

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062718\
 Data File : VU024981.D
 Acq On : 27 Jun 2018 21:43
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 4:37:04 PM

Quant Time: Jun 28 05:03:17 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	180672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	274350	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	265310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	165896	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	144162	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
35) Dibromofluoromethane	4.89	113	116559	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
50) Toluene-d8	7.57	98	393181	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
62) 4-Bromofluorobenzene	10.31	95	167625	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	97288	43.02	ug/l	99
3) Chloromethane	1.33	50	99663	43.14	ug/l	100
4) Vinyl Chloride	1.40	62	109450	45.94	ug/l	98
5) Bromomethane	1.61	94	64355	55.87	ug/l	99
6) Chloroethane	1.69	64	71430	53.73	ug/l	97
7) Trichlorofluoromethane	1.88	101	183292	50.41	ug/l	98
8) Diethyl Ether	2.10	74	67657	54.86	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	106258	47.10	ug/l	98
10) Methyl Iodide	2.41	142	124415	63.56	ug/l	97
11) Tert butyl alcohol	2.82	59	165888	231.25	ug/l	100
12) 1,1-Dichloroethene	2.28	96	98914	48.08	ug/l	95
13) Acrolein	2.19	56	37047	98.35	ug/l	99
14) Allyl chloride	2.59	41	175509	45.95	ug/l	99
15) Acrylonitrile	2.93	53	342036	245.07	ug/l	99
16) Acetone	2.32	43	317819	200.55	ug/l	98
17) Carbon Disulfide	2.48	76	282134	42.83	ug/l	99
18) Methyl Acetate	2.62	43	197752	58.21	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	396735	51.30	ug/l	96
20) Methylene Chloride	2.70	84	119582	48.09	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	111768	49.33	ug/l	96
22) Diisopropyl ether	3.57	45	382071	50.46	ug/l	95
23) Vinyl Acetate	3.53	43	1624071	239.44	ug/l	99
24) 1,1-Dichloroethane	3.45	63	218461	50.15	ug/l	99
25) 2-Butanone	4.26	43	496870	233.41	ug/l	98
26) 2,2-Dichloropropane	4.23	77	182906	44.22	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	129503	49.71	ug/l	99
28) Bromochloromethane	4.55	49	91278	47.57	ug/l	85
29) Tetrahydrofuran	4.63	42	320765	243.33	ug/l	97
30) Chloroform	4.68	83	231611	52.53	ug/l	99
31) Cyclohexane	5.00	56	201754	52.25	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	213715	52.42	ug/l	96
36) 1,1-Dichloropropene	5.14	75	165020	51.19	ug/l	98
37) Ethyl Acetate	4.38	43	187190	53.27	ug/l	98
38) Carbon Tetrachloride	5.14	117	188389	53.14	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	202303	50.29	ug/l	97
40) Benzene	5.39	78	481228	52.39	ug/l	99
41) Methacrylonitrile	4.54	41	104128	54.96	ug/l	98
42) 1,2-Dichloroethane	5.41	62	199459	57.01	ug/l	99
43) Isopropyl Acetate	5.55	43	299466	49.31	ug/l	99
44) Trichloroethene	6.19	130	136005	52.02	ug/l	97
45) 1,2-Dichloropropane	6.44	63	127518	52.03	ug/l	98
46) Dibromomethane	6.56	93	92899	53.96	ug/l	95
47) Bromodichloromethane	6.76	83	180446	52.63	ug/l	100
48) Methyl methacrylate	6.62	41	156781	53.01	ug/l	98
49) 1,4-Dioxane	6.62	88	70532	1219.48	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	972035	254.74	ug/l	97
52) Toluene	7.64	92	312258	52.84	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	192277	49.94	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	202120	49.27	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	125385	52.19	ug/l	98
56) Ethyl methacrylate	8.02	69	204187	50.78	ug/l	99
57) 1,3-Dichloropropane	8.25	76	217130	53.58	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	99001	64.27	ug/l	94
59) 2-Hexanone	8.36	43	789361	253.39	ug/l	100
60) Dibromochloromethane	8.48	129	148277	49.50	ug/l	99
61) 1,2-Dibromoethane	8.59	107	139938	52.33	ug/l	98
64) Tetrachloroethene	8.23	164	125551	49.78	ug/l	98
65) Chlorobenzene	9.12	112	358638	52.91	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	134062	52.06	ug/l	98
67) Ethyl Benzene	9.25	91	622744	52.41	ug/l	99
68) m/p-Xylenes	9.38	106	484096	106.10	ug/l	98
69) o-Xylene	9.78	106	243460	53.92	ug/l	96
70) Styrene	9.80	104	388176	52.31	ug/l	99
71) Bromoform	9.96	173	117992	48.21	ug/l #	99
73) Isopropylbenzene	10.17	105	652211	51.21	ug/l	99
74) N-amyl acetate	10.01	43	280125	46.24	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	218039	51.09	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	199384m	54.59	ug/l	
77) Bromobenzene	10.45	156	166827	51.74	ug/l	94
78) n-propylbenzene	10.59	91	743180	49.53	ug/l	97
79) 2-Chlorotoluene	10.66	91	452006	51.09	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	569339	51.57	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	70394m	44.61	ug/l	
82) 4-Chlorotoluene	10.78	91	516459	50.15	ug/l	99
83) tert-Butylbenzene	11.10	119	563012	53.02	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	579722	51.53	ug/l	99
85) sec-Butylbenzene	11.33	105	677967	51.00	ug/l	98
86) p-Isopropyltoluene	11.48	119	602300	50.59	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	306670	51.48	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	307833	51.34	ug/l	99
89) n-Butylbenzene	11.89	91	492849	46.63	ug/l	98
90) Hexachloroethane	12.15	117	106468	45.84	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	320985	53.79	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	58066	49.30	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	206902	56.15	ug/l	99
94) Hexachlorobutadiene	13.70	225	110489	53.27	ug/l	99
95) Naphthalene	13.74	128	669617	54.83	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	214646	58.46	ug/l	99

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

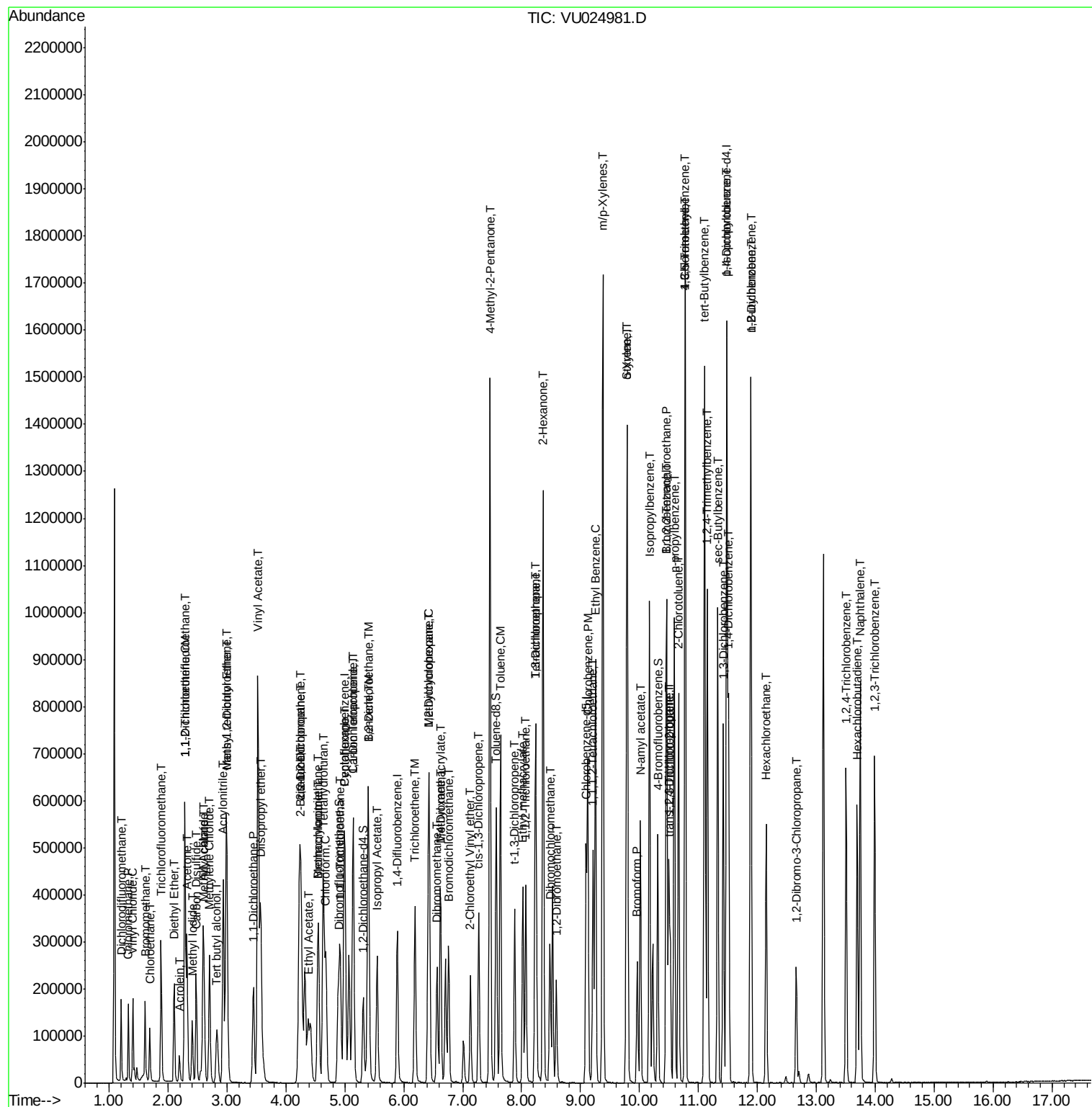
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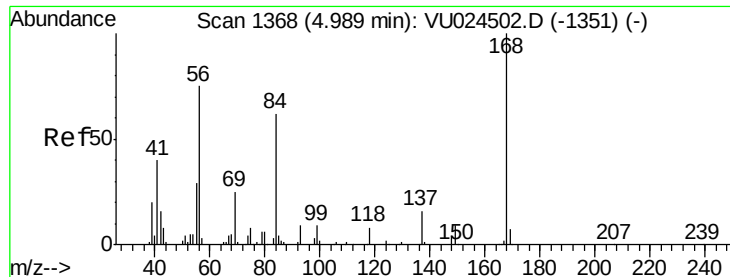
Instrument :
MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 180672

Ion Ratio Lower Upper

168 100

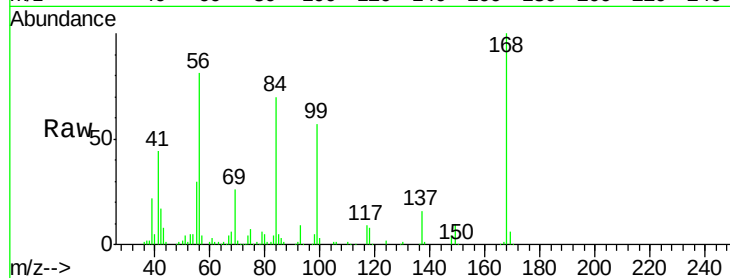
99 56.9 43.2 64.8

Manual Integrations

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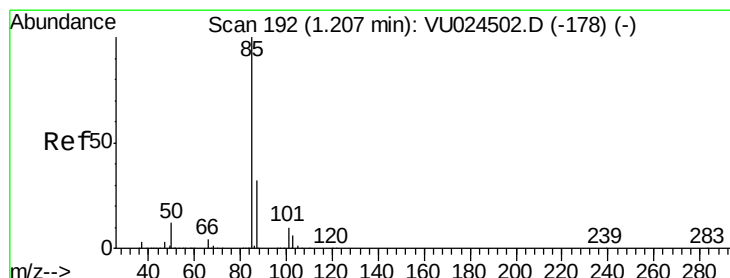
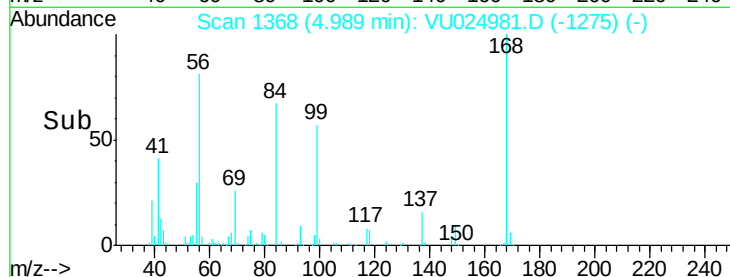
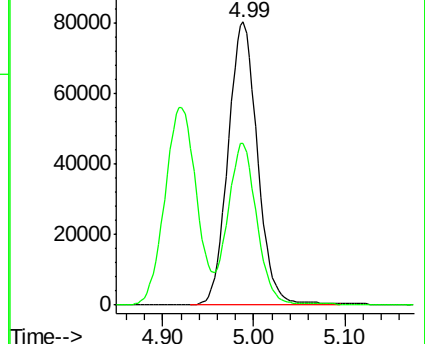
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 43.02 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024981.D

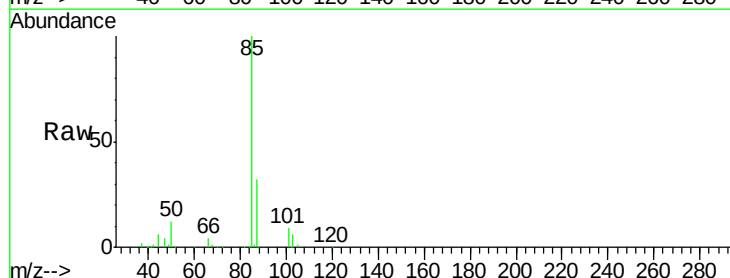
Acq: 27 Jun 2018 21:43

Tgt Ion: 85 Resp: 97288

Ion Ratio Lower Upper

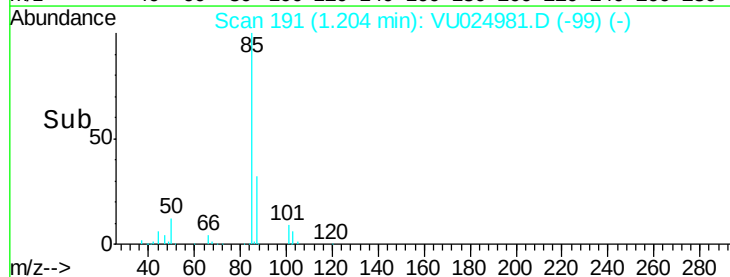
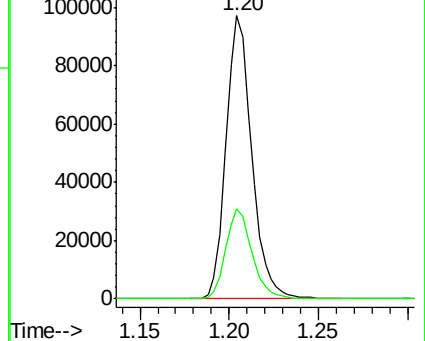
85 100

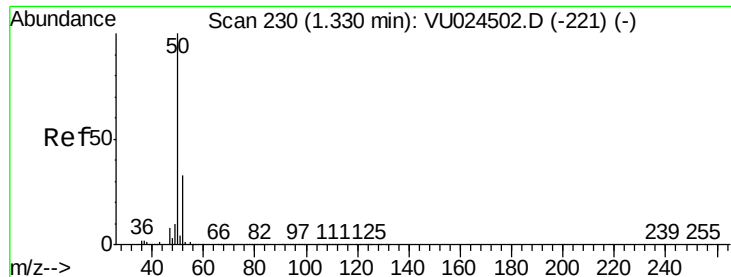
87 31.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 43.14 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 99663

Ion Ratio Lower Upper

50 100

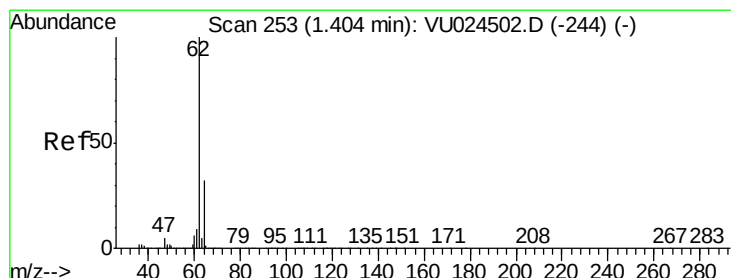
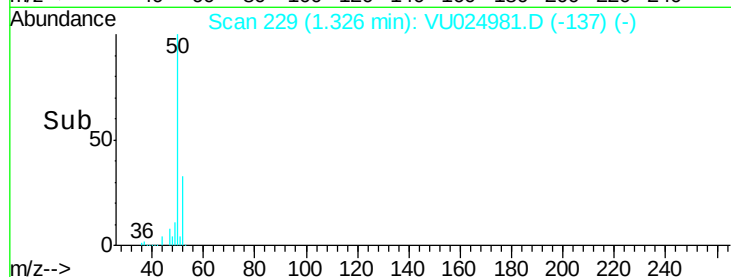
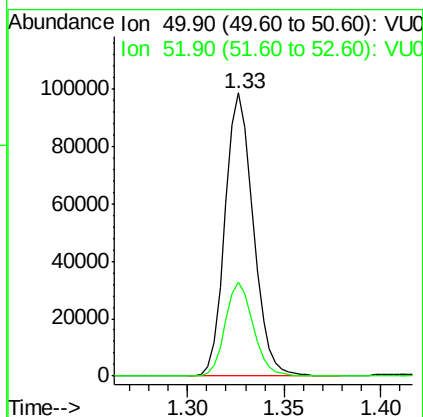
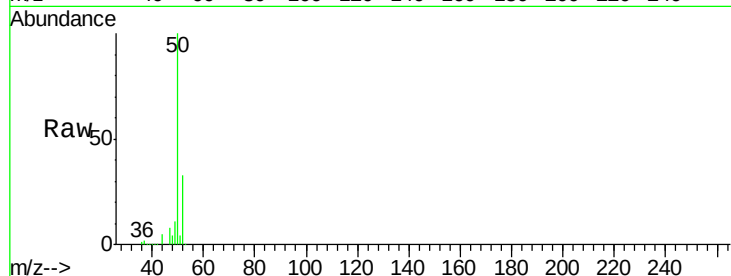
52 33.1 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.94 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024981.D

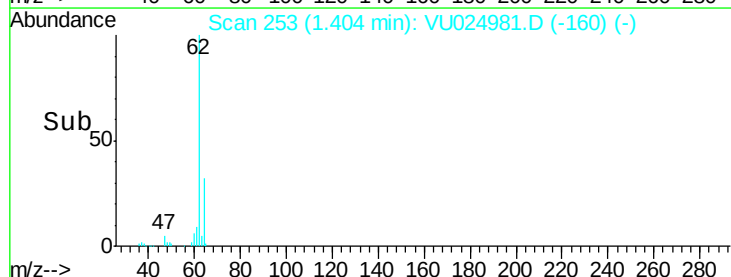
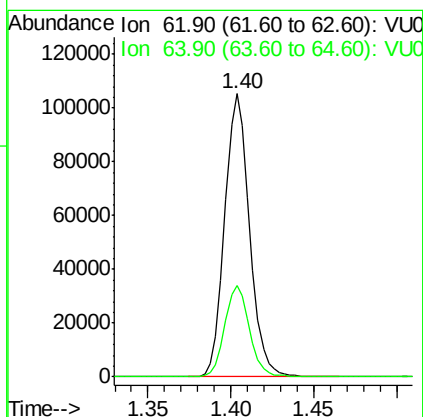
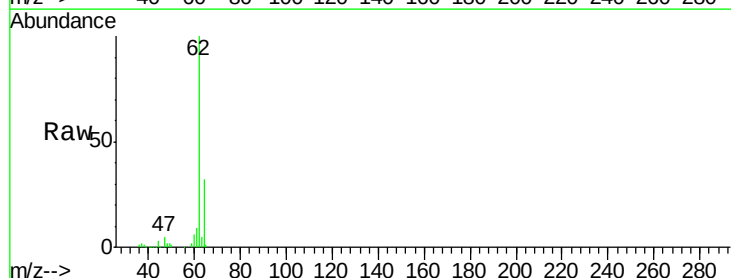
Acq: 27 Jun 2018 21:43

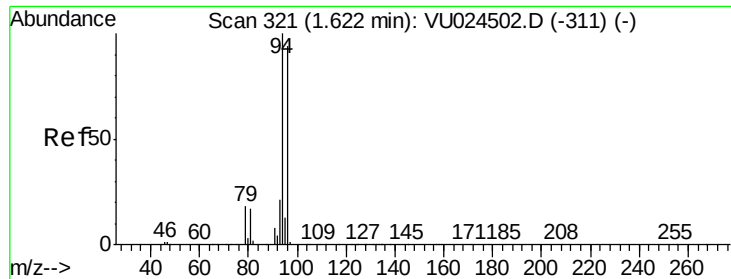
Tgt Ion: 62 Resp: 109450

Ion Ratio Lower Upper

62 100

64 32.2 24.8 37.2





#5

Bromomethane

Concen: 55.87 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 64355

Ion Ratio Lower Upper

94 100

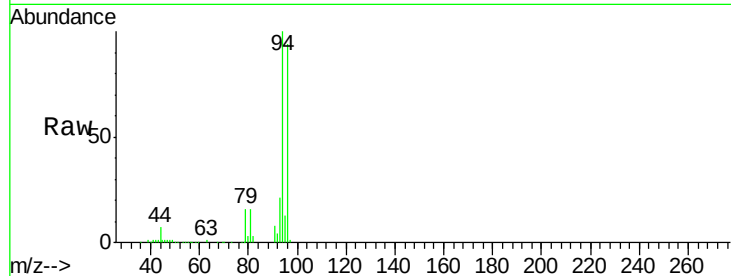
96 94.5 74.5 111.7

Manual Integrations

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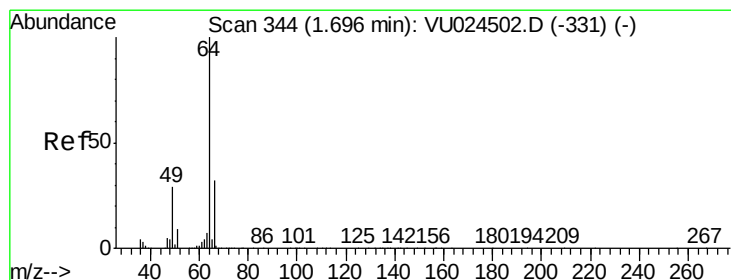
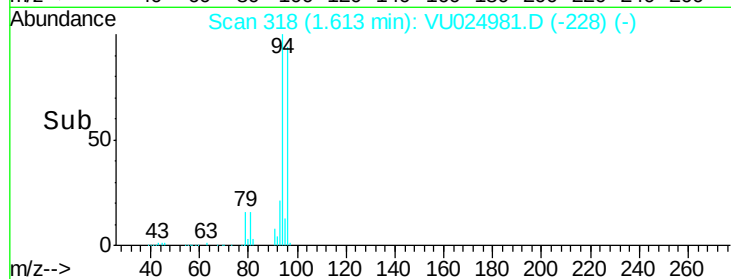
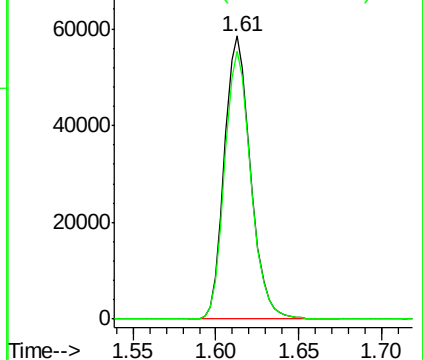
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 53.73 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU024981.D

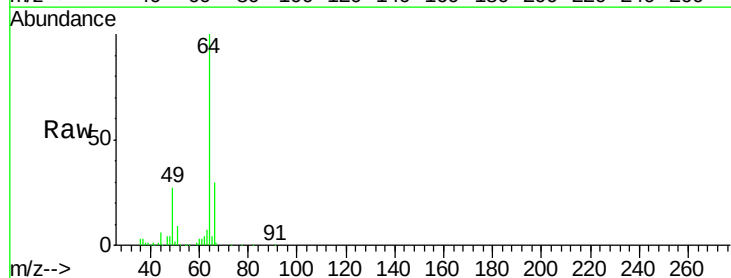
Acq: 27 Jun 2018 21:43

Tgt Ion: 64 Resp: 71430

Ion Ratio Lower Upper

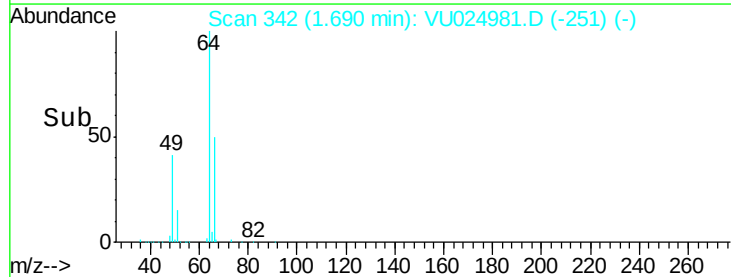
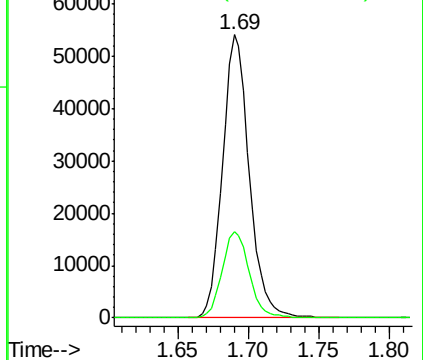
64 100

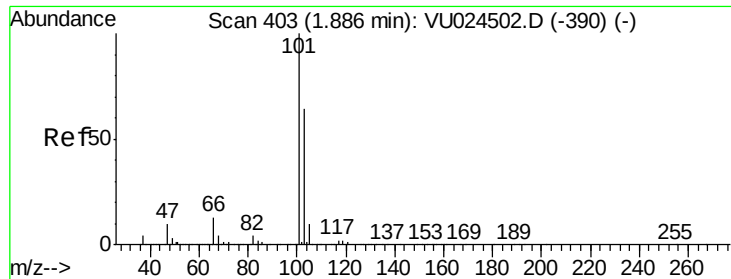
66 30.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

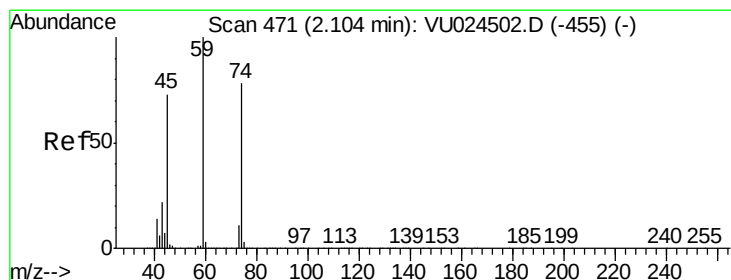
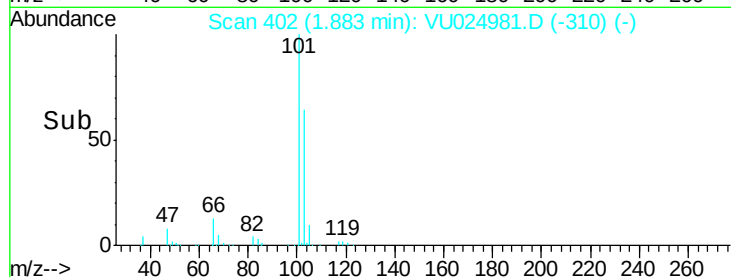
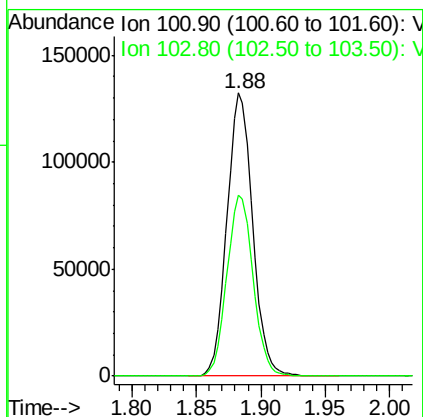
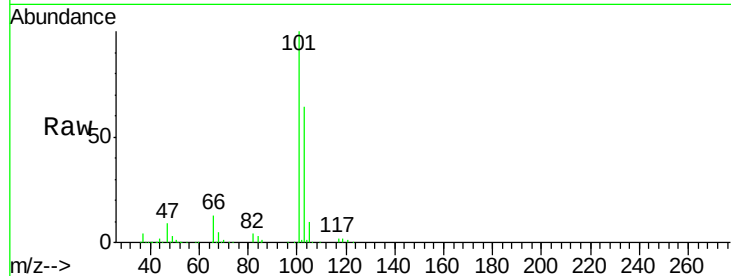
Trichlorofluoromethane
Concen: 50.41 ug/l
RT: 1.88 min Scan# 402
Delta R.T. -0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.3	78.5

Manual Integrations
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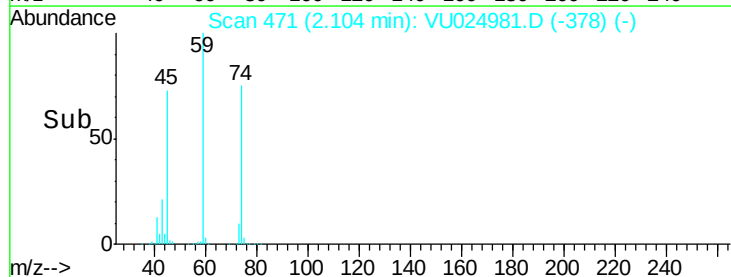
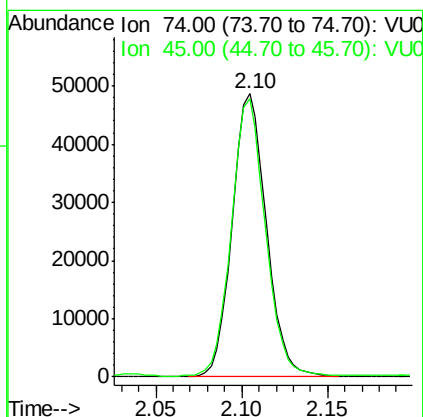
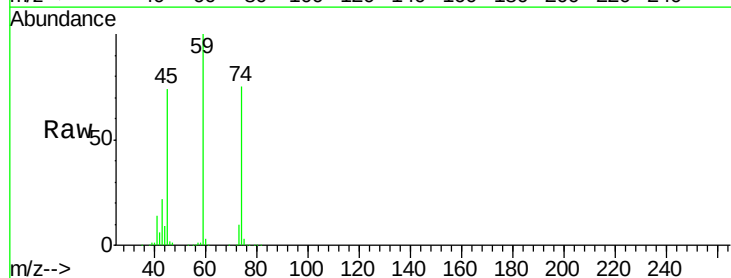
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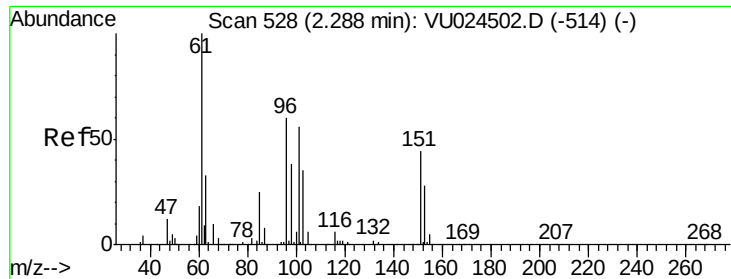


#8

Diethyl Ether
Concen: 54.86 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024981.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	55.0	165.0





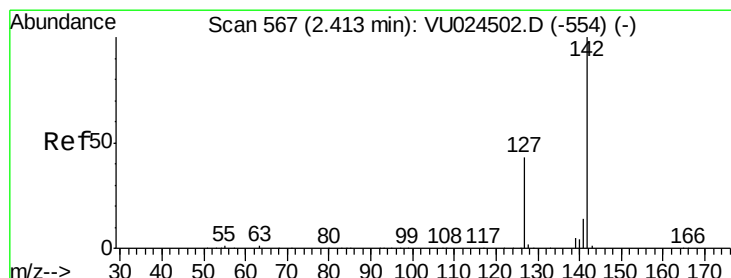
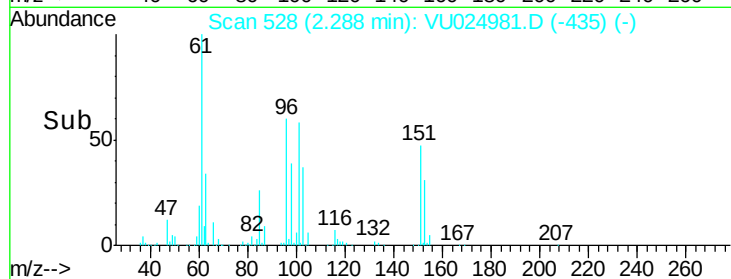
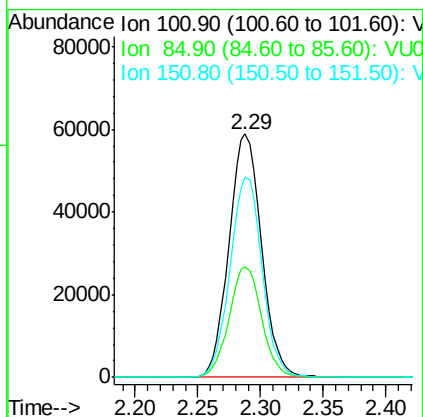
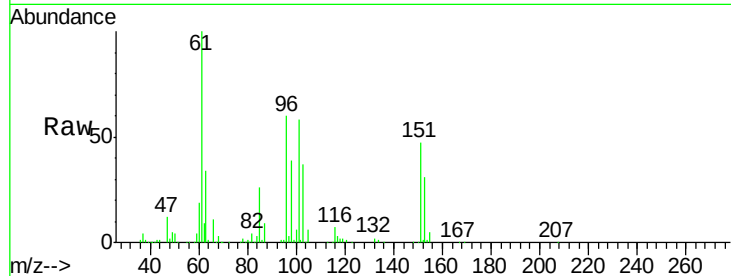
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.10 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	45.3	36.0	54.0
151	80.9	62.3	93.5

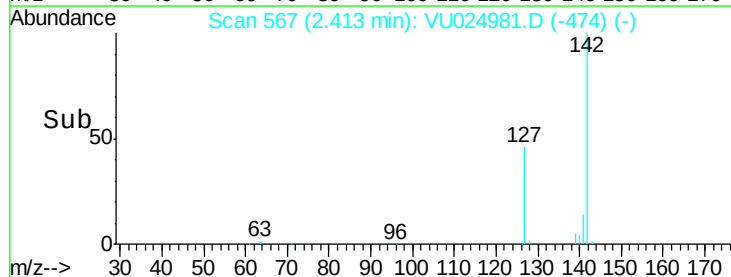
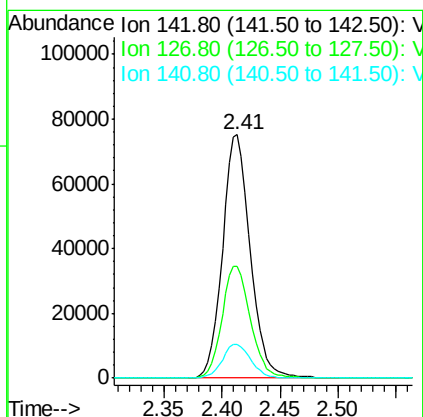
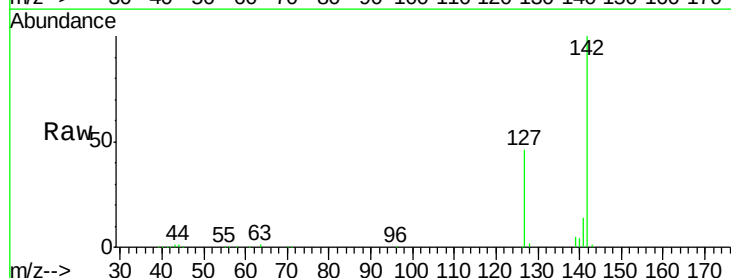
Manual Integrations
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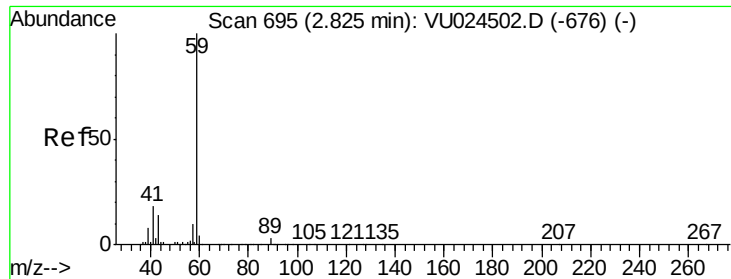
MMDadoda
6/28/2018 4:37:04 PM



#10
Methyl Iodide
Concen: 63.56 ug/l
RT: 2.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
127	47.4	35.6	53.4
141	14.5	11.7	17.5





#11

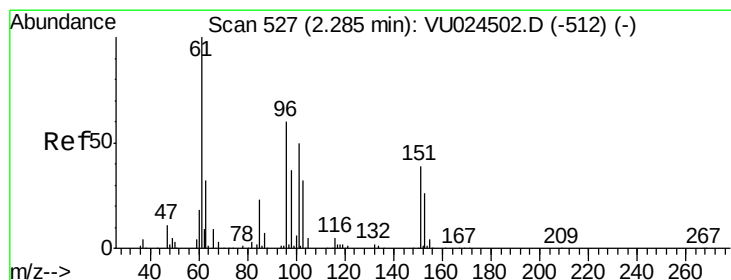
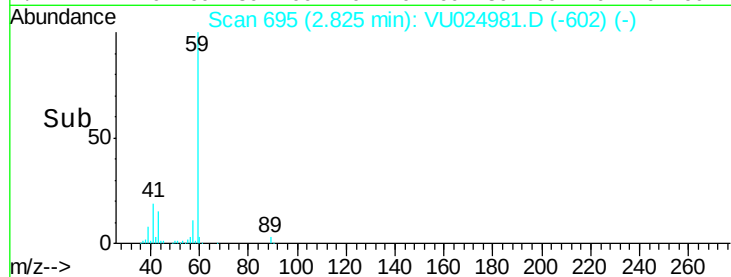
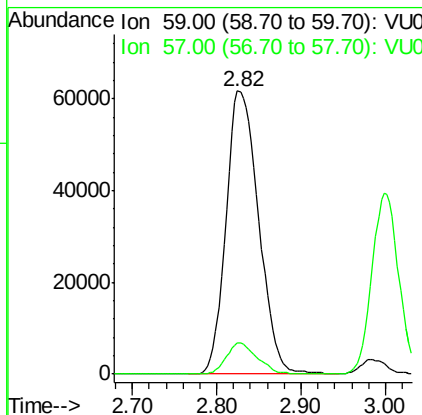
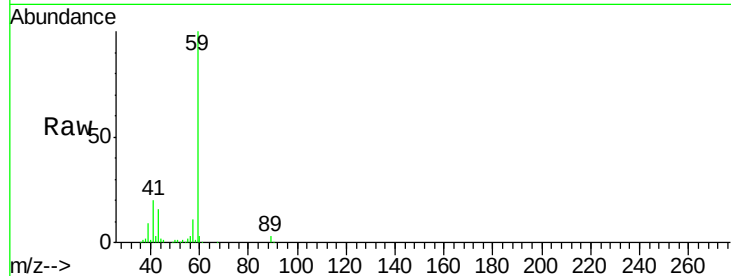
Tert butyl alcohol
Concen: 231.25 ug/l
RT: 2.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

Manual Integrations
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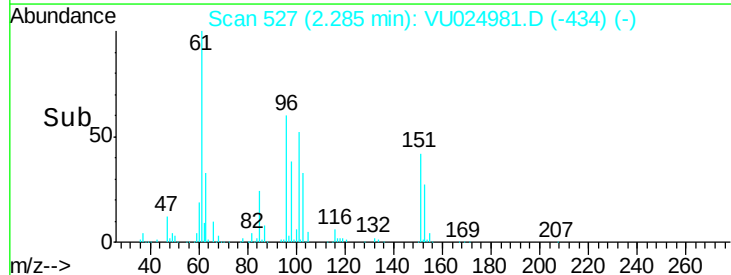
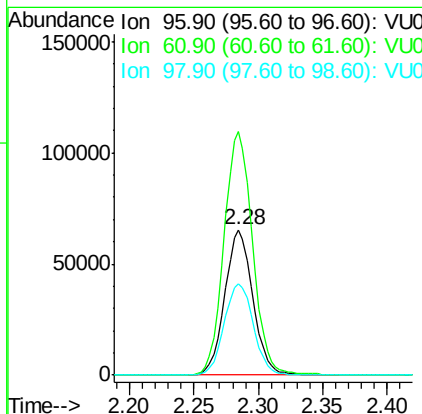
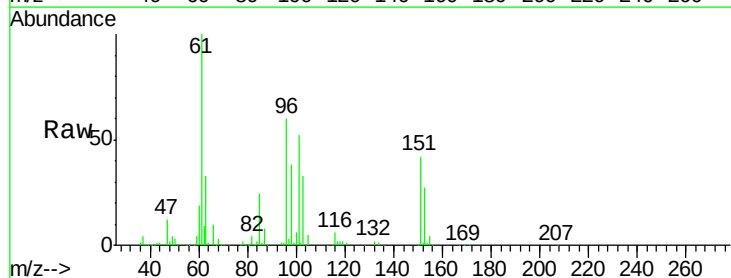
MMDadoda
6/28/2018 4:37:04 PM

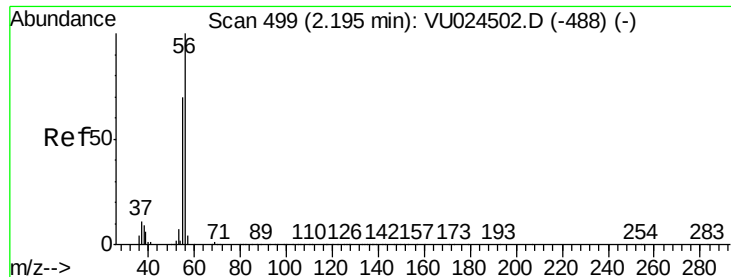


#12

1,1-Dichloroethene
Concen: 48.08 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.6	141.7	212.5
98	63.2	51.6	77.4





#13

Acrolein

Concen: 98.35 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 37047

Ion Ratio Lower Upper

56 100

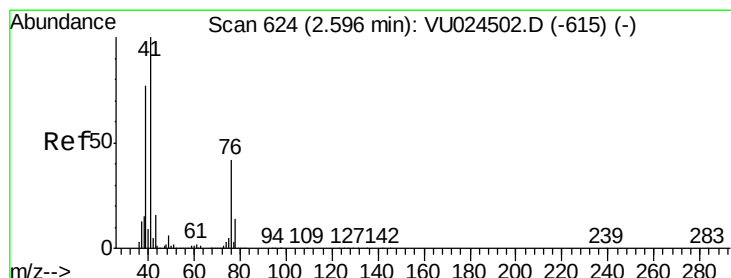
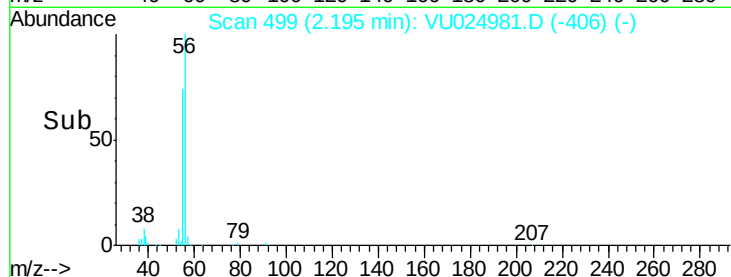
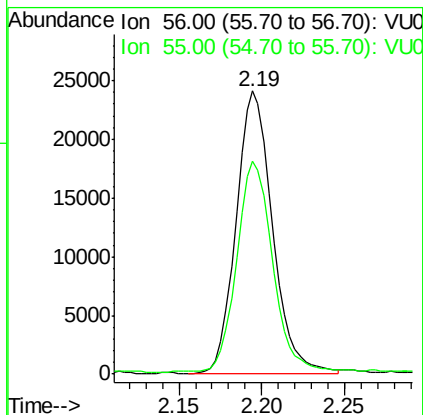
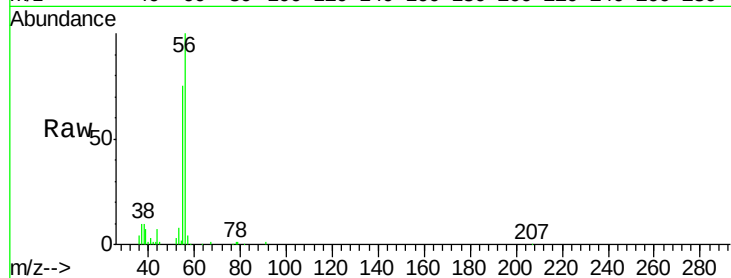
55 72.2 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 45.95 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

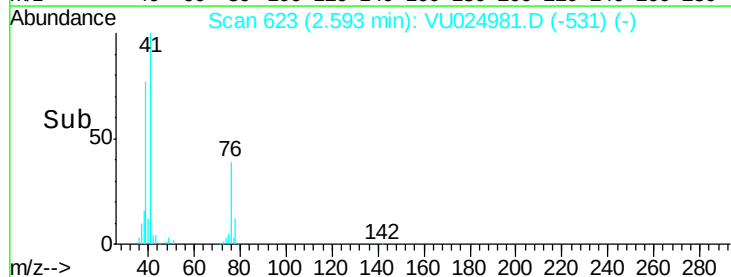
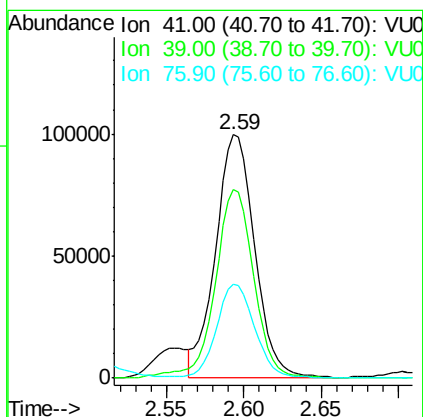
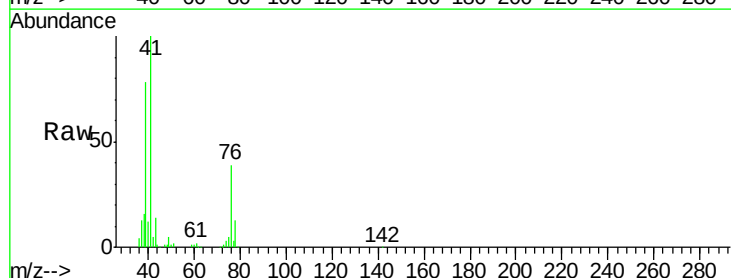
Tgt Ion: 41 Resp: 175509

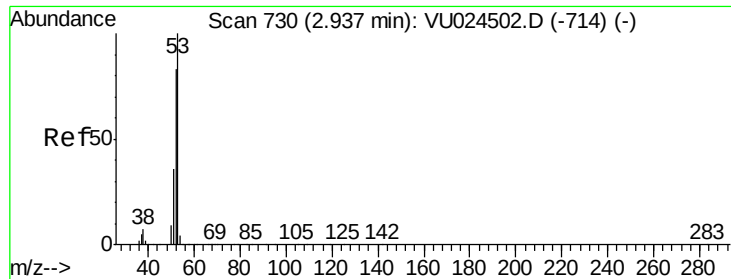
Ion Ratio Lower Upper

41 100

39 76.1 61.6 92.4

76 37.7 29.7 44.5





#15

Acrylonitrile

Concen: 245.07 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Instrument :

MSVOA_U

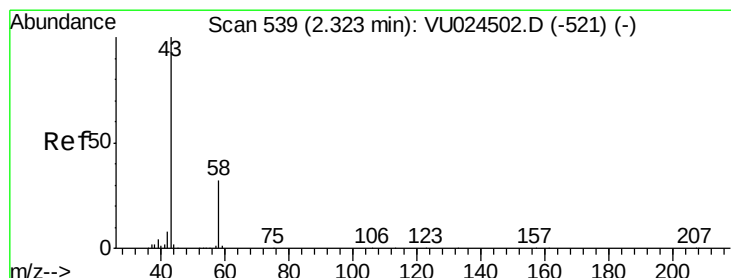
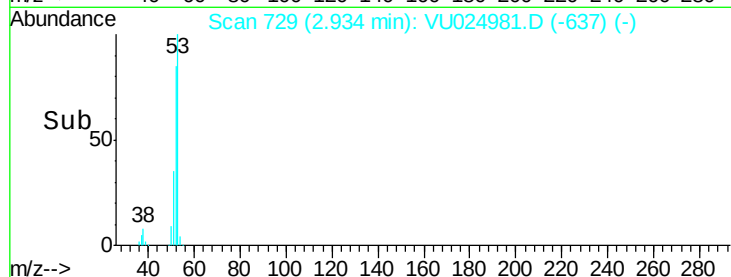
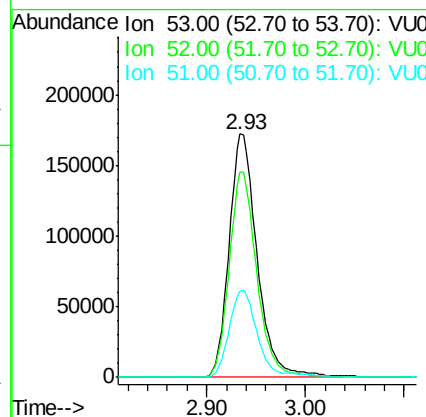
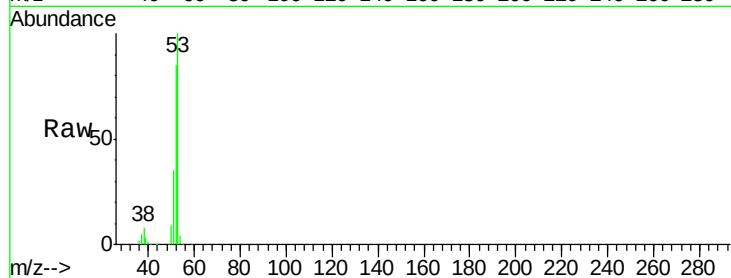
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	342036
Ion Ratio	Lower	Upper	
53	100		
52	83.4	67.1	100.7
51	36.7	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 200.55 ug/l

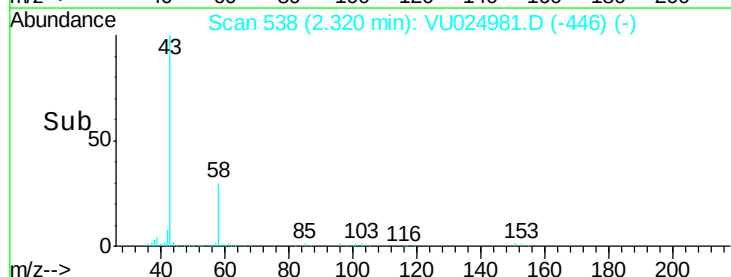
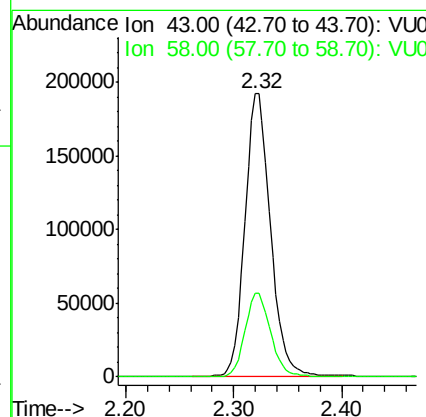
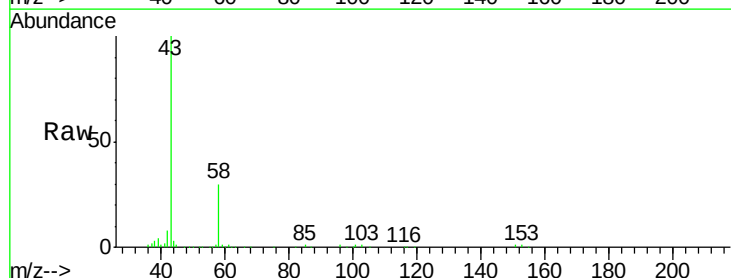
RT: 2.32 min Scan# 538

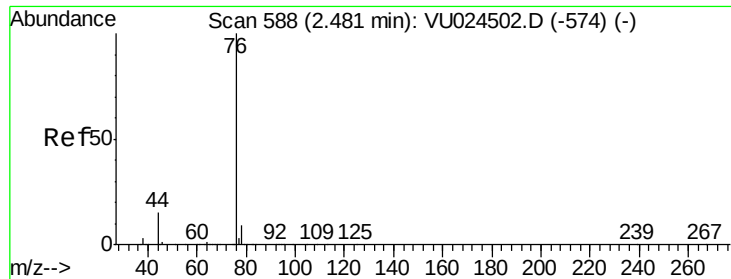
Delta R.T. -0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Tgt Ion:	43	Resp:	317819
Ion Ratio	Lower	Upper	
43	100		
58	29.5	24.4	36.6





#17

Carbon Disulfide

Concen: 42.83 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

Instrument :

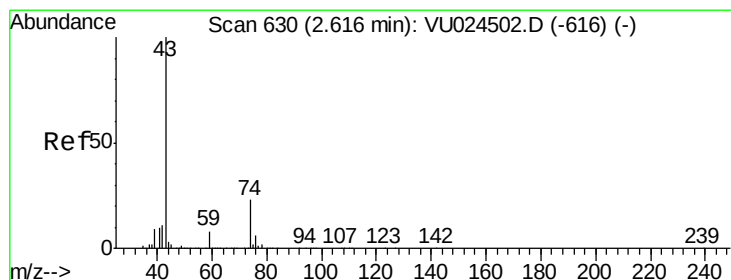
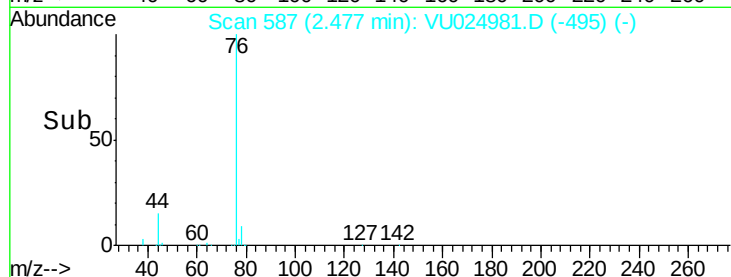
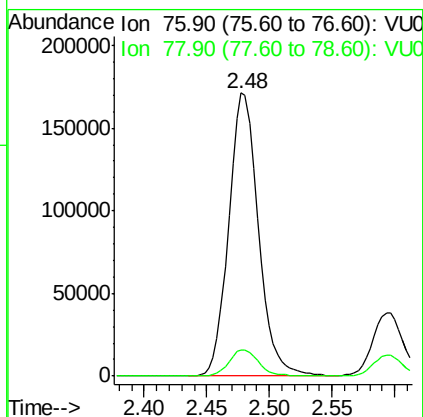
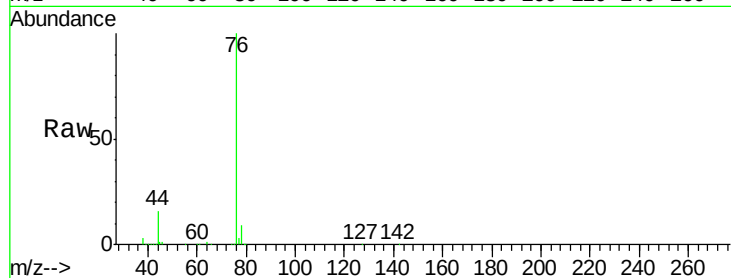
MSVOA_U

ClientSampleId :

VSTDCCC050

Manual Integrations
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#18

Methyl Acetate

Concen: 58.21 ug/l

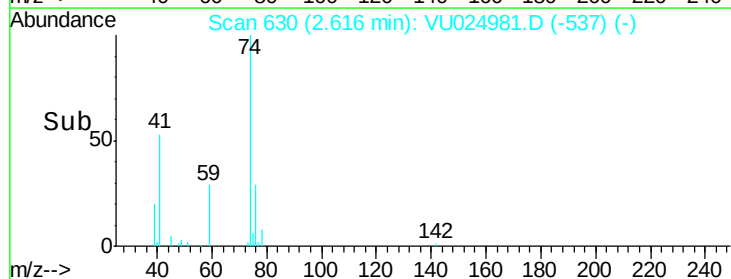
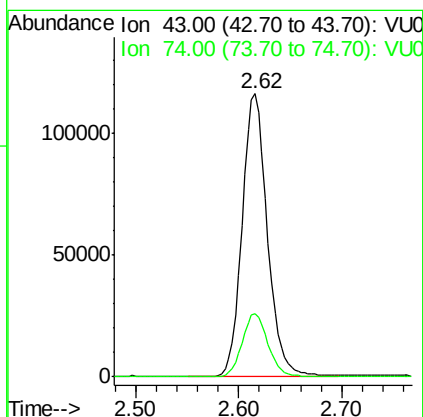
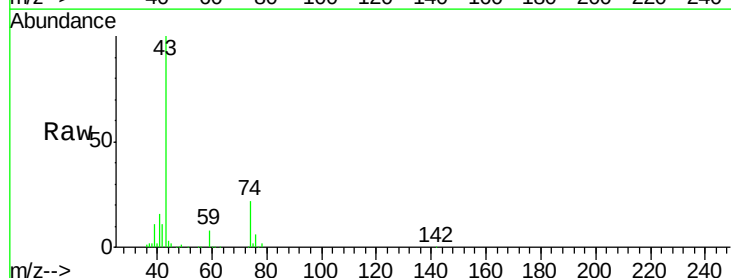
RT: 2.62 min Scan# 630

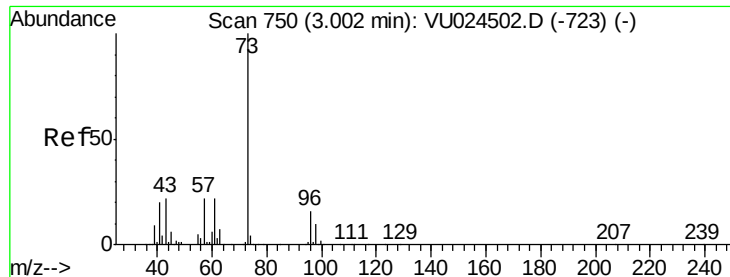
Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.0	27.0





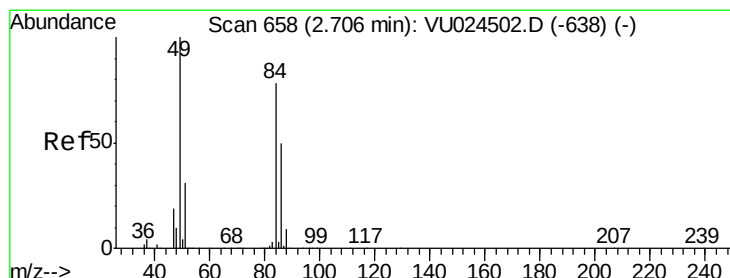
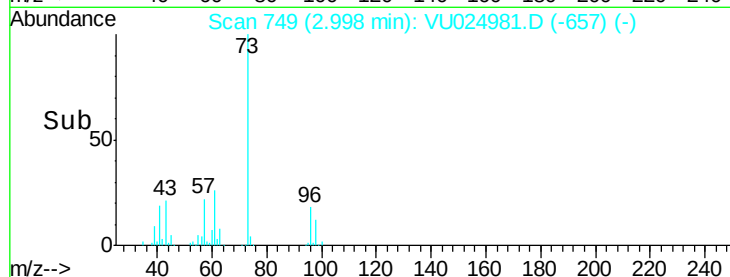
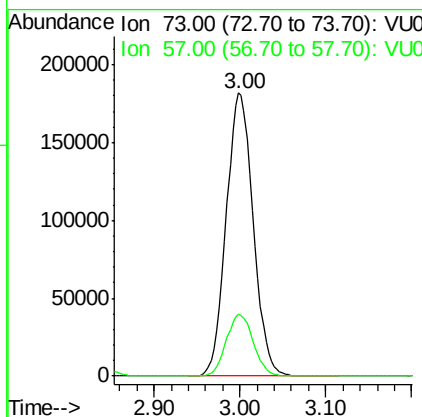
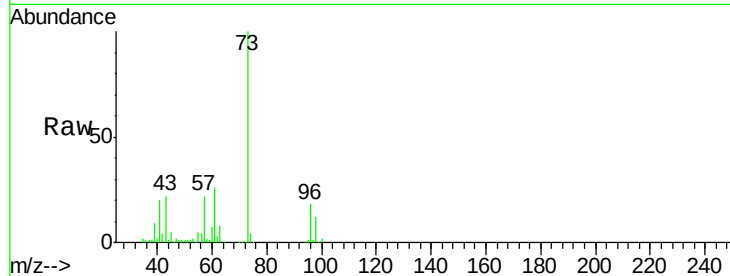
#19
Methyl tert-butyl Ether
Concen: 51.30 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.8	28.2

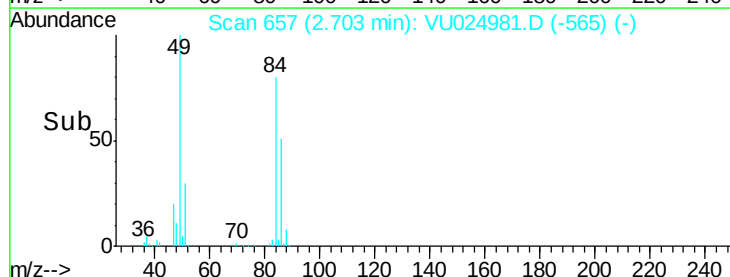
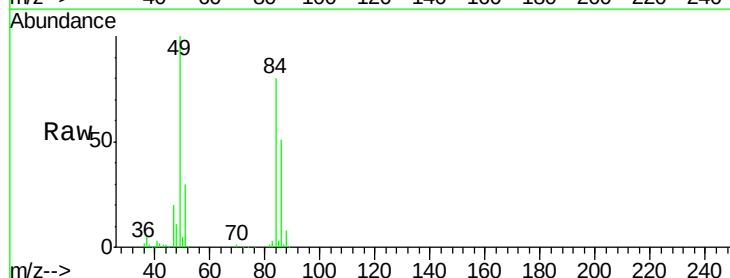
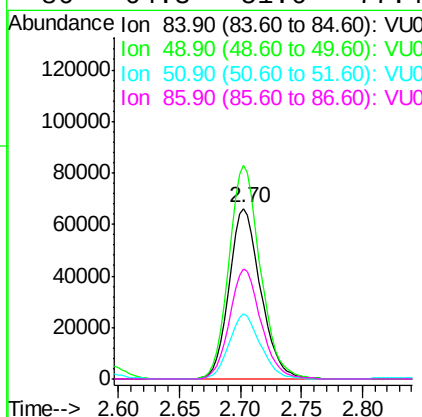
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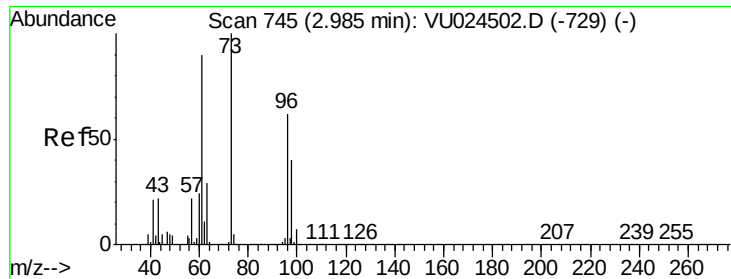
MMDadoda
6/28/2018 4:37:04 PM



#20
Methylene Chloride
Concen: 48.09 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.0	103.8	155.8
51	37.9	32.0	48.0
86	64.3	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 49.33 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Instrument :

MSVOA_U

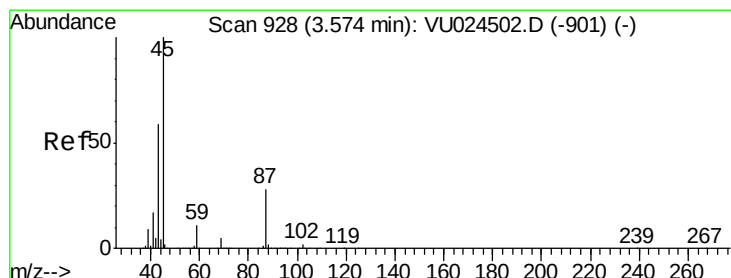
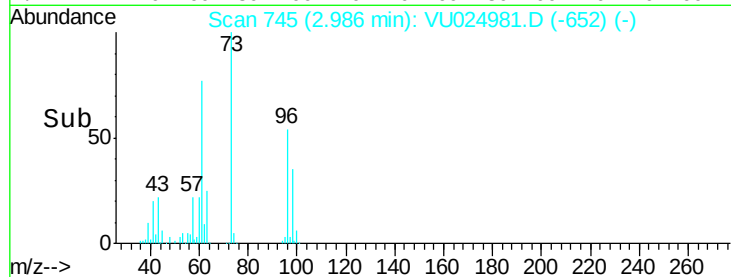
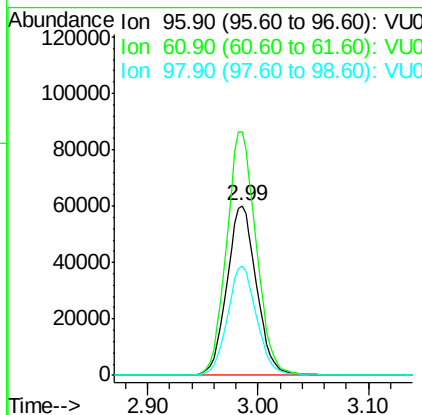
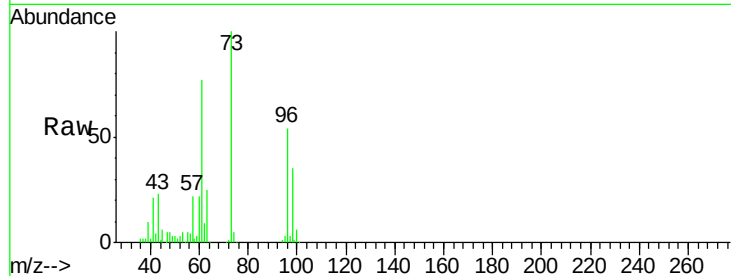
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	111768
Ion Ratio	Lower	Upper	
96	100		
61	143.3	119.4	179.0
98	64.5	51.1	76.7

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#22

Diisopropyl ether

Concen: 50.46 ug/l

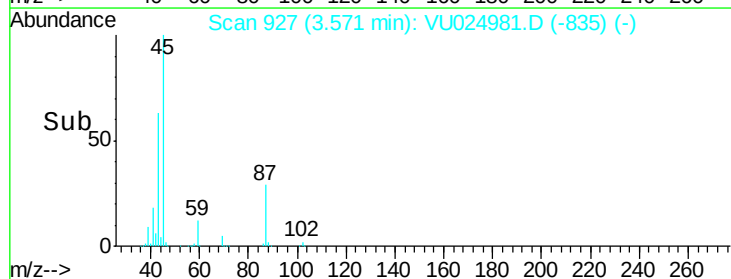
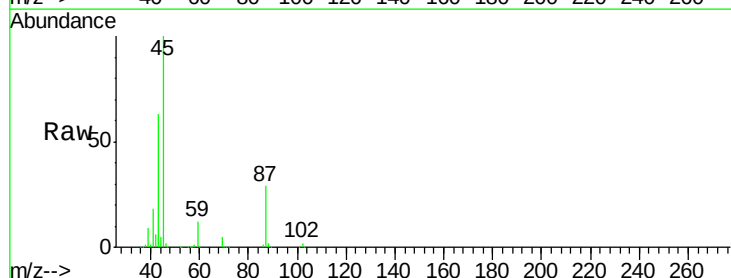
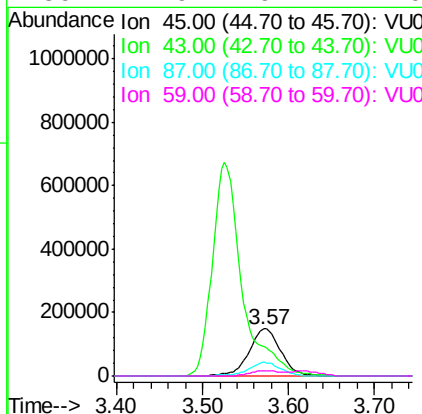
RT: 3.57 min Scan# 927

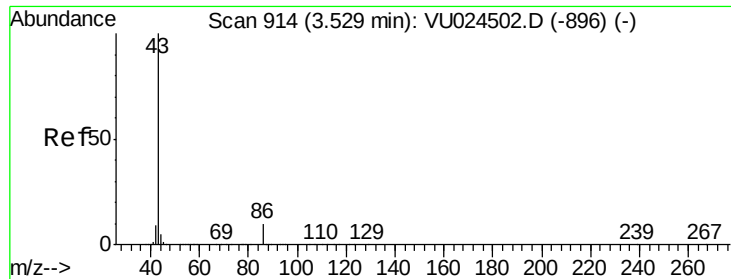
Delta R.T. -0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Tgt Ion:	45	Resp:	382071
Ion Ratio	Lower	Upper	
45	100		
43	61.6	45.8	68.6
87	28.7	20.6	31.0
59	11.9	9.4	14.0





#23

Vinyl Acetate

Concen: 239.44 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1624071

Ion Ratio Lower Upper

43 100

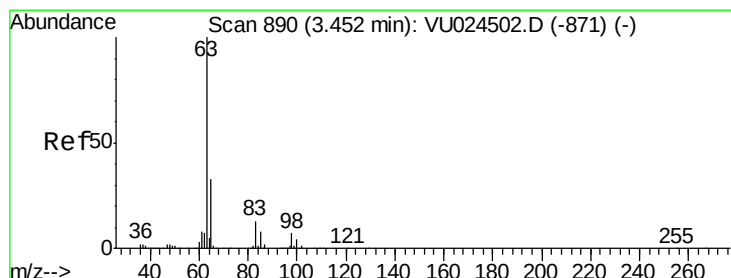
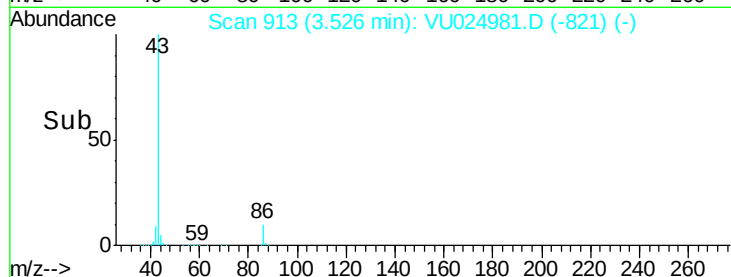
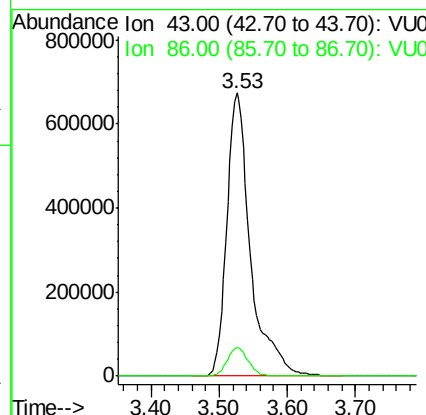
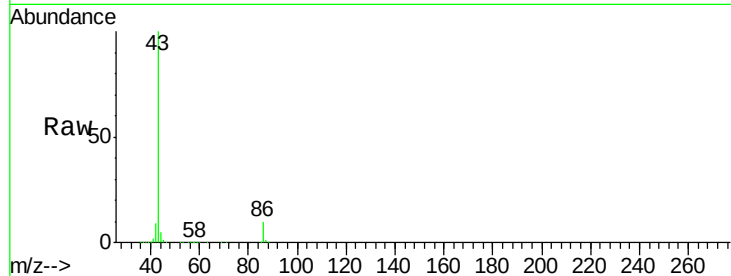
86 10.3 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.15 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

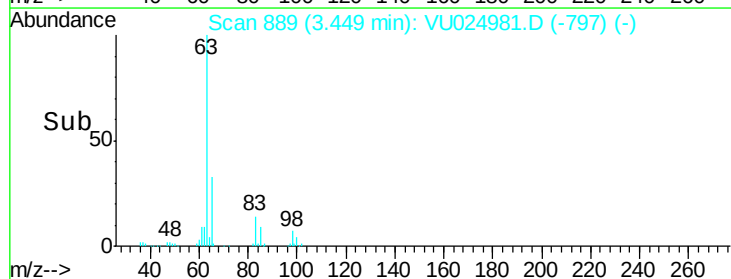
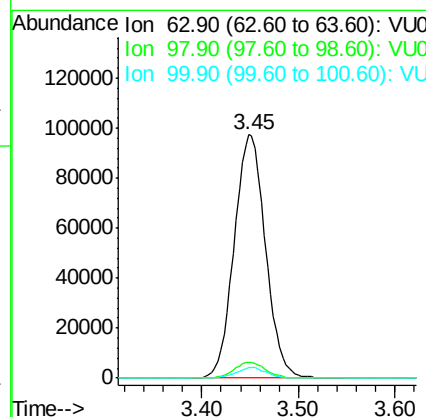
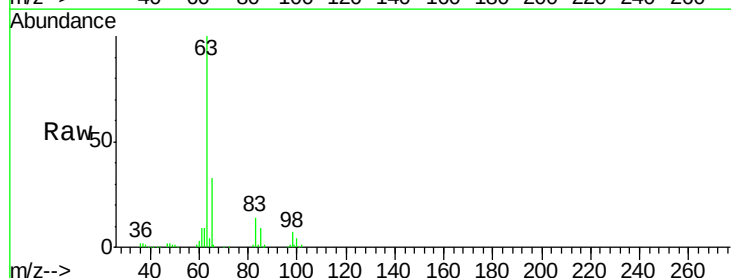
Tgt Ion: 63 Resp: 218461

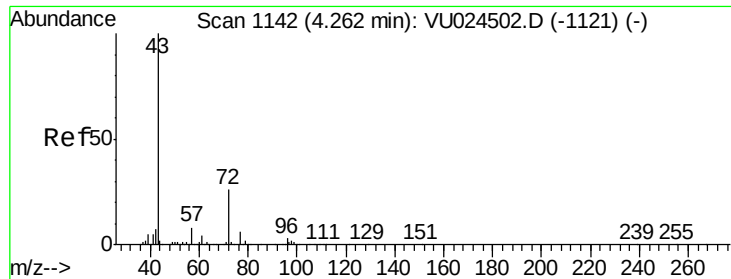
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

100 4.3 1.8 5.5





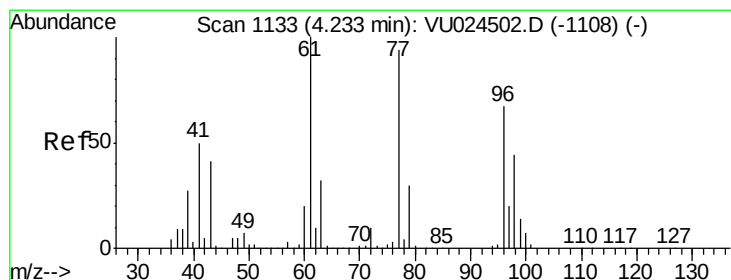
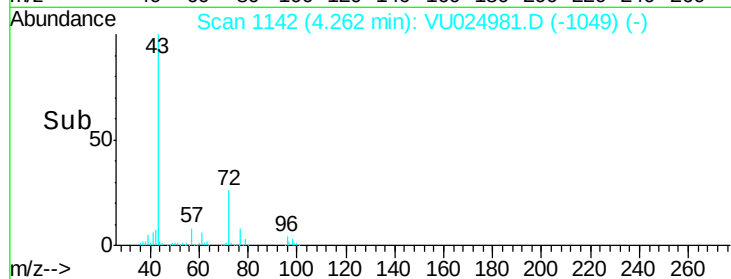
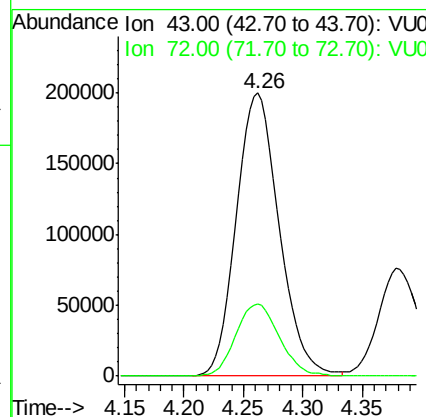
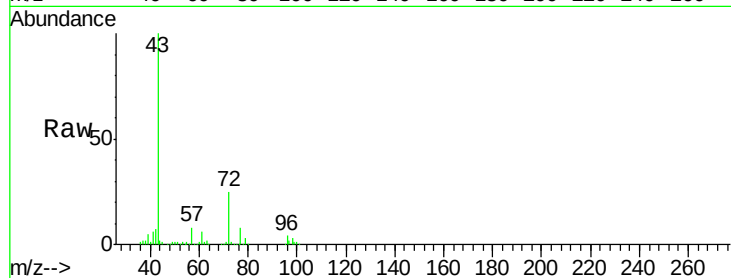
#25
2-Butanone
Concen: 233.41 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 496870
Ion Ratio Lower Upper
43 100
72 25.4 19.6 29.4

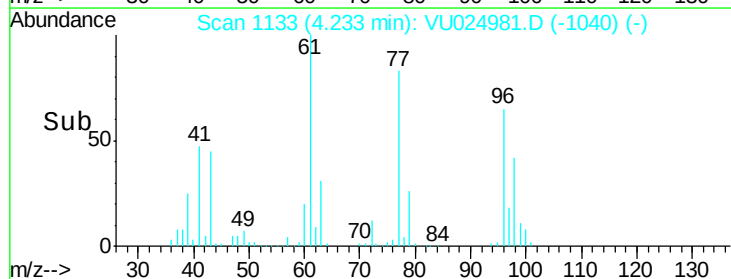
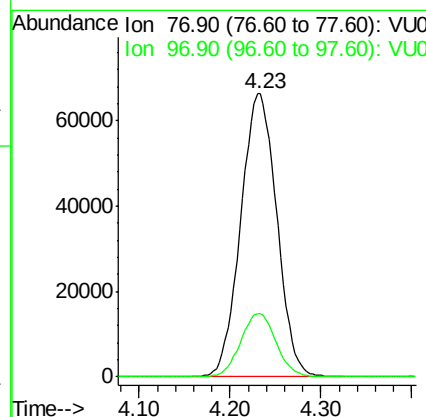
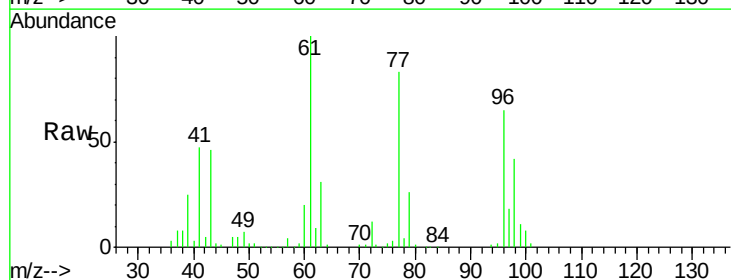
Manual Integrations
APPROVED

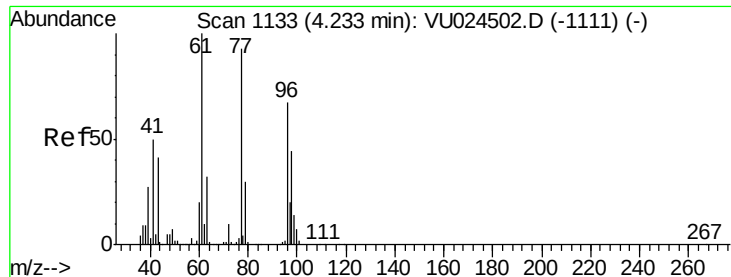
MMDadoda
6/28/2018 4:37:04 PM



#26
2,2-Dichloropropane
Concen: 44.22 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Tgt Ion: 77 Resp: 182906
Ion Ratio Lower Upper
77 100
97 21.9 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 49.71 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Instrument :

MSVOA_U

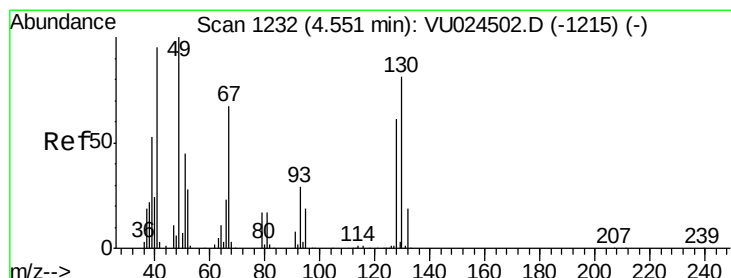
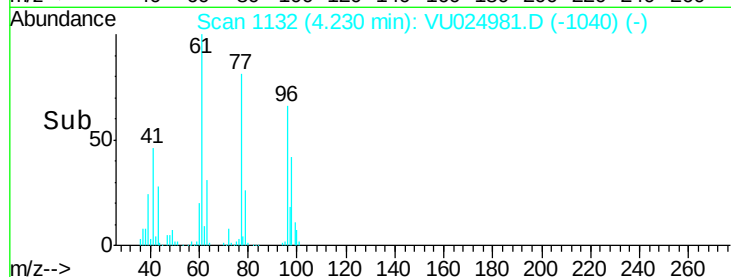
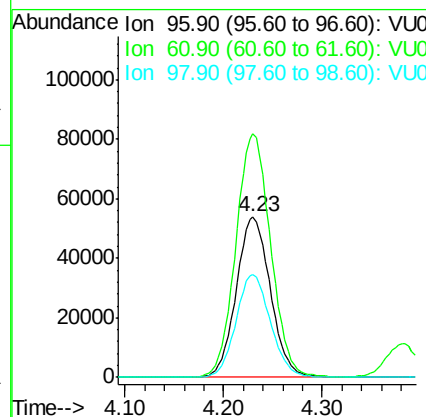
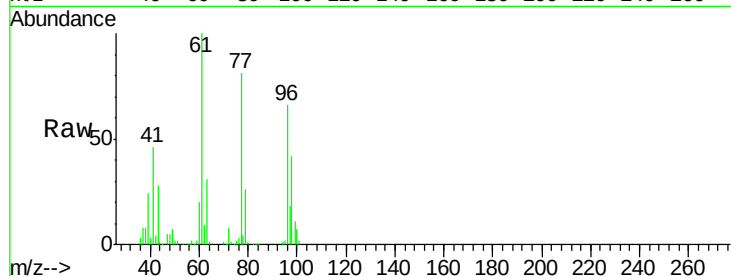
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	129503
Ion Ratio	Lower	Upper	
96	100		
61	154.9	0.0	306.6
98	65.0	0.0	128.8

Manual Integrations
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6/28/2018 4:37:04 PM



#28

Bromochloromethane

Concen: 47.57 ug/l

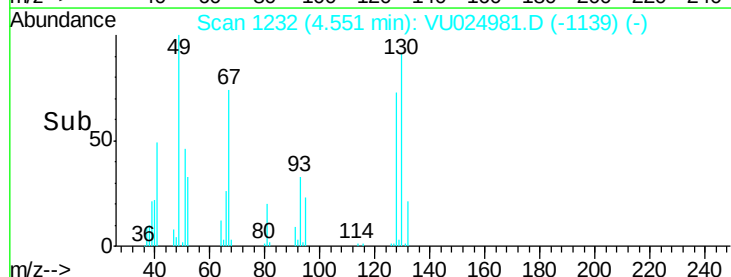
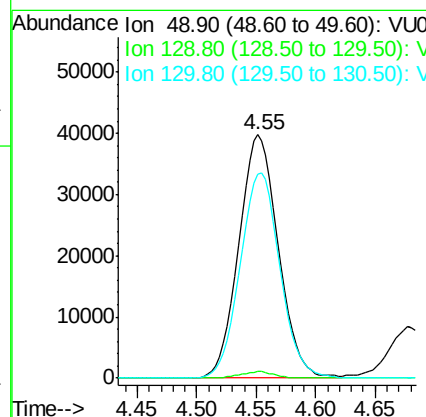
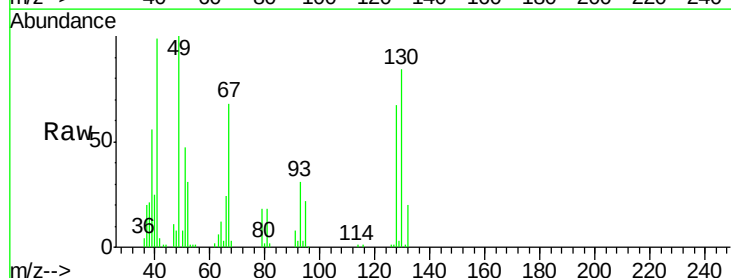
RT: 4.55 min Scan# 1232

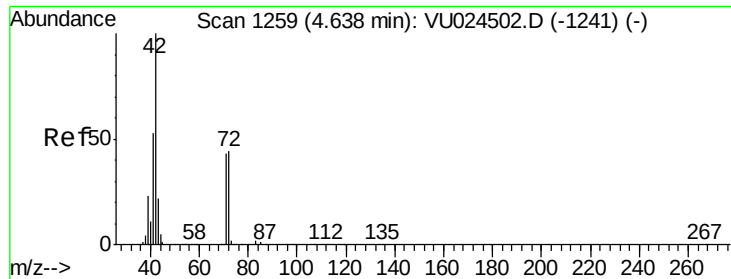
Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Tgt Ion:	49	Resp:	91278
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	3.8
130	85.2	57.8	86.6





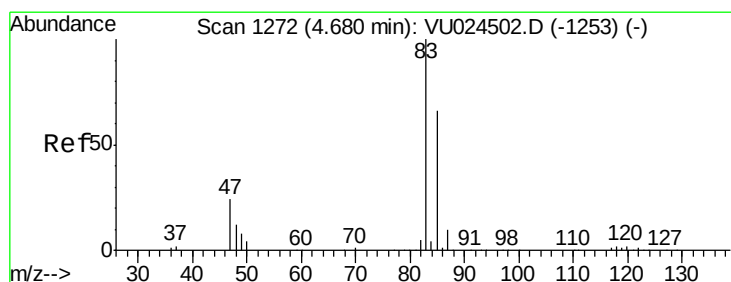
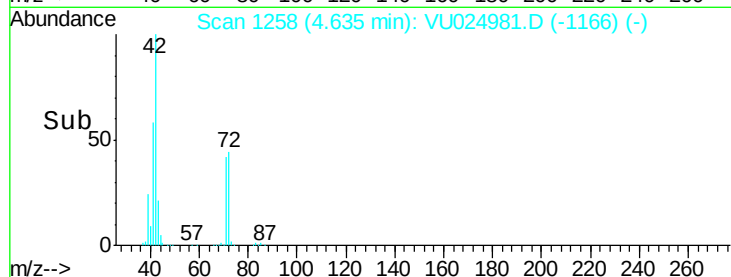
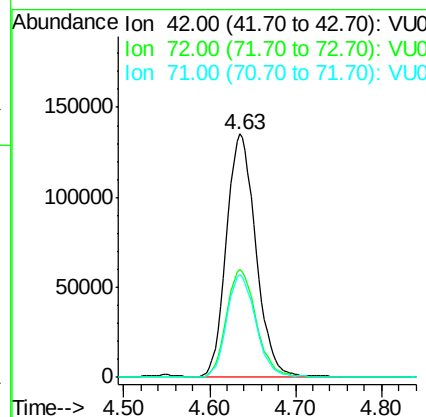
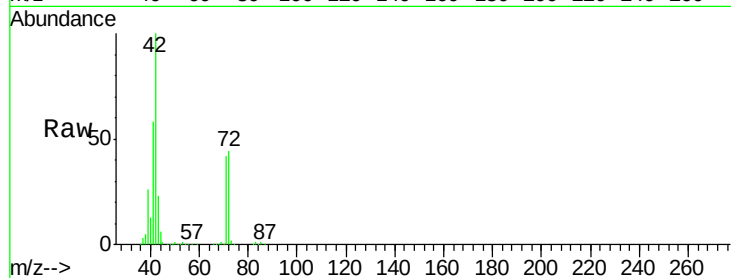
#29
Tetrahydrofuran
Concen: 243.33 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	34.5	51.7
71	41.5	32.2	48.4

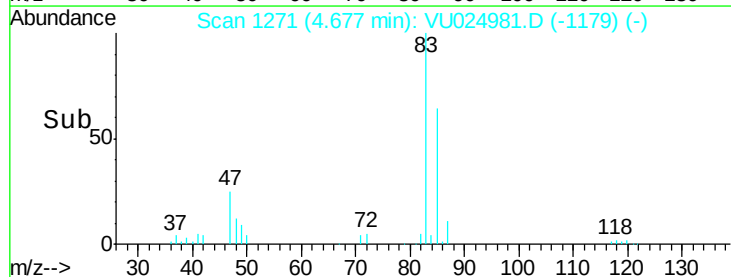
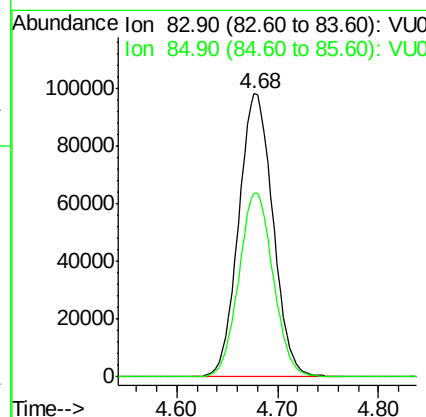
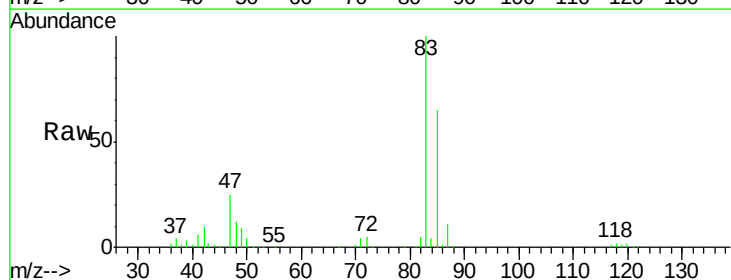
Manual Integrations
APPROVED

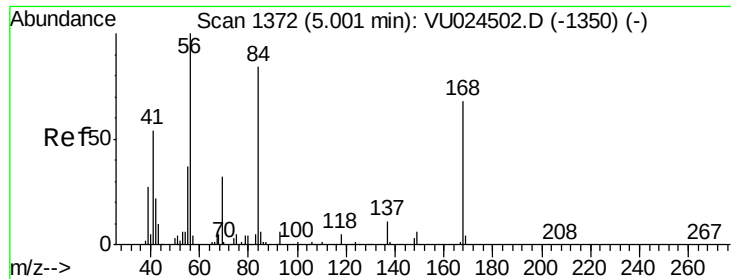
MMDadoda
6/28/2018 4:37:04 PM



#30
Chloroform
Concen: 52.53 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.4	78.6





#31

Cyclohexane

Concen: 52.25 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU024981.D

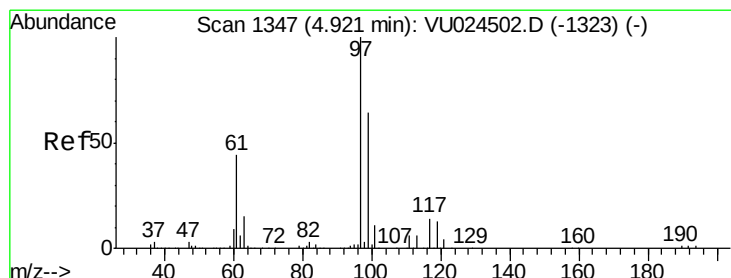
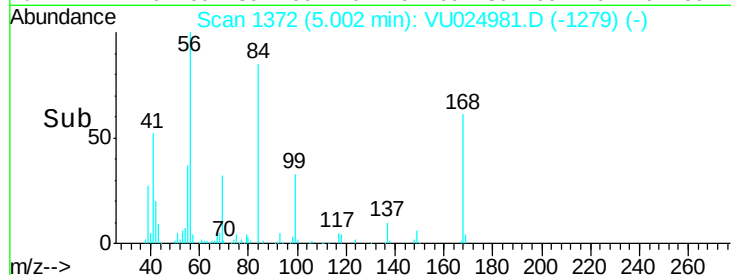
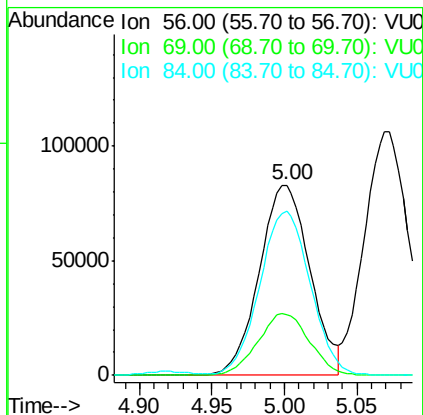
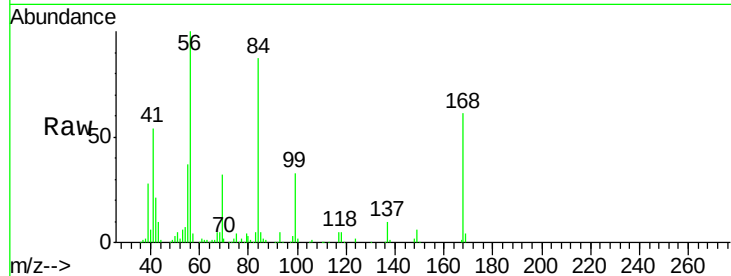
Acq: 27 Jun 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	24.8	37.2
84	85.1	65.2	97.8

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 52.42 ug/l

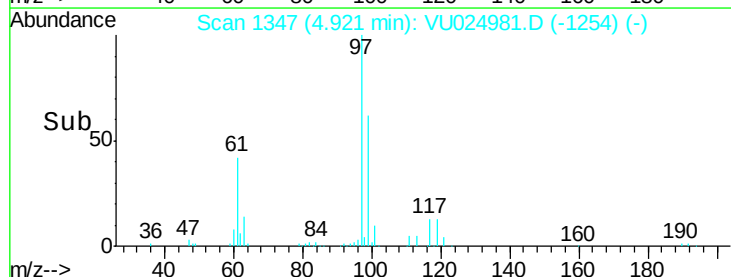
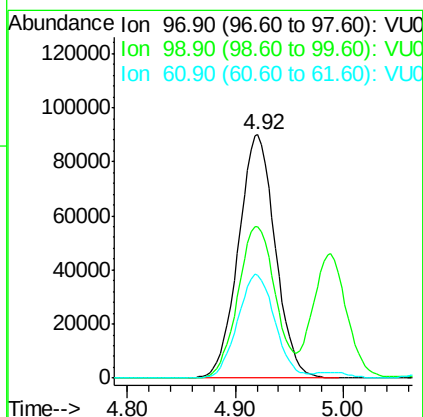
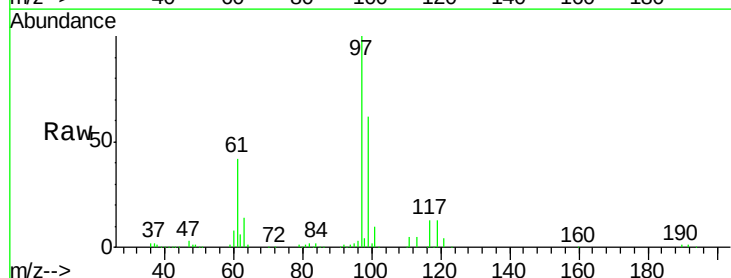
RT: 4.92 min Scan# 1347

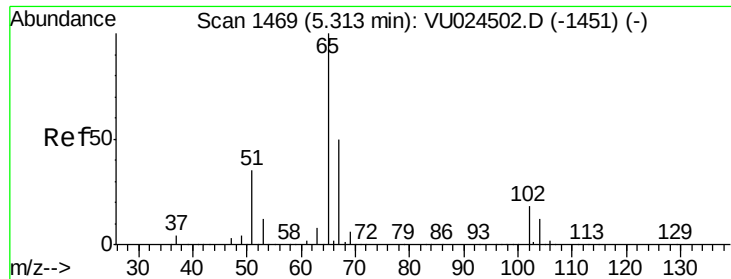
Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	43.5	39.4	59.0





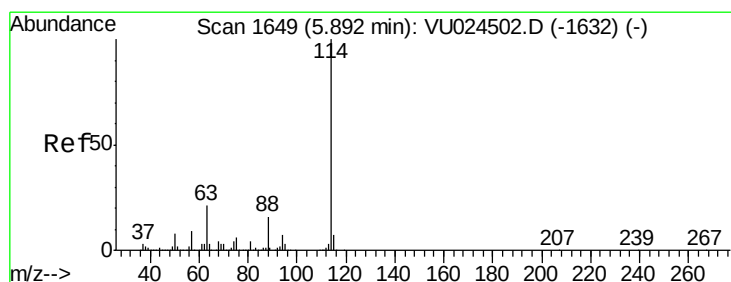
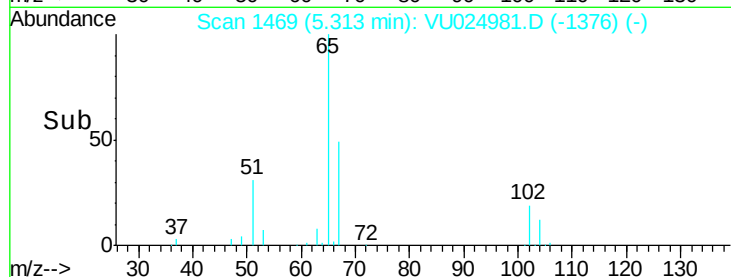
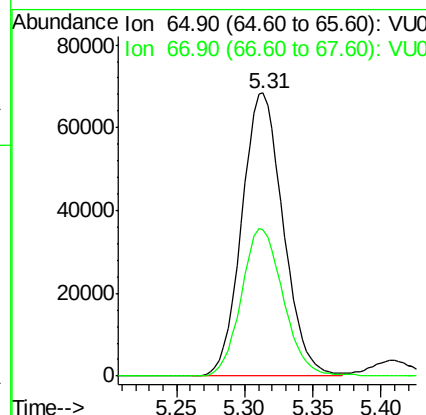
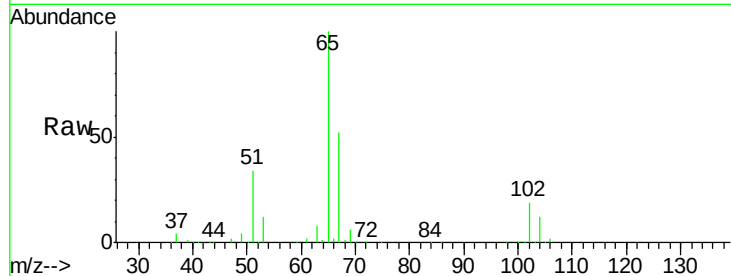
#33
 1,2-Dichloroethane-d4
 Concen: 48.88 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024981.D
 Acq: 27 Jun 2018 21:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	144162		
67	52.7	0.0	107.0	

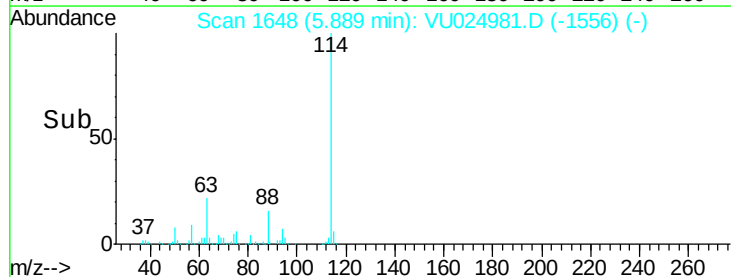
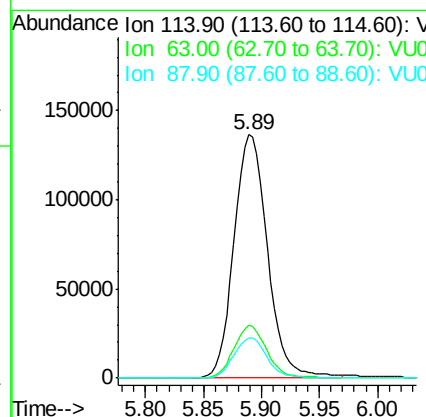
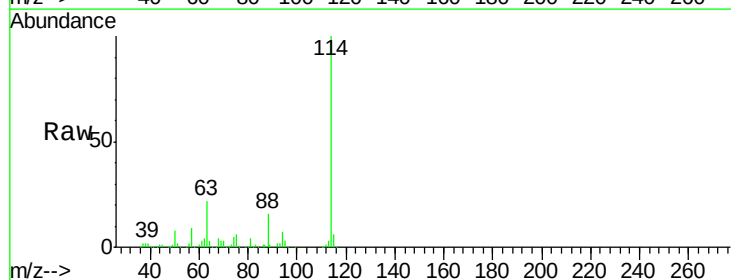
Manual Integrations
 APPROVED

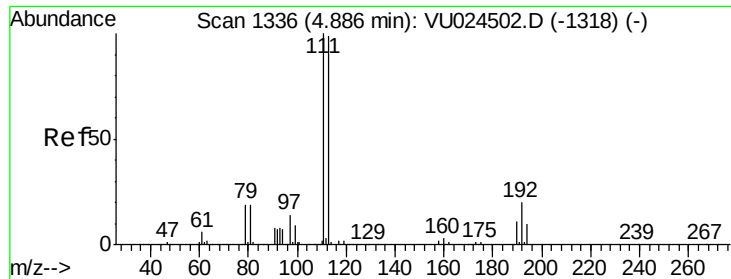
MMDadoda
 6/28/2018 4:37:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024981.D
 Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	274350		
63	21.7	0.0	45.4	
88	16.2	0.0	31.0	





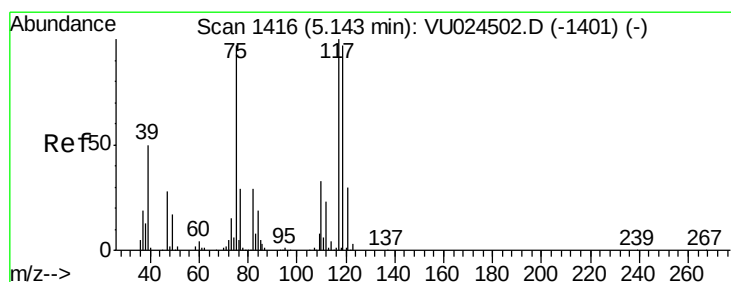
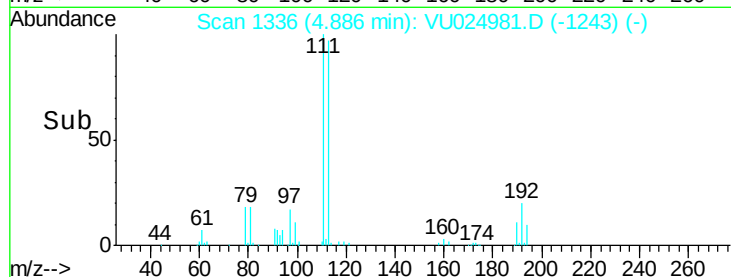
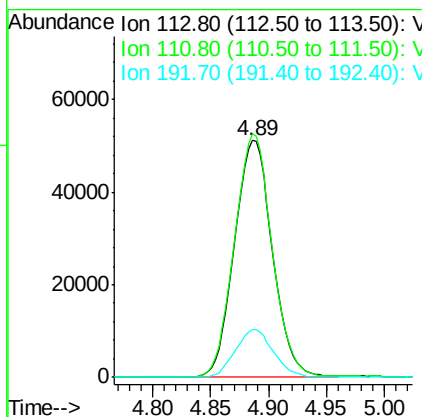
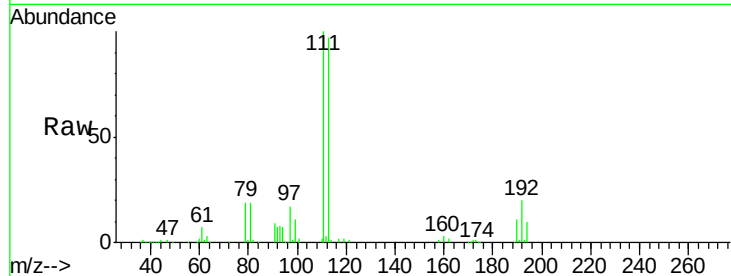
#35
 Dibromofluoromethane
 Concen: 51.19 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024981.D
 Acq: 27 Jun 2018 21:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	116559		
111	101.8	82.2	123.4	
192	20.3	16.2	24.4	

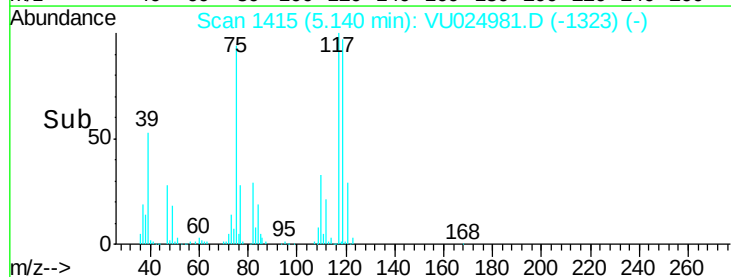
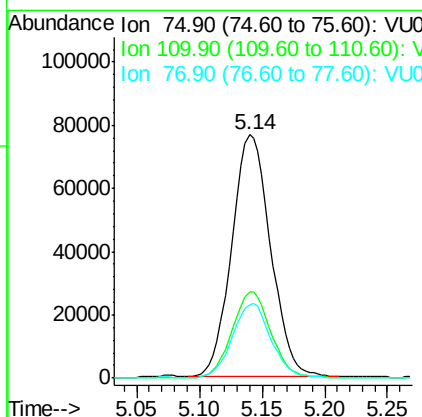
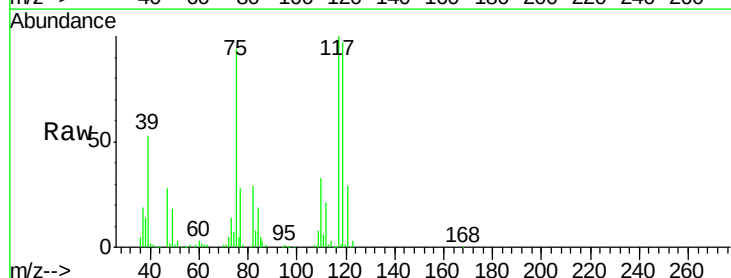
Manual Integrations
 APPROVED

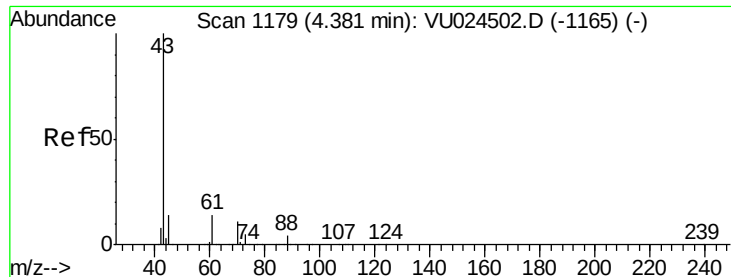
MMDadoda
 6/28/2018 4:37:04 PM



#36
 1,1-Dichloropropene
 Concen: 51.19 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024981.D
 Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	165020		
110	35.7	17.0	50.9	
77	30.4	24.2	36.4	





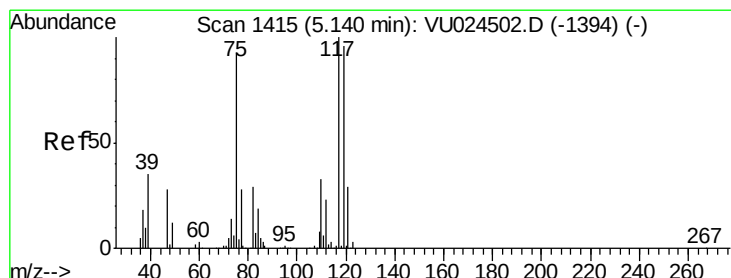
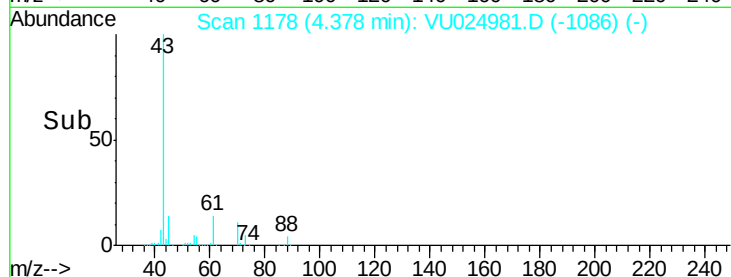
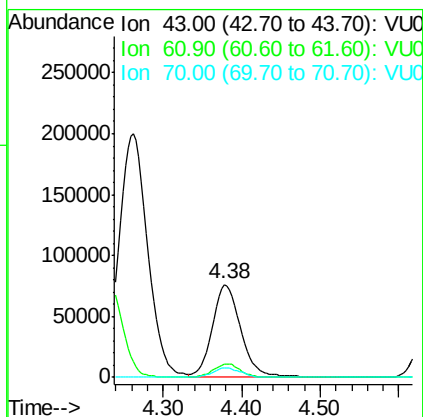
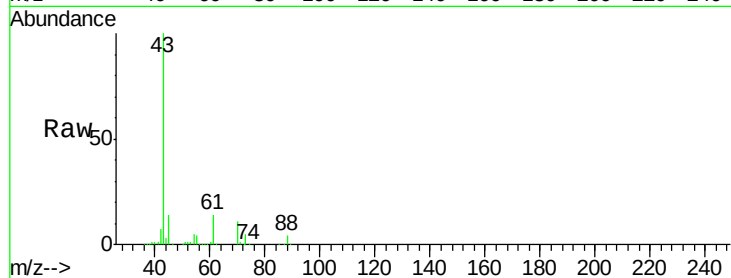
#37
Ethyl Acetate
Concen: 53.27 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	10.3	7.4	11.2

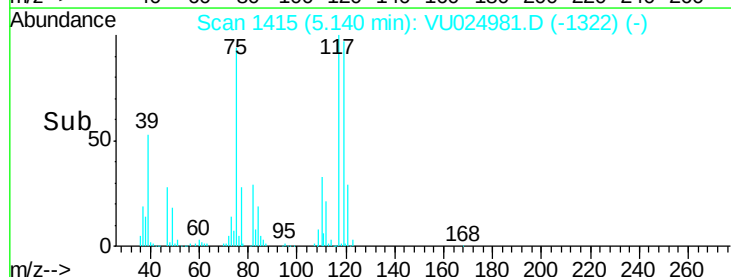
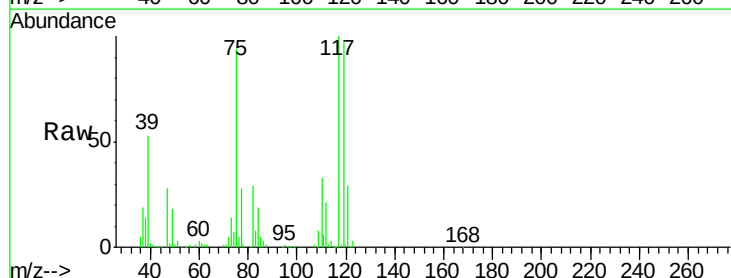
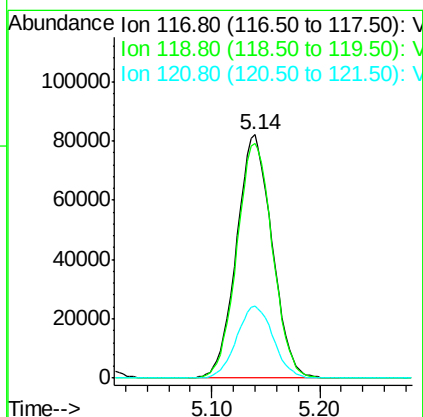
Manual Integrations
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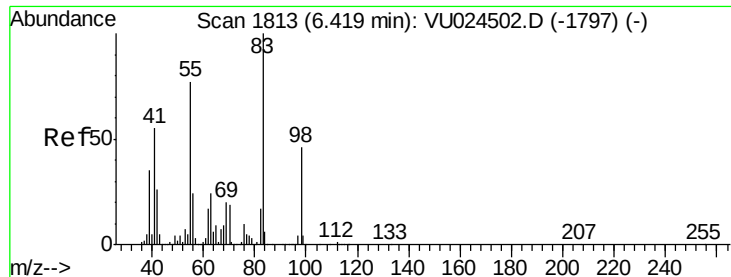
MMDadoda
6/28/2018 4:37:04 PM



#38
Carbon Tetrachloride
Concen: 53.14 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.1	114.1
121	29.5	23.7	35.5





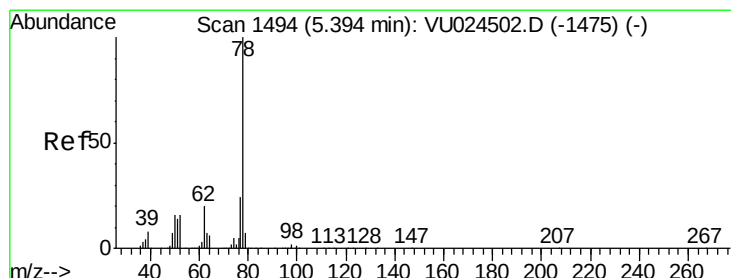
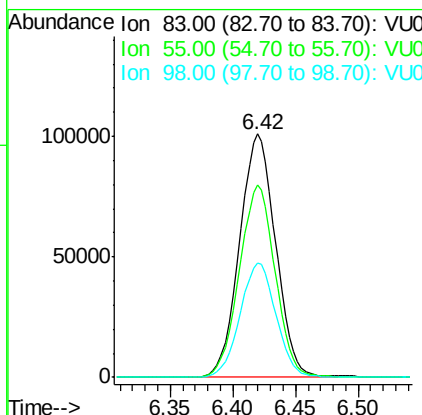
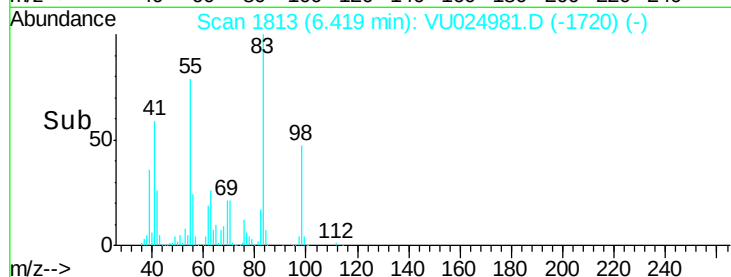
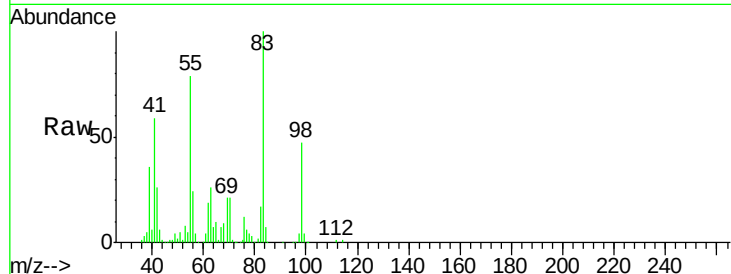
#39
Methylvlcyclohexane
Concen: 50.29 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	65.8	98.6
98	46.9	36.7	55.1

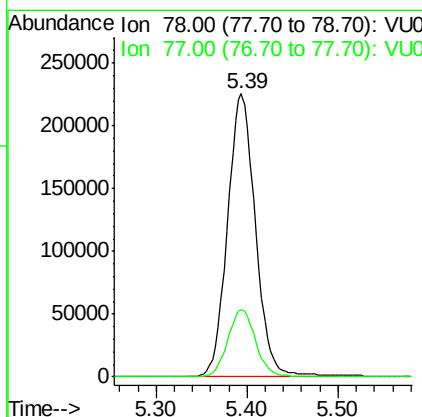
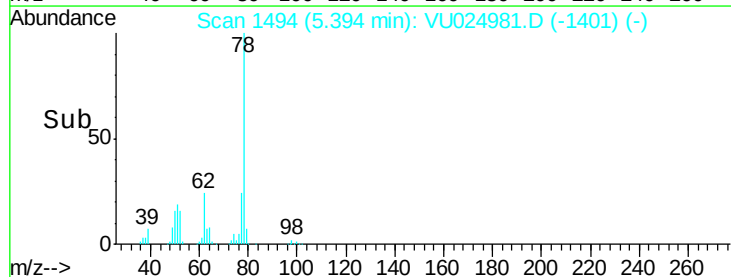
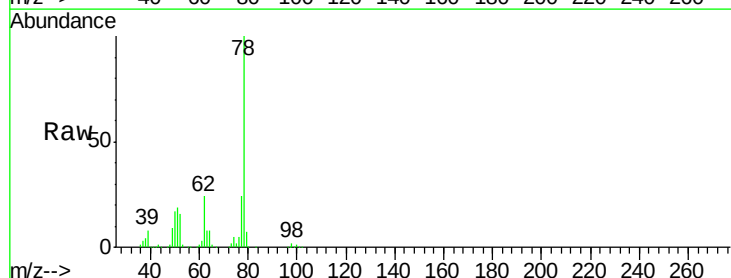
Manual Integrations
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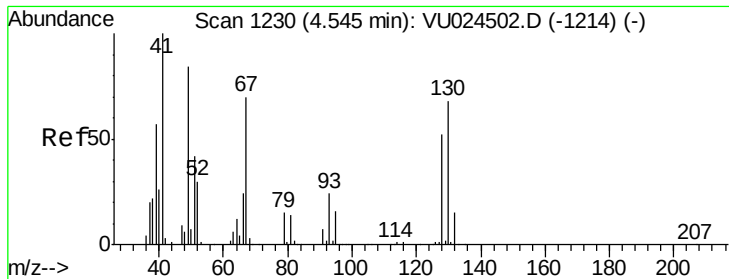
MMDadoda
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#40
Benzene
Concen: 52.39 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8





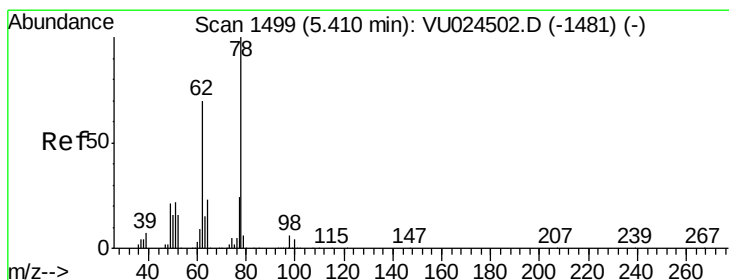
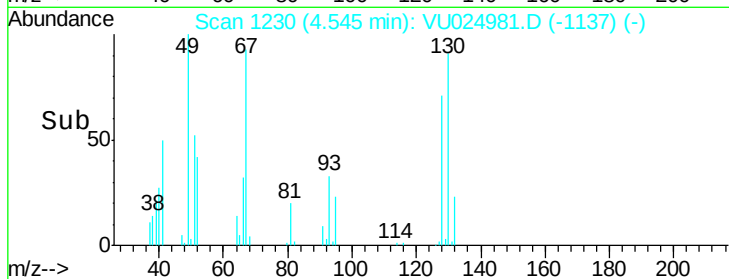
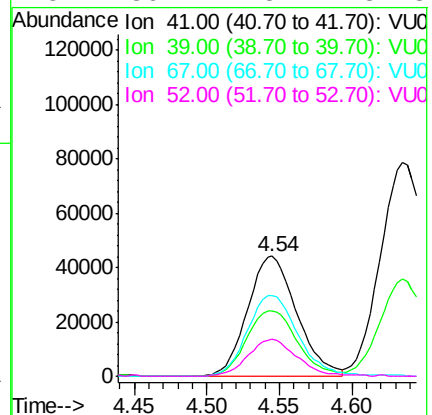
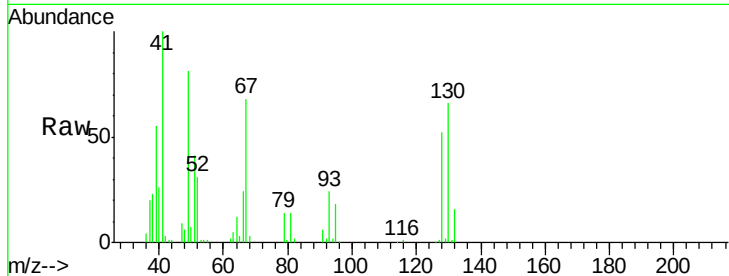
#41
Methacrylonitrile
Concen: 54.96 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.5	43.8	65.6	
67	69.3	56.3	84.5	
52	30.7	23.2	34.8	

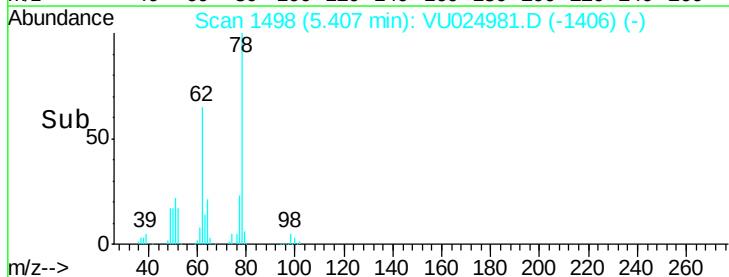
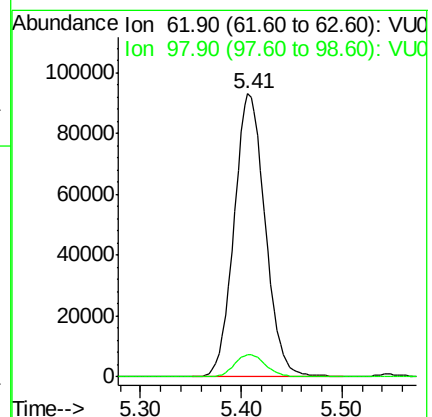
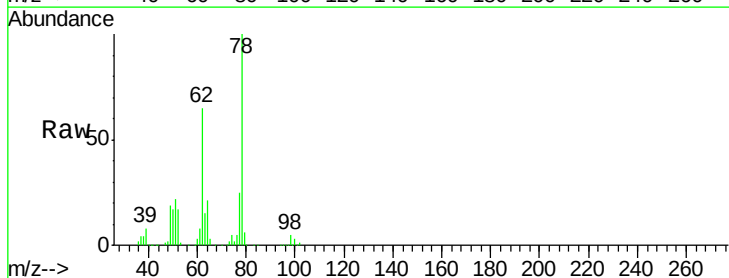
Manual Integrations
APPROVED

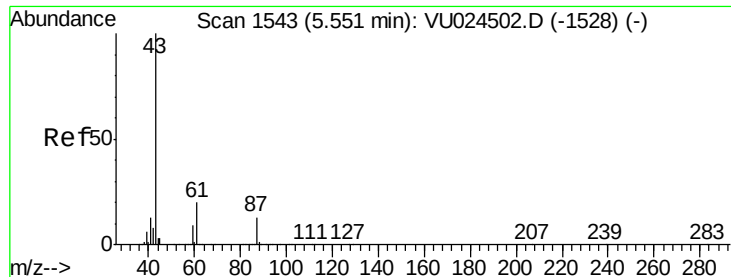
MMDadoda
6/28/2018 4:37:04 PM



#42
1,2-Dichloroethane
Concen: 57.01 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	16.6	





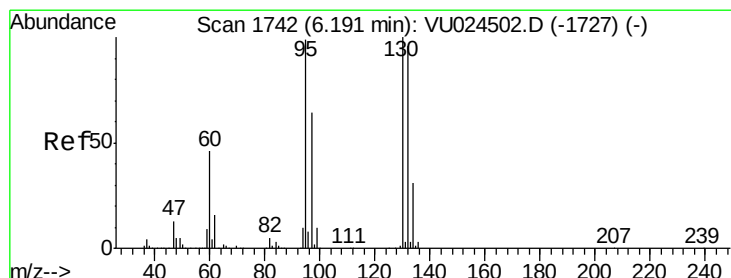
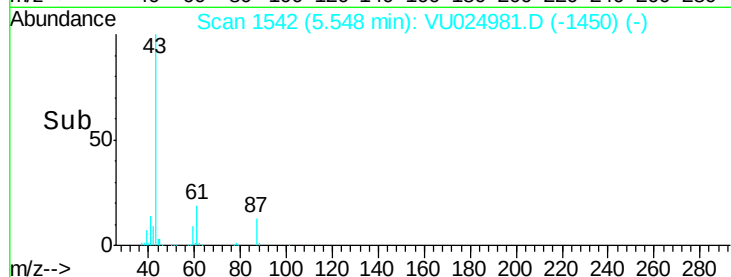
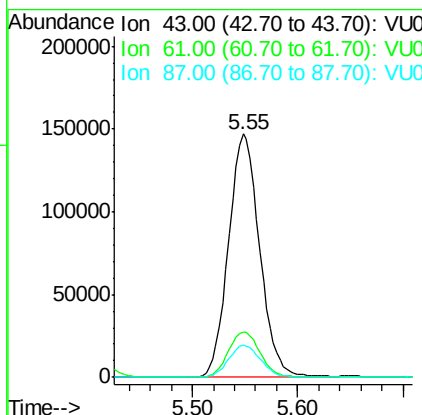
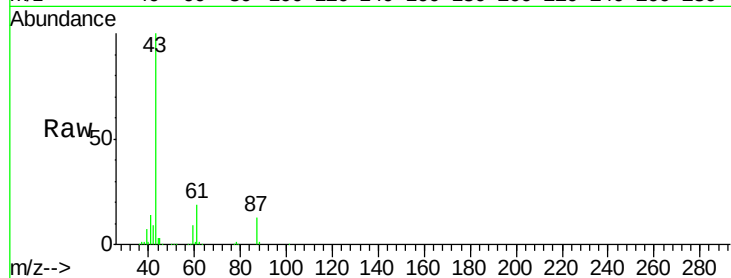
#43
Isopropyl Acetate
Concen: 49.31 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	13.6	10.0	15.0

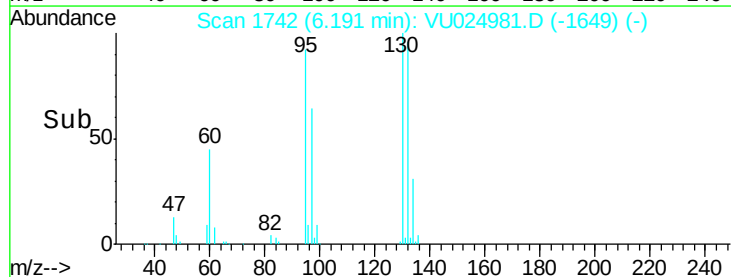
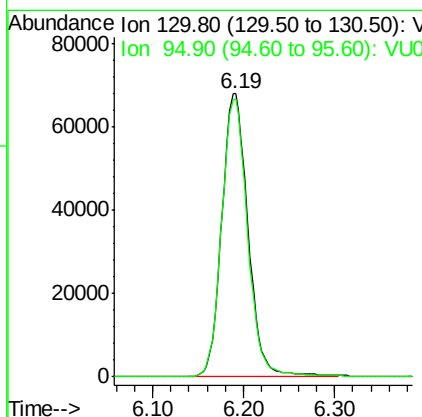
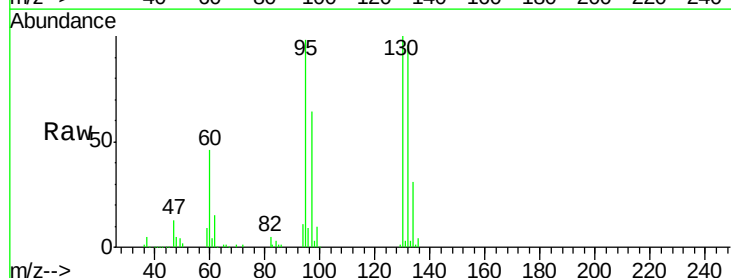
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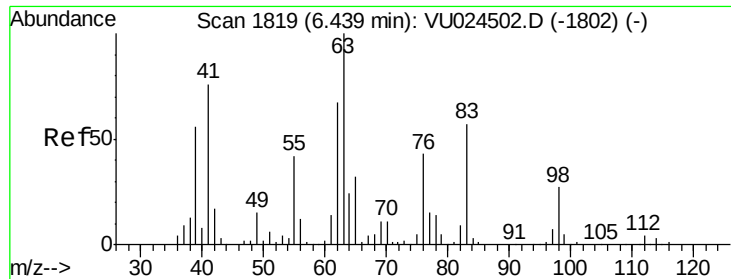
MMDadoda
6/28/2018 4:37:04 PM



#44
Trichloroethene
Concen: 52.02 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	202.4





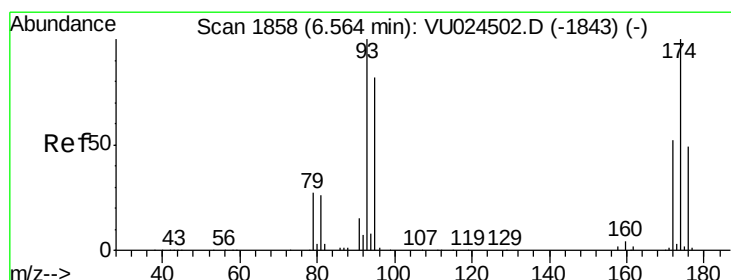
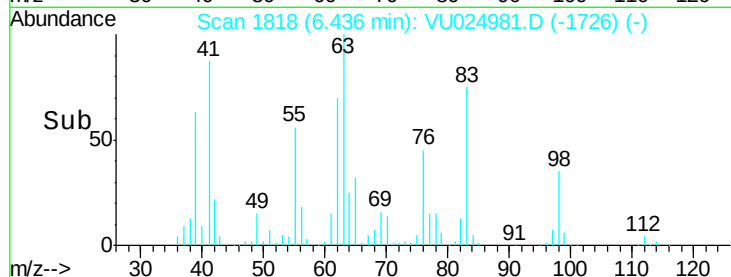
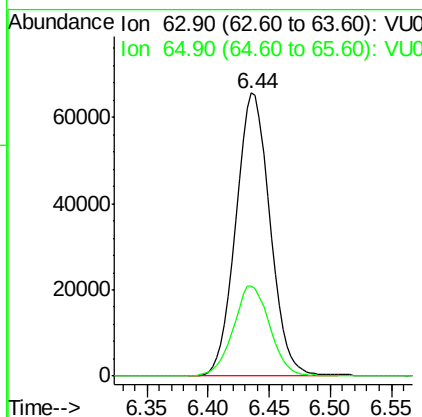
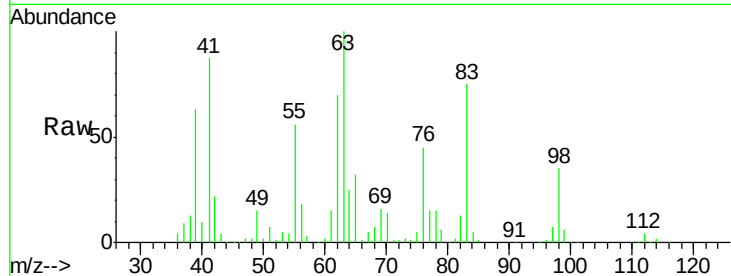
#45
 1,2-Dichloropropane
 Concen: 52.03 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024981.D
 Acq: 27 Jun 2018 21:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 127518
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.8 37.2

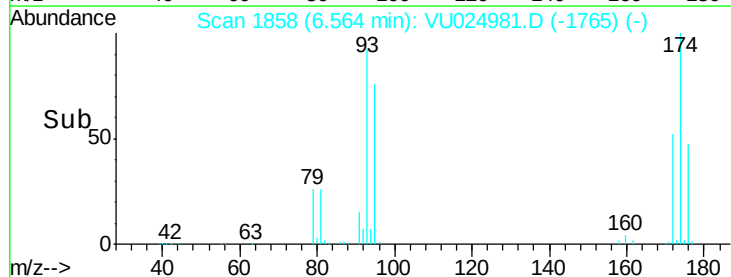
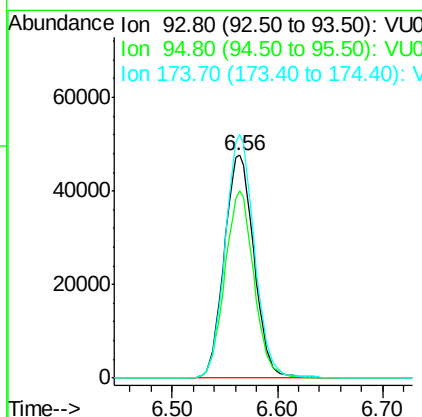
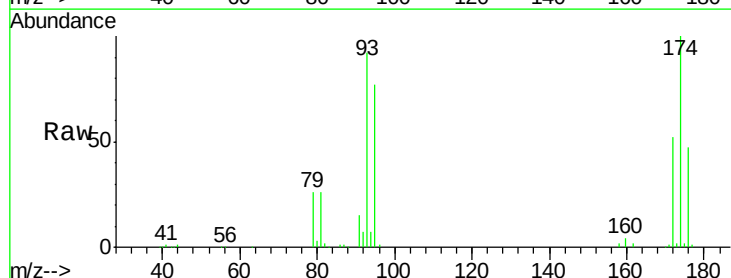
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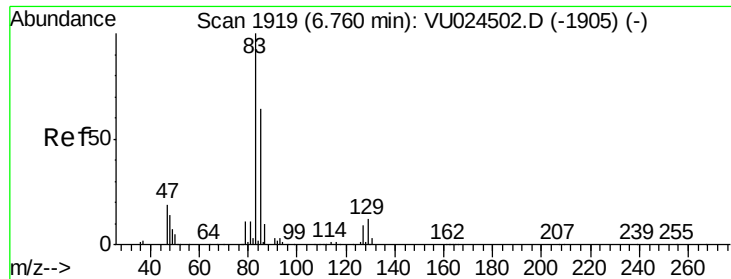
MMDadoda
 6/28/2018 4:37:04 PM



#46
 Dibromomethane
 Concen: 53.96 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU024981.D
 Acq: 27 Jun 2018 21:43

Tgt Ion: 93 Resp: 92899
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.5 98.3
 174 107.3 78.7 118.1





#47

Bromodichloromethane

Concen: 52.63 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Instrument :

MSVOA_U

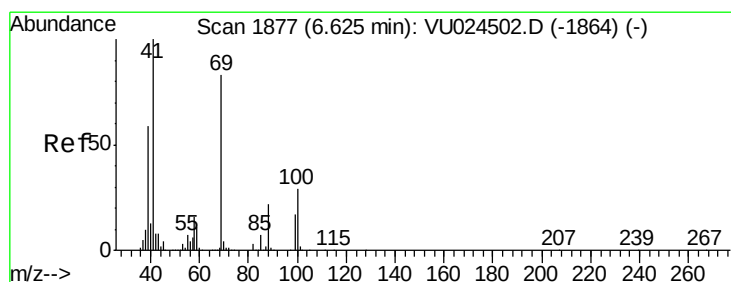
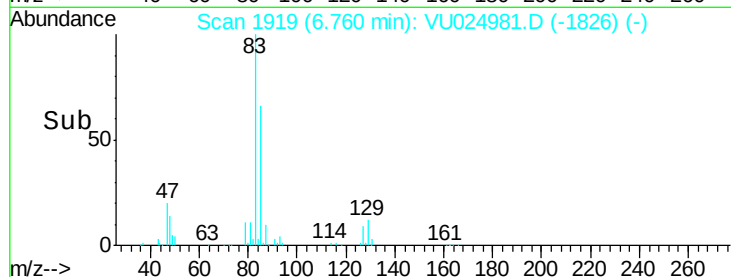
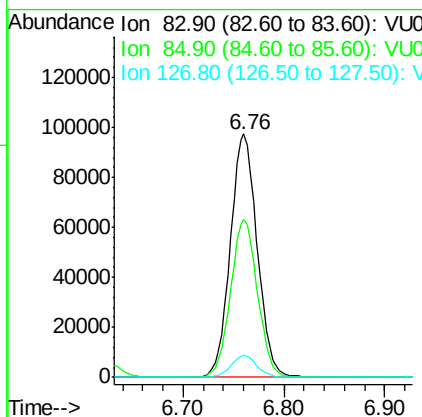
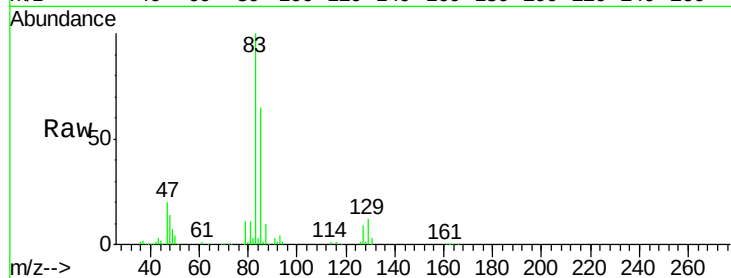
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	180446
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.9	77.9
127	9.0	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.01 ug/l

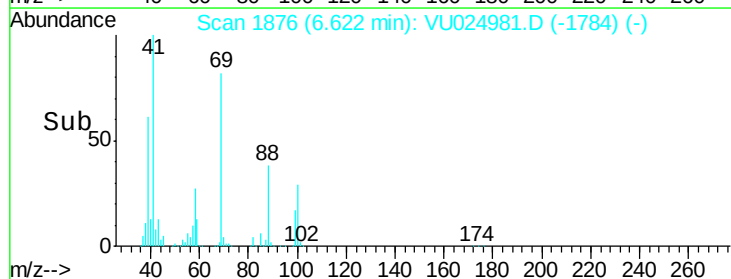
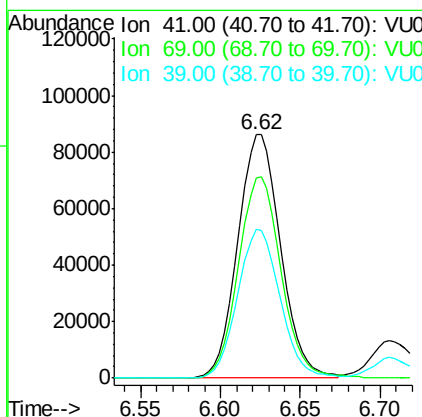
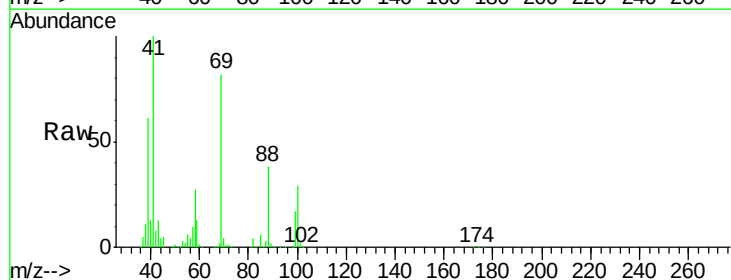
RT: 6.62 min Scan# 1876

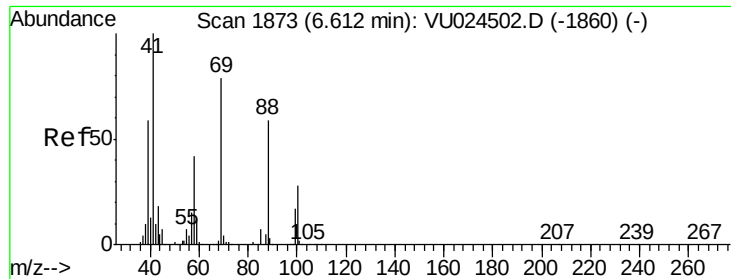
Delta R.T. -0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Tgt Ion:	41	Resp:	156781
Ion	Ratio	Lower	Upper
41	100		
69	83.0	67.3	100.9
39	60.6	46.5	69.7





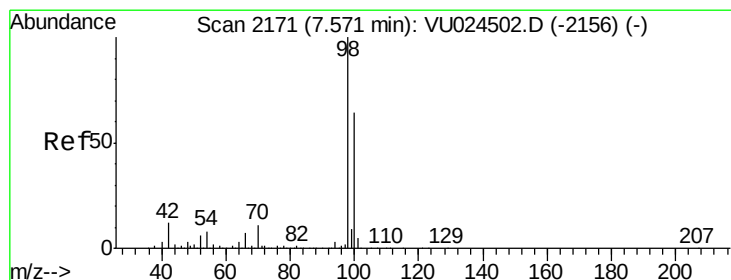
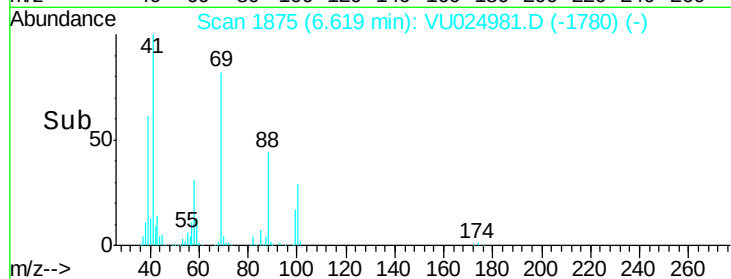
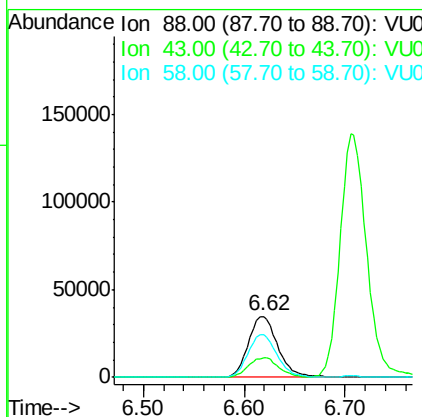
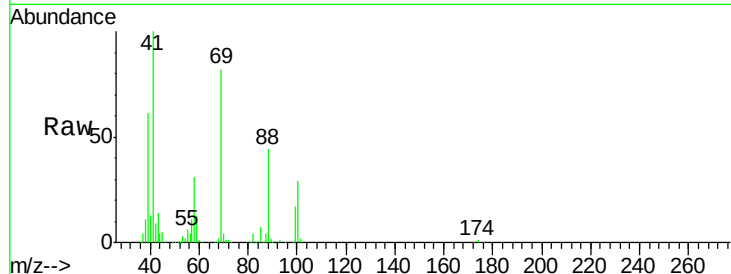
#49
1,4-Dioxane
Concen: 1219.48 ug/l
RT: 6.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	28.6	42.8
58	69.0	58.2	87.4

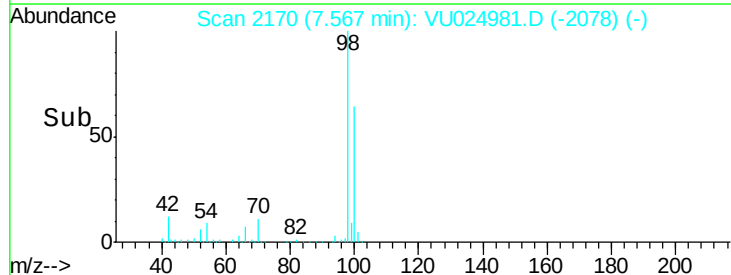
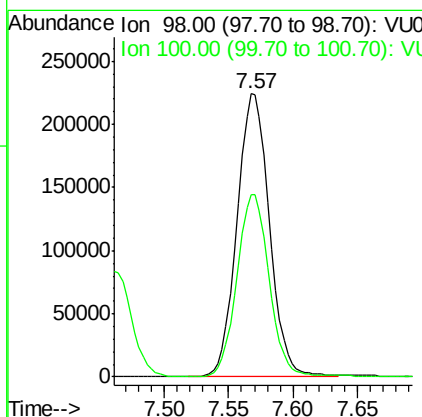
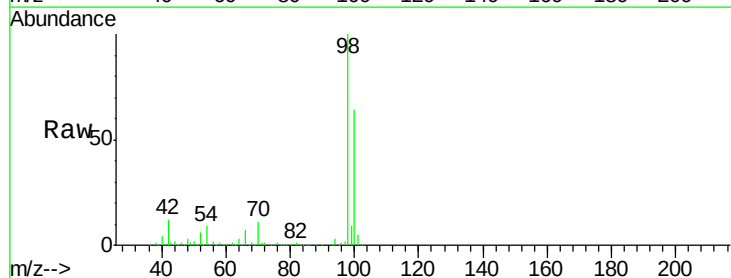
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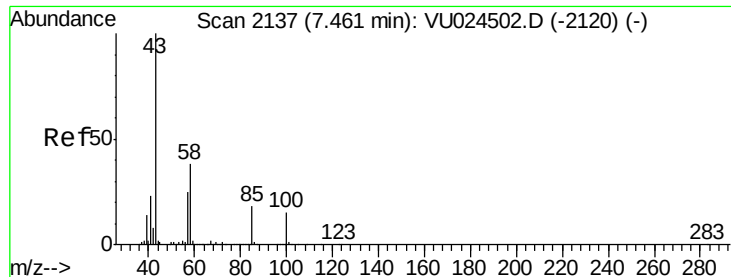
MMDadoda
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#50
Toluene-d8
Concen: 47.34 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 254.74 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 972035

Ion Ratio Lower Upper

43 100

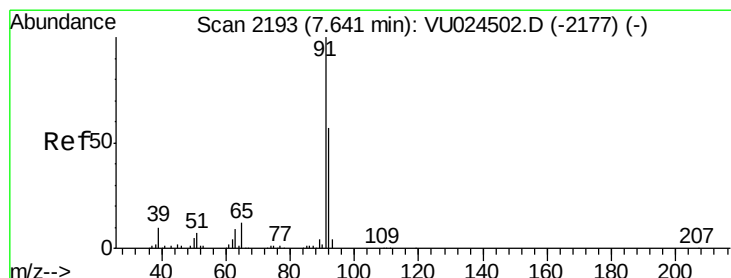
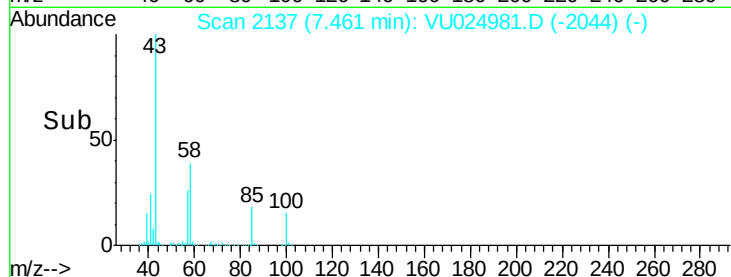
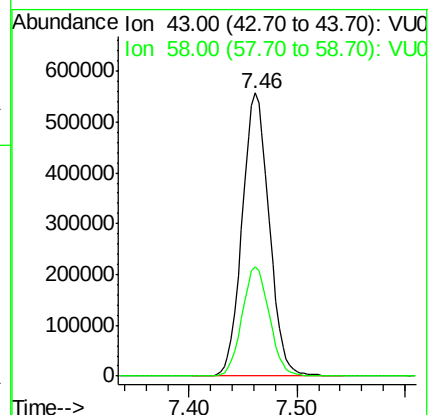
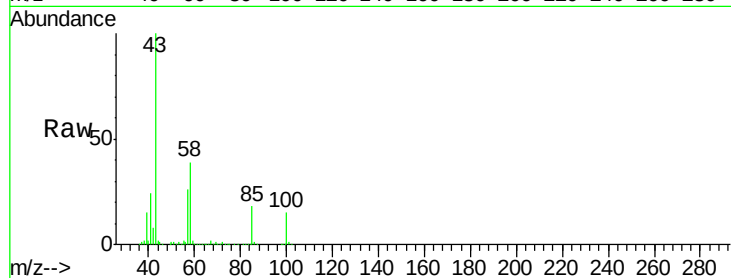
58 39.0 30.0 45.0

Manual Integrations

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#52

Toluene

Concen: 52.84 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024981.D

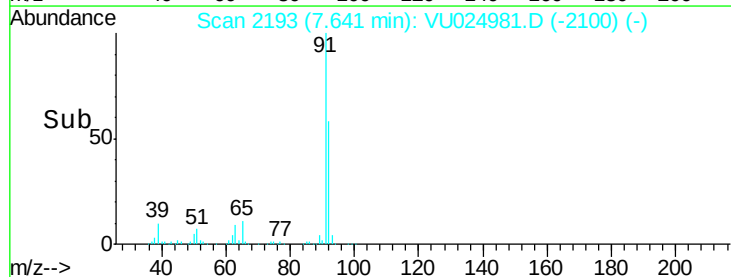
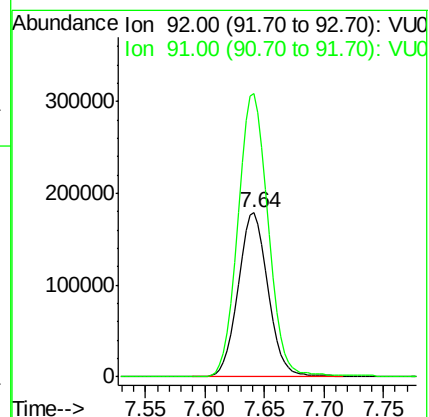
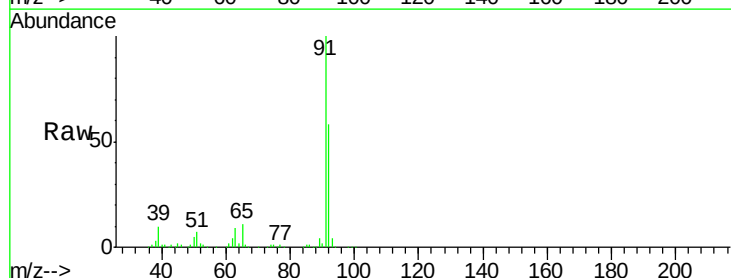
Acq: 27 Jun 2018 21:43

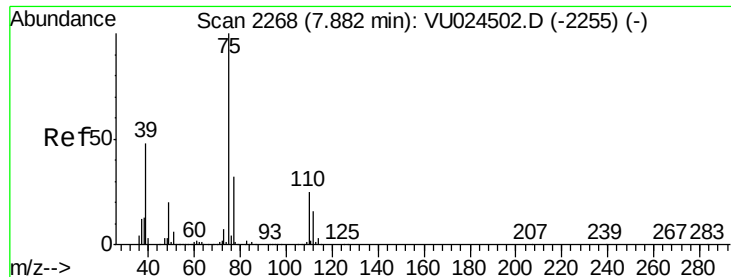
Tgt Ion: 92 Resp: 312258

Ion Ratio Lower Upper

92 100

91 175.3 140.5 210.7





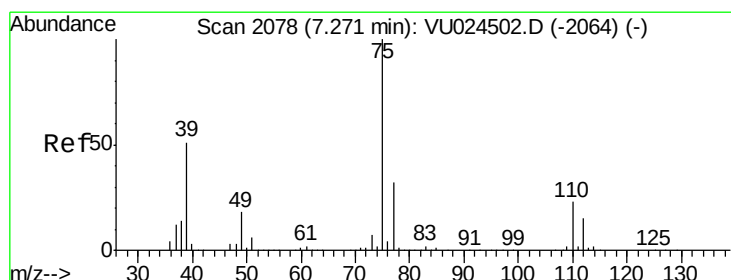
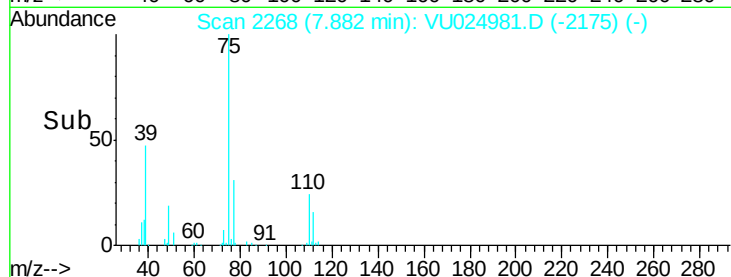
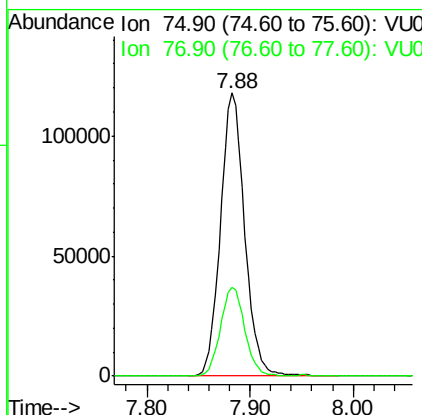
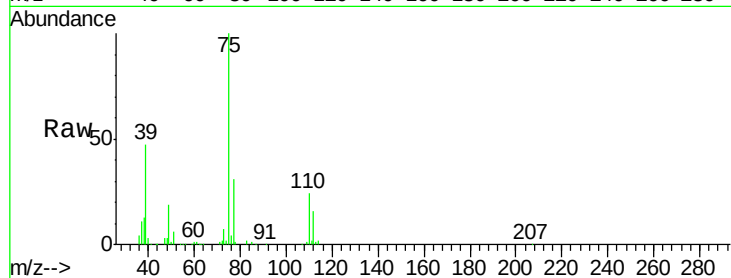
#53
t-1,3-Dichloropropene
Concen: 49.94 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2

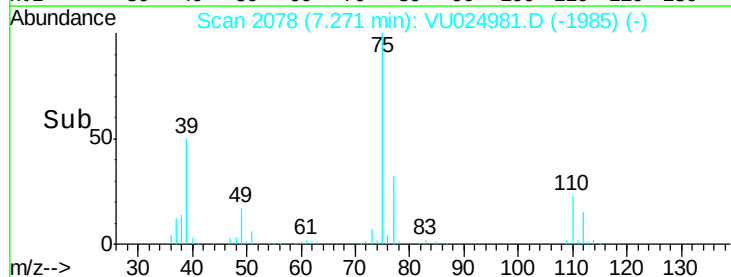
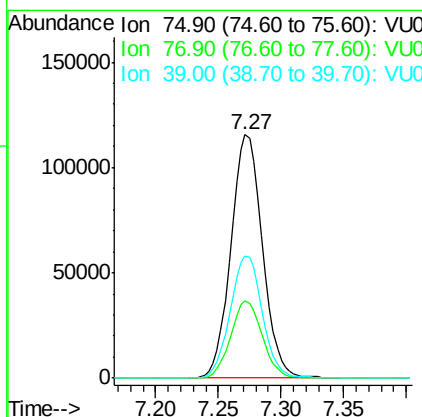
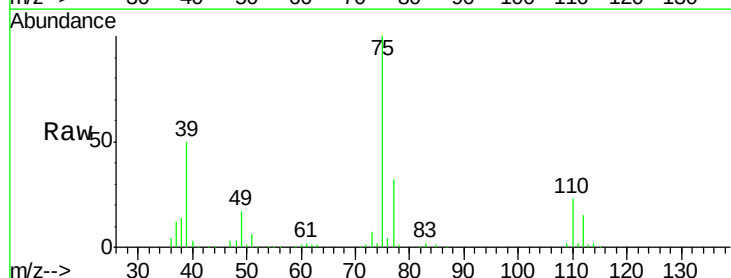
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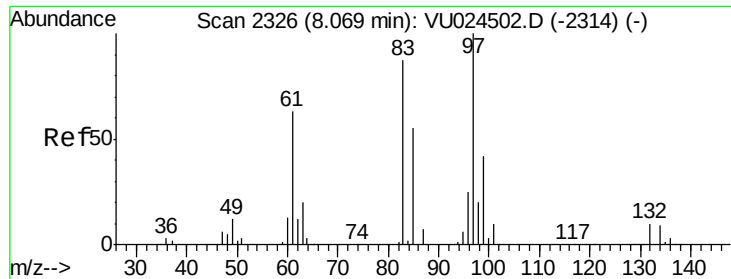
MMDadoda
6/28/2018 4:37:04 PM



#54
cis-1,3-Dichloropropene
Concen: 49.27 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.6	36.8
39	50.1	39.8	59.6





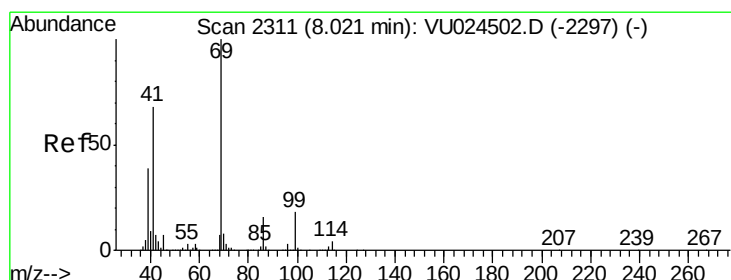
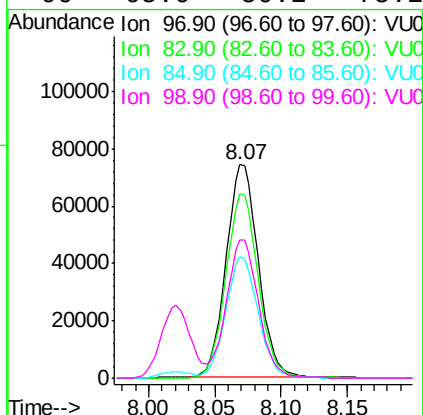
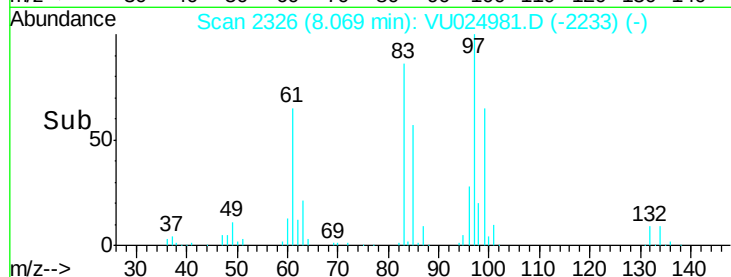
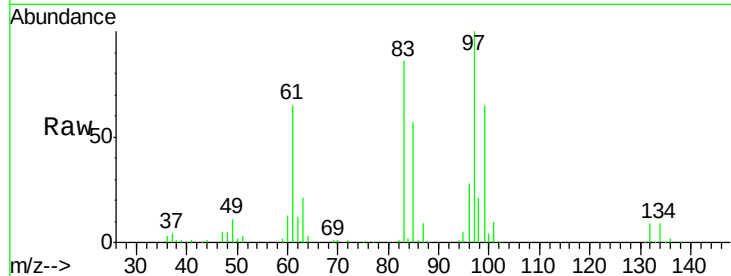
#55
 1,1,2-Trichloroethane
 Concen: 52.19 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024981.D
 Acq: 27 Jun 2018 21:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		125385		
83	86.2	70.5	105.7		
85	56.8	46.4	69.6		
99	65.0	50.2	75.2		

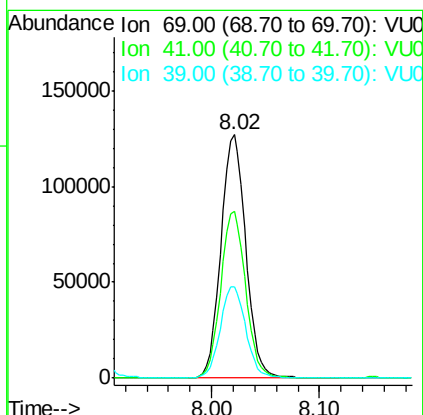
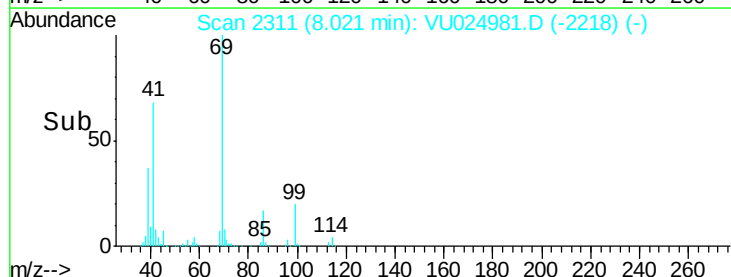
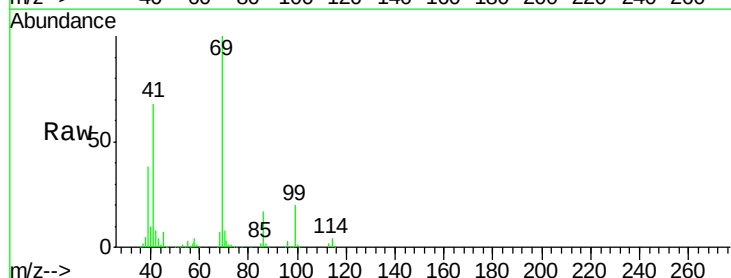
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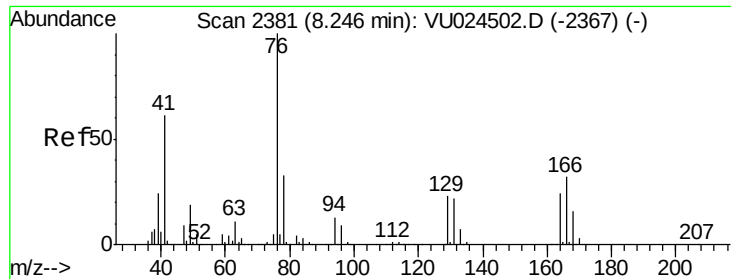
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#56
 Ethyl methacrylate
 Concen: 50.78 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024981.D
 Acq: 27 Jun 2018 21:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		204187		
41	68.8	54.1	81.1		
39	37.9	30.3	45.5		





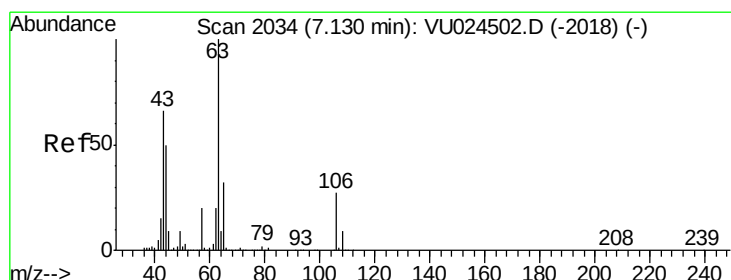
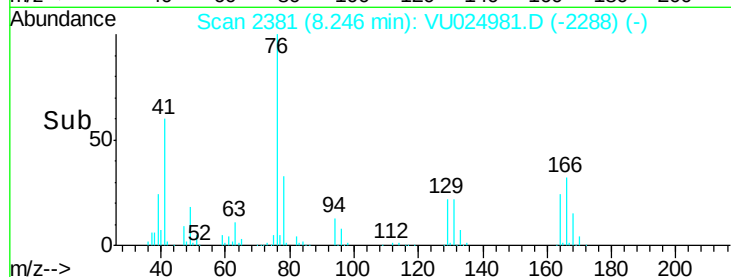
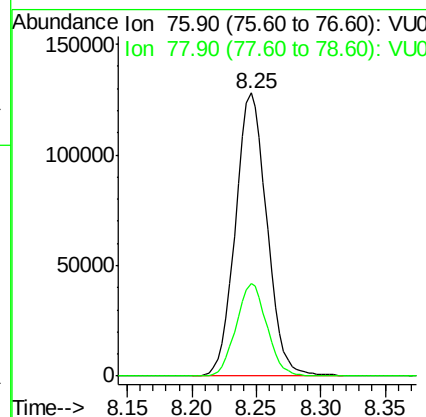
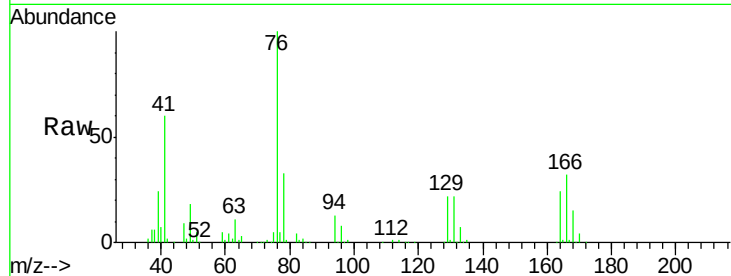
#57
 1,3-Dichloropropane
 Concen: 53.58 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024981.D
 Acq: 27 Jun 2018 21:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 217130
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.2 37.8

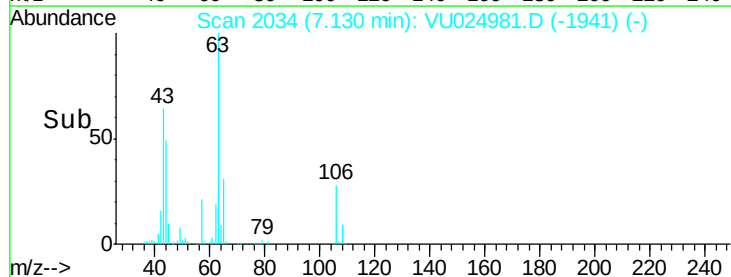
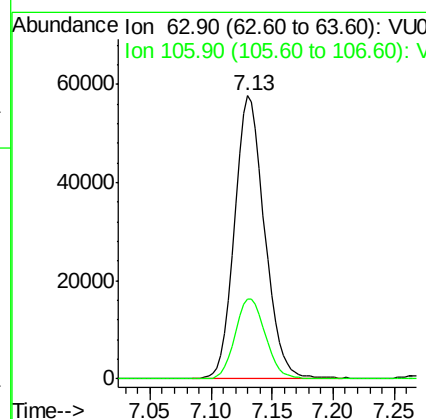
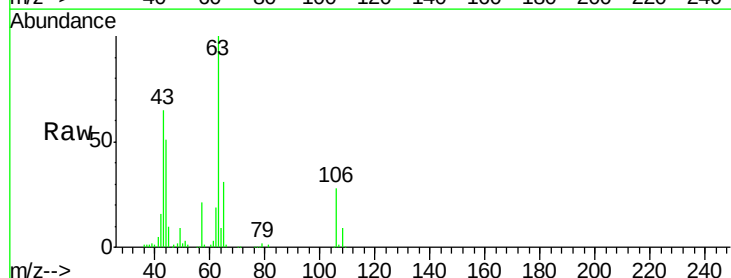
Manual Integrations
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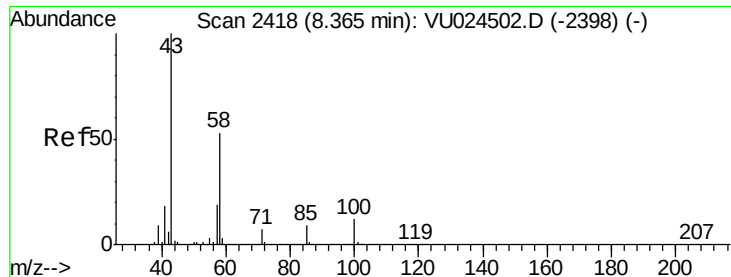
MMDadoda
 6/28/2018 4:37:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 64.27 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024981.D
 Acq: 27 Jun 2018 21:43

Tgt Ion: 63 Resp: 99001
 Ion Ratio Lower Upper
 63 100
 106 28.4 20.2 30.2





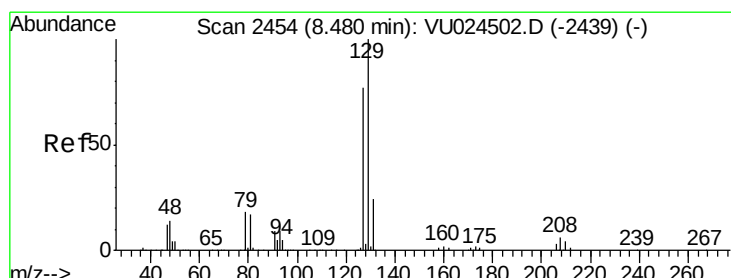
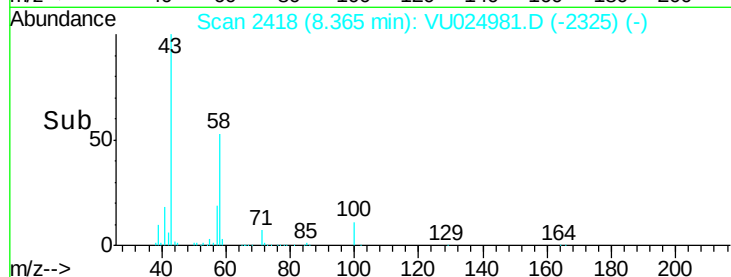
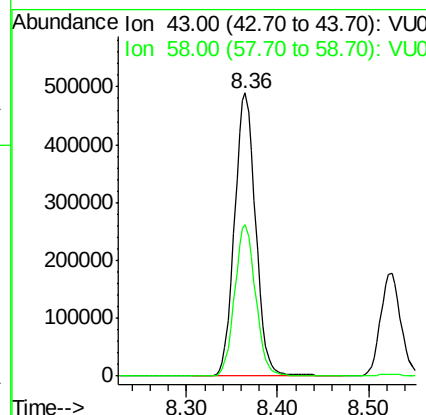
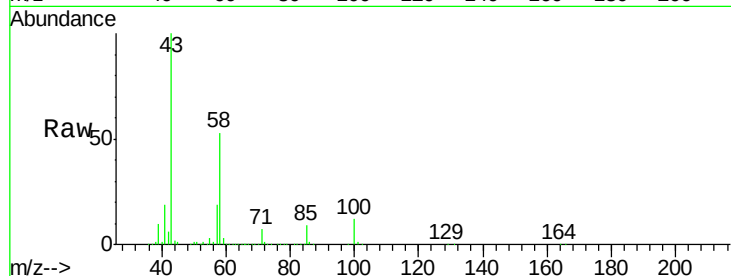
#59
2-Hexanone
Concen: 253.39 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.4	79.0

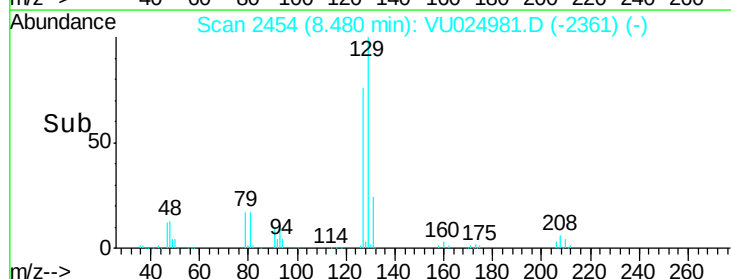
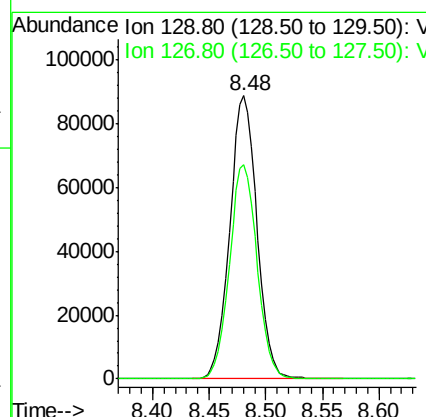
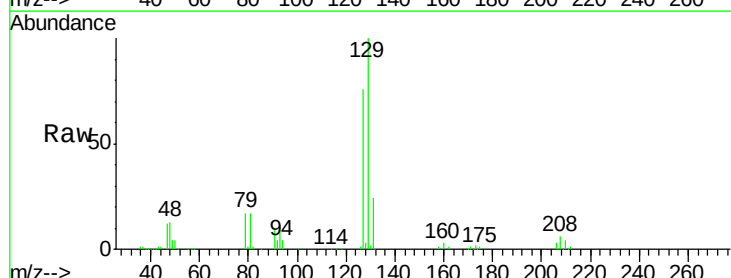
Manual Integrations
APPROVED

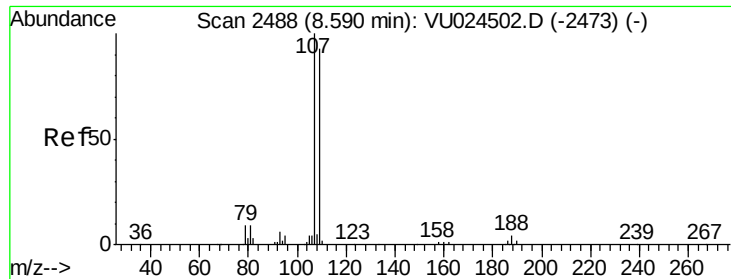
MMDadoda
6/28/2018 4:37:04 PM



#60
Dibromochloromethane
Concen: 49.50 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.6	116.0





#61

1,2-Dibromoethane

Concen: 52.33 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 139938

Ion Ratio Lower Upper

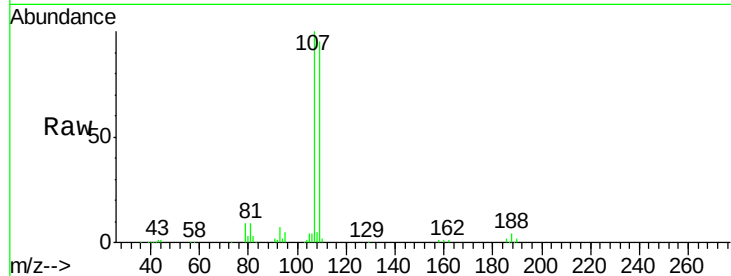
107 100

109 95.4 74.5 111.7

Manual Integrations
APPROVED

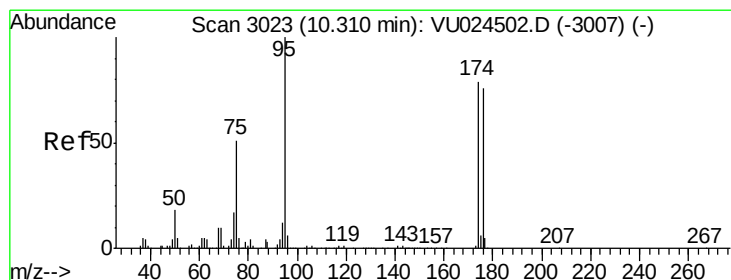
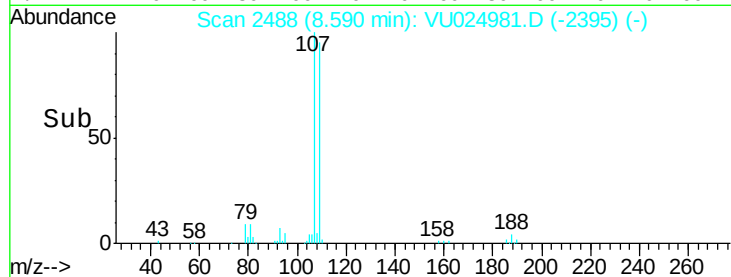
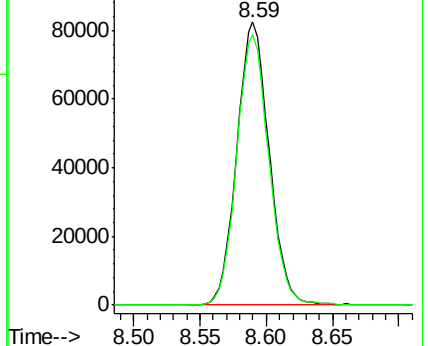
MMDadoda

6/28/2018 4:37:04 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.83 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

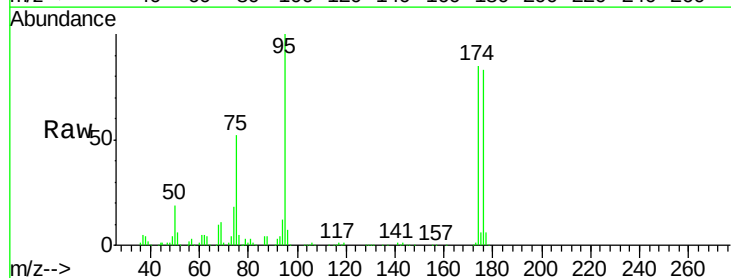
Tgt Ion: 95 Resp: 167625

Ion Ratio Lower Upper

95 100

174 84.0 0.0 165.8

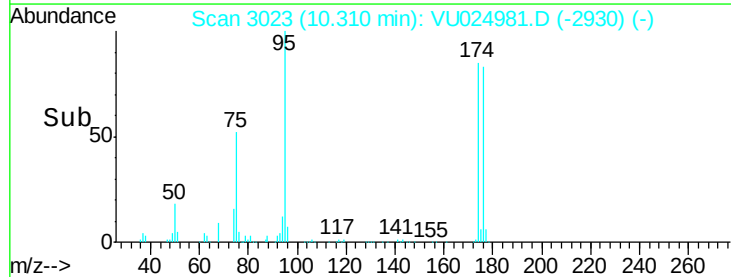
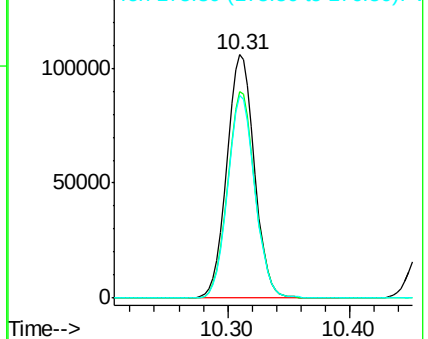
176 82.1 0.0 159.4

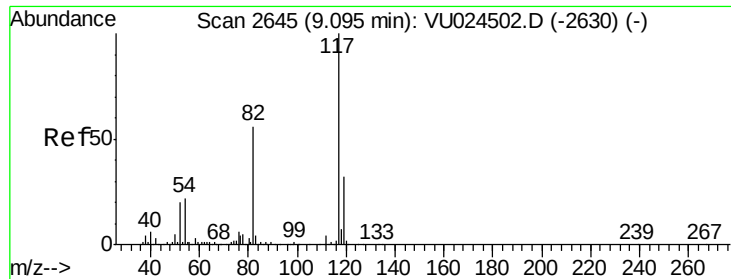


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





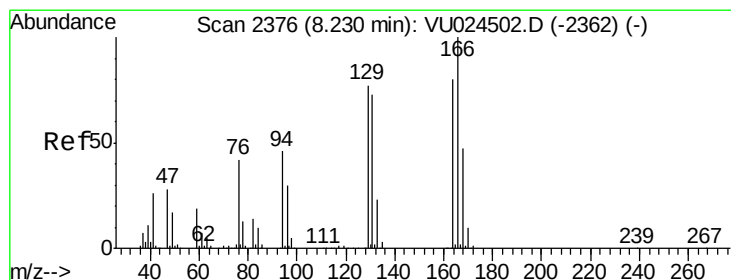
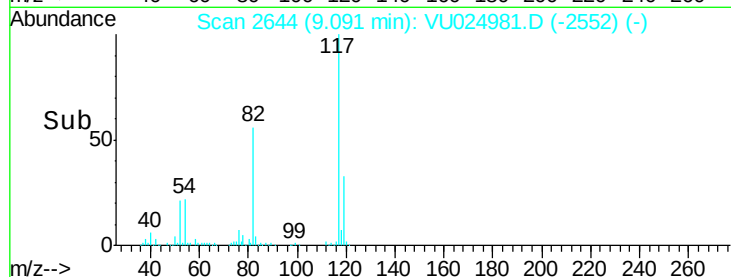
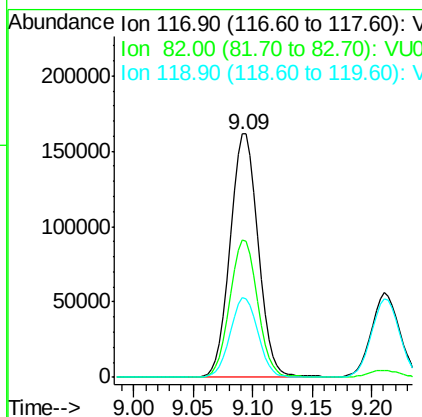
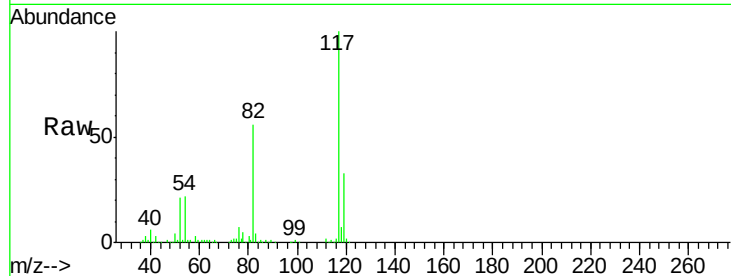
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	265310		
82	56.5		44.3	66.5
119	32.6		25.4	38.2

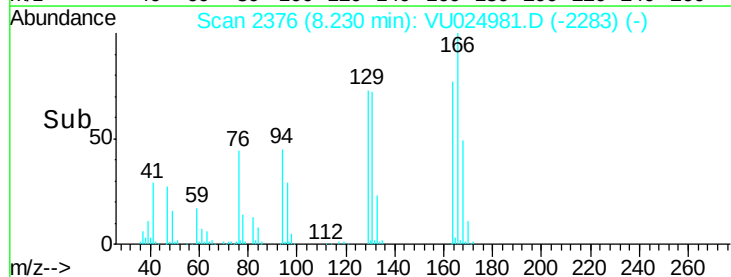
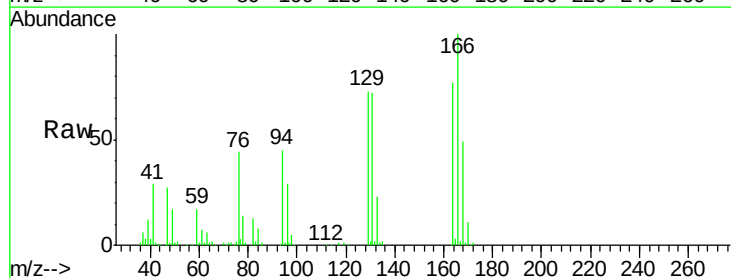
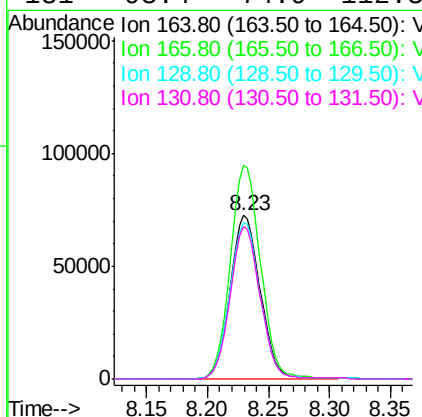
Manual Integrations
APPROVED

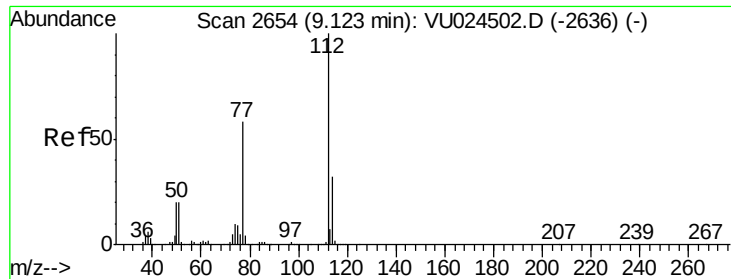
MMDadoda
6/28/2018 4:37:04 PM



#64
Tetrachloroethene
Concen: 49.78 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	125551		
166	130.6		101.7	152.5
129	95.3		76.9	115.3
131	93.4		74.9	112.3





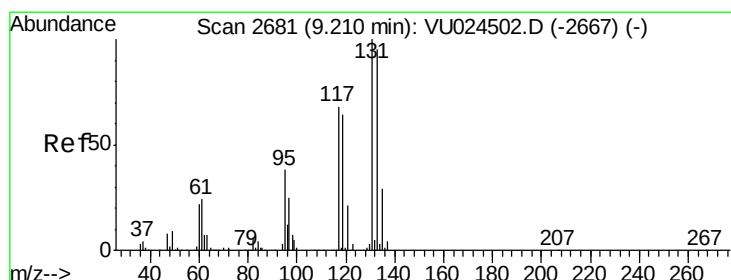
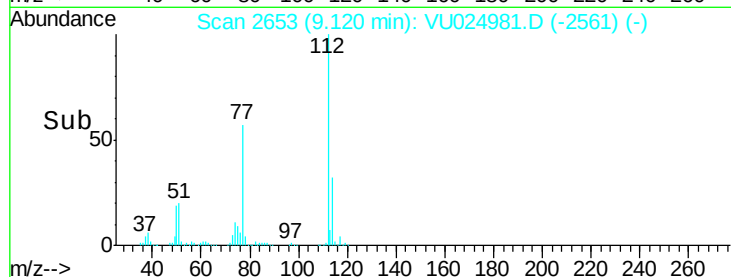
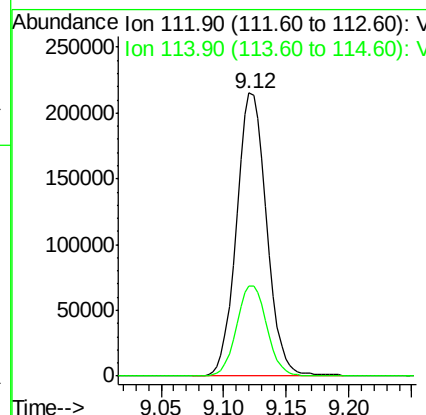
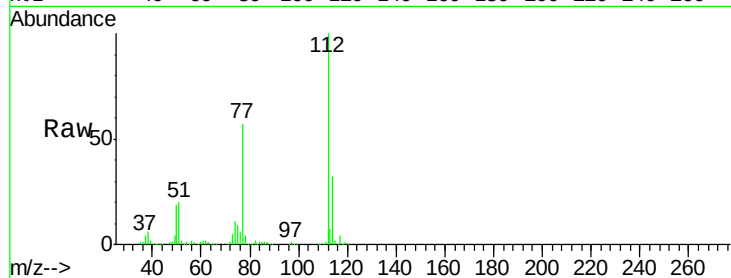
#65
Chlorobenzene
Concen: 52.91 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.6	38.4

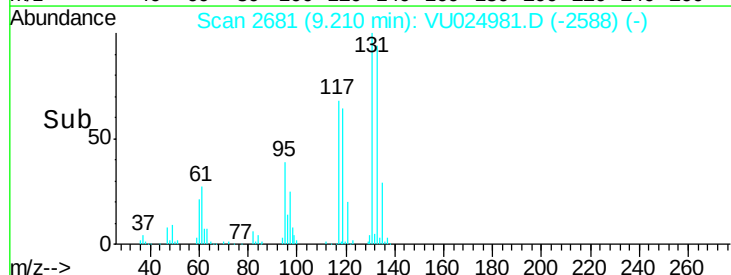
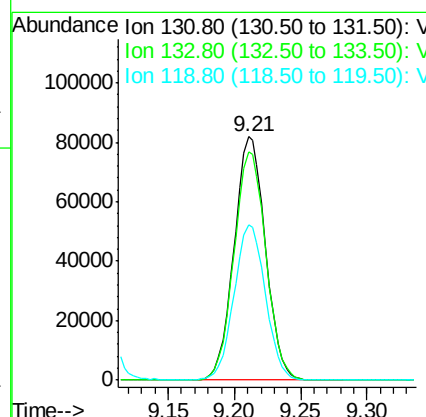
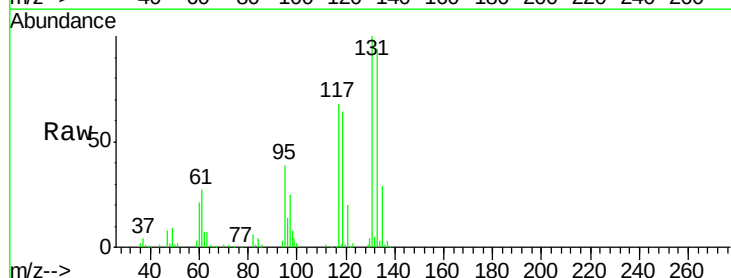
Manual Integrations
APPROVED

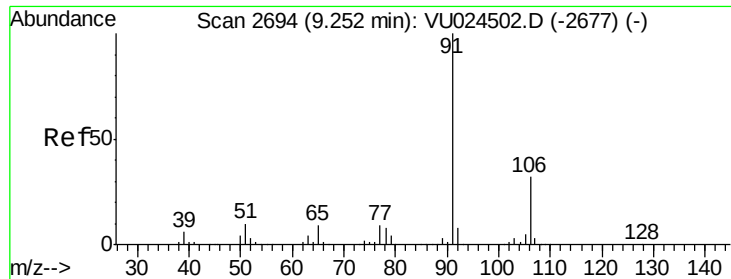
MMDadoda
6/28/2018 4:37:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.06 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	46.9	140.8
119	64.2	33.5	100.4





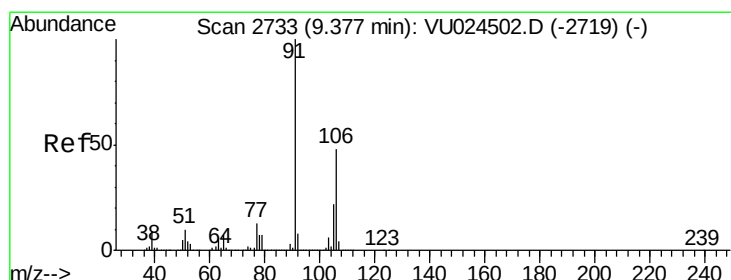
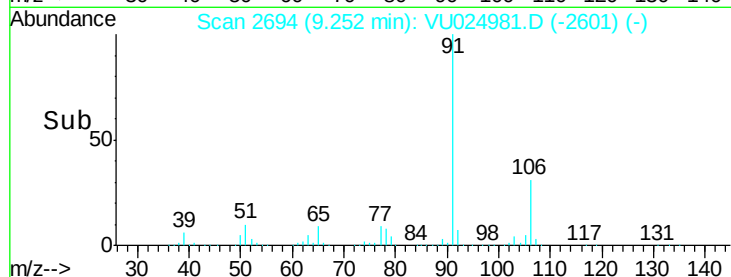
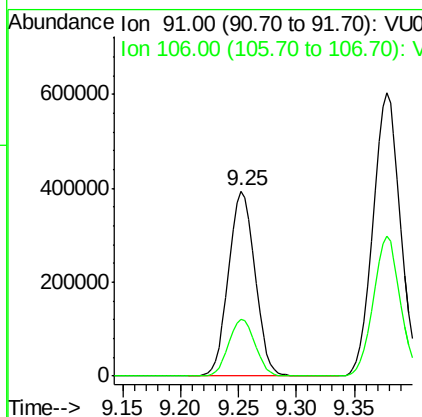
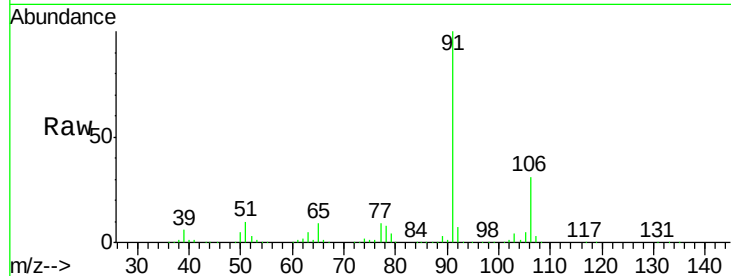
#67
Ethyl Benzene
Concen: 52.41 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 622744
Ion Ratio Lower Upper
91 100
106 31.1 24.2 36.4

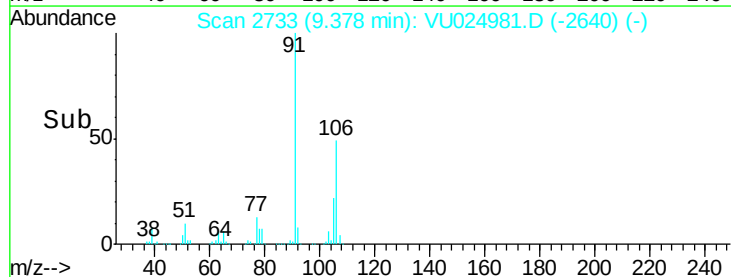
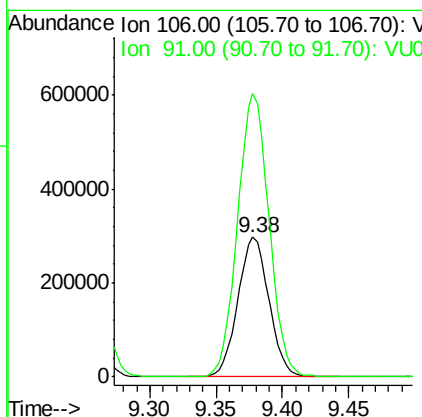
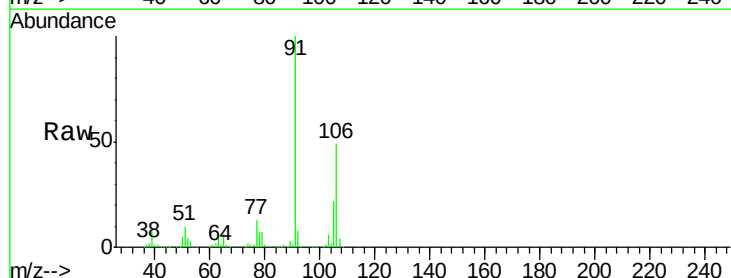
Manual Integrations
APPROVED

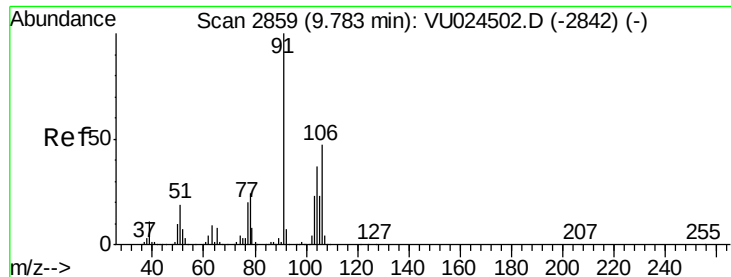
MMDadoda
6/28/2018 4:37:04 PM



#68
m/p-Xylenes
Concen: 106.10 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Tgt Ion: 106 Resp: 484096
Ion Ratio Lower Upper
106 100
91 205.5 166.5 249.7





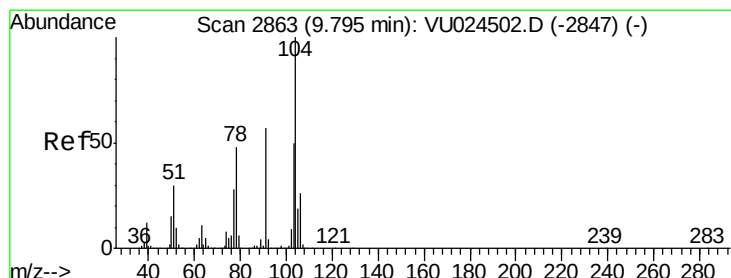
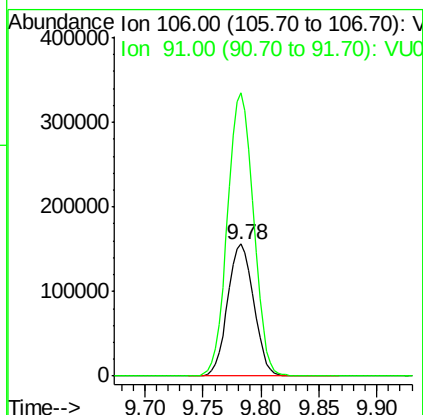
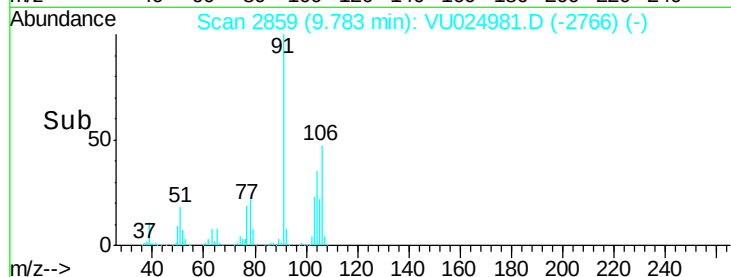
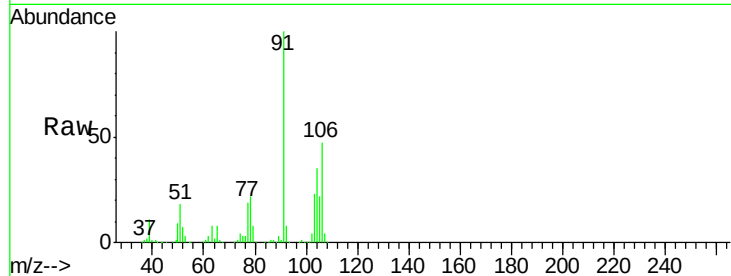
#69
o-Xylene
Concen: 53.92 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.4	110.7	331.9

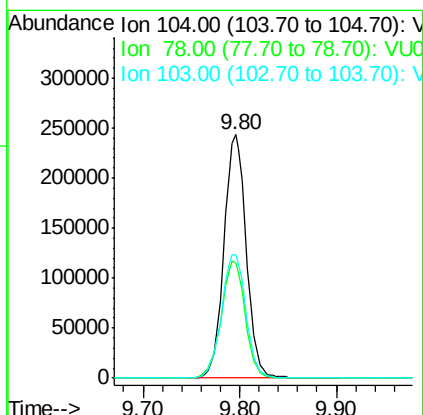
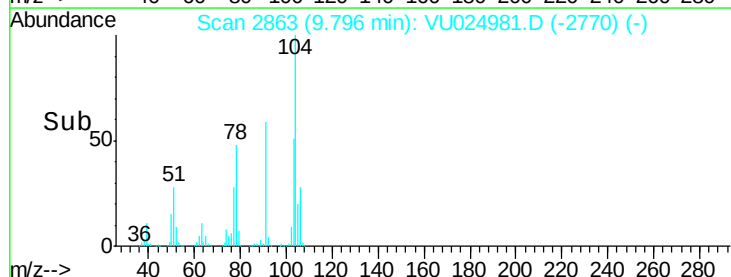
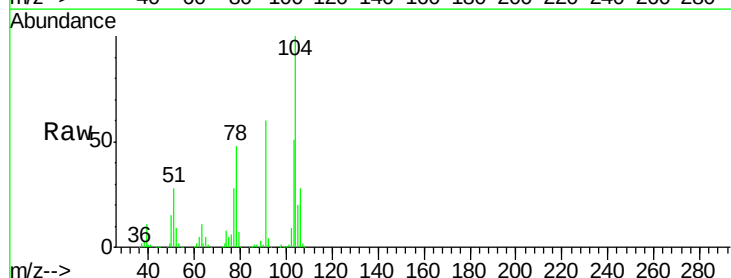
Manual Integrations
APPROVED

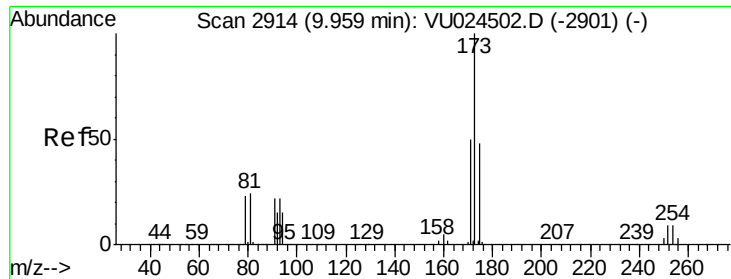
MMDadoda
6/28/2018 4:37:04 PM



#70
Styrene
Concen: 52.31 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.7	40.6	60.8
103	55.5	44.7	67.1





#71

Bromoform

Concen: 48.21 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 117992

Ion Ratio Lower Upper

173 100

175 48.5 24.6 74.0

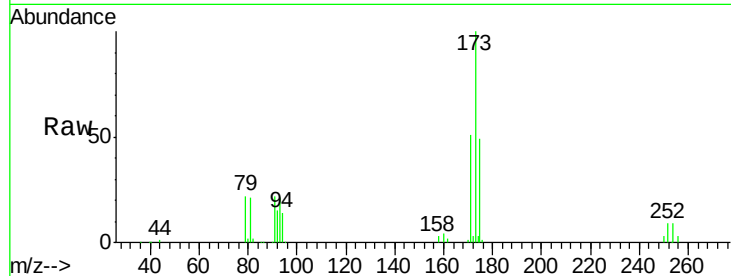
254 0.0 0.0 0.0#

Manual Integrations

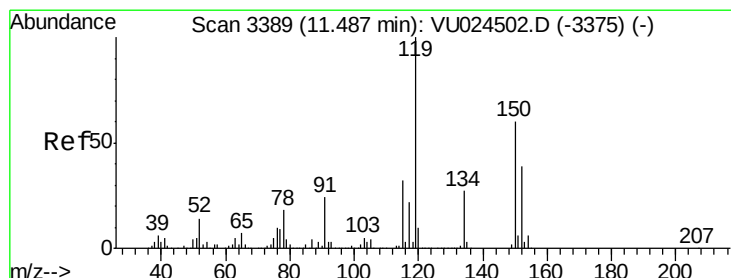
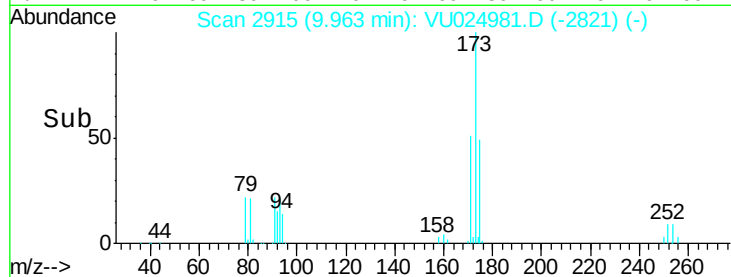
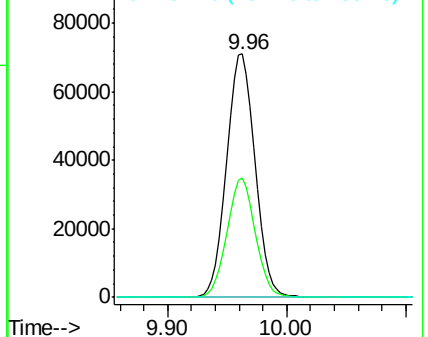
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6/28/2018 4:37:04 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

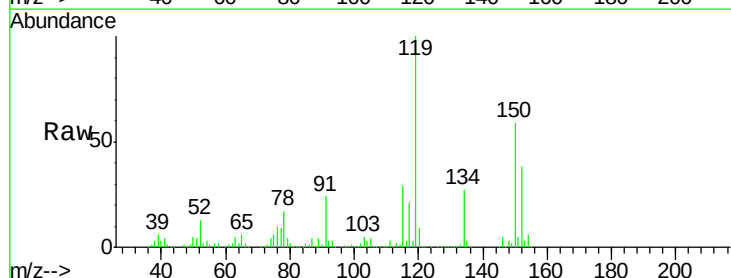
Tgt Ion:152 Resp: 165896

Ion Ratio Lower Upper

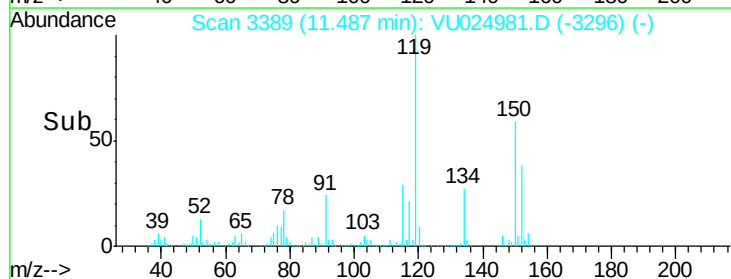
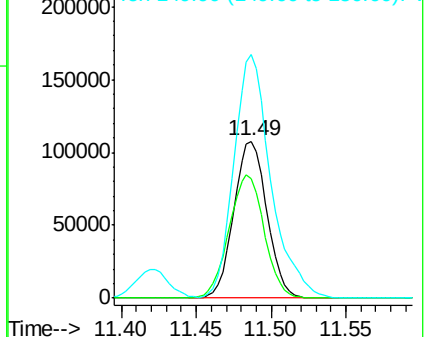
152 100

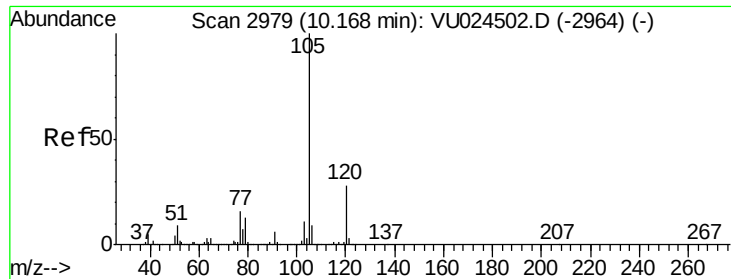
115 83.5 43.0 129.0

150 173.6 0.0 354.0



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





#73

Isopropylbenzene

Concen: 51.21 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 652211

Ion Ratio Lower Upper

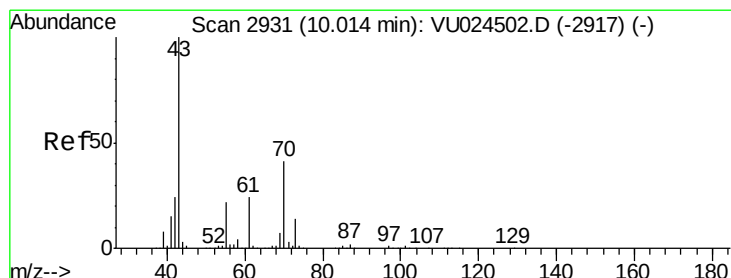
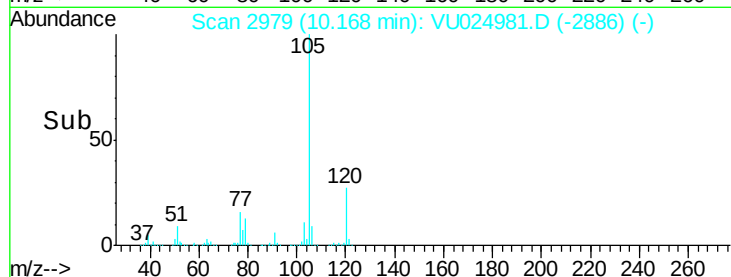
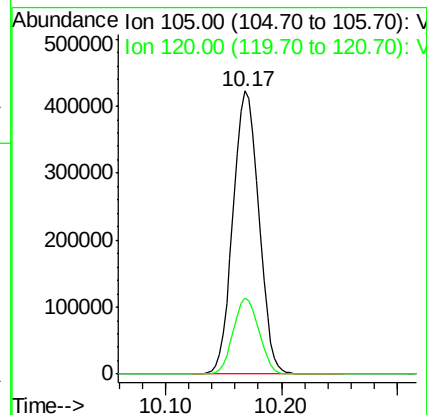
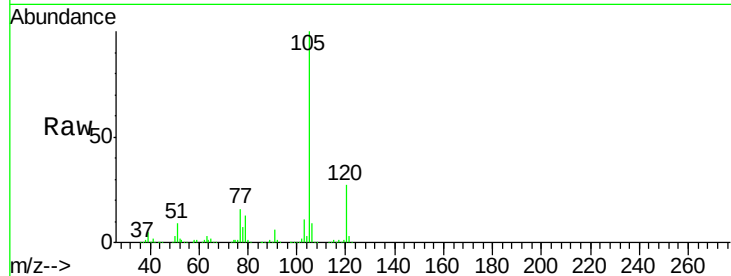
105 100

120 26.7 13.2 39.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 46.24 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Tgt Ion: 43 Resp: 280125

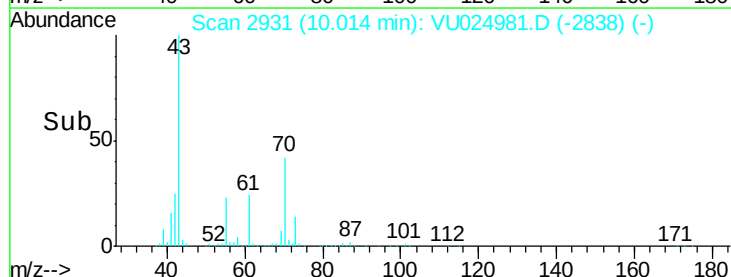
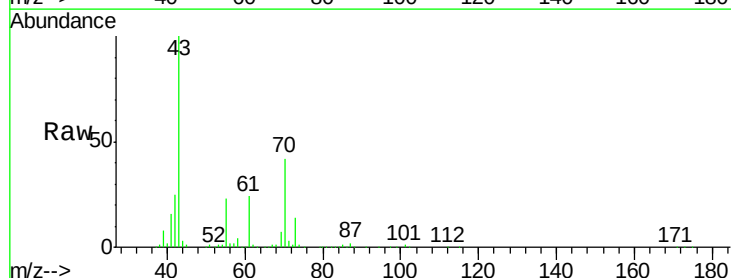
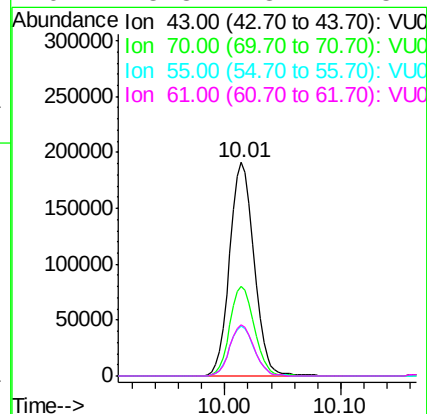
Ion Ratio Lower Upper

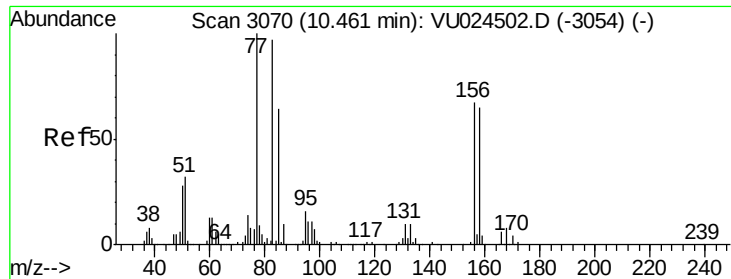
43 100

70 42.4 32.2 48.4

55 23.6 20.5 30.7

61 23.8 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.09 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 218039

Ion Ratio Lower Upper

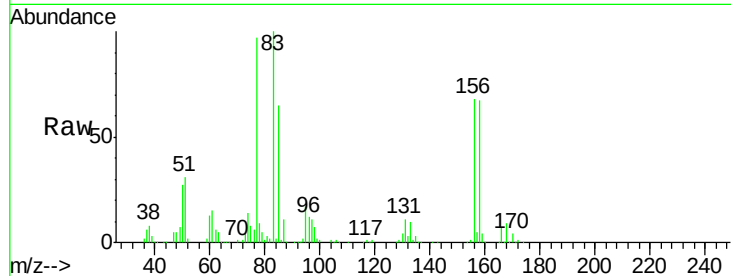
83 100

131 10.6 4.7 14.1

85 64.7 32.5 97.5

Manual Integrations
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6/28/2018 4:37:04 PM



Abundance Ion 82.90 (82.60 to 83.60): VU024981.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU024981.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU024981.D (-2977) (-)

10.46

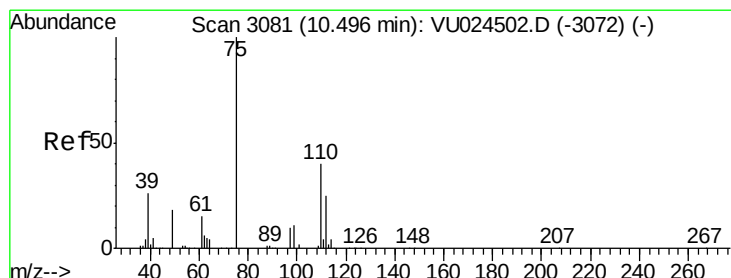
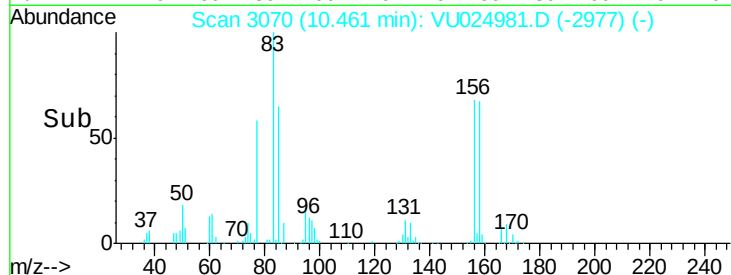
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 54.59 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024981.D

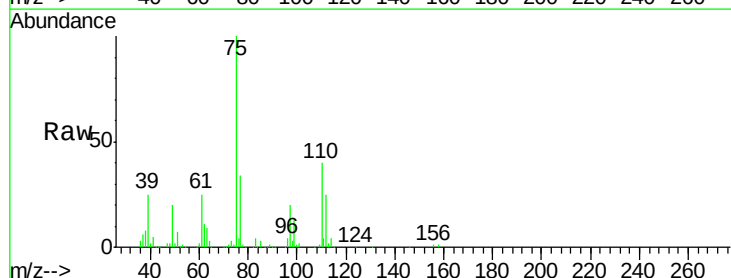
Acq: 27 Jun 2018 21:43

Tgt Ion: 75 Resp: 199384

Ion Ratio Lower Upper

75 100

77 40.9 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU024981.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU024981.D (-2988) (-)

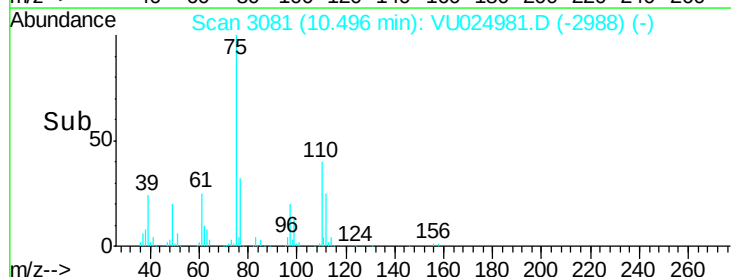
150000

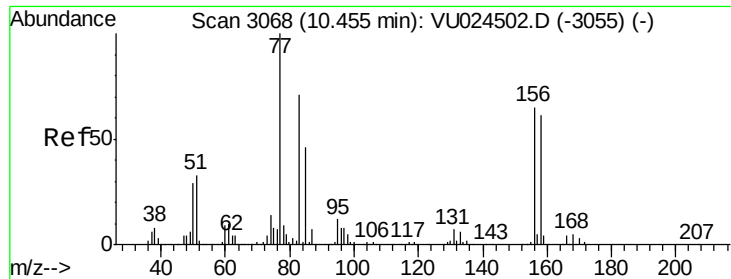
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 51.74 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Instrument :

MSVOA_U

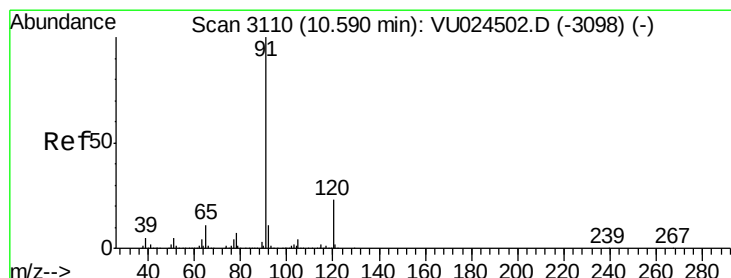
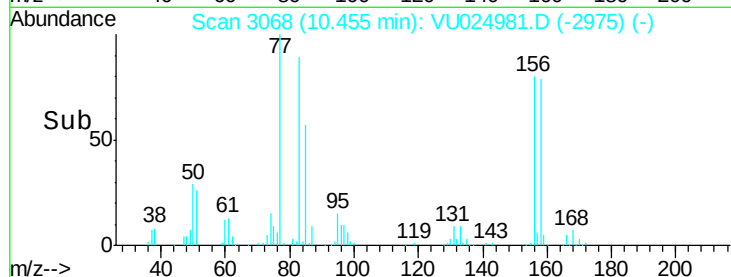
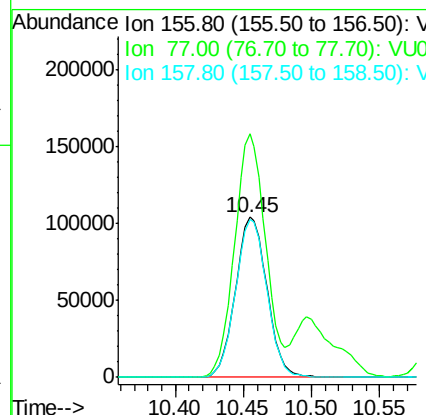
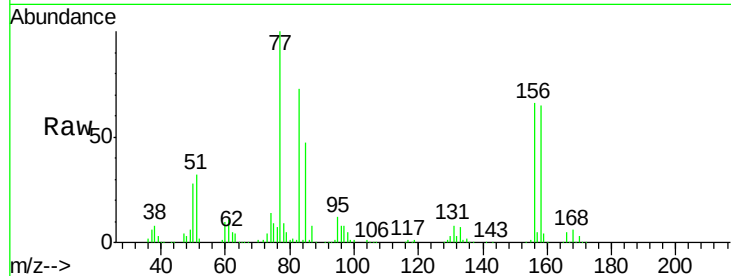
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	166827
Ion Ratio	Lower	Upper	
156	100		
77	150.5	80.5	241.3
158	98.5	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 49.53 ug/l

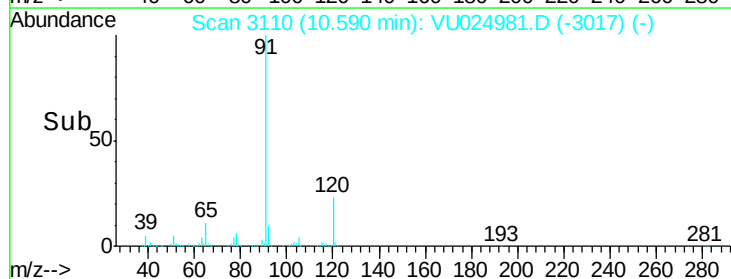
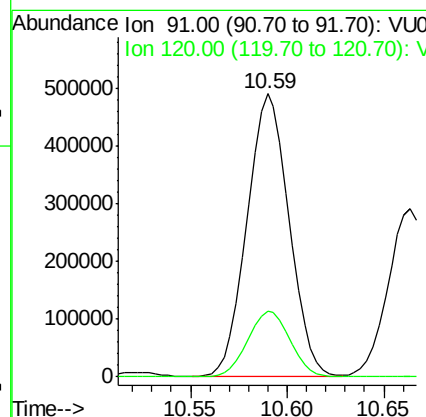
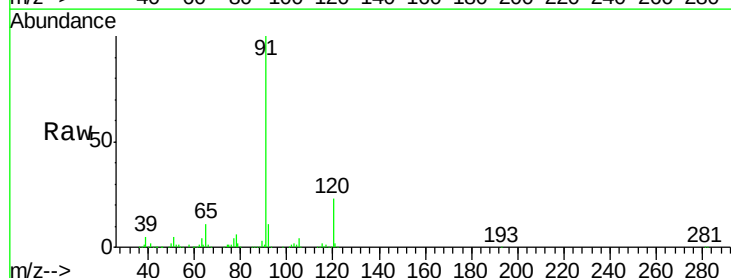
RT: 10.59 min Scan# 3110

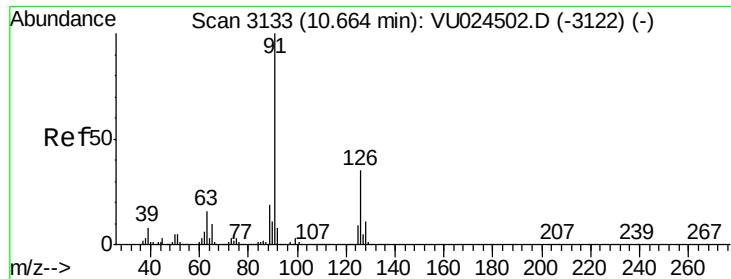
Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Tgt Ion:	91	Resp:	743180
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.2	33.5





#79

2-Chlorotoluene

Concen: 51.09 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 452006

Ion Ratio Lower Upper

91 100

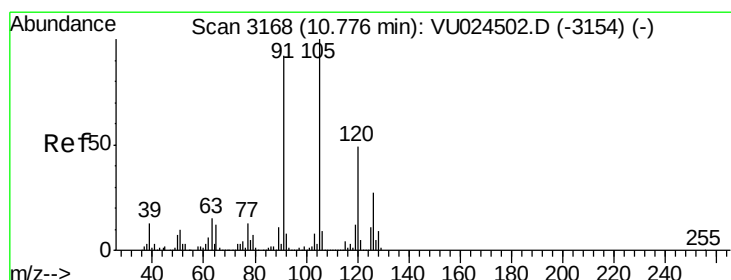
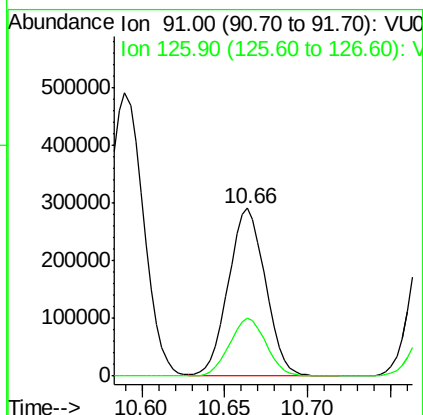
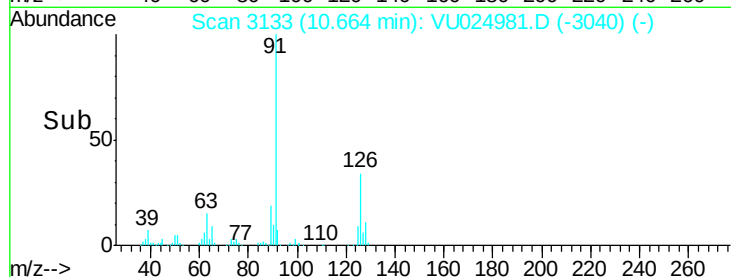
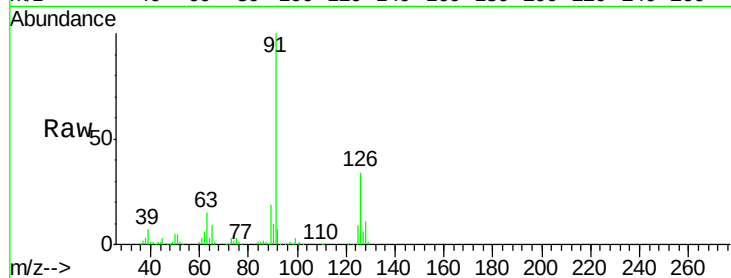
126 34.3 16.9 50.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.57 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024981.D

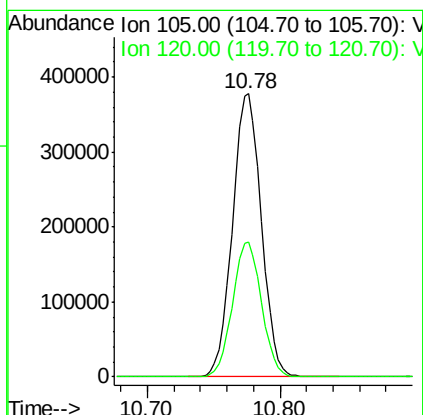
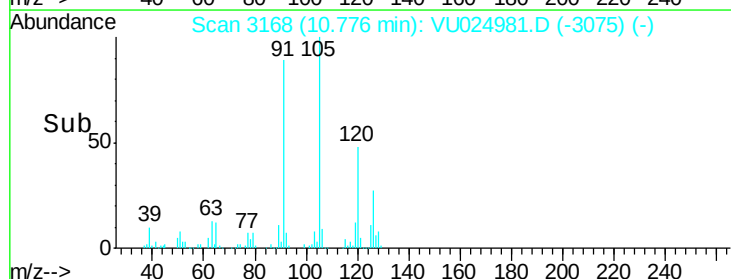
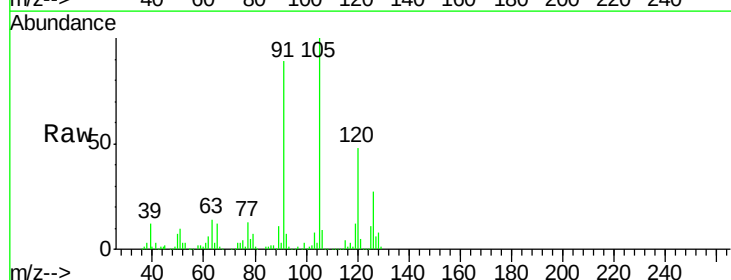
Acq: 27 Jun 2018 21:43

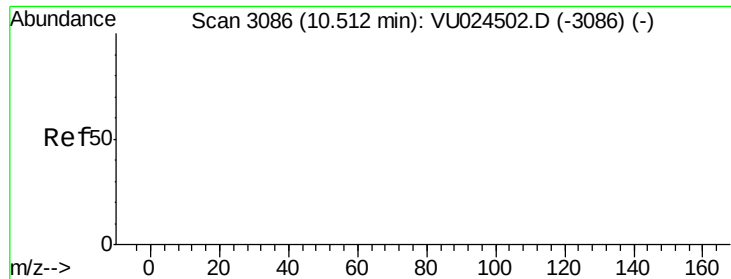
Tgt Ion: 105 Resp: 569339

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 44.61 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Instrument :

MSVOA_U

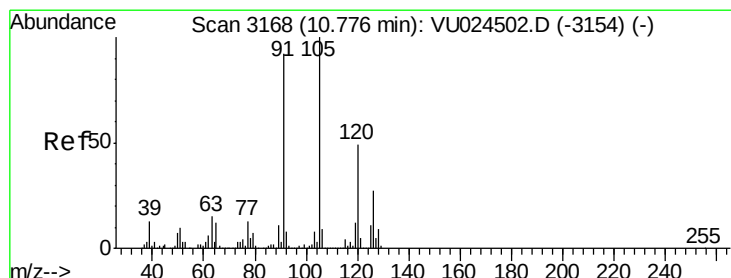
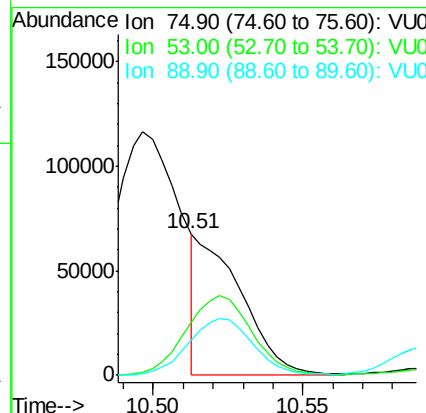
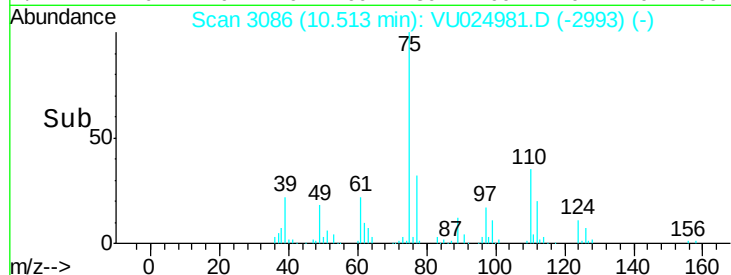
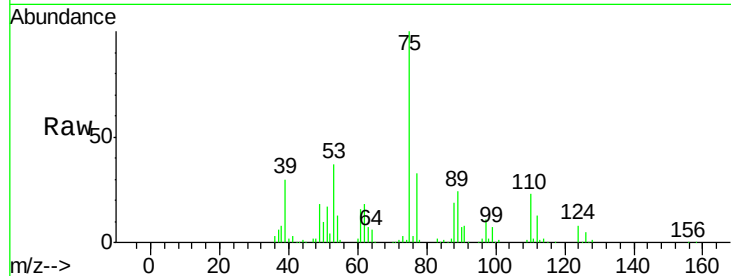
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	70394
Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.15 ug/l

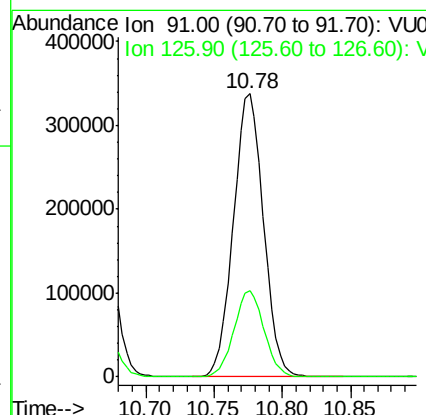
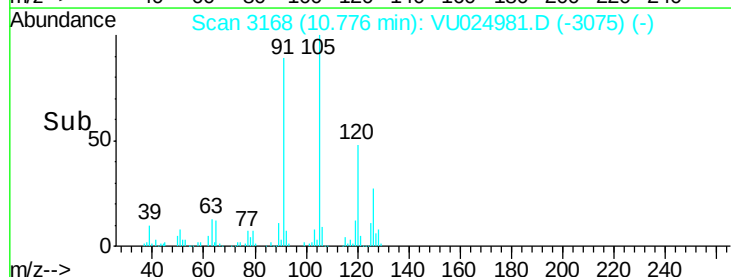
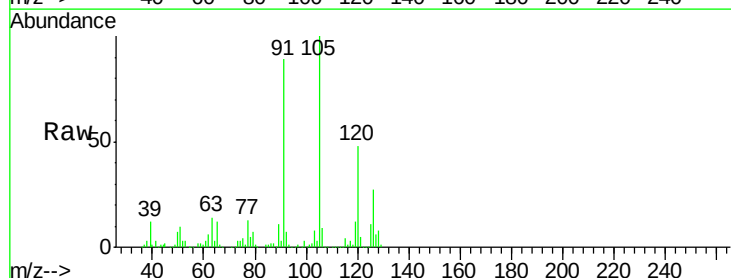
RT: 10.78 min Scan# 3168

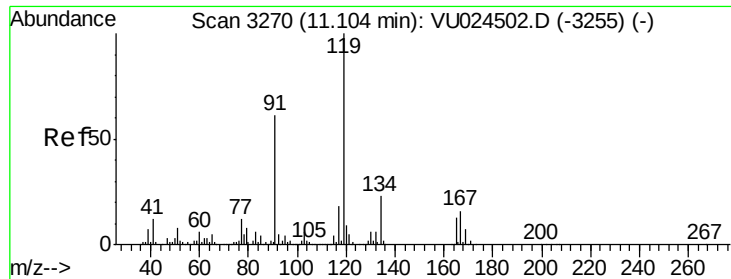
Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Tgt Ion:	91	Resp:	516459
Ion	Ratio	Lower	Upper
91	100		
126	30.6	14.9	44.9





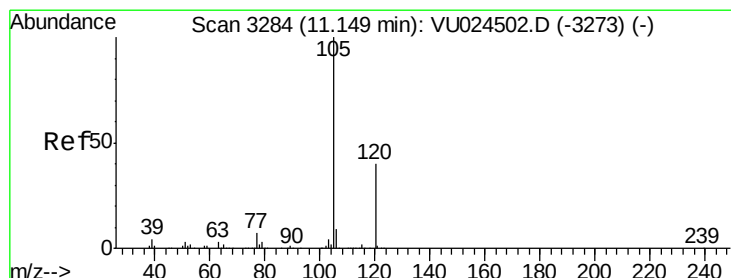
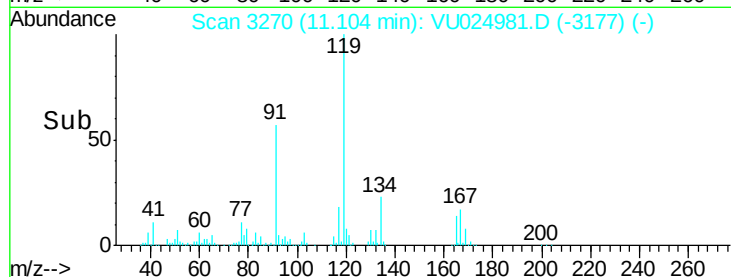
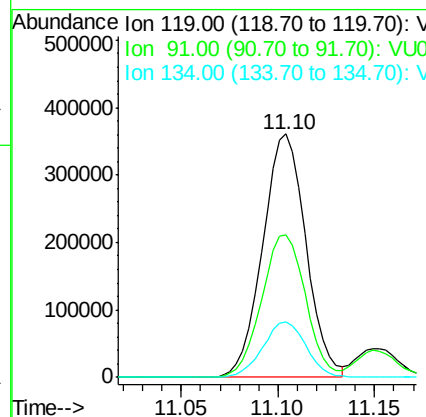
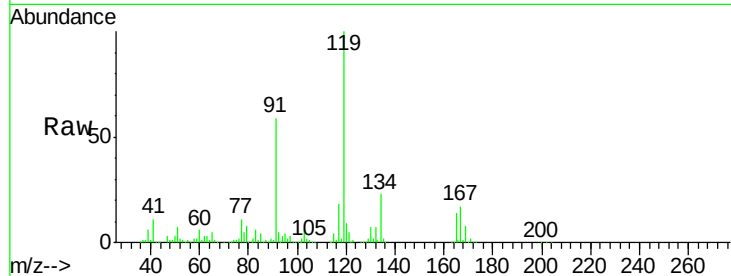
#83
 tert-Butylbenzene
 Concen: 53.02 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024981.D
 Acq: 27 Jun 2018 21:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.7	29.7	89.1
134	22.8	11.6	34.7

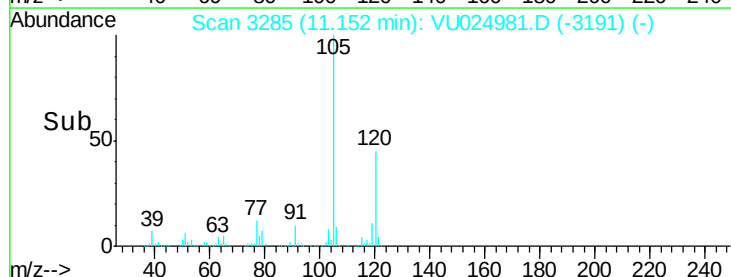
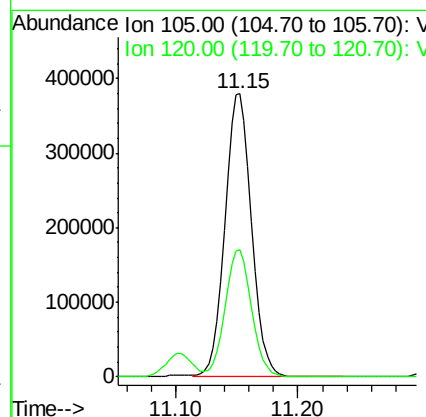
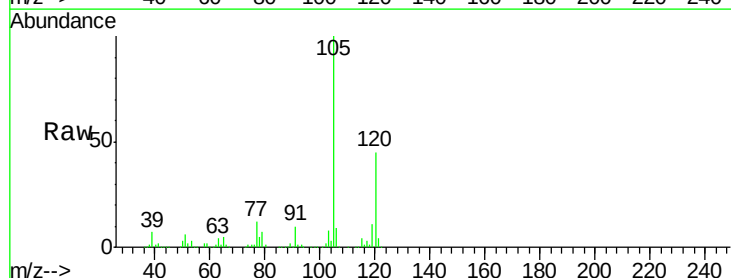
Manual Integrations
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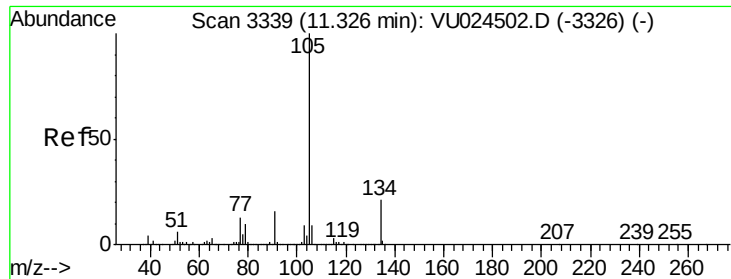
MMDadoda
 6/28/2018 4:37:04 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.53 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024981.D
 Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.6	67.8





#85

sec-Butylbenzene

Concen: 51.00 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 677967

Ion Ratio Lower Upper

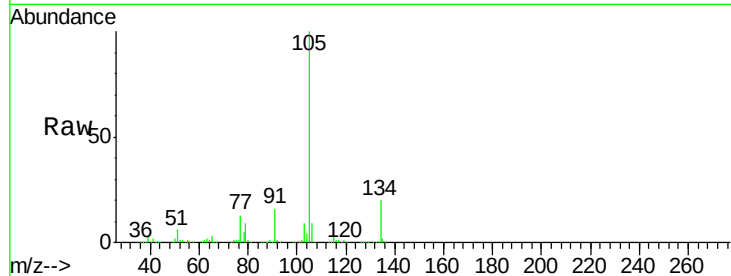
105 100

134 20.2 9.7 29.1

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

400000

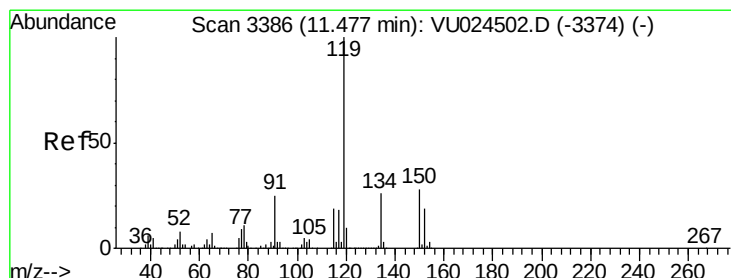
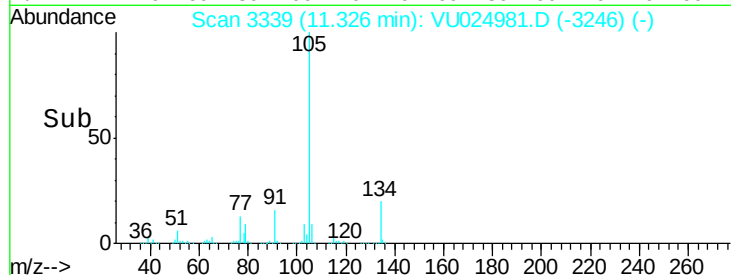
300000

200000

100000

0

Time--> 11.20 11.30 11.40



#86

p-Isopropyltoluene

Concen: 50.59 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

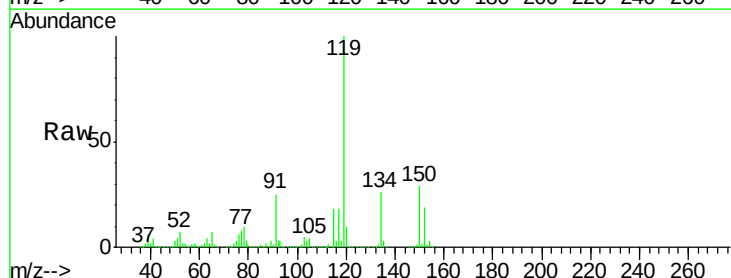
Tgt Ion:119 Resp: 602300

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

91 24.2 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

400000

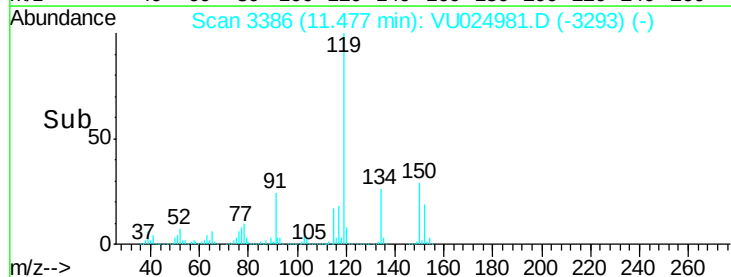
300000

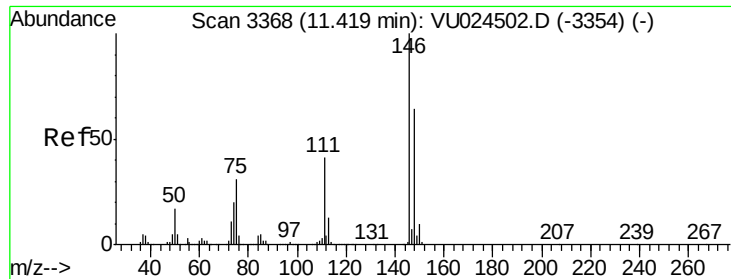
200000

100000

0

Time--> 11.40 11.50





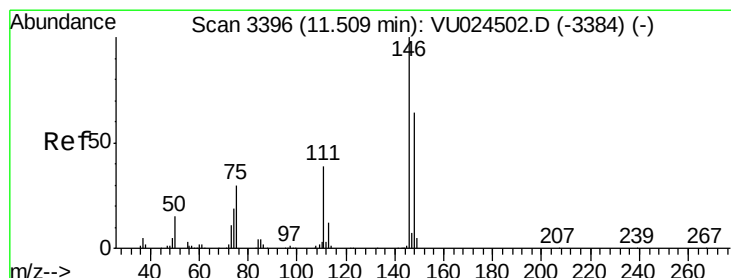
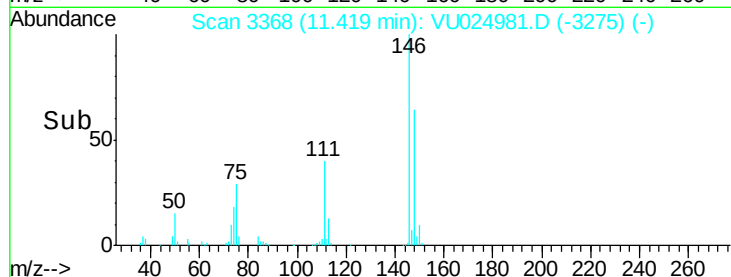
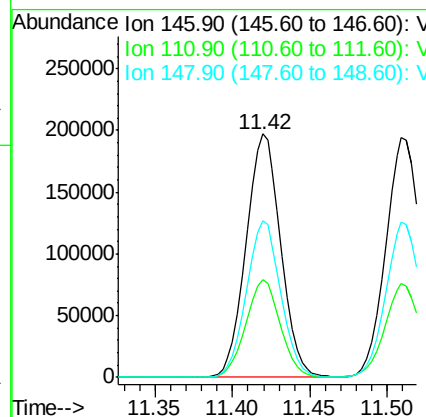
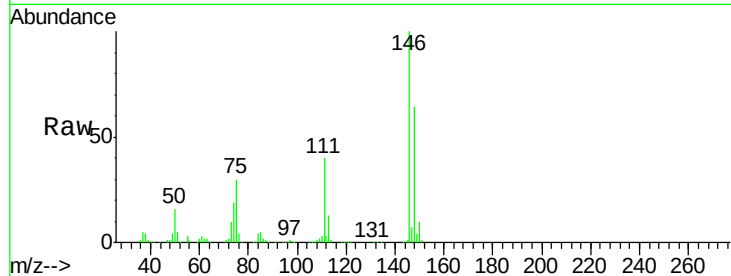
#87
 1,3-Dichlorobenzene
 Concen: 51.48 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024981.D
 Acq: 27 Jun 2018 21:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	63.6	32.1	96.5

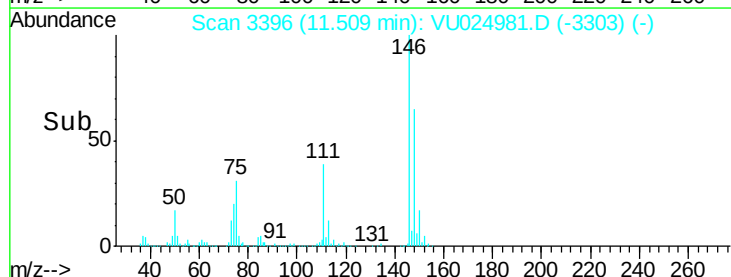
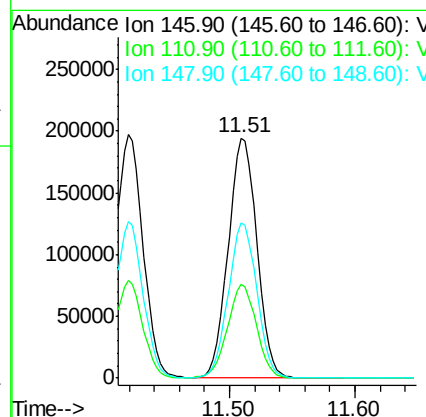
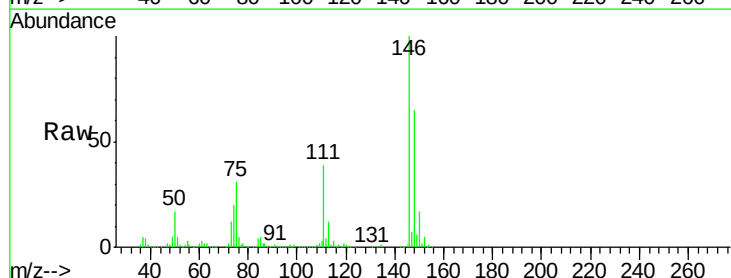
Manual Integrations
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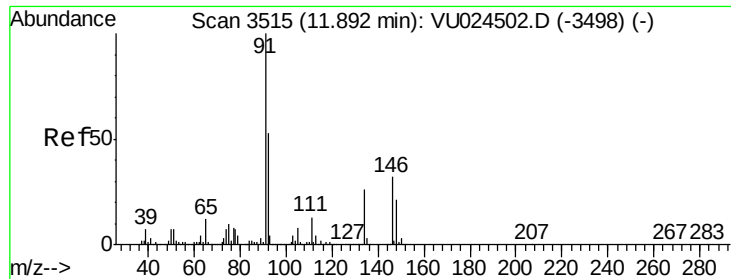
MMDadoda
 6/28/2018 4:37:04 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.34 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024981.D
 Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.5	58.5
148	64.1	32.4	97.0





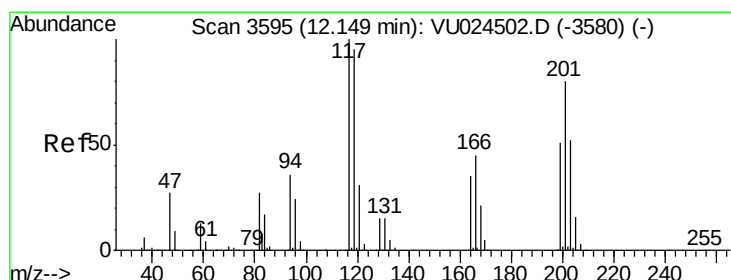
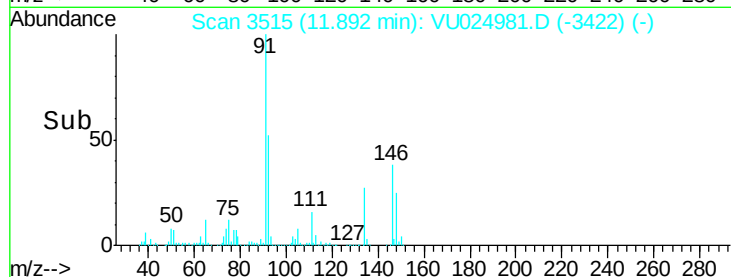
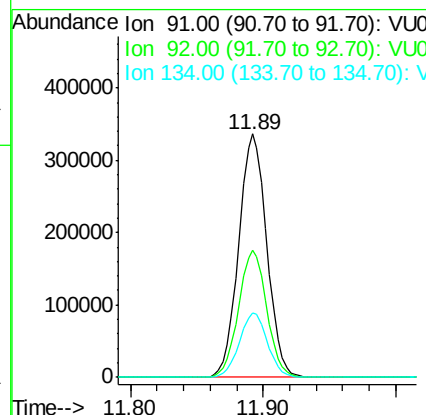
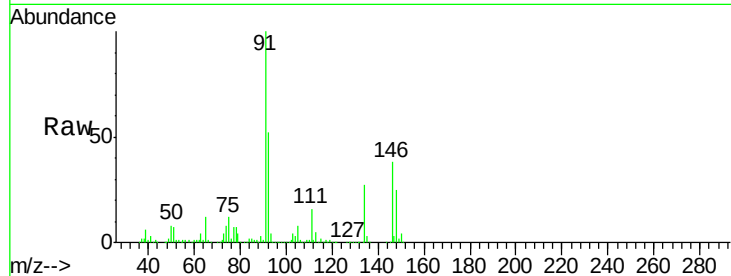
#89
n-Butylbenzene
Concen: 46.63 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.6	76.8
134	26.5	12.3	36.8

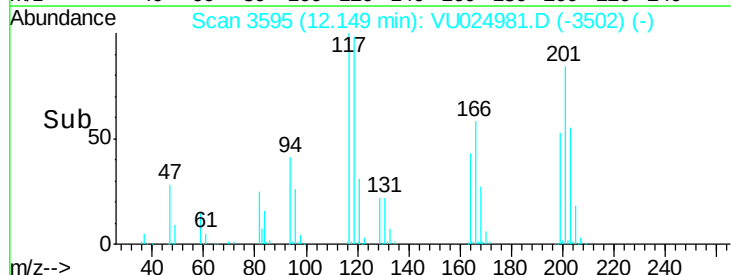
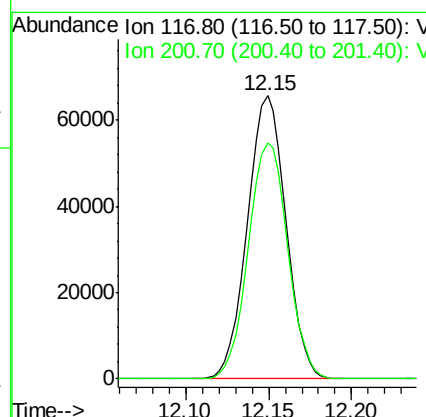
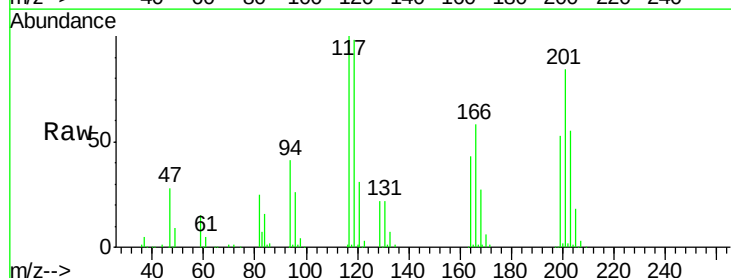
Manual Integrations
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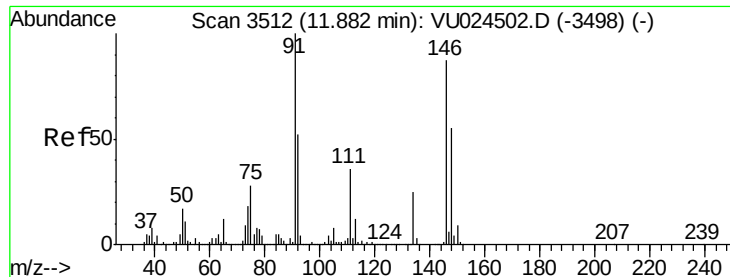
MMDadoda
6/28/2018 4:37:04 PM



#90
Hexachloroethane
Concen: 45.84 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU024981.D
Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	41.1	123.3





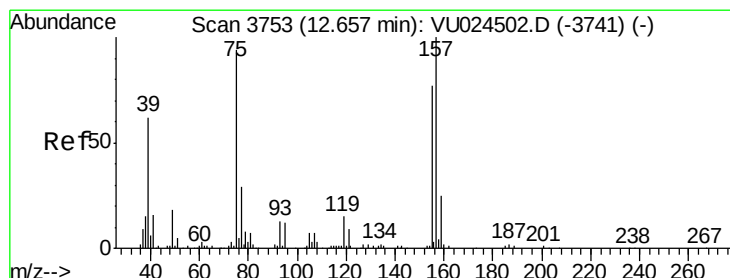
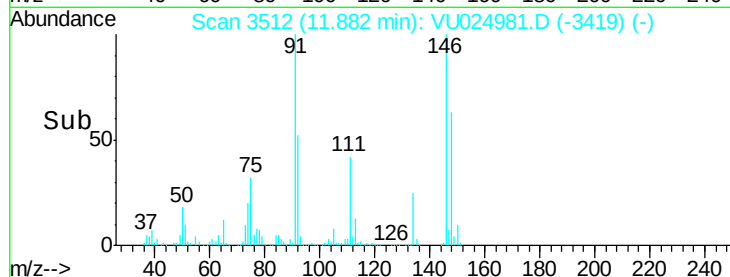
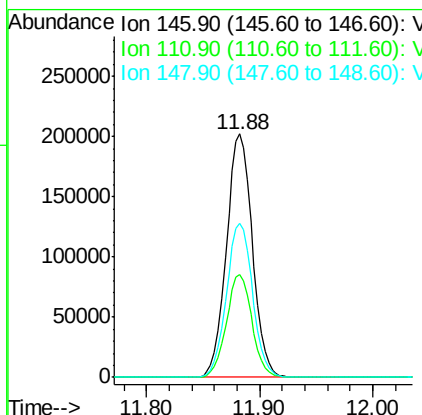
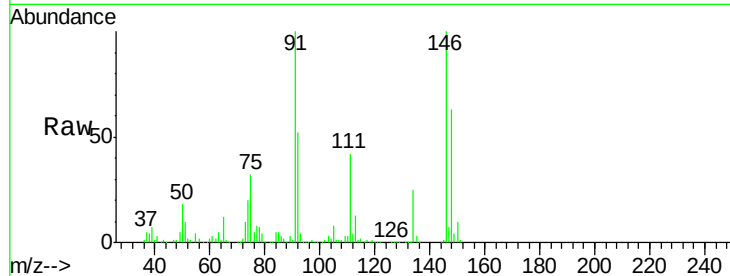
#91
 1,2-Dichlorobenzene
 Concen: 53.79 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024981.D
 Acq: 27 Jun 2018 21:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.5	61.6
148	64.1	31.9	95.7

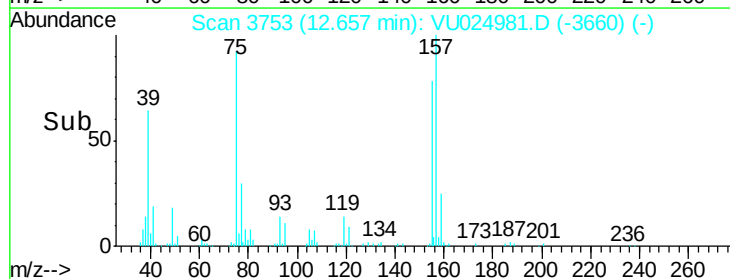
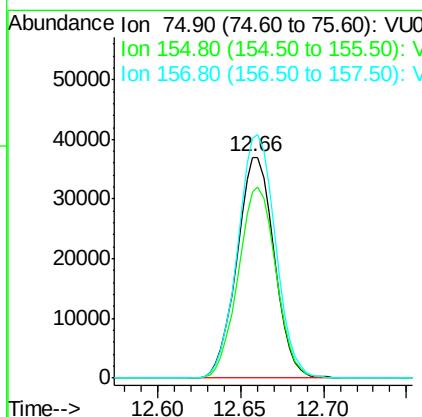
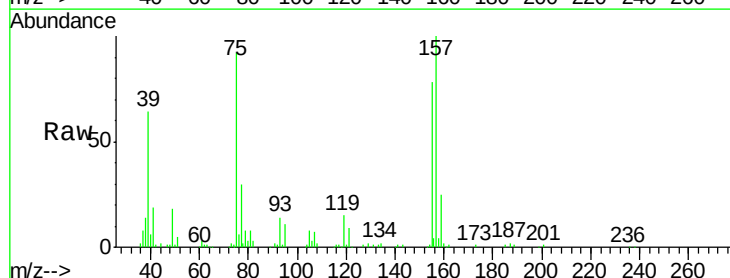
Manual Integrations
 APPROVED

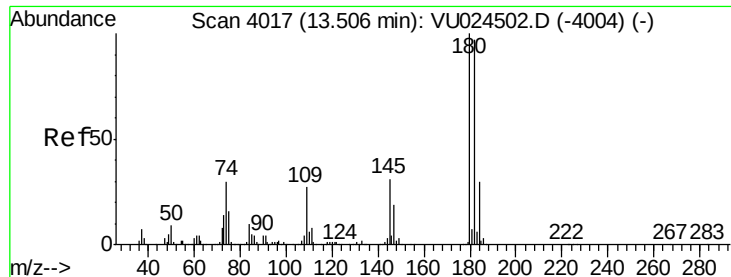
MMDadoda
 6/28/2018 4:37:04 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.30 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU024981.D
 Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.3	40.4	121.2
157	111.4	52.3	156.8





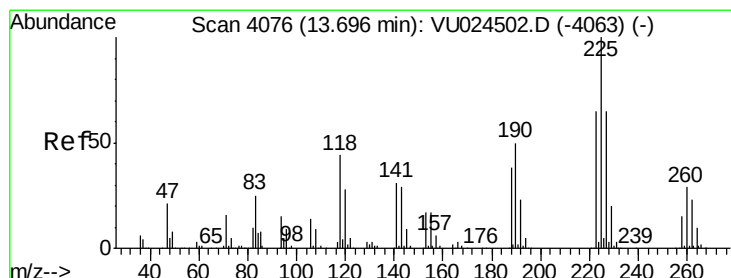
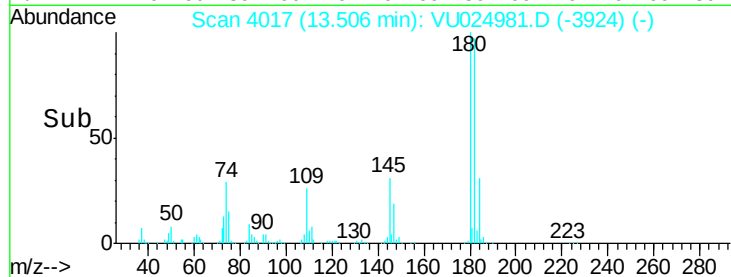
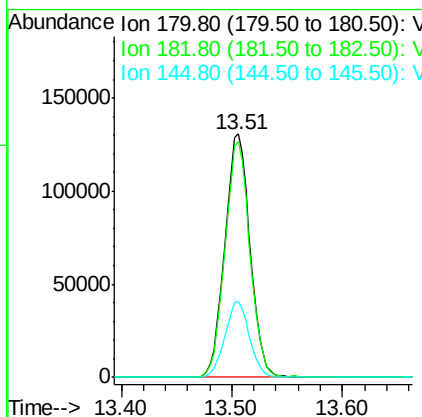
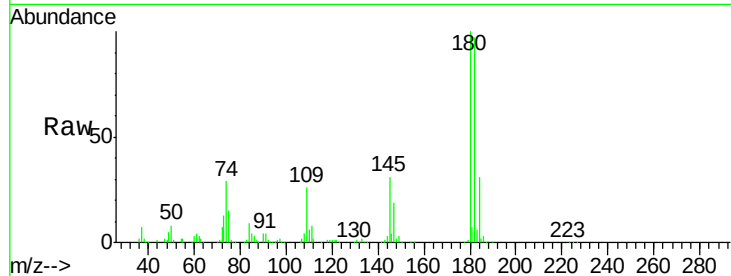
#93
 1,2,4-Trichlorobenzene
 Concen: 56.15 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024981.D
 Acq: 27 Jun 2018 21:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	206902		
182	95.5	48.0	144.2	
145	30.5	14.7	44.1	

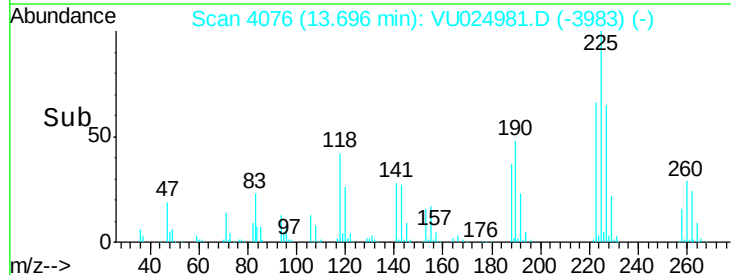
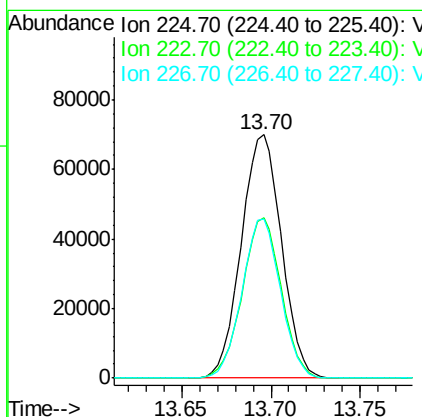
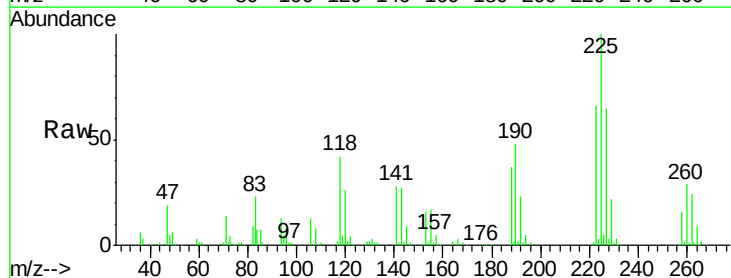
Manual Integrations
 APPROVED

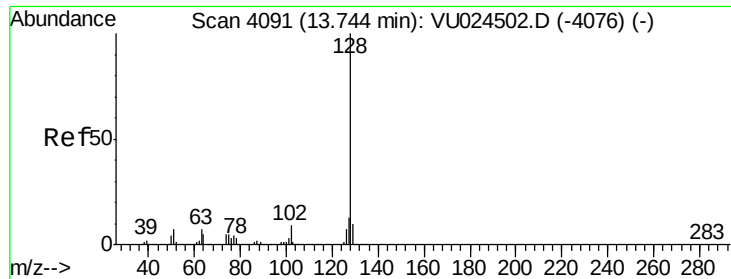
MMDadoda
 6/28/2018 4:37:04 PM



#94
 Hexachlorobutadiene
 Concen: 53.27 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024981.D
 Acq: 27 Jun 2018 21:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	110489		
223	63.7	31.3	93.8	
227	62.5	31.8	95.4	





#95

Naphthalene

Concen: 54.83 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Instrument :

MSVOA_U

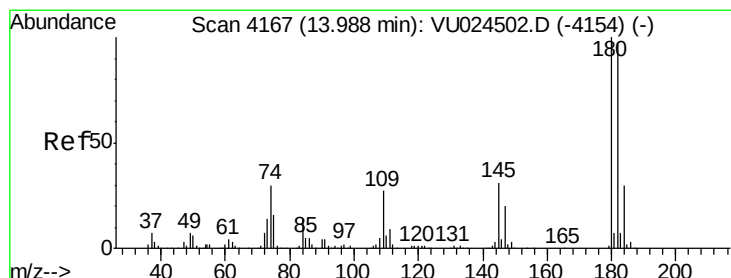
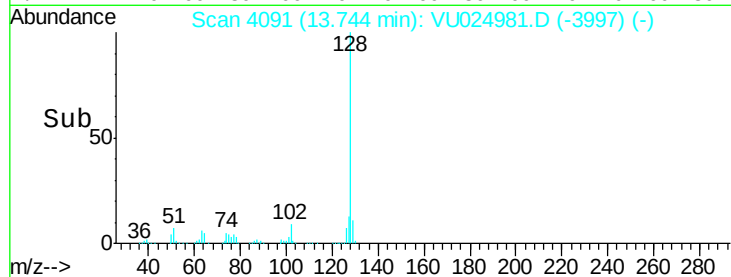
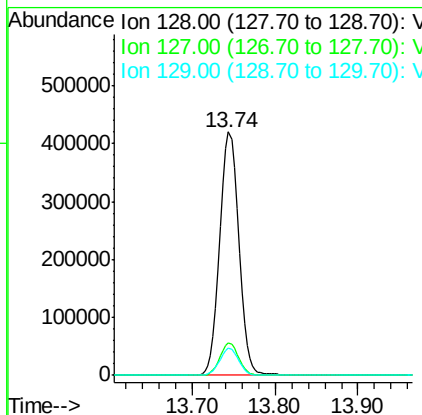
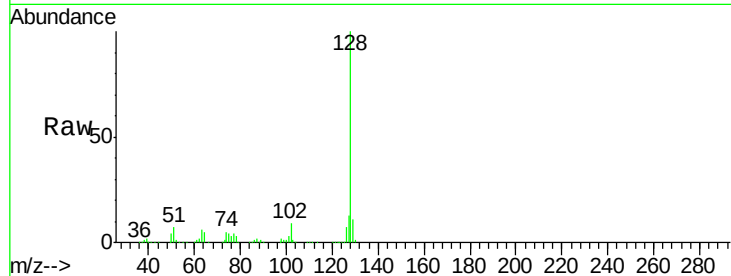
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	669617
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/28/2018 4:37:04 PM



#96

1,2,3-Trichlorobenzene

Concen: 58.46 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU024981.D

Acq: 27 Jun 2018 21:43

Tgt Ion:	180	Resp:	214646
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.9	143.7
145	32.2	15.4	46.1

