

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
 Data File : VU024707.D
 Acq On : 18 Jun 2018 21:28
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:55:06 PM

Quant Time: Jun 19 07:32:59 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	157821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	258039	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	248318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147262	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	124818	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
35) Dibromofluoromethane	4.89	113	104356	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
50) Toluene-d8	7.57	98	387687	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	10.31	95	149116	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	80354	40.68	ug/l	100
3) Chloromethane	1.33	50	97331	48.23	ug/l	97
4) Vinyl Chloride	1.40	62	101482	48.76	ug/l	98
5) Bromomethane	1.62	94	52747	52.42	ug/l	97
6) Chloroethane	1.69	64	66761	57.56	ug/l	98
7) Trichlorofluoromethane	1.89	101	154880	48.76	ug/l	100
8) Diethyl Ether	2.10	74	59850	55.58	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.29	101	86893	44.10	ug/l	97
10) Methyl Iodide	2.41	142	76607	46.37	ug/l	99
11) Tert butyl alcohol	2.82	59	146291	233.46	ug/l	100
12) 1,1-Dichloroethene	2.28	96	85840	47.77	ug/l	89
13) Acrolein	2.19	56	43098	130.98	ug/l	97
14) Allyl chloride	2.59	41	132444	39.69	ug/l	96
15) Acrylonitrile	2.93	53	328988	269.85	ug/l	99
16) Acetone	2.32	43	280454	202.59	ug/l	97
17) Carbon Disulfide	2.48	76	241493	41.97	ug/l	99
18) Methyl Acetate	2.61	43	178334	60.09	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	331964	49.14	ug/l	98
20) Methylene Chloride	2.70	84	102994	47.42	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	91469	46.21	ug/l	97
22) Diisopropyl ether	3.57	45	333343	50.40	ug/l	99
23) Vinyl Acetate	3.53	43	1387818	234.23	ug/l	98
24) 1,1-Dichloroethane	3.45	63	185685	48.80	ug/l	98
25) 2-Butanone	4.26	43	467279	251.30	ug/l	97
26) 2,2-Dichloropropane	4.23	77	61130	16.92	ug/l	91
27) cis-1,2-Dichloroethene	4.23	96	111657	49.07	ug/l	91
28) Bromochloromethane	4.55	49	83344	49.73	ug/l	86
29) Tetrahydrofuran	4.63	42	301534	261.86	ug/l	97
30) Chloroform	4.68	83	190444	49.45	ug/l	100
31) Cyclohexane	5.00	56	166307	49.19	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	171460	48.14	ug/l	96
36) 1,1-Dichloropropene	5.14	75	133509	44.03	ug/l	98
37) Ethyl Acetate	4.38	43	176212	53.32	ug/l	98
38) Carbon Tetrachloride	5.14	117	155092	46.51	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	159064	42.04	ug/l	95
40) Benzene	5.39	78	414061	47.92	ug/l	98
41) Methacrylonitrile	4.54	41	94764	53.18	ug/l	97
42) 1,2-Dichloroethane	5.41	62	155368	47.21	ug/l	99
43) Isopropyl Acetate	5.55	43	281381	49.26	ug/l	98
44) Trichloroethene	6.19	130	113214	46.04	ug/l	93
45) 1,2-Dichloropropane	6.44	63	114664	49.74	ug/l	99
46) Dibromomethane	6.56	93	79618	49.17	ug/l	95
47) Bromodichloromethane	6.76	83	155607	48.26	ug/l	99
48) Methyl methacrylate	6.63	41	139215	50.05	ug/l	98
49) 1,4-Dioxane	6.61	88	60588	1113.77	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	934206	260.30	ug/l	99
52) Toluene	7.64	92	265588	47.78	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	155160	42.85	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	154793	40.12	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	112799	49.92	ug/l	99
56) Ethyl methacrylate	8.02	69	196114	51.86	ug/l	97
57) 1,3-Dichloropropane	8.25	76	190395	49.95	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	427228	294.87	ug/l	96
59) 2-Hexanone	8.36	43	750667	256.20	ug/l	99
60) Dibromochloromethane	8.48	129	134616	47.78	ug/l	99
61) 1,2-Dibromoethane	8.59	107	126906	50.46	ug/l	99
64) Tetrachloroethene	8.23	164	117002	49.57	ug/l	98
65) Chlorobenzene	9.12	112	305349	48.13	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	116646	48.40	ug/l	99
67) Ethyl Benzene	9.25	91	518075	46.59	ug/l	97
68) m/p-Xylenes	9.38	106	405799	95.03	ug/l	97
69) o-Xylene	9.78	106	204241	48.33	ug/l	95
70) Styrene	9.80	104	336524	48.45	ug/l	99
71) Bromoform	9.96	173	106595	46.53	ug/l #	100
73) Isopropylbenzene	10.17	105	544827	48.19	ug/l	99
74) N-amyl acetate	10.01	43	268975	50.02	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	194487	51.33	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	171327m	52.84	ug/l	
77) Bromobenzene	10.45	156	138641	48.44	ug/l	95
78) n-propylbenzene	10.59	91	613773	46.08	ug/l	98
79) 2-Chlorotoluene	10.66	91	369148	47.00	ug/l	96
80) 1,3,5-Trimethylbenzene	10.78	105	464206	47.37	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	50601m	36.12	ug/l	
82) 4-Chlorotoluene	10.78	91	425589	46.56	ug/l	99
83) tert-Butylbenzene	11.10	119	453163	48.07	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	478436	47.91	ug/l	99
85) sec-Butylbenzene	11.33	105	554562	47.00	ug/l	97
86) p-Isopropyltoluene	11.48	119	489031	46.28	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	251341	47.53	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	256763	48.24	ug/l	99
89) n-Butylbenzene	11.89	91	406314	43.31	ug/l	97
90) Hexachloroethane	12.15	117	89916	43.62	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	263821	49.81	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	53622	51.29	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	175678	53.71	ug/l	99
94) Hexachlorobutadiene	13.70	225	79734	43.31	ug/l	98
95) Naphthalene	13.74	128	621147	57.26	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	186390	57.19	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 157821

Ion Ratio Lower Upper

168 100

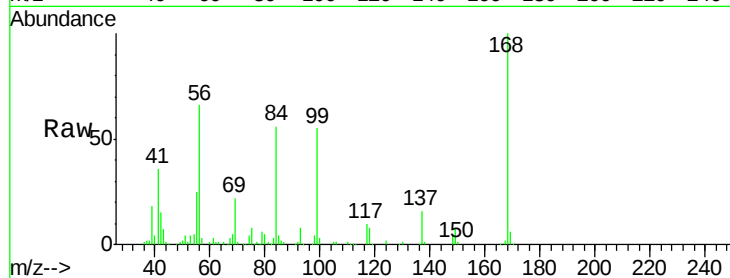
99 53.9 43.2 64.8

Manual Integrations

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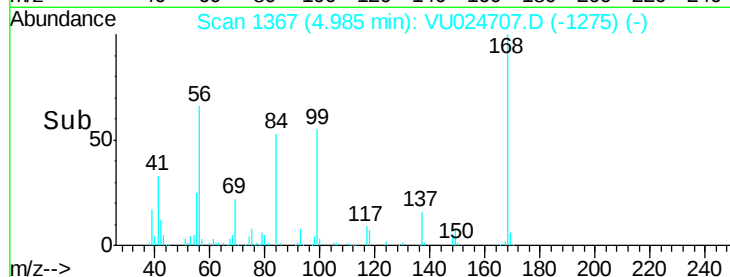
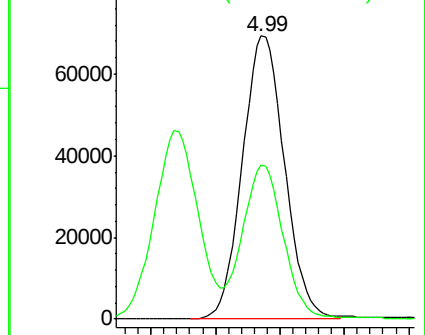
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 40.68 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024707.D

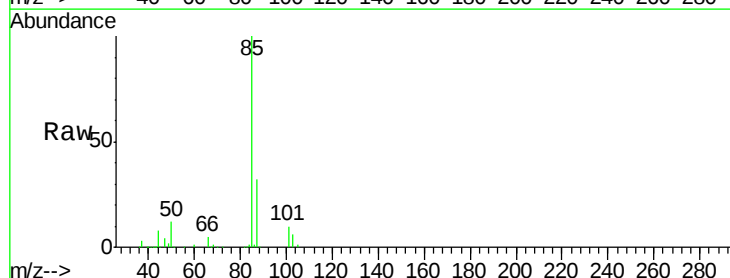
Acq: 18 Jun 2018 21:28

Tgt Ion: 85 Resp: 80354

Ion Ratio Lower Upper

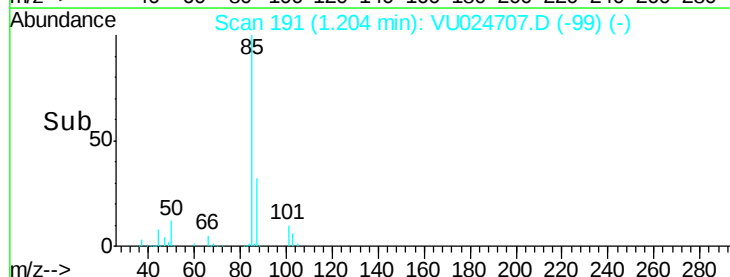
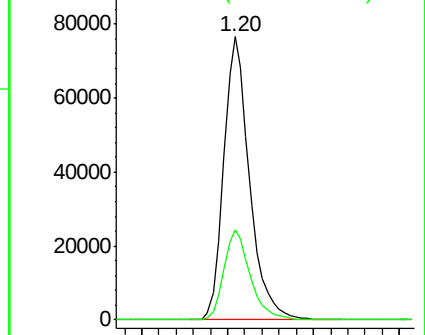
85 100

87 31.9 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: 48.23 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 97331

Ion Ratio Lower Upper

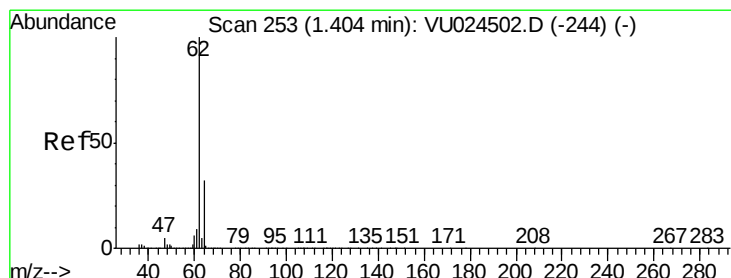
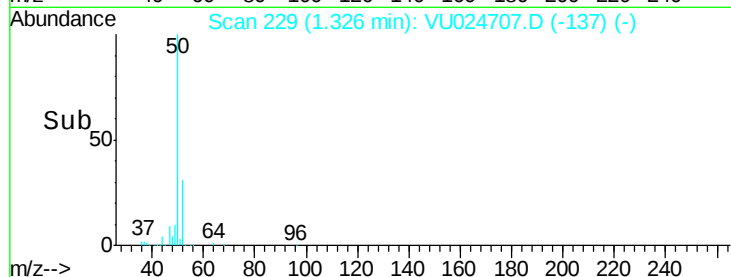
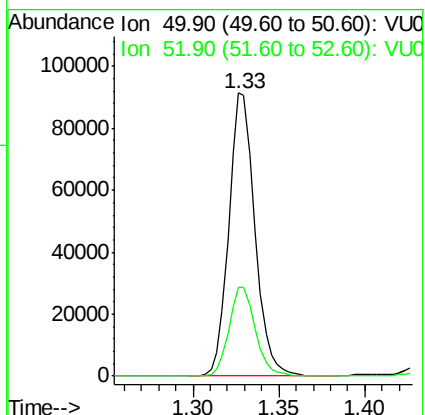
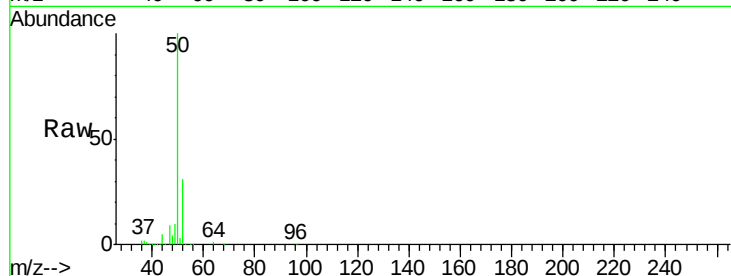
50 100

52 31.4 26.4 39.6

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#4

Vinyl Chloride

Concen: 48.76 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024707.D

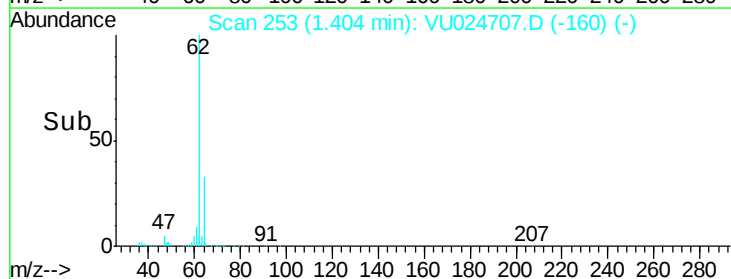
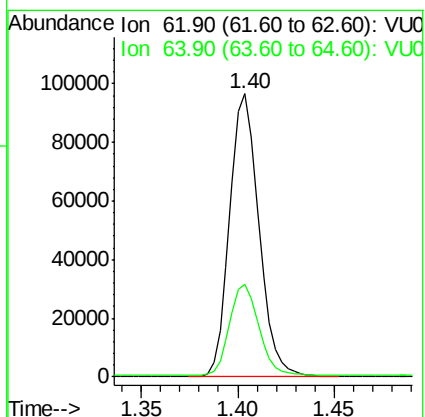
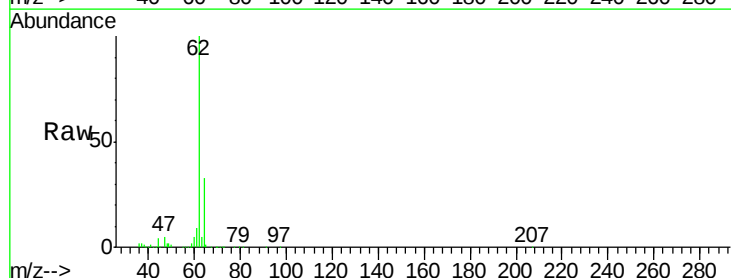
Acq: 18 Jun 2018 21:28

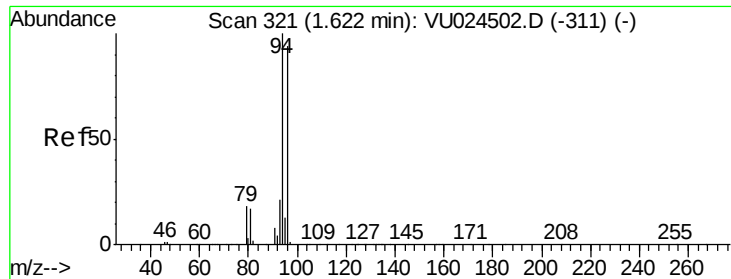
Tgt Ion: 62 Resp: 101482

Ion Ratio Lower Upper

62 100

64 32.1 24.8 37.2





#5

Bromomethane

Concen: 52.42 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 52747

Ion Ratio Lower Upper

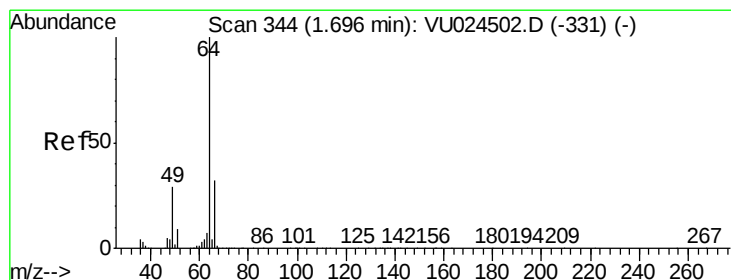
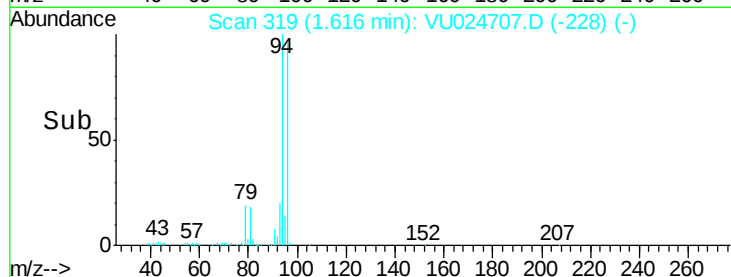
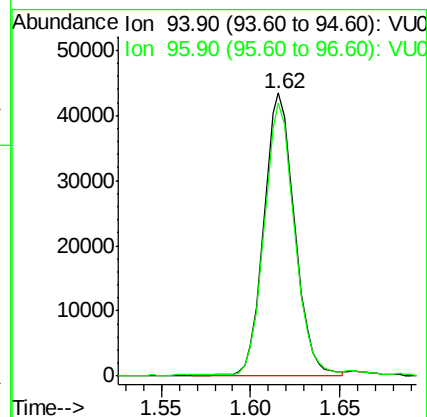
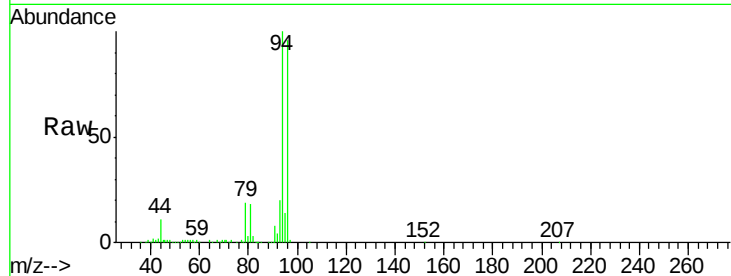
94 100

96 95.8 74.5 111.7

Manual Integrations
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#6

Chloroethane

Concen: 57.56 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU024707.D

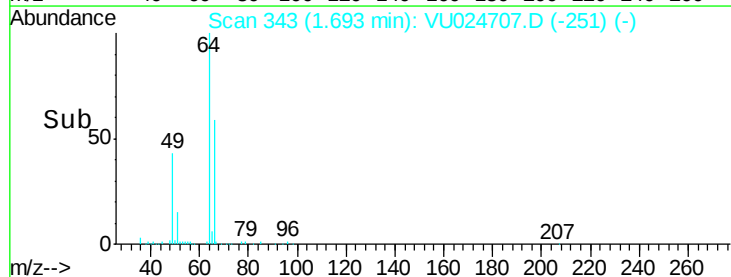
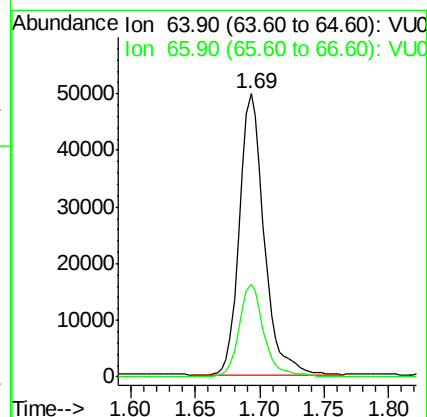
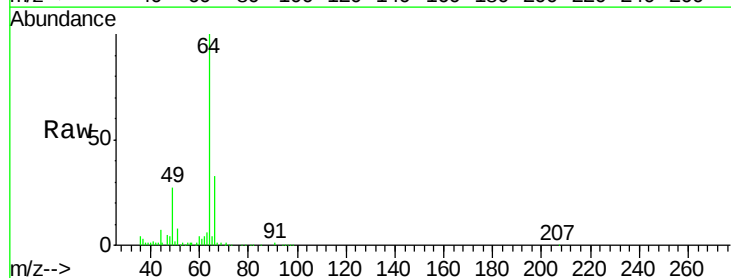
Acq: 18 Jun 2018 21:28

Tgt Ion: 64 Resp: 66761

Ion Ratio Lower Upper

64 100

66 33.1 25.5 38.3





#7

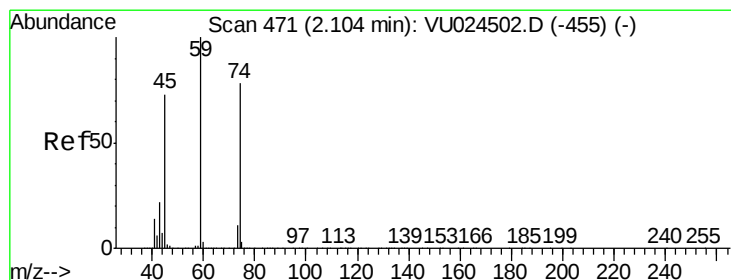
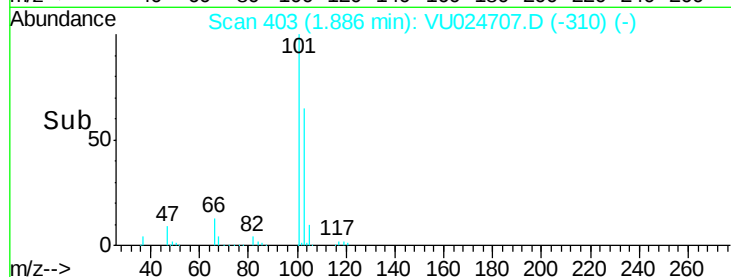
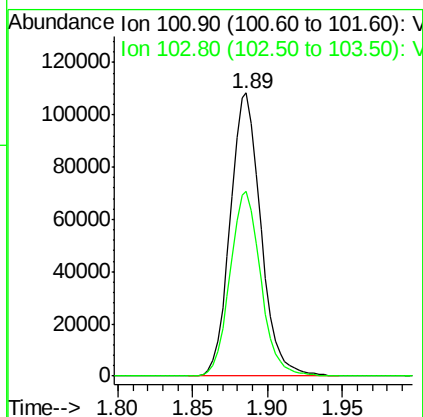
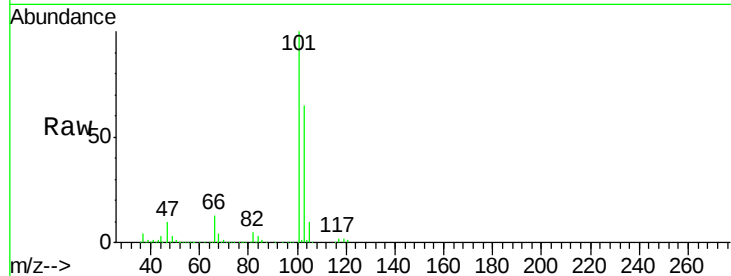
Trichlorofluoromethane
 Concen: 48.76 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU024707.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.3	78.5

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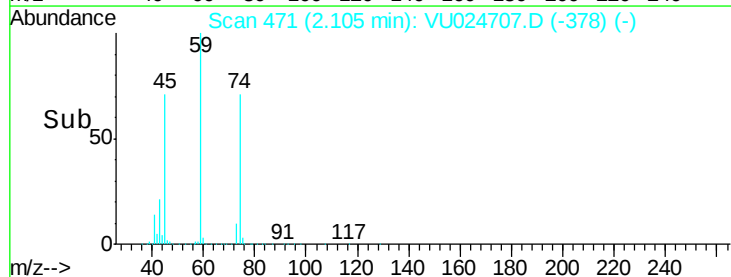
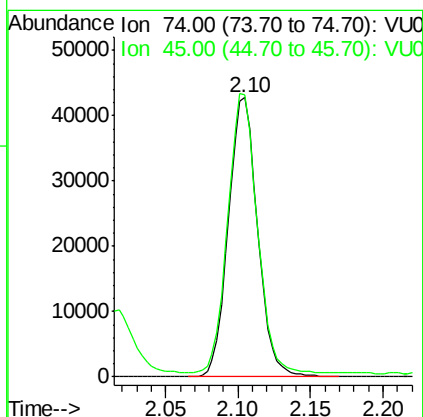
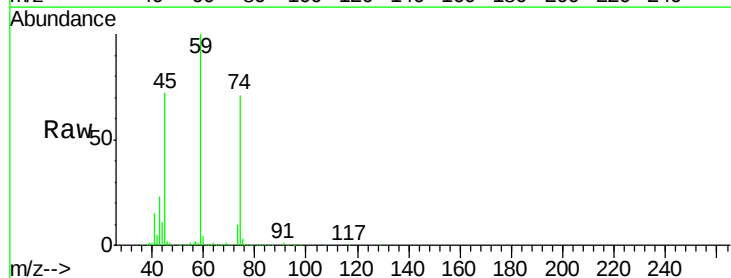
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#8

Diethyl Ether
 Concen: 55.58 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.3	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.10 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

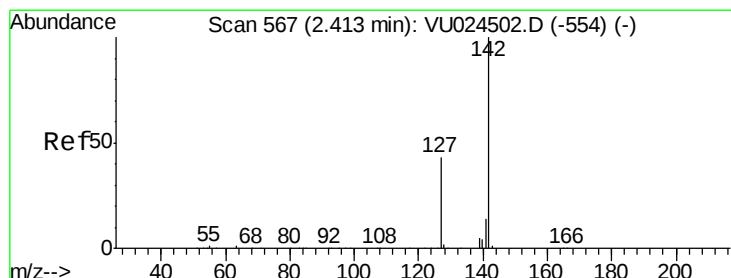
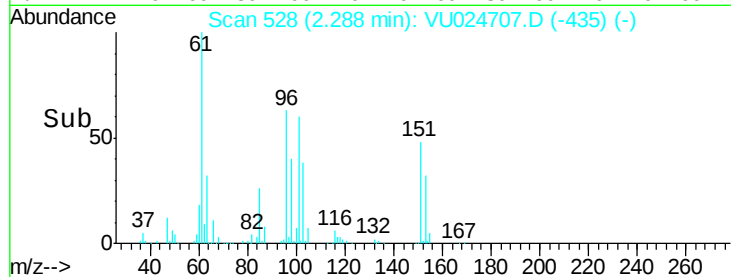
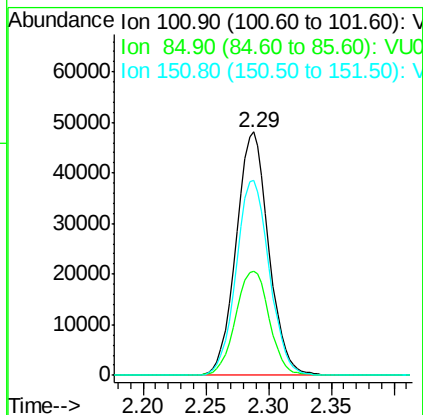
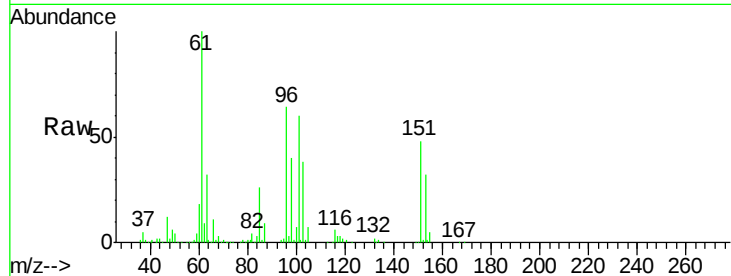
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	86893
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.0	54.0
151	81.5	62.3	93.5

Manual Integrations
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#10

Methyl Iodide

Concen: 46.37 ug/l

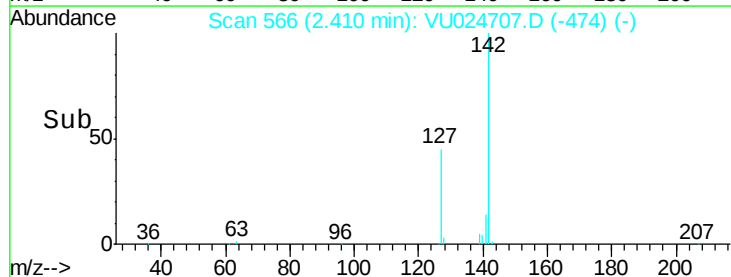
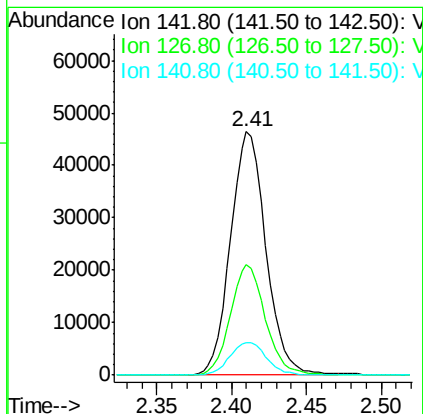
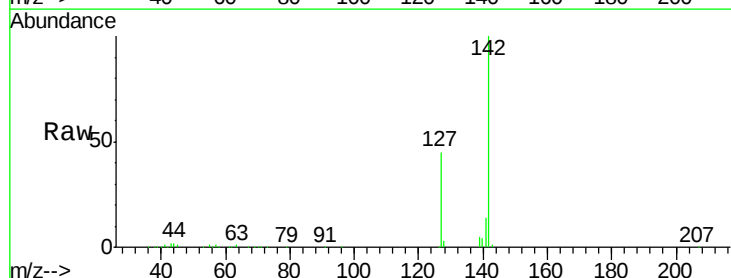
RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Tgt Ion:	142	Resp:	76607
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.6	53.4
141	14.0	11.7	17.5





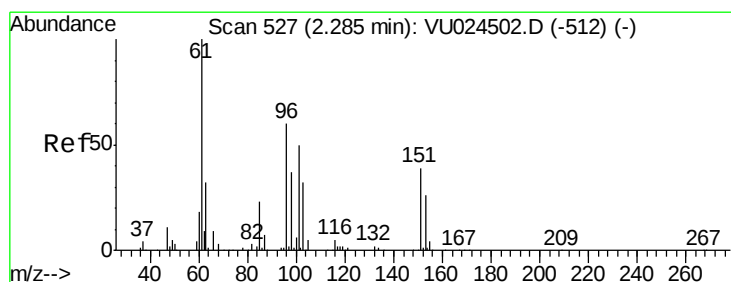
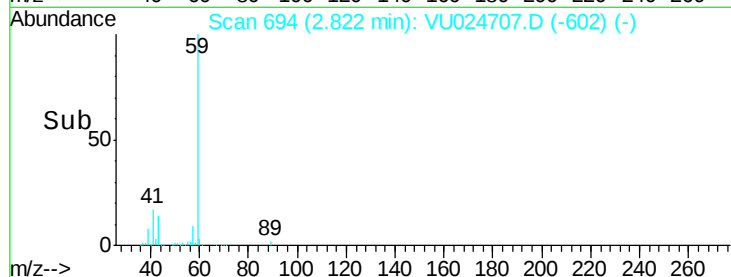
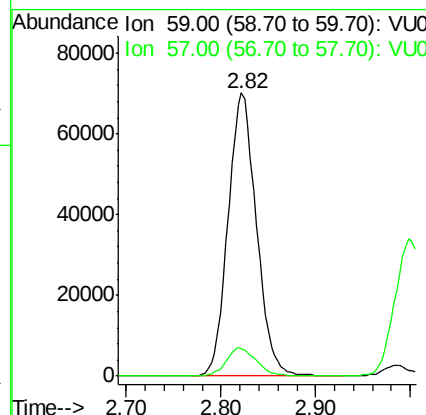
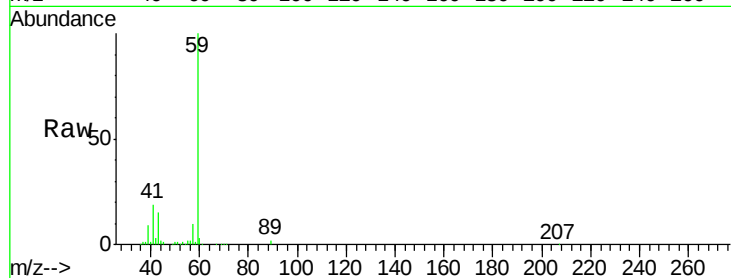
#11
Tert butyl alcohol
Concen: 233.46 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7

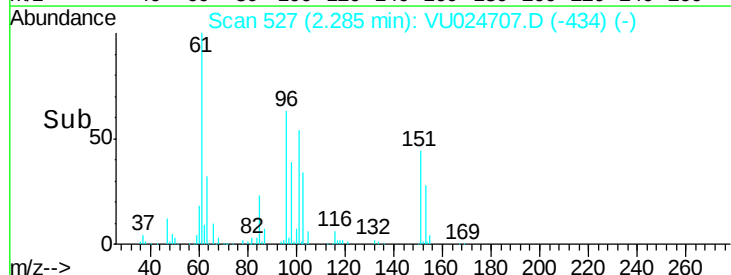
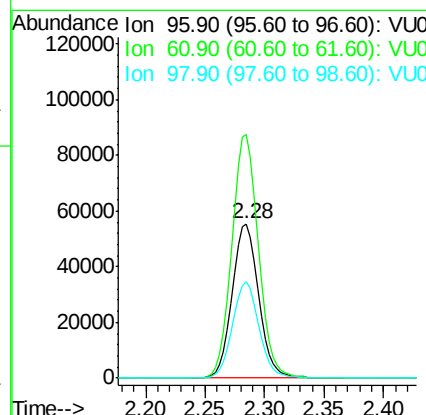
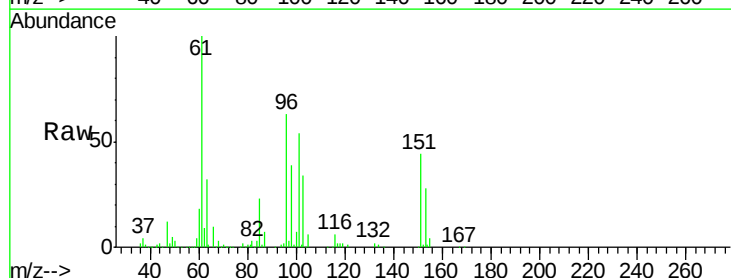
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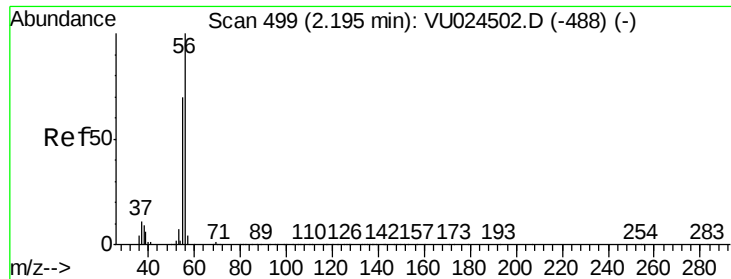
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.77 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.5	141.7	212.5
98	62.1	51.6	77.4





#13

Acrolein

Concen: 130.98 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 43098

Ion Ratio Lower Upper

56 100

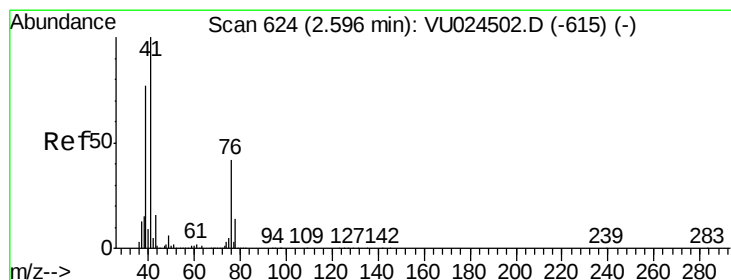
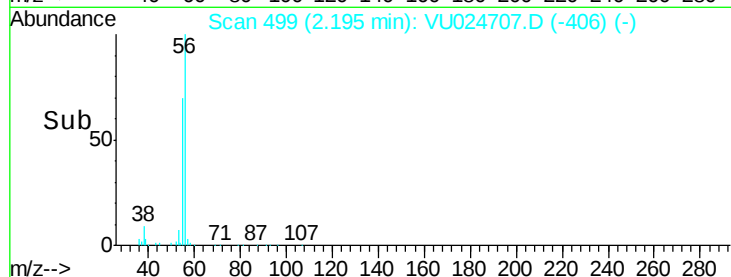
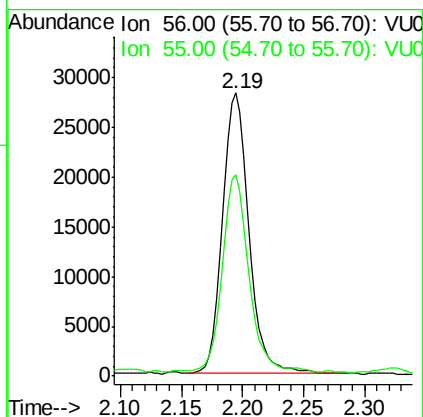
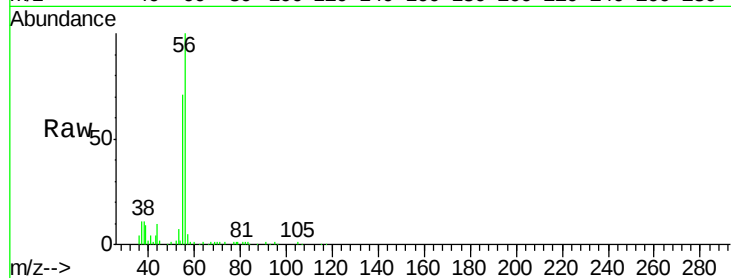
55 70.3 58.4 87.6

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6/19/2018 1:55:06 PM



#14

Allyl chloride

Concen: 39.69 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

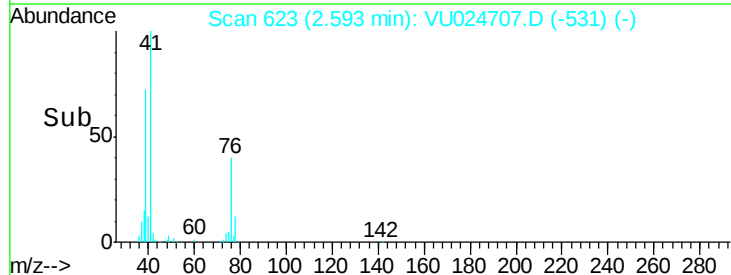
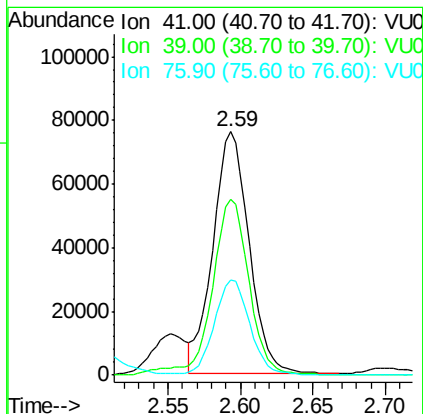
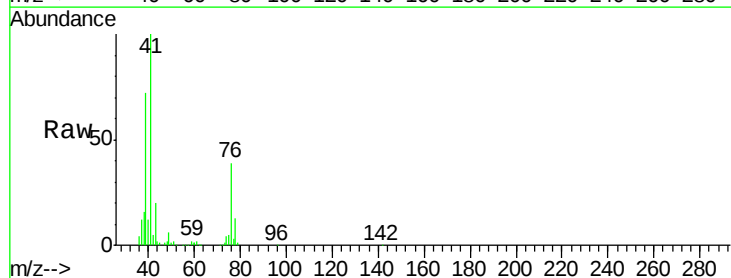
Tgt Ion: 41 Resp: 132444

Ion Ratio Lower Upper

41 100

39 73.1 61.6 92.4

76 38.1 29.7 44.5





#15

Acrylonitrile

Concen: 269.85 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

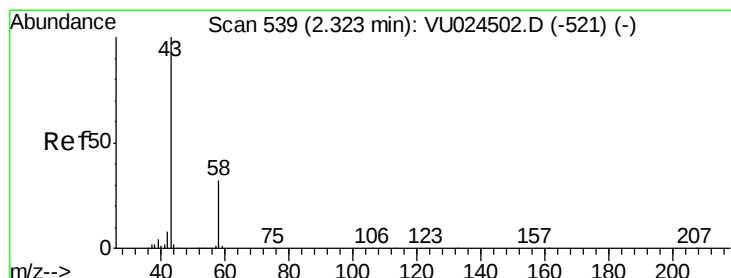
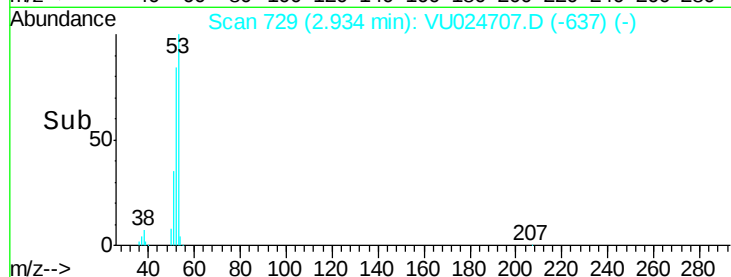
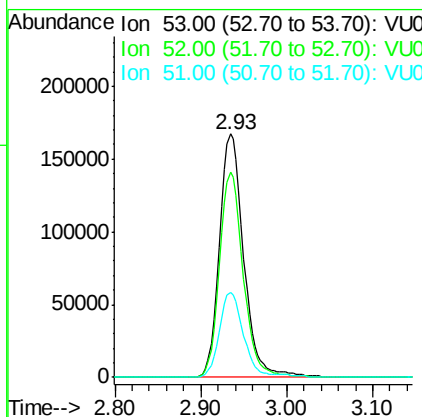
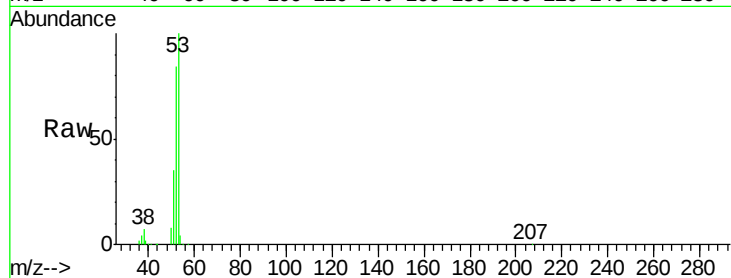
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	328988
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.1	100.7
51	33.9	28.4	42.6

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#16

Acetone

Concen: 202.59 ug/l

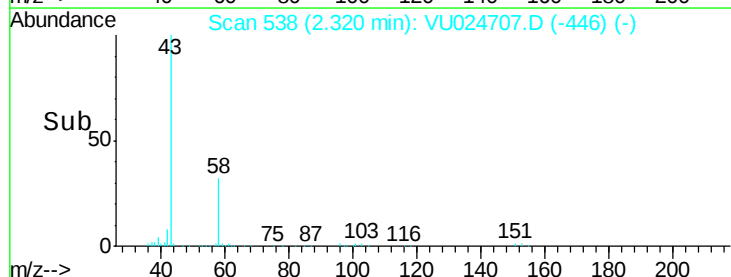
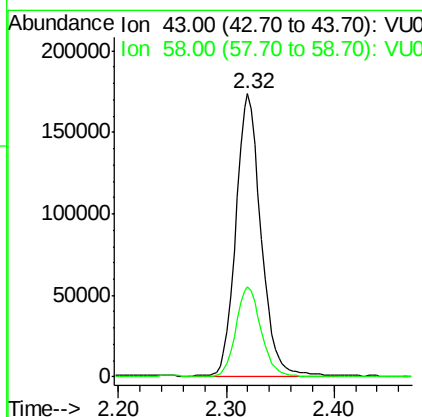
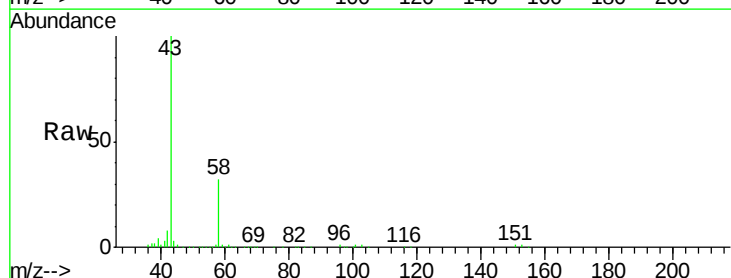
RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Tgt Ion:	43	Resp:	280454
Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.4	36.6





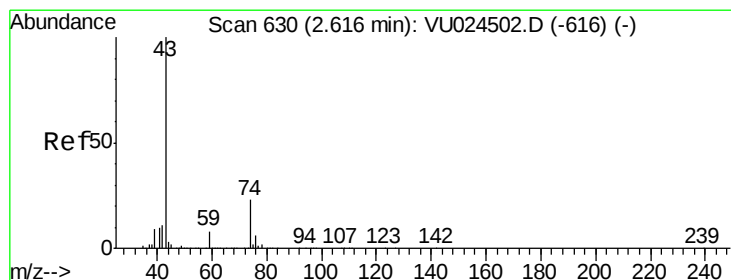
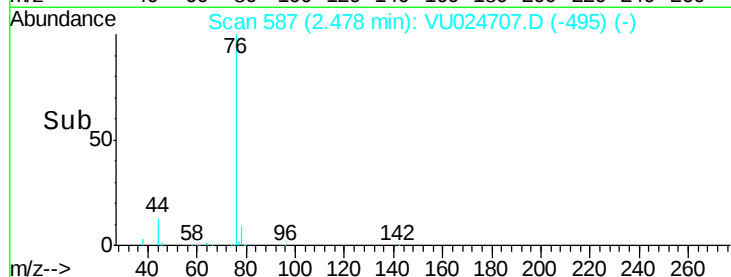
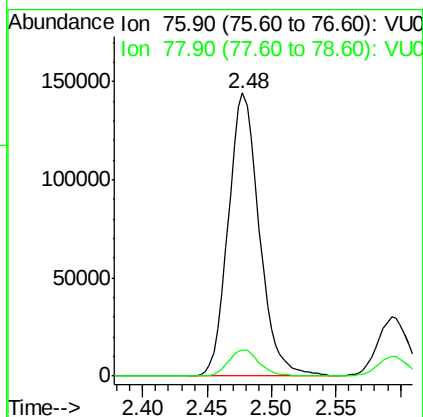
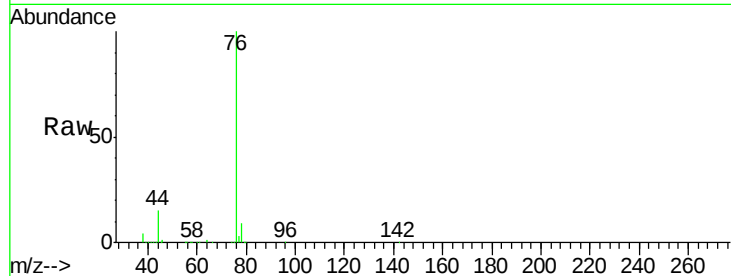
#17
Carbon Disulfide
Concen: 41.97 ug/l
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

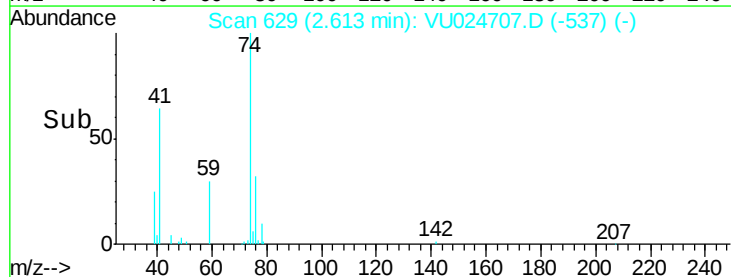
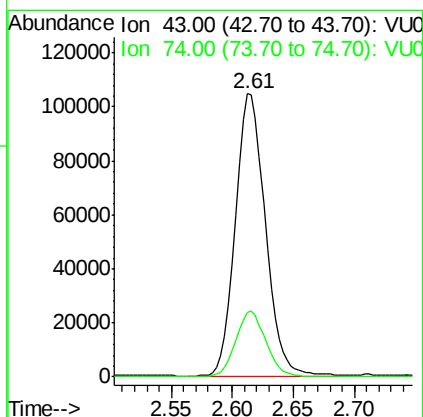
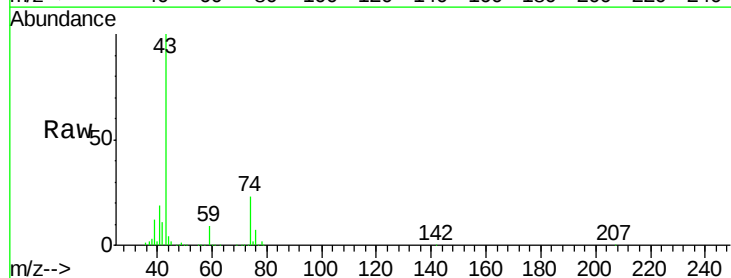
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#18
Methyl Acetate
Concen: 60.09 ug/l
RT: 2.61 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.0	27.0





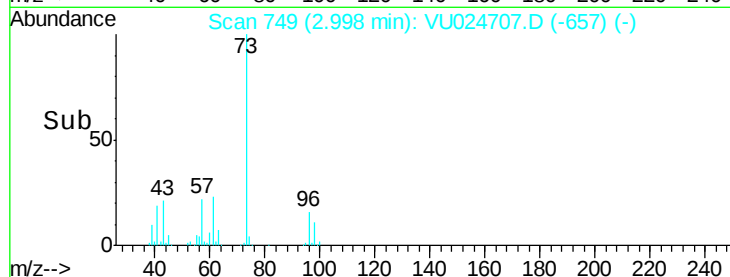
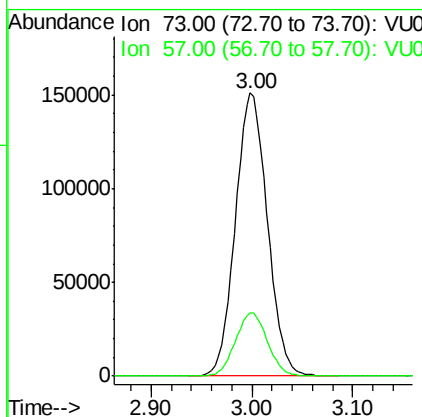
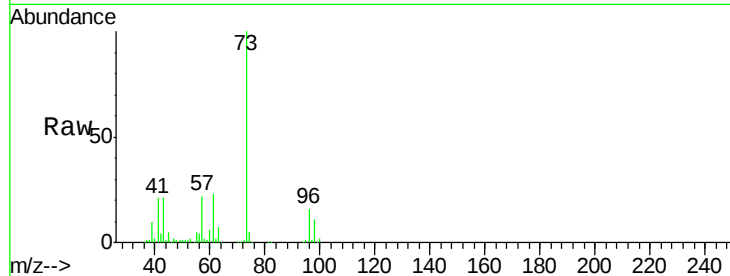
#19
Methvl tert-butvl Ether
Concen: 49.14 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 331964
Ion Ratio Lower Upper
73 100
57 22.4 18.8 28.2

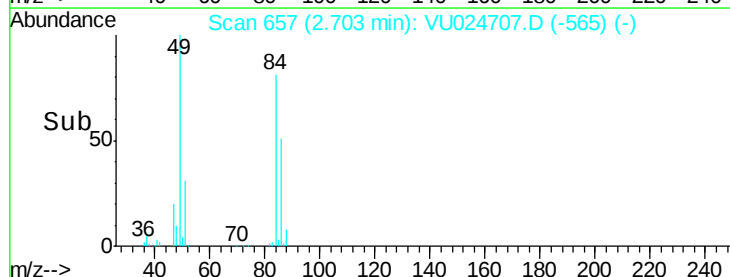
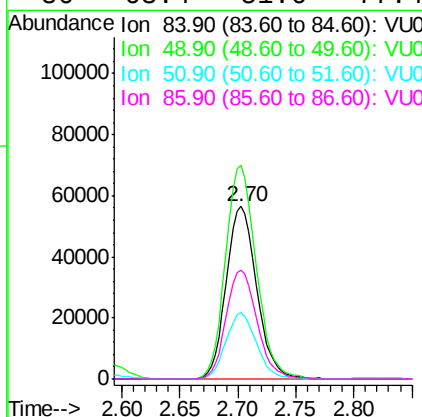
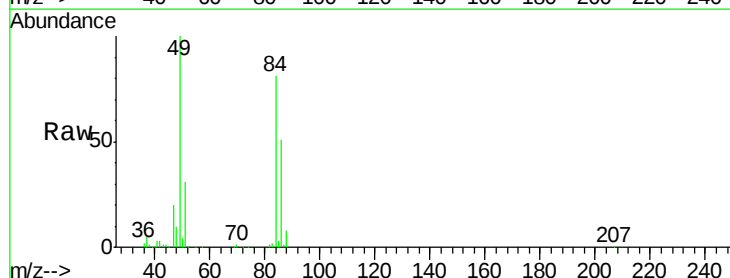
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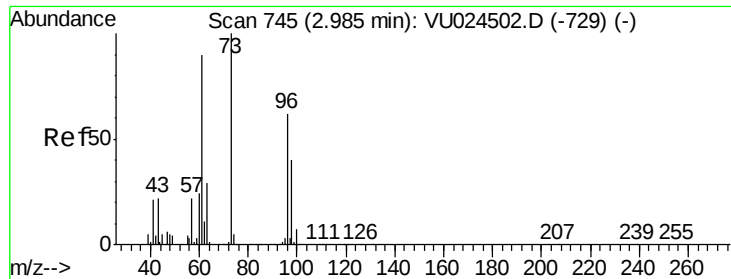
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#20
Methylene Chloride
Concen: 47.42 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion: 84 Resp: 102994
Ion Ratio Lower Upper
84 100
49 123.9 103.8 155.8
51 38.6 32.0 48.0
86 63.4 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 46.21 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

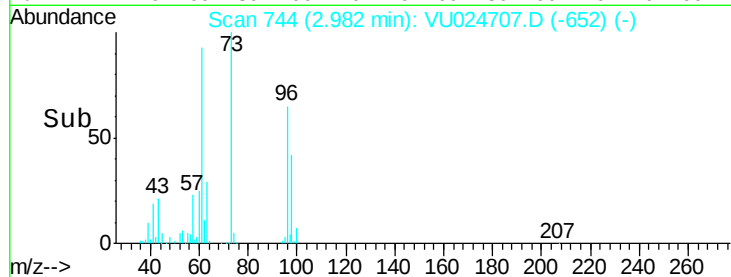
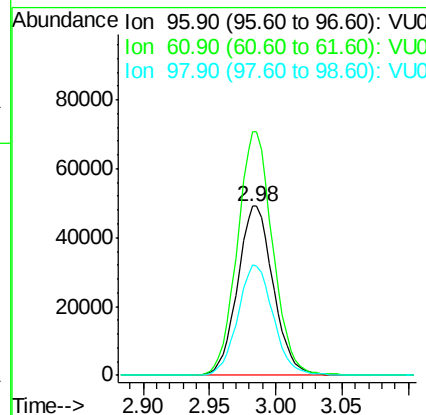
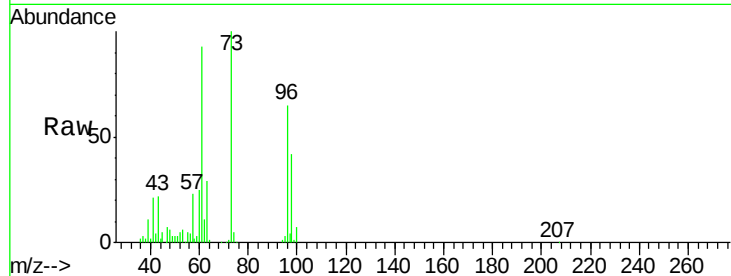
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	91469
Ion	Ratio	Lower	Upper
96	100		
61	143.7	119.4	179.0
98	64.9	51.1	76.7

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#22

Diisopropyl ether

Concen: 50.40 ug/l

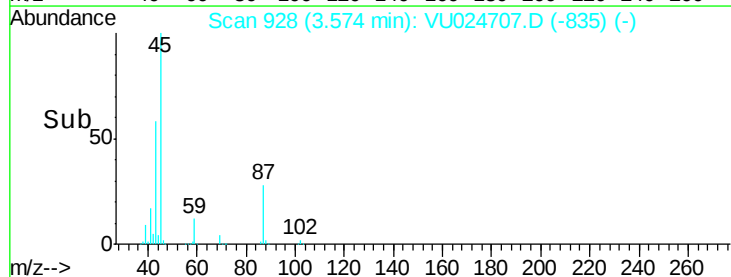
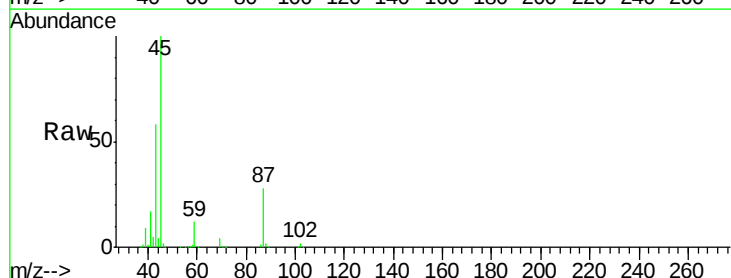
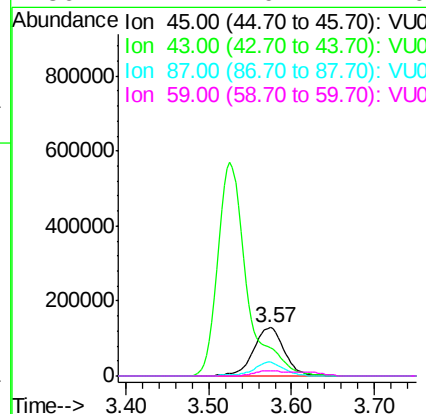
RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Tgt Ion:	45	Resp:	333343
Ion	Ratio	Lower	Upper
45	100		
43	57.1	45.8	68.6
87	28.2	20.6	31.0
59	11.7	9.4	14.0





#23

Vinyl Acetate

Concen: 234.23 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1387818

Ion Ratio Lower Upper

43 100

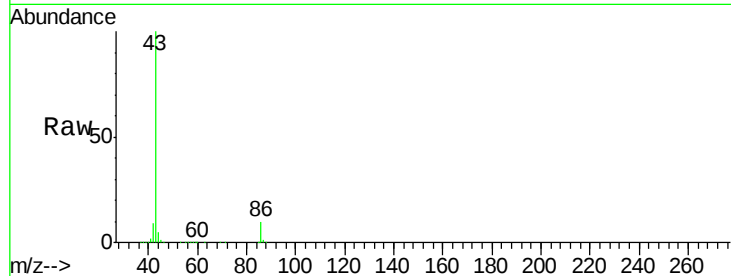
86 10.4 7.8 11.8

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

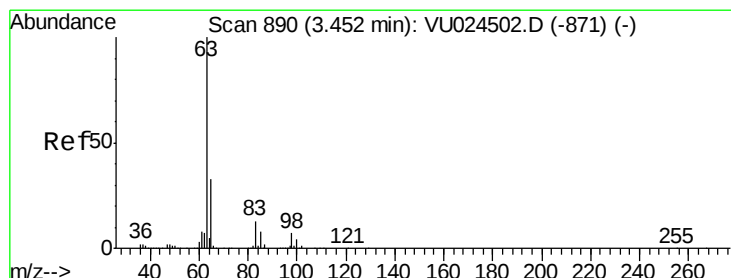
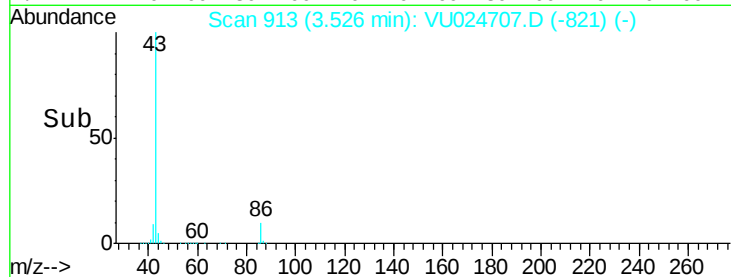
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.80 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

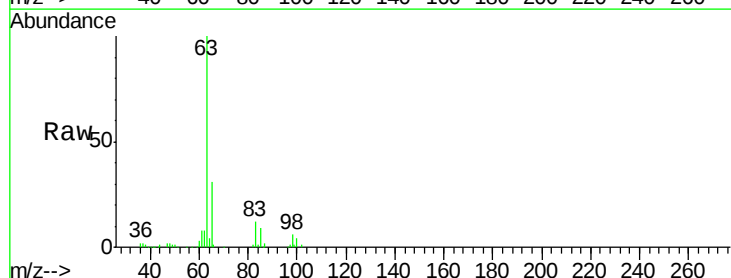
Tgt Ion: 63 Resp: 185685

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

100 4.4 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

100000

80000

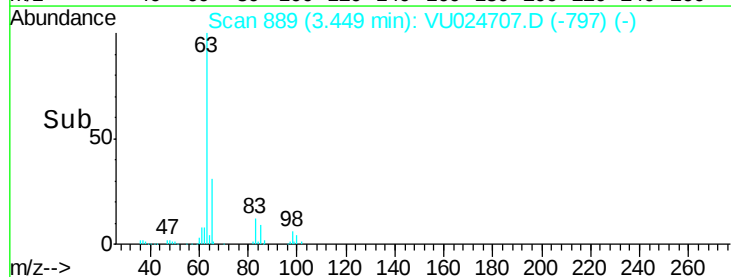
60000

40000

20000

0

Time-->





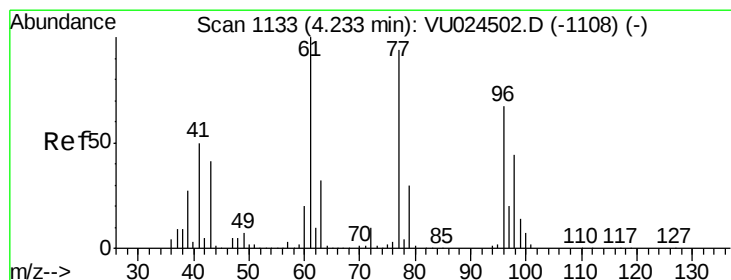
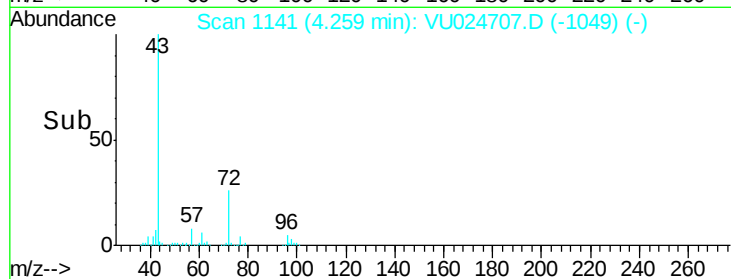
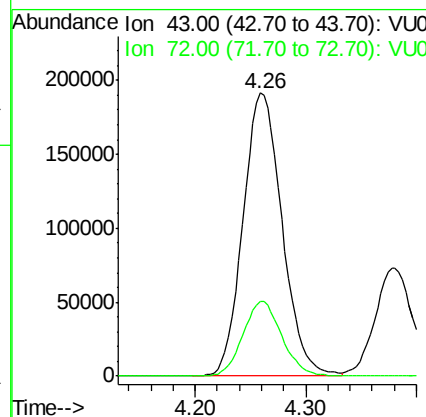
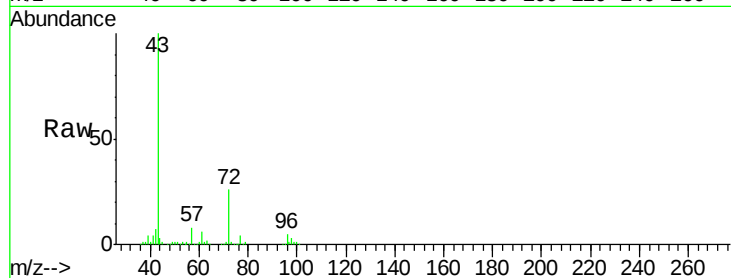
#25
2-Butanone
Concen: 251.30 ug/l
RT: 4.26 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 467279
Ion Ratio Lower Upper
43 100
72 26.2 19.6 29.4

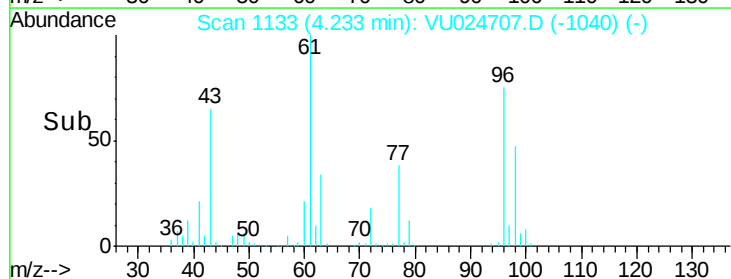
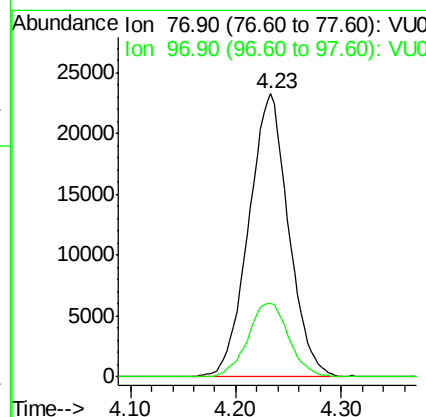
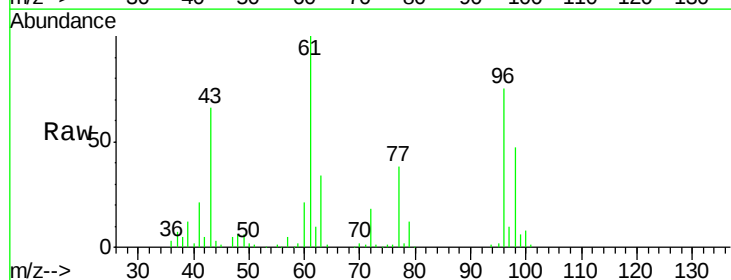
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#26
2,2-Dichloropropane
Concen: 16.92 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion: 77 Resp: 61130
Ion Ratio Lower Upper
77 100
97 26.7 11.3 33.8





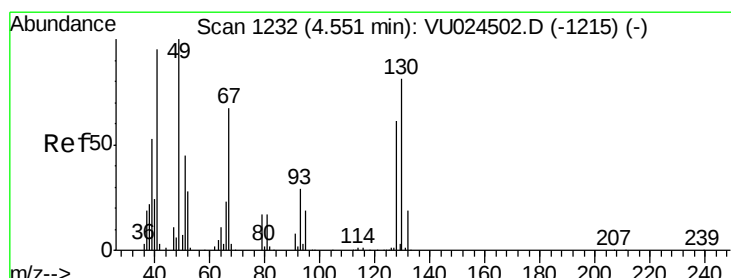
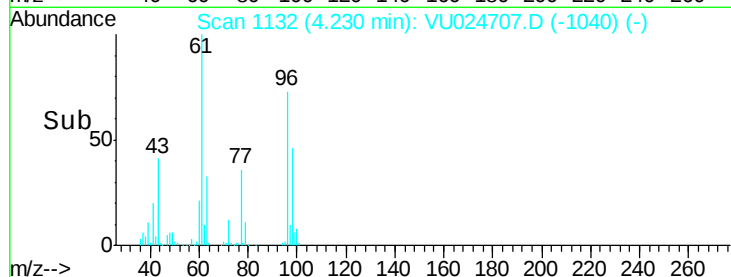
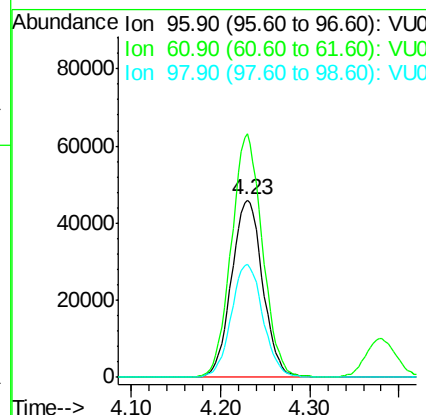
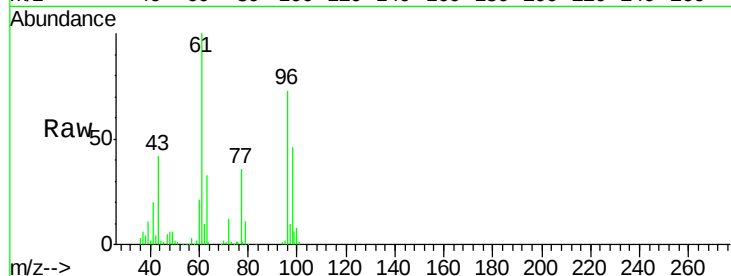
#27
 cis-1,2-Dichloroethene
 Concen: 49.07 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.4	0.0	306.6
98	64.5	0.0	128.8

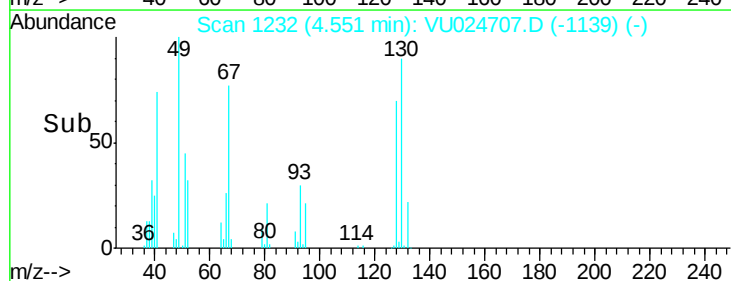
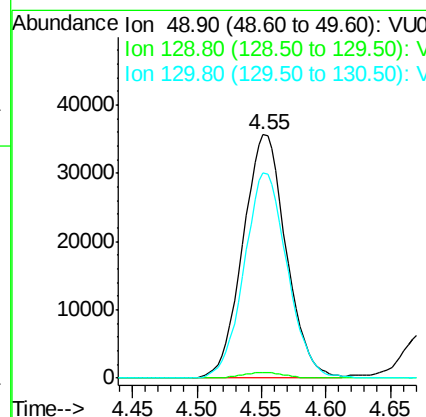
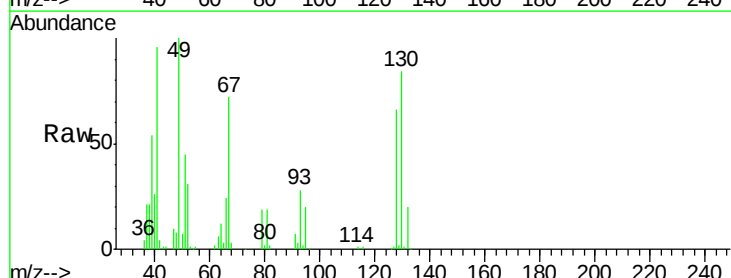
Manual Integrations
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#28
 Bromochloromethane
 Concen: 49.73 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	84.0	57.8	86.6





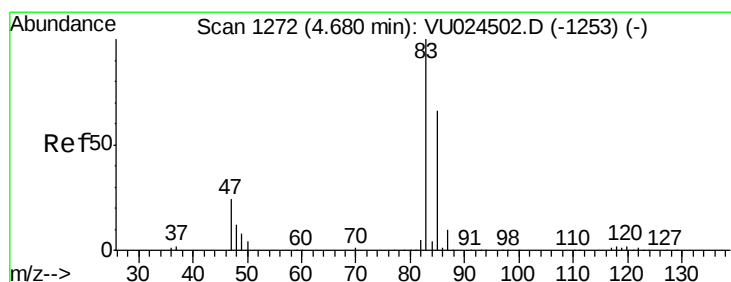
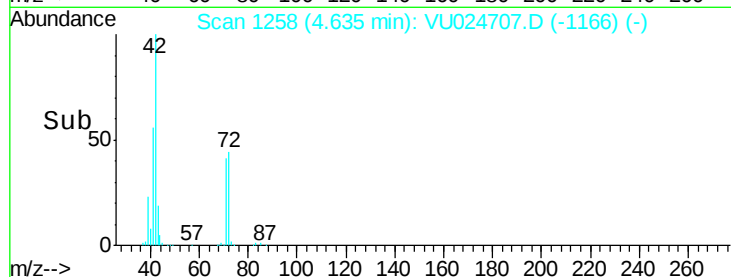
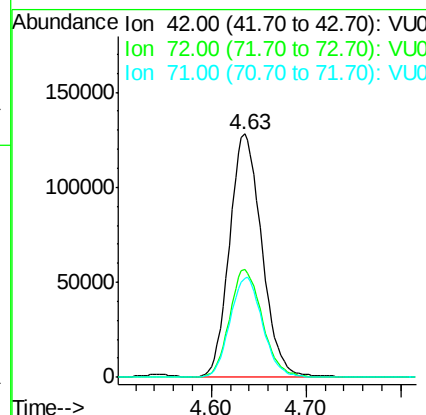
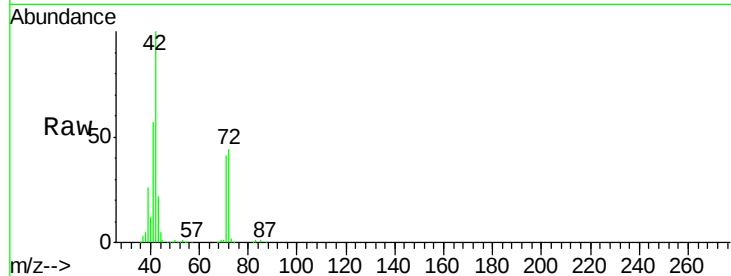
#29
Tetrahydrofuran
Concen: 261.86 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	34.5	51.7
71	41.7	32.2	48.4

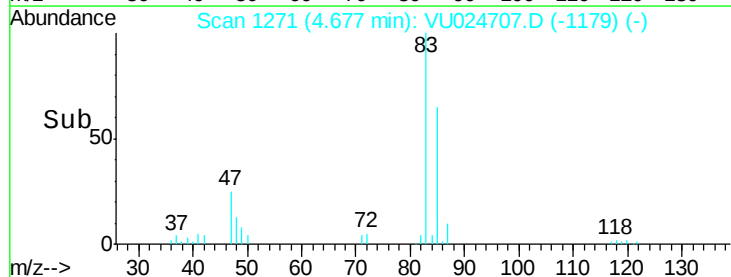
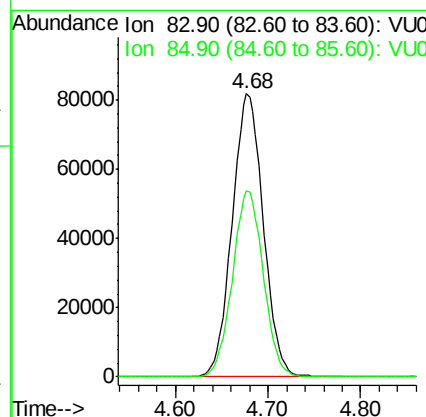
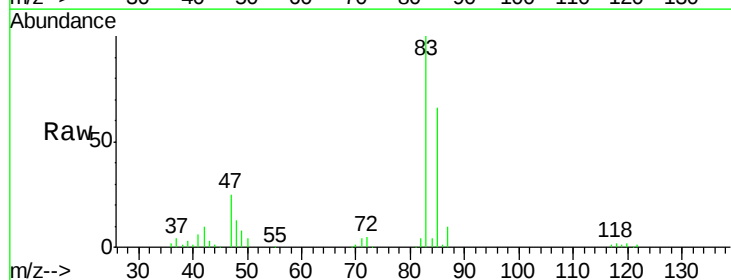
Manual Integrations
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#30
Chloroform
Concen: 49.45 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.4	78.6





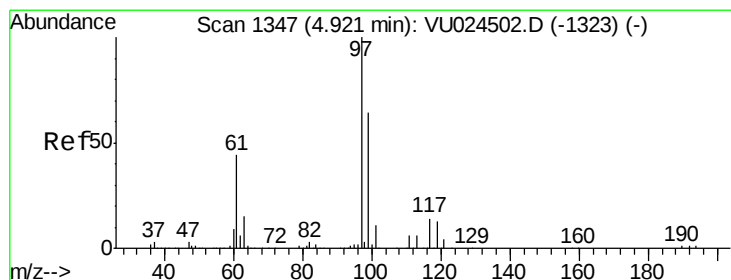
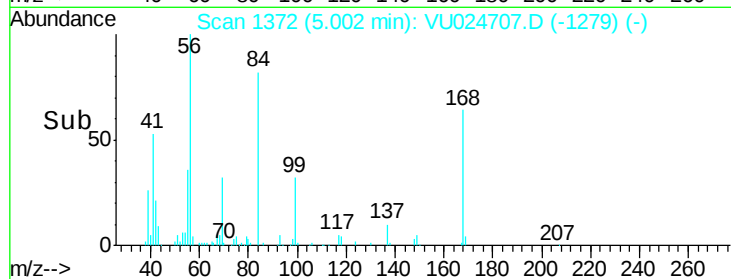
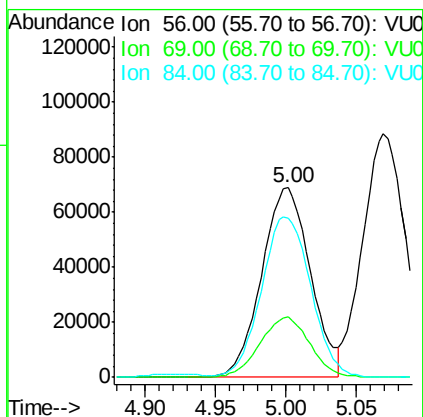
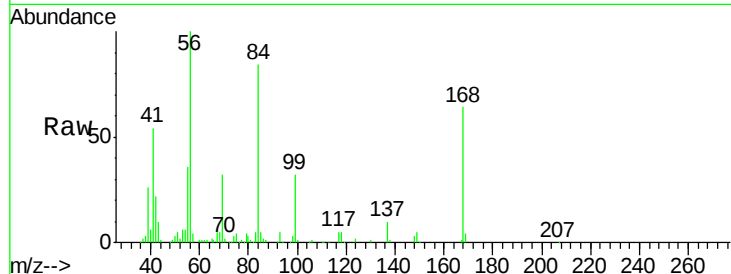
#31
Cyclohexane
Concen: 49.19 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.8	37.2
84	82.3	65.2	97.8

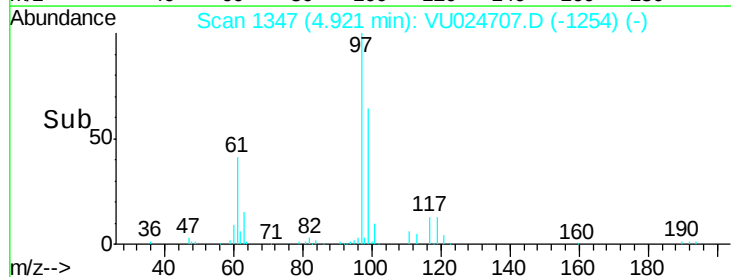
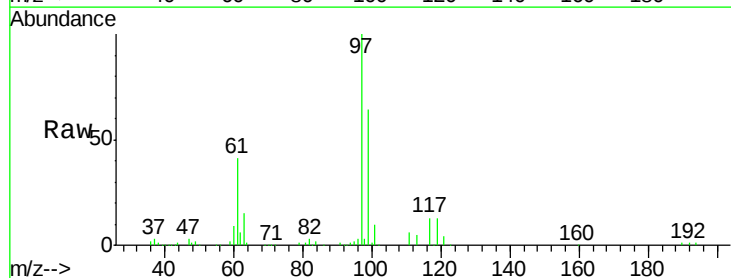
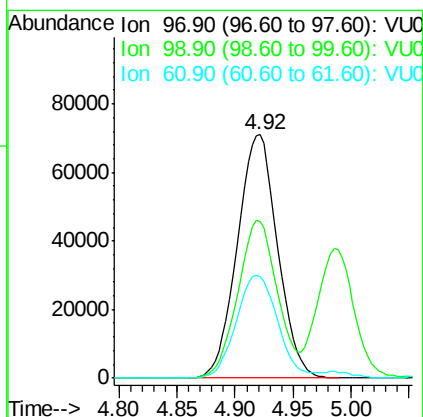
Manual Integrations
APPROVED

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6/19/2018 1:55:06 PM



#32
1,1,1-Trichloroethane
Concen: 48.14 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	43.2	39.4	59.0





#33

1,2-Dichloroethane-d4

Concen: 48.45 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 124818

Ion Ratio Lower Upper

65 100

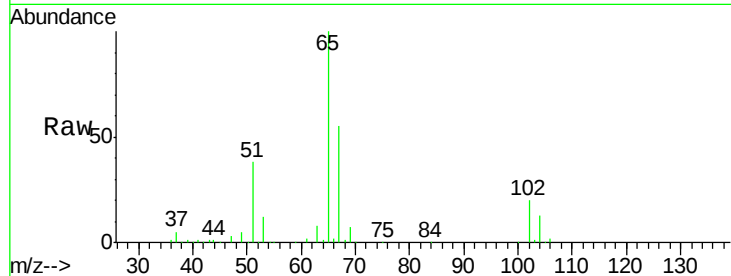
67 54.6 0.0 107.0

Manual Integrations

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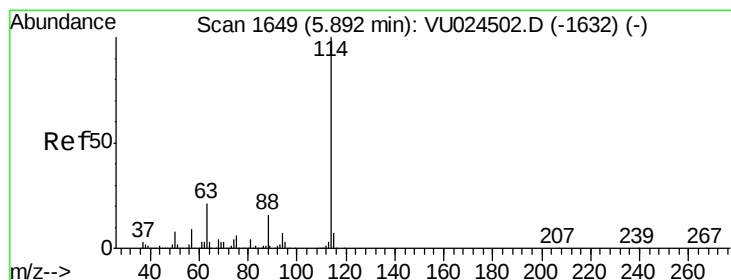
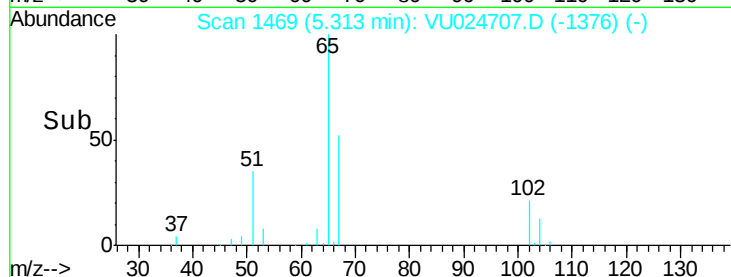
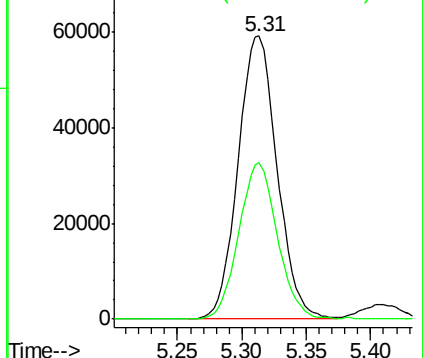
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VU024707.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU024707.D (-1376) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

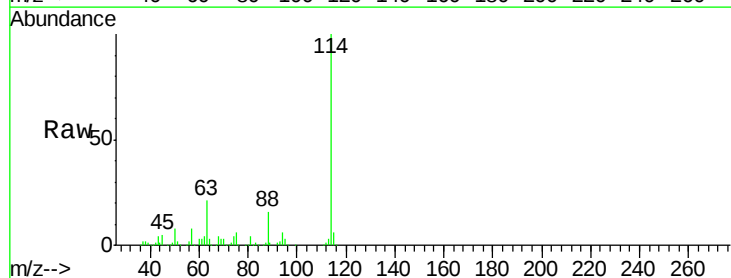
Tgt Ion: 114 Resp: 258039

Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.4

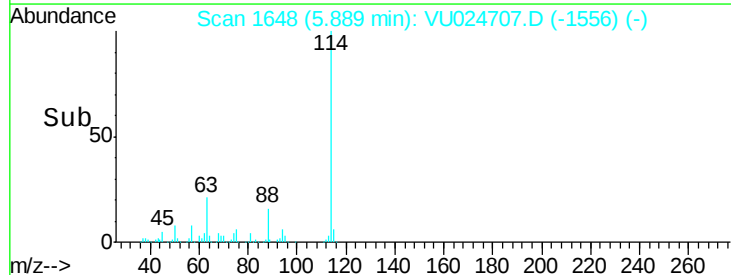
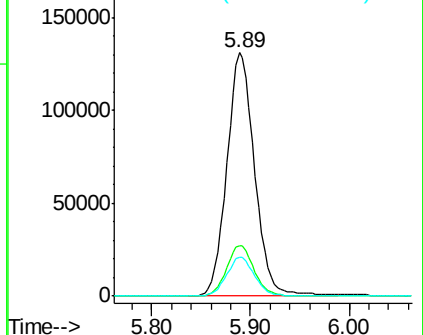
88 16.2 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU024707.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU024707.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU024707.D (-1556) (-)





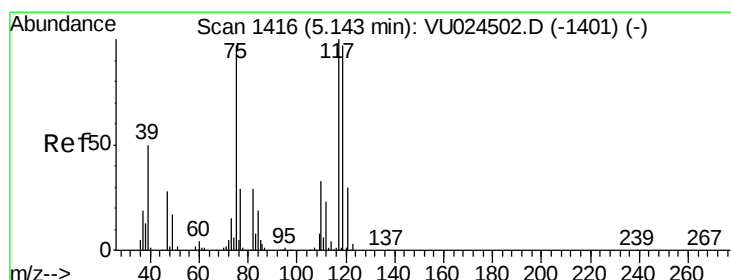
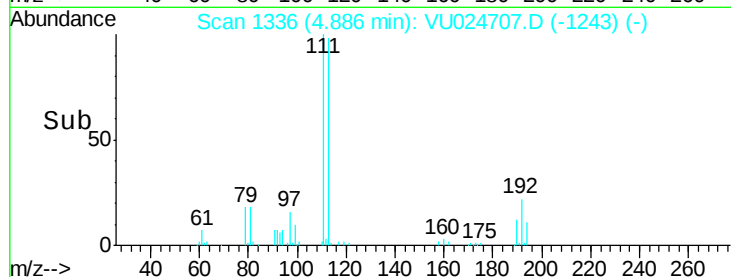
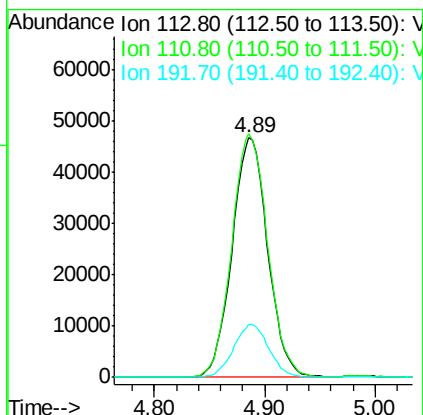
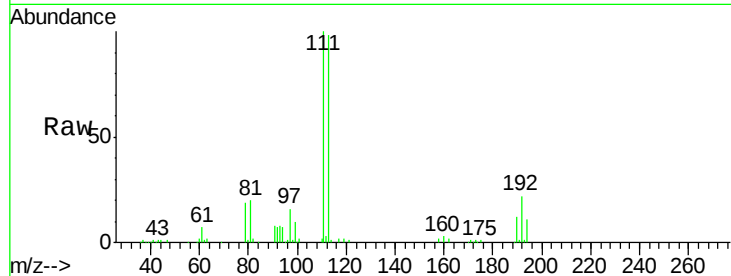
#35
 Dibromofluoromethane
 Concen: 48.73 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	21.9	16.2	24.4

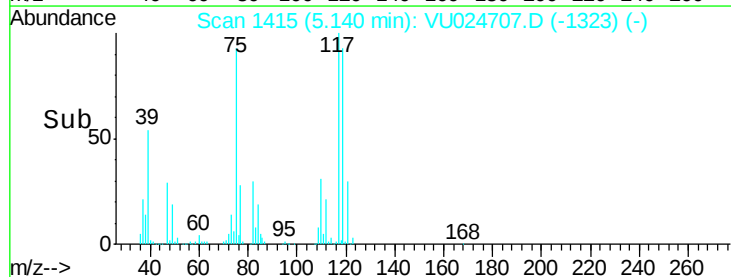
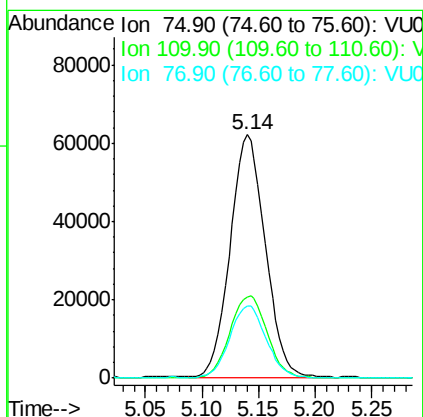
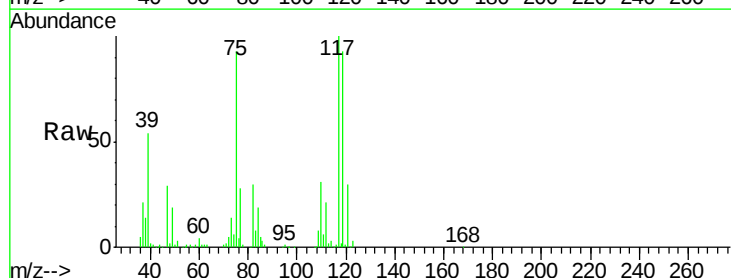
Manual Integrations
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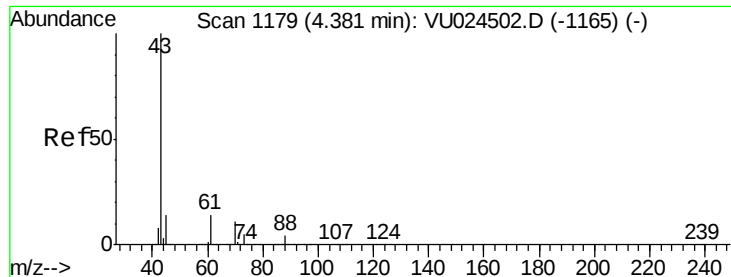
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#36
 1,1-Dichloropropene
 Concen: 44.03 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.0	50.9
77	30.9	24.2	36.4





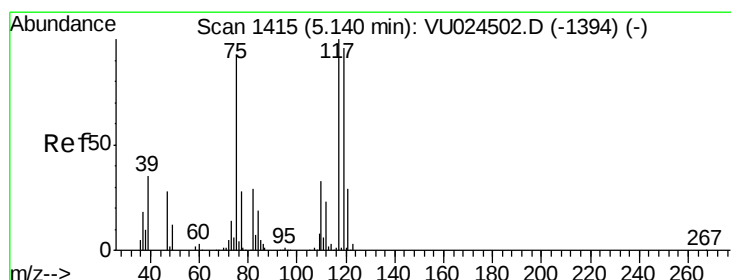
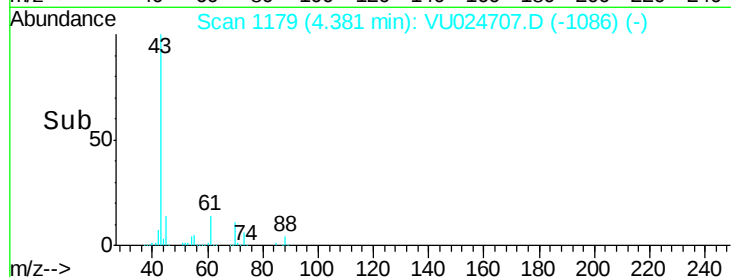
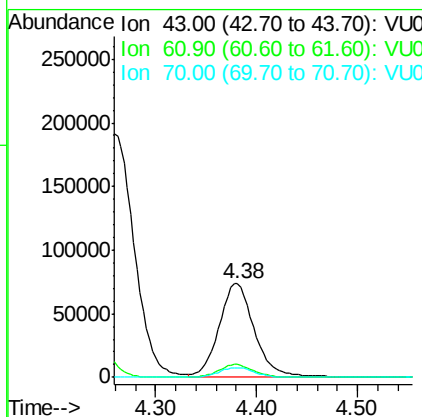
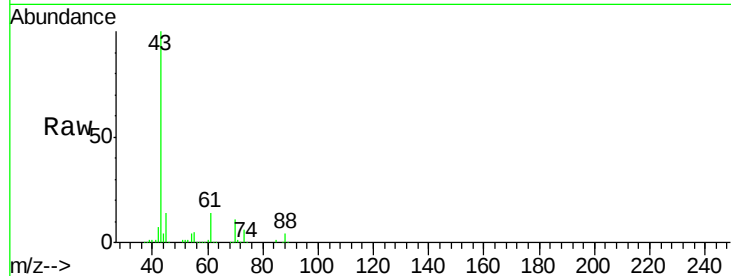
#37
Ethyl Acetate
Concen: 53.32 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	10.4	7.4	11.2

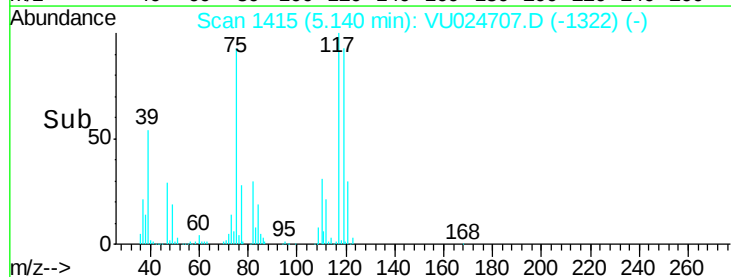
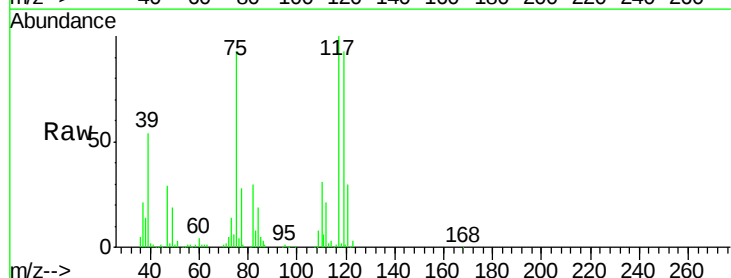
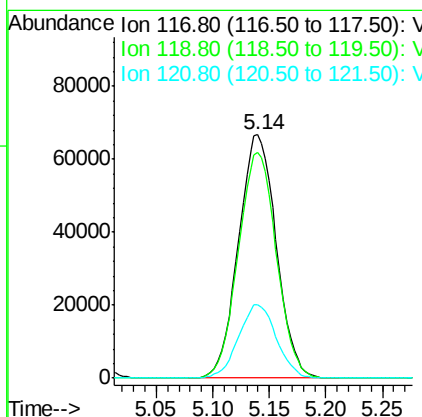
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 46.51 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.1	114.1
121	30.2	23.7	35.5





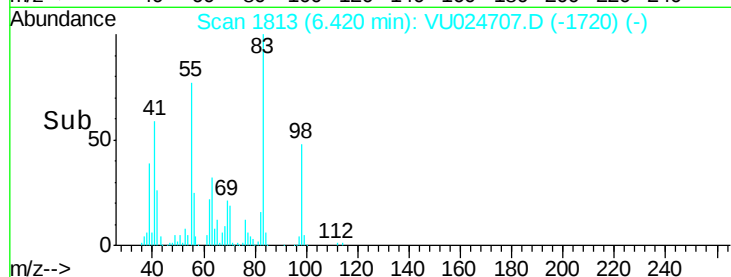
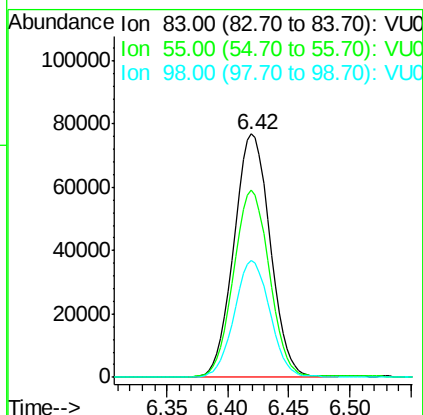
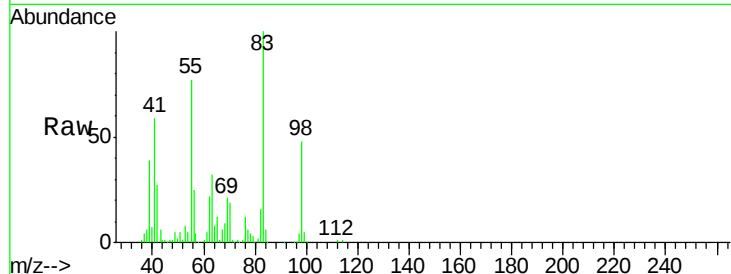
#39
Methylvlcyclohexane
Concen: 42.04 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	65.8	98.6
98	47.9	36.7	55.1

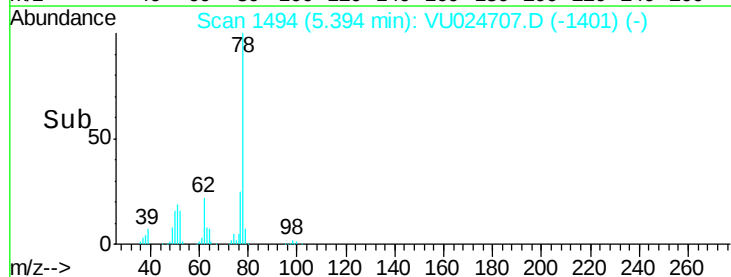
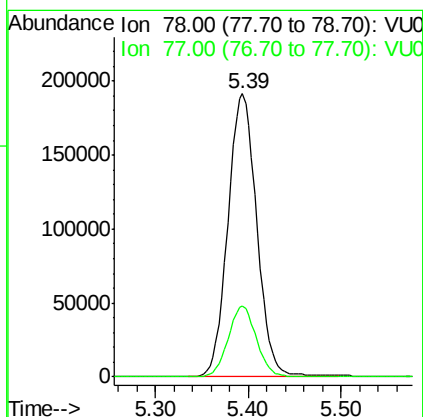
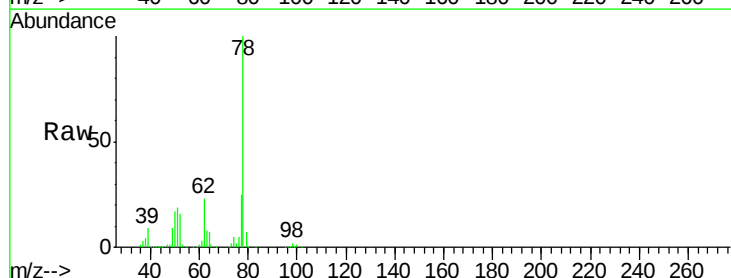
Manual Integrations
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#40
Benzene
Concen: 47.92 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.2	28.8





#41

Methacrylonitrile

Concen: 53.18 ug/l

RT: 4.54 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

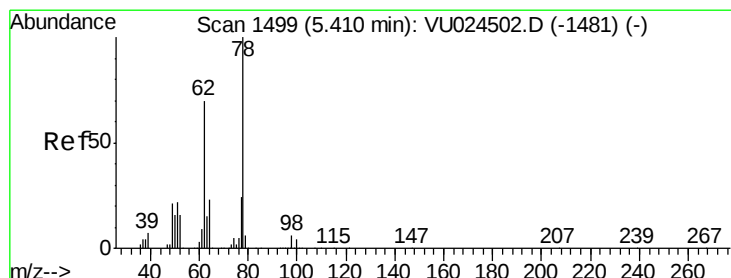
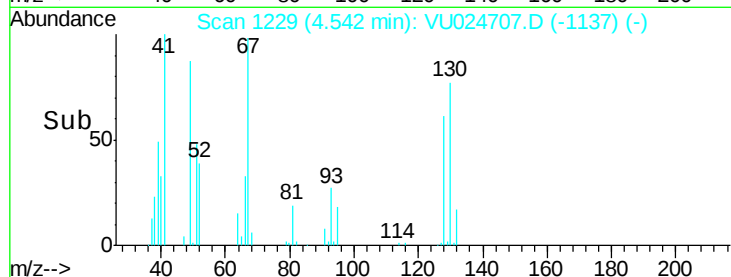
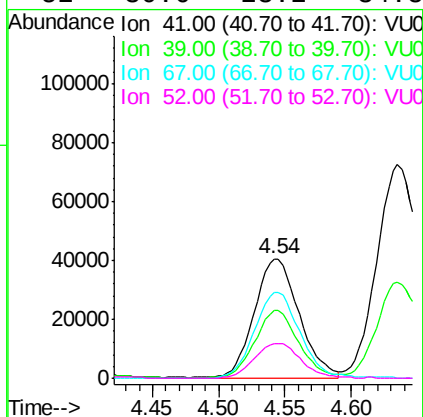
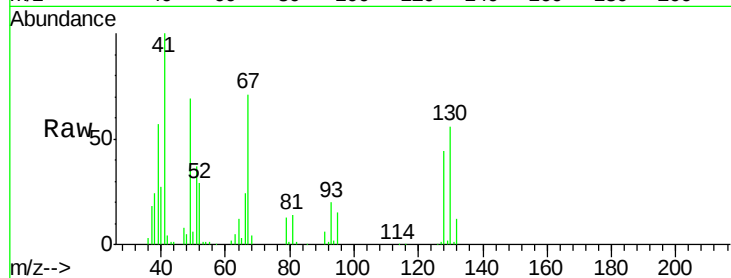
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.8	43.8	65.6	
67	74.5	56.3	84.5	
52	30.6	23.2	34.8	

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#42

1,2-Dichloroethane

Concen: 47.21 ug/l

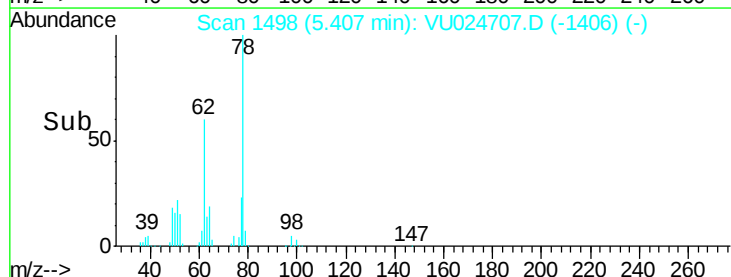
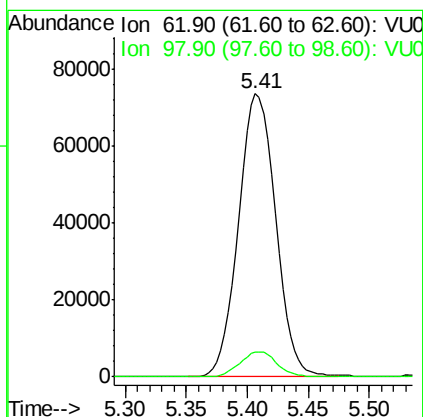
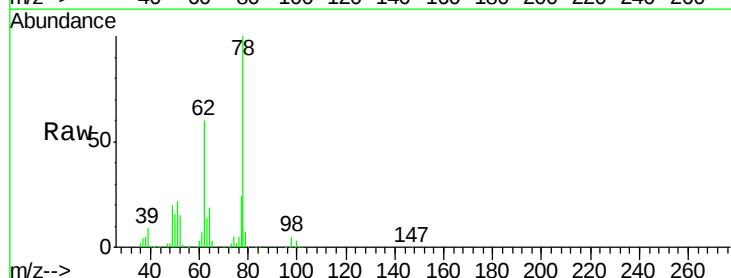
RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	16.6	





#43

Isopropyl Acetate

Concen: 49.26 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

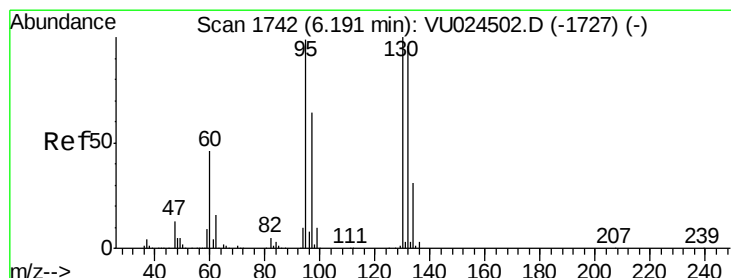
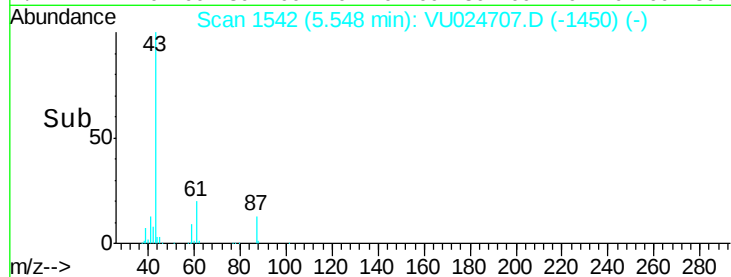
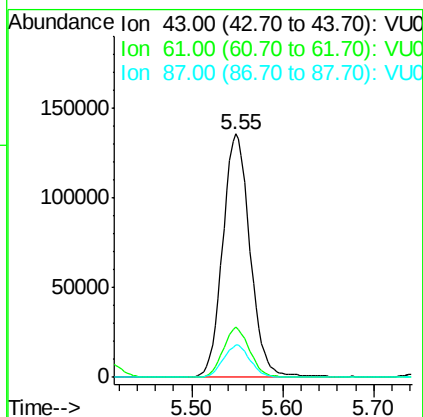
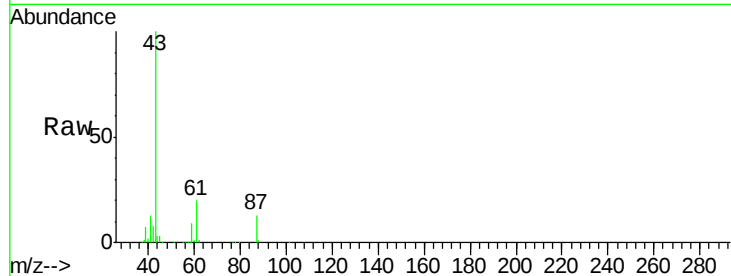
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	281381
Ion Ratio	Lower	Upper	
43	100		
61	20.2	15.4	23.0
87	13.1	10.0	15.0

Manual Integrations
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#44

Trichloroethene

Concen: 46.04 ug/l

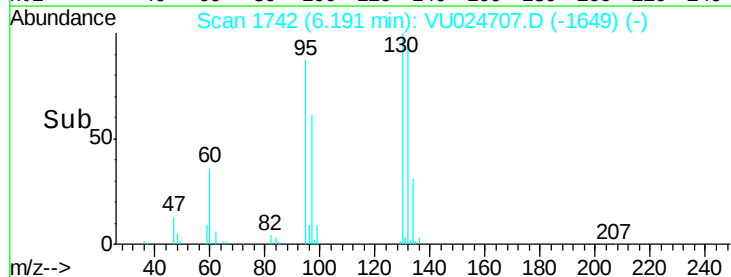
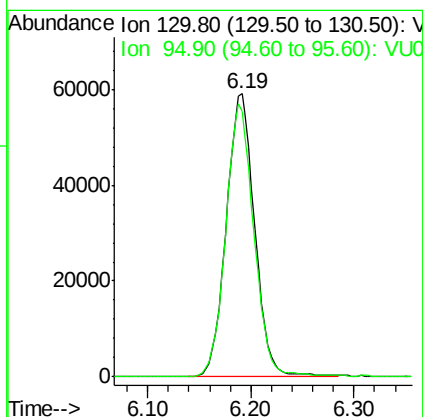
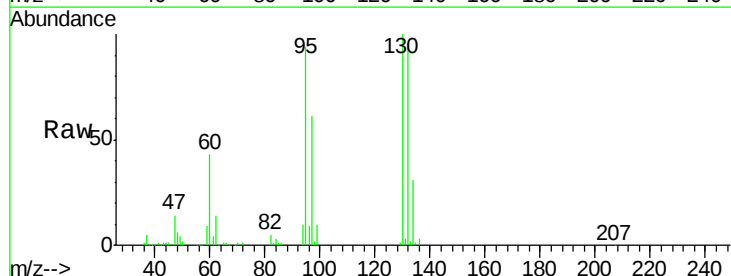
RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Tgt Ion:	130	Resp:	113214
Ion Ratio	Lower	Upper	
130	100		
95	93.7	0.0	202.4





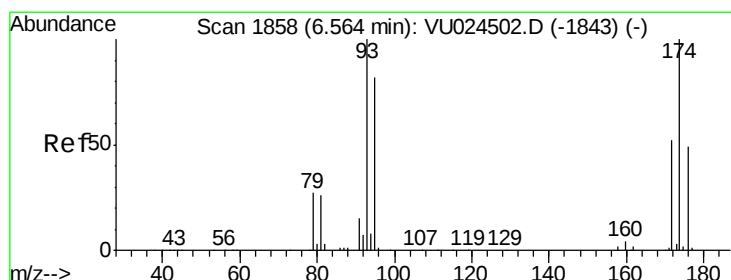
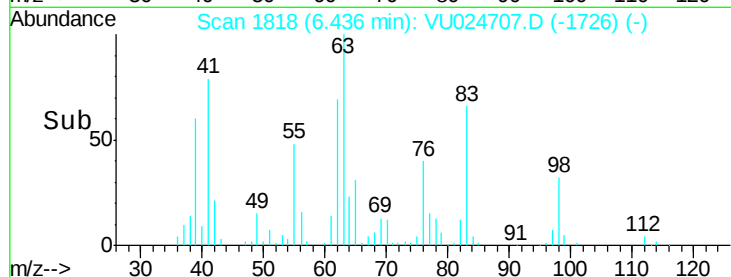
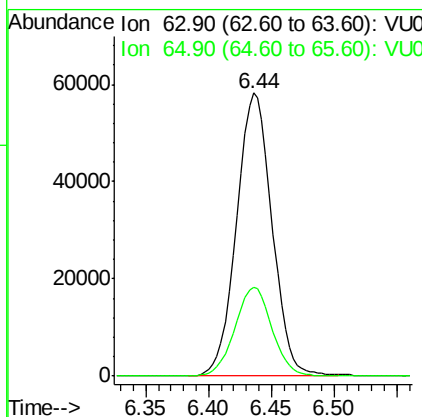
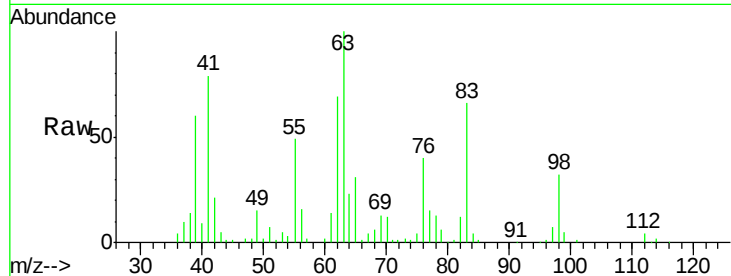
#45
 1,2-Dichloropropane
 Concen: 49.74 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 114664
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.8 37.2

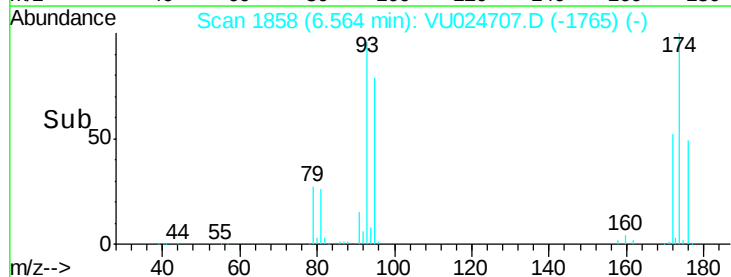
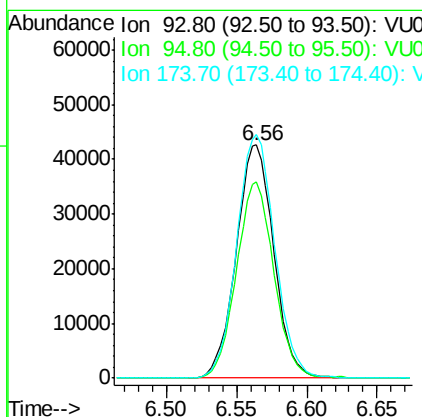
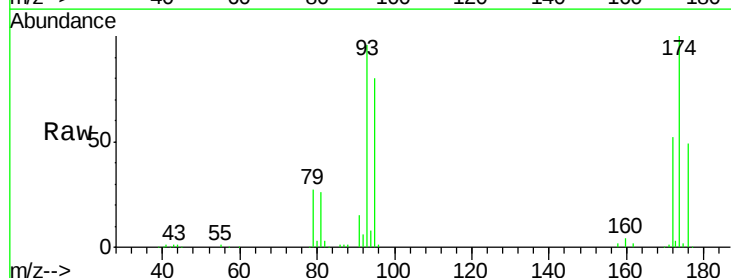
Manual Integrations
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#46
 Dibromomethane
 Concen: 49.17 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion: 93 Resp: 79618
 Ion Ratio Lower Upper
 93 100
 95 84.1 65.5 98.3
 174 105.9 78.7 118.1





#47

Bromodichloromethane

Concen: 48.26 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

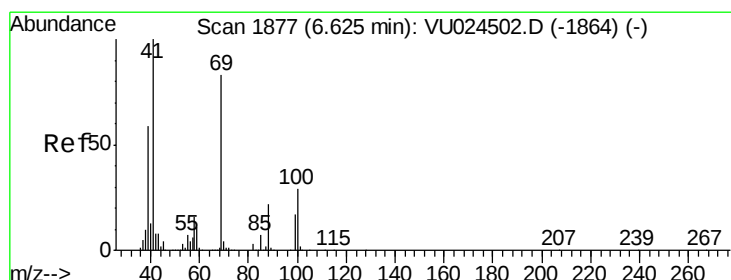
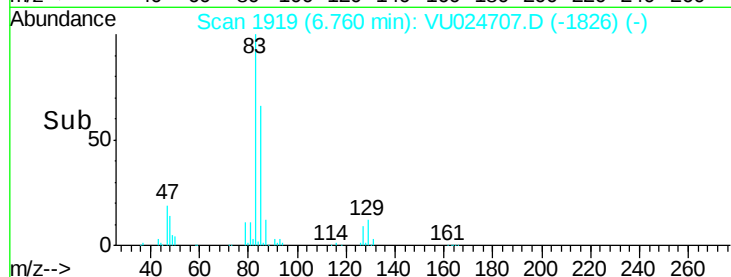
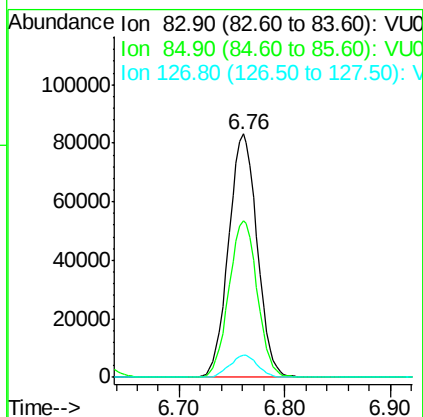
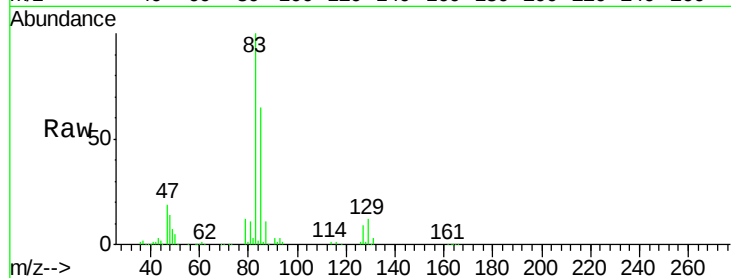
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	155607
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.9	77.9
127	9.1	6.6	9.8

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#48

Methyl methacrylate

Concen: 50.05 ug/l

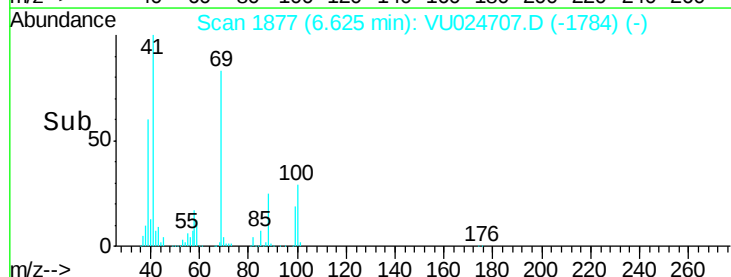
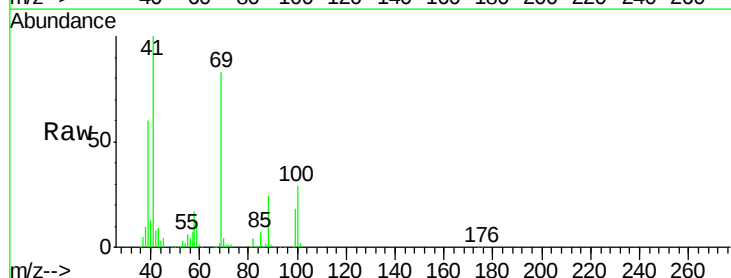
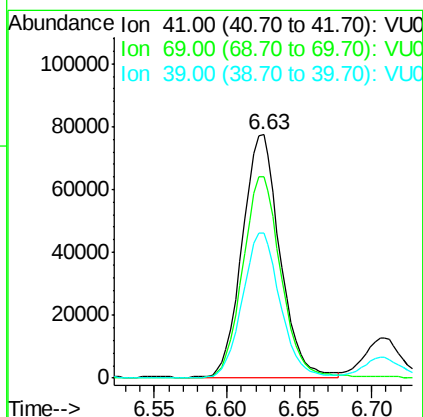
RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Tgt Ion:	41	Resp:	139215
Ion Ratio	Lower	Upper	
41	100		
69	85.4	67.3	100.9
39	59.9	46.5	69.7





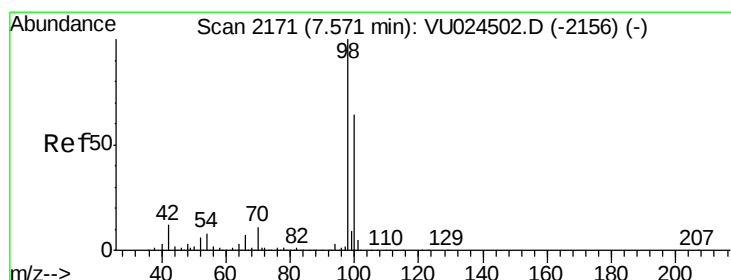
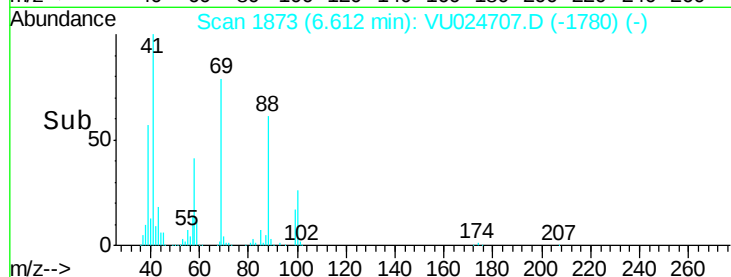
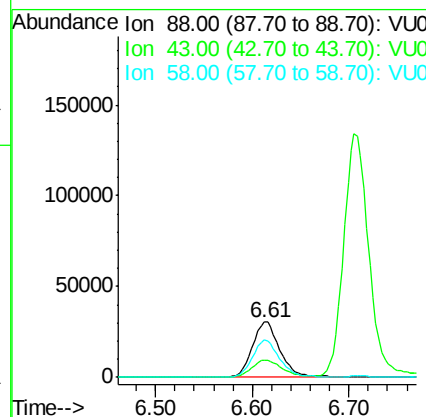
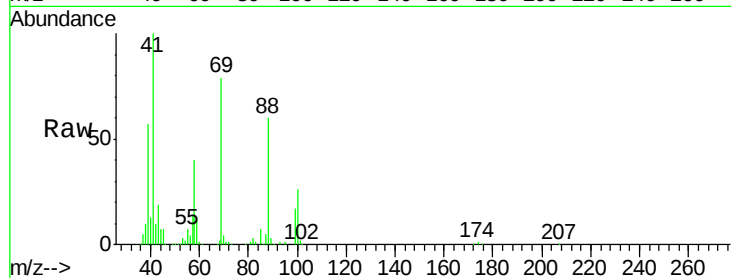
#49
1,4-Dioxane
Concen: 1113.77 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	28.6	42.8
58	66.3	58.2	87.4

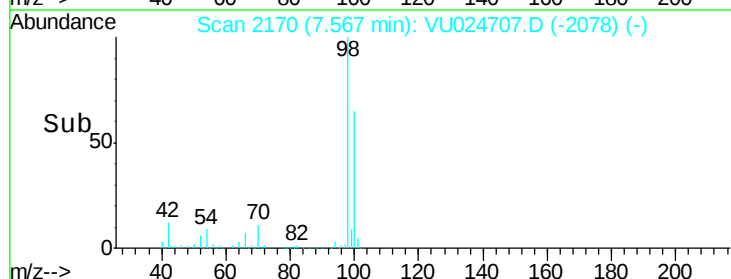
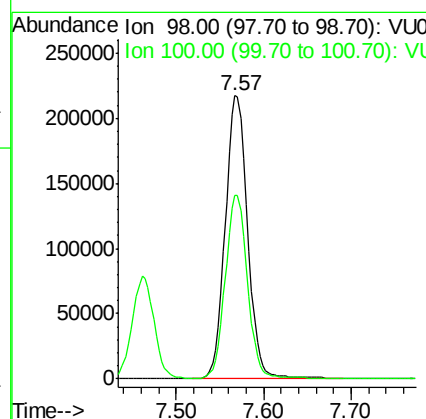
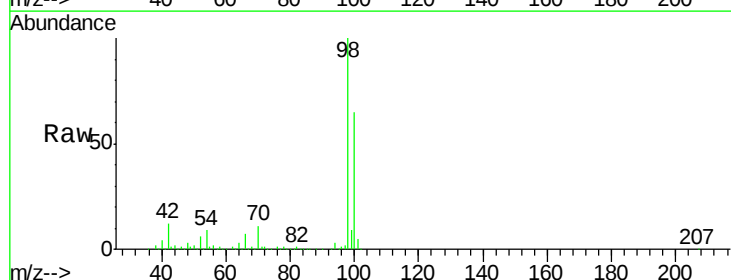
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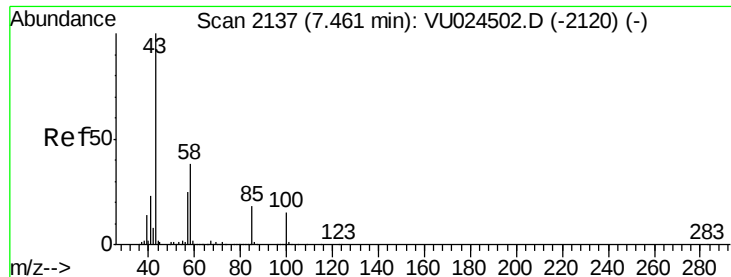
MMDadoda
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#50
Toluene-d8
Concen: 49.63 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.1	76.7





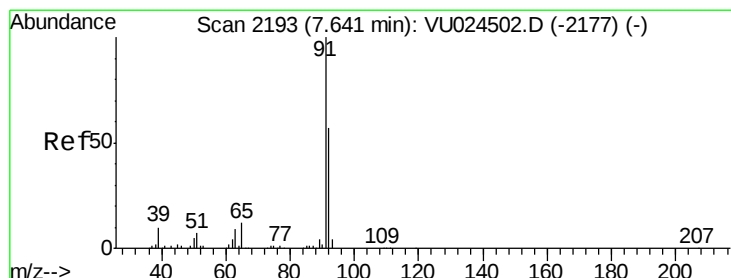
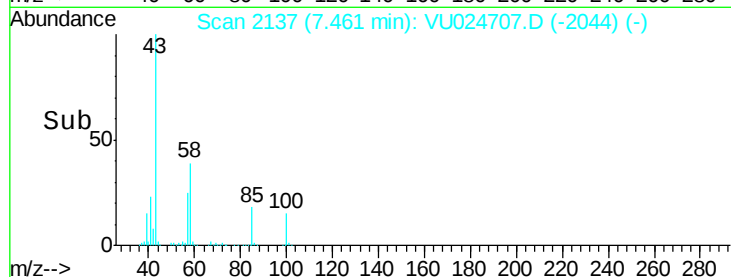
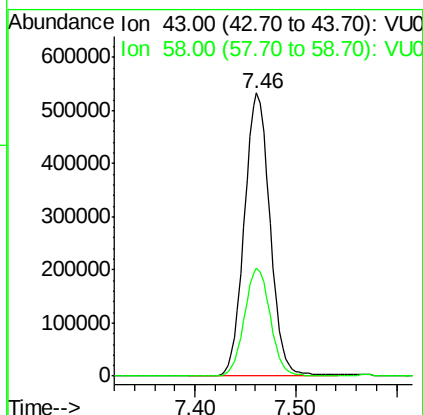
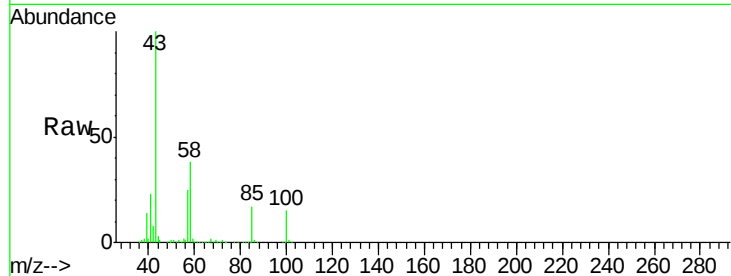
#51
4-Methyl-2-Pentanone
Concen: 260.30 ug/l
RT: 7.46 min Scan# 2137
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.0	45.0

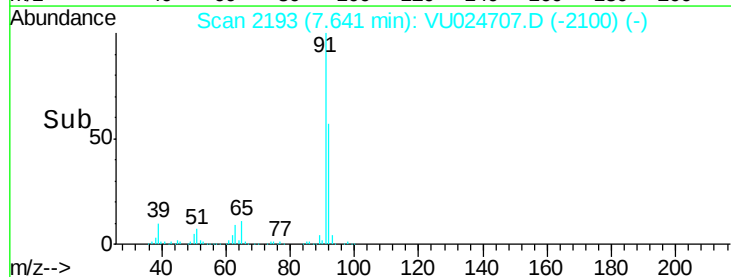
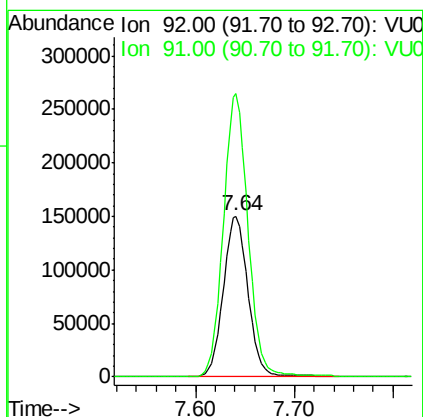
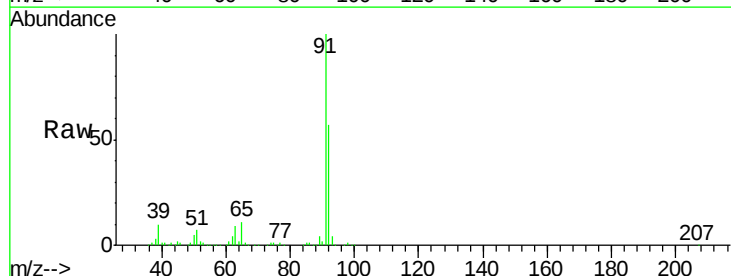
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6/19/2018 1:55:06 PM



#52
Toluene
Concen: 47.78 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.4	140.5	210.7





#53

t-1,3-Dichloropropene

Concen: 42.85 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 155160

Ion Ratio Lower Upper

75 100

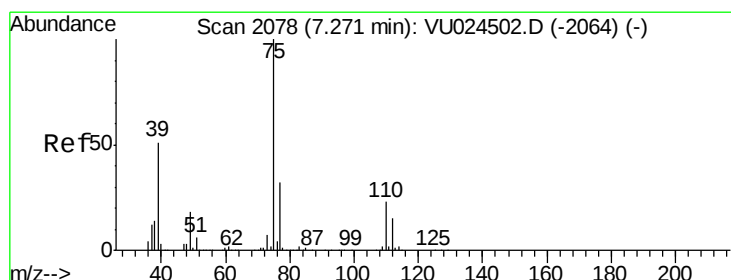
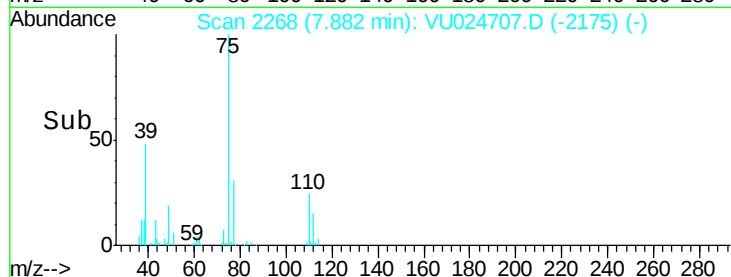
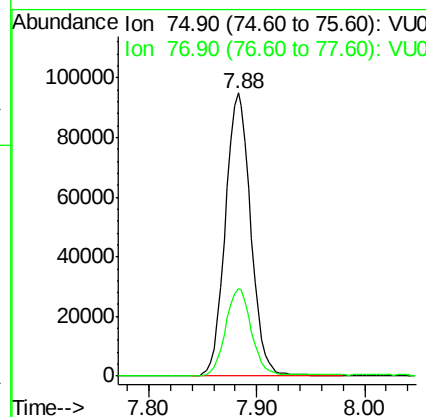
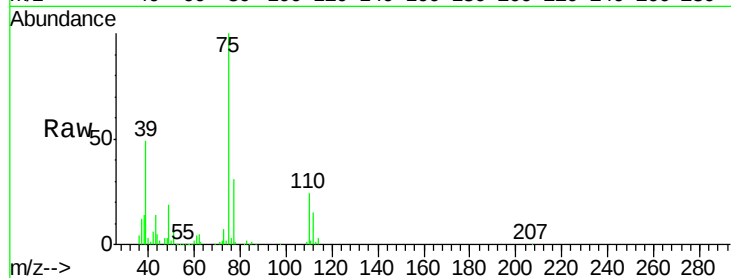
77 31.0 24.8 37.2

Manual Integrations

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6/19/2018 1:55:06 PM



#54

cis-1,3-Dichloropropene

Concen: 40.12 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

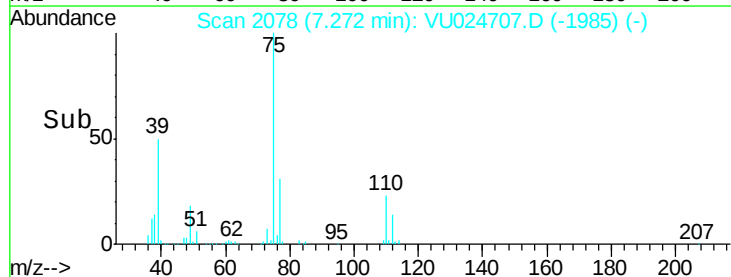
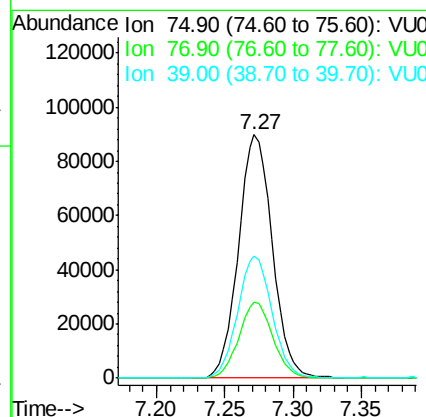
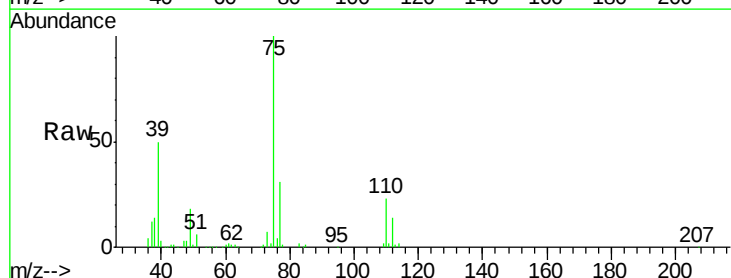
Tgt Ion: 75 Resp: 154793

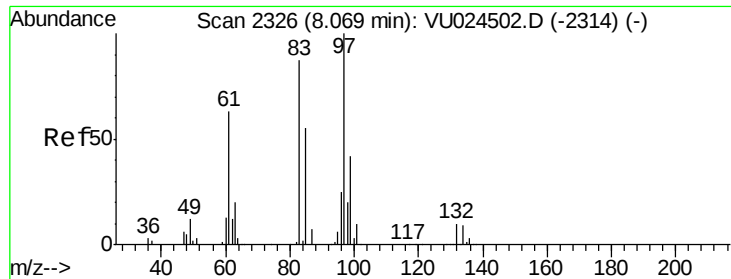
Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8

39 50.3 39.8 59.6





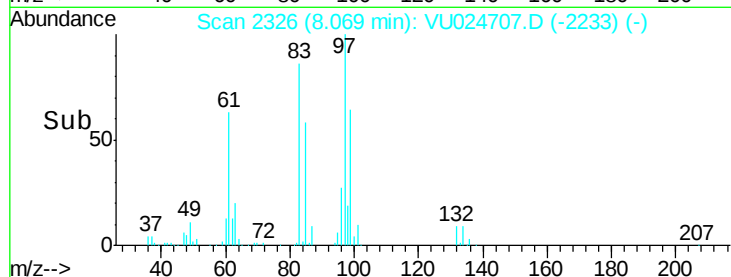
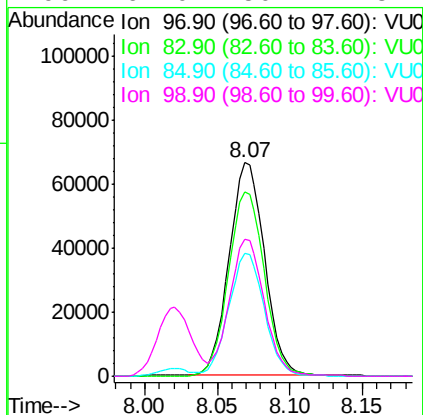
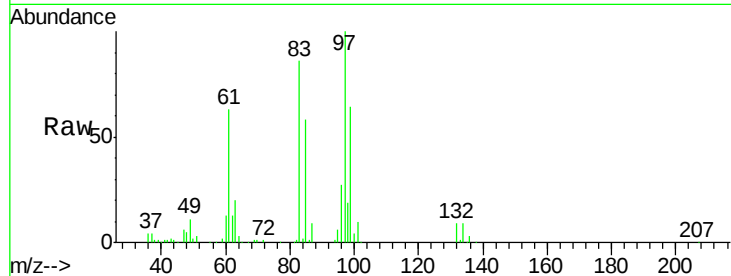
#55
 1,1,2-Trichloroethane
 Concen: 49.92 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		112799		
83	86.5	70.5	105.7		
85	57.6	46.4	69.6		
99	64.0	50.2	75.2		

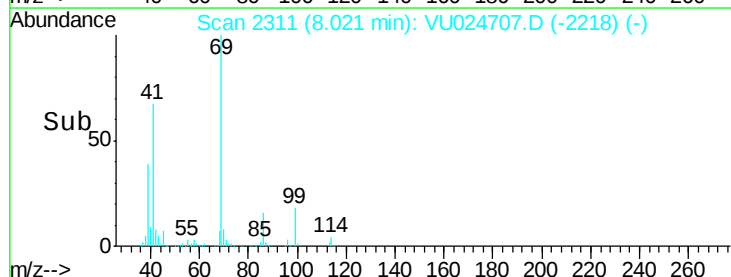
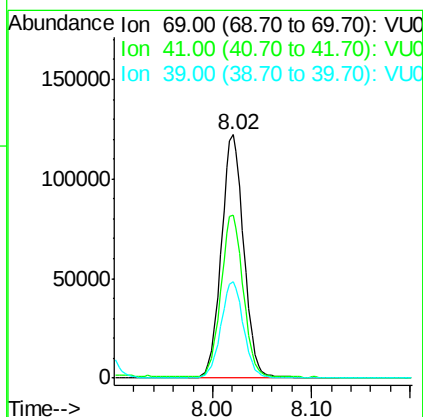
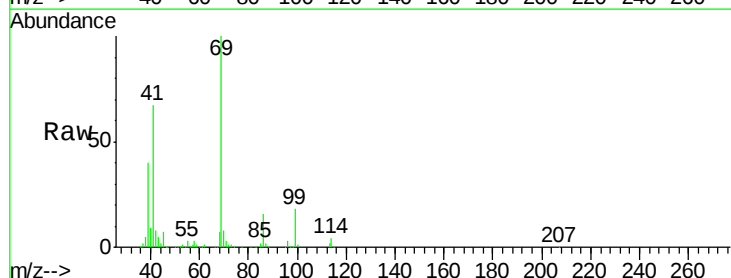
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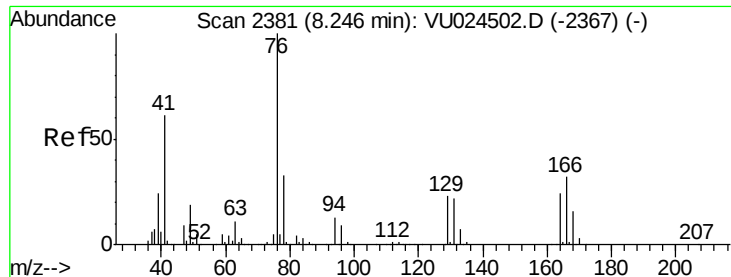
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#56
 Ethyl methacrylate
 Concen: 51.86 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		196114		
41	65.2	54.1	81.1		
39	39.0	30.3	45.5		





#57

1,3-Dichloropropane

Concen: 49.95 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Tot Ion: 76 Resp: 190395

Ion Ratio Lower Upper

76 100

78 32.4 25.2 37.8

Instrument :

MSVOA_U

ClientSampleId :

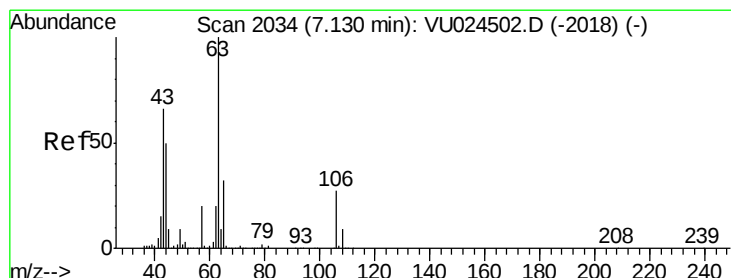
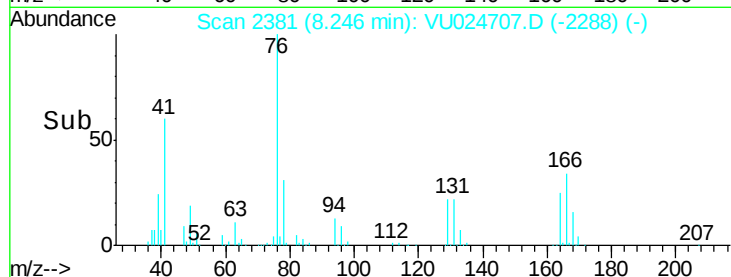
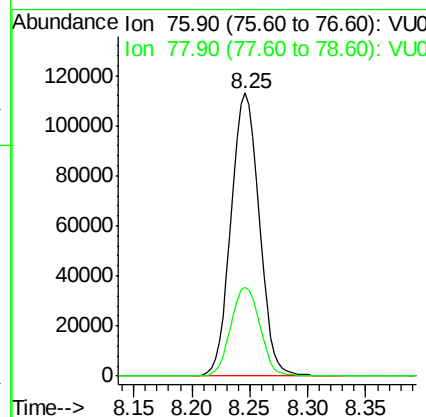
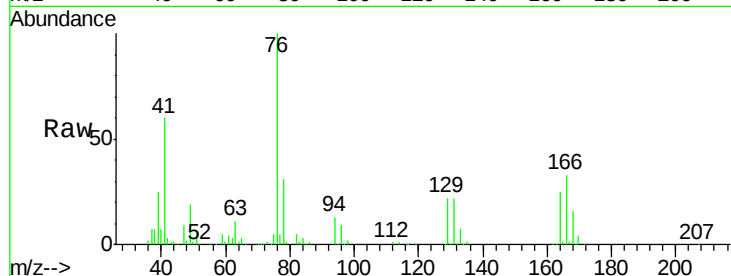
VSTDCCC050EC

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#58

2-Chloroethyl Vinyl ether

Concen: 294.87 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU024707.D

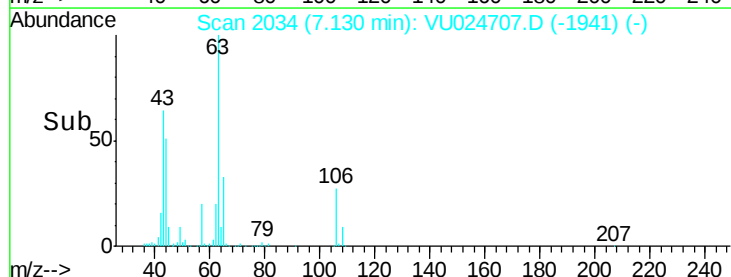
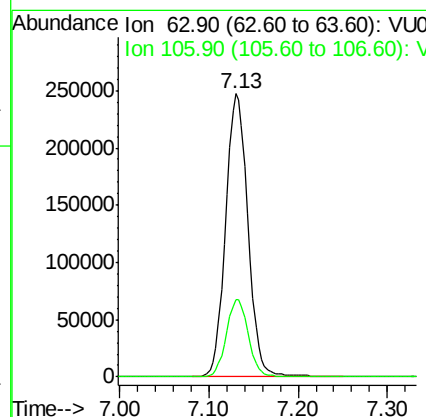
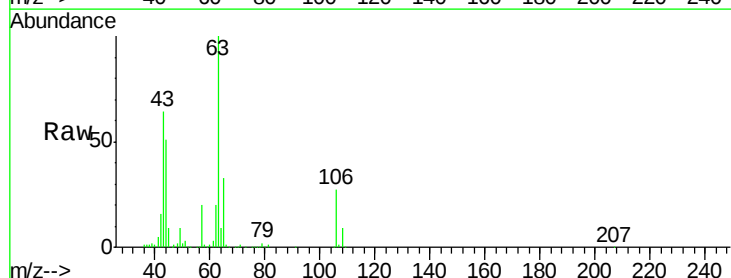
Acq: 18 Jun 2018 21:28

Tgt Ion: 63 Resp: 427228

Ion Ratio Lower Upper

63 100

106 27.0 20.2 30.2





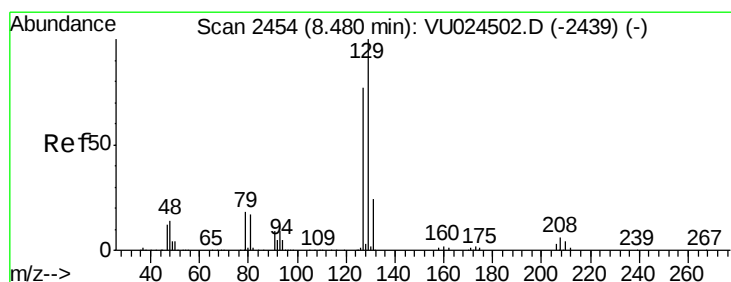
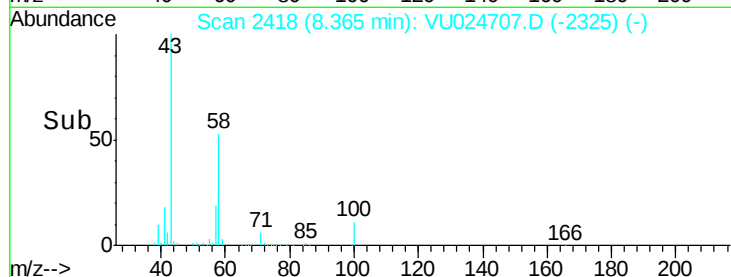
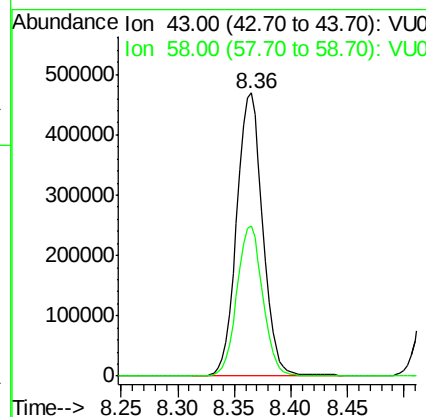
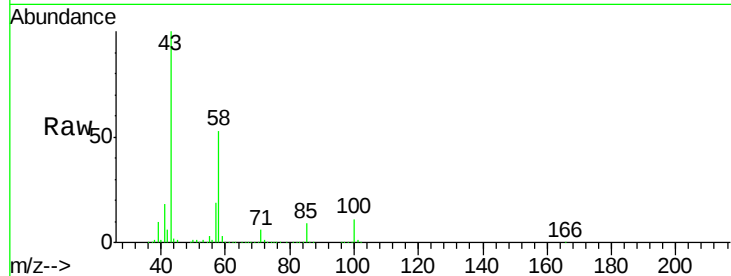
#59
2-Hexanone
Concen: 256.20 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	750667
Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.4	79.0

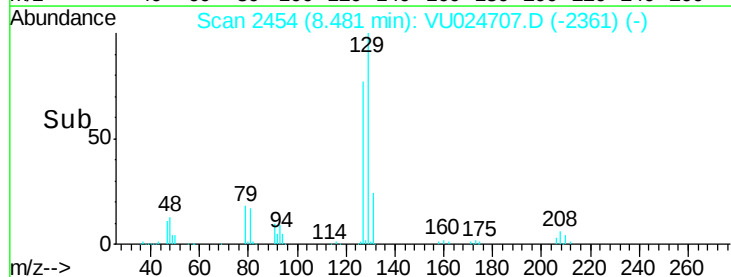
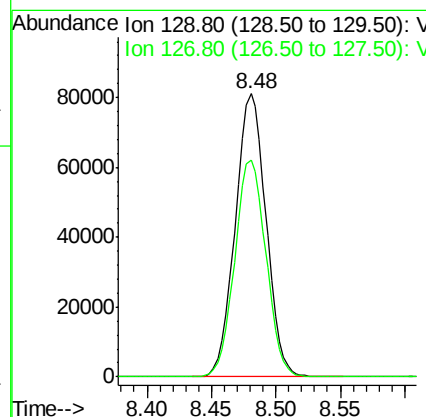
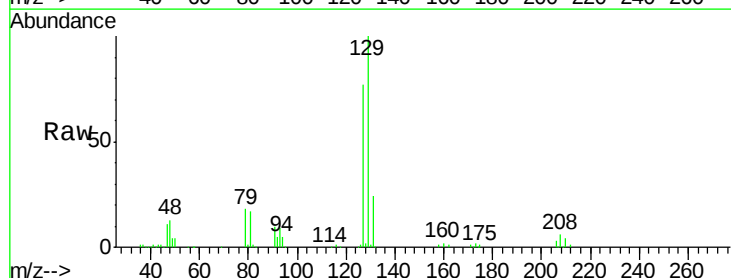
Manual Integrations
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#60
Dibromochloromethane
Concen: 47.78 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion	129	Resp	134616
Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	116.0





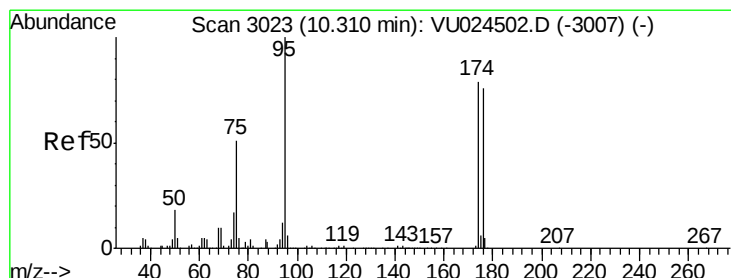
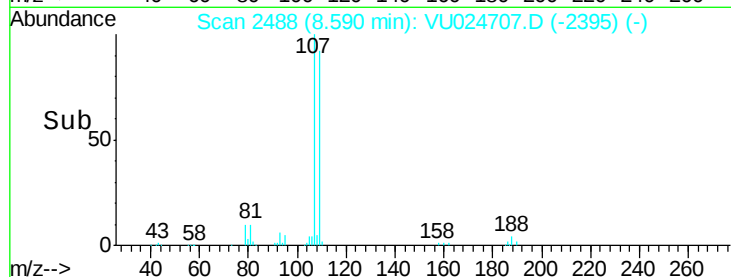
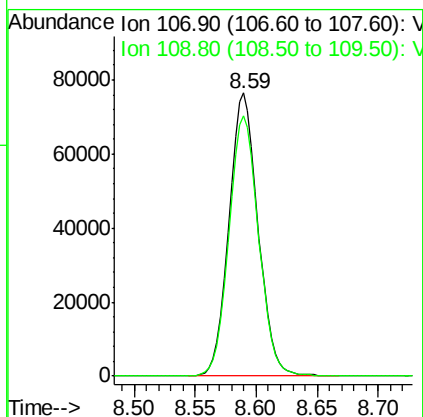
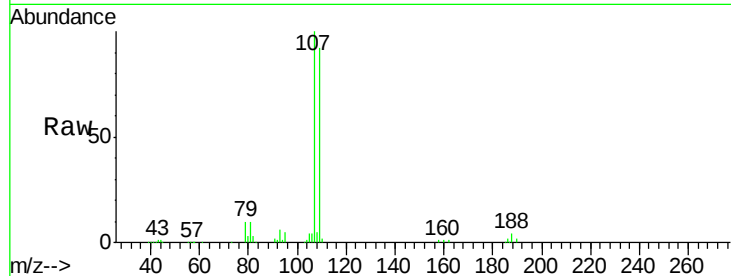
#61
 1,2-Dibromoethane
 Concen: 50.46 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	126906		
109	93.9	74.5	111.7	

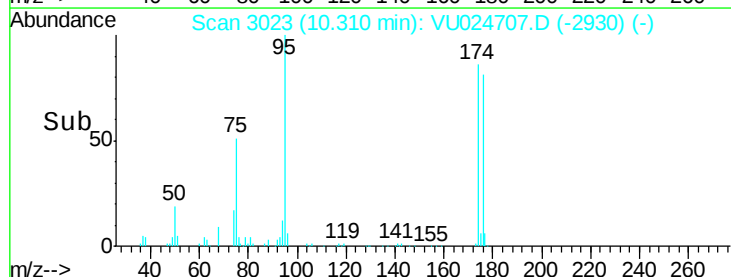
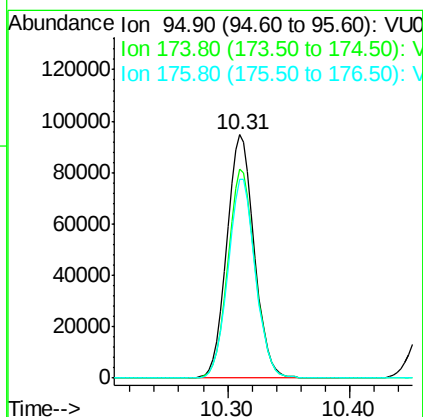
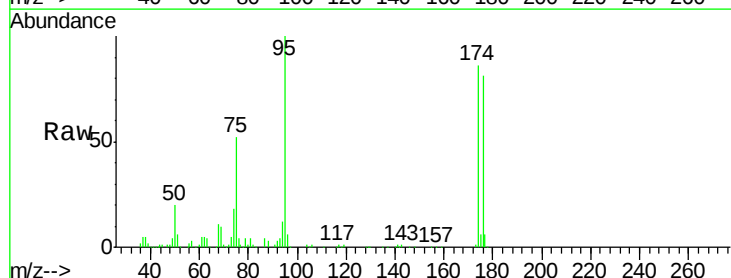
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 48.08 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	149116		
174	84.8	0.0	165.8	
176	81.6	0.0	159.4	





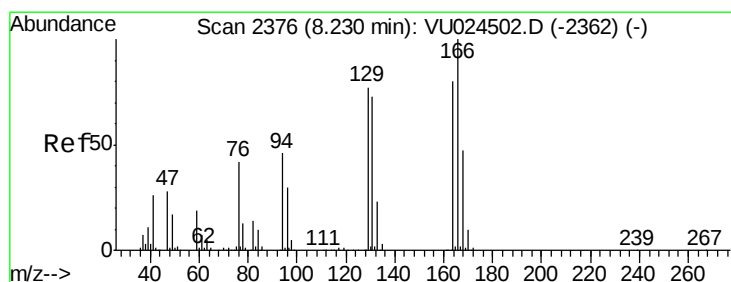
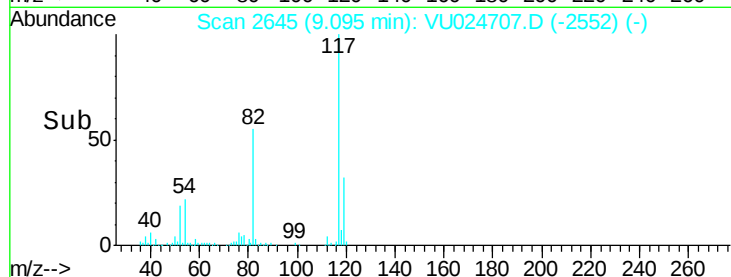
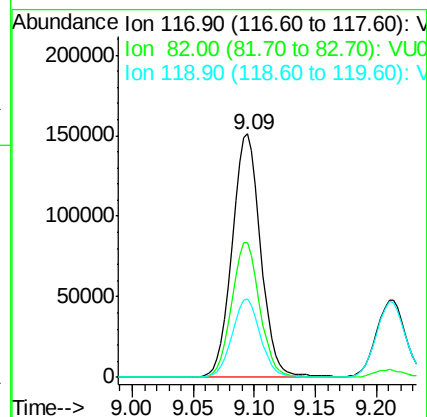
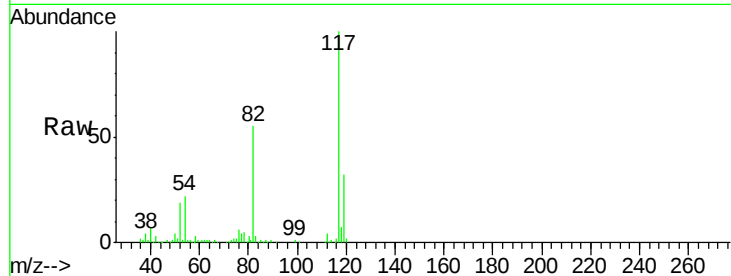
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	248318		
82	55.5	44.3	66.5	
119	32.3	25.4	38.2	

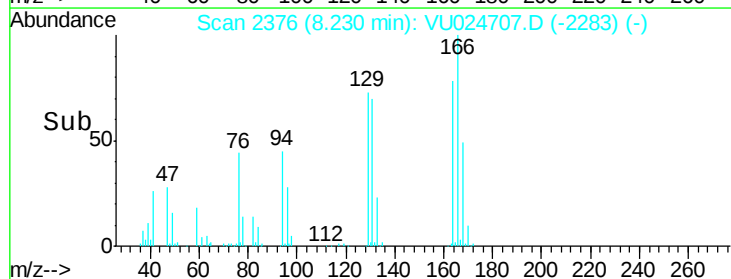
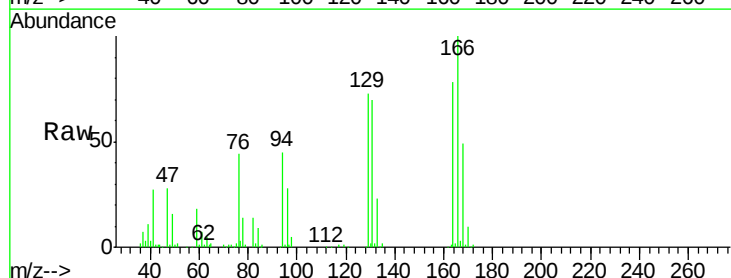
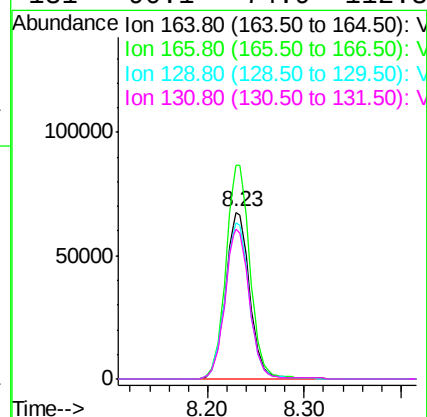
Manual Integrations
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6/19/2018 1:55:06 PM



#64
Tetrachloroethene
Concen: 49.57 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	117002		
166	128.1	101.7	152.5	
129	93.8	76.9	115.3	
131	90.1	74.9	112.3	





#65

Chlorobenzene

Concen: 48.13 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 305349

Ion Ratio Lower Upper

112 100

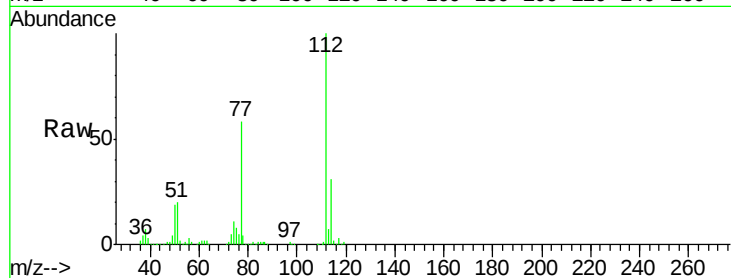
114 31.2 25.6 38.4

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.12

200000

150000

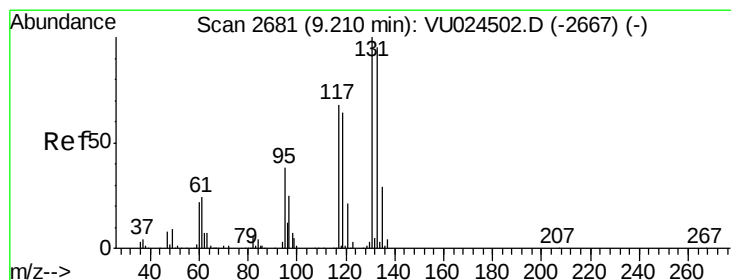
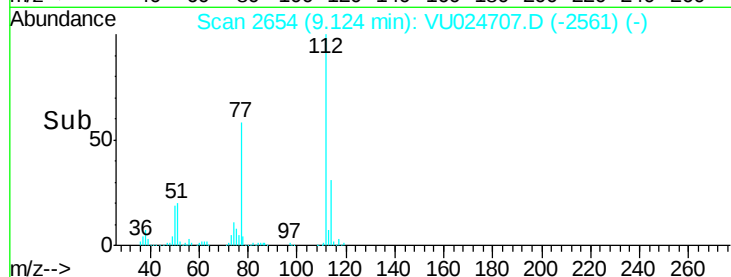
100000

50000

0

9.10 9.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.40 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

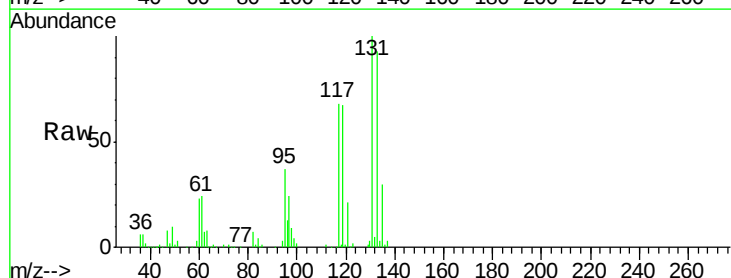
Tgt Ion:131 Resp: 116646

Ion Ratio Lower Upper

131 100

133 95.4 46.9 140.8

119 66.2 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

9.21

80000

60000

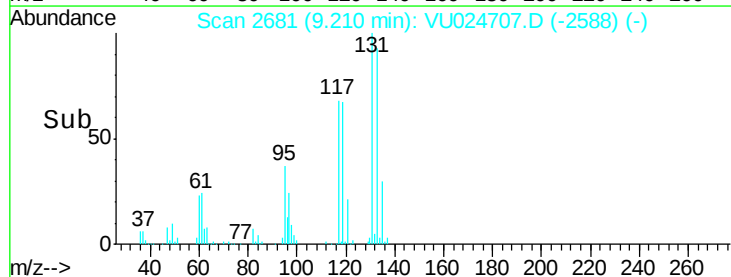
40000

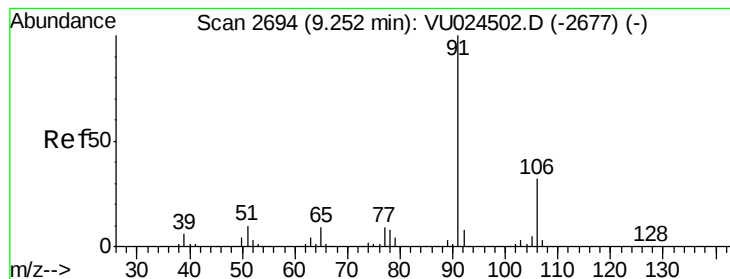
20000

0

9.15 9.20 9.25 9.30

Time-->





#67

Ethyl Benzene

Concen: 46.59 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Tot Ion: 91 Resp: 518075

Ion Ratio Lower Upper

91 100

106 31.8 24.2 36.4

Instrument :

MSVOA_U

ClientSampleId :

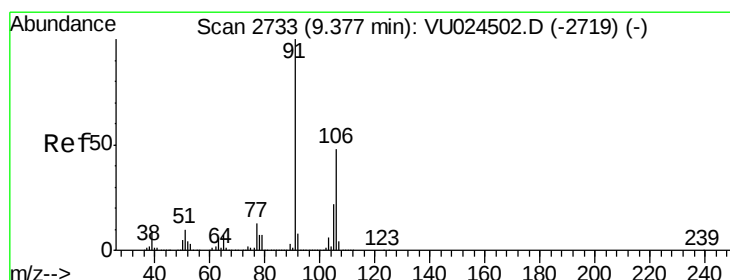
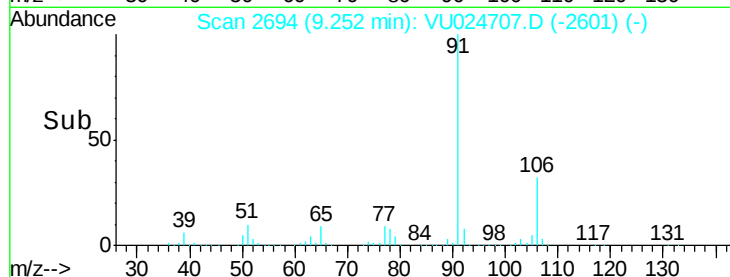
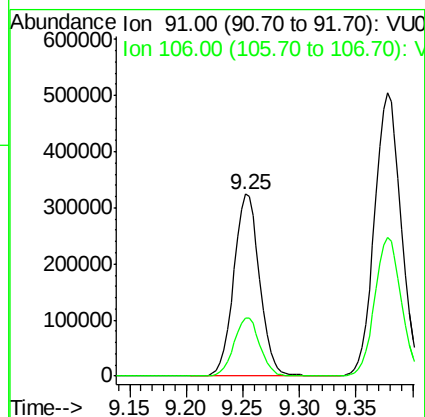
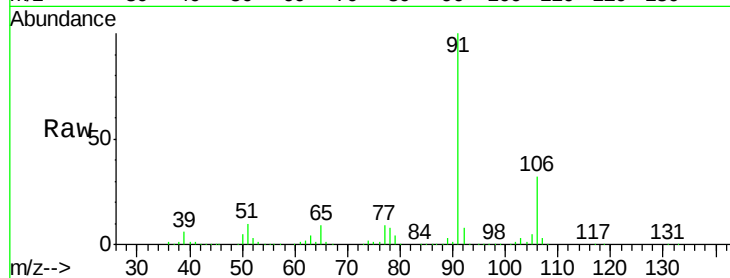
VSTDCCC050EC

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#68

m/p-Xylenes

Concen: 95.03 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024707.D

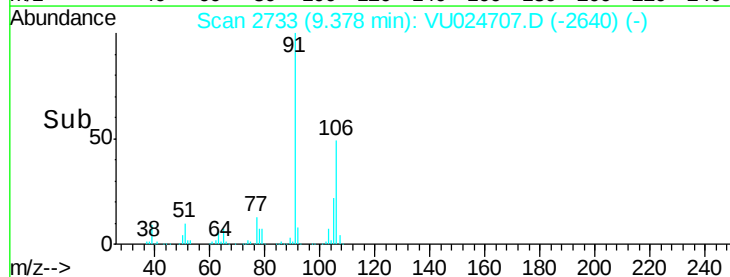
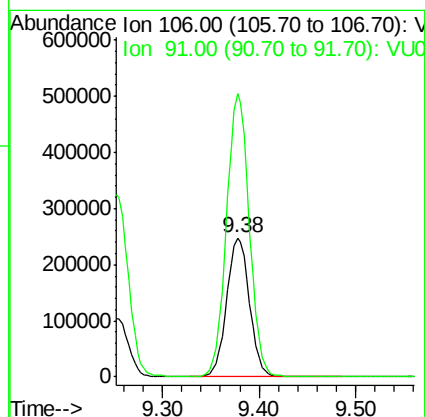
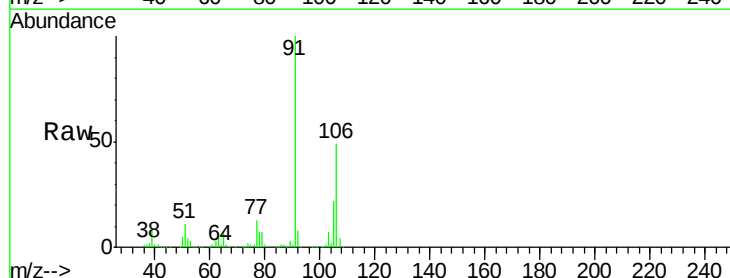
Acq: 18 Jun 2018 21:28

Tgt Ion: 106 Resp: 405799

Ion Ratio Lower Upper

106 100

91 203.3 166.5 249.7





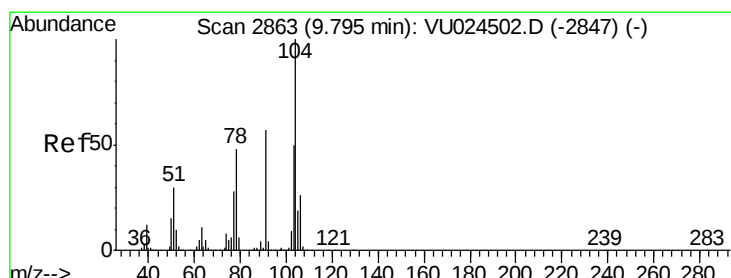
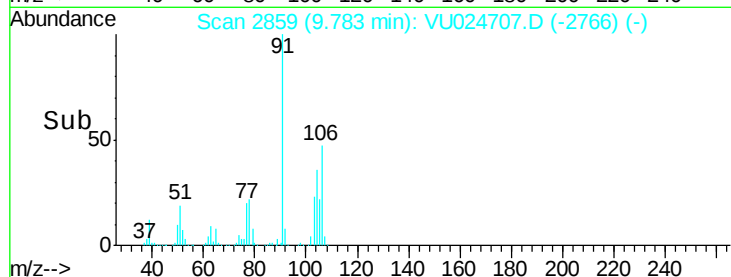
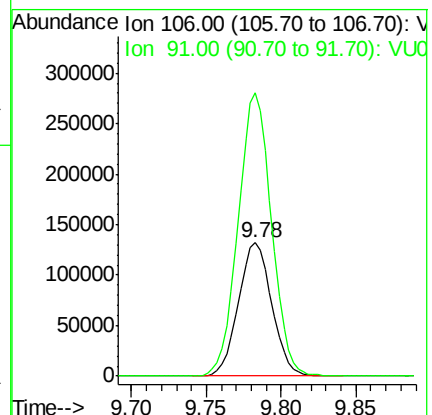
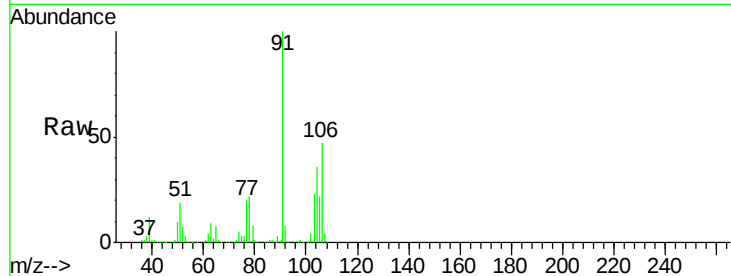
#69
o-Xylene
Concen: 48.33 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
204241	106	100		
	91	213.0	110.7	331.9

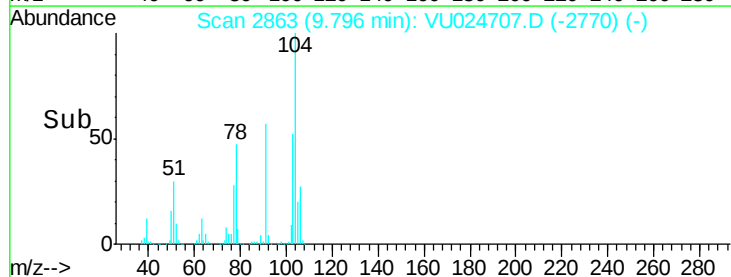
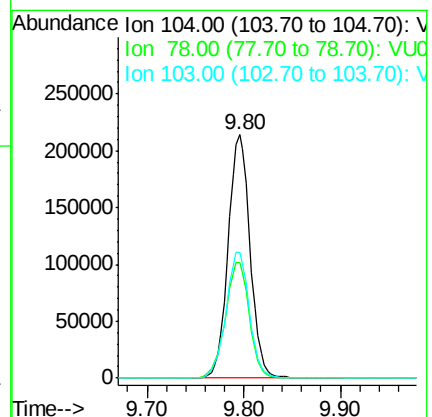
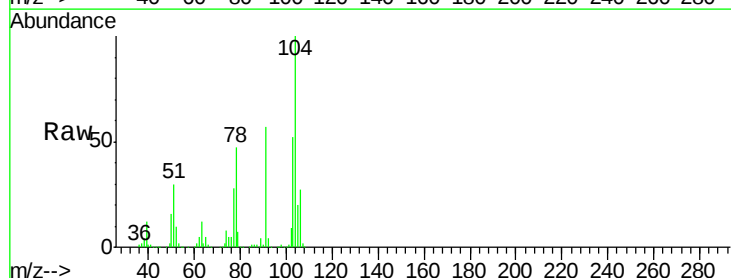
Manual Integrations
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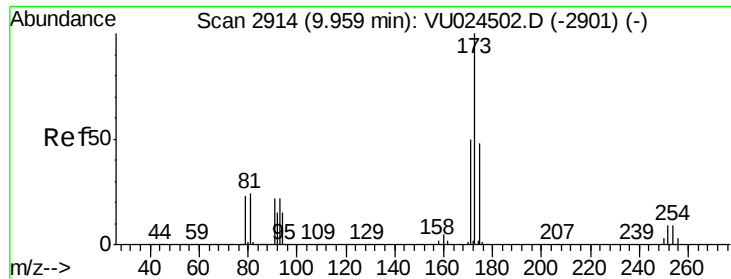
MMDadoda
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#70
Styrene
Concen: 48.45 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion	Ion	Ratio	Lower	Upper
336524	104	100		
	78	51.8	40.6	60.8
	103	55.2	44.7	67.1





#71

Bromoform

Concen: 46.53 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

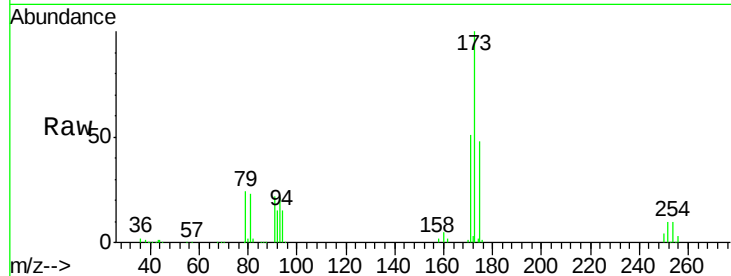
ClientSampleId :

VSTDCCC050EC

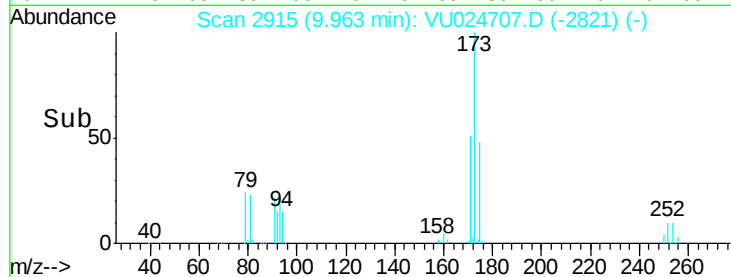
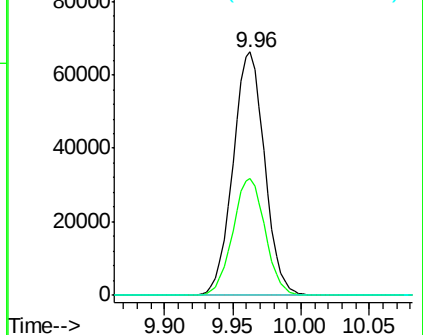
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	74.0
254	0.1	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

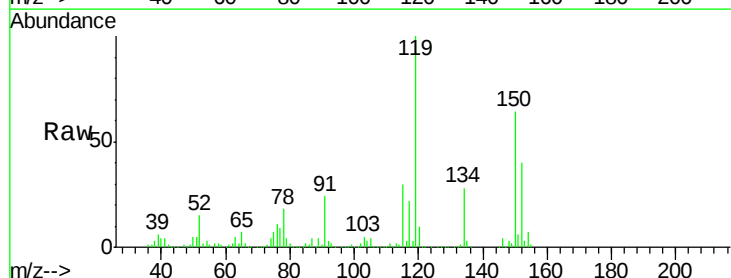
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

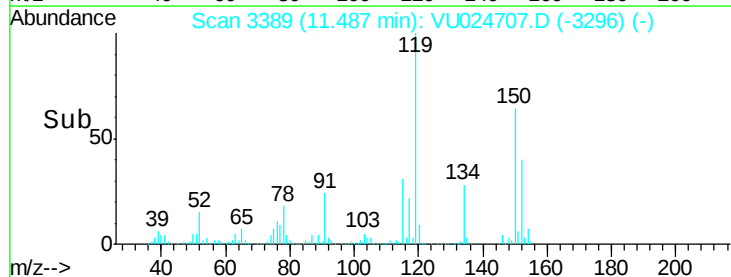
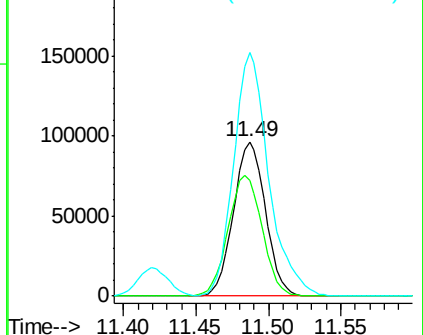
Lab File: VU024707.D

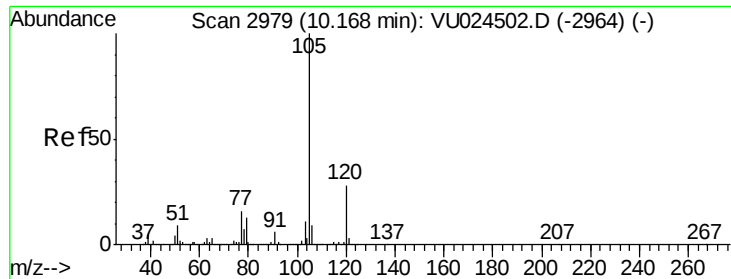
Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	83.1	43.0	129.0
150	173.7	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: 48.19 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 544827

Ion Ratio Lower Upper

105 100

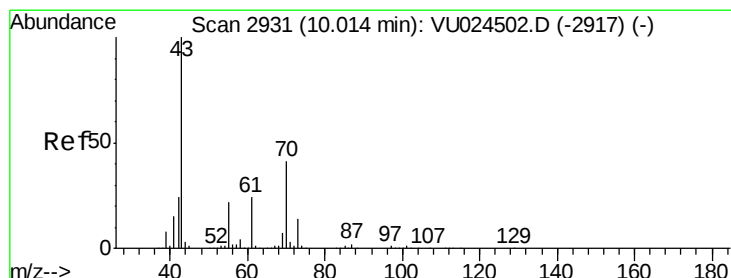
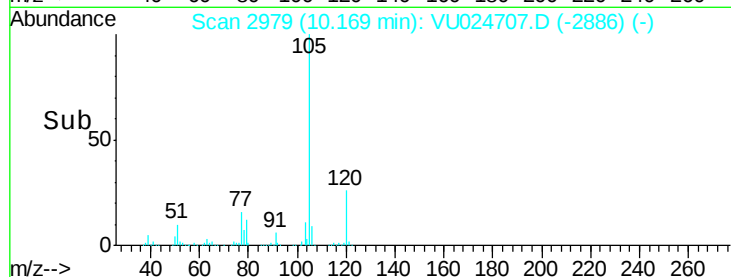
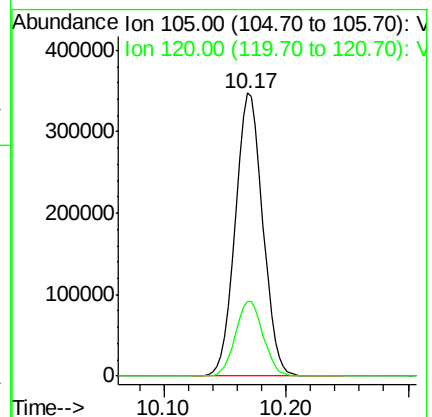
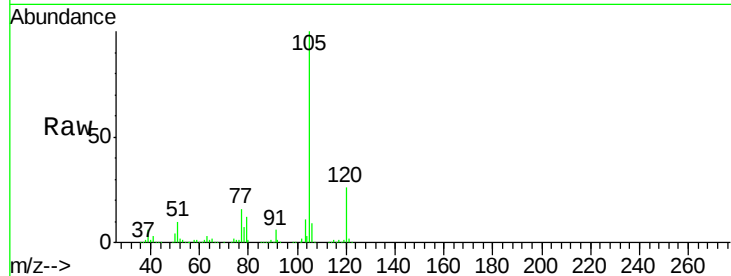
120 26.7 13.2 39.6

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#74

N-ethyl acetate

Concen: 50.02 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Tgt Ion: 43 Resp: 268975

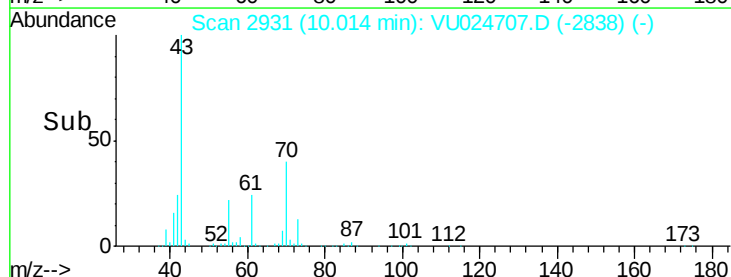
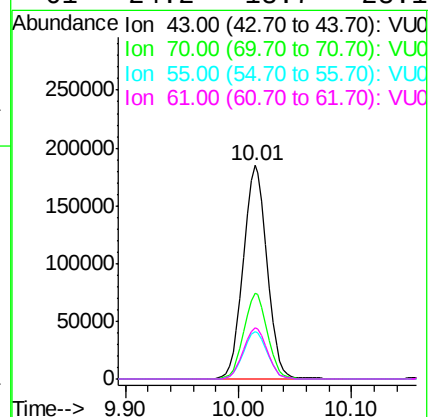
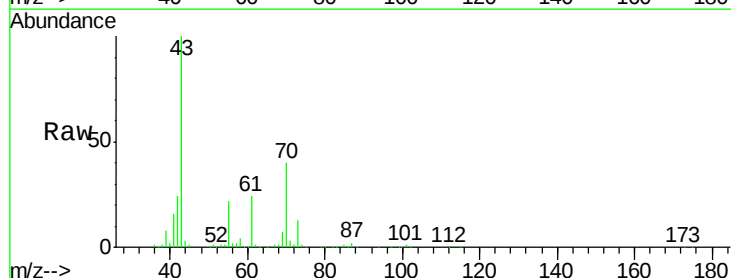
Ion Ratio Lower Upper

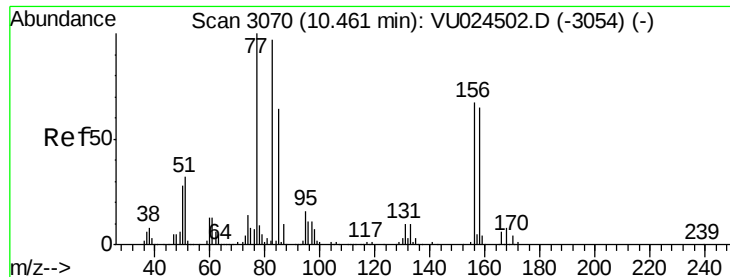
43 100

70 40.2 32.2 48.4

55 22.5 20.5 30.7

61 24.2 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.33 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 194487

Ion Ratio Lower Upper

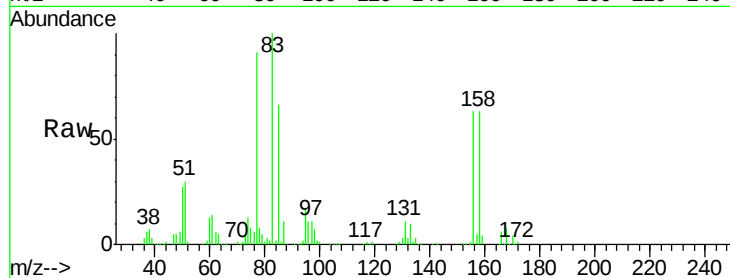
83 100

131 10.1 4.7 14.1

85 65.6 32.5 97.5

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Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0

150000

100000

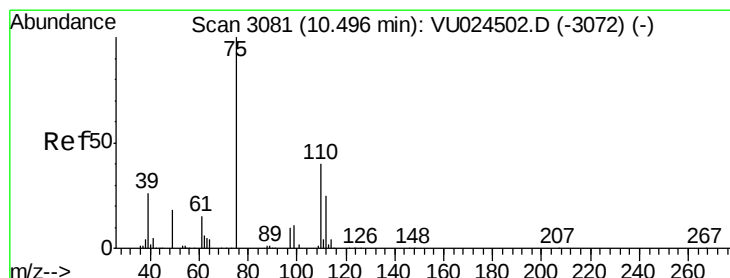
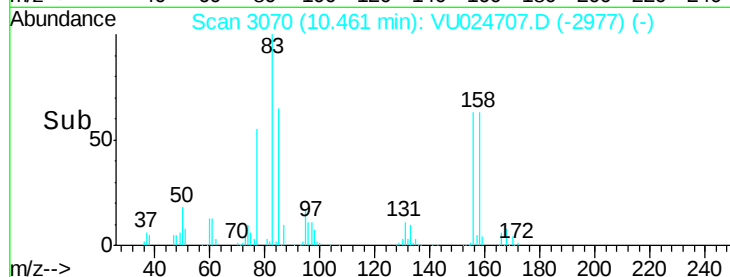
50000

0

10.46

10.40 10.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 52.84 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024707.D

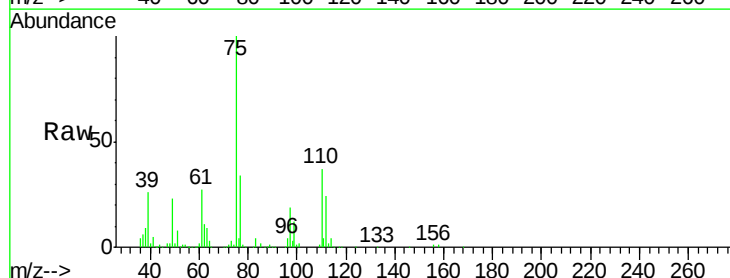
Acq: 18 Jun 2018 21:28

Tgt Ion: 75 Resp: 171327

Ion Ratio Lower Upper

75 100

77 37.1 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

150000

100000

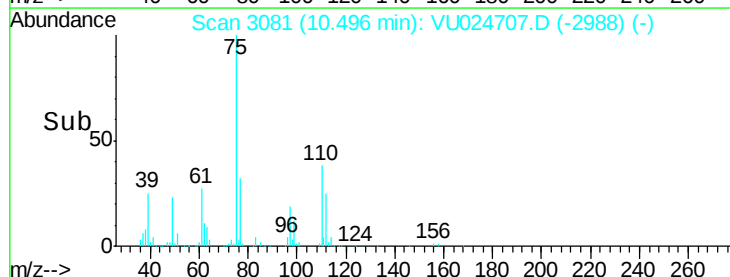
50000

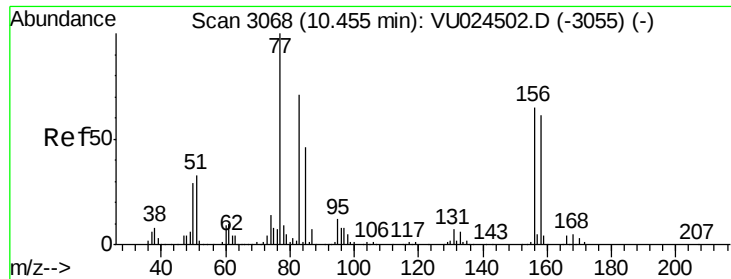
0

10.50

10.45 10.50

Time-->





#77

Bromobenzene

Concen: 48.44 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

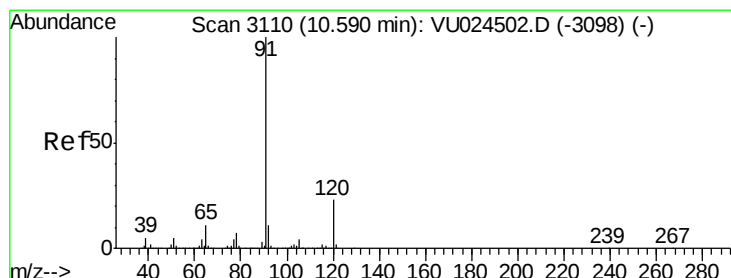
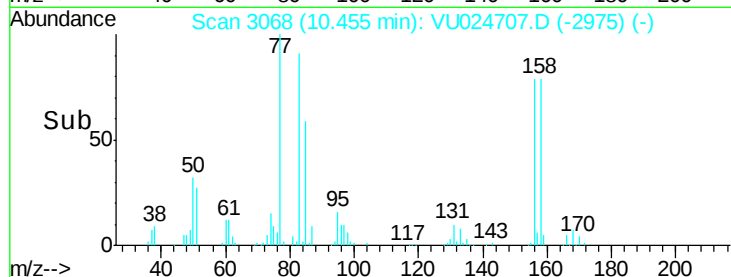
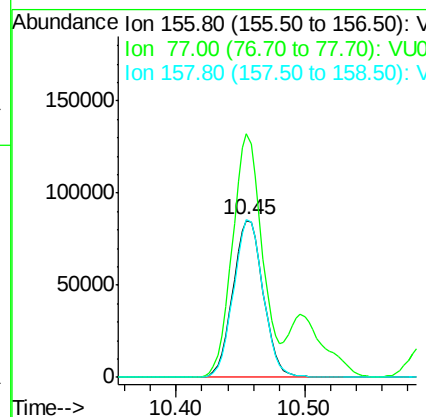
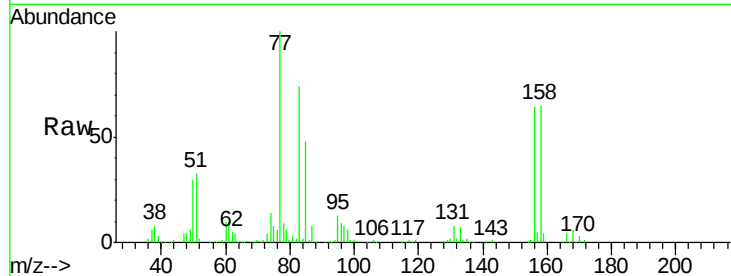
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	151.9	80.5	241.3		
158	98.4	48.2	144.6		

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#78

n-propylbenzene

Concen: 46.08 ug/l

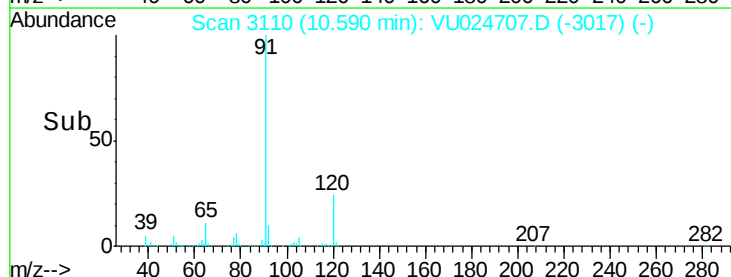
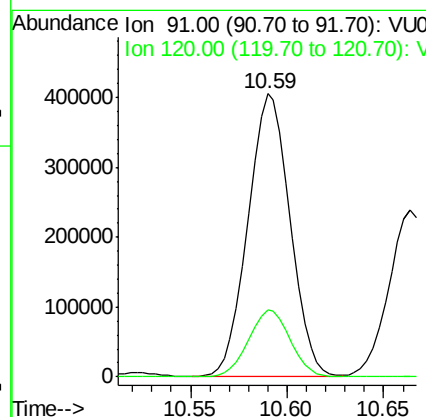
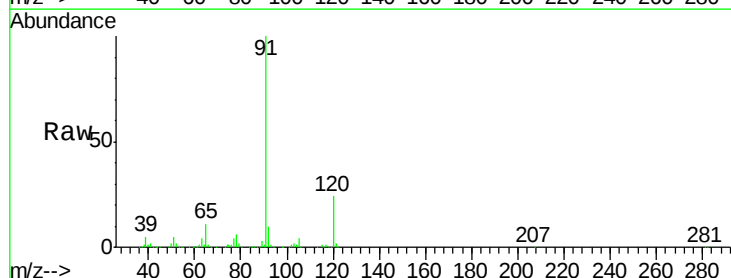
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.5	11.2	33.5		





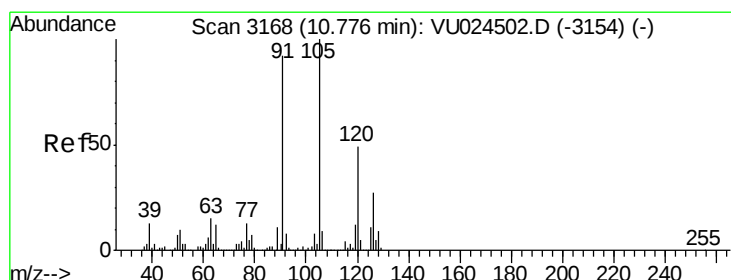
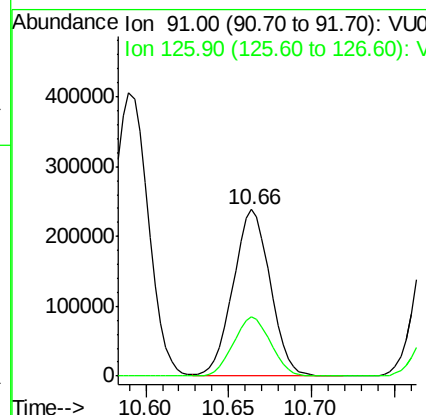
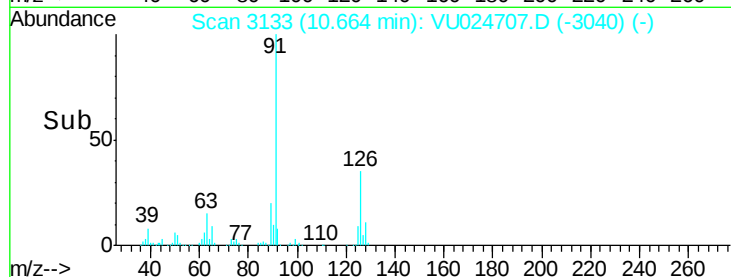
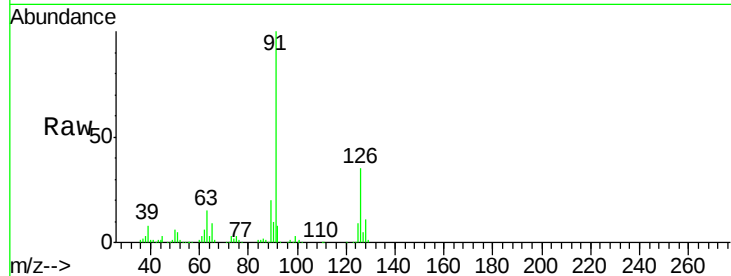
#79
 2-Chlorotoluene
 Concen: 47.00 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 369148
 Ion Ratio Lower Upper
 91 100
 126 35.9 16.9 50.7

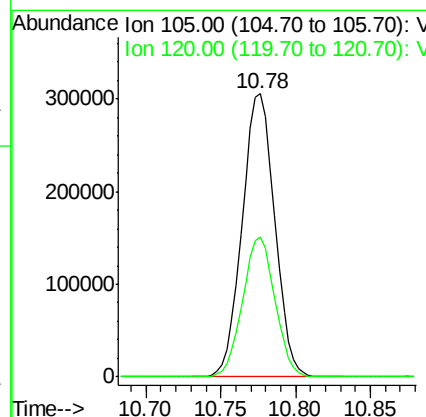
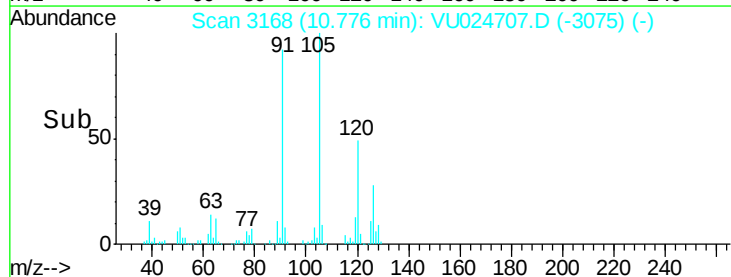
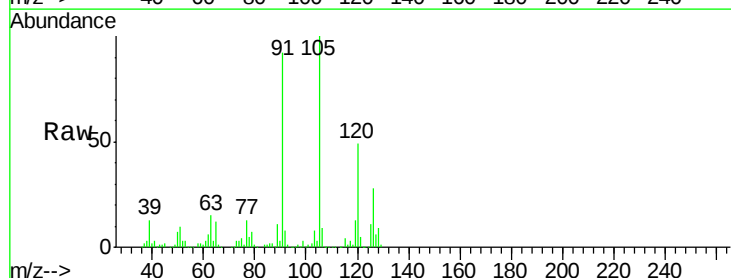
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 47.37 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion: 105 Resp: 464206
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.1 72.2





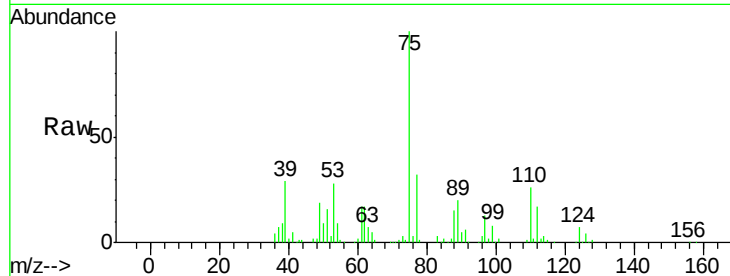
#81
trans-1,4-Dichloro-2-butene
Concen: 36.12 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

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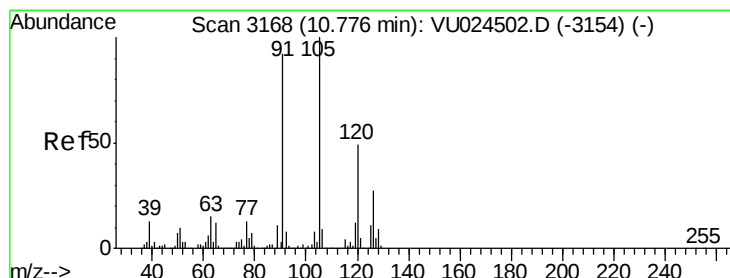
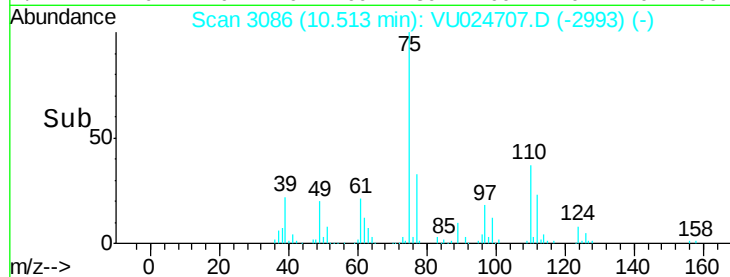
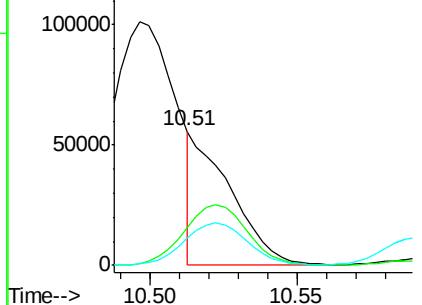
MMDadoda
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Abundance Ion 74.90 (74.60 to 75.60): VU024707.D (-2993) (-)

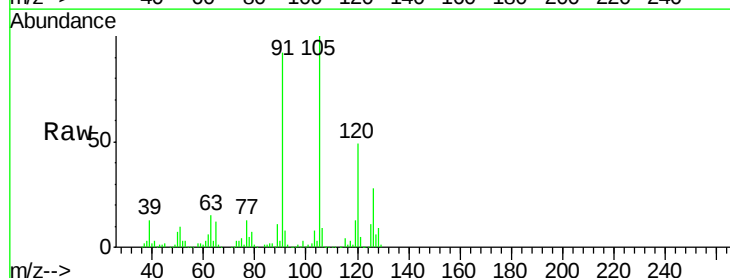
Ion 53.00 (52.70 to 53.70): VU024707.D (-2993) (-)

Ion 88.90 (88.60 to 89.60): VU024707.D (-2993) (-)



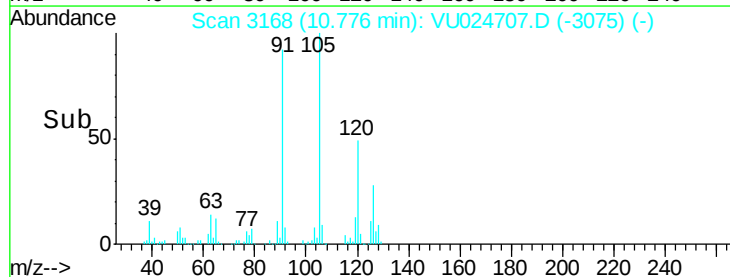
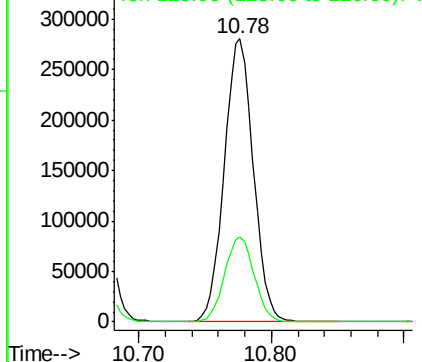
#82
4-Chlorotoluene
Concen: 46.56 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	14.9	44.9



Abundance Ion 91.00 (90.70 to 91.70): VU024707.D (-3075) (-)

Ion 125.90 (125.60 to 126.60): VU024707.D (-3075) (-)





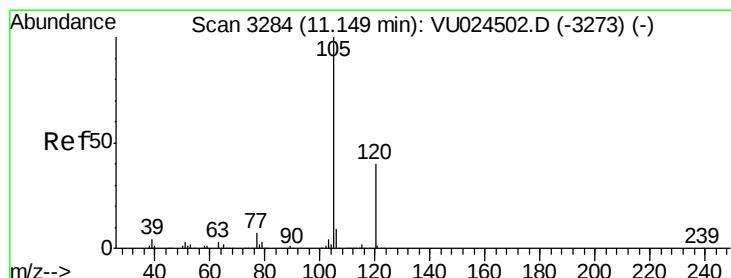
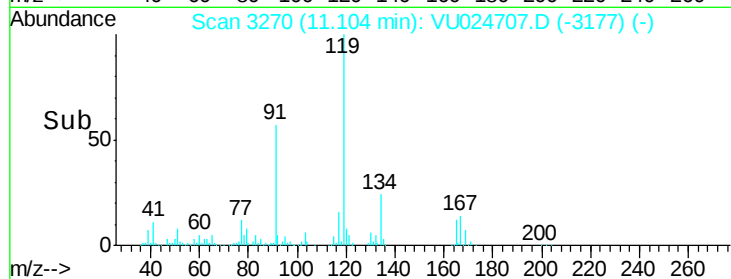
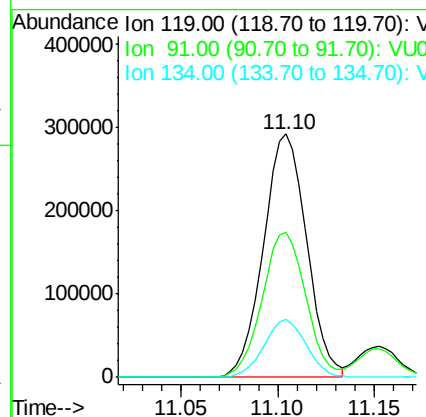
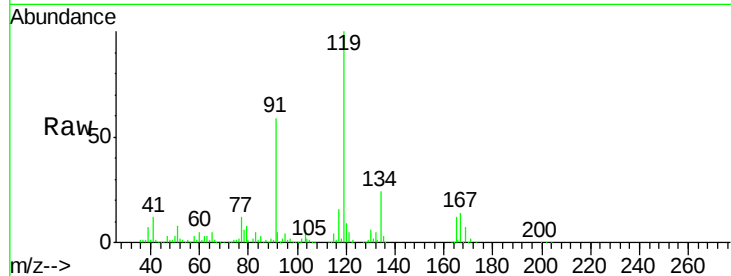
#83
 tert-Butylbenzene
 Concen: 48.07 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.2	29.7	89.1
134	23.1	11.6	34.7

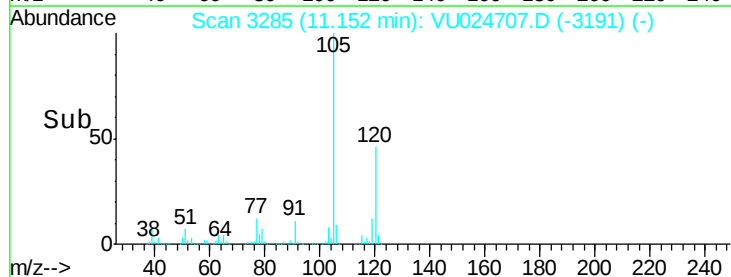
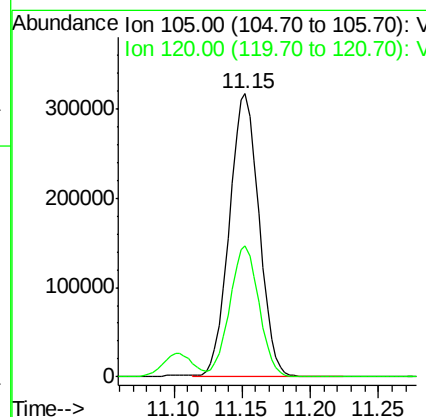
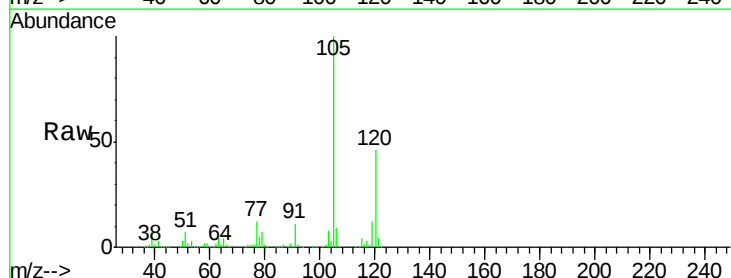
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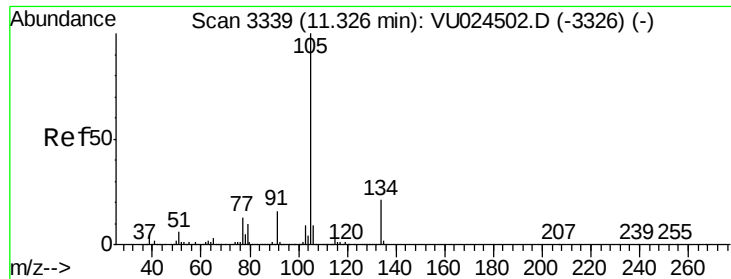
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.91 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.6	67.8





#85

sec-Butylbenzene

Concen: 47.00 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 554562

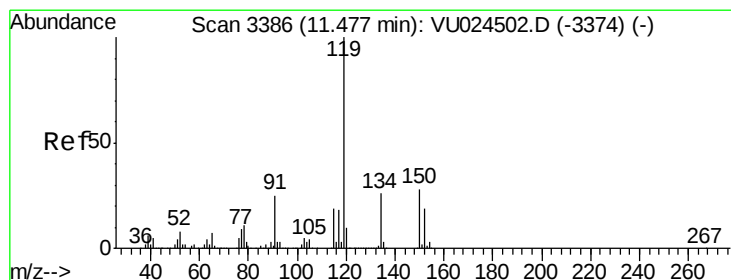
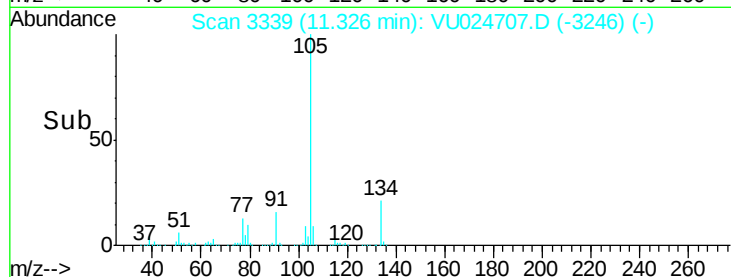
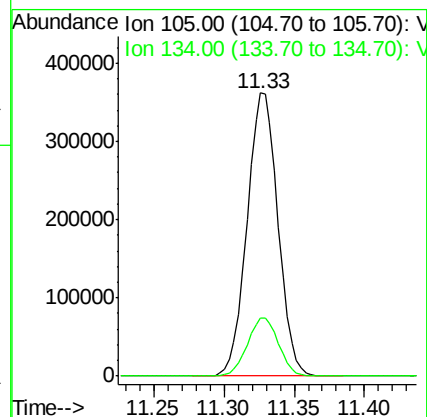
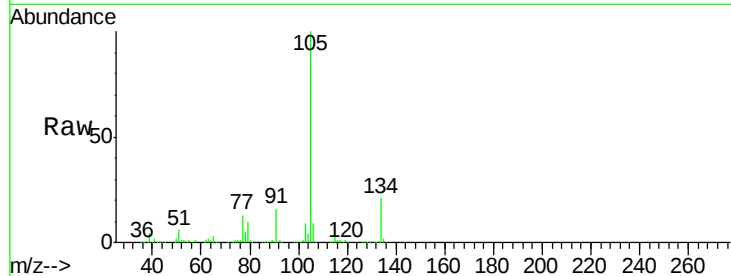
Ion Ratio Lower Upper

105 100

134 20.7 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 46.28 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

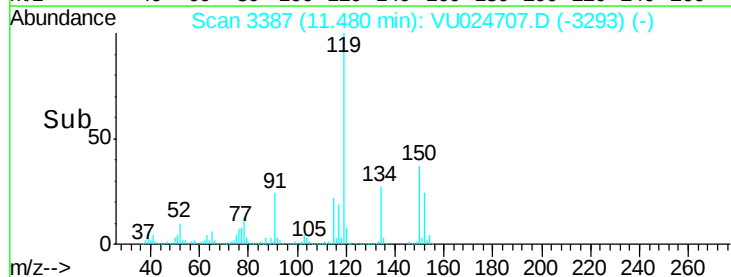
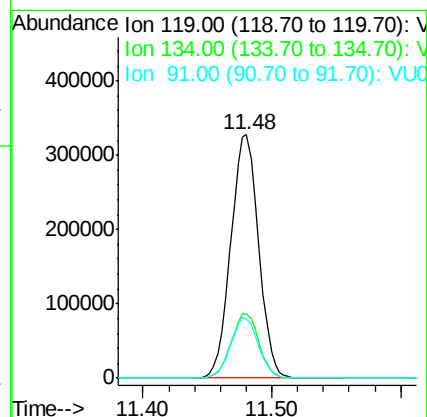
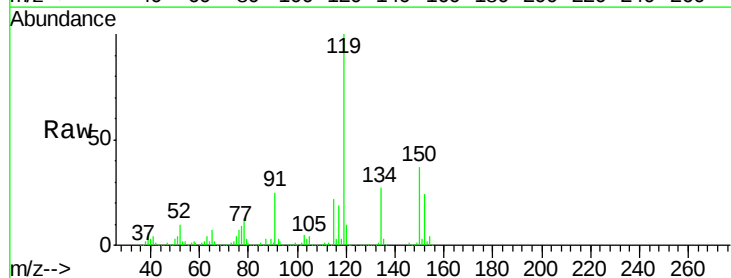
Tgt Ion:119 Resp: 489031

Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.6

91 24.6 12.0 36.1





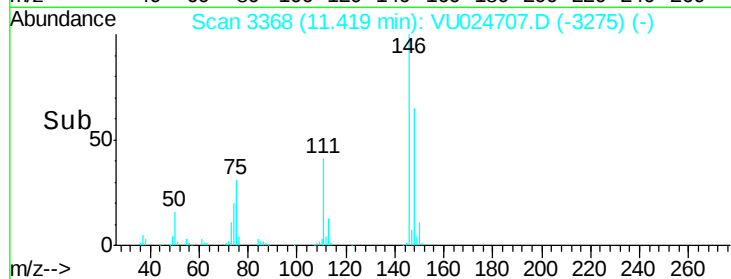
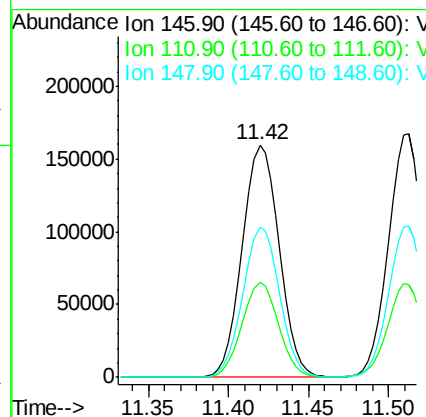
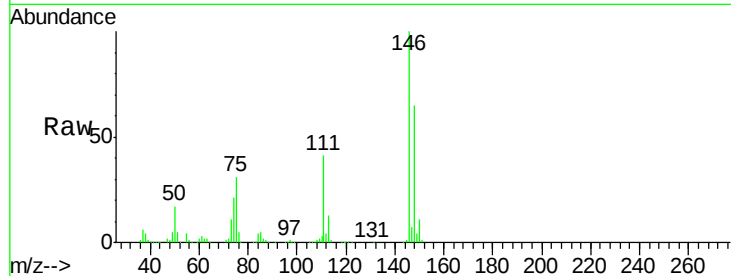
#87
 1,3-Dichlorobenzene
 Concen: 47.53 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	64.2	32.1	96.5

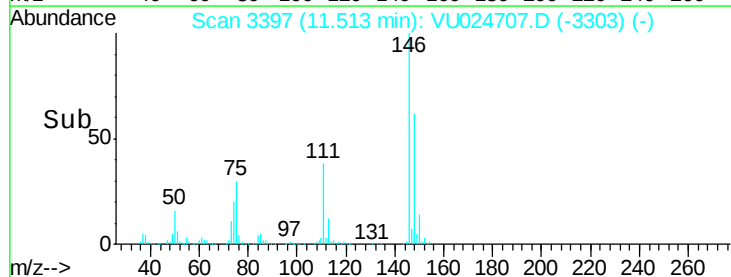
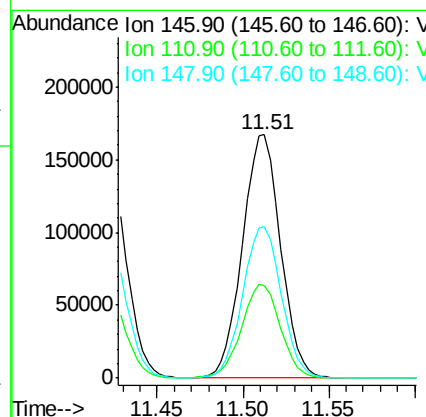
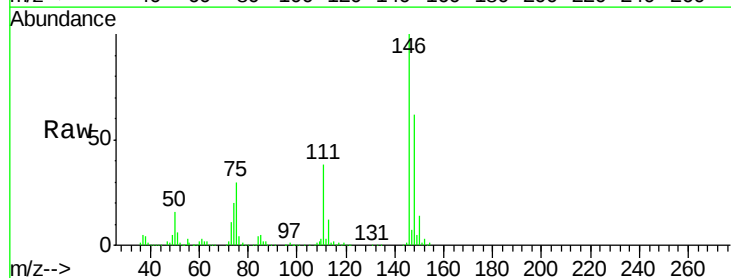
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#88
 1,4-Dichlorobenzene
 Concen: 48.24 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.5	58.5
148	63.3	32.4	97.0





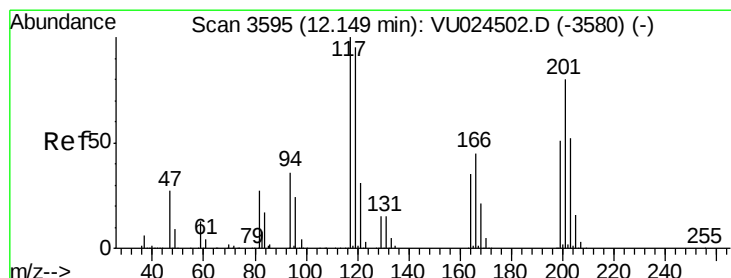
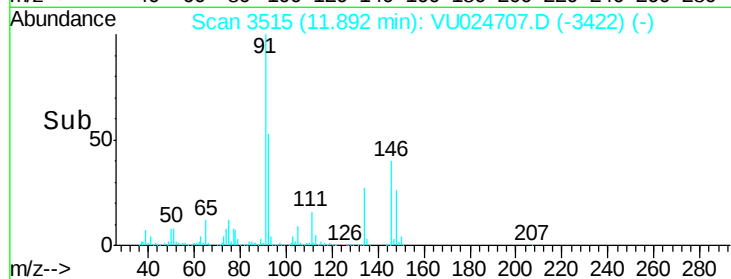
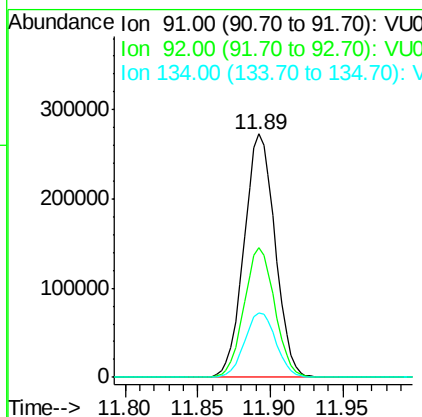
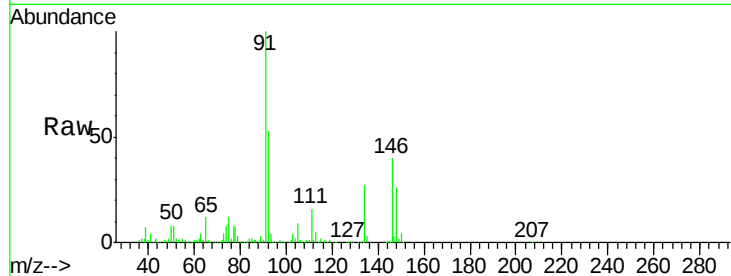
#89
n-Butylbenzene
Concen: 43.31 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	25.6	76.8
134	26.8	12.3	36.8

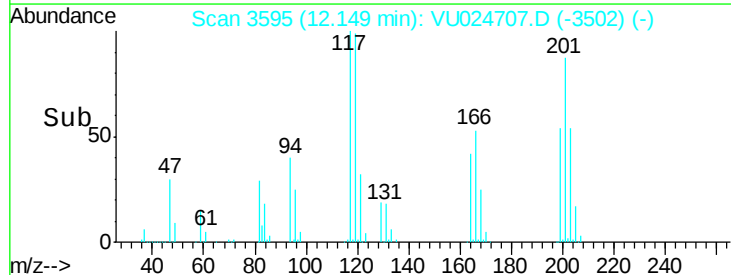
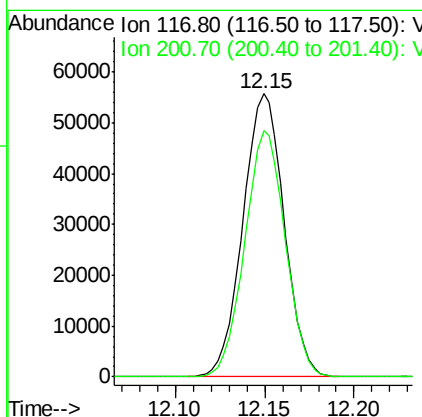
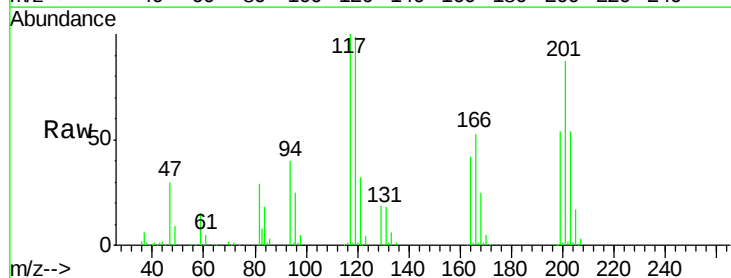
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#90
Hexachloroethane
Concen: 43.62 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU024707.D
Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.6	41.1	123.3





#91

1,2-Dichlorobenzene

Concen: 49.81 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

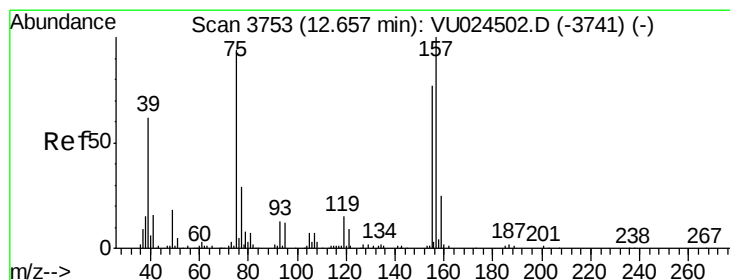
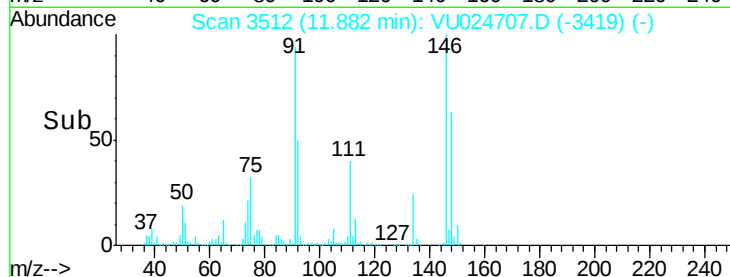
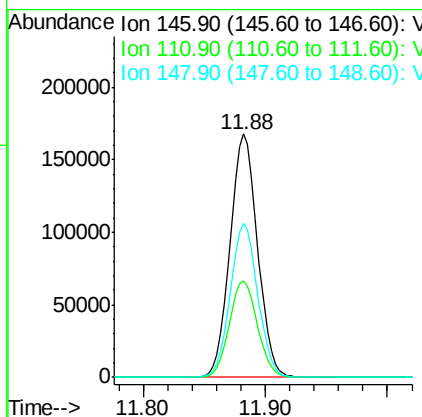
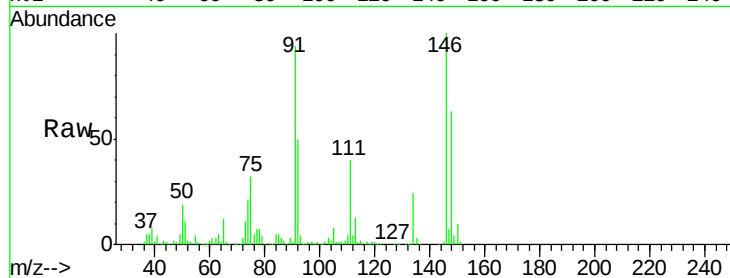
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	263821
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.5	61.6
148	63.1	31.9	95.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.29 ug/l

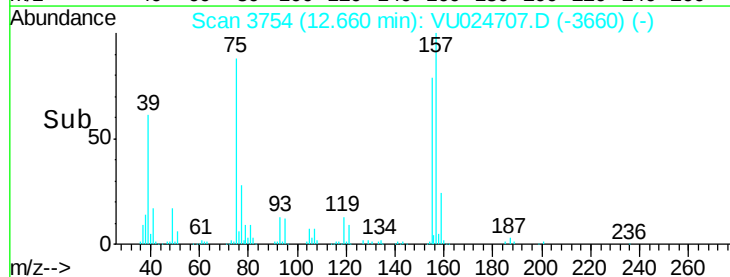
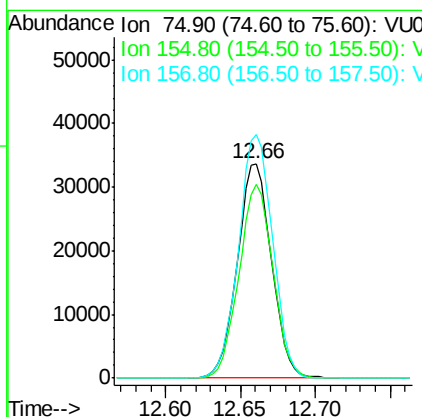
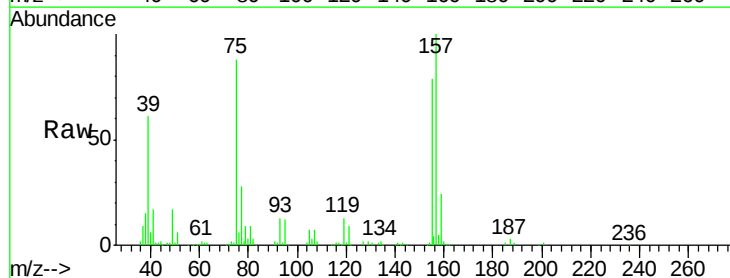
RT: 12.66 min Scan# 3754

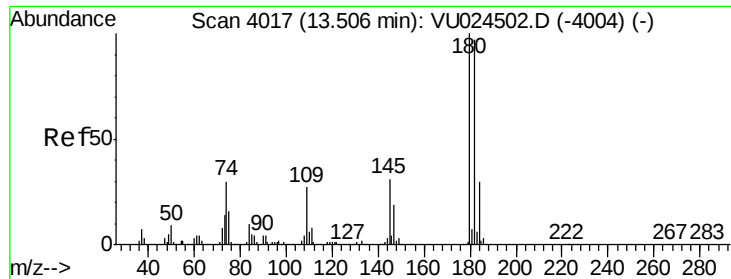
Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Tgt Ion:	75	Resp:	53622
Ion Ratio	Lower	Upper	
75	100		
155	89.6	40.4	121.2
157	113.5	52.3	156.8





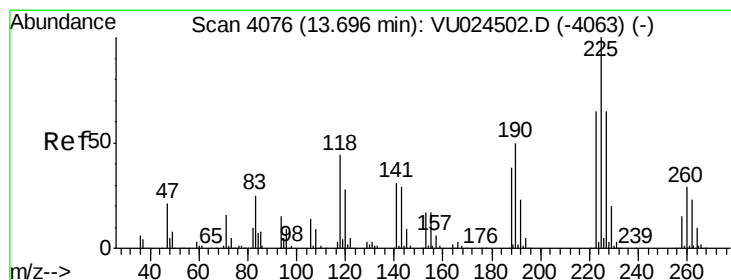
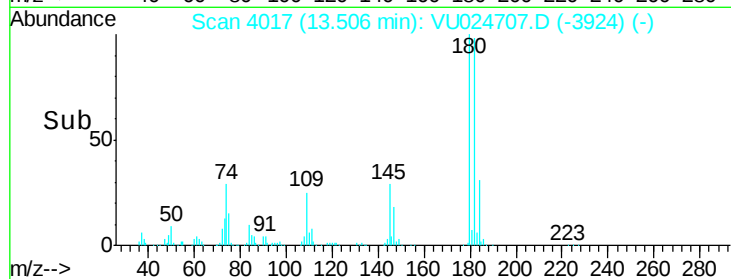
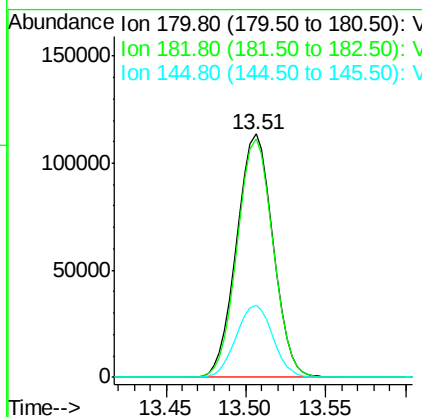
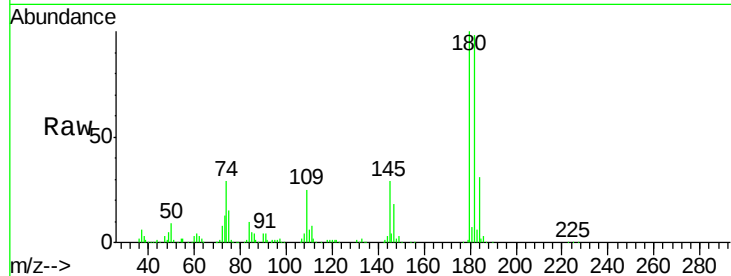
#93
 1,2,4-Trichlorobenzene
 Concen: 53.71 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	175678		
182	96.5	48.0	144.2	
145	29.9	14.7	44.1	

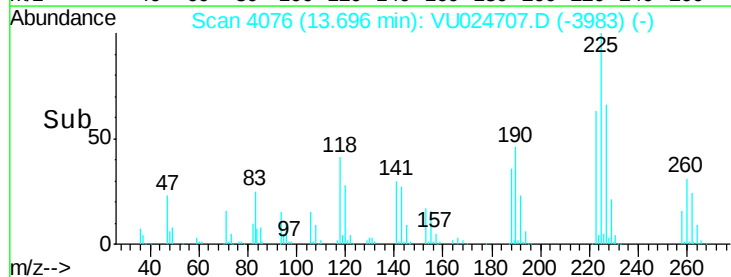
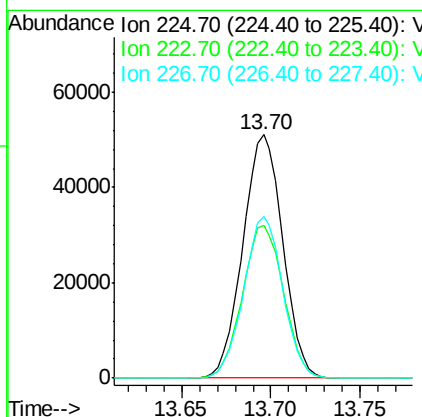
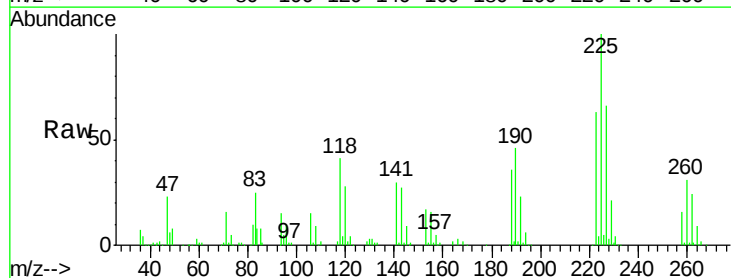
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#94
 Hexachlorobutadiene
 Concen: 43.31 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024707.D
 Acq: 18 Jun 2018 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79734		
223	64.3	31.3	93.8	
227	64.9	31.8	95.4	





#95

Naphthalene

Concen: 57.26 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Instrument :

MSVOA_U

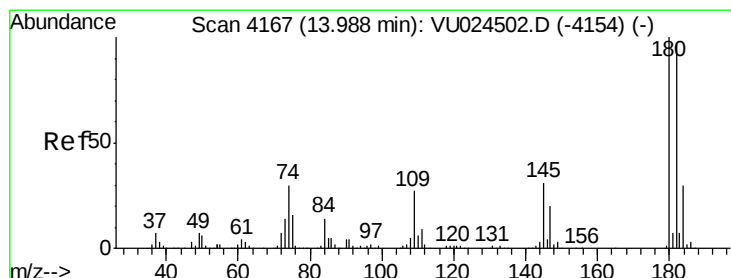
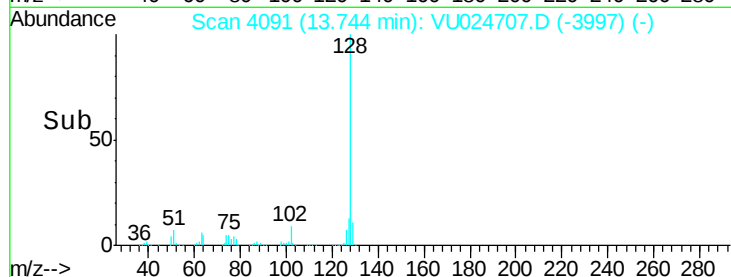
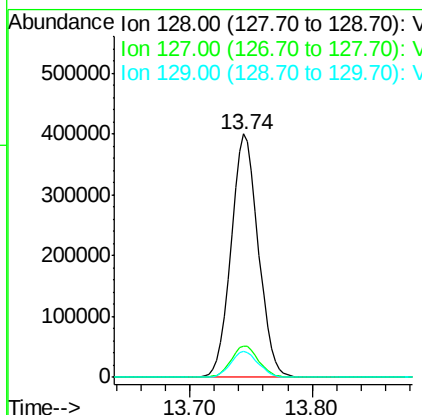
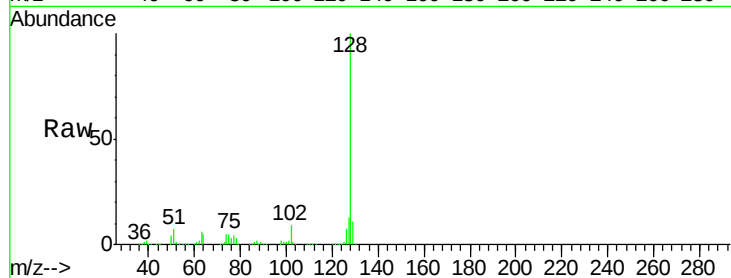
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	621147
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.8	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 57.19 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024707.D

Acq: 18 Jun 2018 21:28

Tgt Ion:	180	Resp:	186390
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.9	143.7
145	31.1	15.4	46.1

