloroethene

Concen: 45.88 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

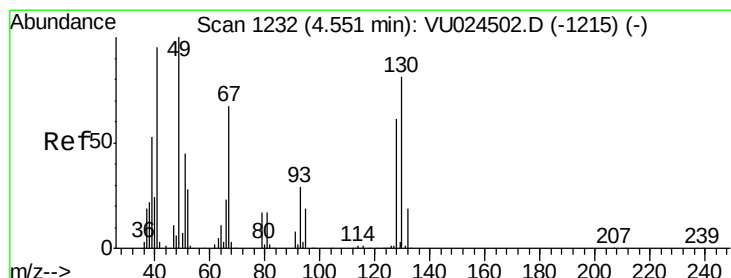
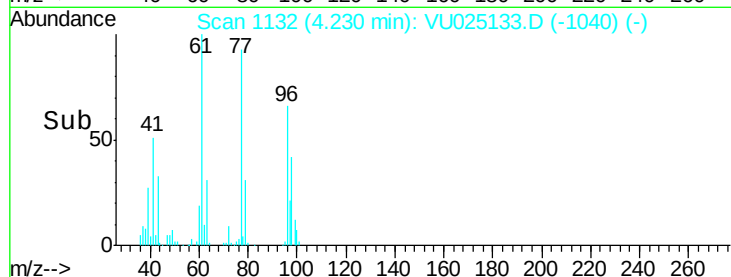
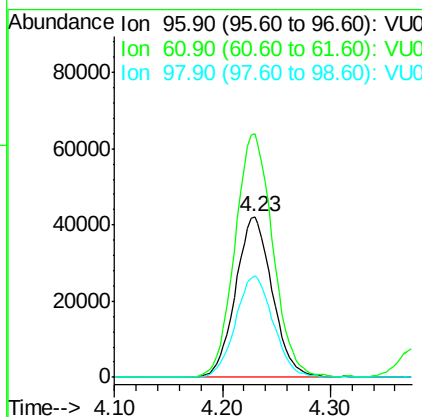
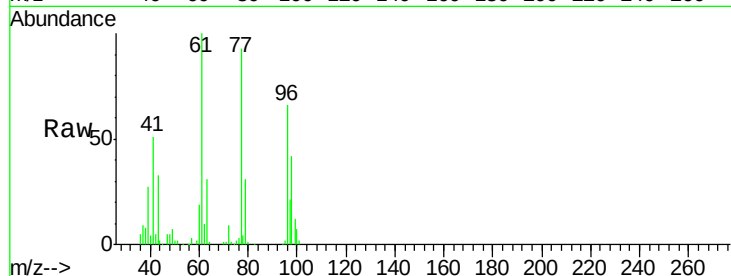
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	99838
Ion	Ratio	Lower	Upper
96	100		
61	156.4	0.0	306.6
98	65.1	0.0	128.8

Manual Integrations
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#28

Bromochloromethane

Concen: 45.09 ug/l

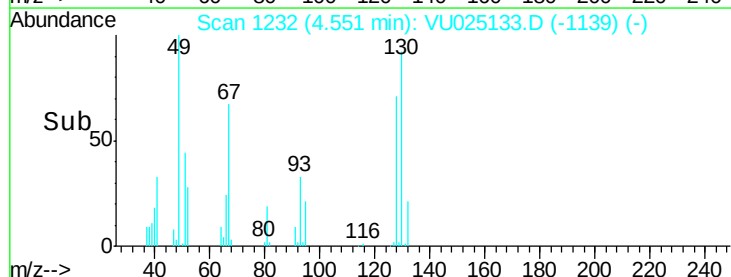
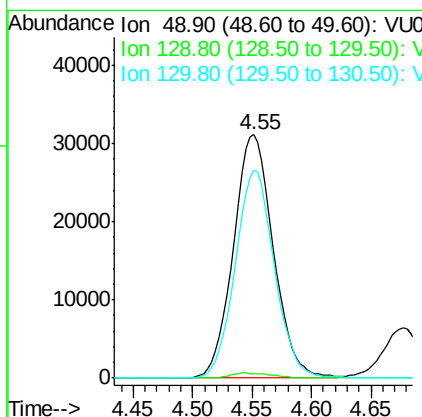
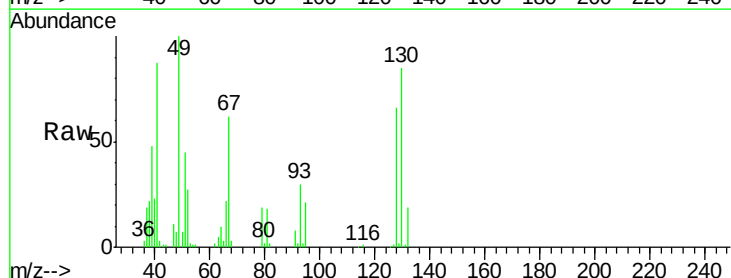
RT: 4.55 min Scan# 1232

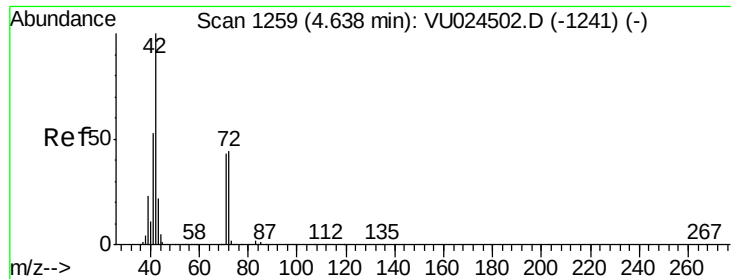
Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Tgt Ion:	49	Resp:	72272
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	84.0	57.8	86.6





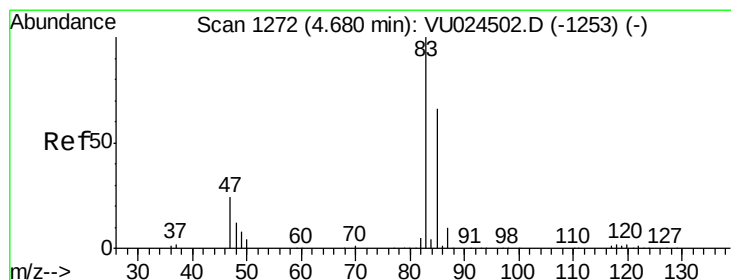
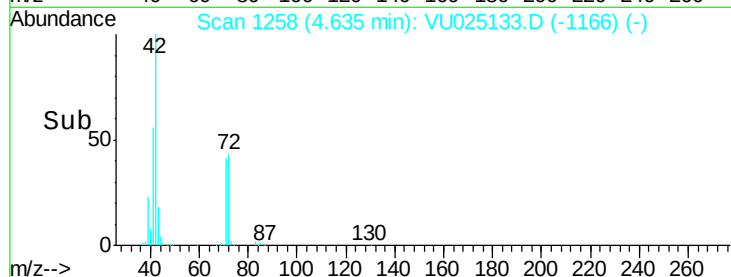
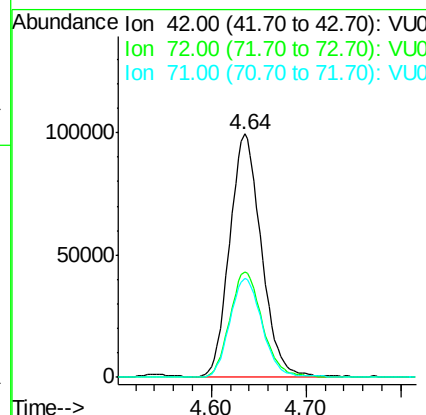
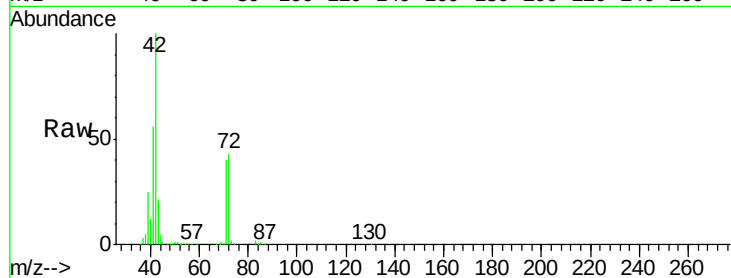
#29
Tetrahydrofuran
Concen: 209.80 ug/l
RT: 4.64 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.5	51.7
71	41.5	32.2	48.4

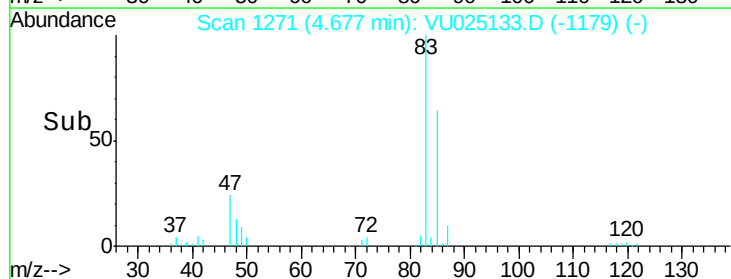
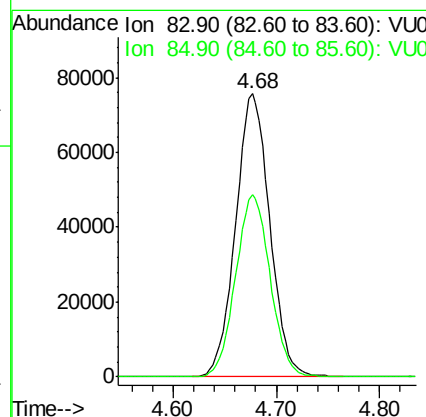
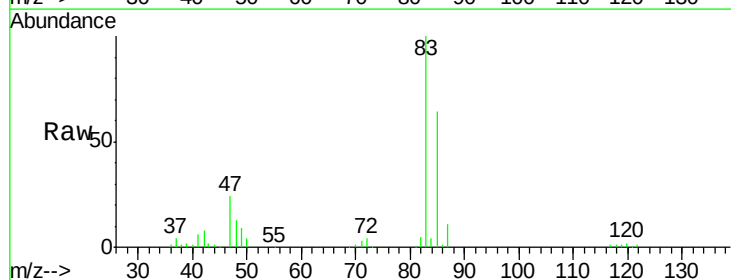
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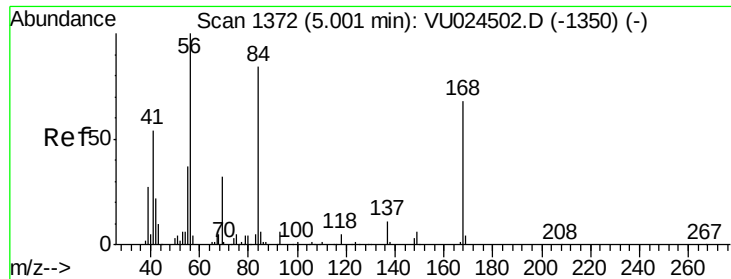
sam
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#30
Chloroform
Concen: 47.42 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.4	78.6





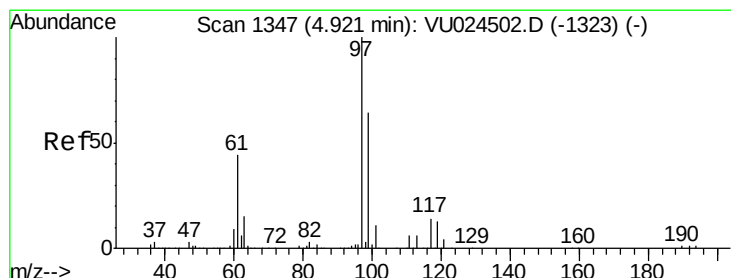
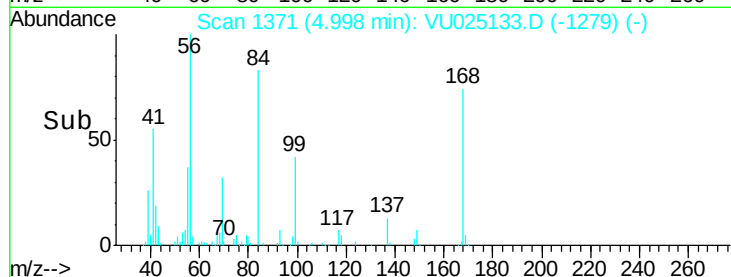
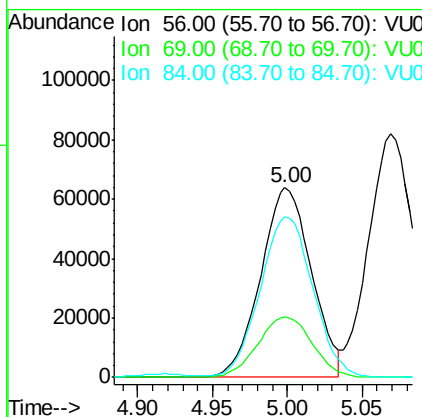
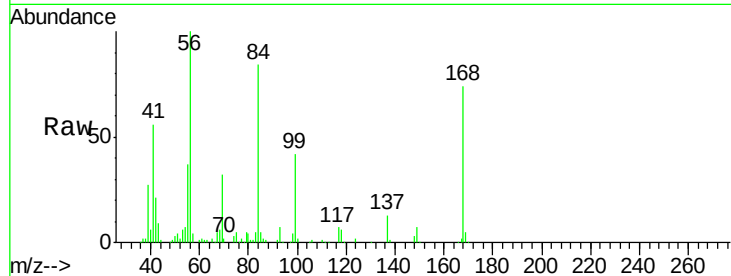
#31
Cyclohexane
Concen: 46.42 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	24.8	37.2
84	83.3	65.2	97.8

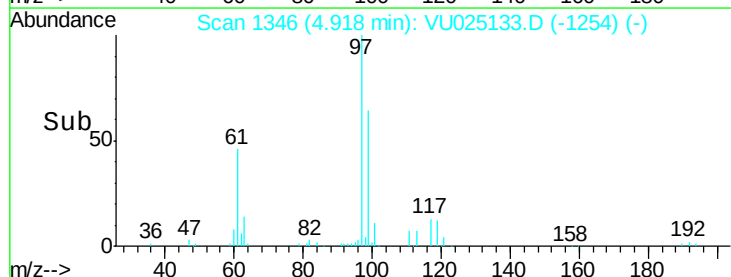
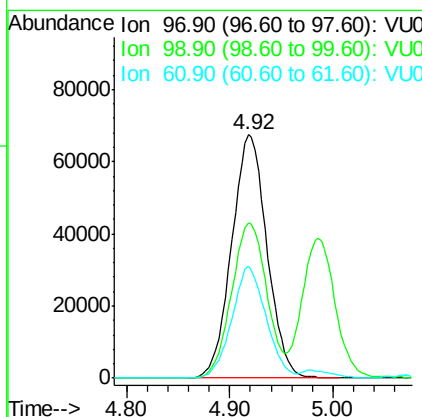
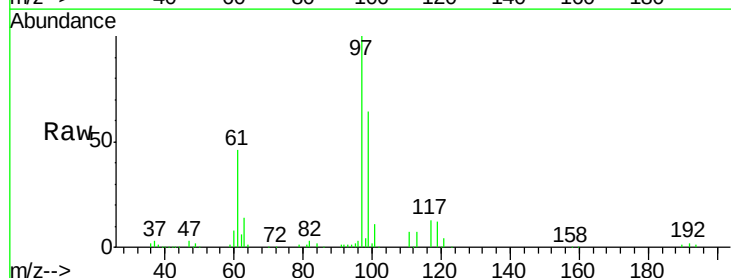
Manual Integrations
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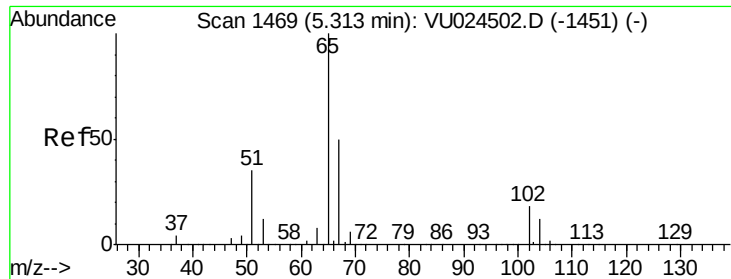
sam
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#32
1,1,1-Trichloroethane
Concen: 47.20 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.6
61	44.3	39.4	59.0





#33

1,2-Dichloroethane-d4

Concen: 46.96 ug/l

RT: 5.31 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 115714

Ion Ratio Lower Upper

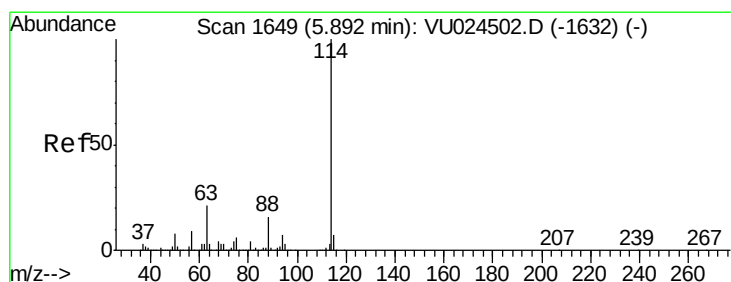
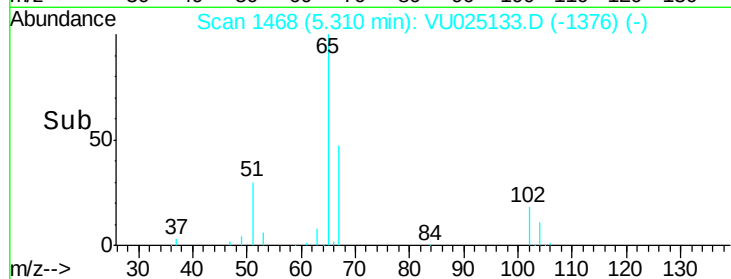
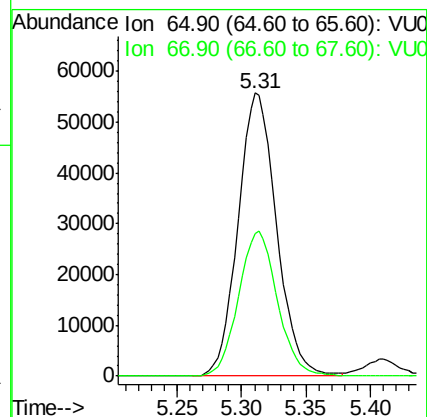
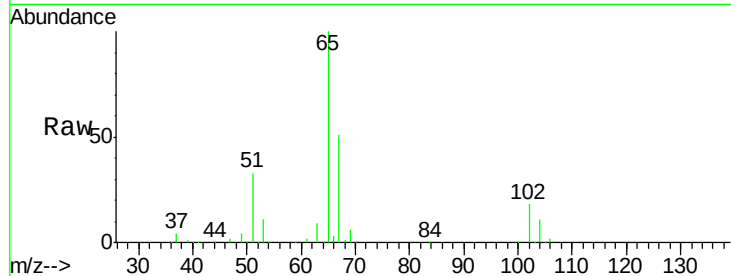
65 100

67 51.5 0.0 107.0

Manual Integrations
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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: VU025133.D

Acq: 02 Jul 2018 10:26

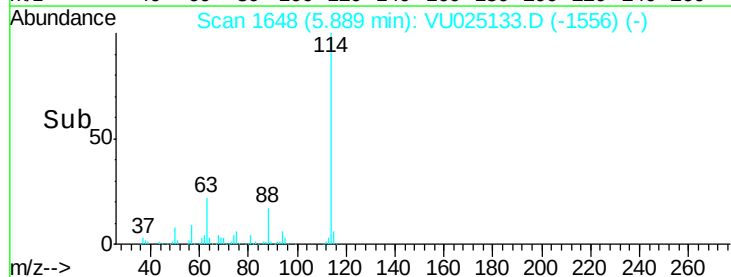
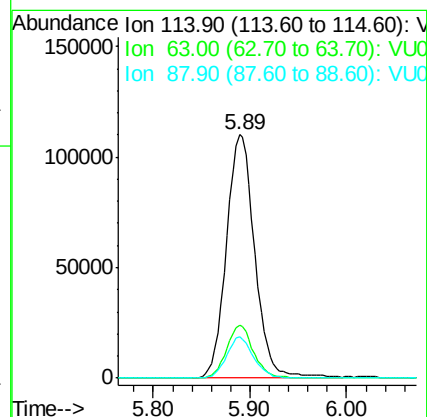
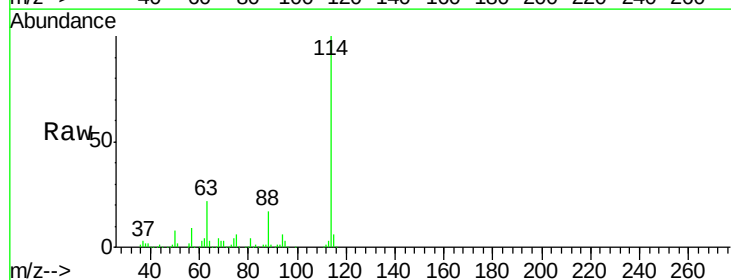
Tgt Ion: 114 Resp: 224770

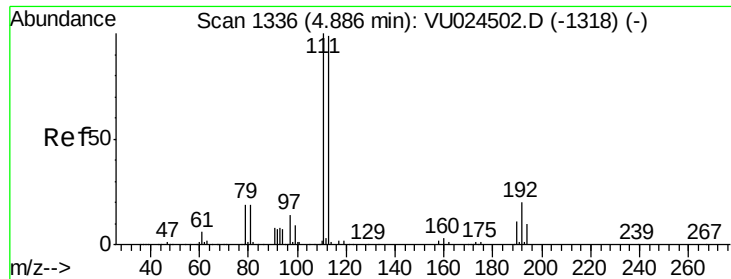
Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.4

88 16.8 0.0 31.0





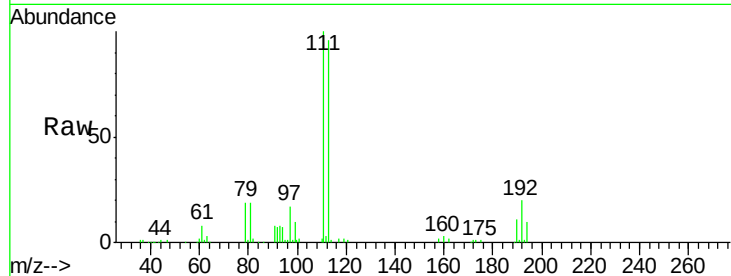
#35
 Dibromofluoromethane
 Concen: 51.19 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

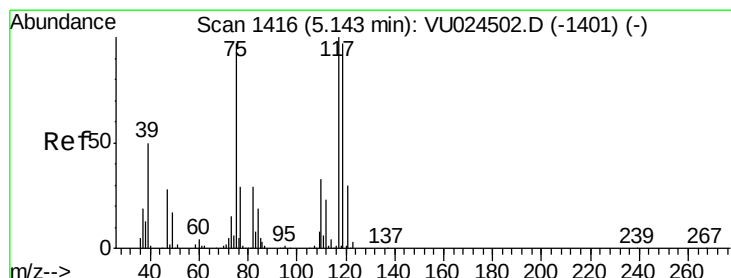
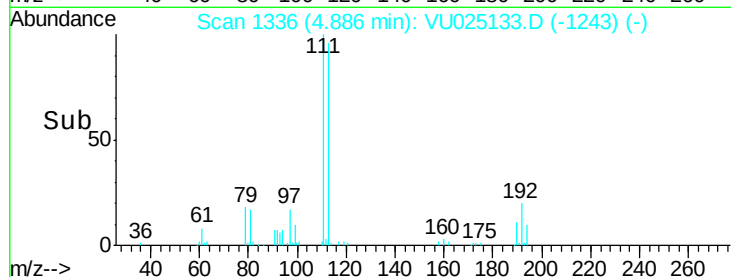
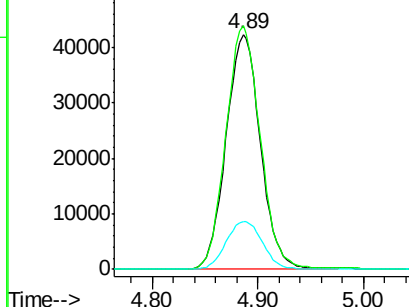
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.4
192	21.4	16.2	24.4

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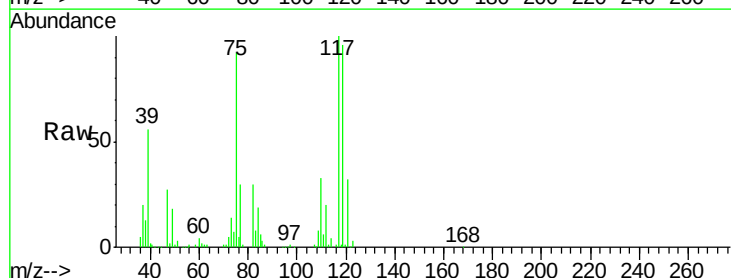


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

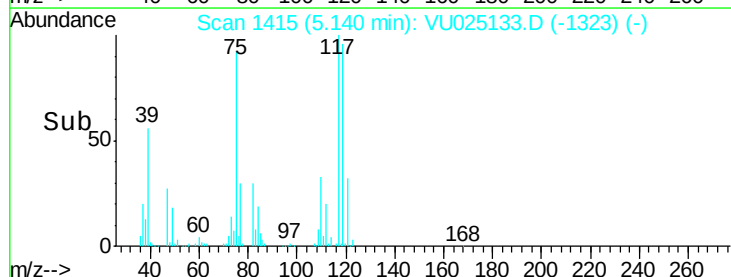
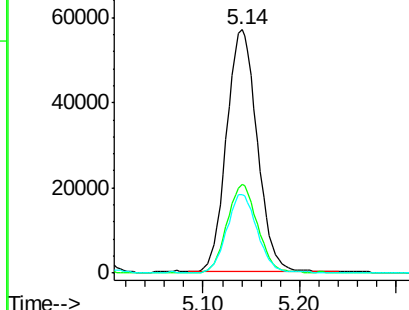


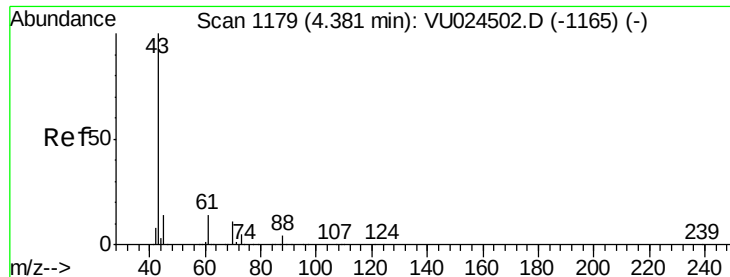
#36
 1,1-Dichloropropene
 Concen: 47.40 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.0	50.9
77	32.3	24.2	36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





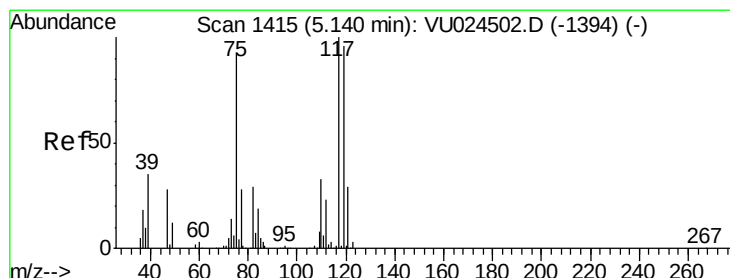
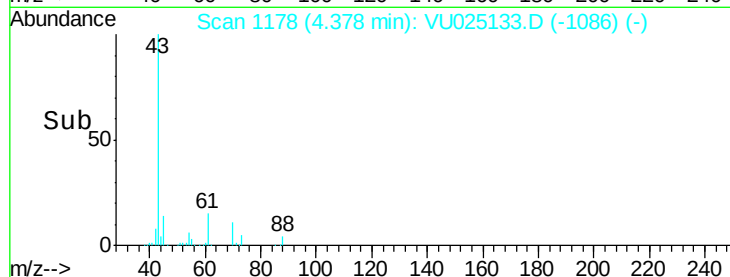
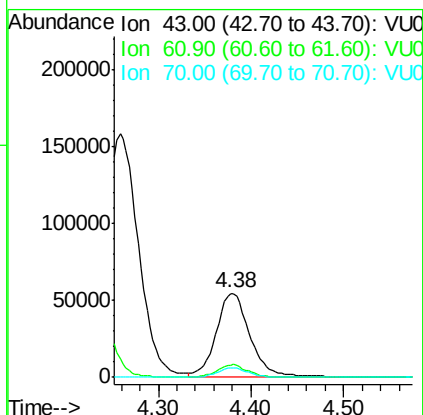
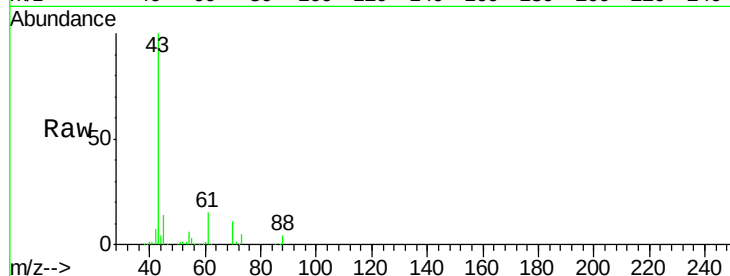
#37
Ethyl Acetate
Concen: 46.94 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	10.6	7.4	11.2

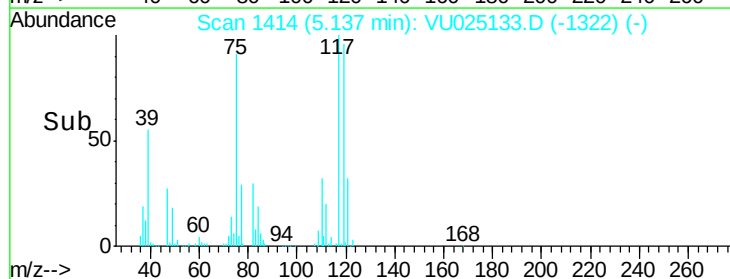
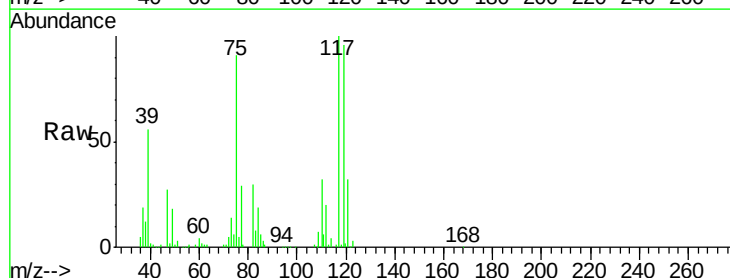
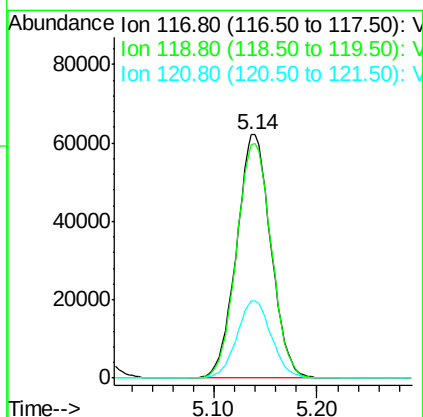
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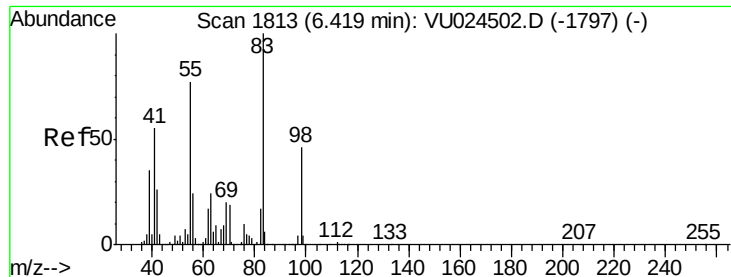
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#38
Carbon Tetrachloride
Concen: 49.40 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.1	114.1
121	31.5	23.7	35.5





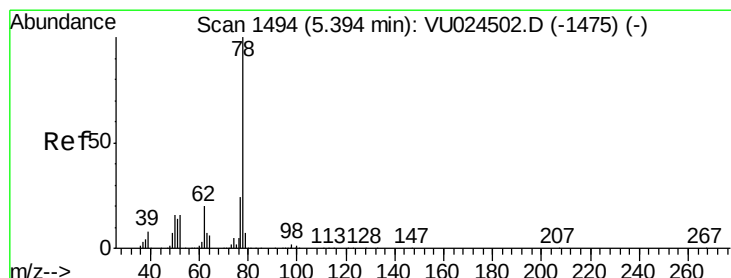
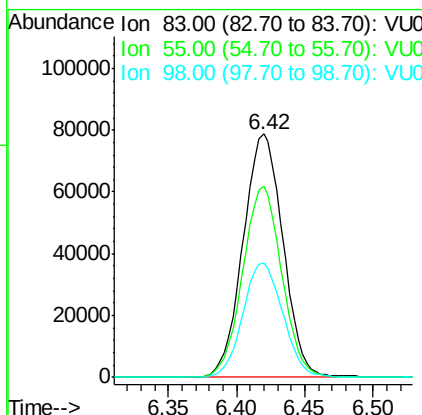
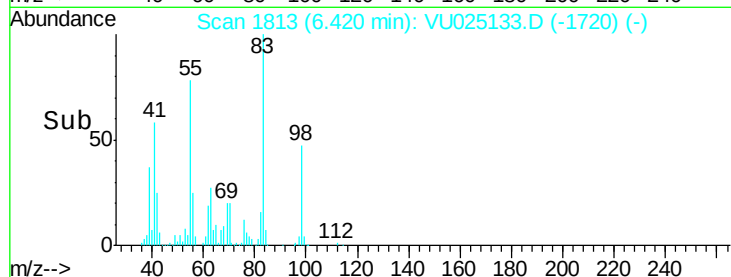
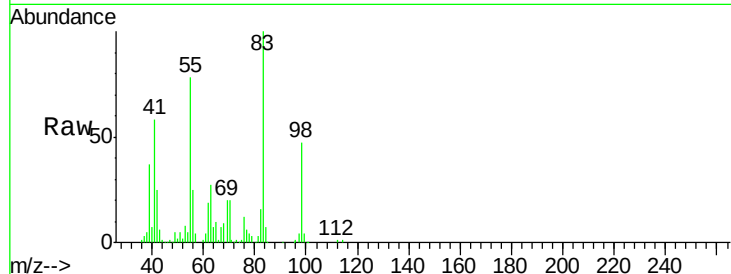
#39
Methylvlcyclohexane
Concen: 48.50 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	159861		
55	78.3		65.8	98.6
98	46.7		36.7	55.1

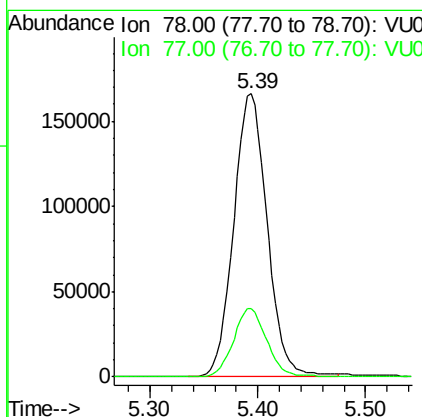
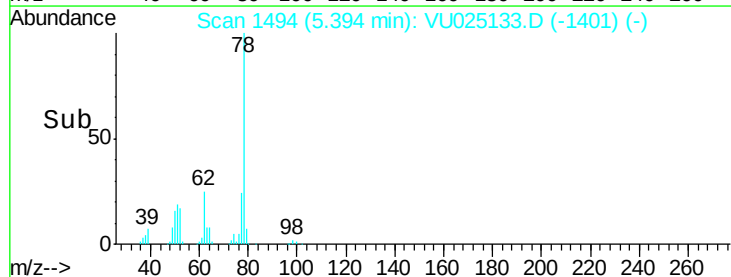
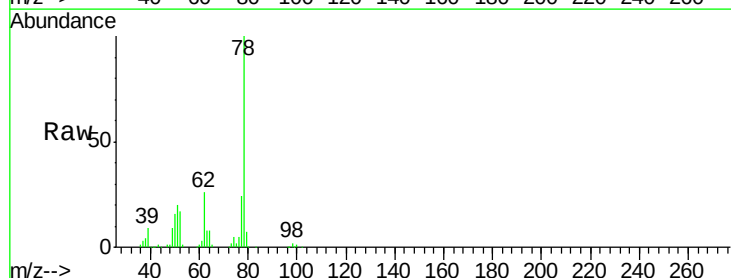
Manual Integrations
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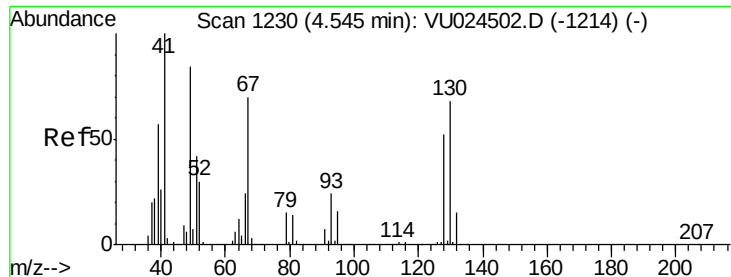
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#40
Benzene
Concen: 47.85 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	360109		
77	24.0		19.2	28.8





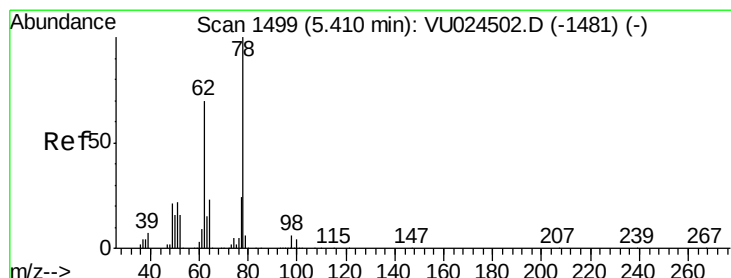
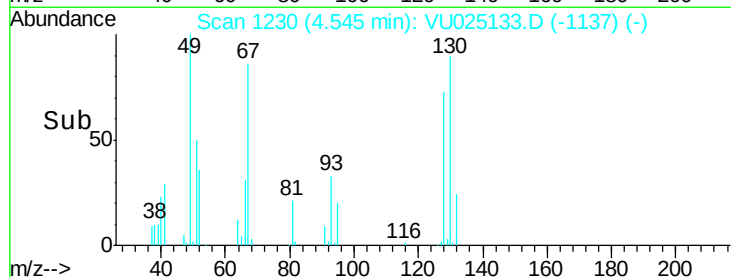
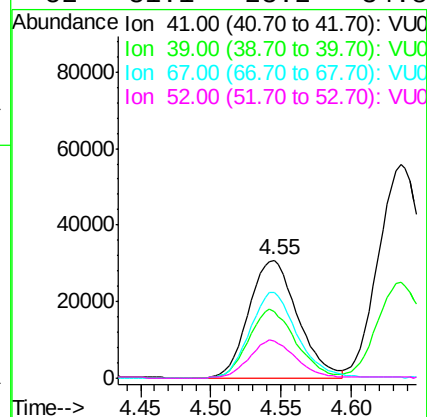
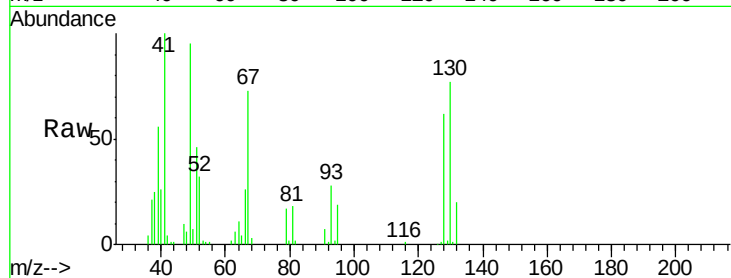
#41
Methacrylonitrile
Concen: 48.24 ug/l
RT: 4.55 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.7	43.8	65.6	
67	70.7	56.3	84.5	
52	31.1	23.2	34.8	

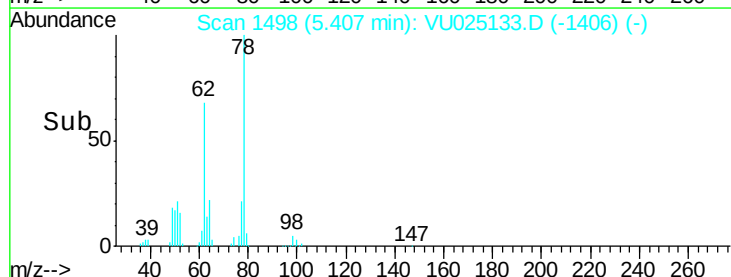
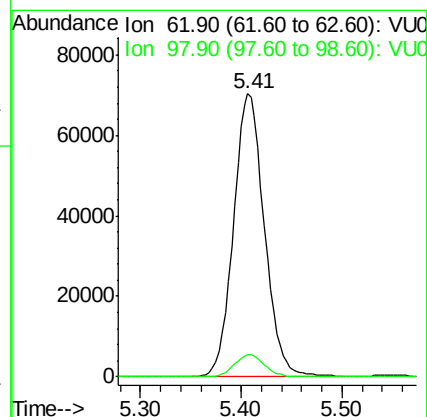
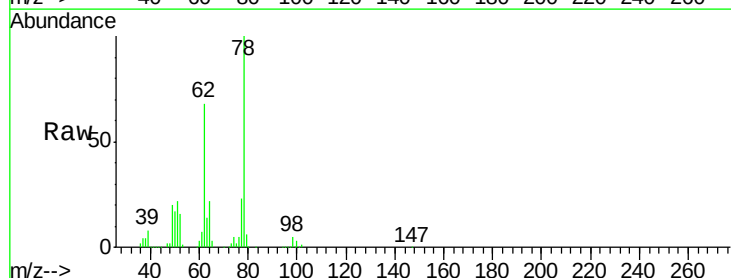
Manual Integrations
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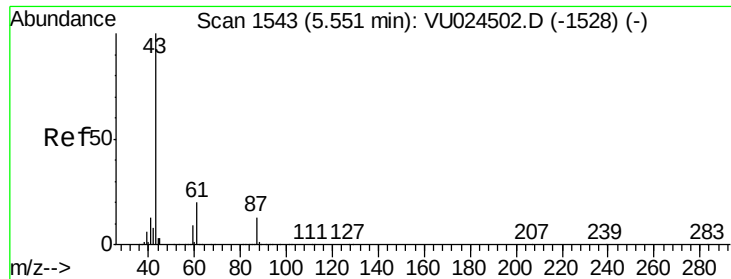
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#42
1,2-Dichloroethane
Concen: 52.20 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.7	0.0	16.6	





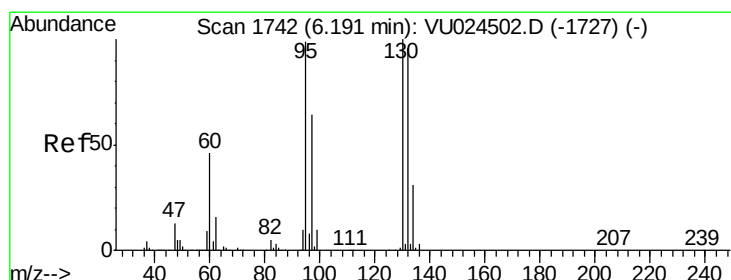
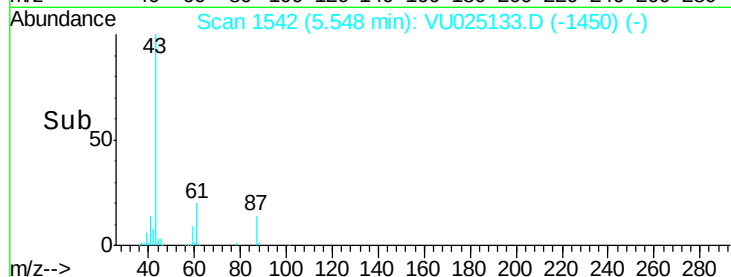
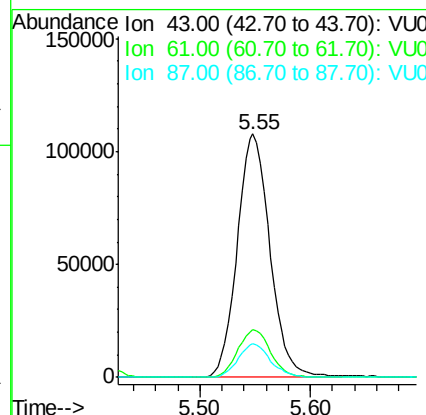
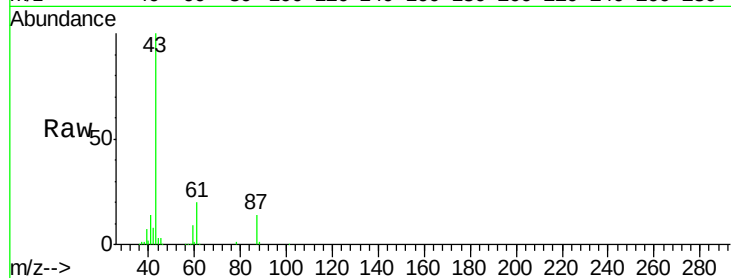
#43
Isopropyl Acetate
Concen: 44.38 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

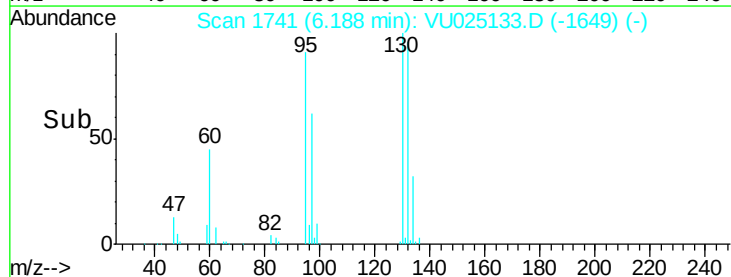
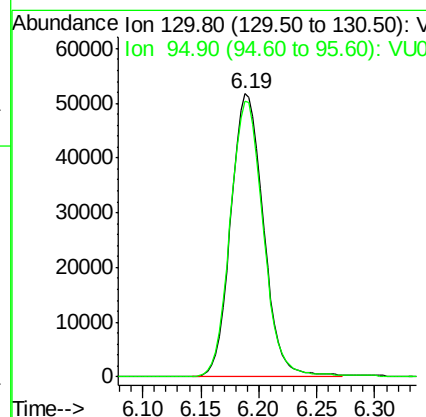
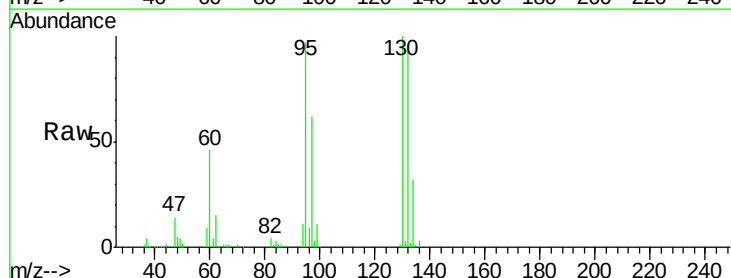
Manual Integrations
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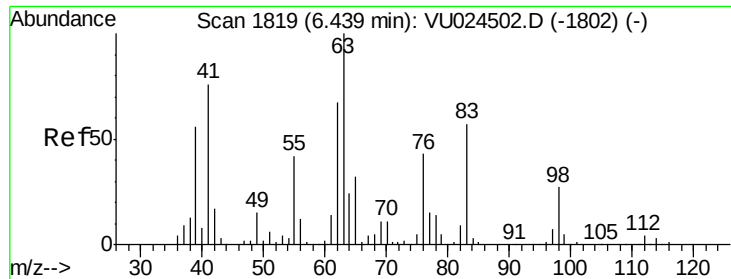
sam
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#44
Trichloroethene
Concen: 47.22 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	202.4





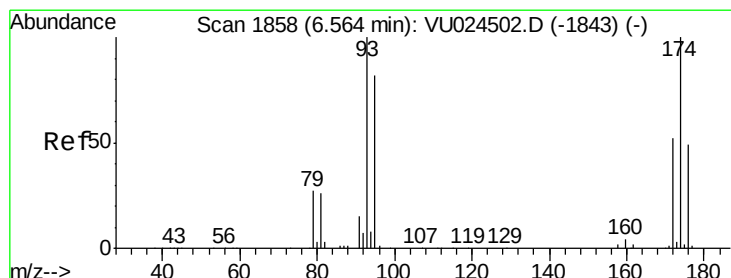
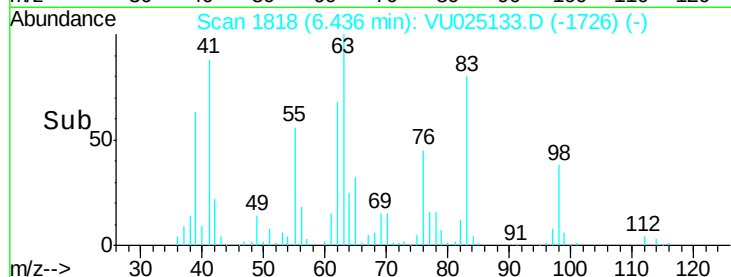
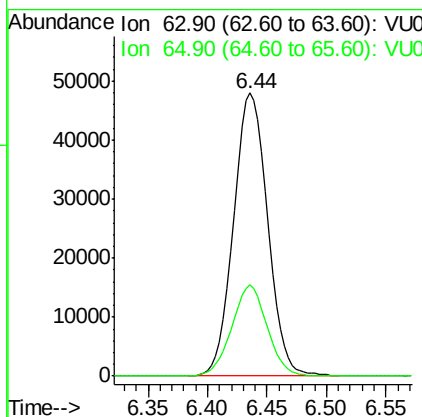
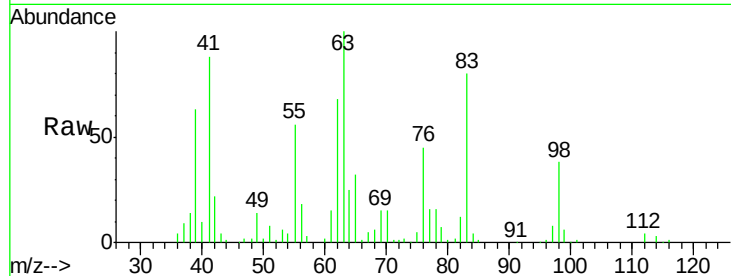
#45
 1,2-Dichloropropane
 Concen: 47.62 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 95623
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.8 37.2

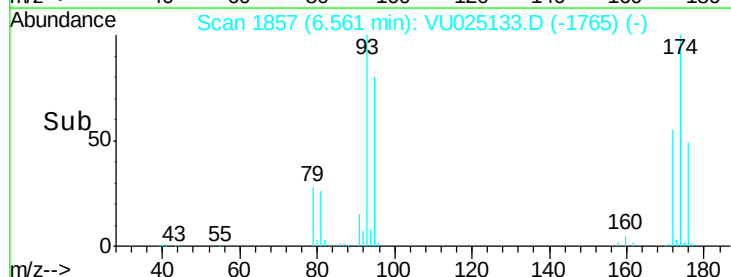
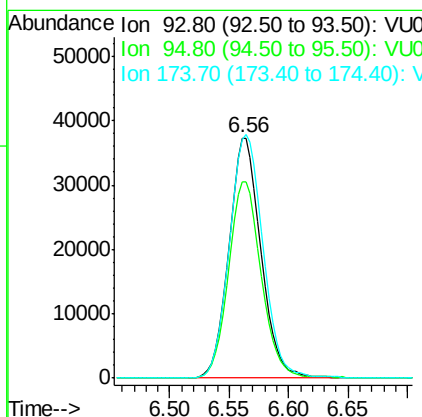
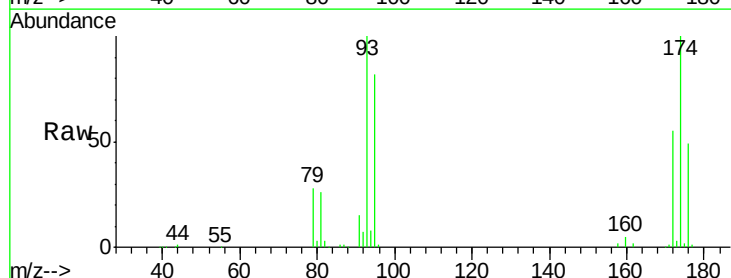
Manual Integrations
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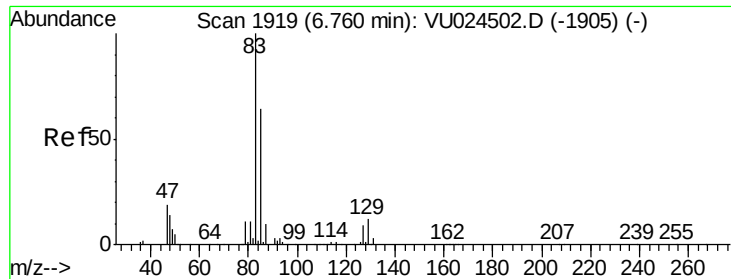
sam
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#46
 Dibromomethane
 Concen: 49.46 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Tgt Ion: 93 Resp: 69761
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.5 98.3
 174 105.9 78.7 118.1





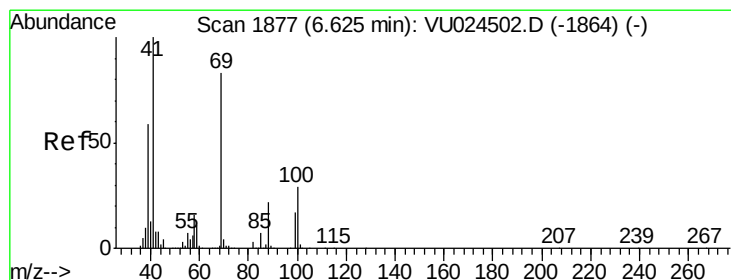
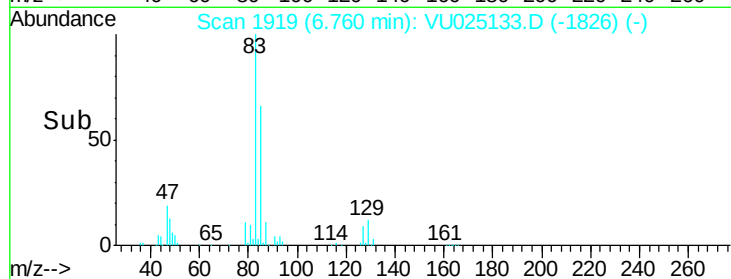
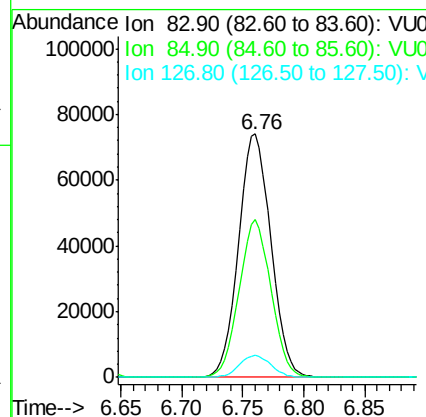
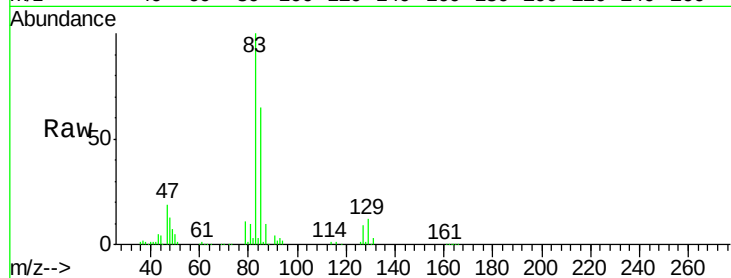
#47
 Bromodichloromethane
 Concen: 48.56 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	136394		
85	64.7	51.9	77.9	
127	9.0	6.6	9.8	

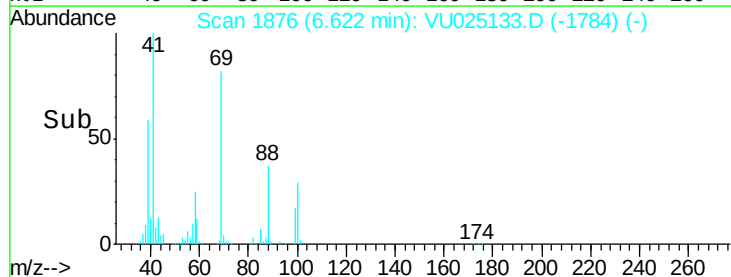
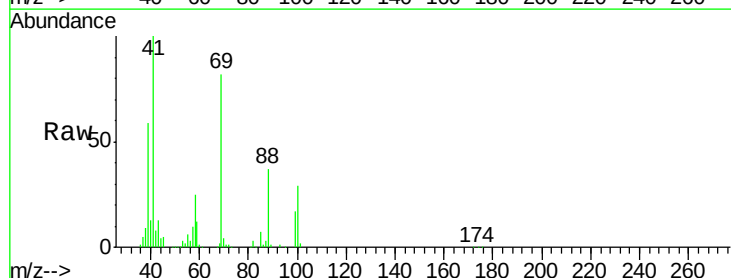
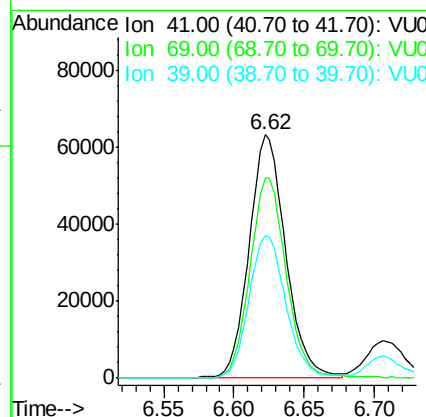
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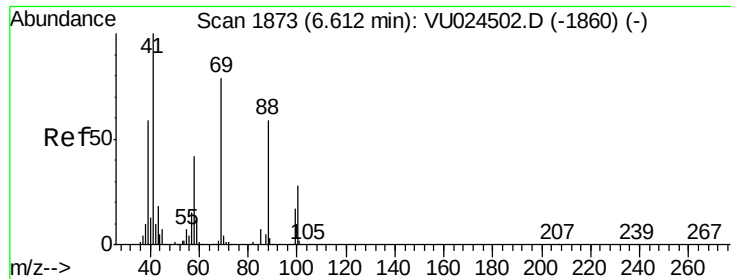
sam
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#48
 Methyl methacrylate
 Concen: 47.00 ug/l
 RT: 6.62 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	113890		
69	82.3	67.3	100.9	
39	59.9	46.5	69.7	





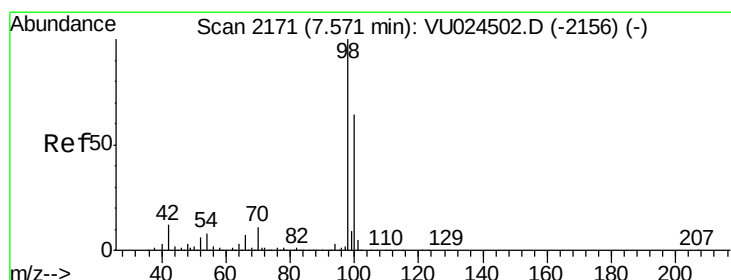
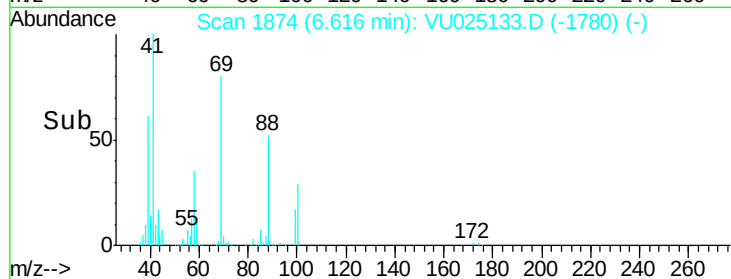
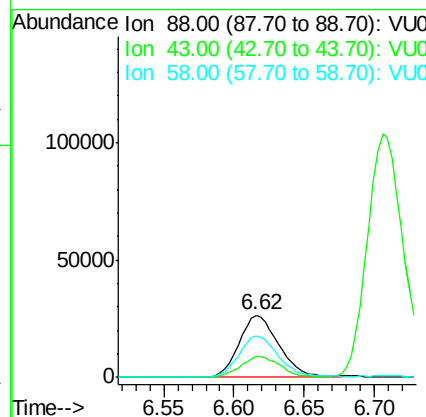
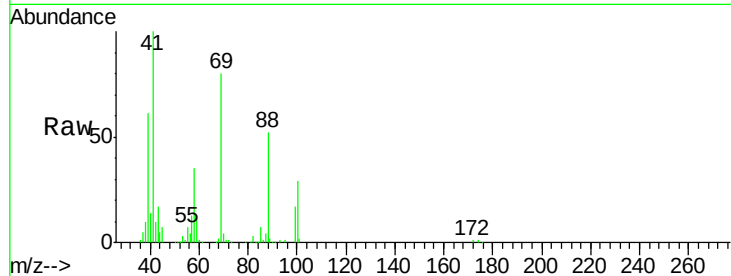
#49
1,4-Dioxane
Concen: 1105.70 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	28.6	42.8
58	67.0	58.2	87.4

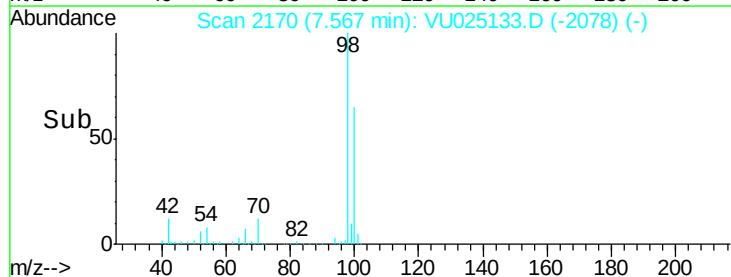
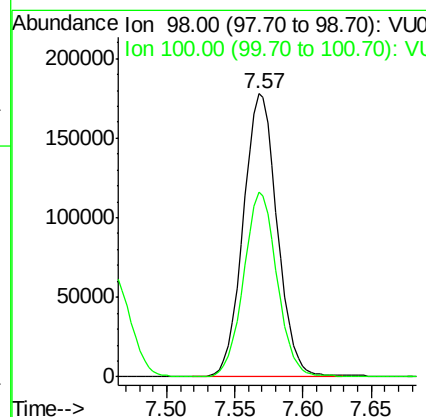
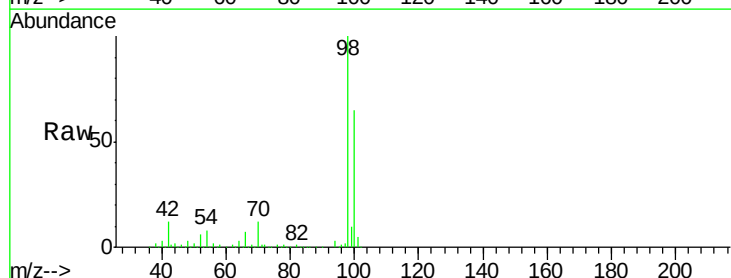
Manual Integrations
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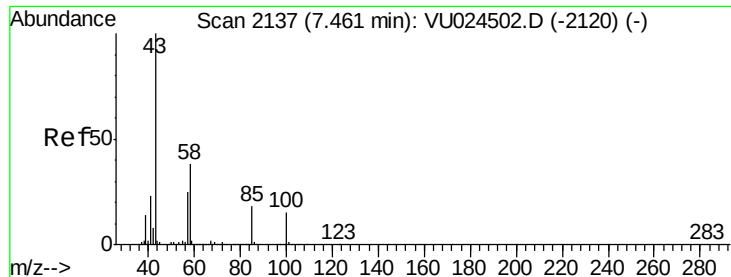
sam
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#50
Toluene-d8
Concen: 45.19 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 224.64 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 702266

Ion Ratio Lower Upper

43 100

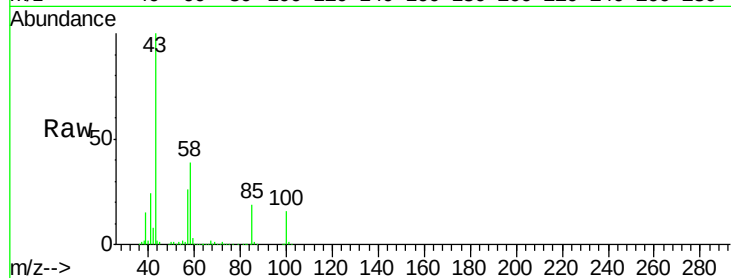
58 38.8 30.0 45.0

Manual Integrations

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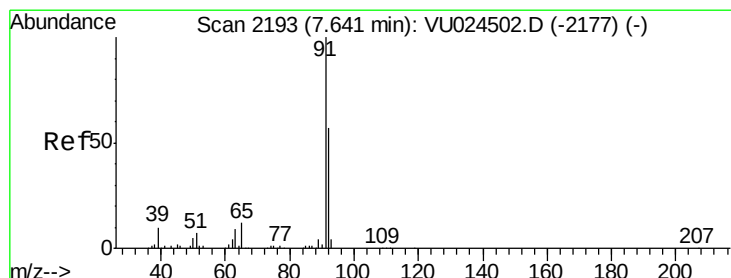
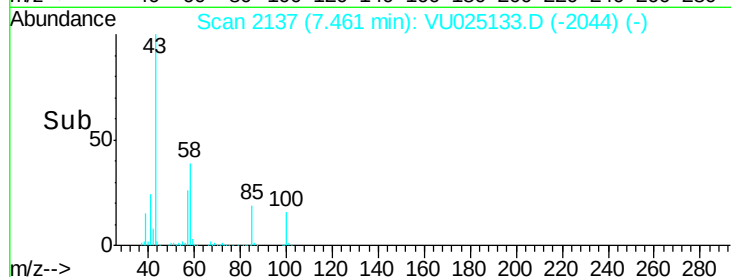
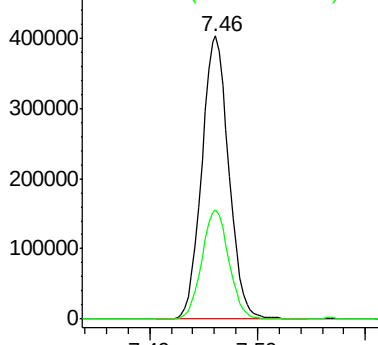
sam

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 48.95 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025133.D

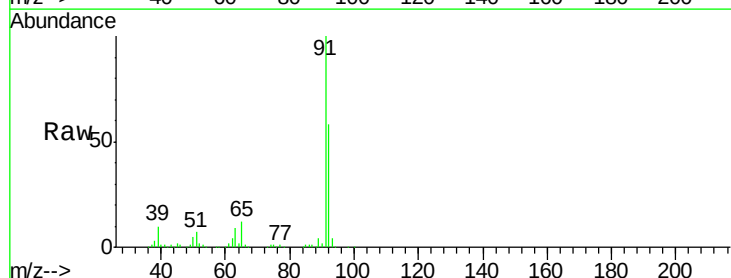
Acq: 02 Jul 2018 10:26

Tgt Ion: 92 Resp: 237022

Ion Ratio Lower Upper

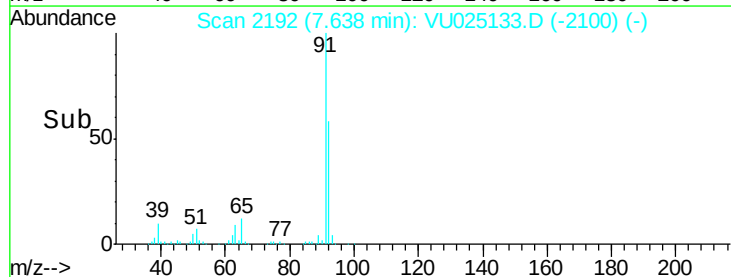
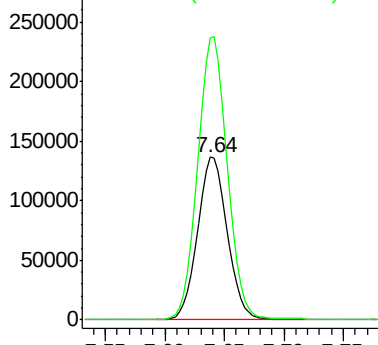
92 100

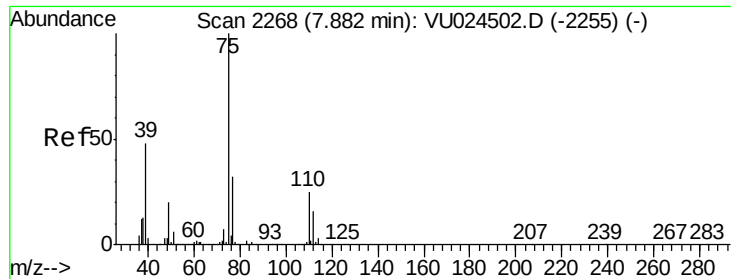
91 173.7 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 46.57 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 146879

Ion Ratio Lower Upper

75 100

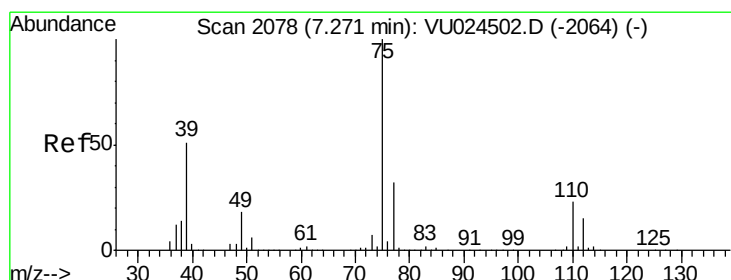
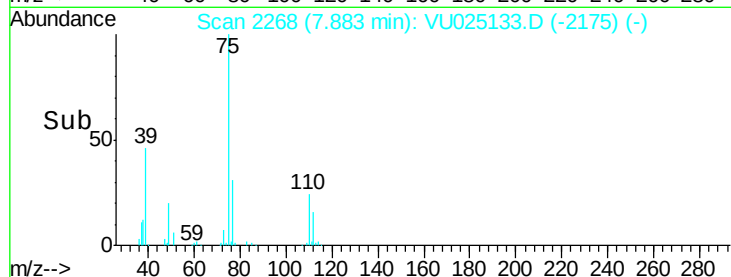
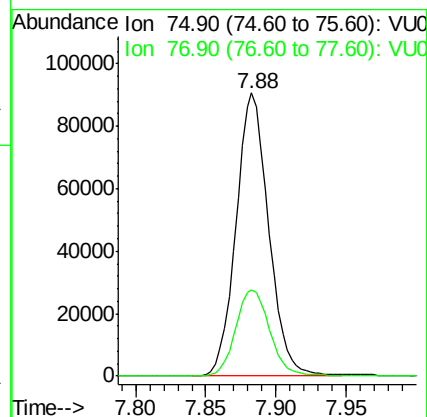
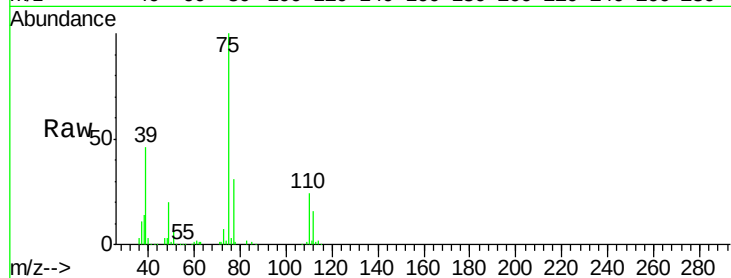
77 30.7 24.8 37.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 45.91 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

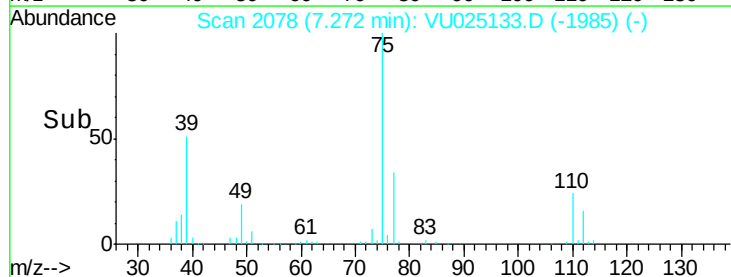
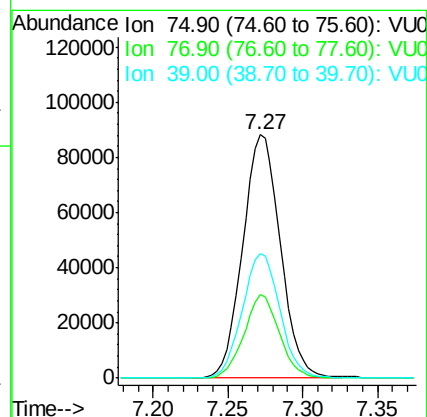
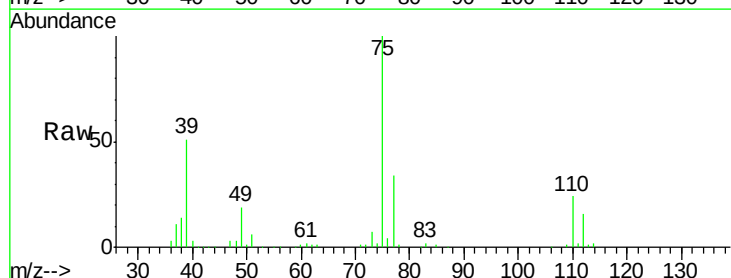
Tgt Ion: 75 Resp: 154294

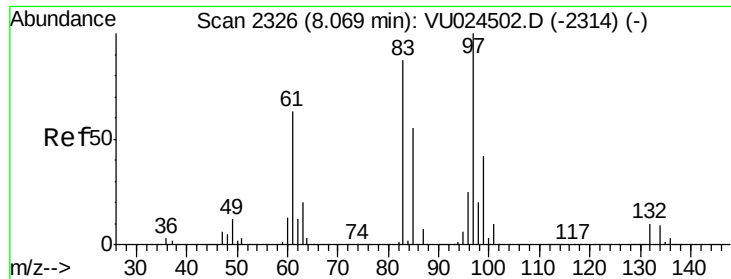
Ion Ratio Lower Upper

75 100

77 34.1 24.6 36.8

39 51.1 39.8 59.6





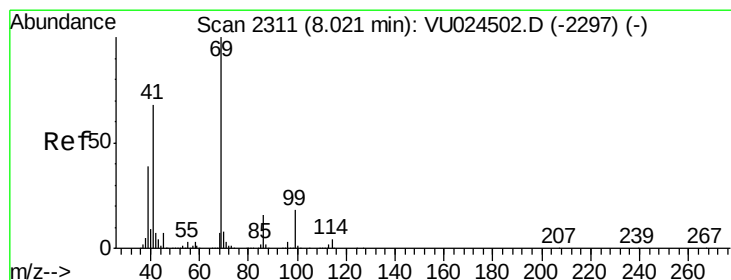
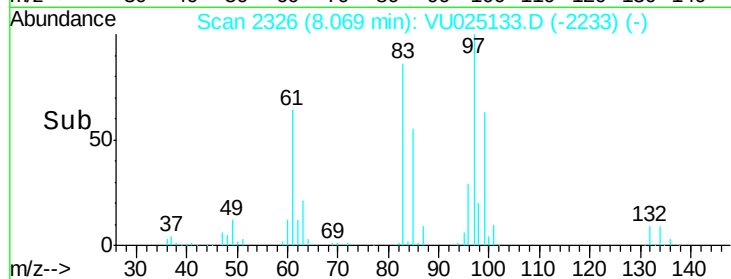
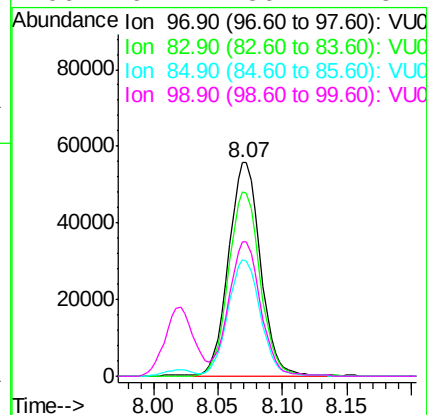
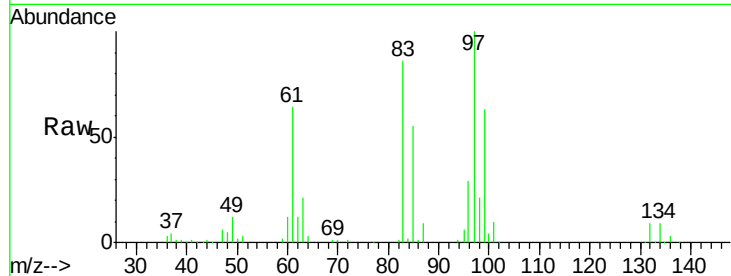
#55
 1,1,2-Trichloroethane
 Concen: 48.25 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	94963
Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.5	105.7
85	54.6	46.4	69.6
99	62.7	50.2	75.2

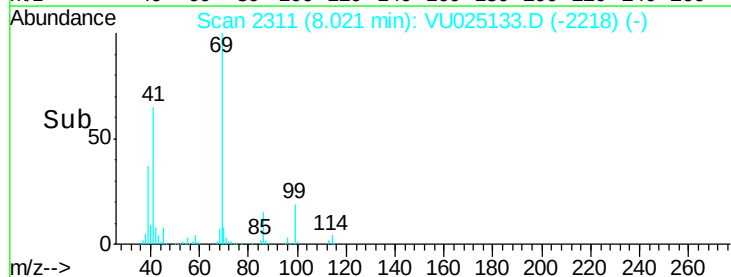
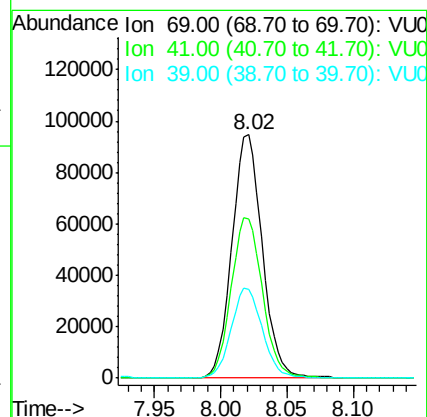
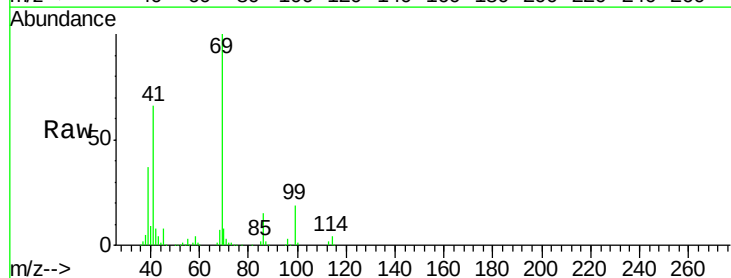
Manual Integrations
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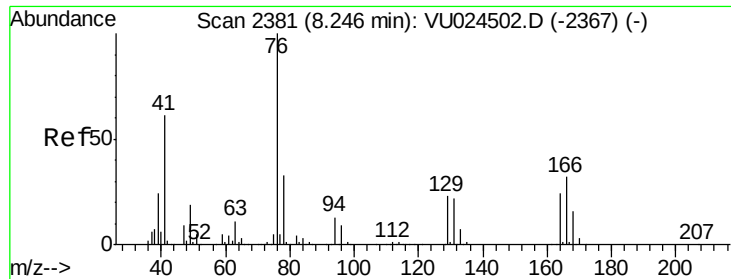
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#56
 Ethyl methacrylate
 Concen: 45.76 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Tgt Ion:	69	Resp:	150736
Ion	Ratio	Lower	Upper
69	100		
41	67.8	54.1	81.1
39	37.3	30.3	45.5





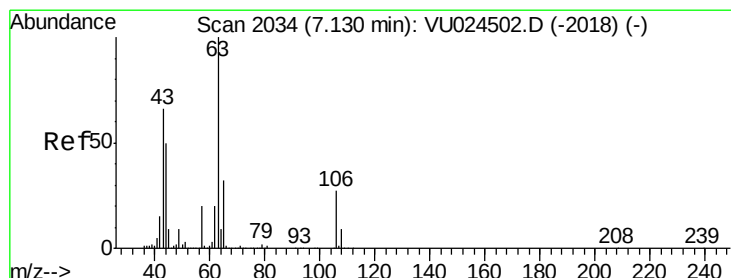
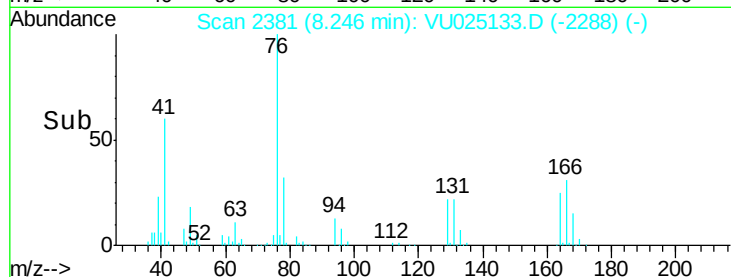
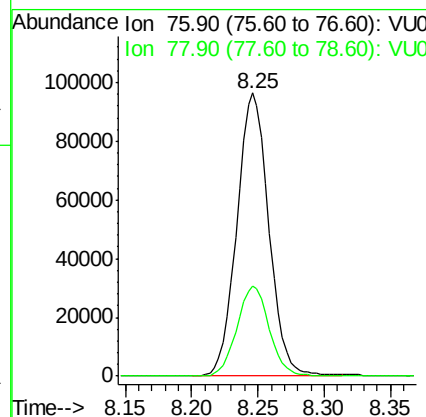
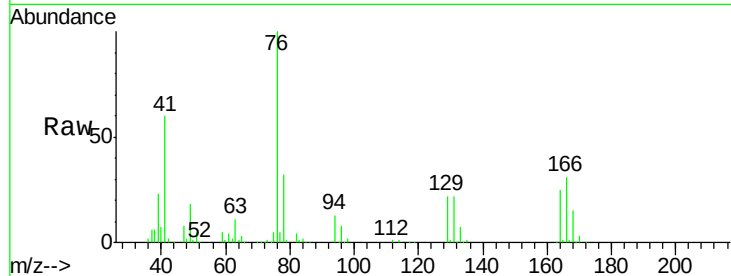
#57
 1,3-Dichloropropane
 Concen: 48.62 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 161423
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.2 37.8

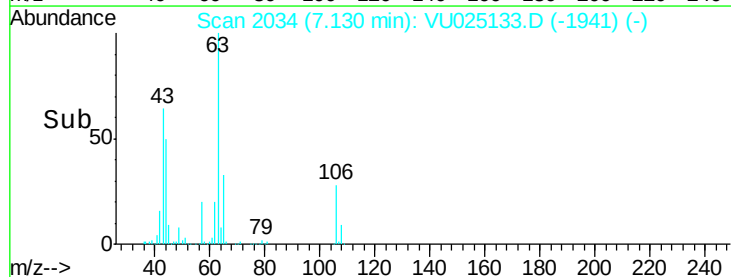
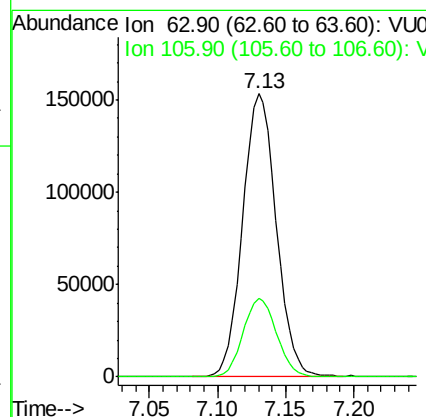
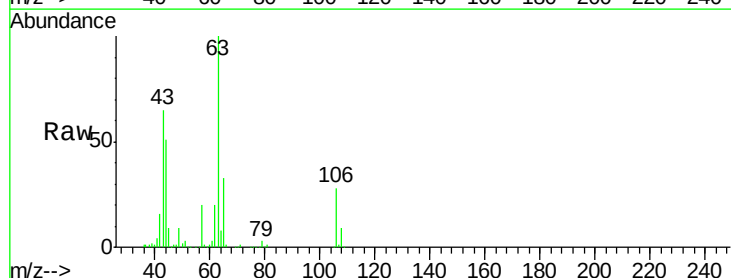
Manual Integrations
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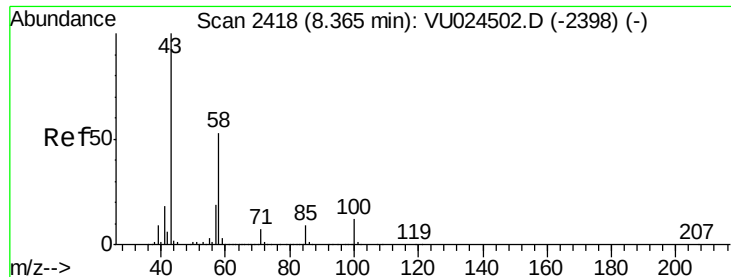
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#58
 2-Chloroethyl Vinyl ether
 Concen: 208.16 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Tgt Ion: 63 Resp: 262706
 Ion Ratio Lower Upper
 63 100
 106 27.8 20.2 30.2





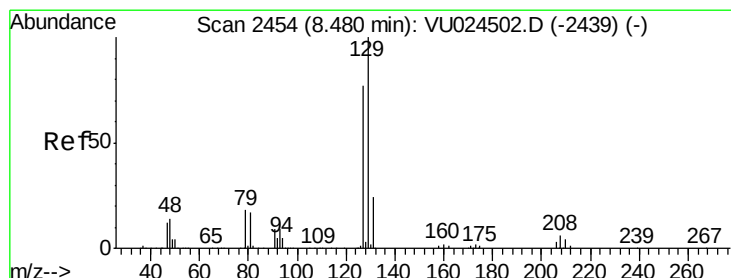
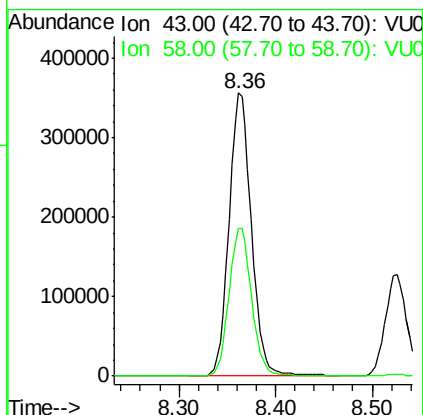
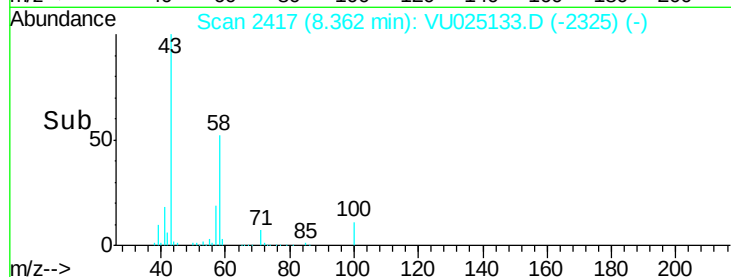
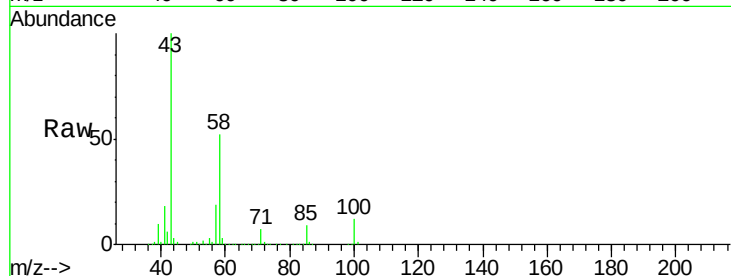
#59
2-Hexanone
Concen: 224.30 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 572456
Ion Ratio Lower Upper
43 100
58 53.1 26.4 79.0

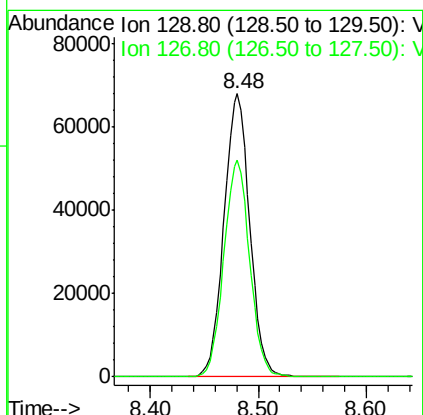
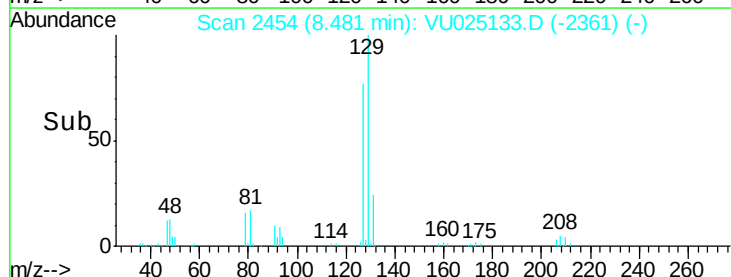
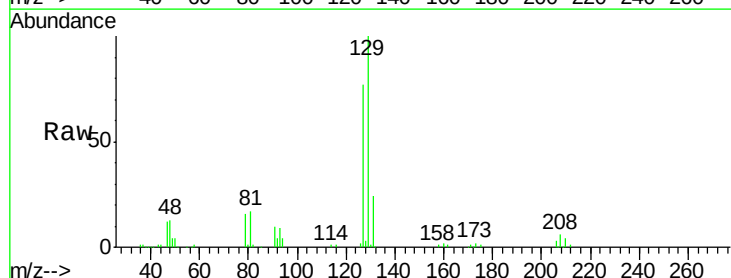
Manual Integrations
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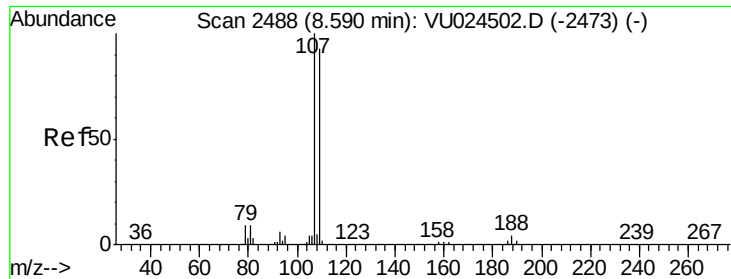
sam
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#60
Dibromochloromethane
Concen: 46.08 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Tgt Ion: 129 Resp: 113103
Ion Ratio Lower Upper
129 100
127 76.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 47.48 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 104005

Ion Ratio Lower Upper

107 100

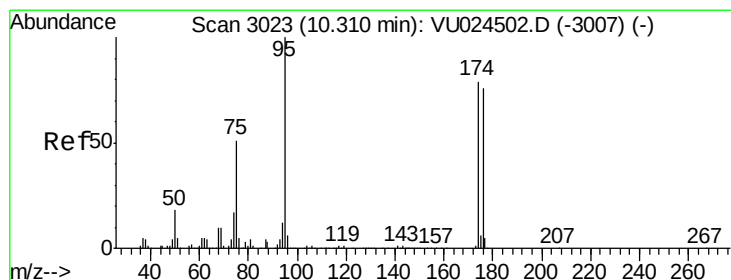
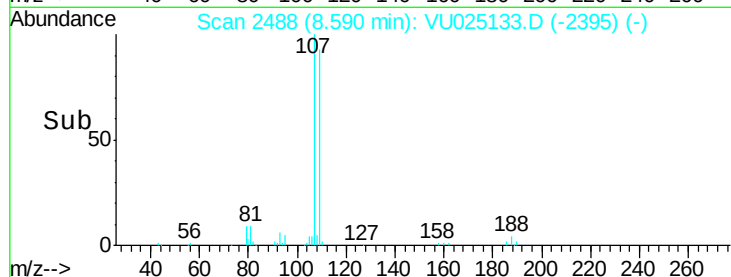
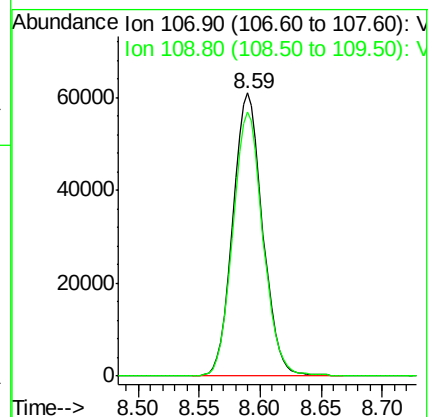
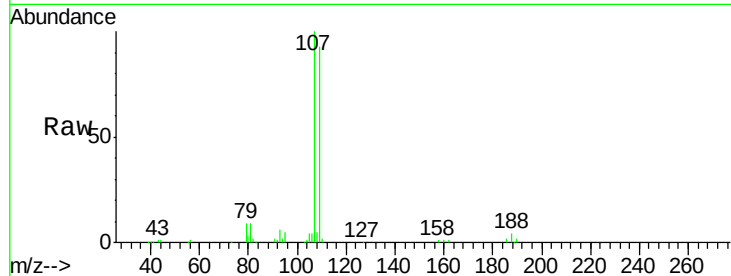
109 94.6 74.5 111.7

Manual Integrations

APPROVED

sam

7/3/2018 3:52:26 PM



#62

4-Bromofluorobenzene

Concen: 49.68 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

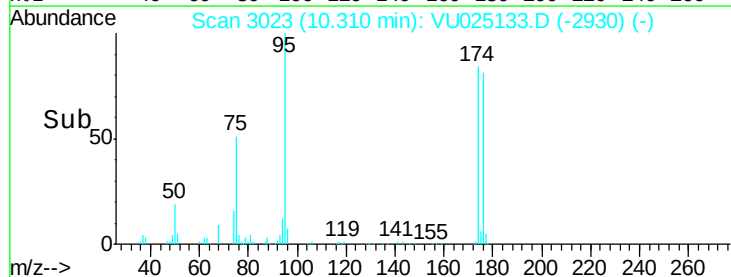
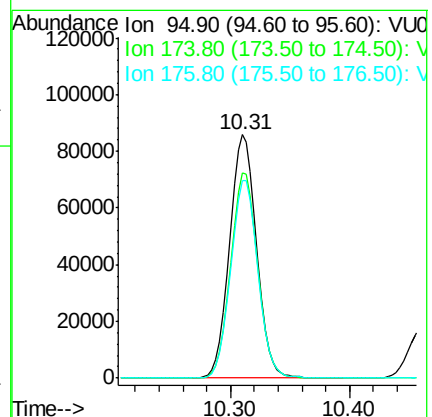
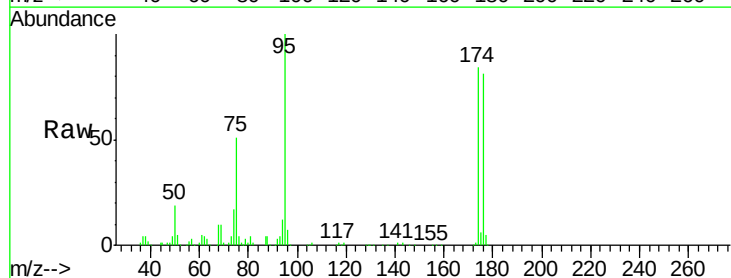
Tgt Ion: 95 Resp: 134217

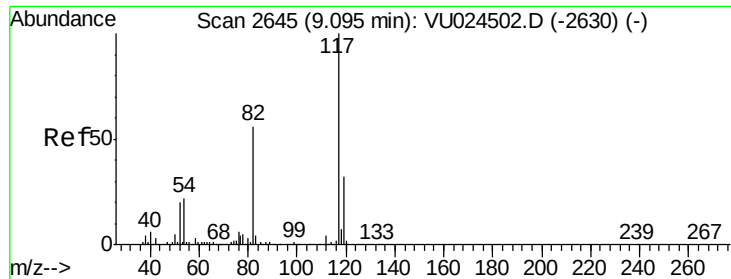
Ion Ratio Lower Upper

95 100

174 84.8 0.0 165.8

176 82.1 0.0 159.4





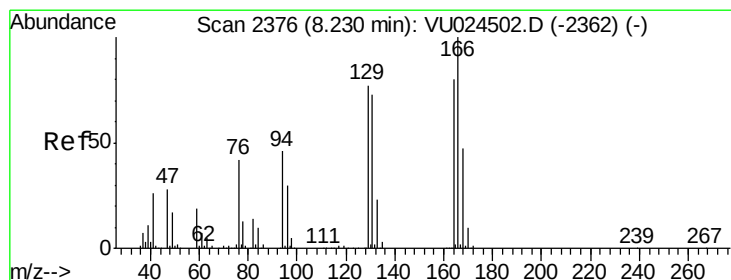
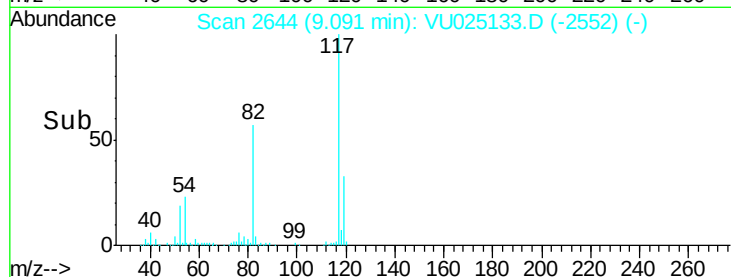
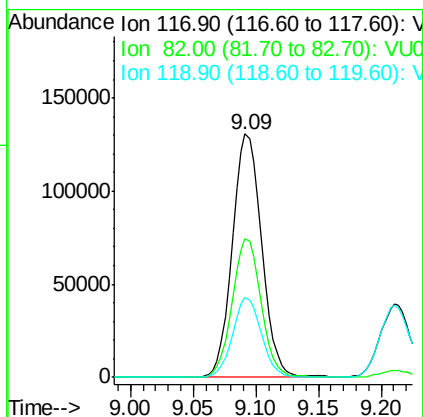
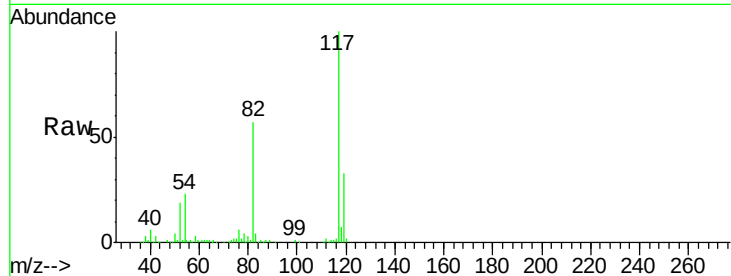
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	212257		
82	57.0		44.3	66.5
119	32.8		25.4	38.2

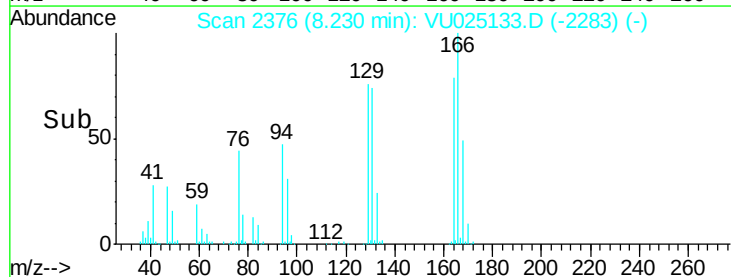
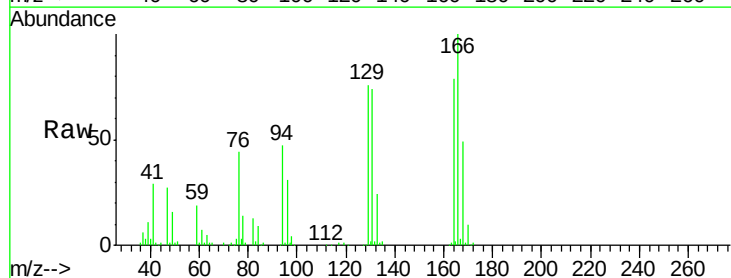
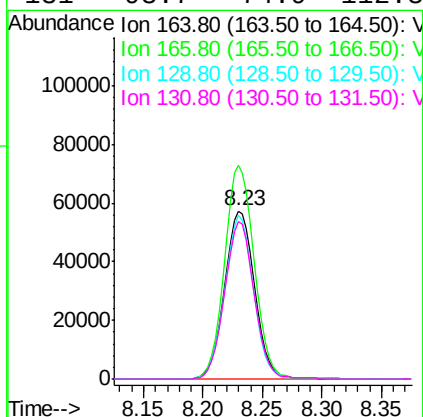
Manual Integrations
APPROVED

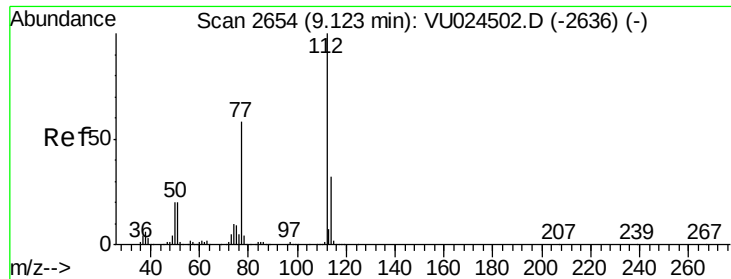
sam
7/3/2018 3:52:26 PM



#64
Tetrachloroethene
Concen: 49.50 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	99867		
166	126.9		101.7	152.5
129	97.0		76.9	115.3
131	93.7		74.9	112.3





#65

Chlorobenzene

Concen: 50.03 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 271293

Ion Ratio Lower Upper

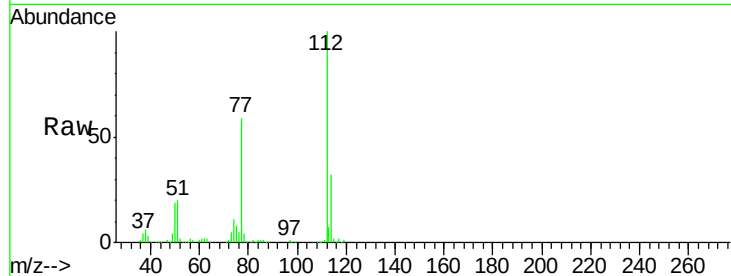
112 100

114 32.3 25.6 38.4

Manual Integrations
APPROVED

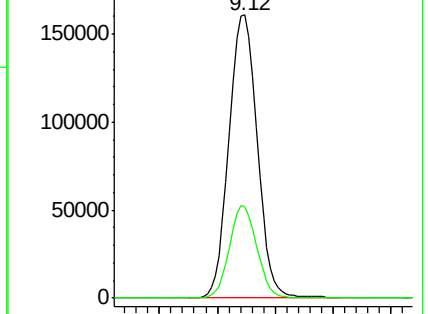
sam

7/3/2018 3:52:26 PM

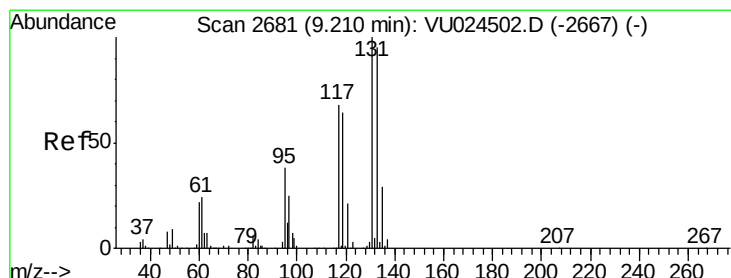
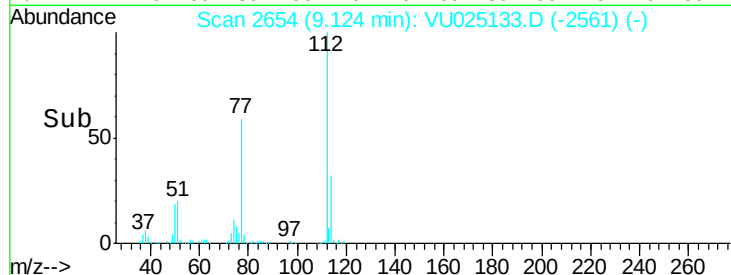


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.97 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

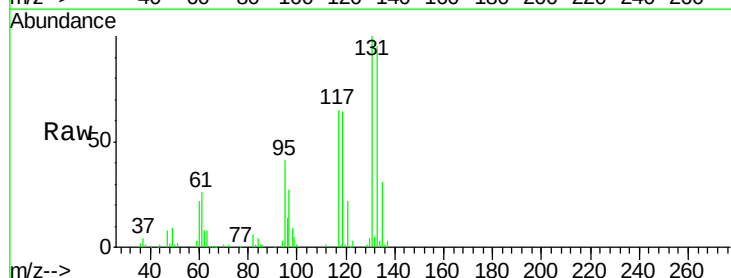
Tgt Ion:131 Resp: 100891

Ion Ratio Lower Upper

131 100

133 94.6 46.9 140.8

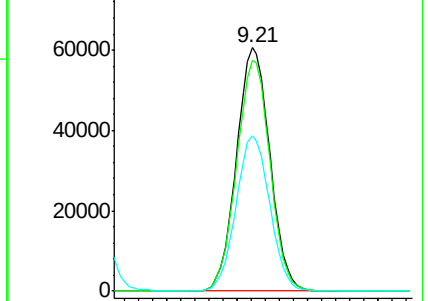
119 64.4 33.5 100.4



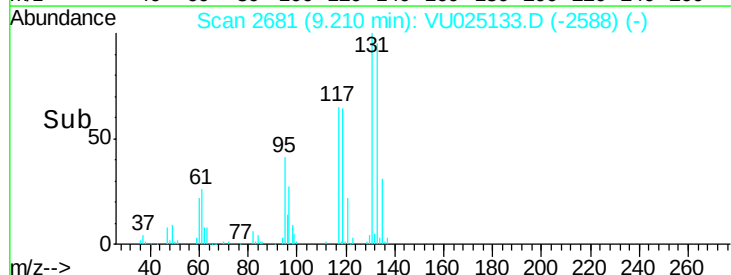
Abundance Ion 130.80 (130.50 to 131.50): V

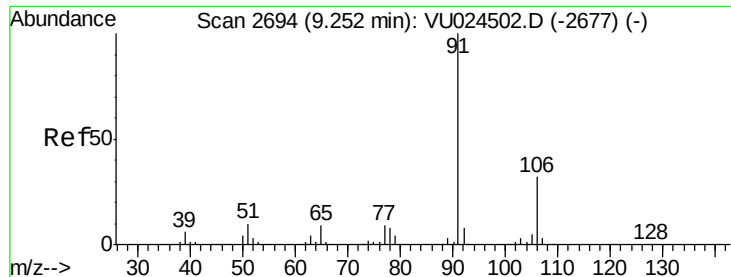
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->





#67

Ethyl Benzene

Concen: 49.75 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 472910

Ion Ratio Lower Upper

91 100

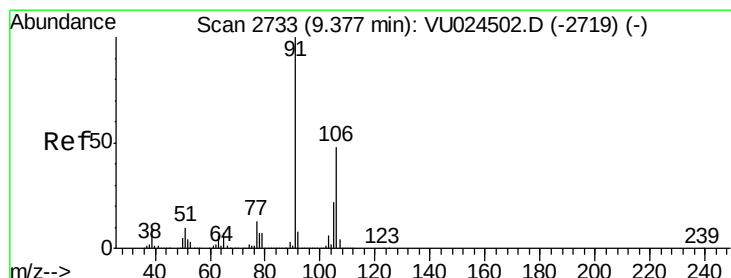
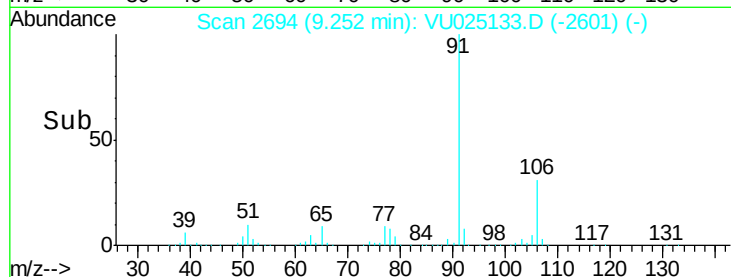
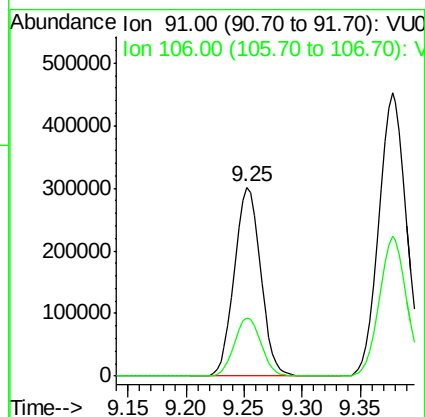
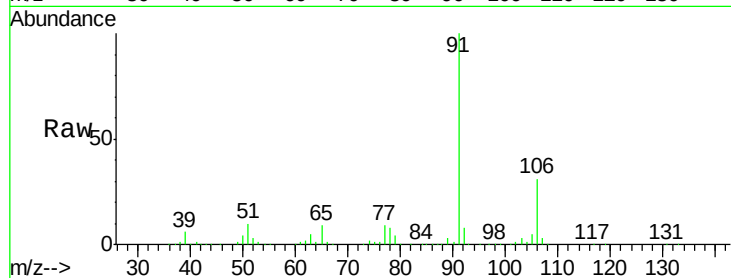
106 31.0 24.2 36.4

Manual Integrations

APPROVED

sam

7/3/2018 3:52:26 PM



#68

m/p-Xylenes

Concen: 100.97 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025133.D

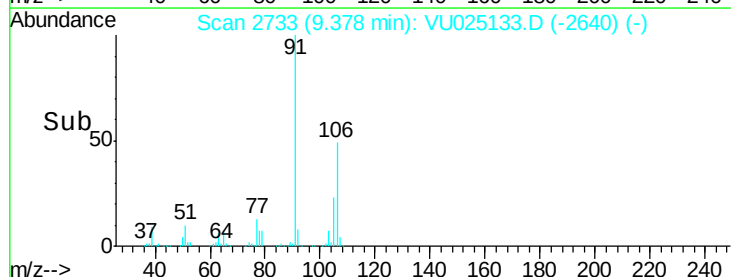
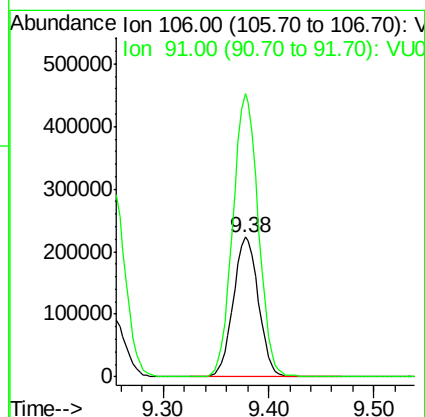
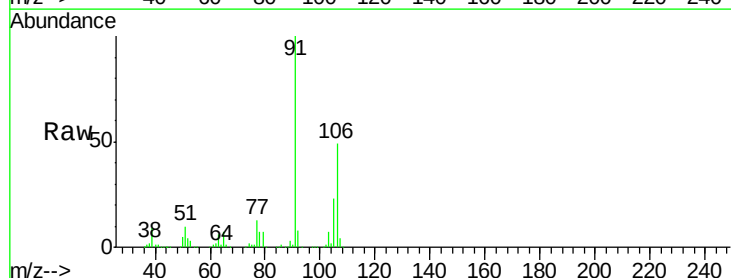
Acq: 02 Jul 2018 10:26

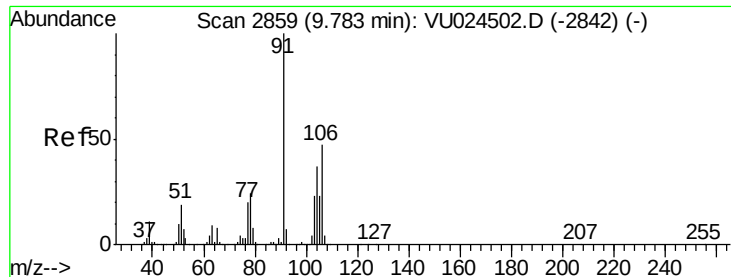
Tgt Ion: 106 Resp: 368568

Ion Ratio Lower Upper

106 100

91 204.2 166.5 249.7





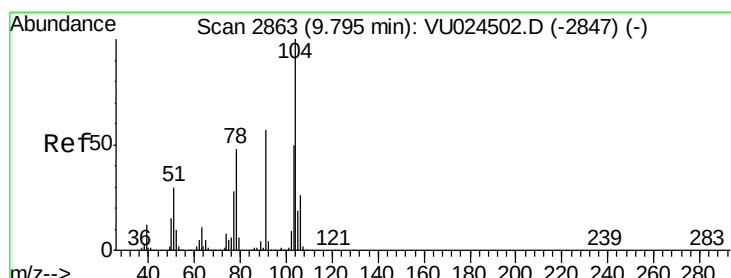
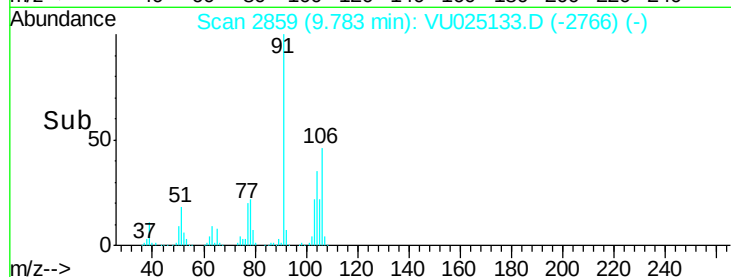
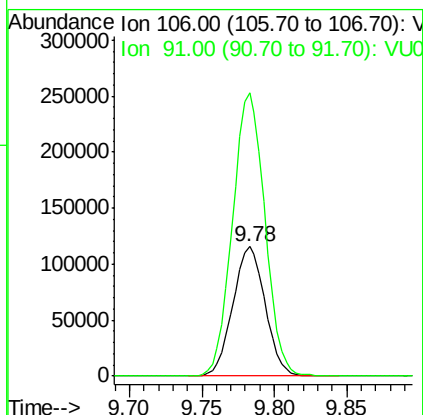
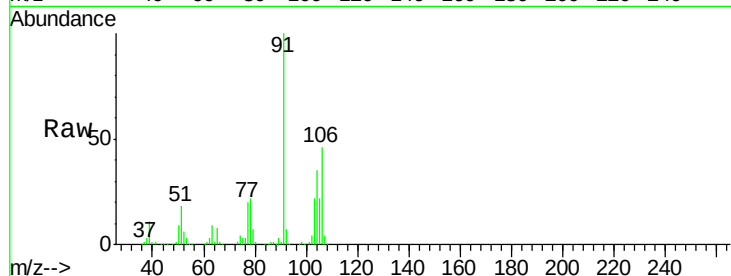
#69
o-Xylene
Concen: 49.68 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	218.4	110.7	331.9	

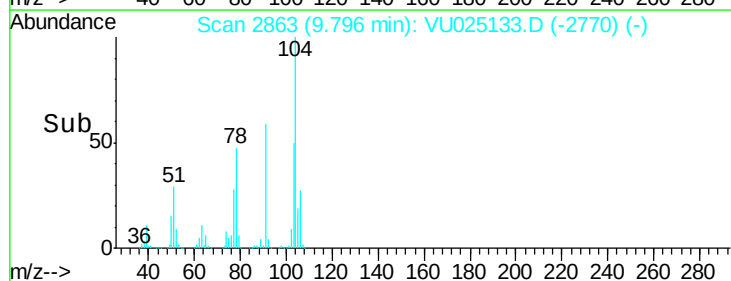
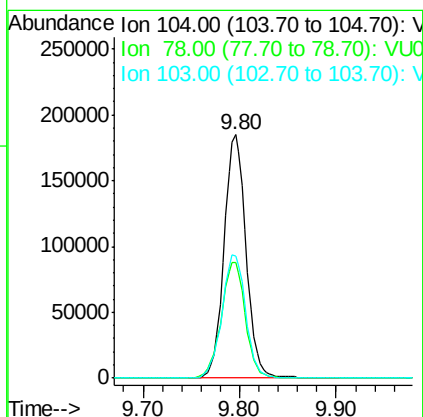
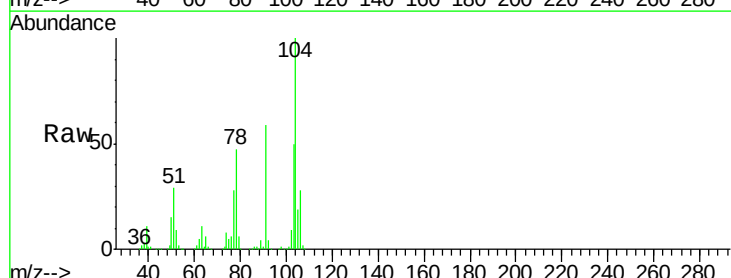
Manual Integrations
APPROVED

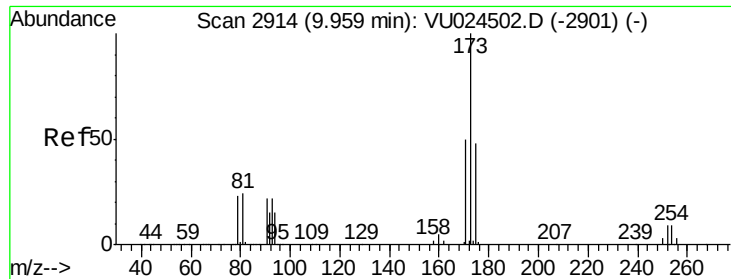
sam
7/3/2018 3:52:26 PM



#70
Styrene
Concen: 49.12 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.0	40.6	60.8	
103	54.5	44.7	67.1	





#71

Bromoform

Concen: 45.08 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

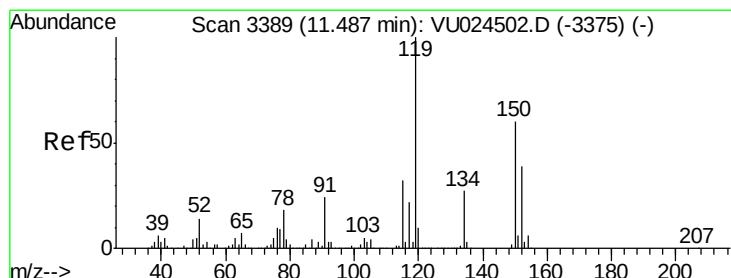
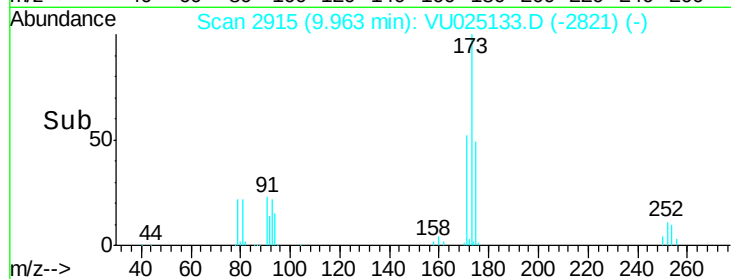
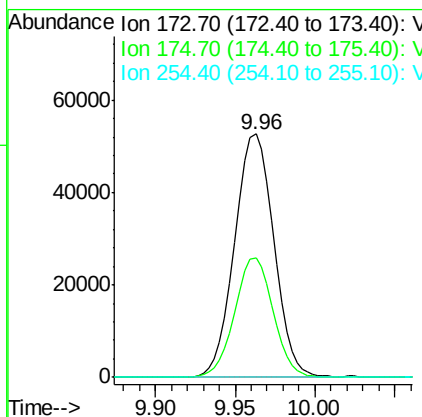
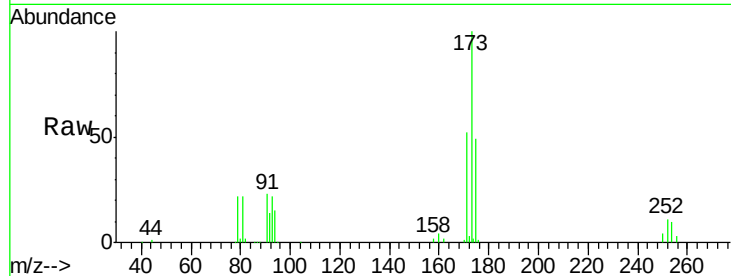
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	88272
Ion Ratio	Lower	Upper	
173	100		
175	48.0	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
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sam
7/3/2018 3:52:26 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

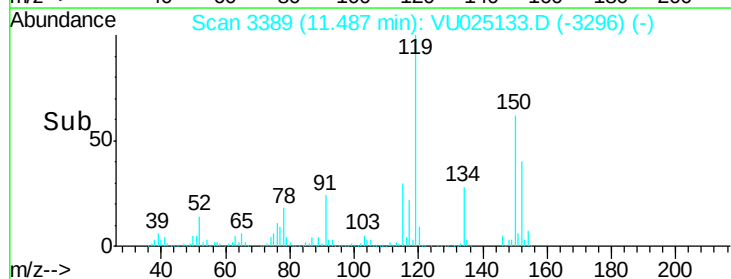
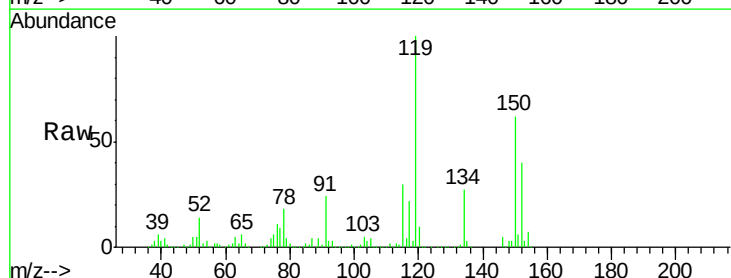
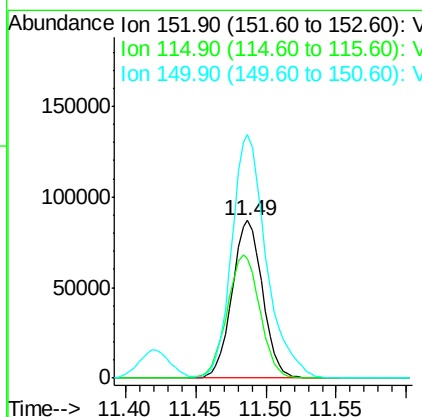
RT: 11.49 min Scan# 3389

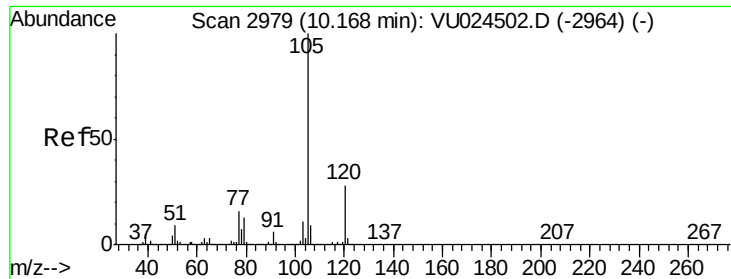
Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Tgt Ion:	152	Resp:	131809
Ion Ratio	Lower	Upper	
152	100		
115	83.7	43.0	129.0
150	174.1	0.0	354.0





#73

Isopropylbenzene

Concen: 48.76 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 493389

Ion Ratio Lower Upper

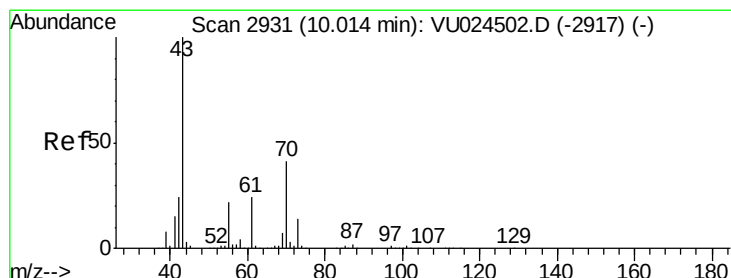
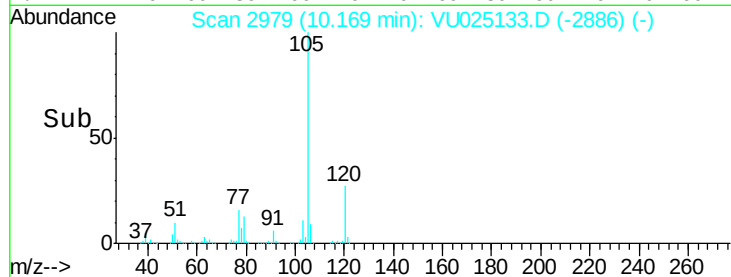
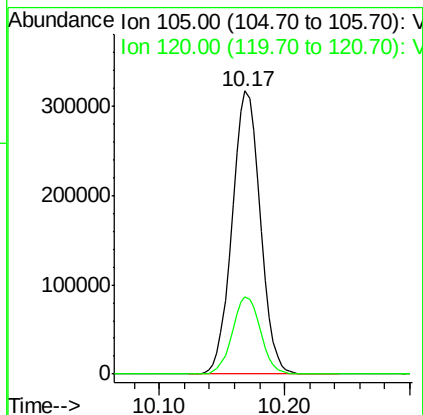
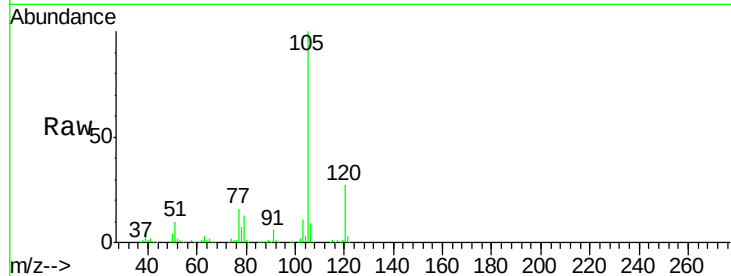
105 100

120 27.3 13.2 39.6

Manual Integrations
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sam

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#74

N-ethyl acetate

Concen: 40.92 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Tgt Ion: 43 Resp: 196975

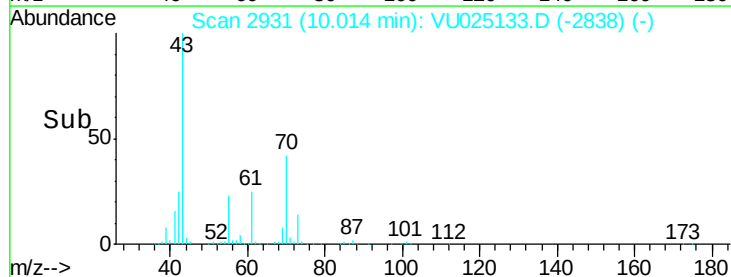
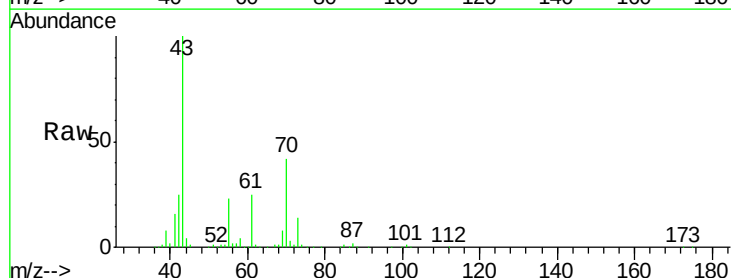
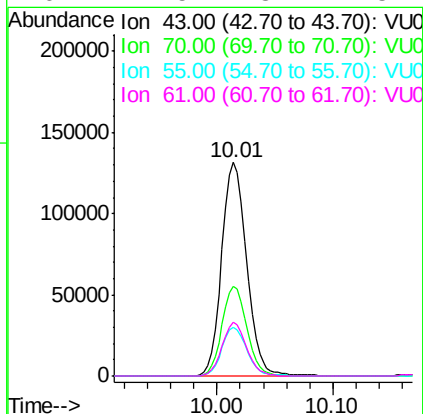
Ion Ratio Lower Upper

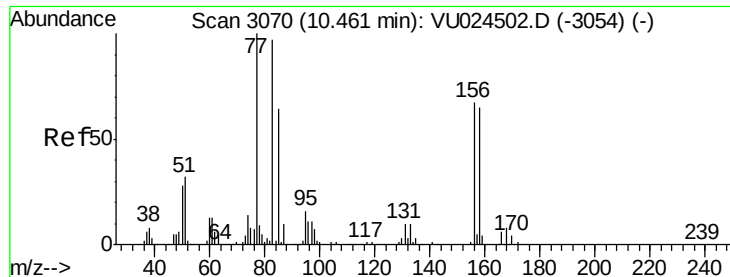
43 100

70 41.8 32.2 48.4

55 22.9 20.5 30.7

61 24.5 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 46.30 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 157001

Ion Ratio Lower Upper

83 100

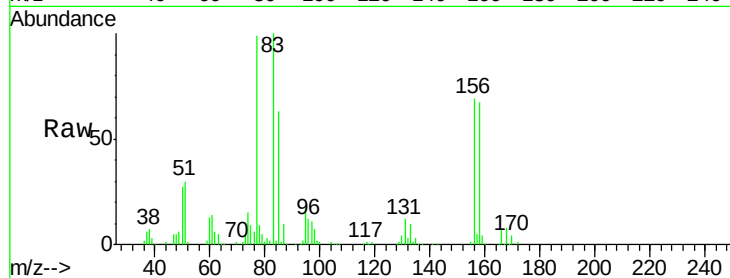
131 11.2 4.7 14.1

85 64.1 32.5 97.5

Manual Integrations
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sam

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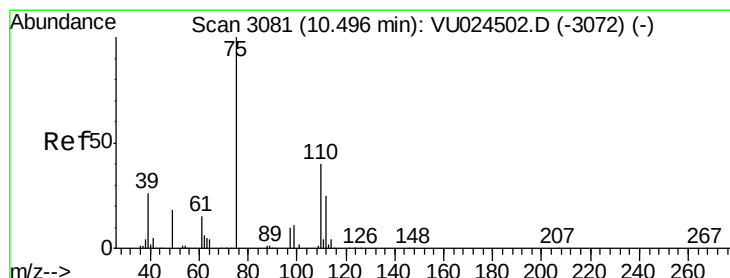
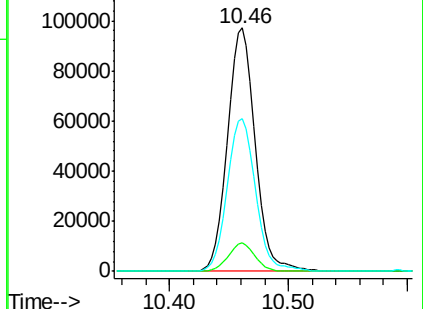
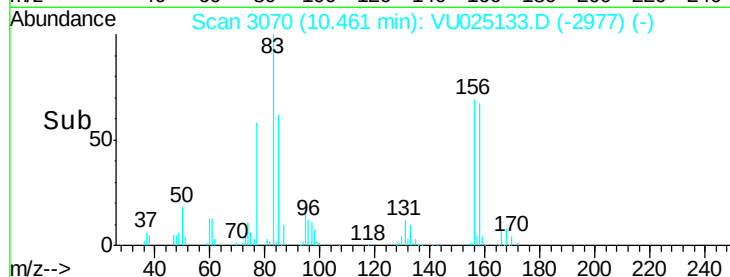


Abundance Ion 82.90 (82.60 to 83.60): VU025133.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025133.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025133.D (-2977) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 49.32 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025133.D

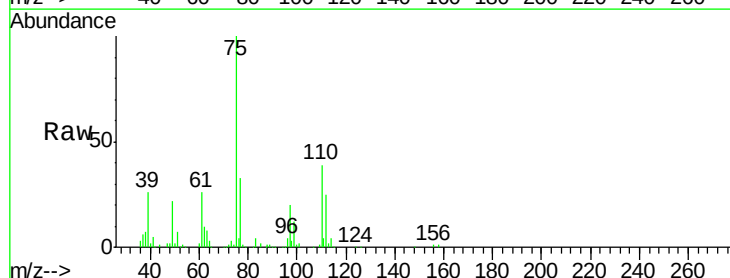
Acq: 02 Jul 2018 10:26

Tgt Ion: 75 Resp: 143111

Ion Ratio Lower Upper

75 100

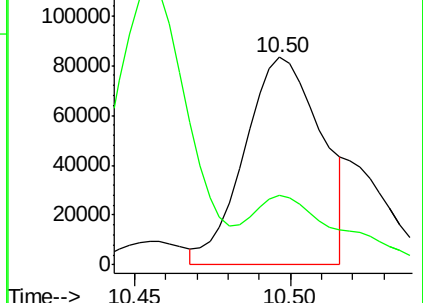
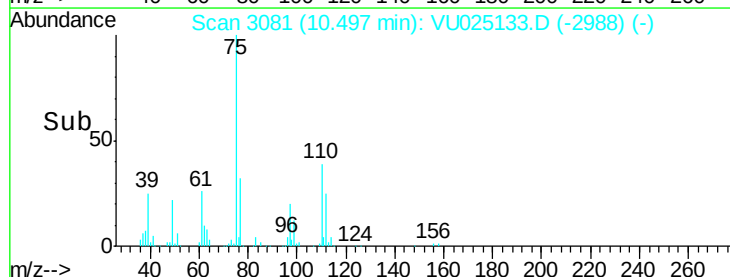
77 38.6 20.9 62.7

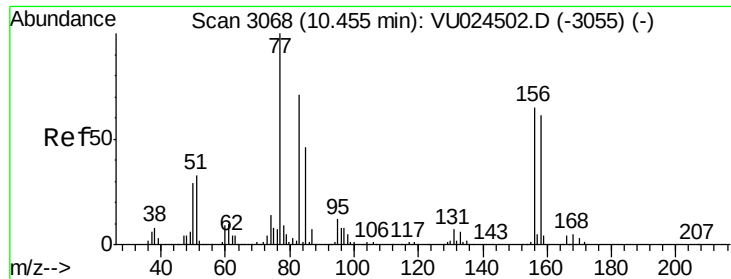


Abundance Ion 74.90 (74.60 to 75.60): VU025133.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025133.D (-2988) (-)

Time-->





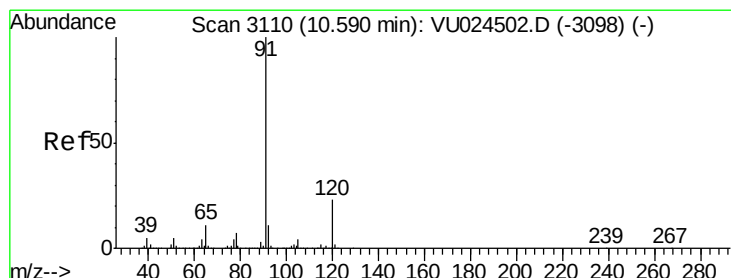
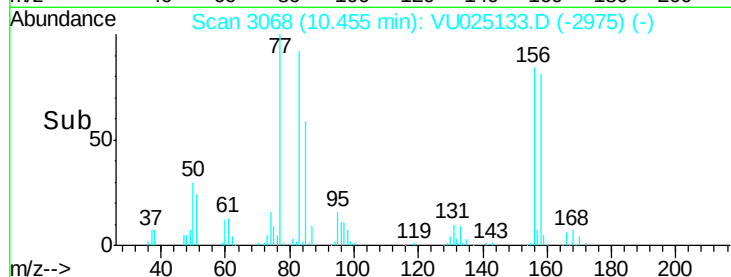
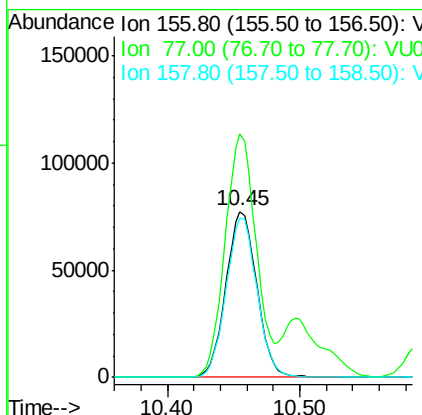
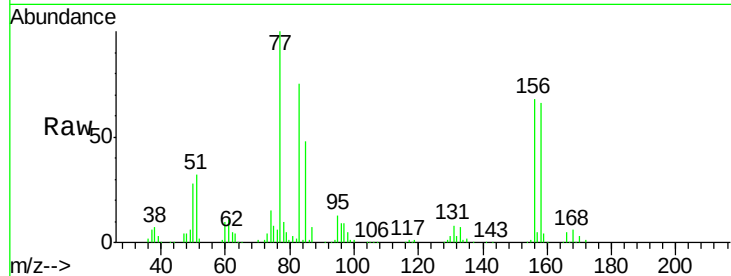
#77
Bromobenzene
Concen: 48.84 ug/l
RT: 10.45 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	147.7	80.5	241.3	
158	96.1	48.2	144.6	

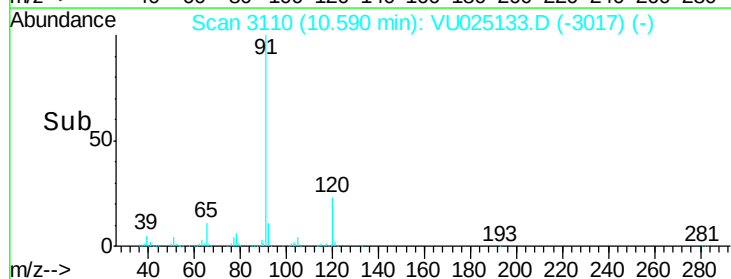
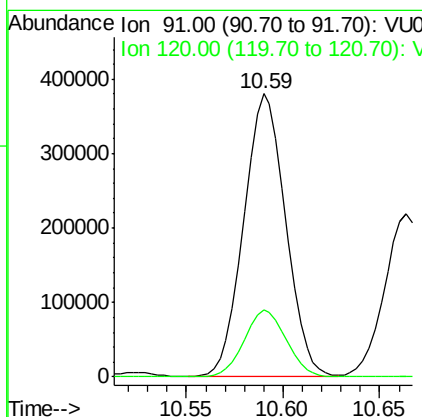
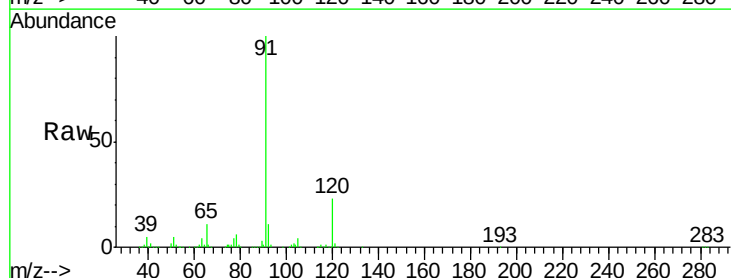
Manual Integrations
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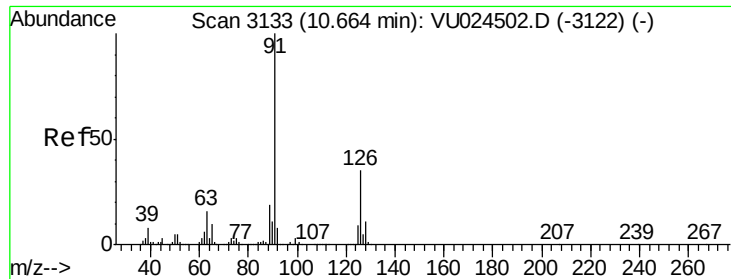
sam
7/3/2018 3:52:26 PM



#78
n-propylbenzene
Concen: 48.03 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. 0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

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





#79

2-Chlorotoluene

Concen: 47.78 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 335860

Ion Ratio Lower Upper

91 100

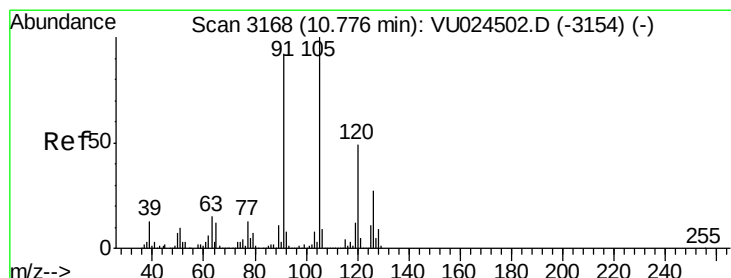
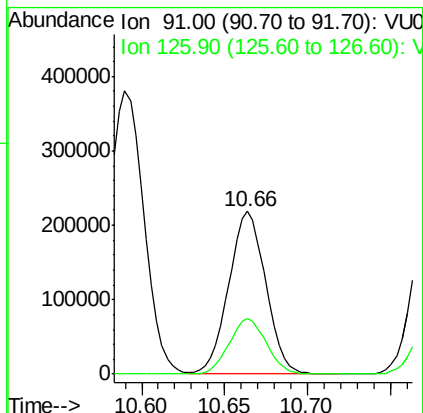
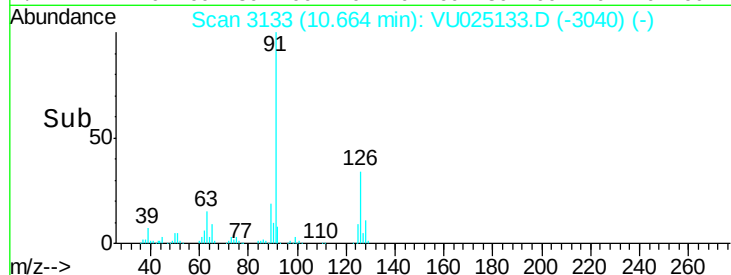
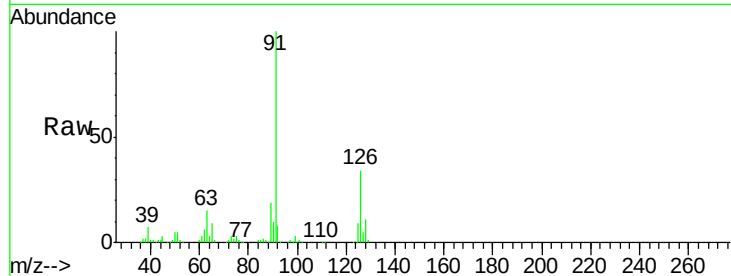
126 34.8 16.9 50.7

Manual Integrations

APPROVED

sam

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#80

1,3,5-Trimethylbenzene

Concen: 49.08 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025133.D

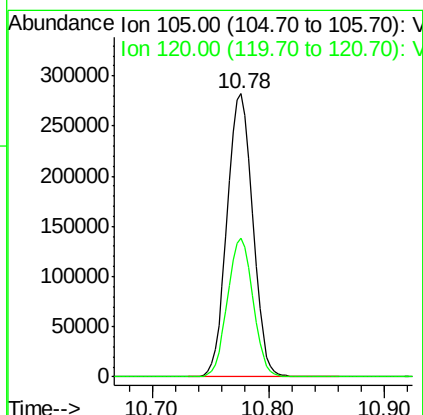
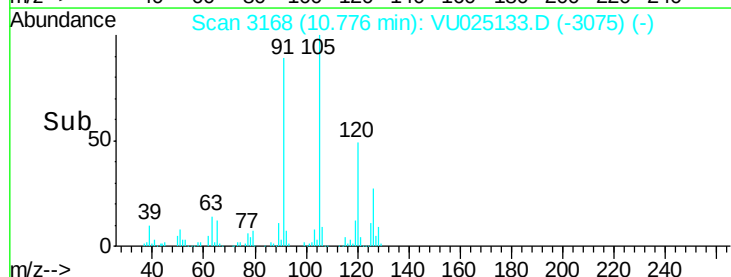
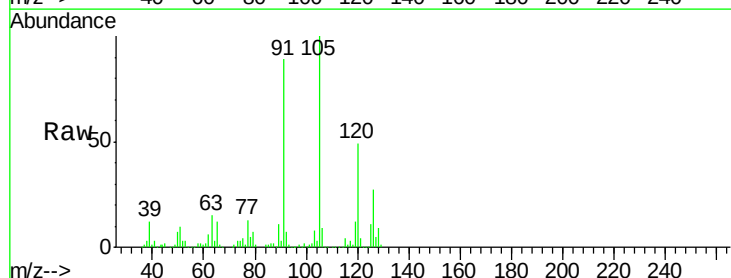
Acq: 02 Jul 2018 10:26

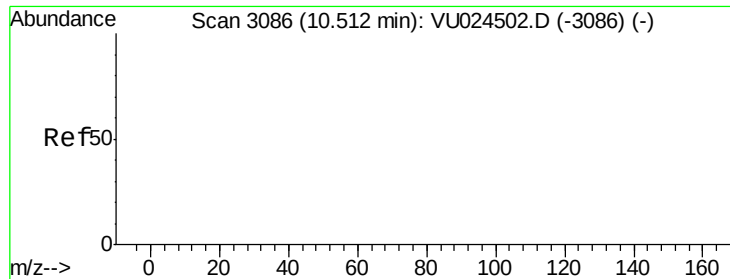
Tgt Ion: 105 Resp: 430509

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.2





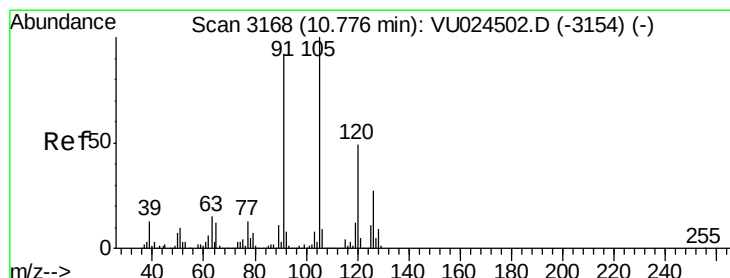
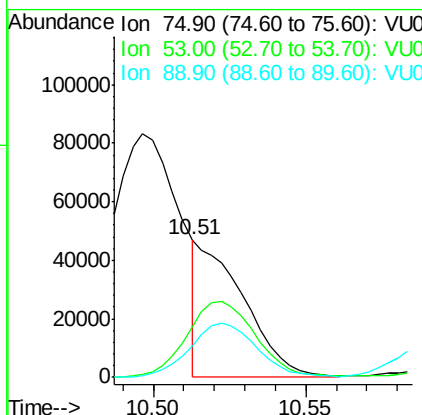
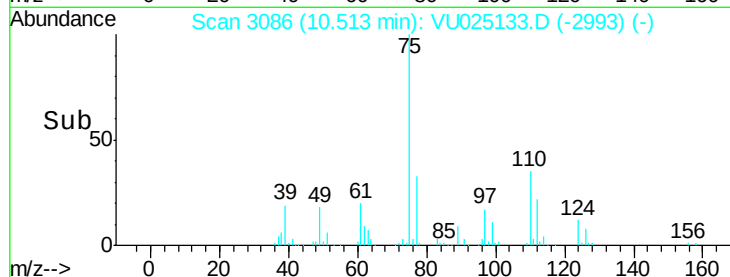
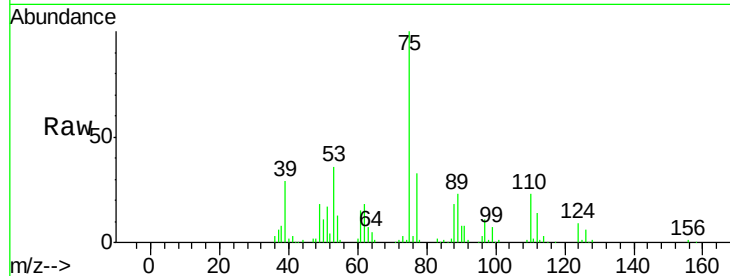
#81
trans-1,4-Dichloro-2-butene
Concen: 39.09 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

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

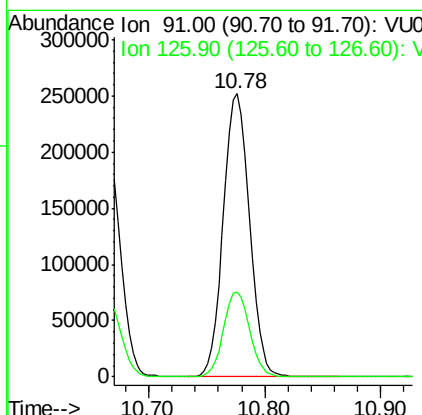
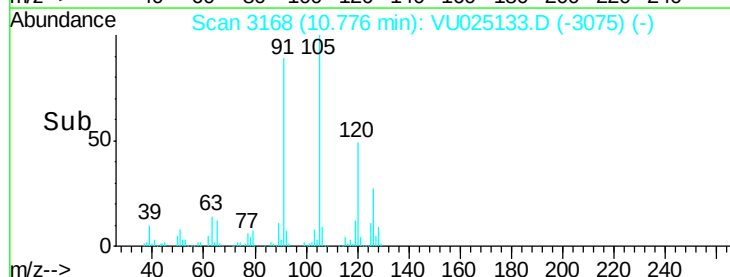
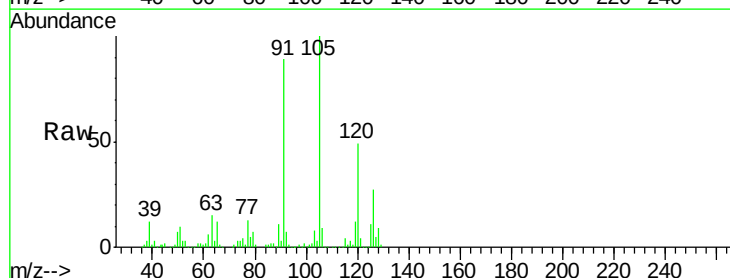
Manual Integrations
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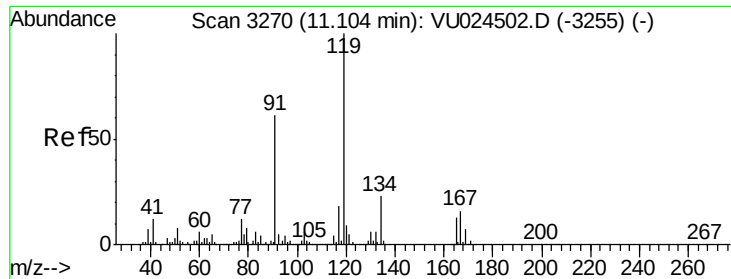
sam
7/3/2018 3:52:26 PM



#82
4-Chlorotoluene
Concen: 47.93 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	14.9	44.9





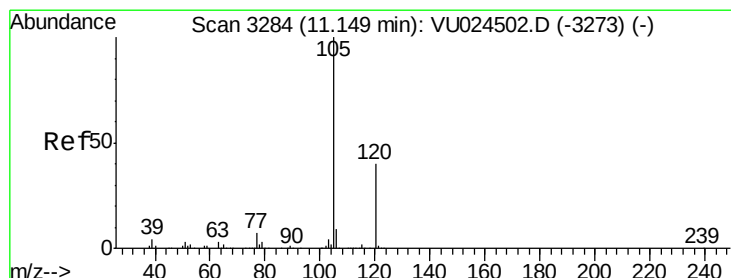
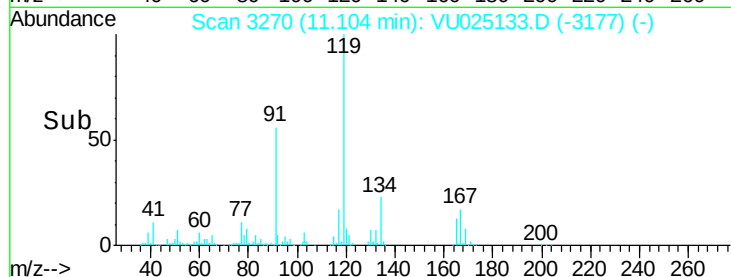
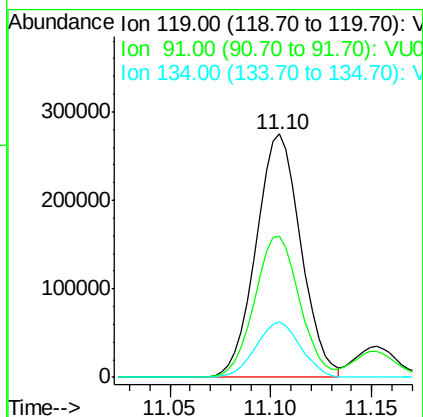
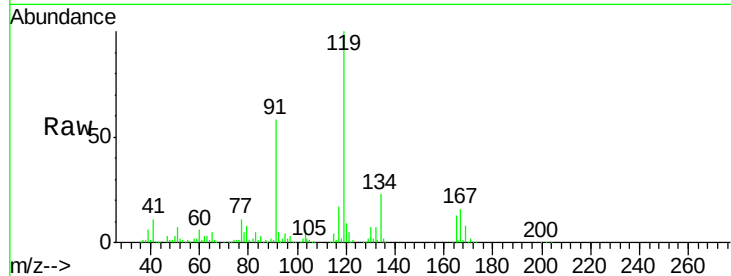
#83
 tert-Butylbenzene
 Concen: 50.51 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.7	89.1
134	22.9	11.6	34.7

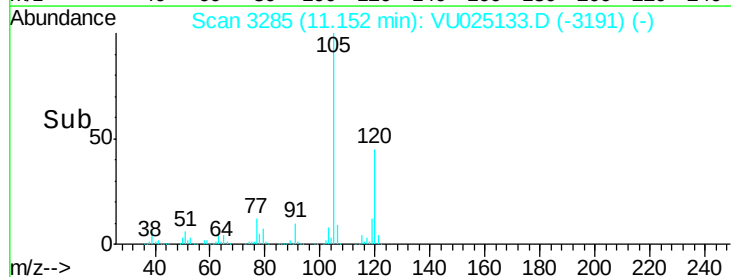
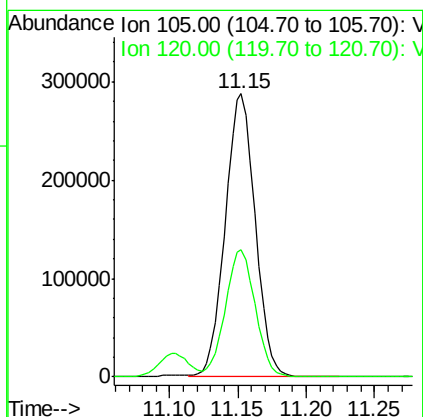
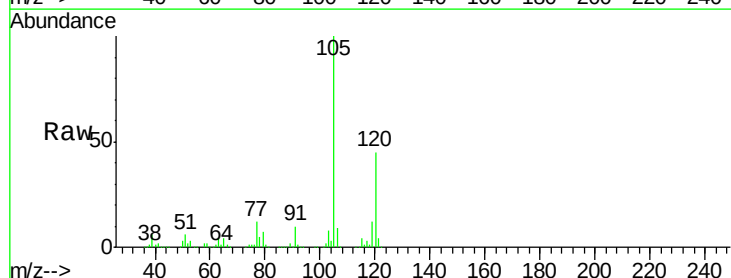
Manual Integrations
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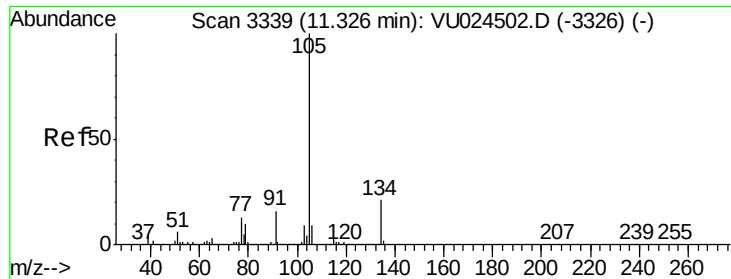
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.98 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.6	67.8





#85

sec-Butylbenzene

Concen: 48.77 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 515020

Ion Ratio Lower Upper

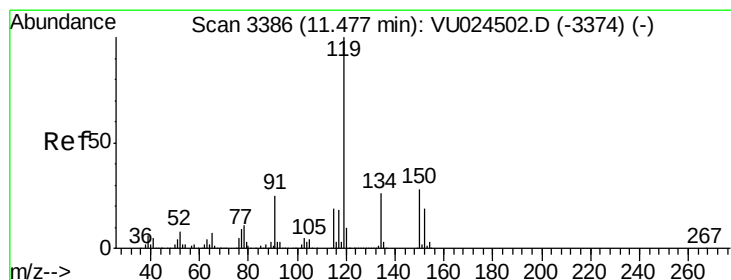
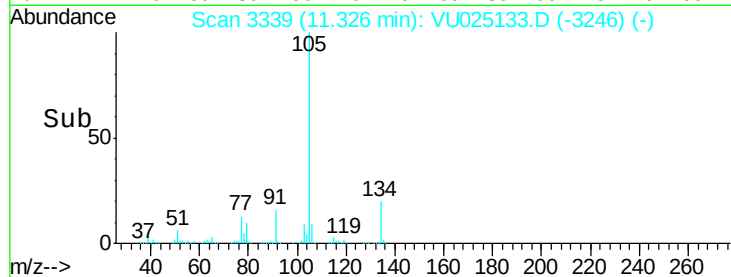
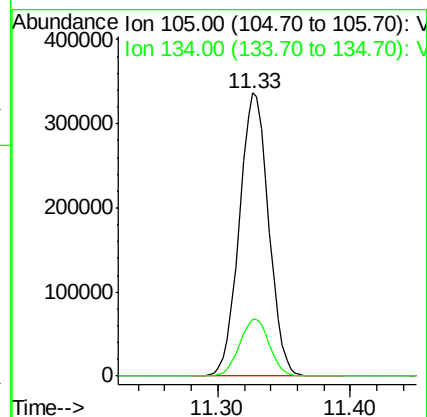
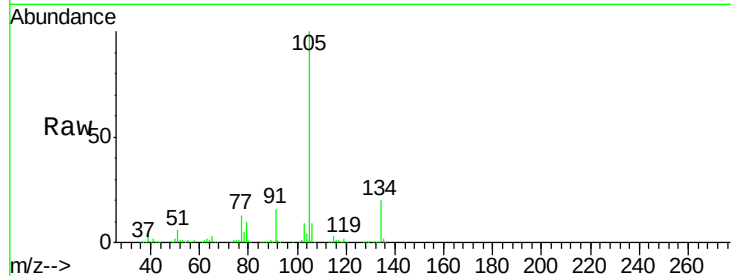
105 100

134 20.4 9.7 29.1

Manual Integrations
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sam

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#86

p-Isopropyltoluene

Concen: 48.38 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

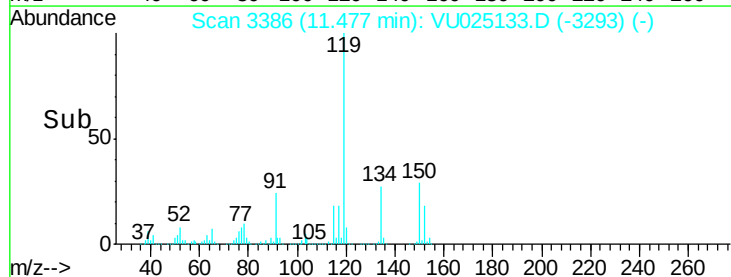
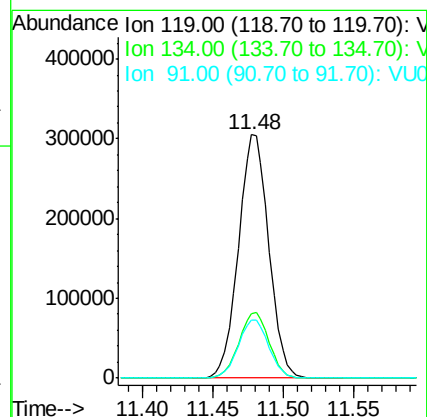
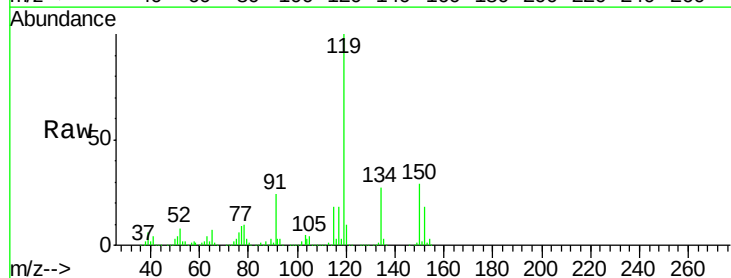
Tgt Ion:119 Resp: 457577

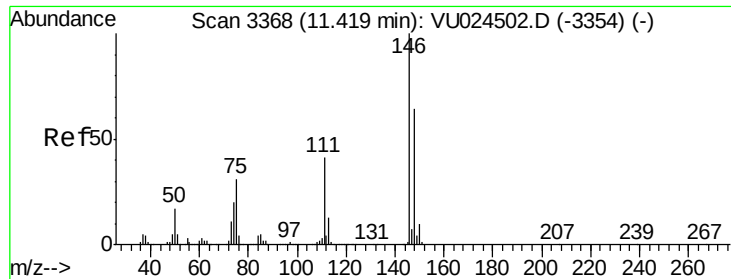
Ion Ratio Lower Upper

119 100

134 26.8 12.9 38.6

91 24.3 12.0 36.1





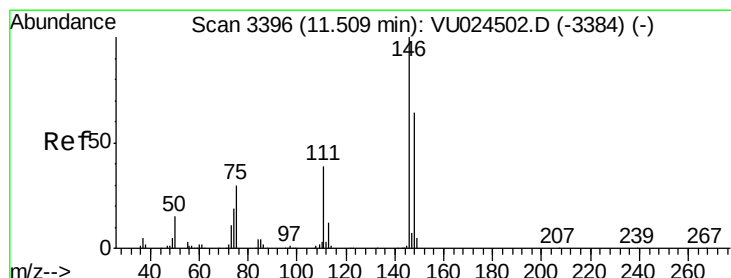
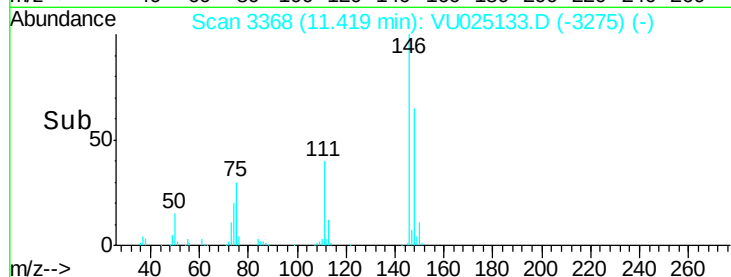
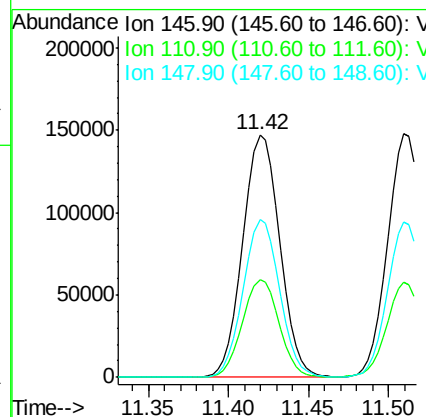
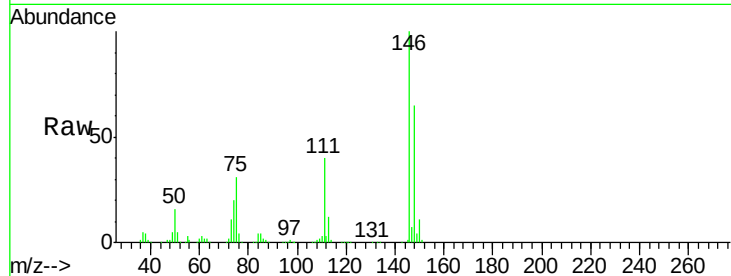
#87
 1,3-Dichlorobenzene
 Concen: 49.06 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	60.0
148	64.2	32.1	96.5

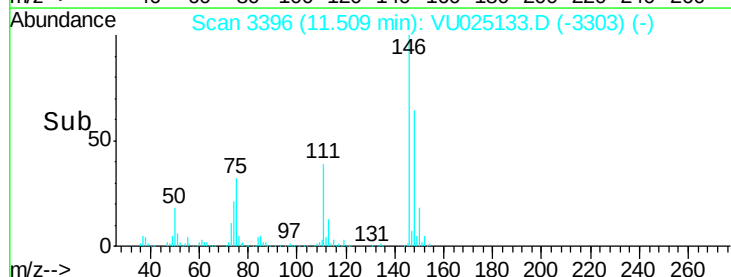
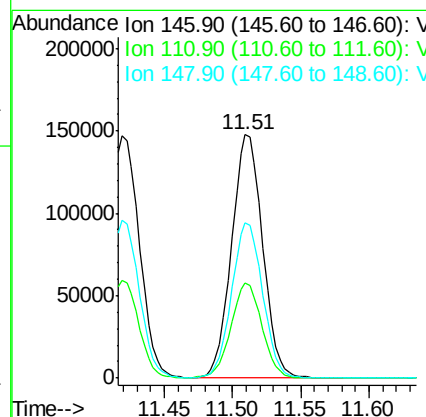
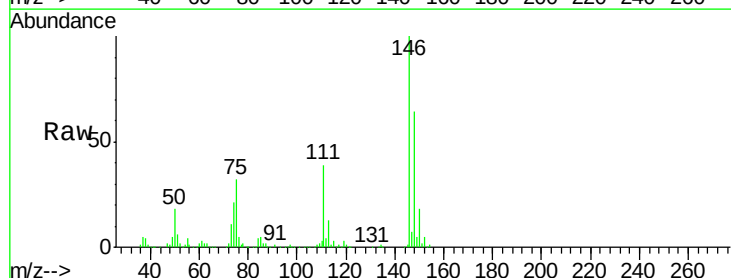
Manual Integrations
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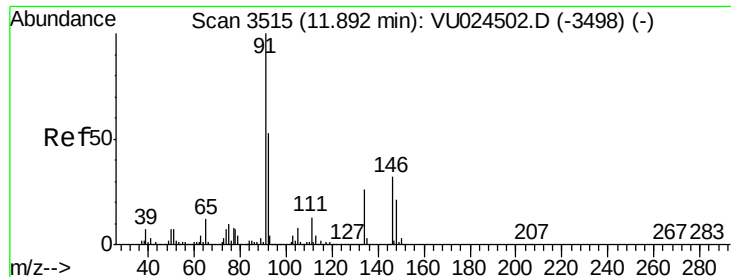
sam
 7/3/2018 3:52:26 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.89 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.5	58.5
148	64.0	32.4	97.0





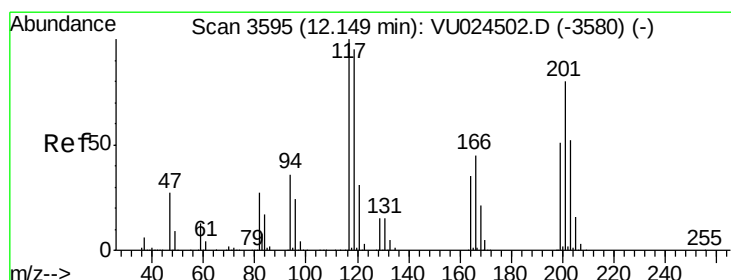
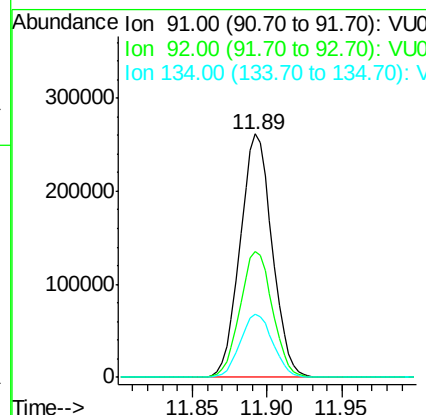
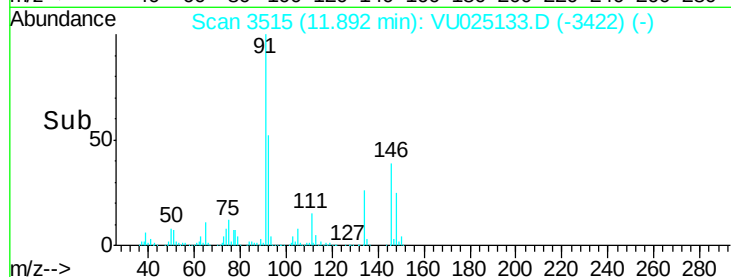
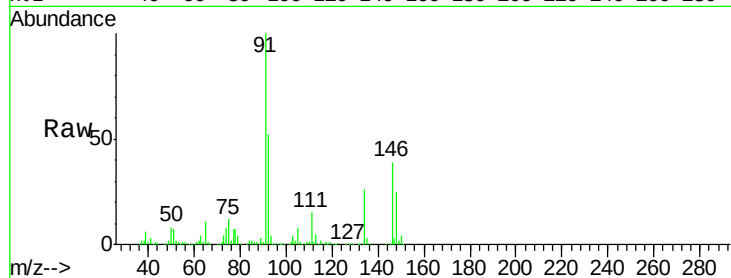
#89
n-Butylbenzene
Concen: 46.41 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	25.6	76.8
134	26.3	12.3	36.8

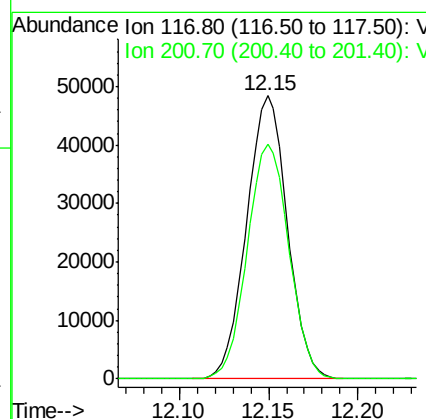
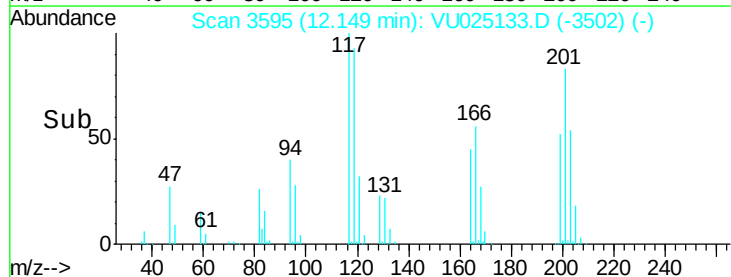
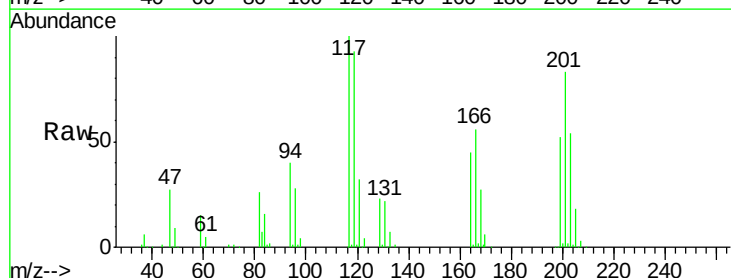
Manual Integrations
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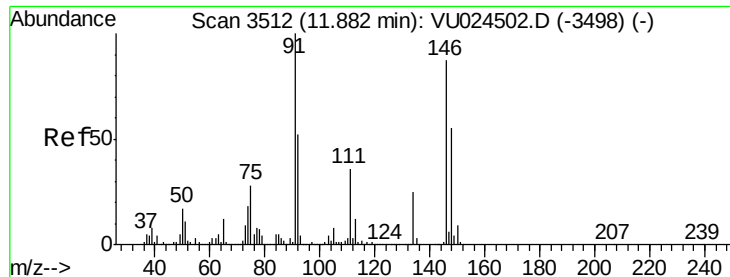
sam
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#90
Hexachloroethane
Concen: 41.80 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025133.D
Acq: 02 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.8	41.1	123.3





#91

1,2-Dichlorobenzene

Concen: 50.01 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

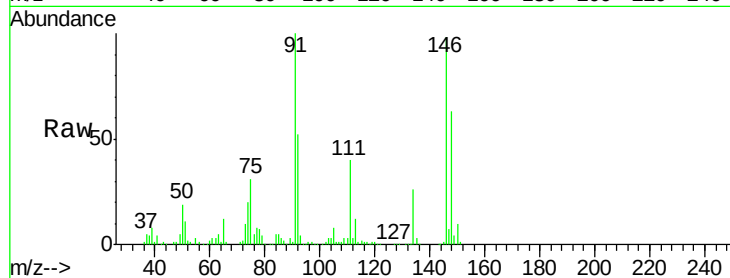
ClientSampleId :

VSTDCCC050

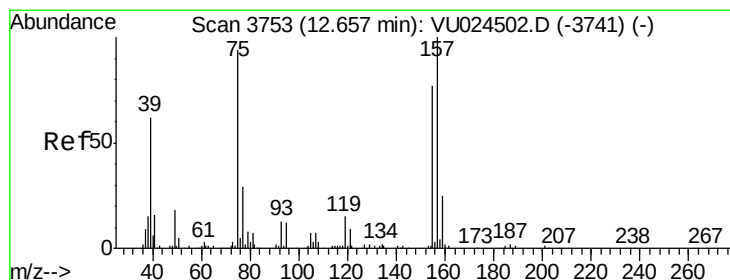
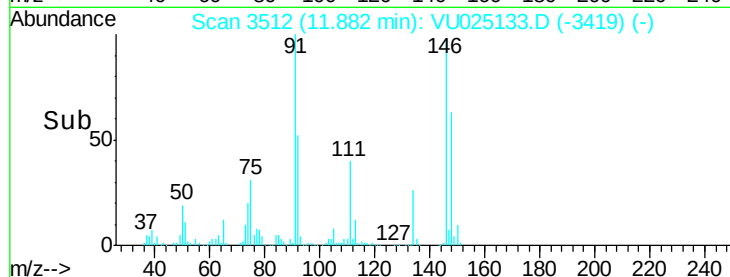
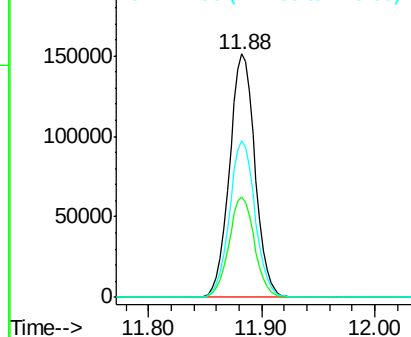
Tot Ion:	146	Resp:	237080
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.5	61.6
148	64.4	31.9	95.7

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.45 ug/l

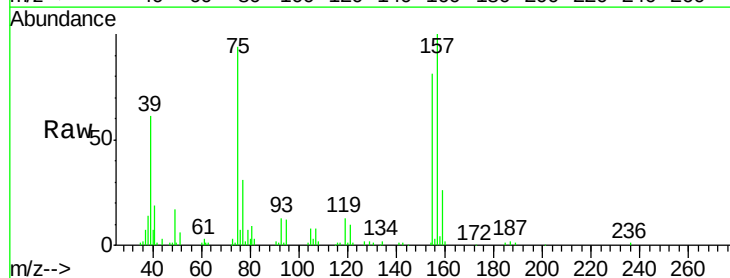
RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

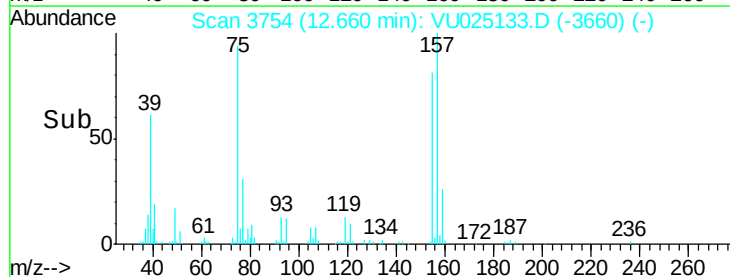
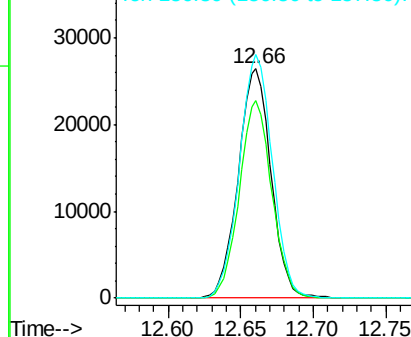
Lab File: VU025133.D

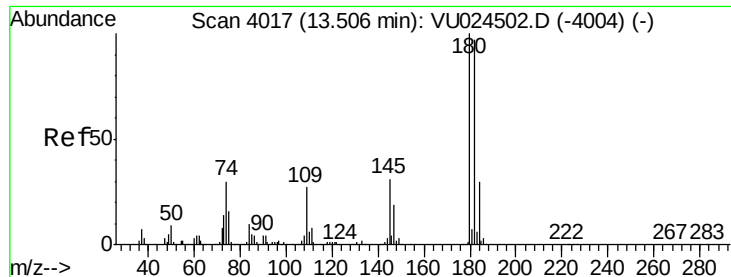
Acq: 02 Jul 2018 10:26

Tgt Ion:	75	Resp:	41595
Ion Ratio	Lower	Upper	
75	100		
155	85.0	40.4	121.2
157	106.8	52.3	156.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





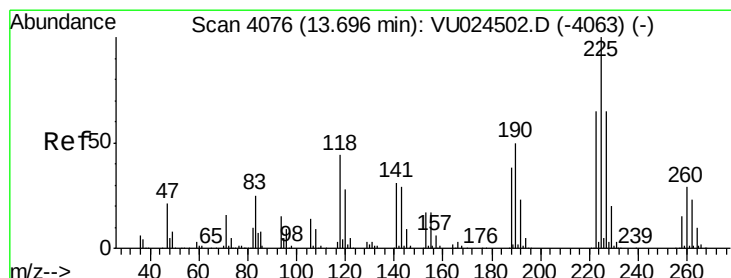
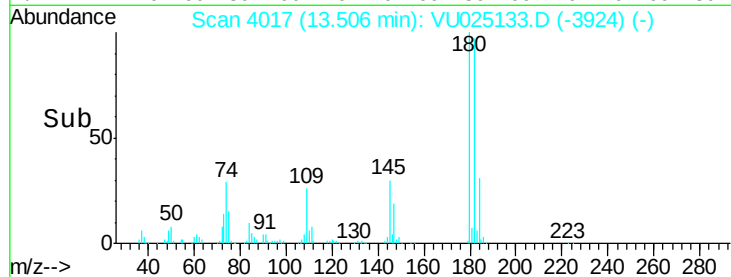
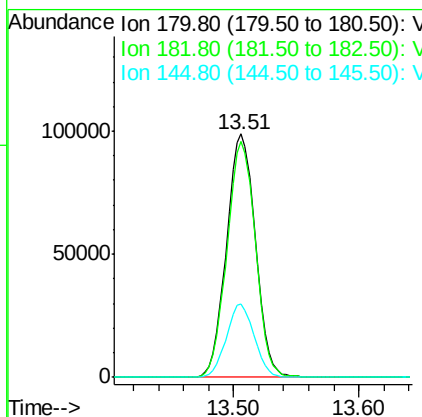
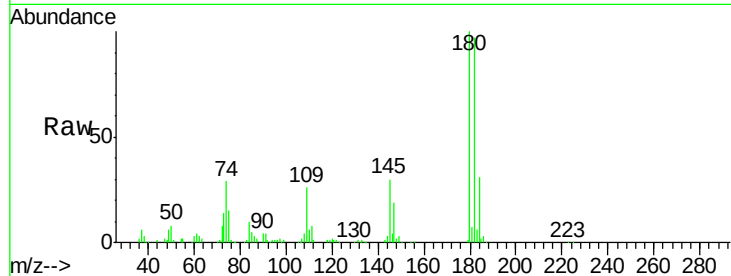
#93
 1,2,4-Trichlorobenzene
 Concen: 53.97 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	158003		
182	95.4	48.0	144.2	
145	29.1	14.7	44.1	

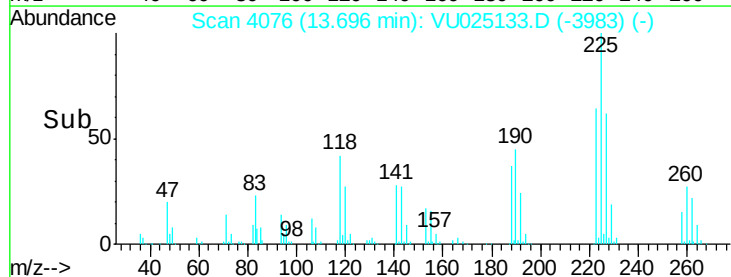
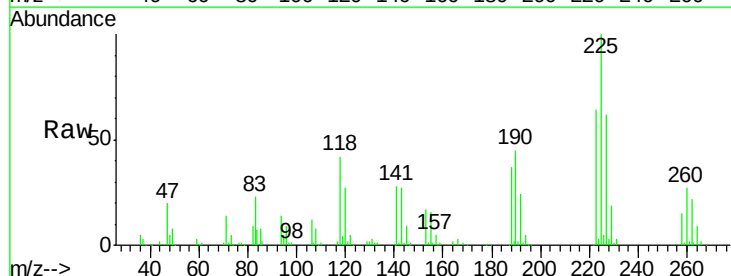
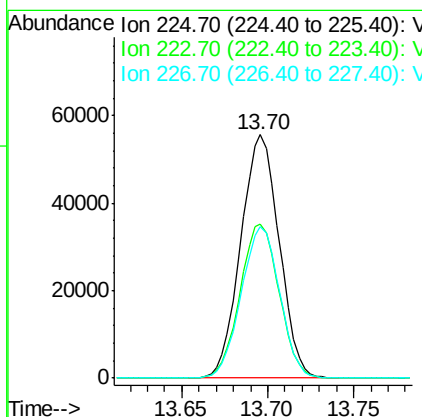
Manual Integrations
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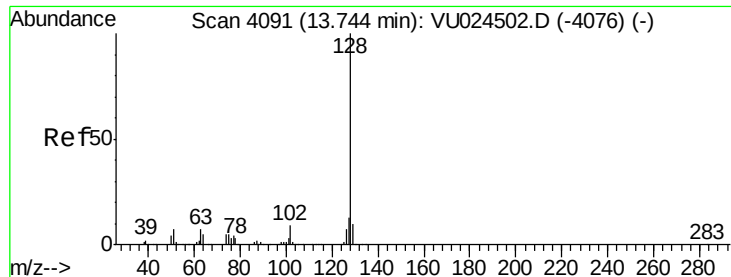
Sam
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#94
 Hexachlorobutadiene
 Concen: 52.36 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025133.D
 Acq: 02 Jul 2018 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	86277		
223	64.3	31.3	93.8	
227	62.2	31.8	95.4	





#95

Naphthalene

Concen: 48.53 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Instrument :

MSVOA_U

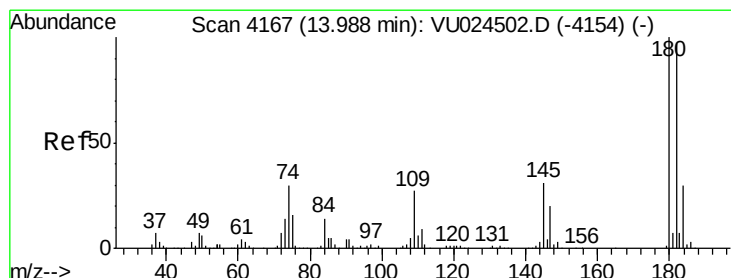
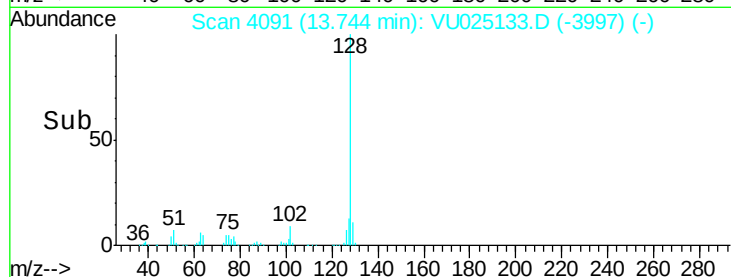
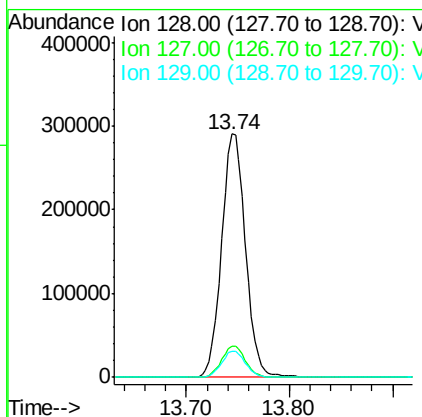
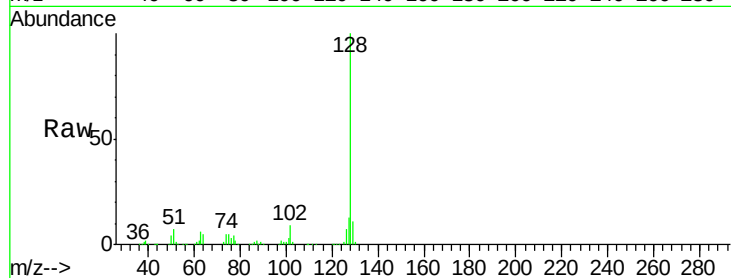
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	470122
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.7	8.6	12.8

Manual Integrations
APPROVED

sam
7/3/2018 3:52:26 PM



#96

1,2,3-Trichlorobenzene

Concen: 55.06 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU025133.D

Acq: 02 Jul 2018 10:26

Tgt Ion:	180	Resp:	160611
Ion Ratio		Lower	Upper
180	100		
182	96.1	47.9	143.7
145	31.8	15.4	46.1

