

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U121518\
 Data File : VU028680.D
 Acq On : 14 Dec 2018 13:49
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/17/2018 9:48:34 AM

Quant Time: Dec 15 00:29:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	76841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	126691	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	121140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	61115	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	61495	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
35) Dibromofluoromethane	4.88	113	45250	56.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.52%	
50) Toluene-d8	7.56	98	174646	55.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.74%	
62) 4-Bromofluorobenzene	10.30	95	66342	56.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	48323	46.918	ug/l	96
3) Chloromethane	1.33	50	80653	42.594	ug/l	99
4) Vinyl Chloride	1.40	62	63082	46.163	ug/l	100
5) Bromomethane	1.61	94	26055	47.333	ug/l	99
6) Chloroethane	1.68	64	36451	47.118	ug/l	99
7) Trichlorofluoromethane	1.88	101	69847	48.582	ug/l	97
8) Diethyl Ether	2.10	74	30830	45.834	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	41506	48.271	ug/l	99
10) Methyl Iodide	2.41	142	42493	62.982	ug/l	99
11) Tert butyl alcohol	2.83	59	65250	249.751	ug/l	99
12) 1,1-Dichloroethene	2.28	96	38885	45.451	ug/l	96
13) Acrolein	2.19	56	57418	275.685	ug/l	97
14) Allyl chloride	2.59	41	93855	46.373	ug/l	99
15) Acrylonitrile	2.93	53	186093	256.559	ug/l	99
16) Acetone	2.32	43	191677	250.491	ug/l	99
17) Carbon Disulfide	2.48	76	136676	44.345	ug/l	100
18) Methyl Acetate	2.61	43	109998	55.454	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	156891	48.375	ug/l	98
20) Methylene Chloride	2.70	84	51072	45.276	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	45502	47.238	ug/l	98
22) Diisopropyl ether	3.57	45	198299	50.383	ug/l	99
23) Vinyl Acetate	3.52	43	823753	253.741	ug/l	99
24) 1,1-Dichloroethane	3.44	63	100254	48.661	ug/l	99
25) 2-Butanone	4.26	43	274384	262.386	ug/l	99
26) 2,2-Dichloropropane	4.22	77	79251	48.547	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	52505	48.158	ug/l	99
28) Bromochloromethane	4.55	49	50162	53.558	ug/l	97
29) Tetrahydrofuran	4.64	42	173969	259.034	ug/l	99
30) Chloroform	4.67	83	91138	50.755	ug/l	93
31) Cyclohexane	4.99	56	95588	47.484	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	74709	50.096	ug/l	99
36) 1,1-Dichloropropene	5.13	75	70514	50.863	ug/l	99
37) Ethyl Acetate	4.38	43	97127	54.196	ug/l	98
38) Carbon Tetrachloride	5.13	117	60487	54.132	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	82365	48.698	ug/l	99
40) Benzene	5.39	78	212315	51.998	ug/l	97
41) Methacrylonitrile	4.54	41	54472	55.501	ug/l	99
42) 1,2-Dichloroethane	5.40	62	75485	52.814	ug/l	99
43) Isopropyl Acetate	5.55	43	153295	54.079	ug/l	98
44) Trichloroethene	6.18	130	47204	51.994	ug/l	96
45) 1,2-Dichloropropane	6.43	63	62677	54.587	ug/l	99
46) Dibromomethane	6.56	93	36499	53.575	ug/l	99
47) Bromodichloromethane	6.75	83	72105	54.390	ug/l	98
48) Methyl methacrylate	6.62	41	77603	55.050	ug/l	99
49) 1,4-Dioxane	6.61	88	25020	1124.070	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	494209	276.427	ug/l	99
52) Toluene	7.64	92	125516	52.233	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	85170	53.943	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	90397	52.771	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	52598	55.373	ug/l	98
56) Ethyl methacrylate	8.02	69	85566	52.603	ug/l	98
57) 1,3-Dichloropropane	8.24	76	92967	52.724	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	234055	280.920	ug/l	100
59) 2-Hexanone	8.36	43	386803	272.962	ug/l	100
60) Dibromochloromethane	8.48	129	50918	54.750	ug/l	99
61) 1,2-Dibromoethane	8.58	107	54031	54.242	ug/l	99
64) Tetrachloroethene	8.22	164	40089	49.613	ug/l	98
65) Chlorobenzene	9.12	112	131068	50.774	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	45438	55.122	ug/l	99
67) Ethyl Benzene	9.25	91	241919	50.980	ug/l	100
68) m/p-Xylenes	9.37	106	178997	103.663	ug/l	99
69) o-Xylene	9.78	106	86128	51.327	ug/l	100
70) Styrene	9.79	104	143822	51.790	ug/l	99
71) Bromoform	9.96	173	39894	56.891	ug/l #	100
73) Isopropylbenzene	10.16	105	231160	49.292	ug/l	100
74) N-amyl acetate	10.01	43	137676	50.895	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	94205	52.293	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	82522m	52.879	ug/l	
77) Bromobenzene	10.45	156	54668	49.844	ug/l	98
78) n-propylbenzene	10.59	91	290456	49.845	ug/l	100
79) 2-Chlorotoluene	10.66	91	169182	50.402	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	196992	50.746	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	31021m	48.885	ug/l	
82) 4-Chlorotoluene	10.77	91	195970	49.268	ug/l	100
83) tert-Butylbenzene	11.10	119	187615	50.143	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	202236	50.551	ug/l	99
85) sec-Butylbenzene	11.32	105	241058	50.150	ug/l	100
86) p-Isopropyltoluene	11.48	119	202162	49.511	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	101752	49.132	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	104867	48.942	ug/l	99
89) n-Butylbenzene	11.89	91	206855	50.057	ug/l	99
90) Hexachloroethane	12.14	117	34218	55.444	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	103991	50.199	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20845	53.447	ug/l	97

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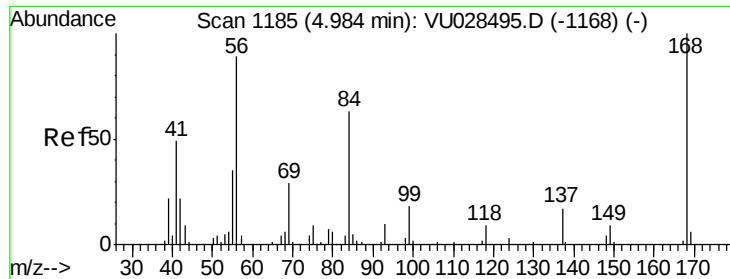
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	69170	48.615	ug/l	99
94) Hexachlorobutadiene	13.69	225	33613	49.534	ug/l	98
95) Naphthalene	13.74	128	235964	47.468	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	69866	49.316	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 76841

Ion Ratio Lower Upper

168 100

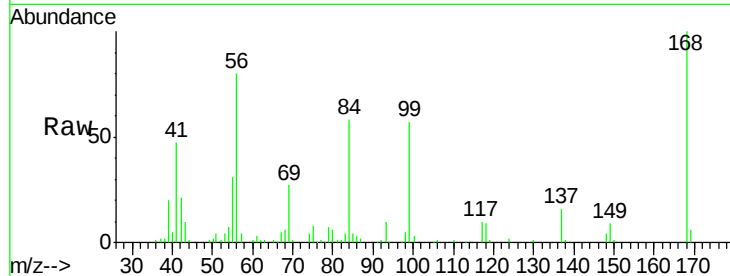
99 56.8 46.6 69.8

Manual Integrations

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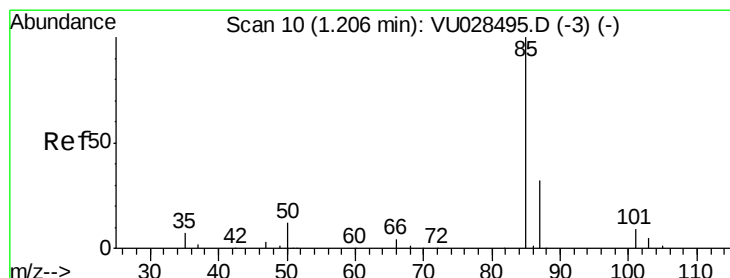
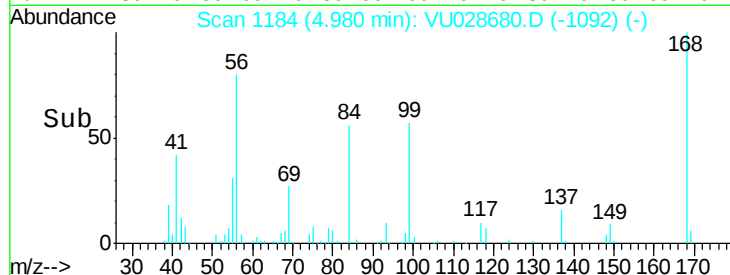
Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.918 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028680.D

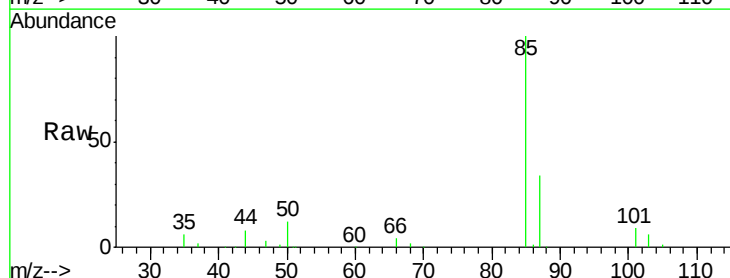
Acq: 14 Dec 2018 13:49

Tgt Ion: 85 Resp: 48323

Ion Ratio Lower Upper

85 100

87 33.7 15.9 47.6



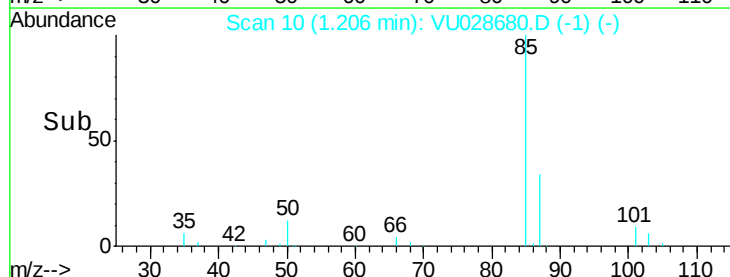
Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 42.594 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 80653

Ion Ratio Lower Upper

50 100

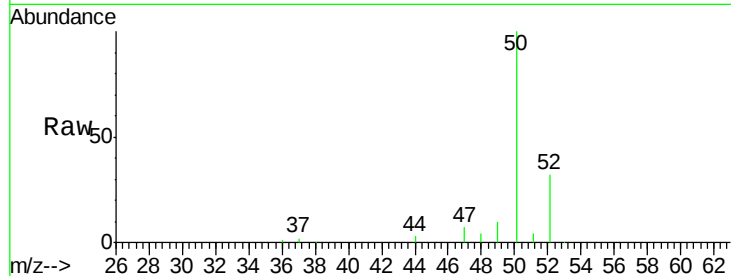
52 32.4 25.5 38.3

Manual Integrations

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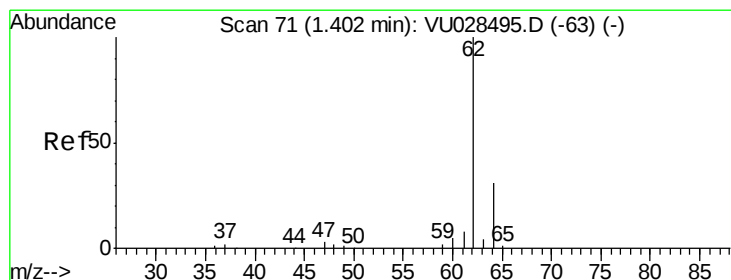
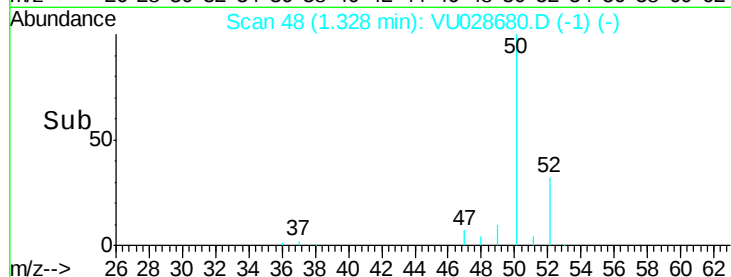
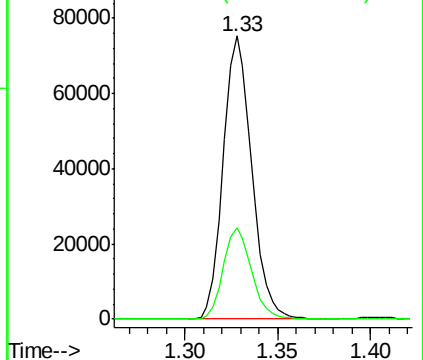
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 46.163 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028680.D

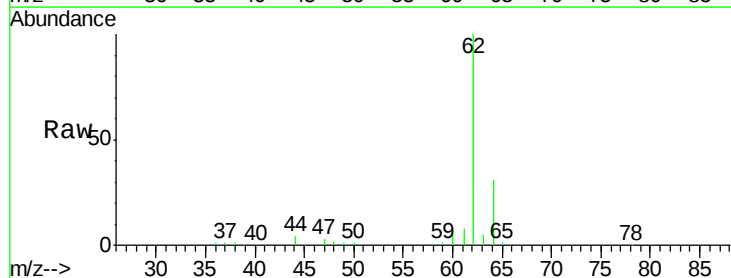
Acq: 14 Dec 2018 13:49

Tgt Ion: 62 Resp: 63082

Ion Ratio Lower Upper

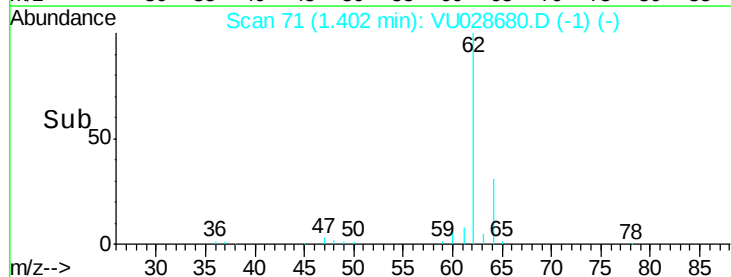
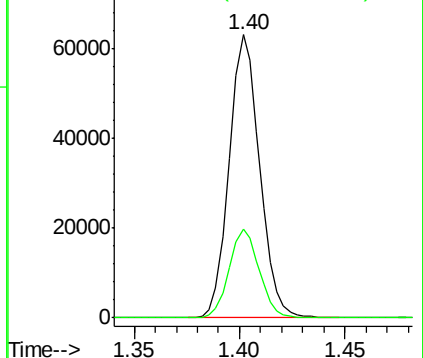
62 100

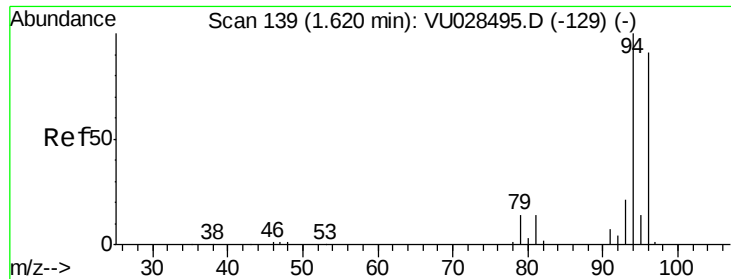
64 31.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 47.333 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 26055

Ion Ratio Lower Upper

94 100

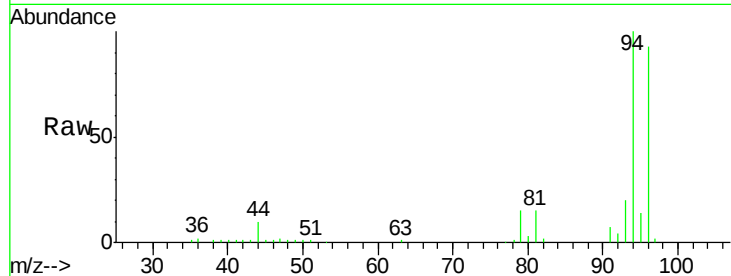
96 92.8 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

25000

20000

15000

10000

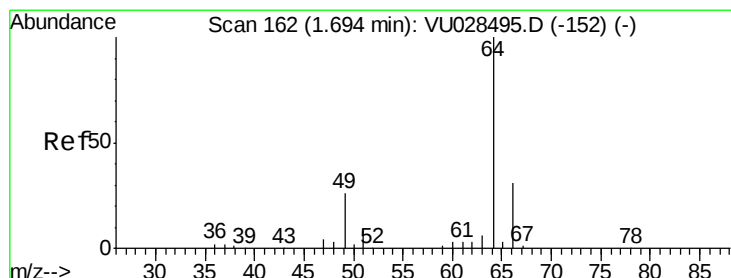
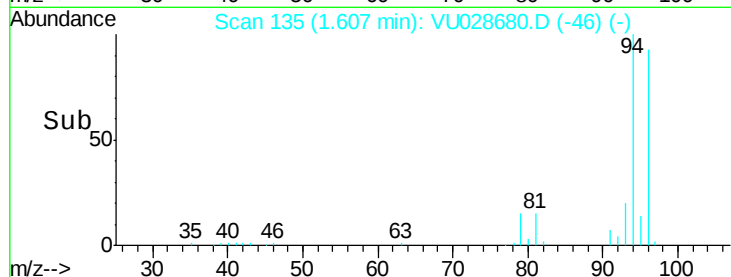
5000

0

Time-->

1.55 1.60 1.65

1.61



#6

Chloroethane

Concen: 47.118 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028680.D

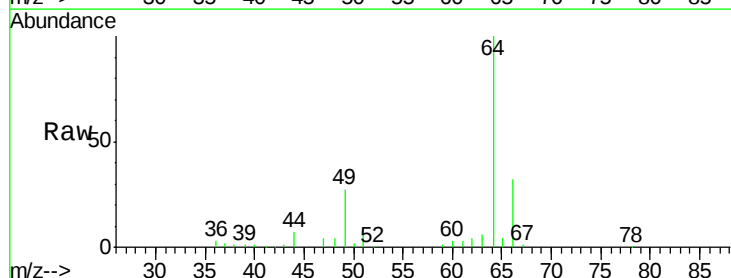
Acq: 14 Dec 2018 13:49

Tgt Ion: 64 Resp: 36451

Ion Ratio Lower Upper

64 100

66 31.9 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

30000

25000

20000

15000

10000

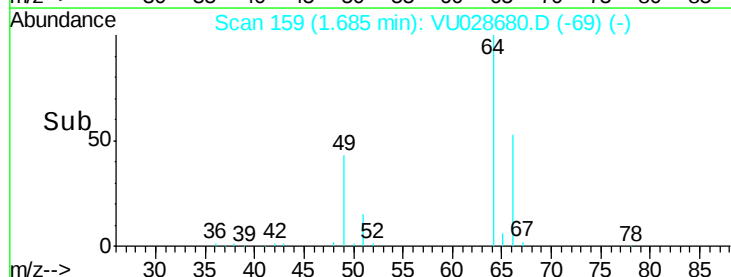
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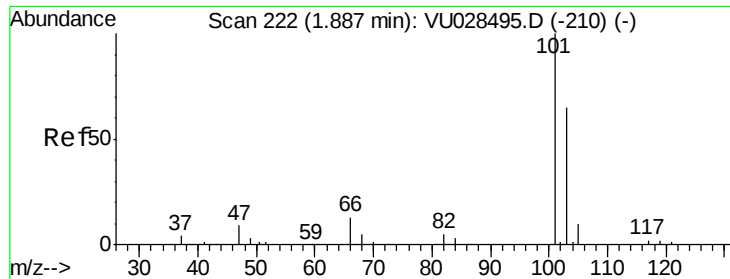
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Time-->

1.65 1.70 1.75

1.68





#7

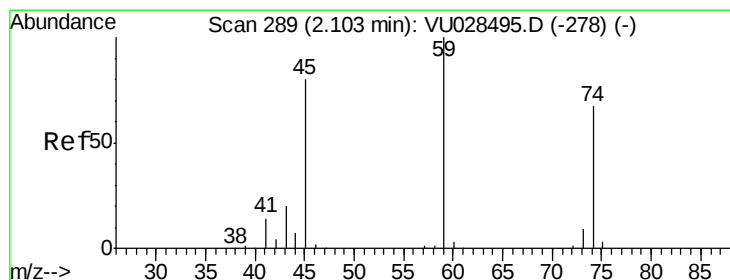
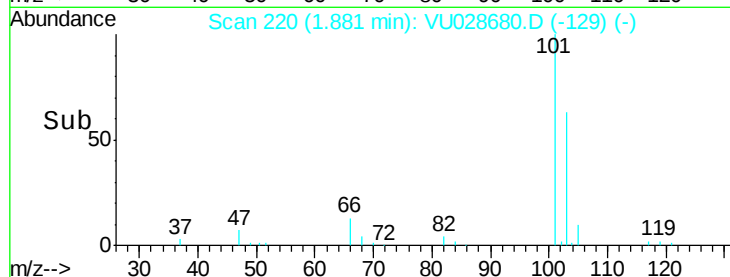
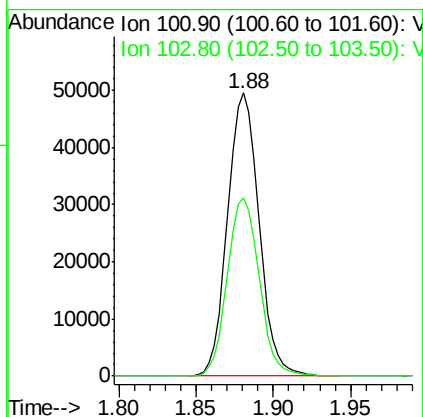
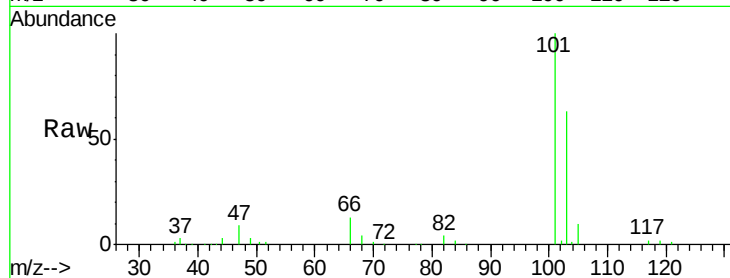
Trichlorofluoromethane
Concen: 48.582 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
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ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 69847
Ion Ratio Lower Upper
101 100
103 63.2 52.3 78.5

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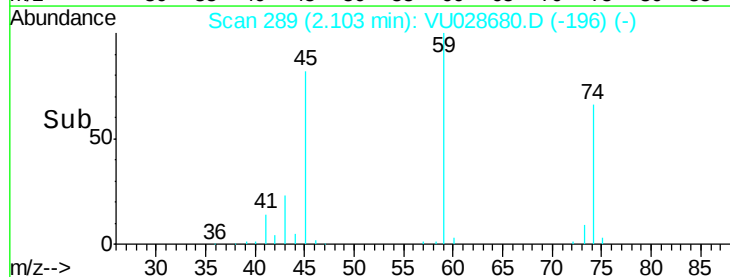
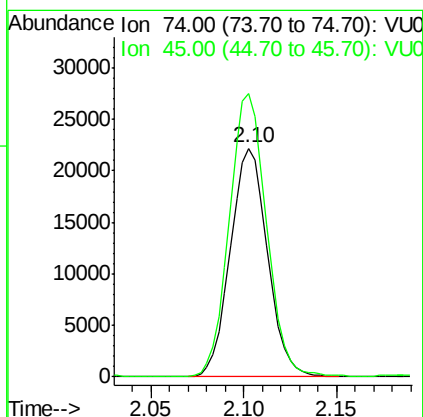
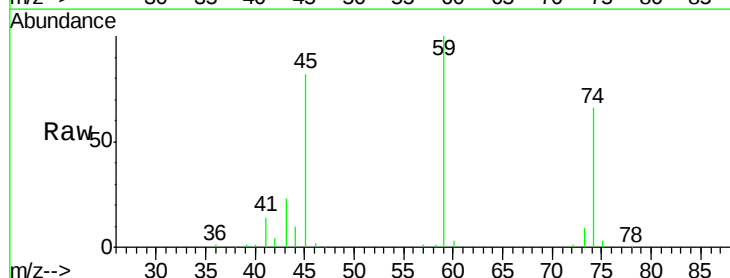
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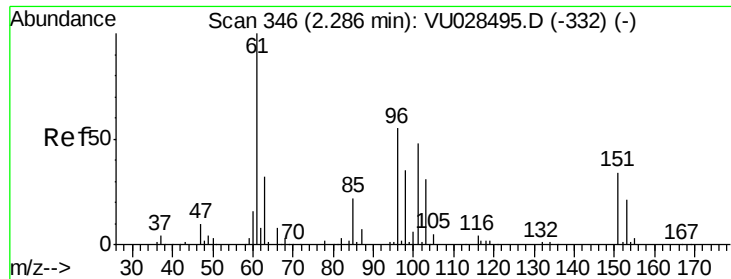


#8

Diethyl Ether
Concen: 45.834 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 74 Resp: 30830
Ion Ratio Lower Upper
74 100
45 124.5 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.271 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

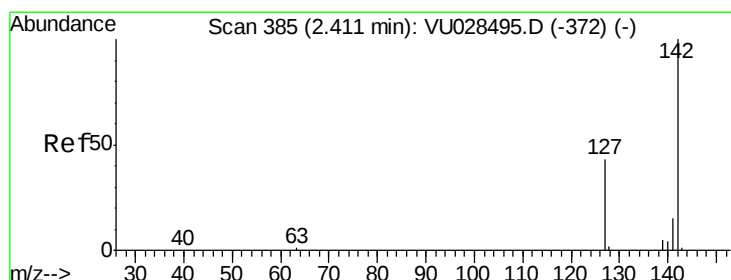
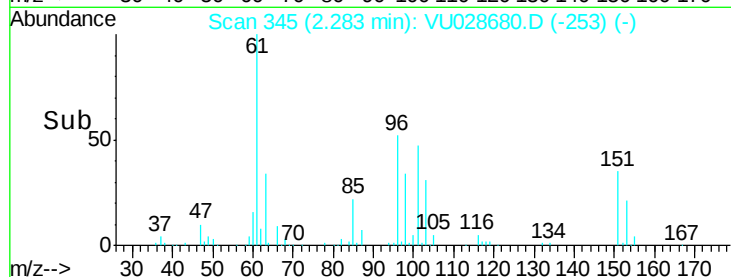
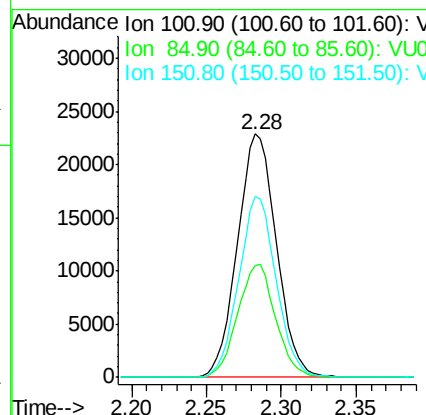
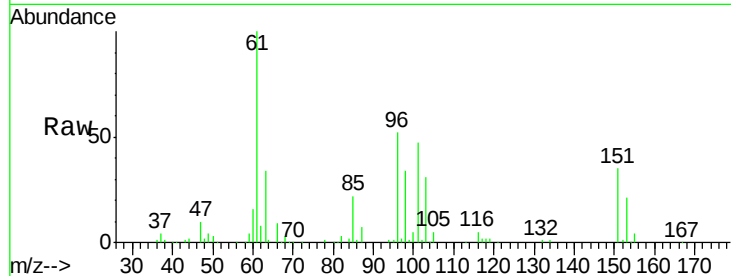
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	41506
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.4	54.6
151	71.3	58.2	87.2

Manual Integrations
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#10

Methyl Iodide

Concen: 62.982 ug/l

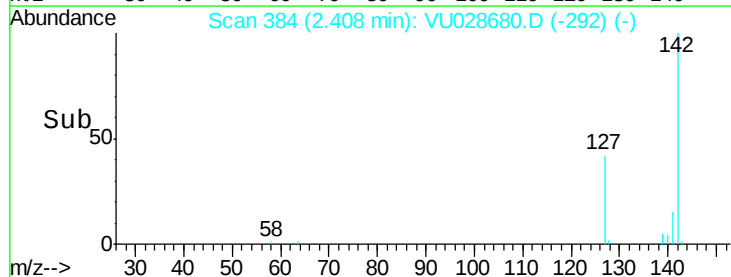
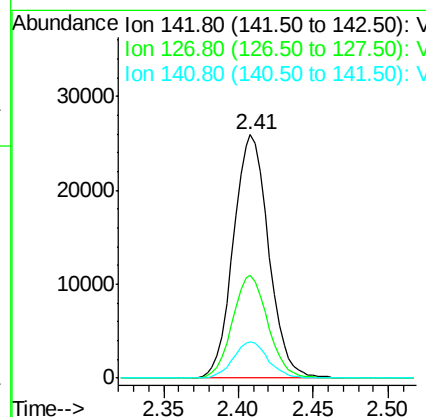
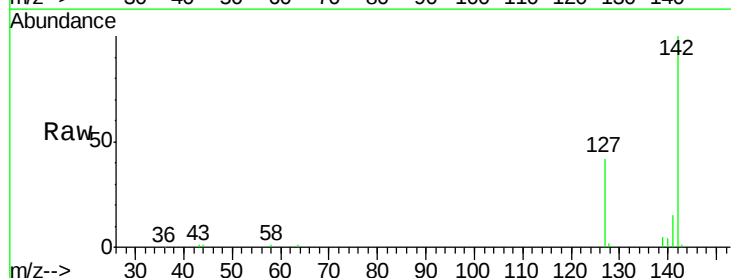
RT: 2.41 min Scan# 384

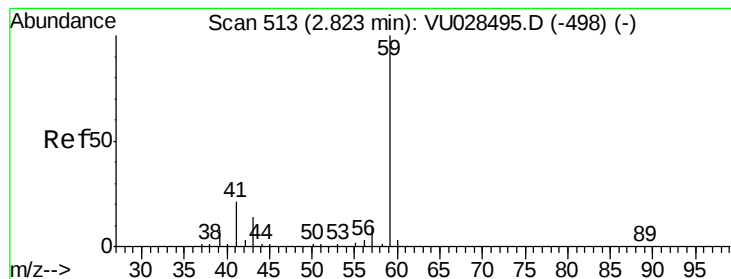
Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Tgt Ion:	142	Resp:	42493
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.5	50.3
141	14.6	11.2	16.8





#11

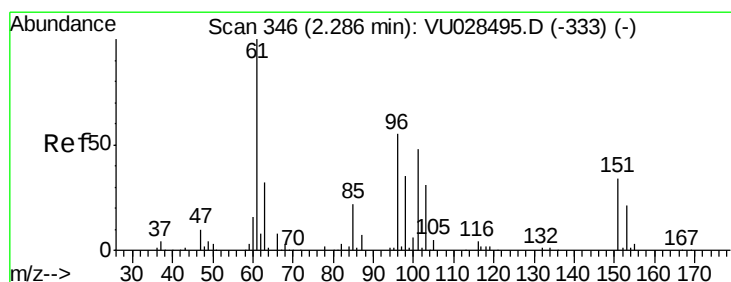
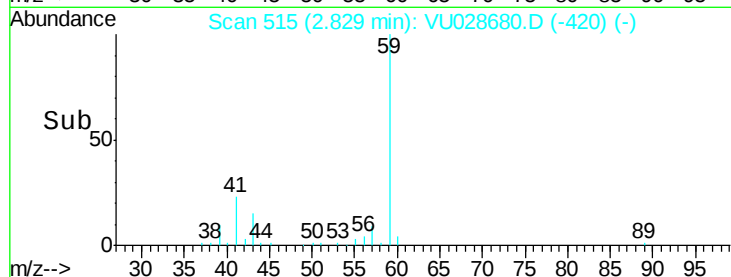
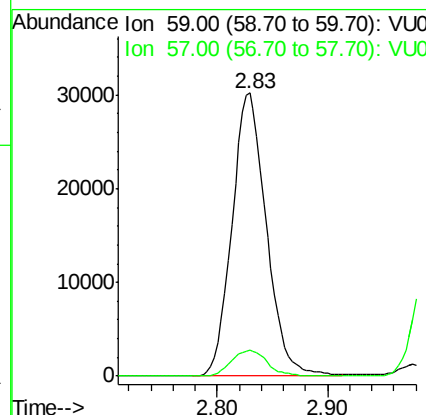
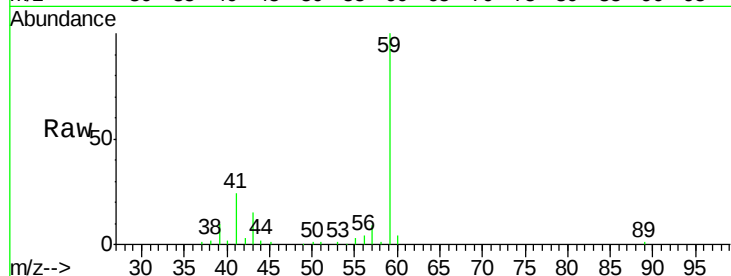
Tert butyl alcohol
Concen: 249.751 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	65250		
57	9.5		8.0	12.0

Manual Integrations
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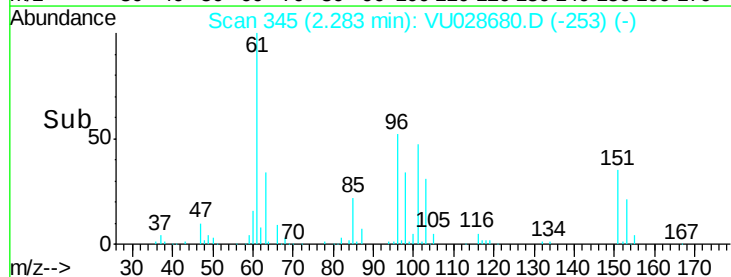
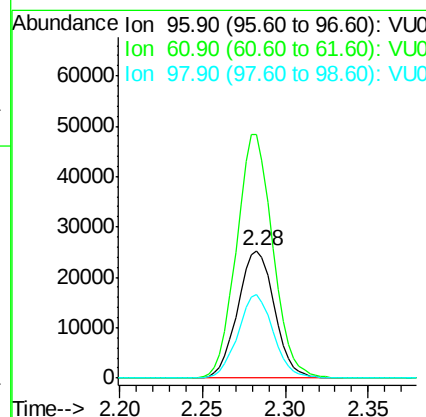
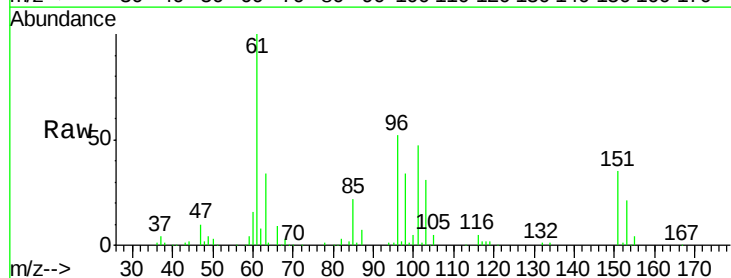
MMDadoda
12/17/2018 9:48:34 AM

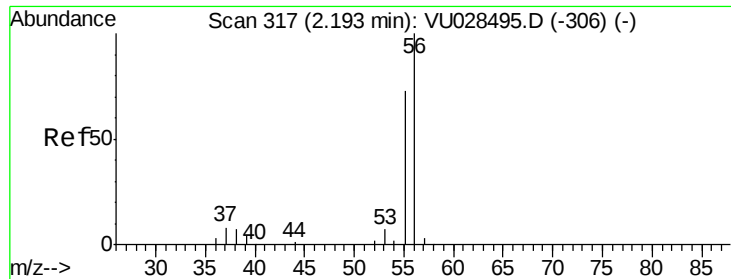


#12

1,1-Dichloroethene
Concen: 45.451 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	38885		
61	190.9		146.4	219.6
98	65.1		51.8	77.8





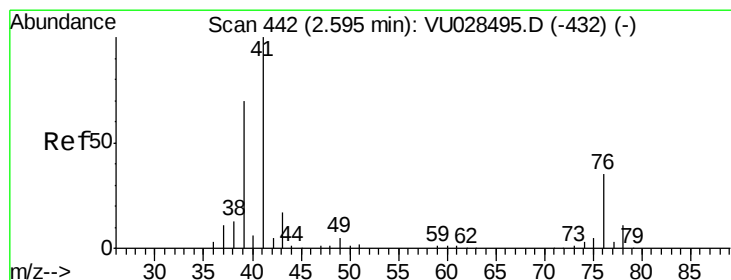
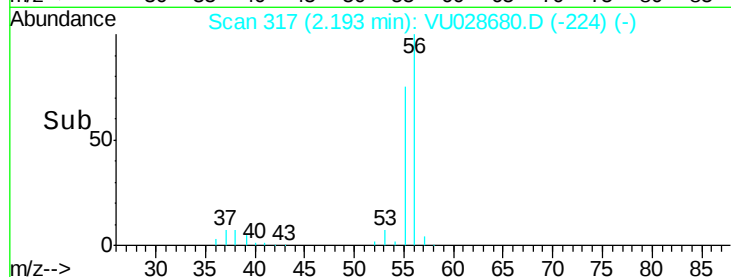
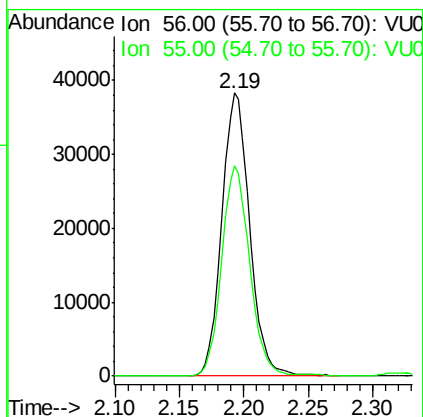
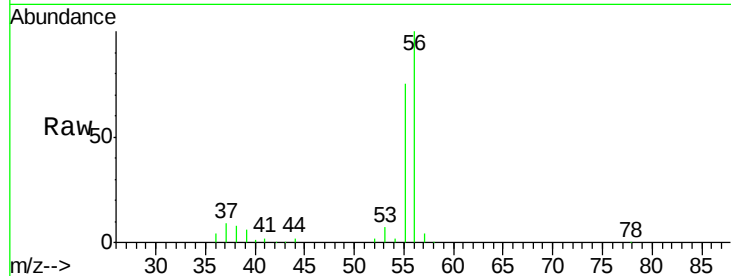
#13
Acrolein
Concen: 275.685 ug/l
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 57418
Ion Ratio Lower Upper
56 100
55 74.5 57.5 86.3

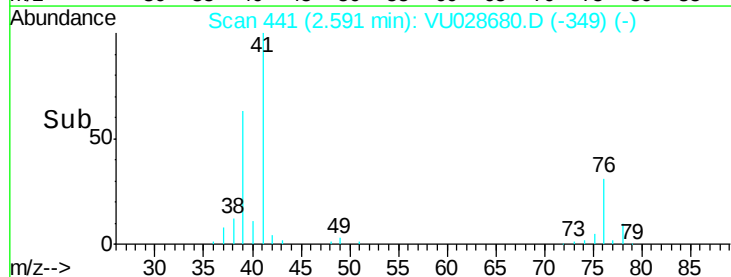
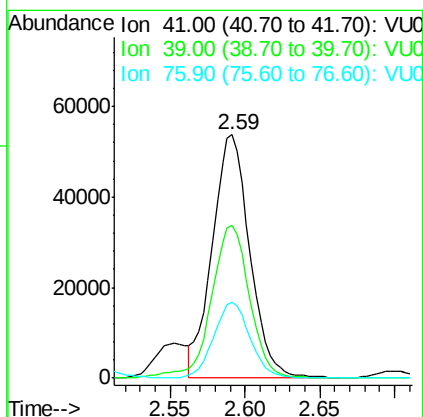
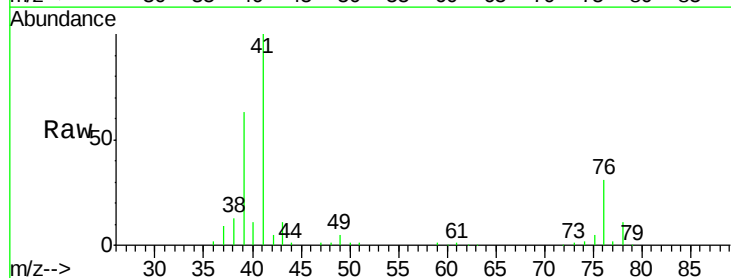
Manual Integrations
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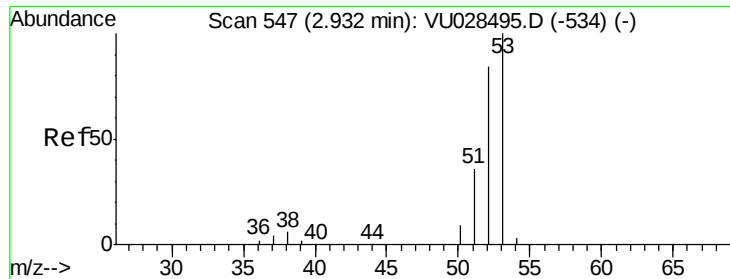
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#14
Allyl chloride
Concen: 46.373 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 41 Resp: 93855
Ion Ratio Lower Upper
41 100
39 64.3 50.8 76.2
76 30.3 24.8 37.2





#15

Acrylonitrile

Concen: 256.559 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

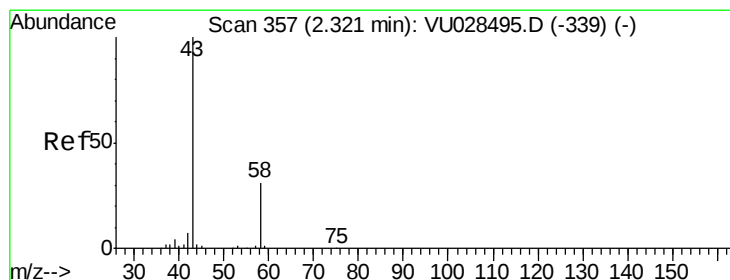
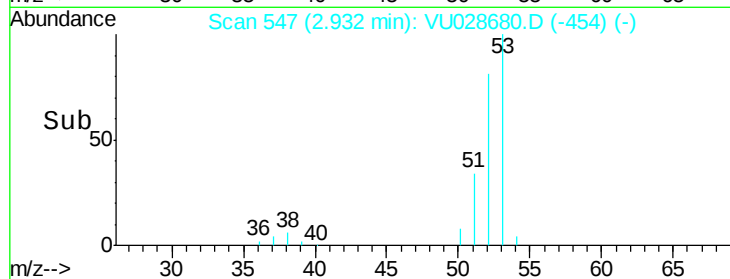
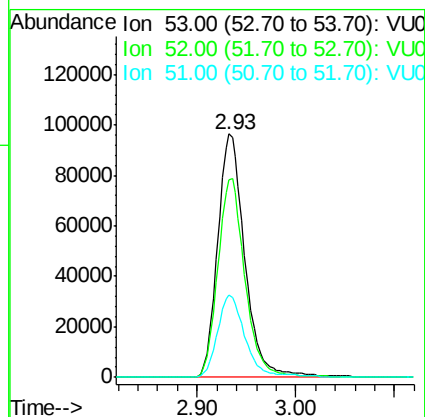
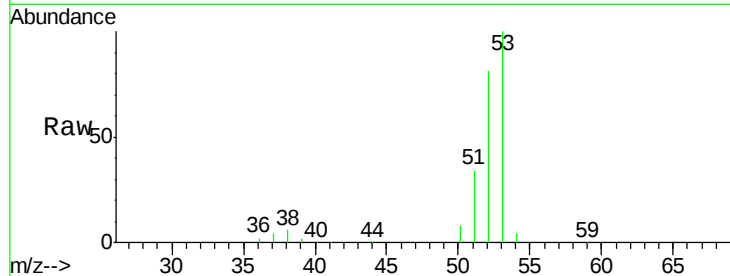
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	186093
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.1	99.1
51	34.7	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 250.491 ug/l

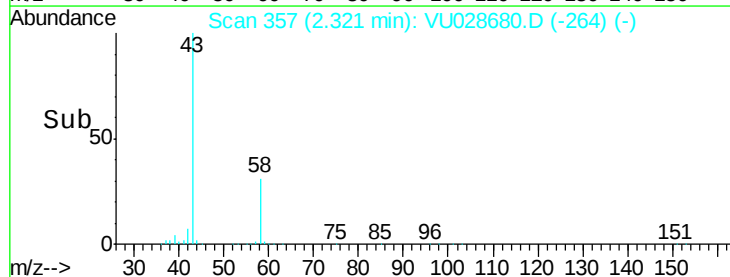
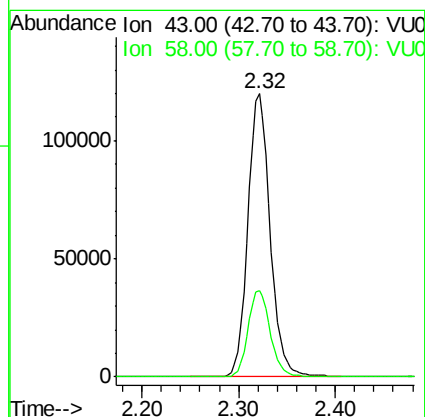
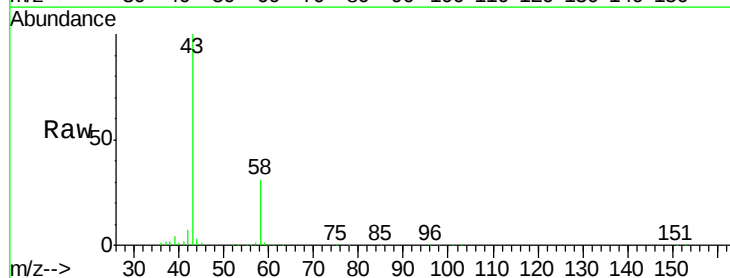
RT: 2.32 min Scan# 357

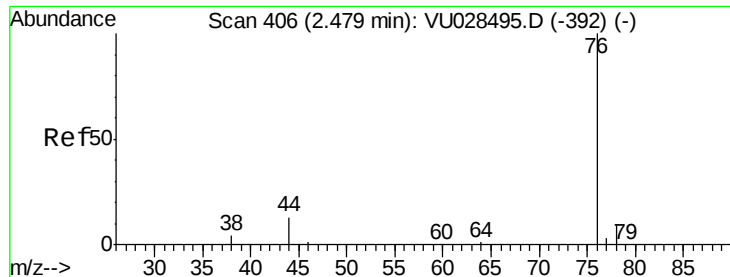
Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Tgt Ion:	43	Resp:	191677
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.6	37.0





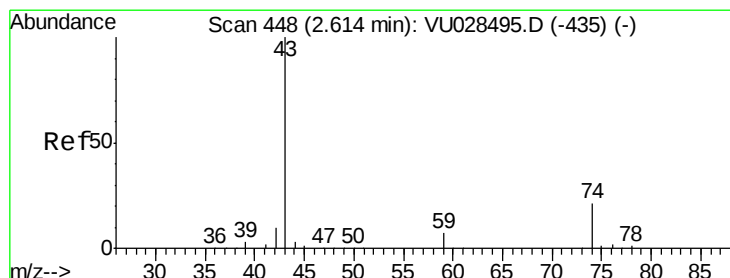
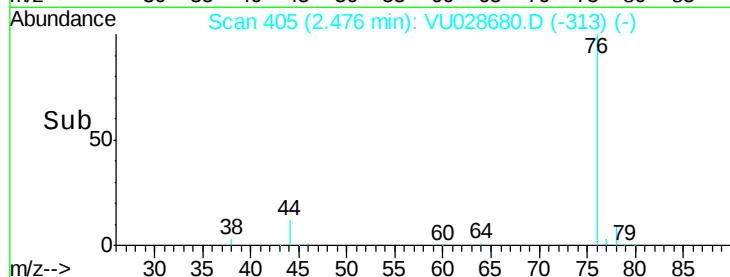
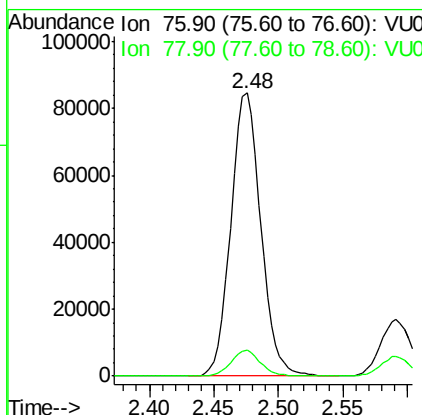
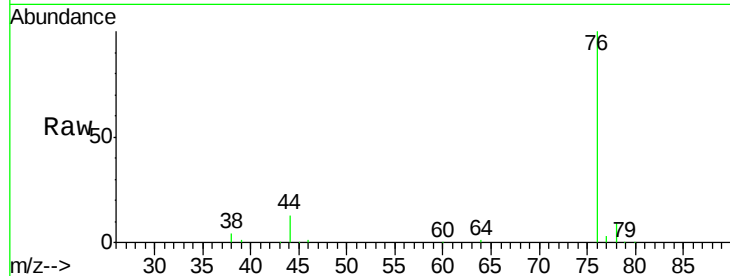
#17
Carbon Disulfide
Concen: 44.345 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 136676
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

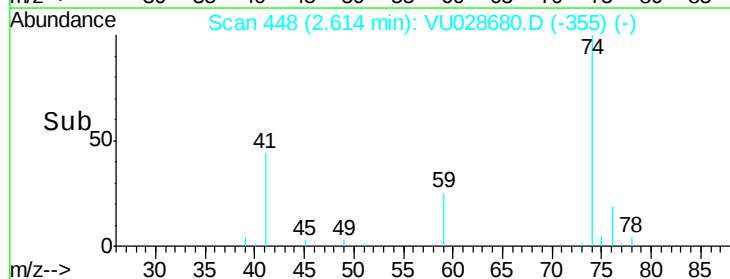
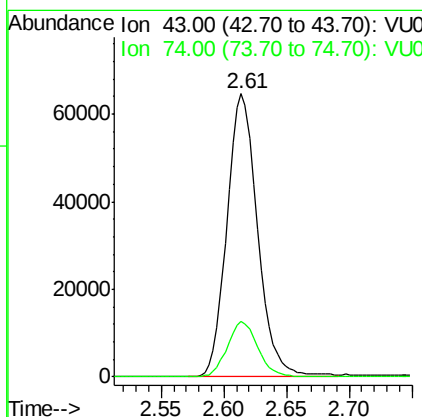
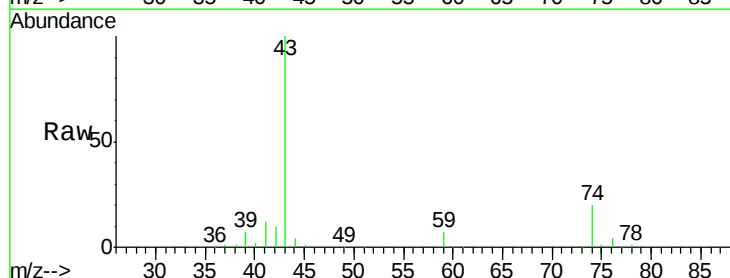
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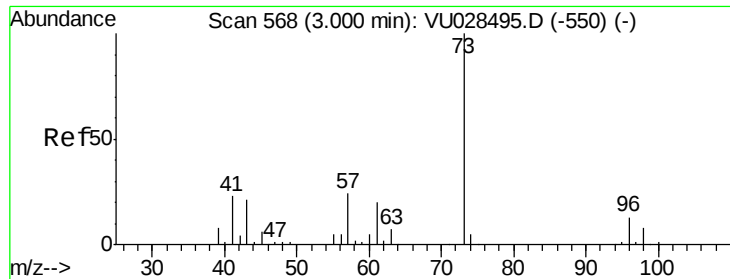
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#18
Methyl Acetate
Concen: 55.454 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 43 Resp: 109998
Ion Ratio Lower Upper
43 100
74 19.5 16.4 24.6





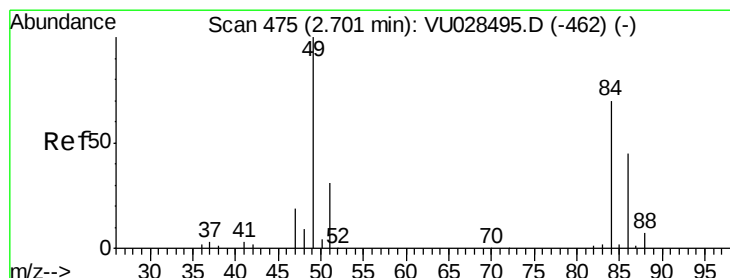
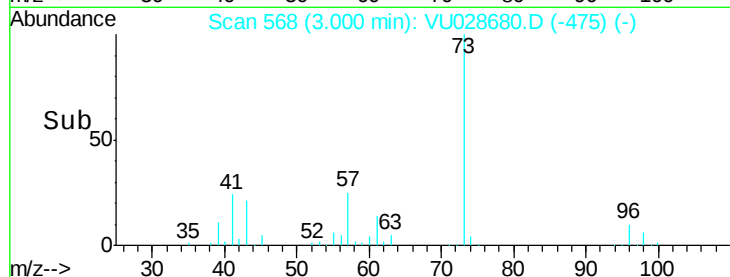
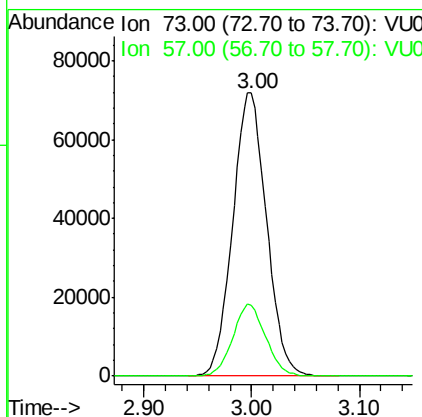
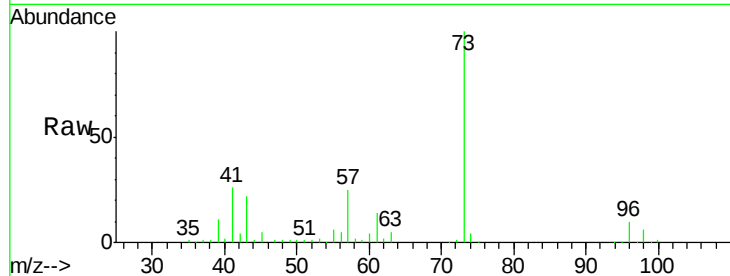
#19
Methyl tert-butyl Ether
Concen: 48.375 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 156891
Ion Ratio Lower Upper
73 100
57 25.3 19.4 29.2

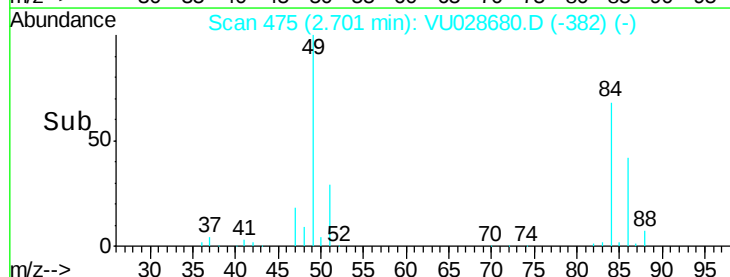
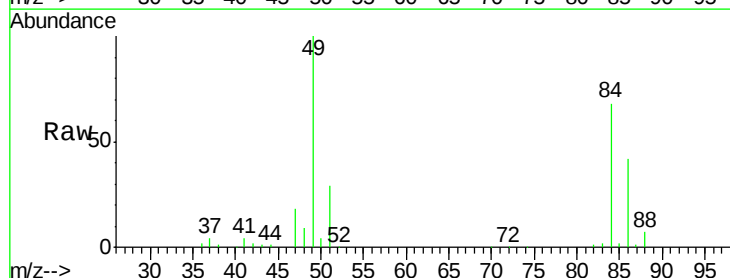
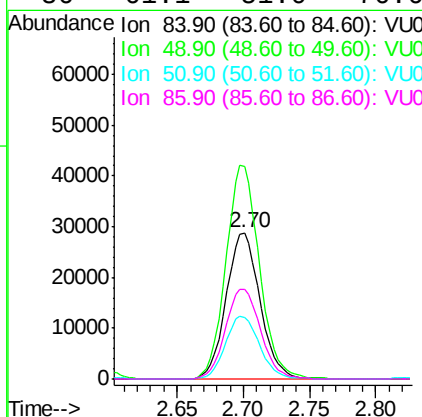
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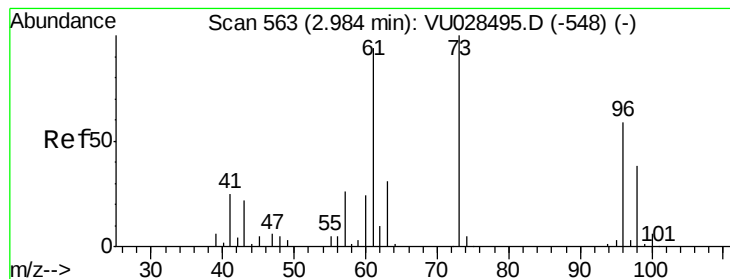
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#20
Methylene Chloride
Concen: 45.276 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 84 Resp: 51072
Ion Ratio Lower Upper
84 100
49 146.0 114.0 171.0
51 42.4 35.1 52.7
86 61.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.238 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 45502

Ion Ratio Lower Upper

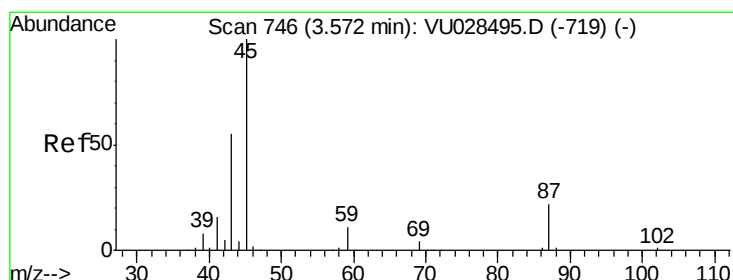
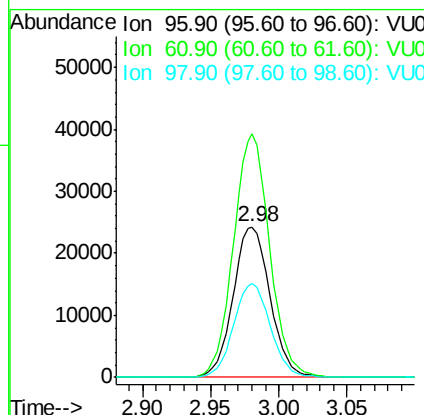
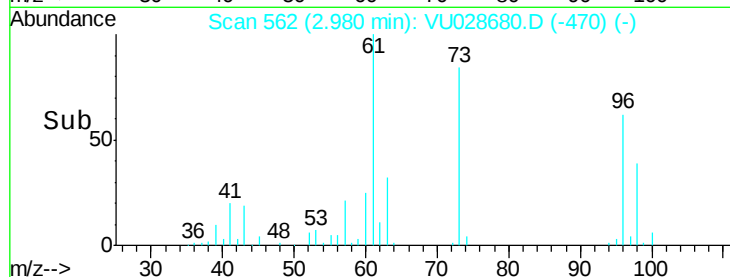
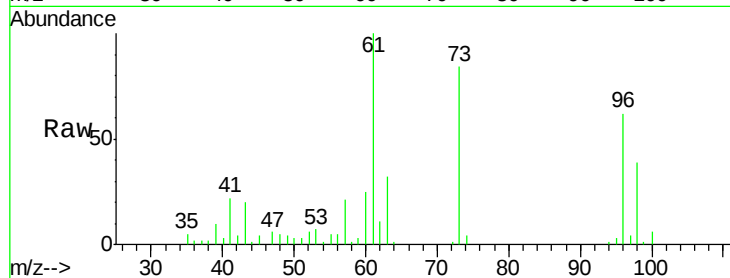
96 100

61 161.6 127.0 190.4

98 62.4 51.9 77.9

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#22

Diisopropyl ether

Concen: 50.383 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Tgt Ion: 45 Resp: 198299

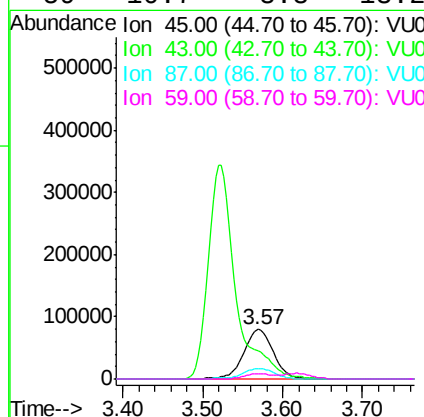
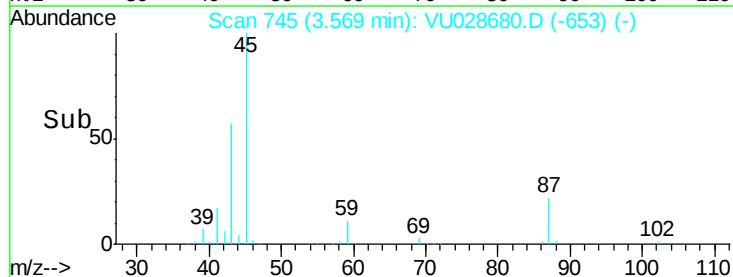
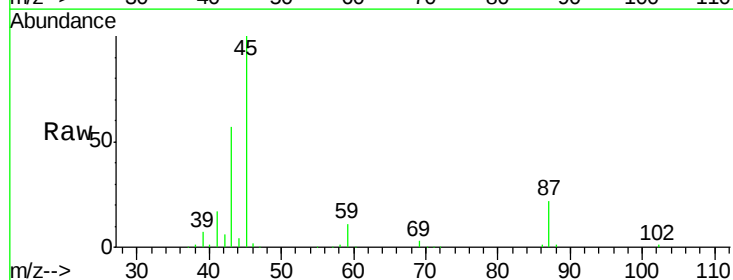
Ion Ratio Lower Upper

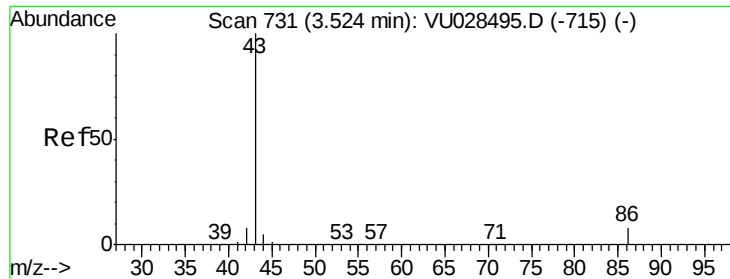
45 100

43 56.3 45.3 67.9

87 21.6 17.6 26.4

59 10.7 8.8 13.2





#23

Vinyl Acetate

Concen: 253.741 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 823753

Ion Ratio Lower Upper

43 100

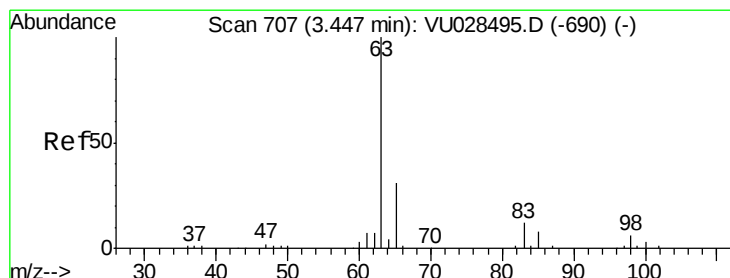
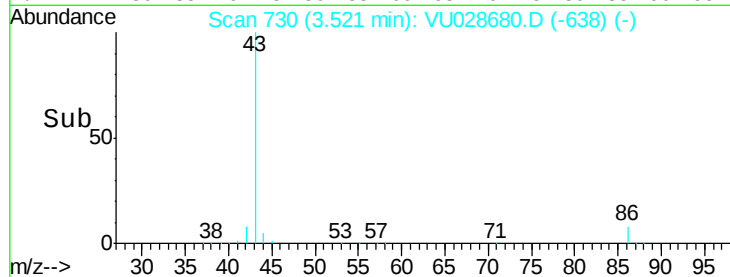
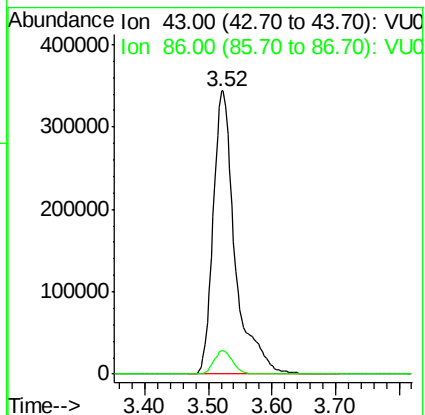
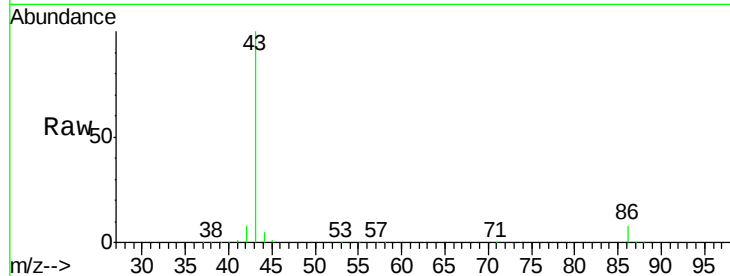
86 8.1 6.8 10.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.661 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

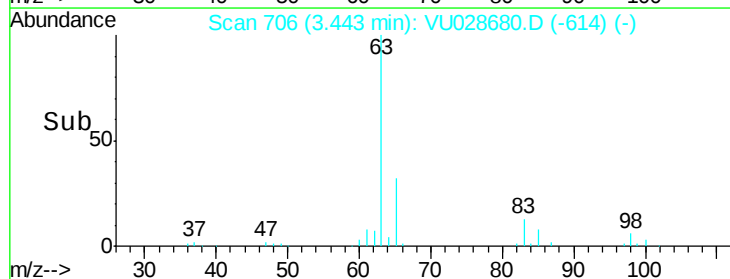
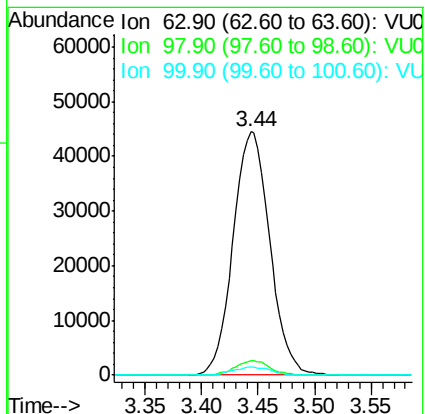
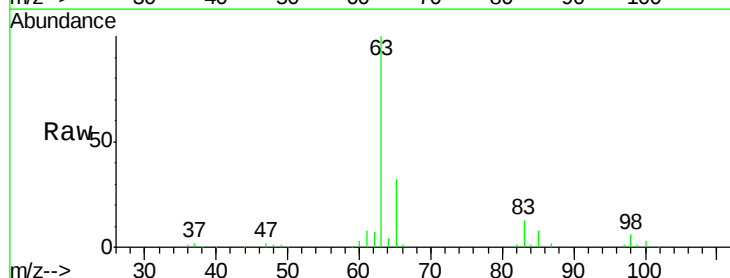
Tgt Ion: 63 Resp: 100254

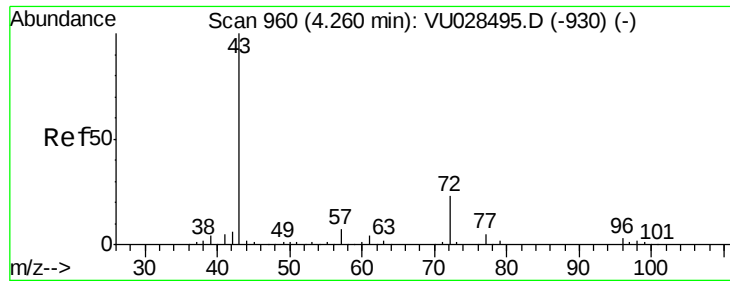
Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.4 1.7 5.1





#25

2-Butanone

Concen: 262.386 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 274384

Ion Ratio Lower Upper

43 100

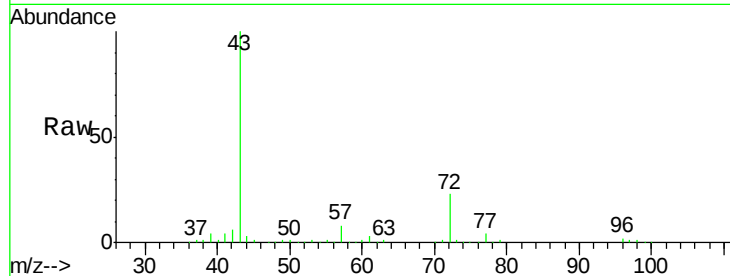
72 22.6 18.6 28.0

Manual Integrations

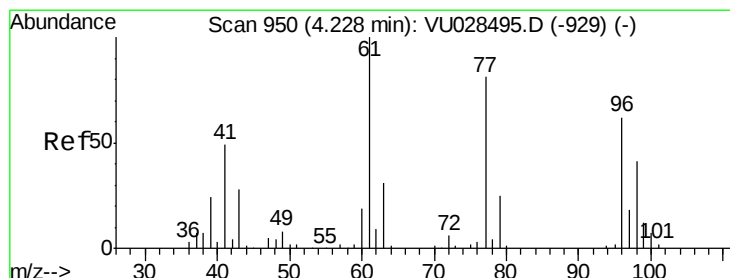
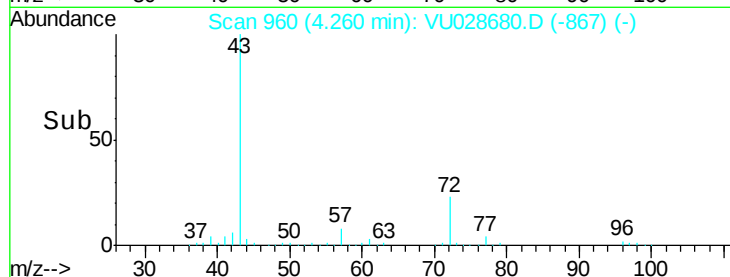
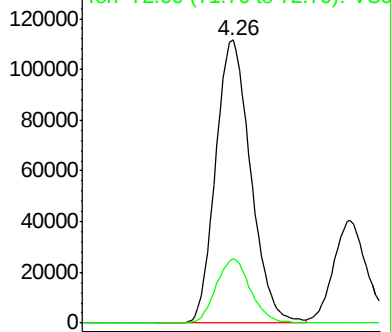
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12/17/2018 9:48:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-930) (-)



#26

2,2-Dichloropropane

Concen: 48.547 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028680.D

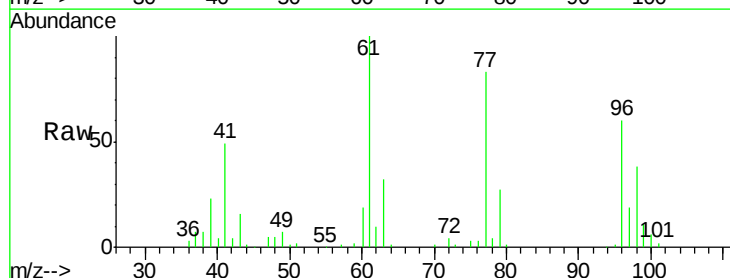
Acq: 14 Dec 2018 13:49

Tgt Ion: 77 Resp: 79251

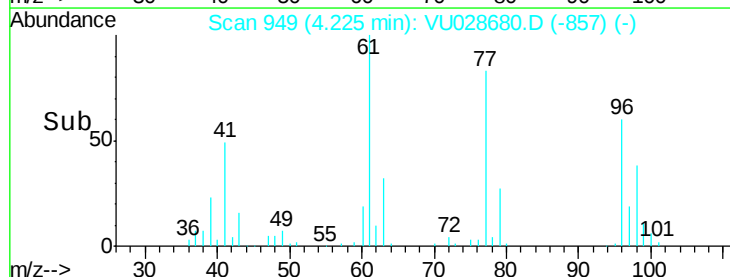
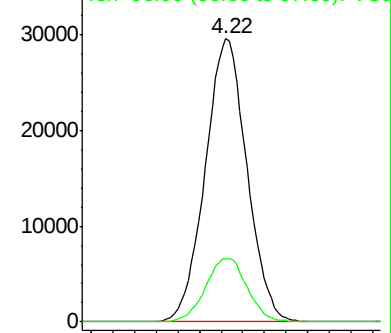
Ion Ratio Lower Upper

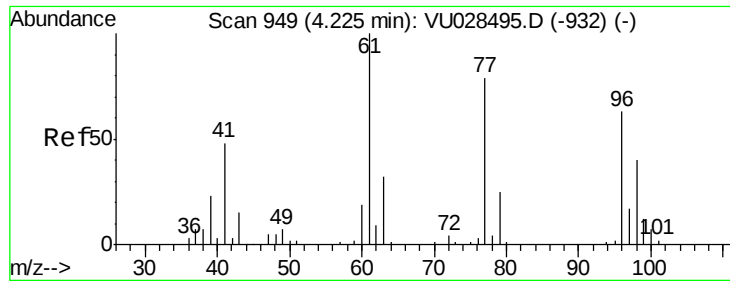
77 100

97 22.4 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU028495.D (-929) (-)





#27

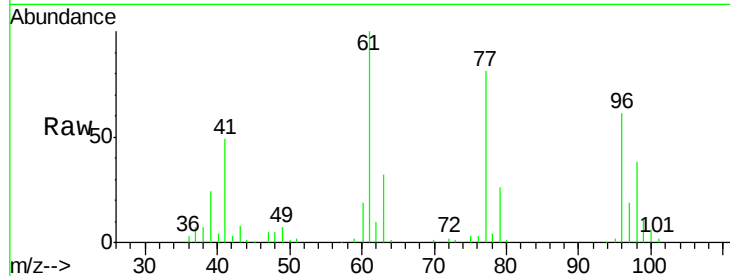
cis-1,2-Dichloroethene
Concen: 48.158 ug/l
RT: 4.22 min Scan# 948
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

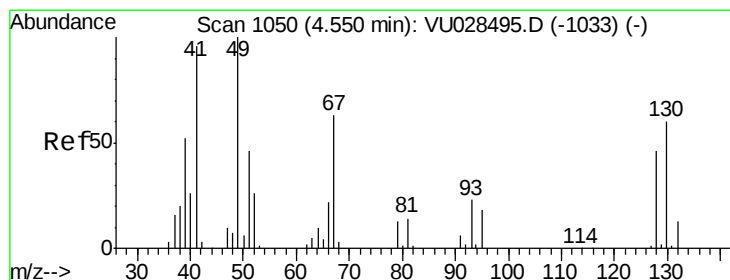
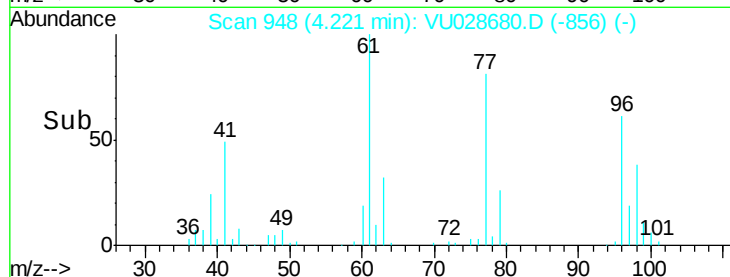
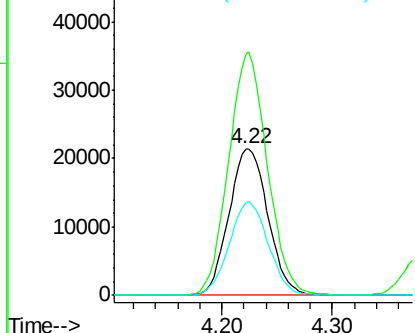
Tgt Ion	Ratio	Resp	Lower	Upper
96	100	52505		
61	164.8	0.0	332.4	
98	63.8	0.0	129.0	

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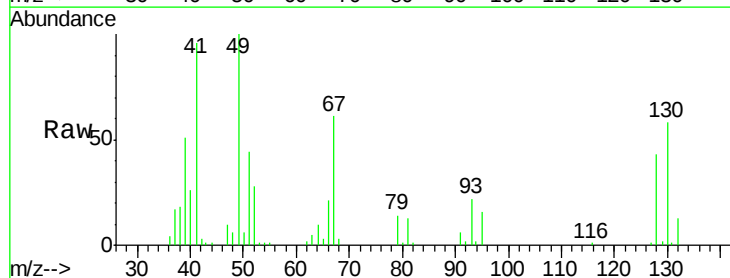
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



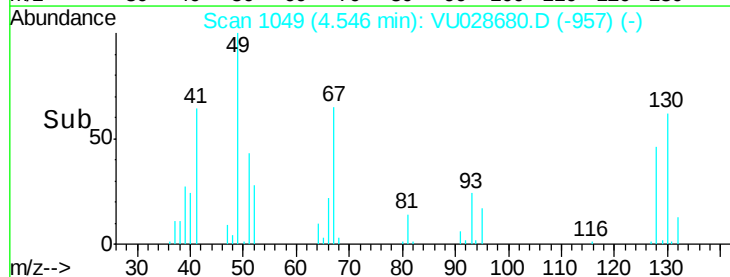
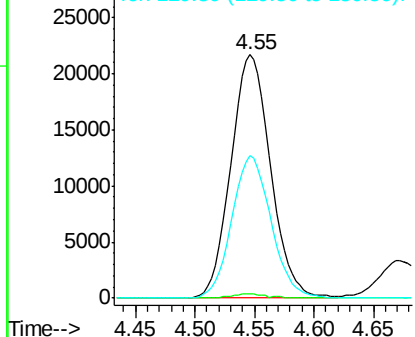
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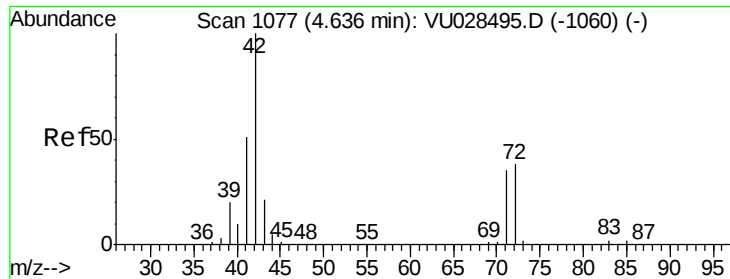
Bromochloromethane
Concen: 53.558 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	50162		
129	1.3	0.0	3.0	
130	57.7	47.8	71.8	



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





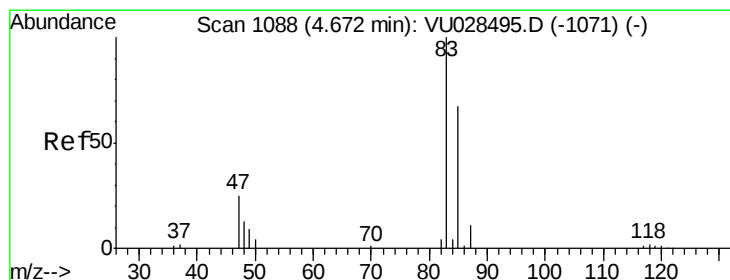
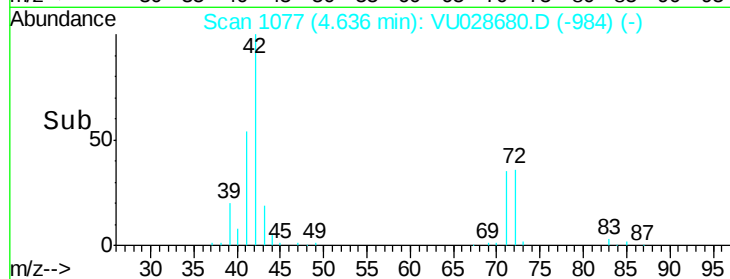
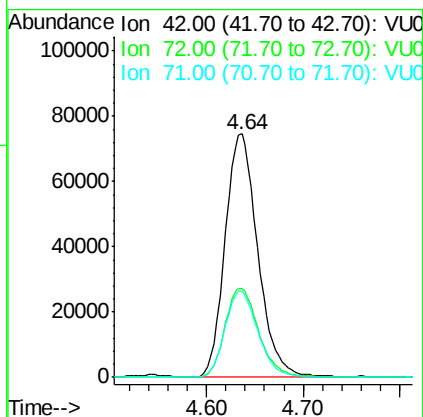
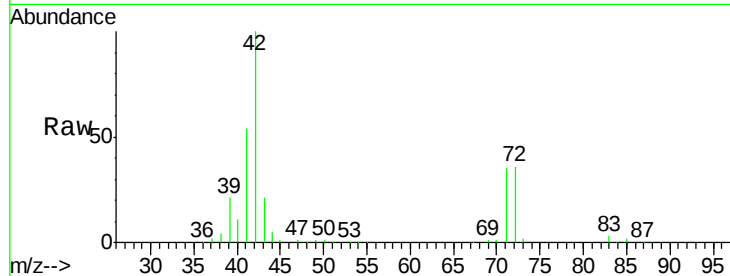
#29
Tetrahydrofuran
Concen: 259.034 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.9	31.4	47.0
71	36.1	28.6	43.0

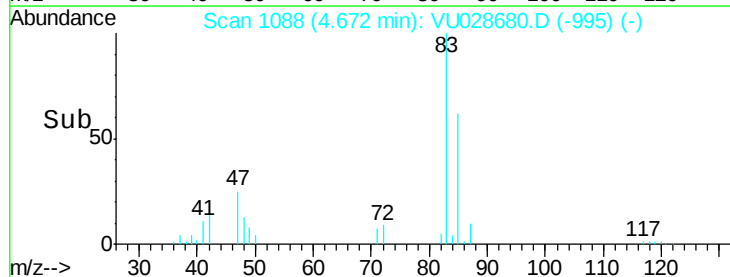
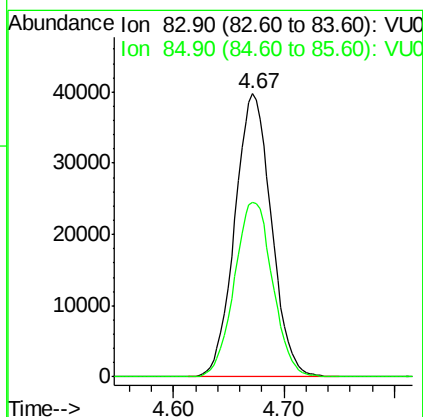
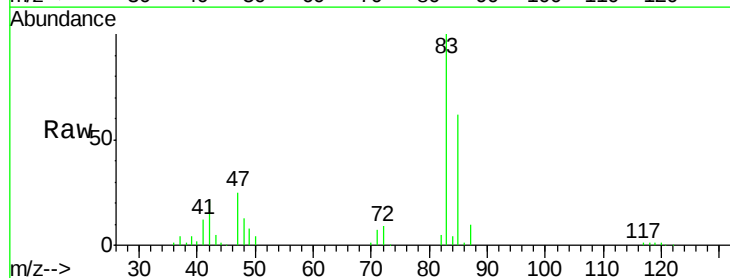
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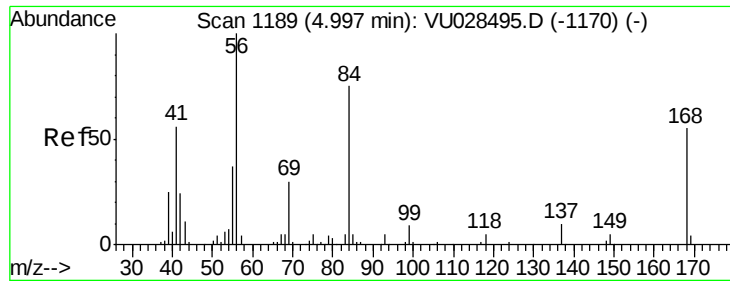
MMDadoda
12/17/2018 9:48:34 AM



#30
Chloroform
Concen: 50.755 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.5	53.6	80.4





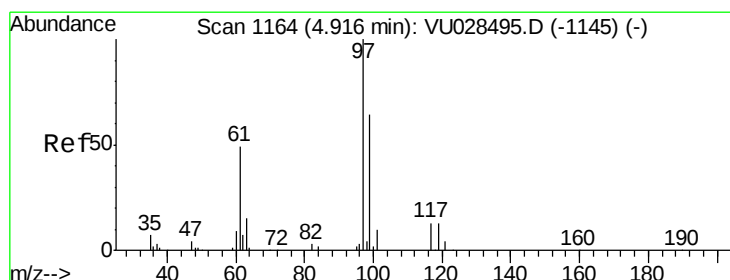
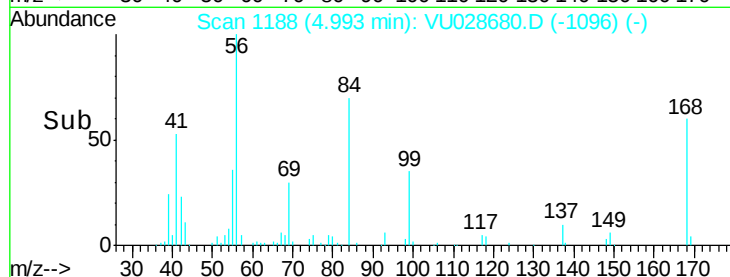
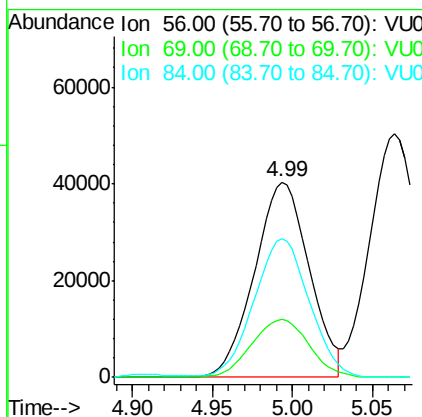
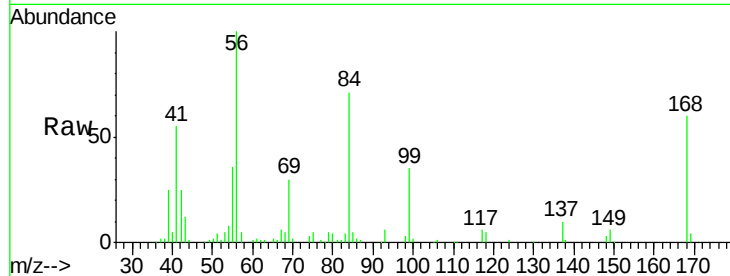
#31
Cyclohexane
Concen: 47.484 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.6	24.0	36.0
84	70.5	59.7	89.5

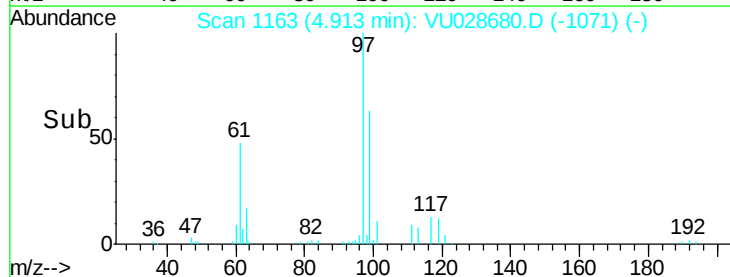
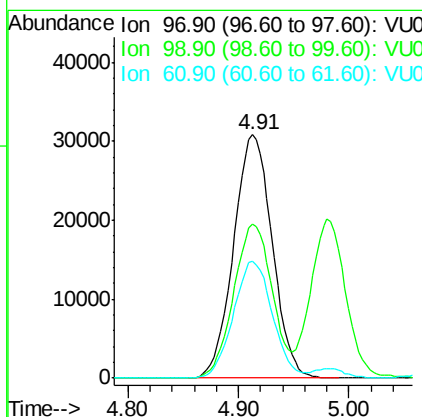
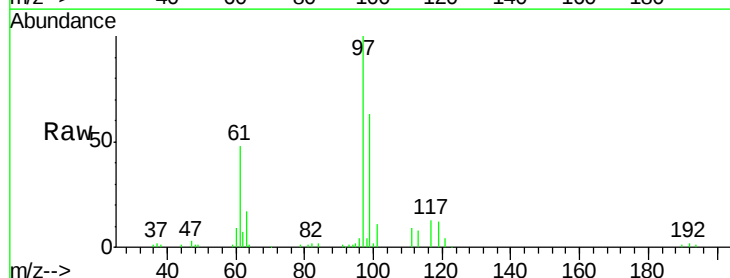
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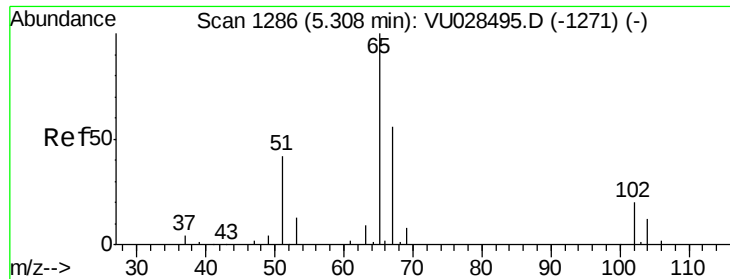
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#32
1,1,1-Trichloroethane
Concen: 50.096 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.3	78.5
61	48.6	39.0	58.6





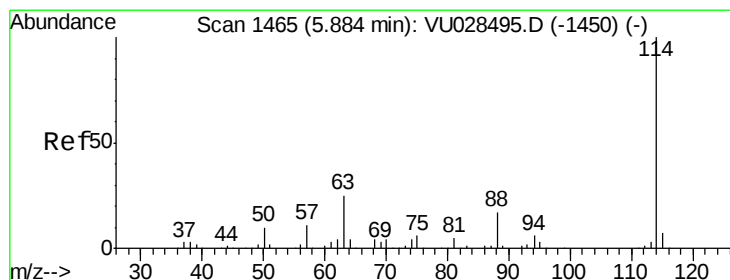
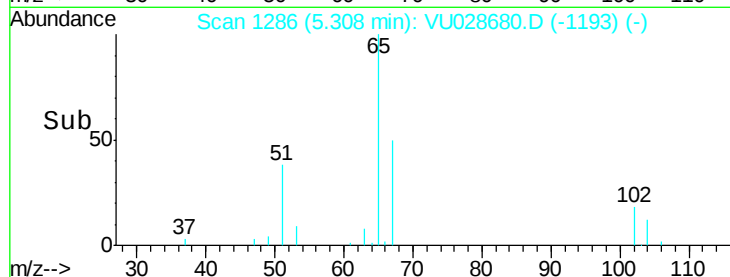
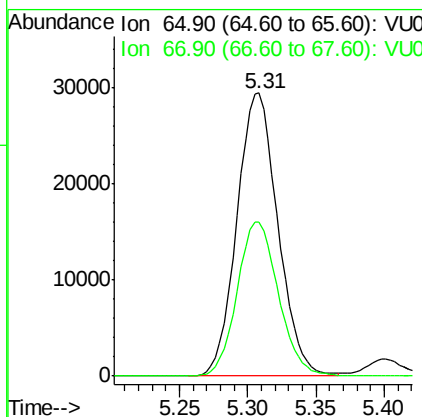
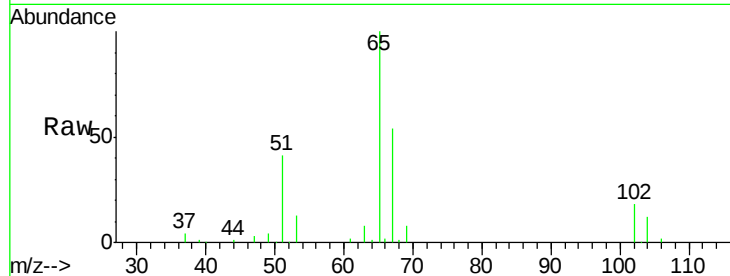
#33
 1,2-Dichloroethane-d4
 Concen: 52.441 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 61495
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.6

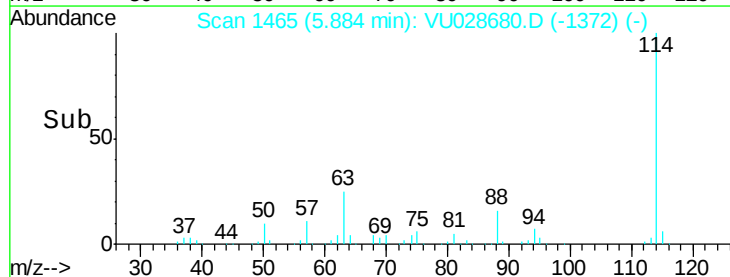
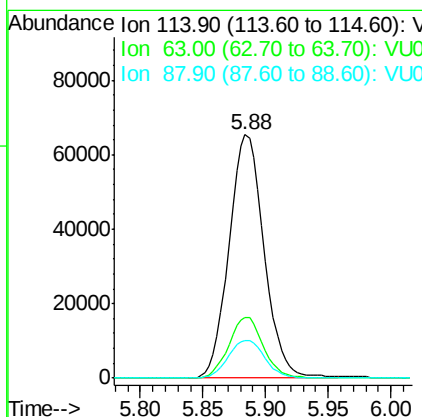
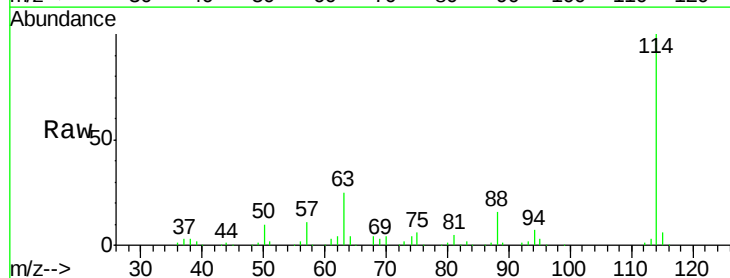
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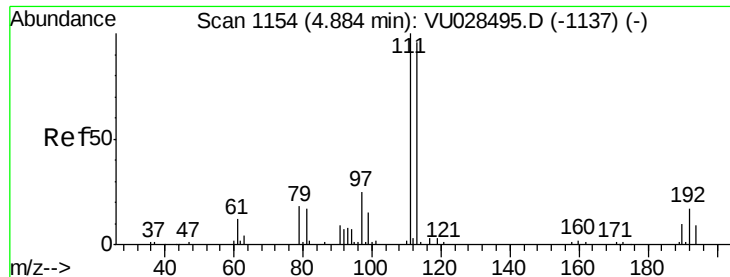
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Tgt Ion: 114 Resp: 126691
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 49.2
 88 15.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 56.756 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

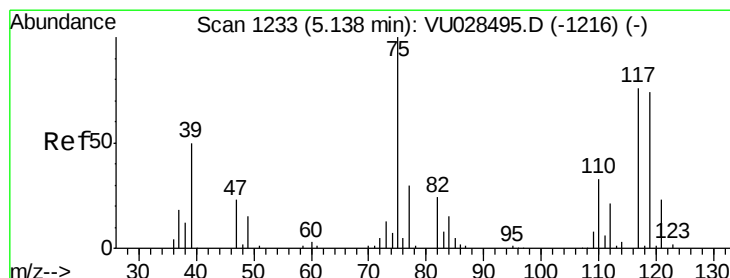
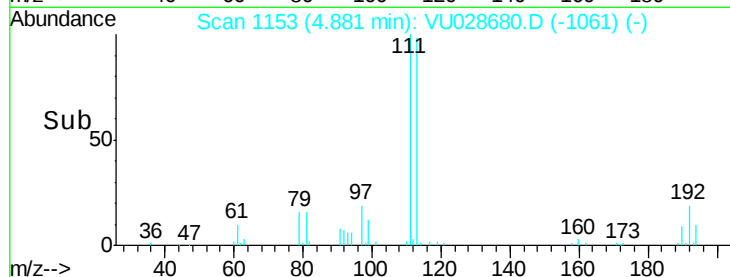
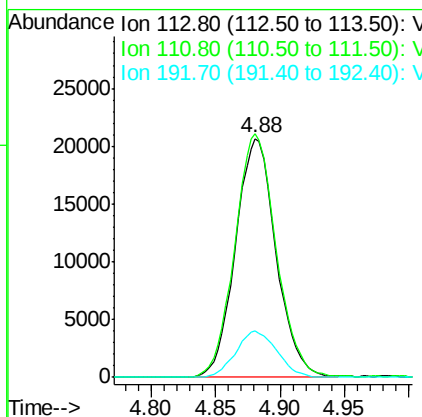
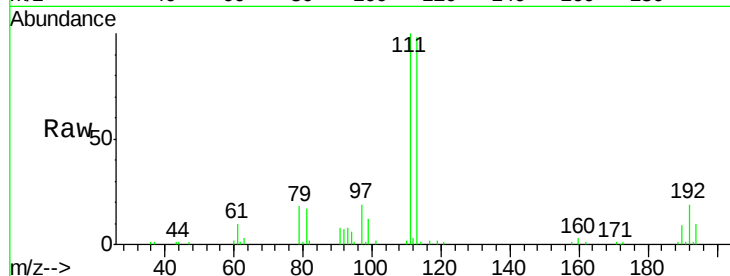
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	45250
Ion Ratio	Lower	Upper	
113	100		
111	103.9	83.4	125.0
192	19.6	14.8	22.2

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#36

1,1-Dichloropropene

Concen: 50.863 ug/l

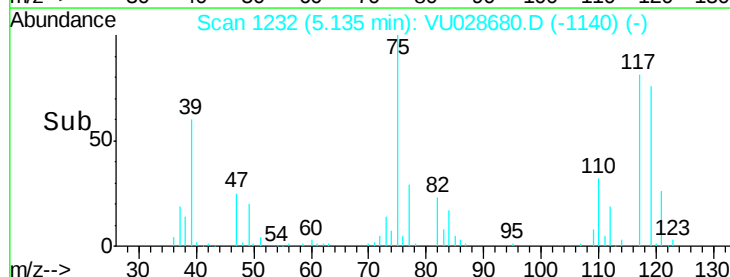
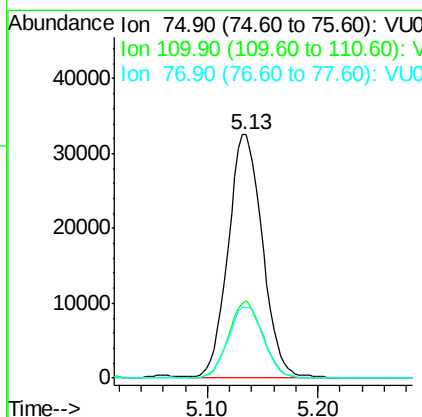
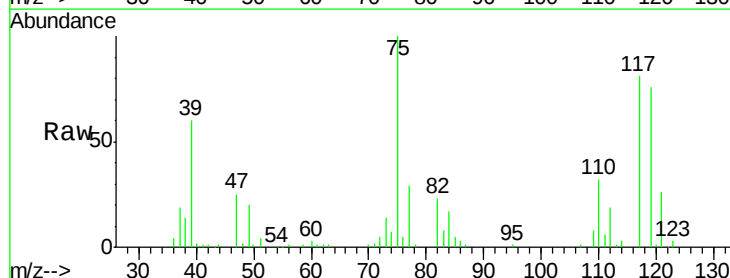
RT: 5.13 min Scan# 1232

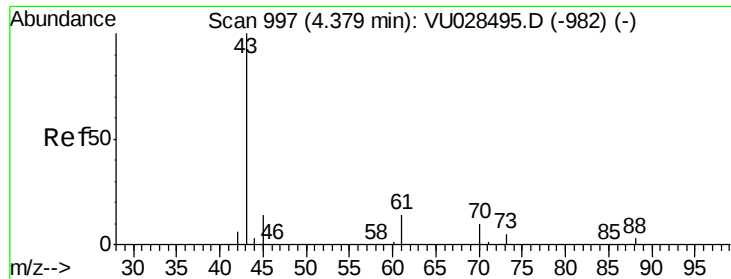
Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Tgt Ion:	75	Resp:	70514
Ion Ratio	Lower	Upper	
75	100		
110	31.3	16.1	48.2
77	30.4	24.5	36.7





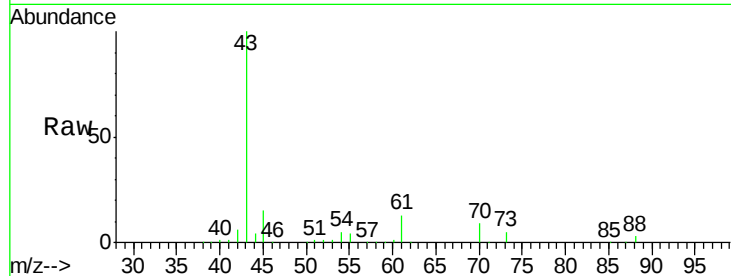
#37
Ethyl Acetate
Concen: 54.196 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

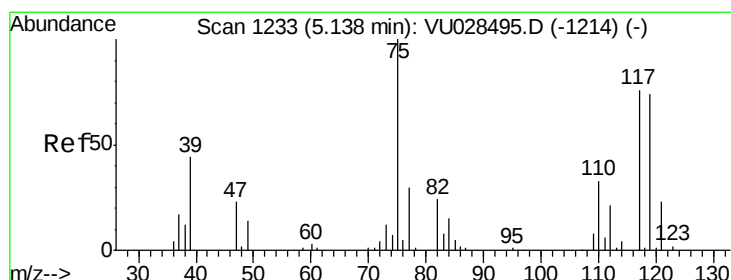
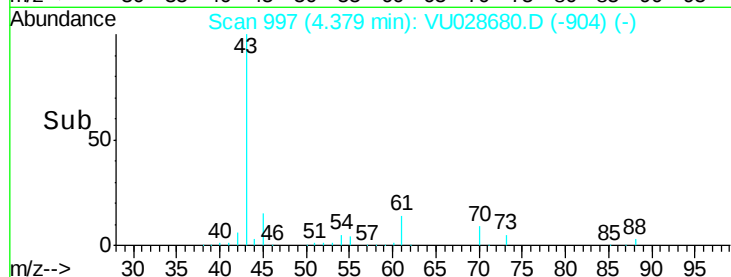
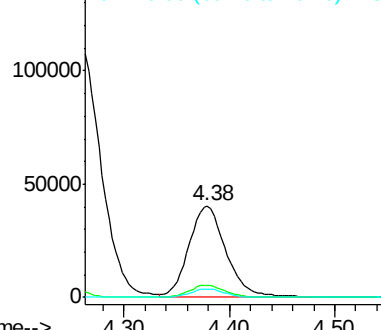
Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.4
70	8.7	7.4	11.0

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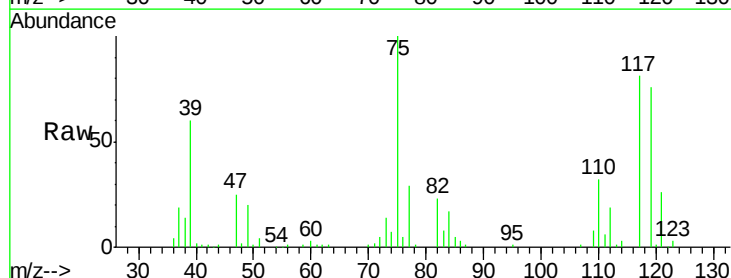


Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

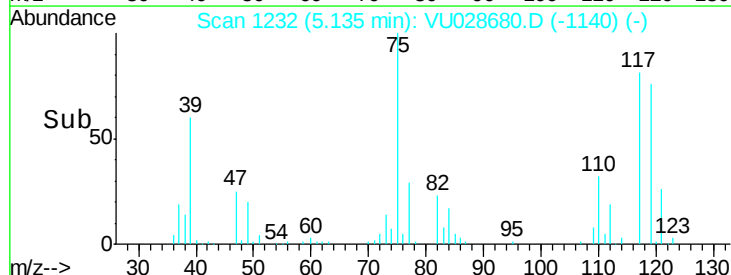
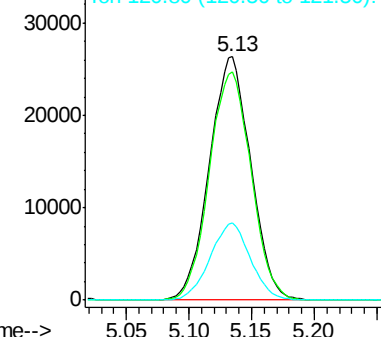


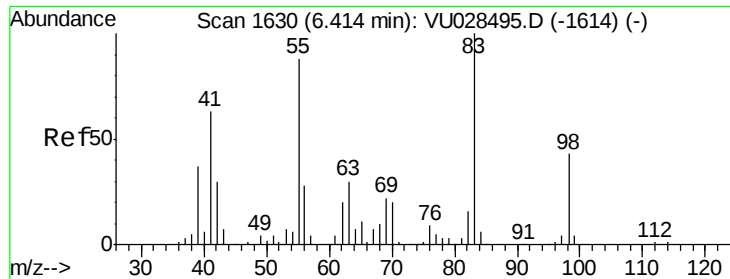
#38
Carbon Tetrachloride
Concen: 54.132 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.6	116.4
121	31.7	24.6	36.8



Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)





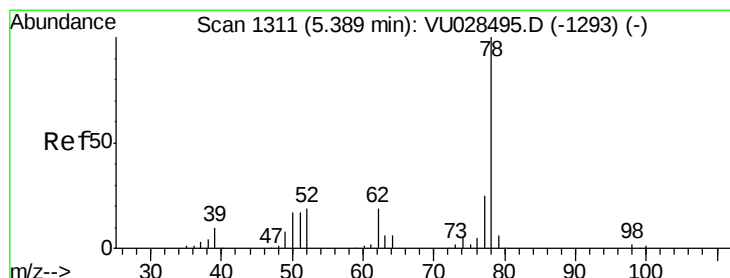
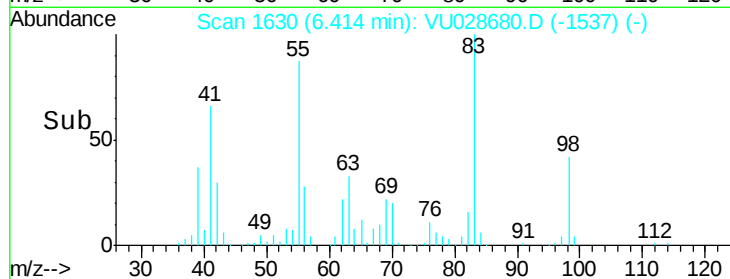
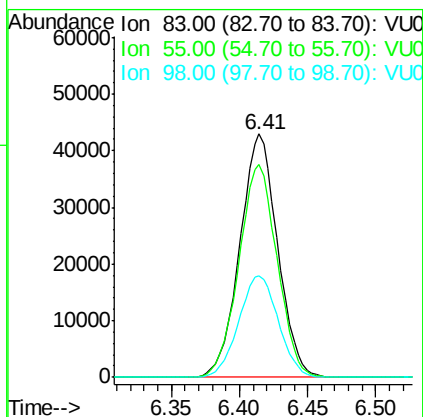
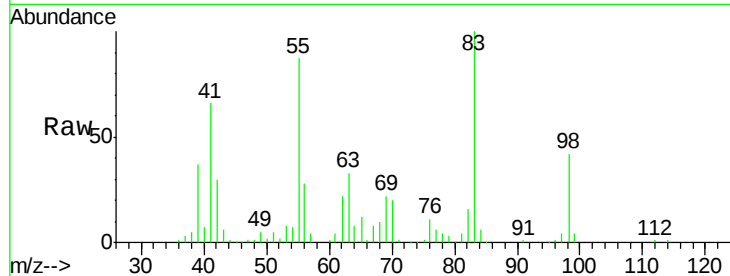
#39
Methylcyclohexane
Concen: 48.698 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.3	70.2	105.2
98	41.7	34.2	51.4

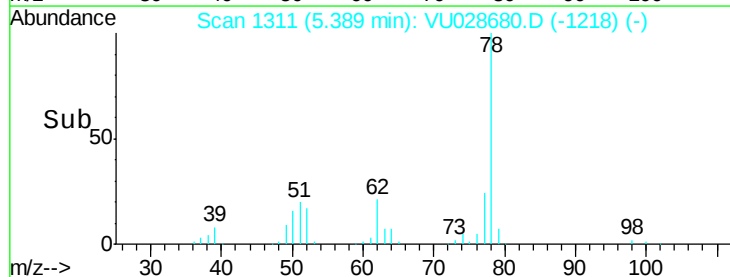
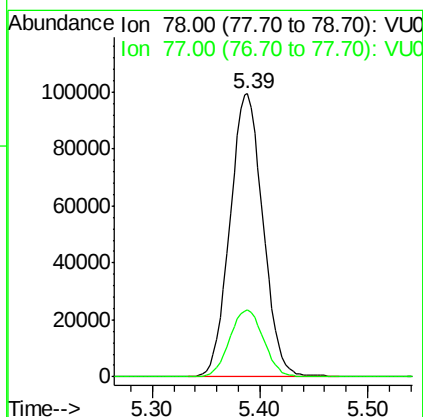
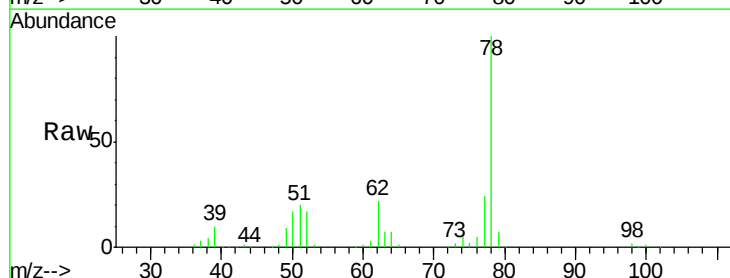
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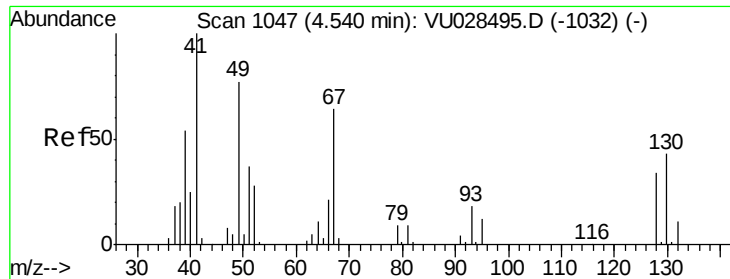
MMDadoda
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#40
Benzene
Concen: 51.998 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.9	29.9





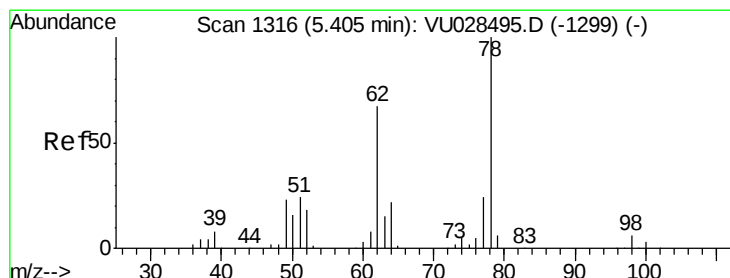
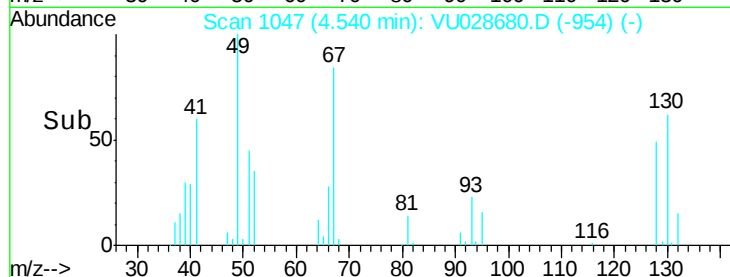
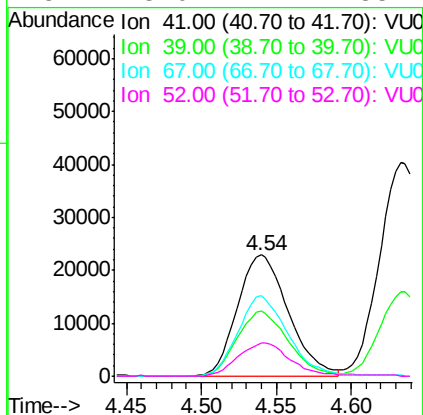
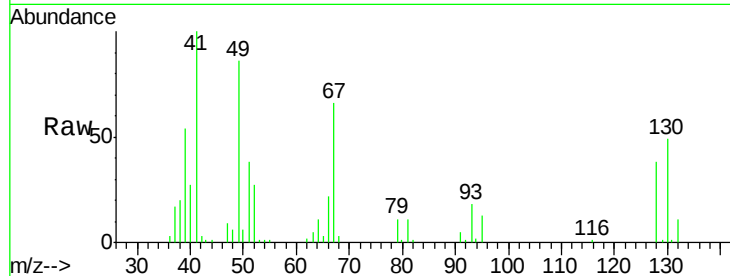
#41
Methacrylonitrile
Concen: 55.501 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.0	43.3	64.9
67	65.1	53.6	80.4
52	28.0	22.1	33.1

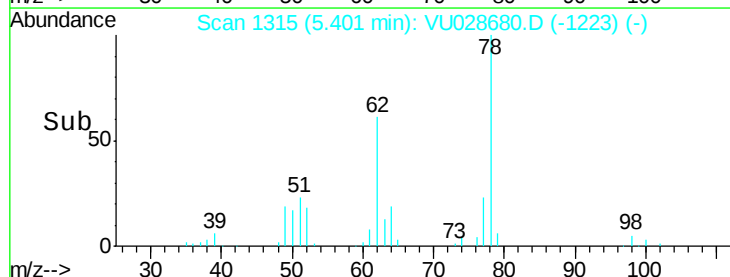
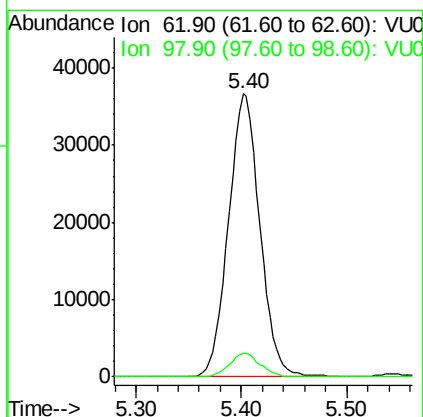
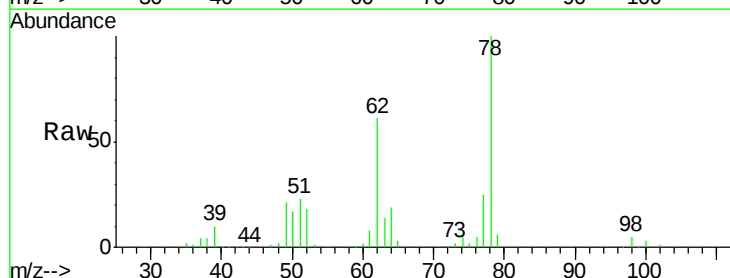
Manual Integrations
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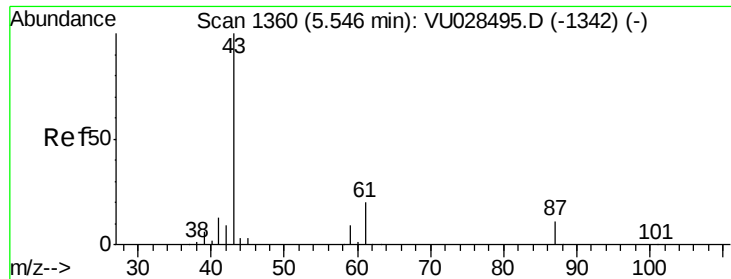
MMDadoda
12/17/2018 9:48:34 AM



#42
1,2-Dichloroethane
Concen: 52.814 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.2





#43

Isopropyl Acetate

Concen: 54.079 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

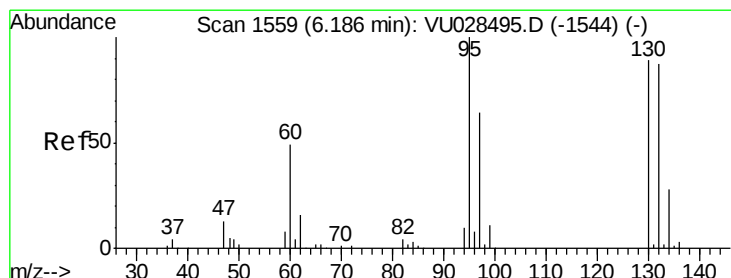
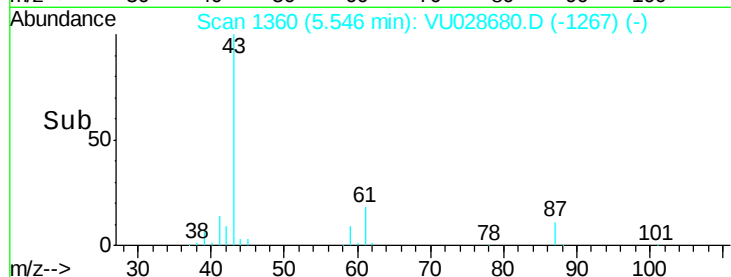
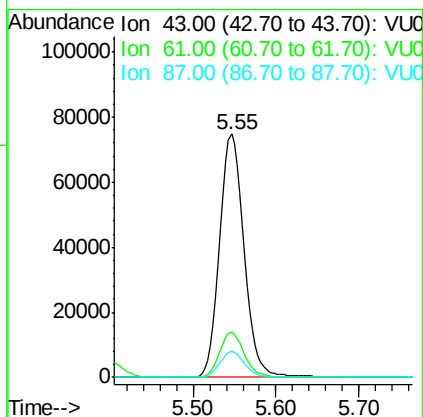
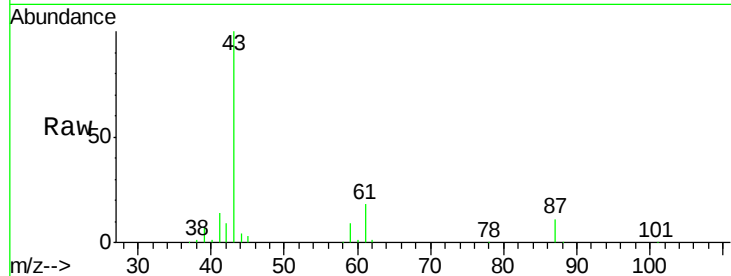
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	153295
Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.5	23.3
87	10.4	8.7	13.1

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#44

Trichloroethene

Concen: 51.994 ug/l

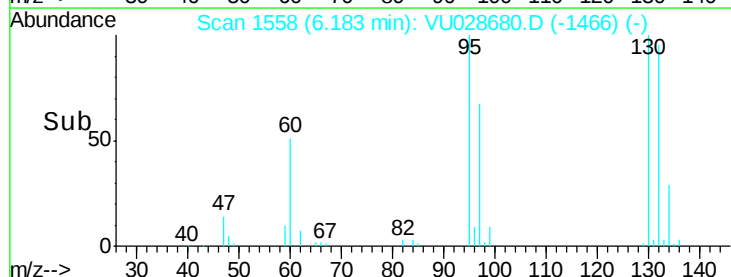
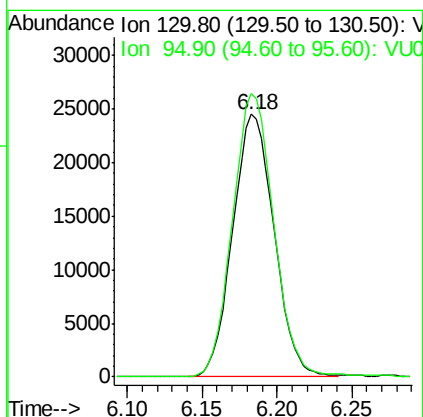
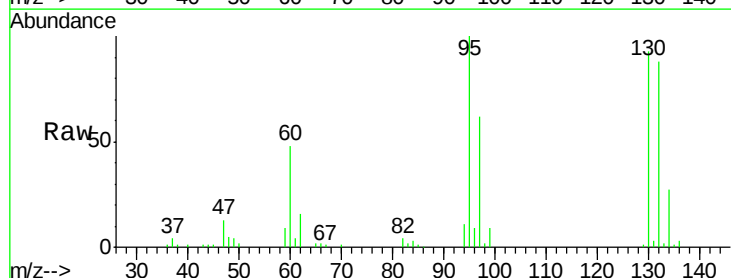
RT: 6.18 min Scan# 1558

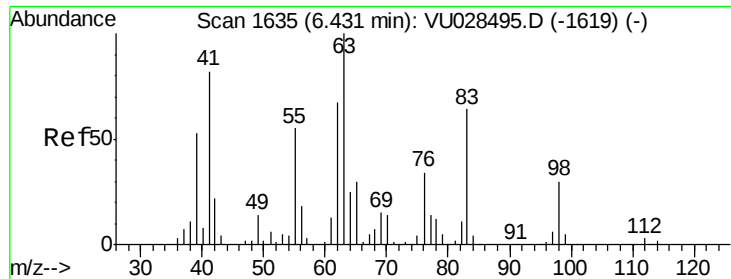
Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Tgt Ion:	130	Resp:	47204
Ion	Ratio	Lower	Upper
130	100		
95	107.8	0.0	224.0





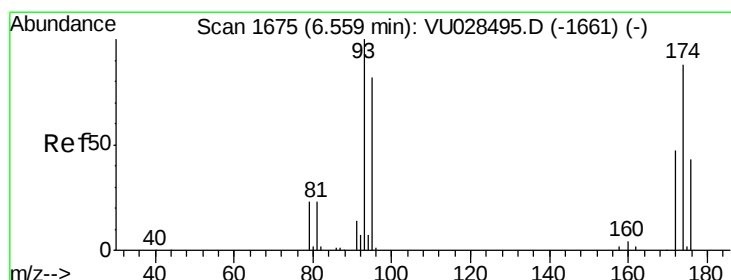
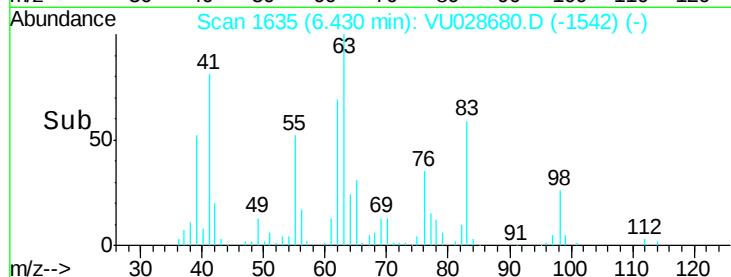
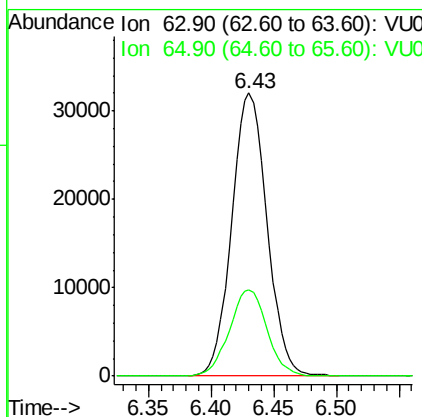
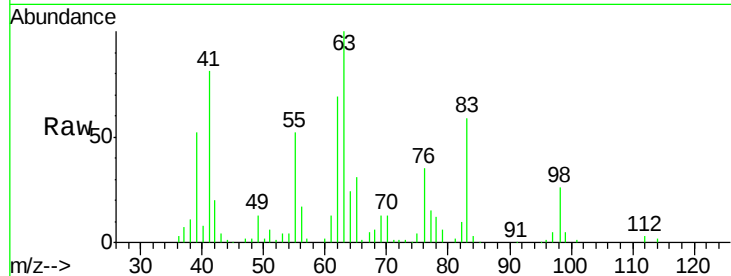
#45
1,2-Dichloropropane
Concen: 54.587 ug/l
RT: 6.43 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 62677
Ion Ratio Lower Upper
63 100
65 30.6 24.2 36.4

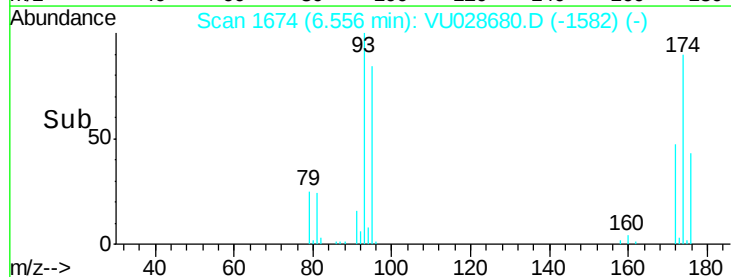
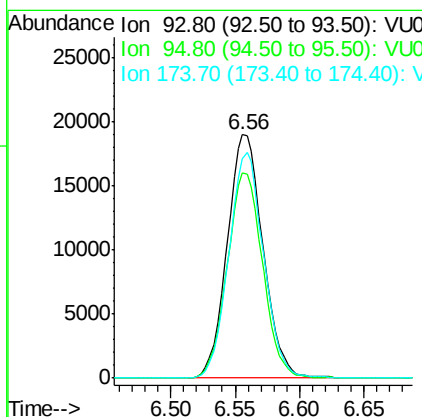
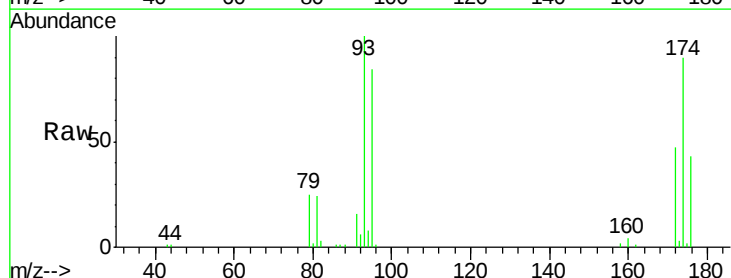
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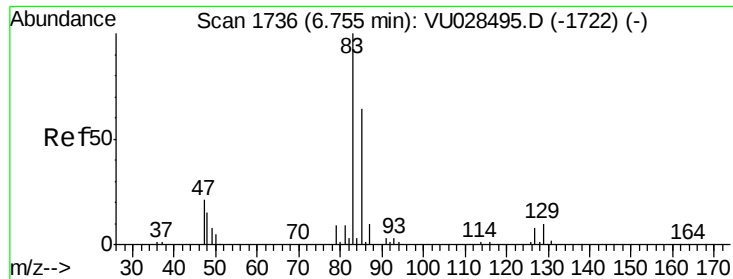
MMDadoda
12/17/2018 9:48:34 AM



#46
Dibromomethane
Concen: 53.575 ug/l
RT: 6.56 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 93 Resp: 36499
Ion Ratio Lower Upper
93 100
95 83.2 65.4 98.2
174 90.4 72.2 108.4





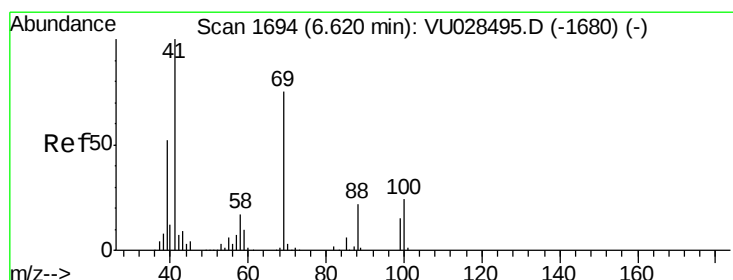
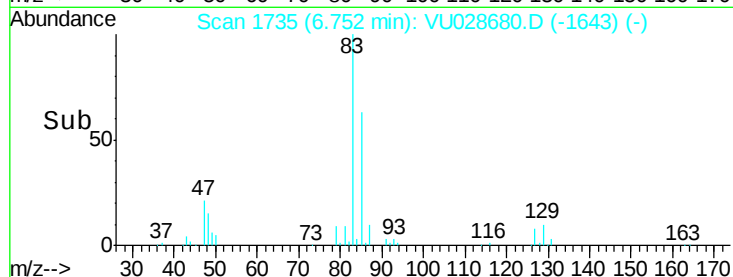
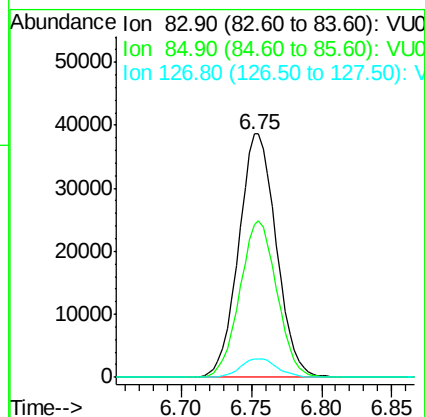
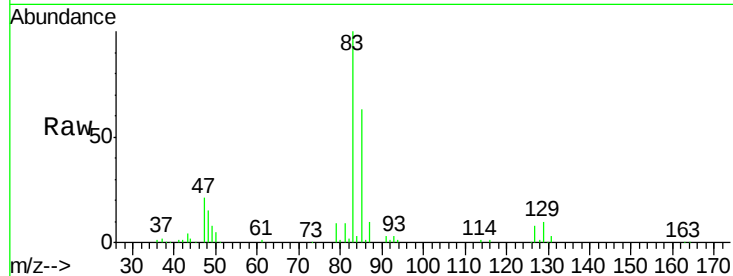
#47
Bromodichloromethane
Concen: 54.390 ug/l
RT: 6.75 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.5	77.3
127	7.5	6.2	9.4

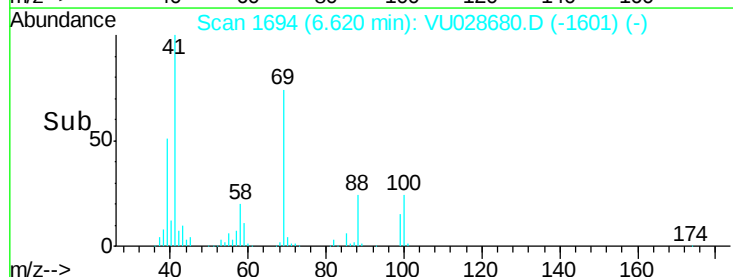
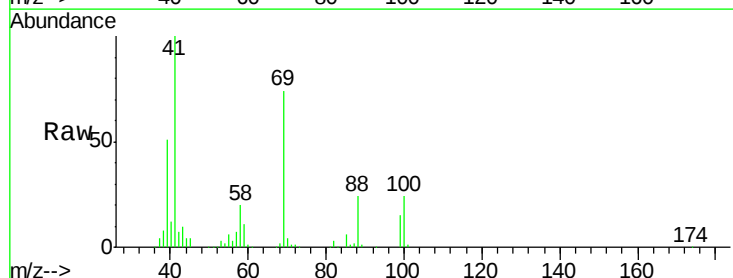
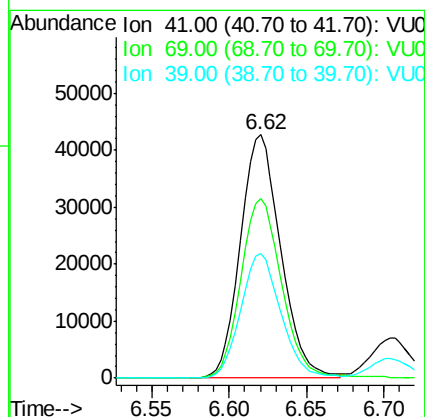
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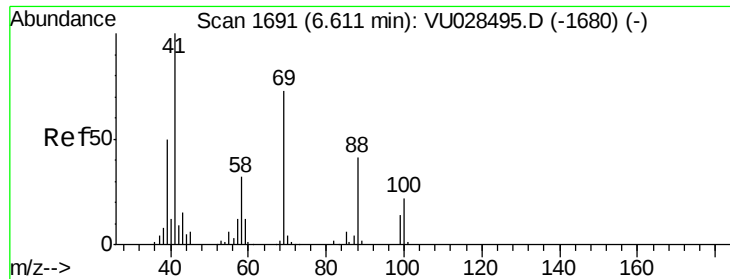
MMDadoda
12/17/2018 9:48:34 AM



#48
Methyl methacrylate
Concen: 55.050 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.8	60.4	90.6
39	50.9	41.1	61.7





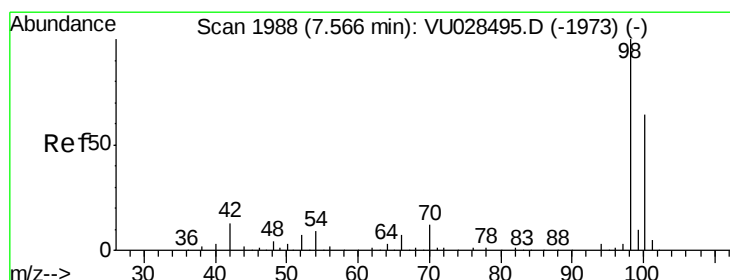
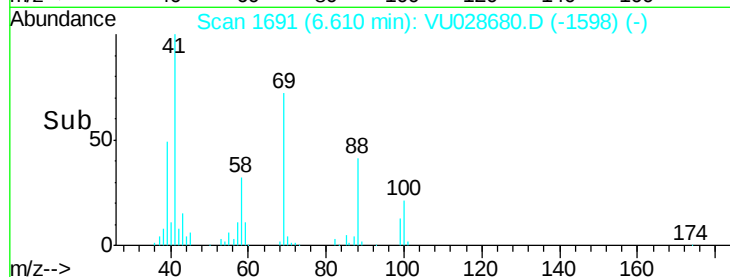
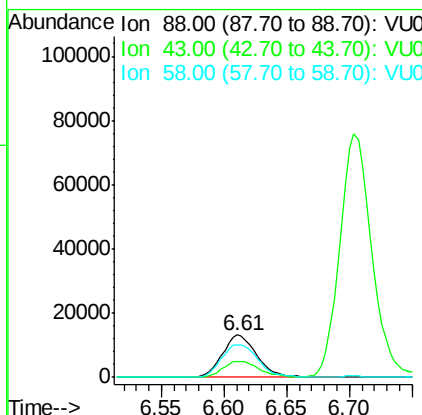
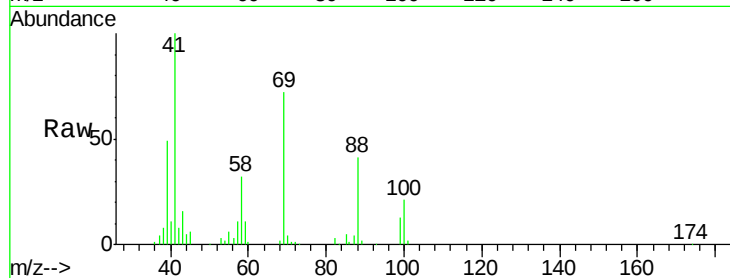
#49
1,4-Dioxane
Concen: 1124.070 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	37.8	30.9	46.3
58	83.2	62.4	93.6

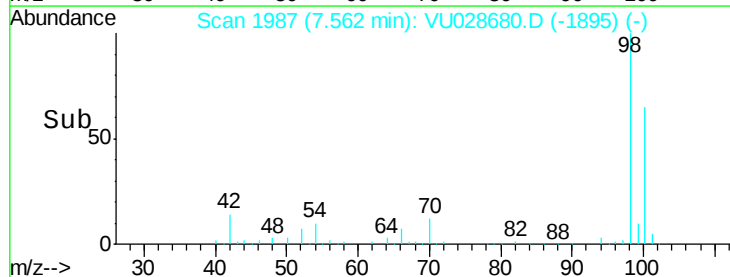
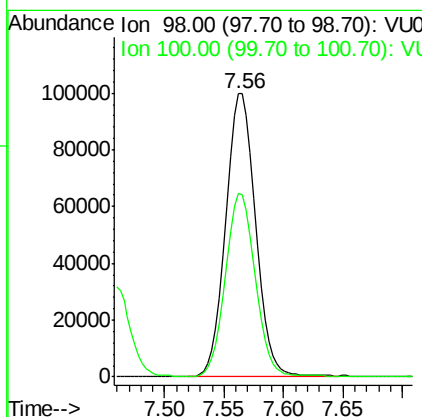
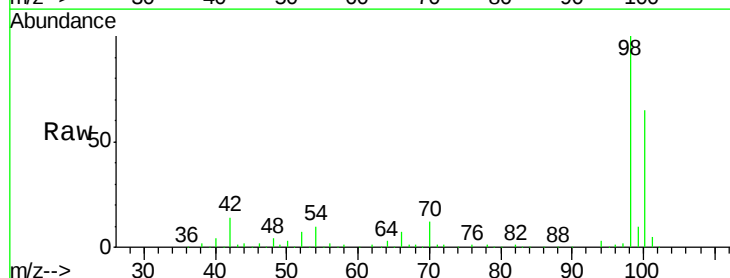
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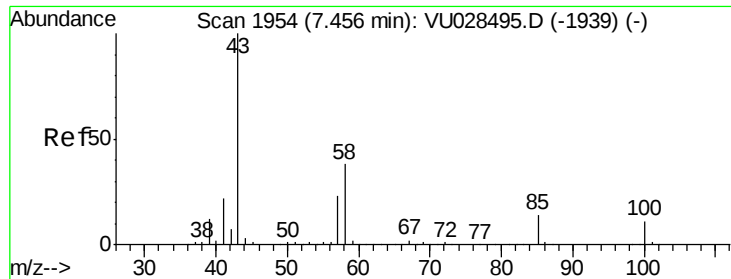
MMDadoda
12/17/2018 9:48:34 AM



#50
Toluene-d8
Concen: 55.375 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.0	76.6





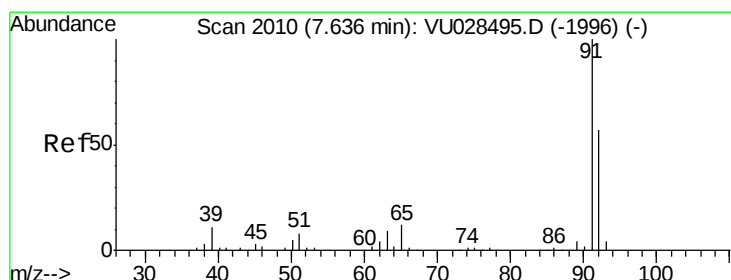
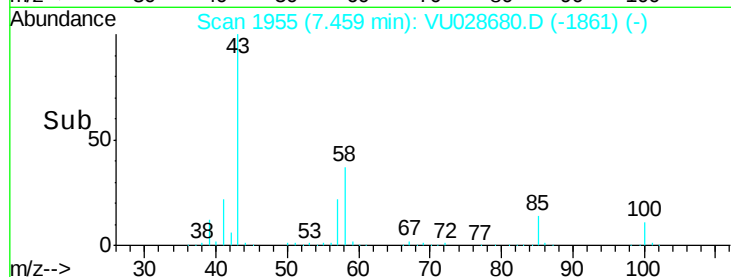
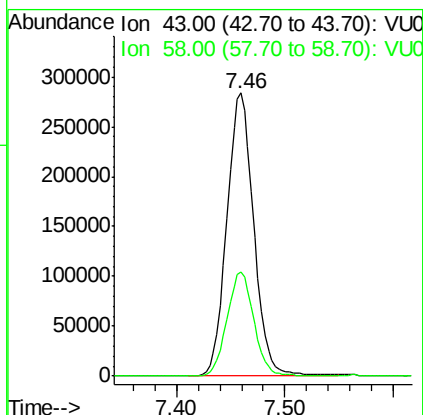
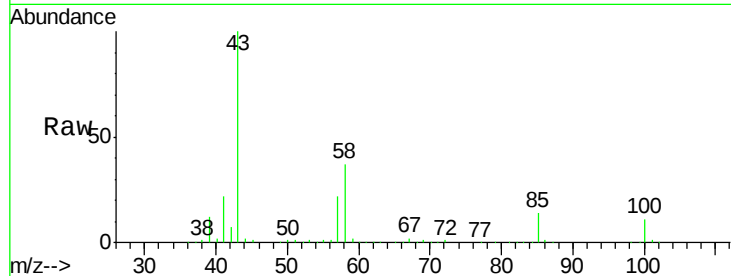
#51
4-Methyl-2-Pentanone
Concen: 276.427 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 494209
Ion Ratio Lower Upper
43 100
58 36.8 30.2 45.2

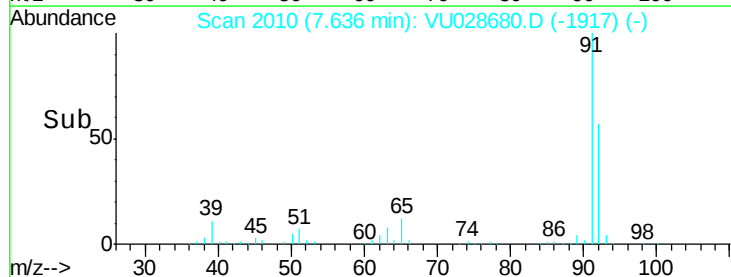
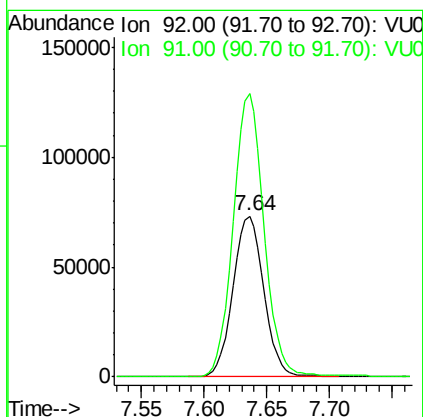
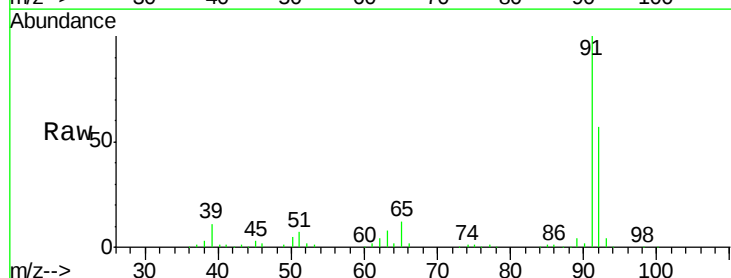
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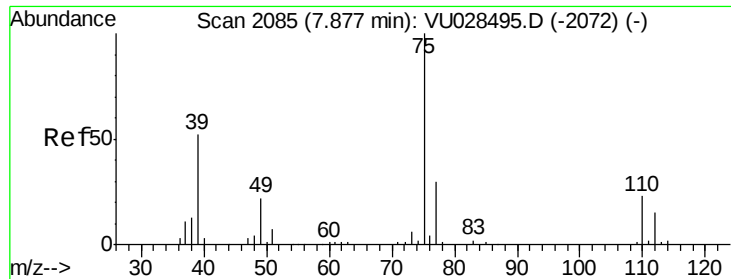
MMDadoda
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#52
Toluene
Concen: 52.233 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 92 Resp: 125516
Ion Ratio Lower Upper
92 100
91 175.1 140.2 210.4





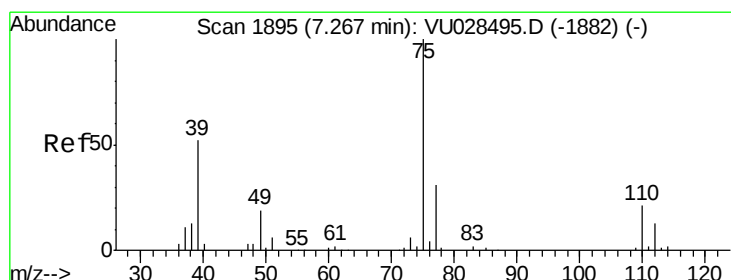
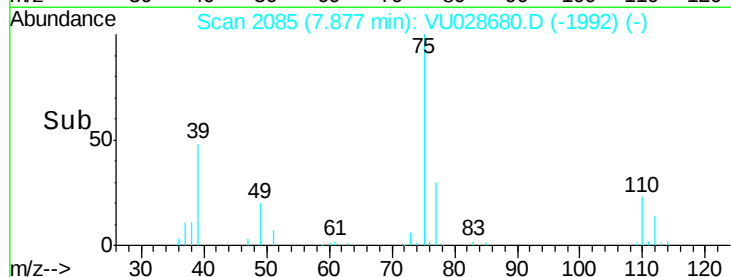
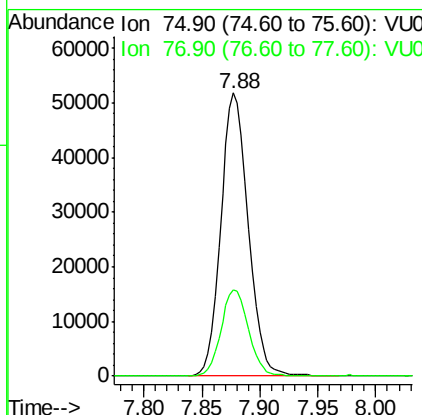
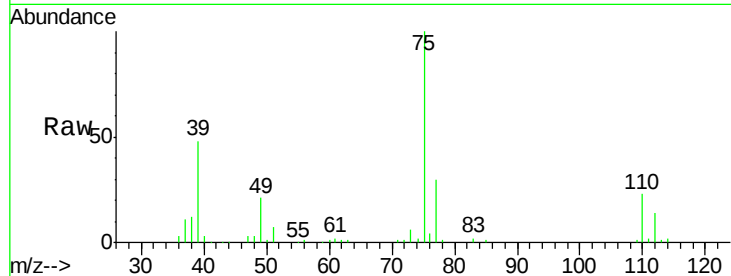
#53
t-1,3-Dichloropropene
Concen: 53.943 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 85170
Ion Ratio Lower Upper
75 100
77 30.5 24.2 36.4

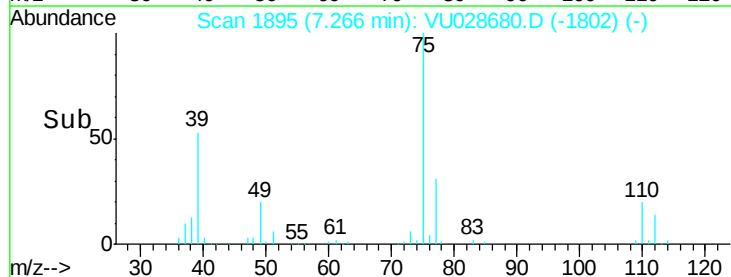
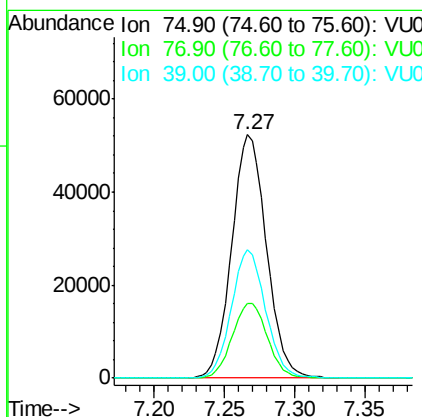
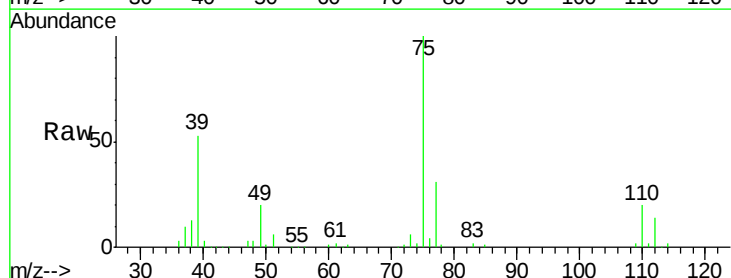
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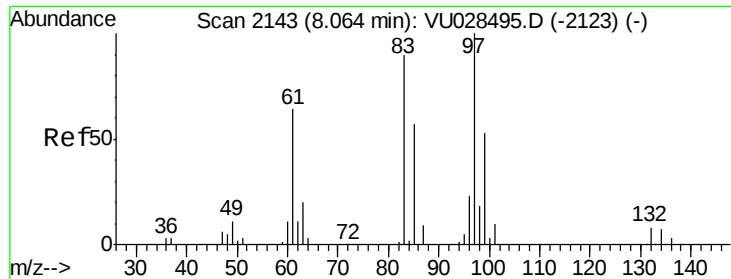
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#54
cis-1,3-Dichloropropene
Concen: 52.771 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 75 Resp: 90397
Ion Ratio Lower Upper
75 100
77 30.8 25.0 37.4
39 52.8 41.3 61.9





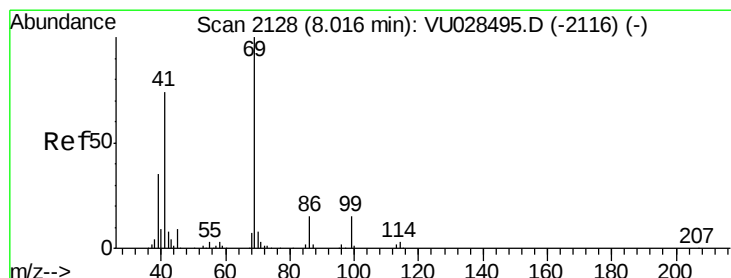
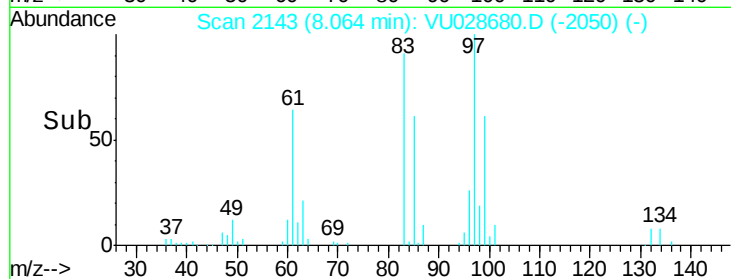
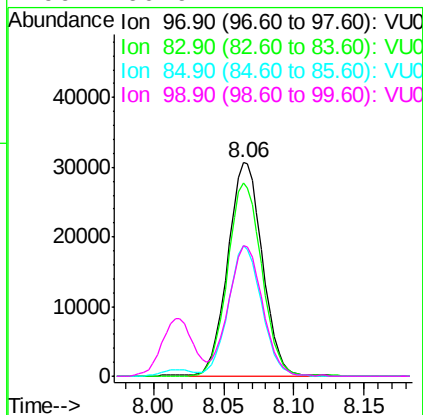
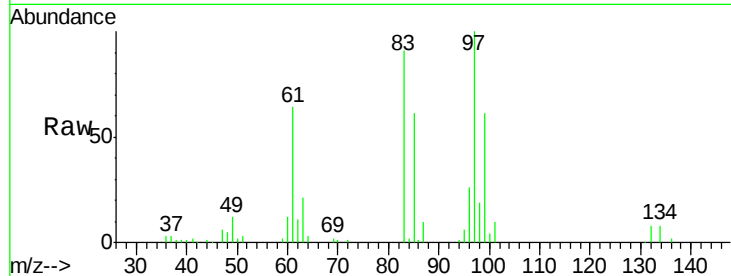
#55
 1,1,2-Trichloroethane
 Concen: 55.373 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	52598
Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.4	108.6
85	61.0	46.0	69.0
99	60.9	47.4	71.2

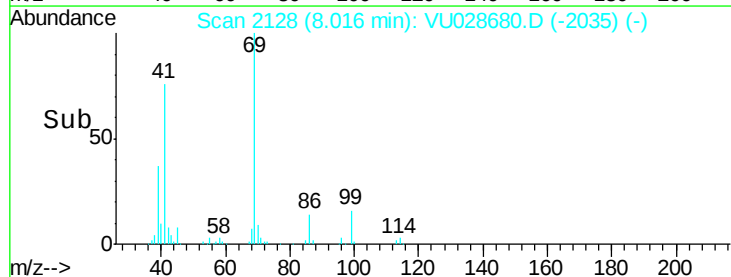
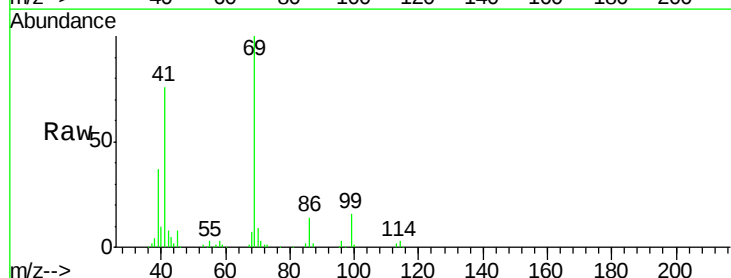
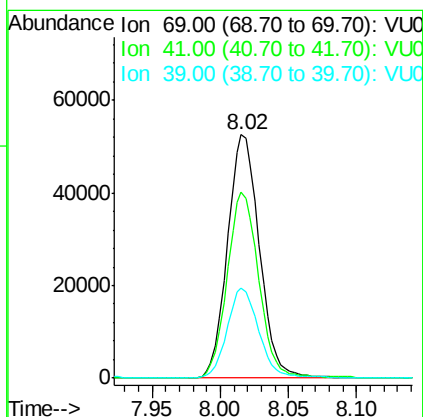
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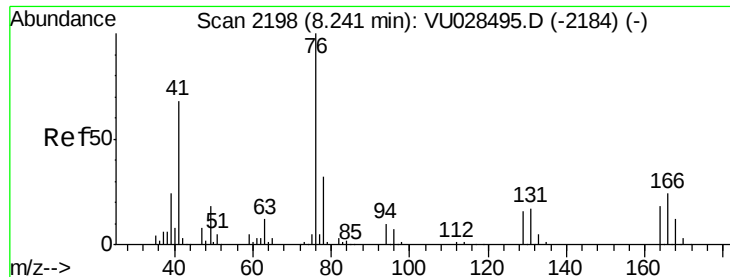
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 12/17/2018 9:48:34 AM



#56
 Ethyl methacrylate
 Concen: 52.603 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Tgt Ion:	69	Resp:	85566
Ion	Ratio	Lower	Upper
69	100		
41	75.4	59.1	88.7
39	36.9	28.4	42.6





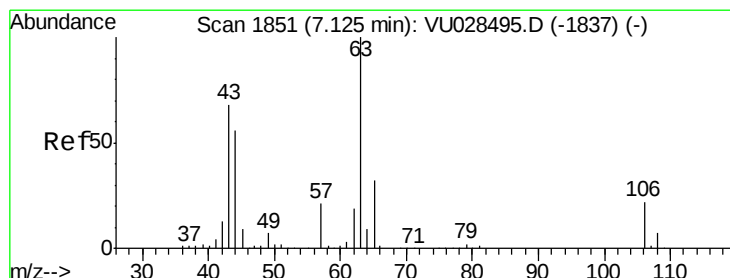
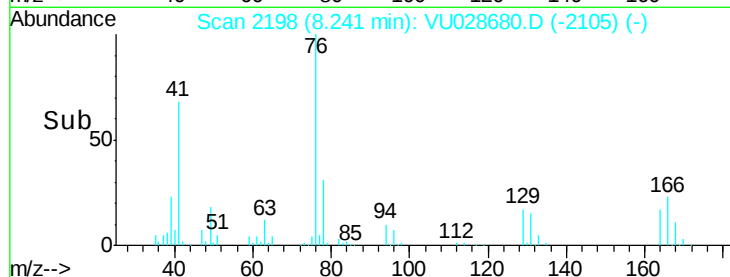
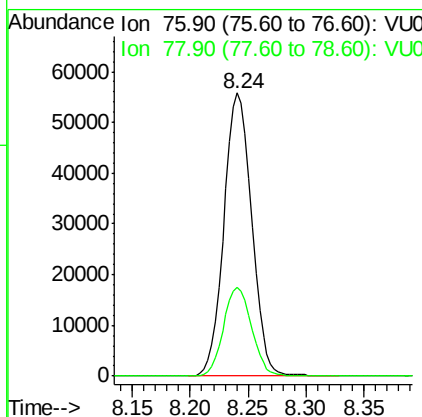
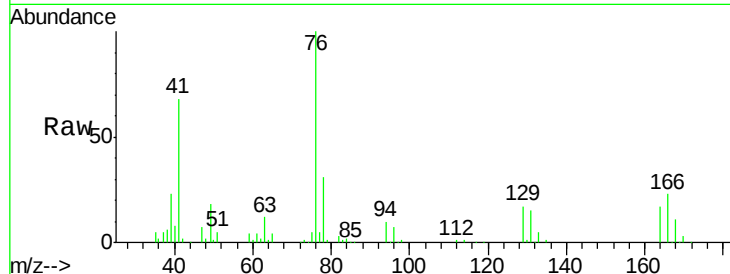
#57
 1,3-Dichloropropane
 Concen: 52.724 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 92967
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.2 37.8

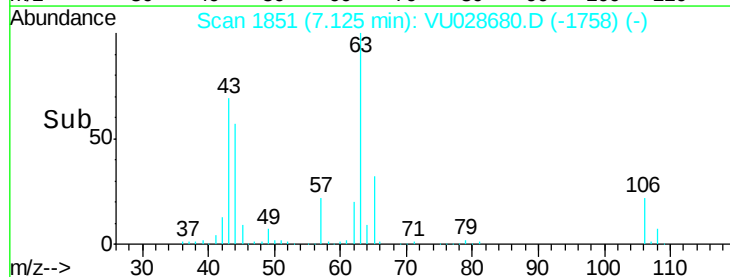
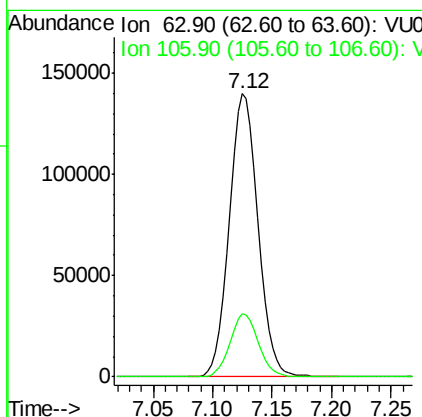
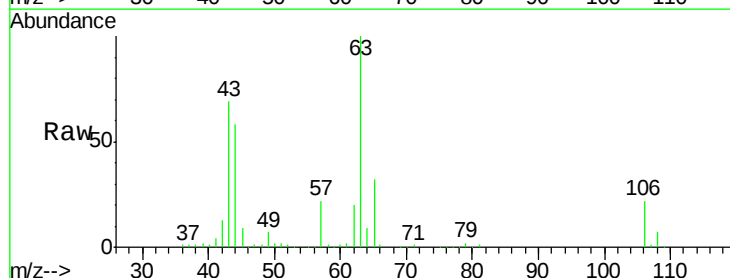
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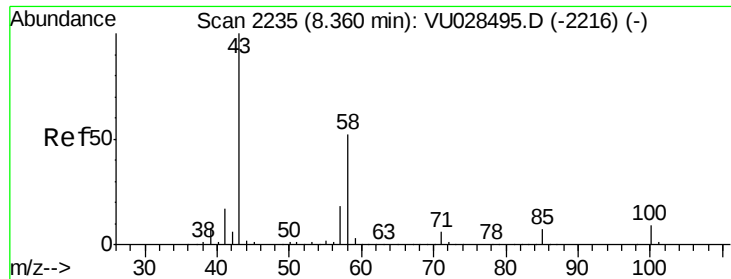
MMDadoda
 12/17/2018 9:48:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.920 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Tgt Ion: 63 Resp: 234055
 Ion Ratio Lower Upper
 63 100
 106 22.1 17.8 26.6





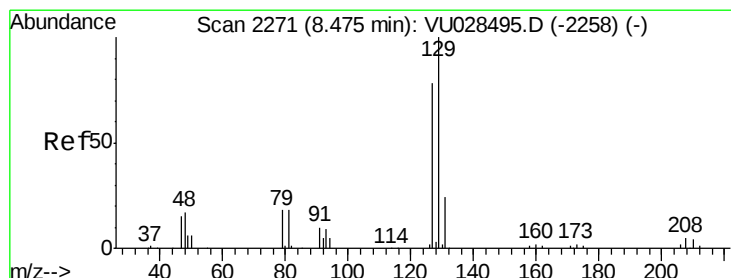
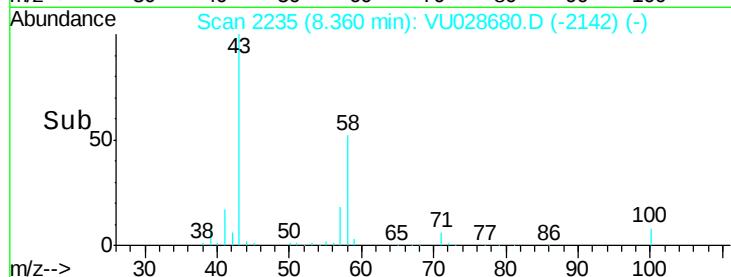
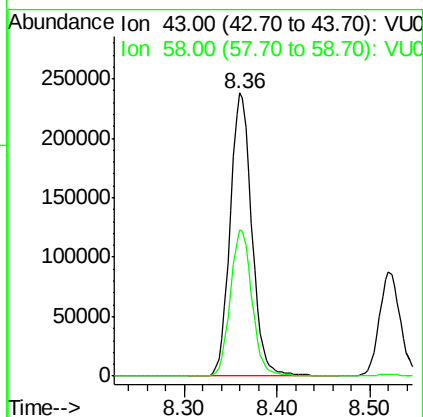
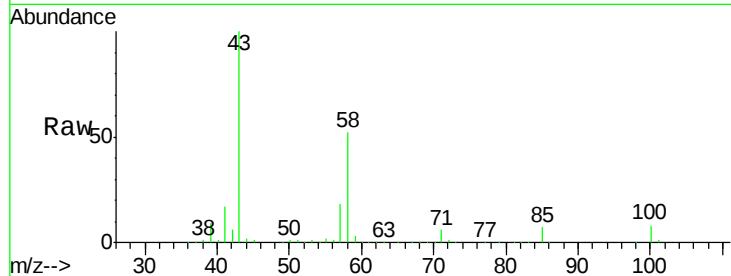
#59
2-Hexanone
Concen: 272.962 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 386803
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.6

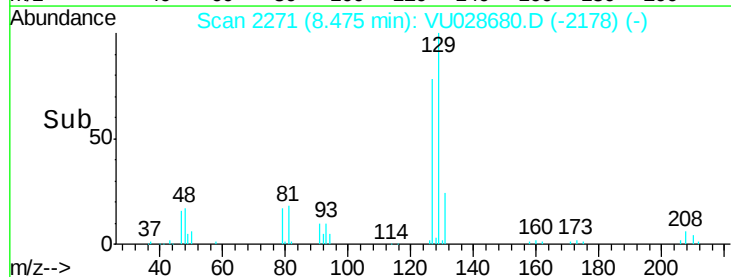
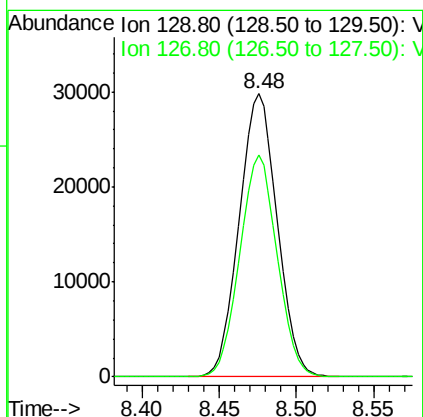
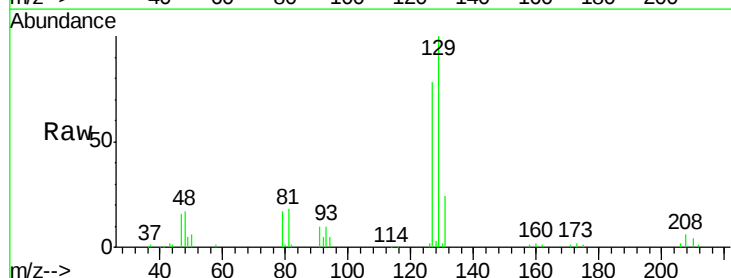
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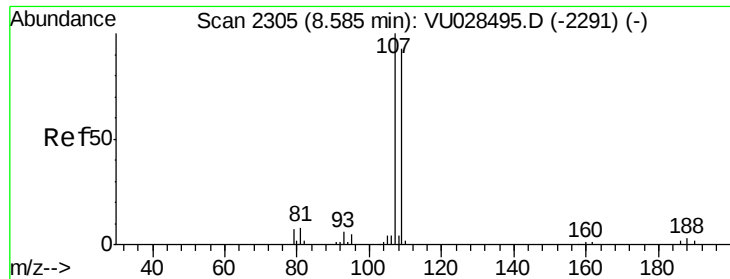
MMDadoda
12/17/2018 9:48:34 AM



#60
Dibromochloromethane
Concen: 54.750 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 129 Resp: 50918
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.3





#61

1,2-Dibromoethane

Concen: 54.242 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 54031

Ion Ratio Lower Upper

107 100

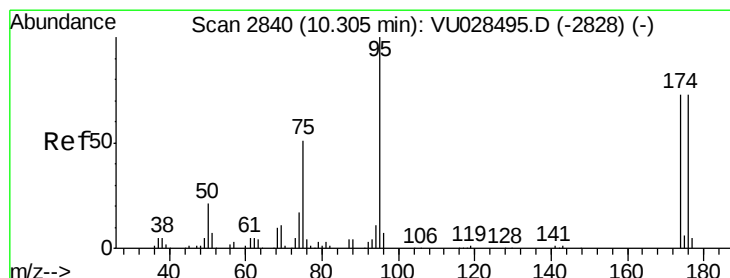
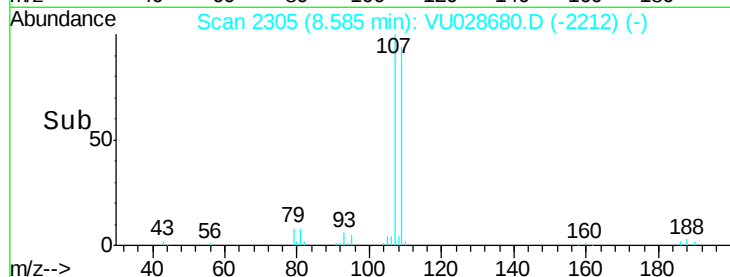
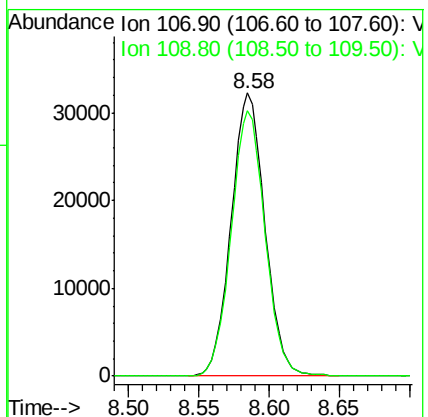
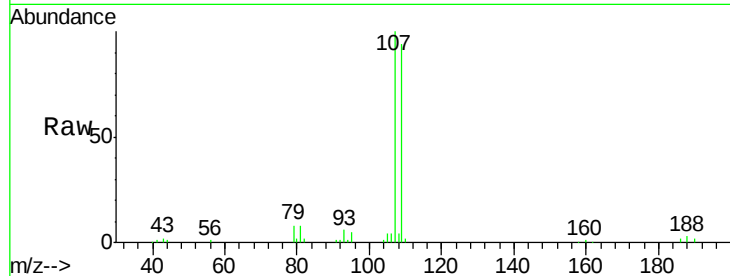
109 94.0 74.5 111.7

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 56.279 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

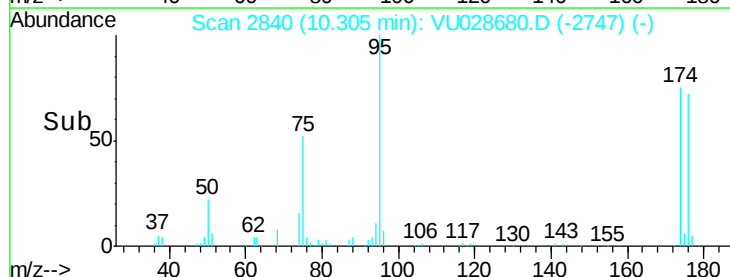
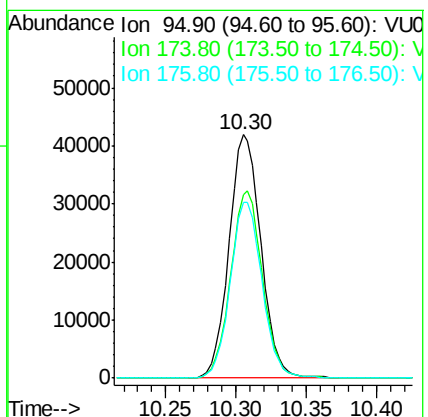
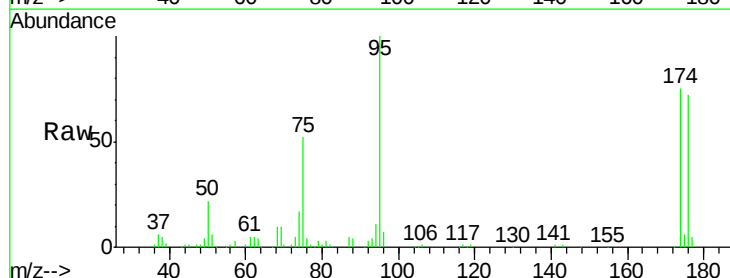
Tgt Ion: 95 Resp: 66342

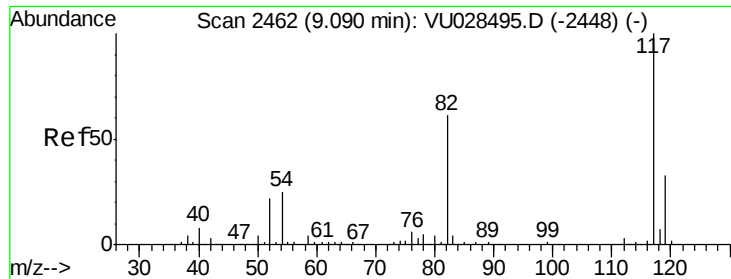
Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.4

176 72.4 0.0 145.2





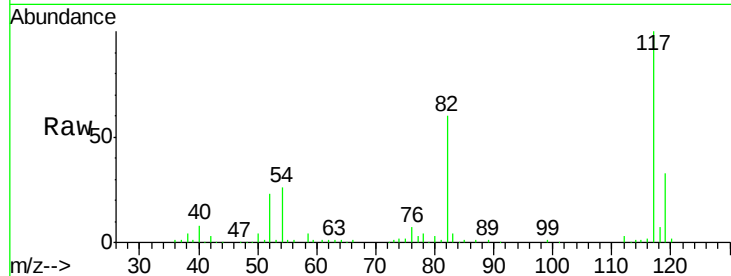
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.5	48.9	73.3
119	32.6	26.2	39.4

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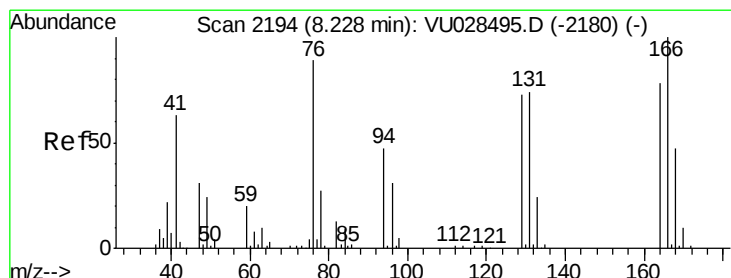
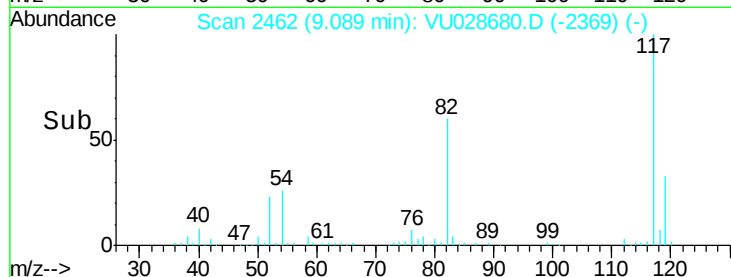
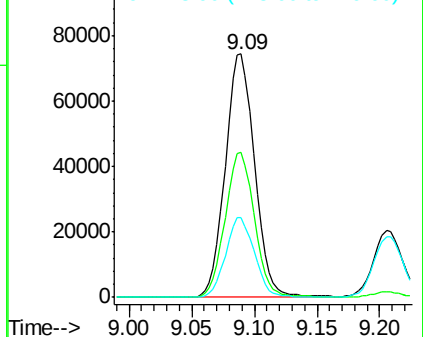


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 49.613 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.9	152.9
129	95.0	74.9	112.3
131	90.3	75.4	113.0

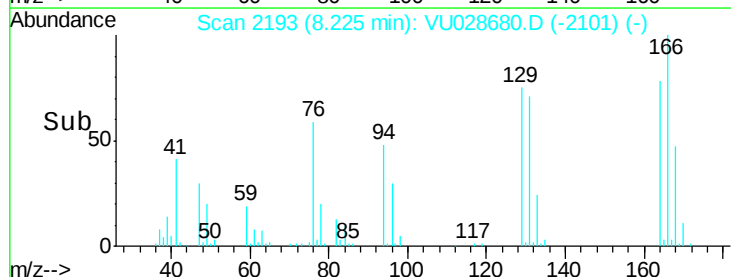
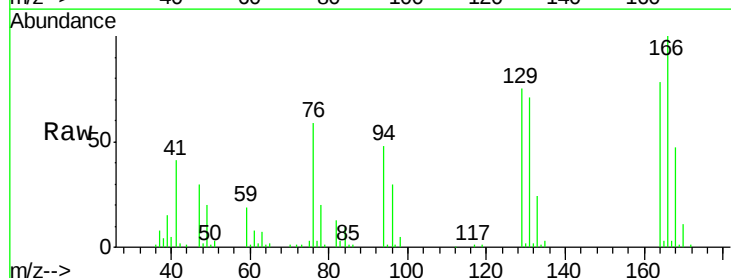
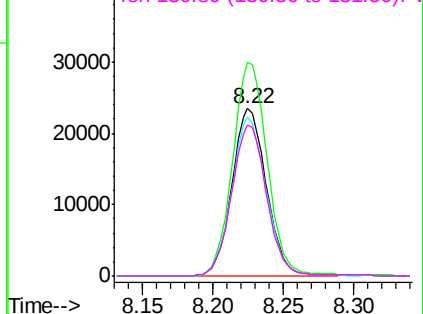
Abundance

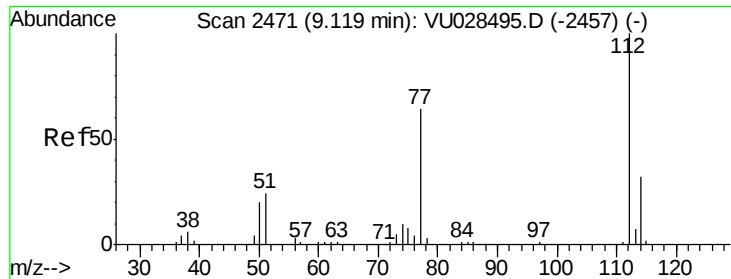
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





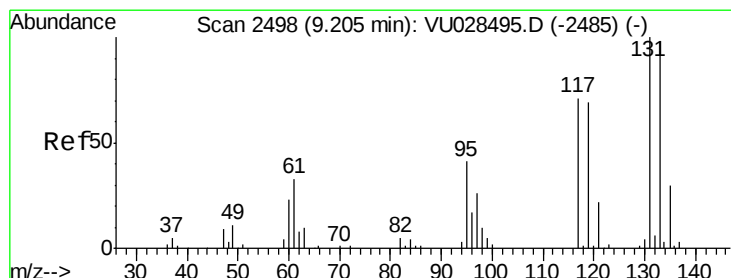
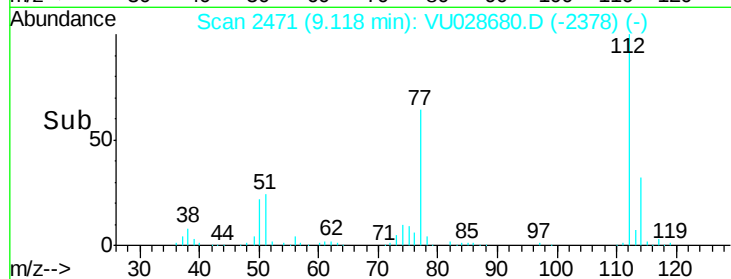
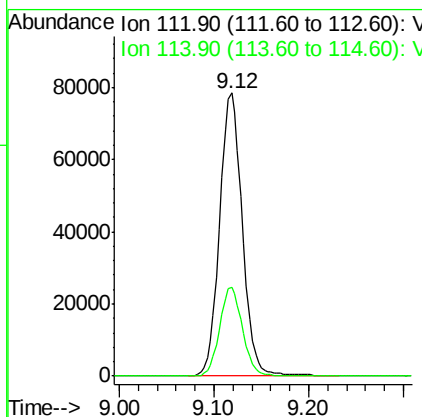
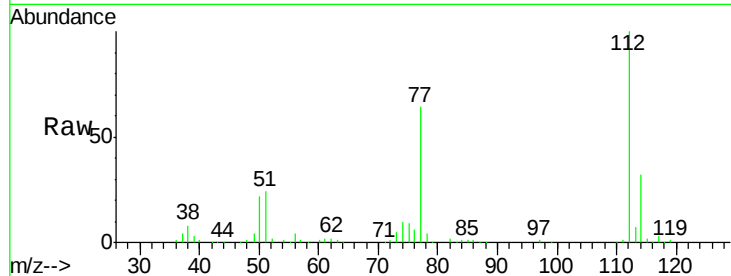
#65
Chlorobenzene
Concen: 50.774 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 131068
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9

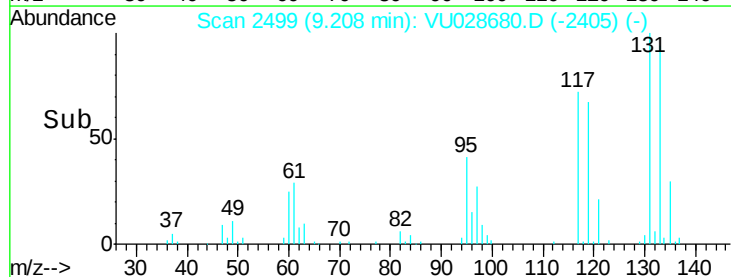
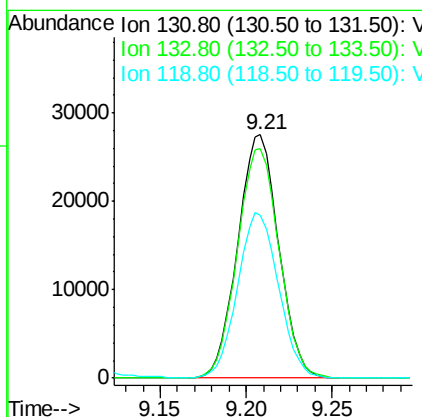
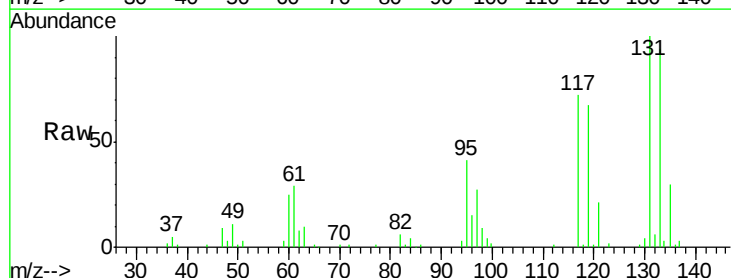
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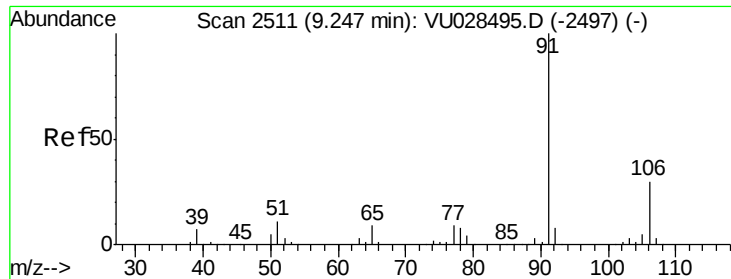
MMDadoda
12/17/2018 9:48:34 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.122 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion:131 Resp: 45438
Ion Ratio Lower Upper
131 100
133 96.4 48.0 144.0
119 68.1 34.6 103.9





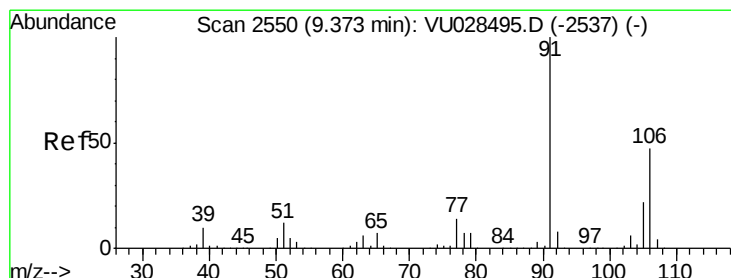
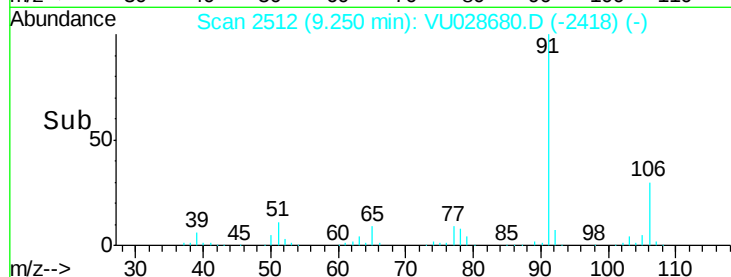
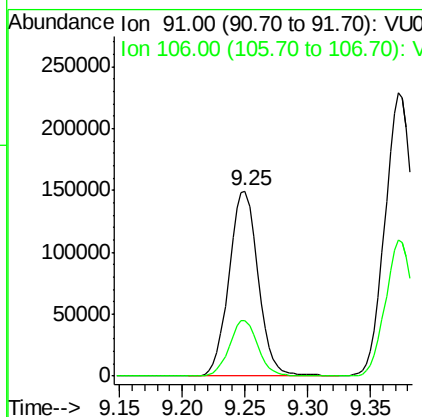
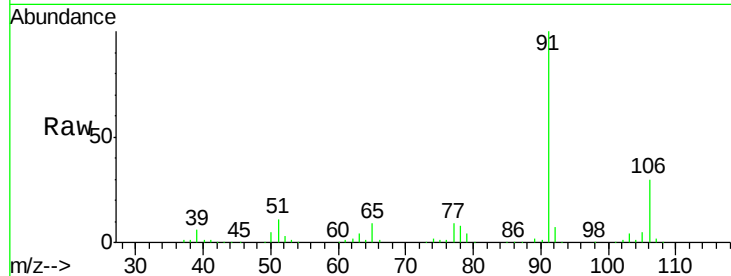
#67
Ethyl Benzene
Concen: 50.980 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 241919
Ion Ratio Lower Upper
91 100
106 29.9 24.1 36.1

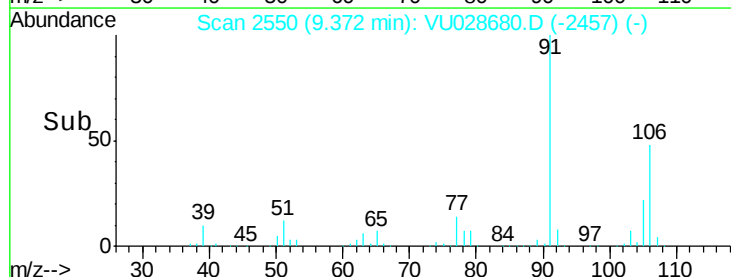
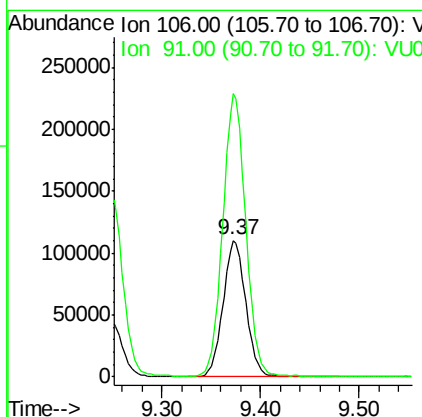
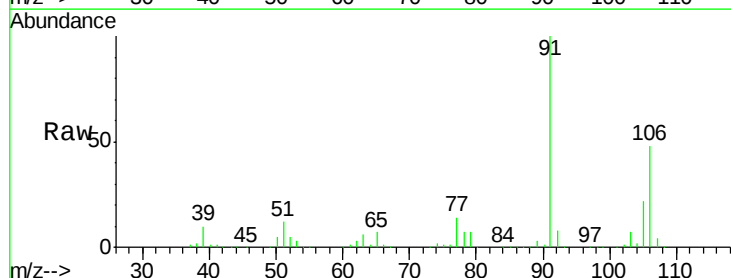
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12/17/2018 9:48:34 AM



#68
m/p-Xylenes
Concen: 103.663 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion: 106 Resp: 178997
Ion Ratio Lower Upper
106 100
91 207.3 167.4 251.0





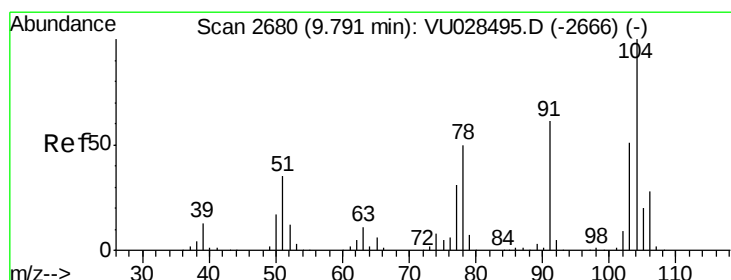
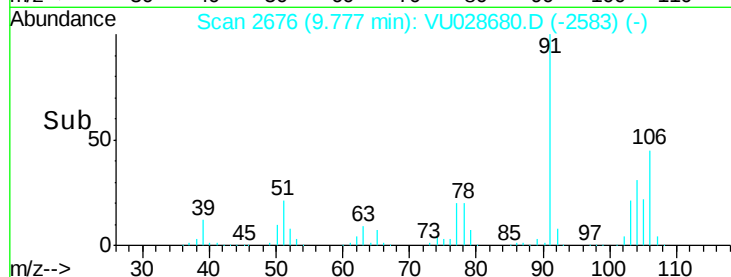
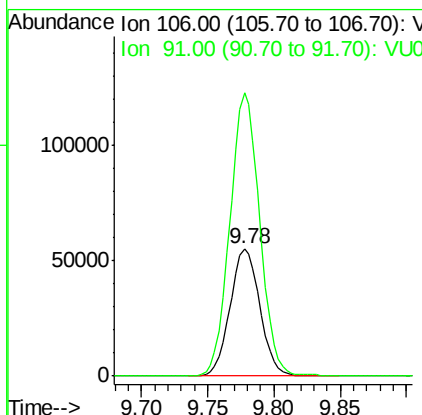
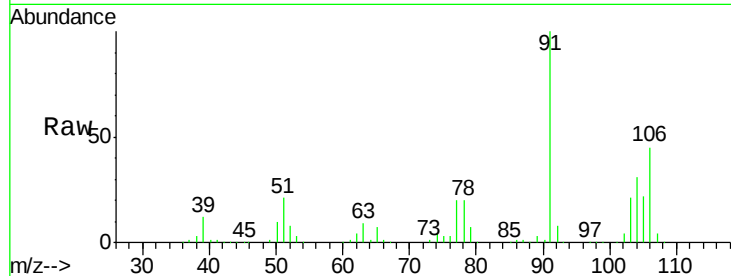
#69
o-Xylene
Concen: 51.327 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 86128
Ion Ratio Lower Upper
106 100
91 223.0 111.3 334.0

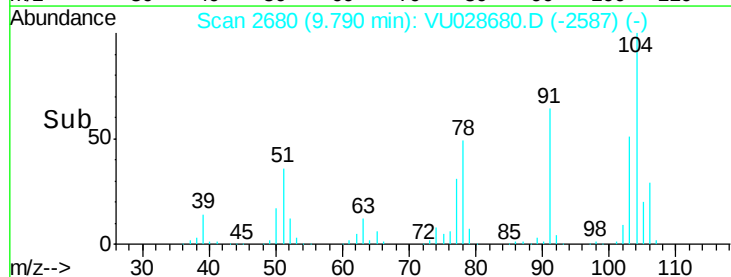
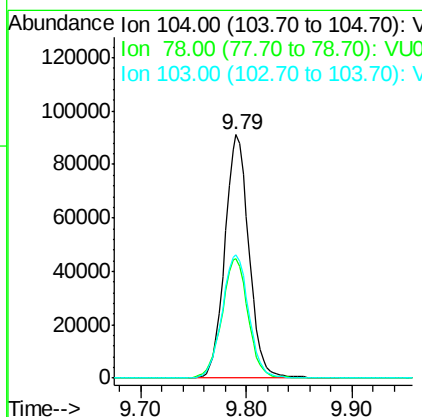
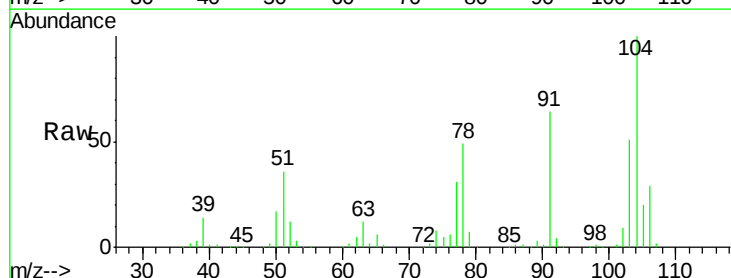
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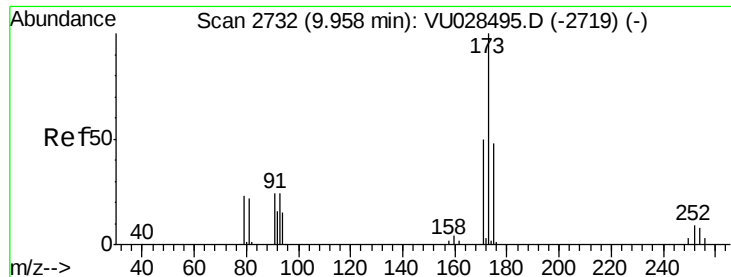
MMDadoda
12/17/2018 9:48:34 AM



#70
Styrene
Concen: 51.790 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion:104 Resp: 143822
Ion Ratio Lower Upper
104 100
78 53.6 43.0 64.6
103 56.2 44.2 66.4





#71

Bromoform

Concen: 56.891 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

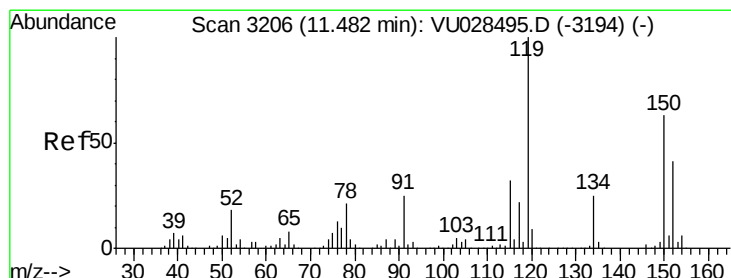
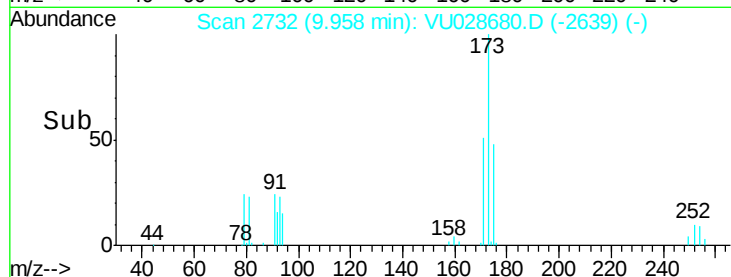
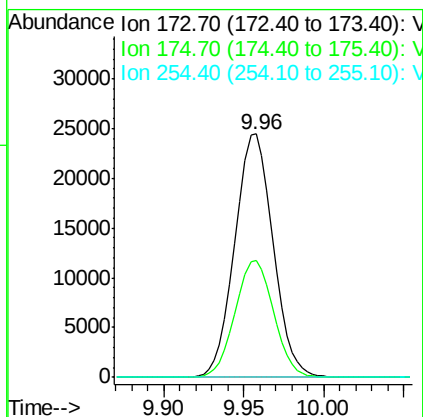
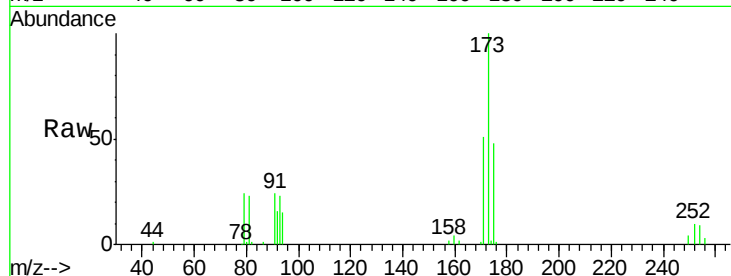
ClientSampleId :

VSTDCCC050

Tgt Ion:	173	Resp:	39894
Ion Ratio	Lower	Upper	
173	100		
175	48.2	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

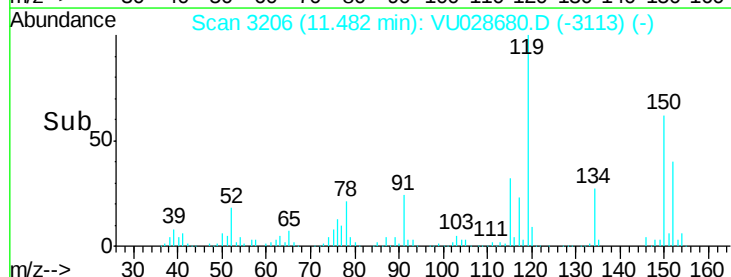
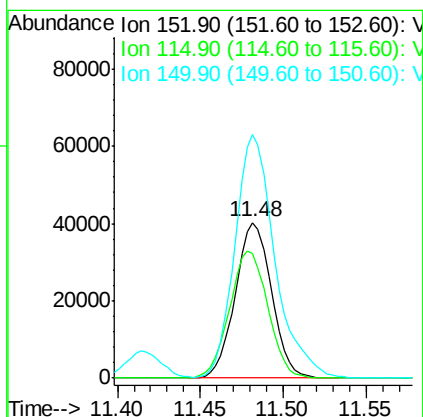
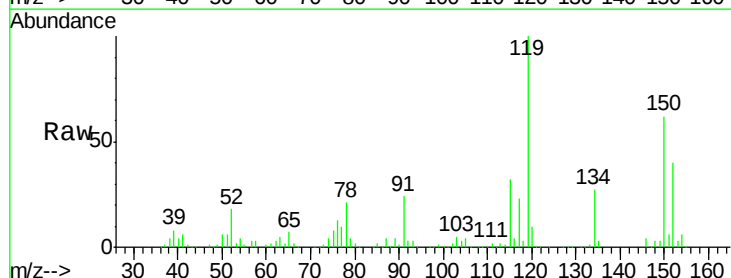
RT: 11.48 min Scan# 3206

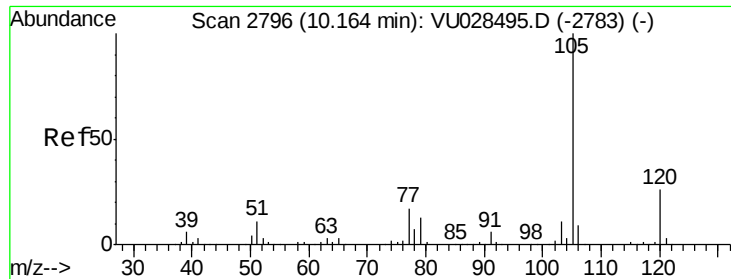
Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Tgt Ion:	152	Resp:	61115
Ion Ratio	Lower	Upper	
152	100		
115	86.5	42.7	128.1
150	173.4	0.0	346.0





#73

Isopropylbenzene

Concen: 49.292 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 231160

Ion Ratio Lower Upper

105 100

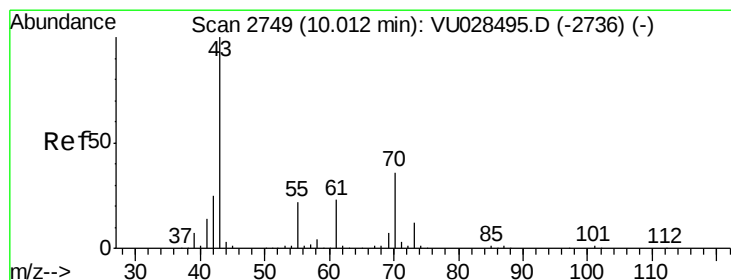
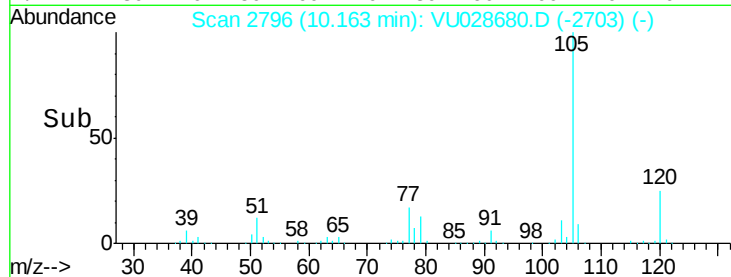
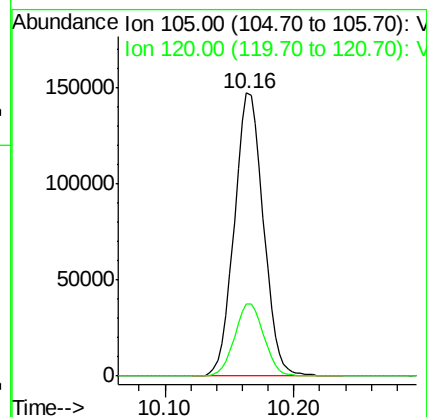
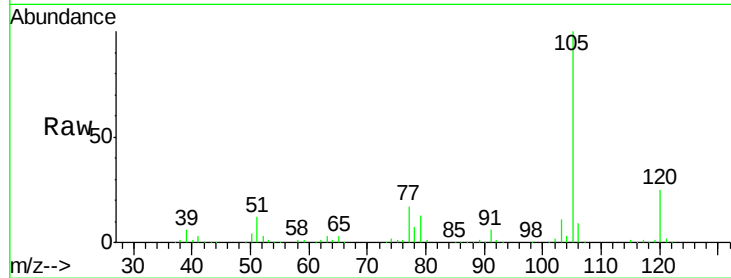
120 25.6 12.9 38.6

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#74

N-ethyl acetate

Concen: 50.895 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Tgt Ion: 43 Resp: 137676

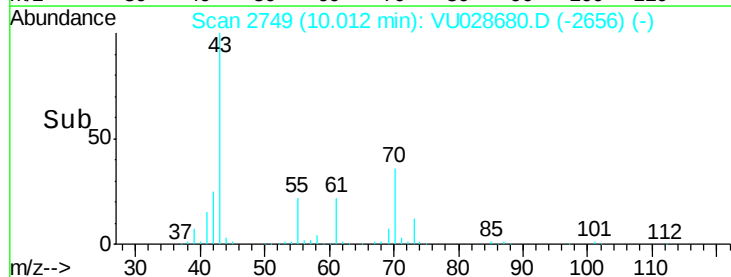
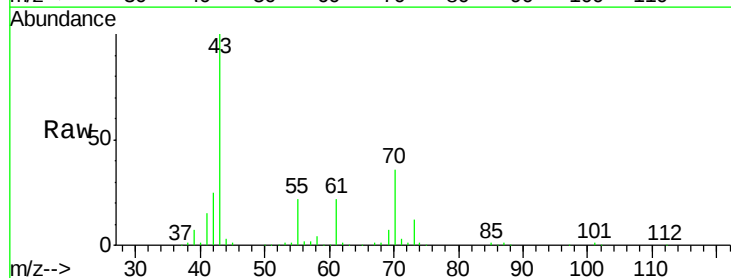
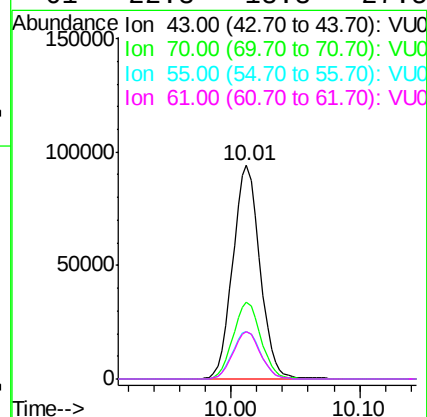
Ion Ratio Lower Upper

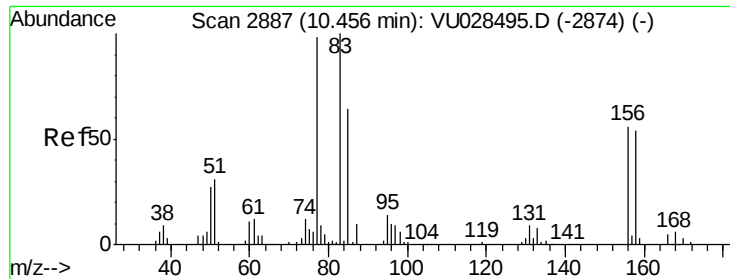
43 100

70 36.6 29.3 43.9

55 23.0 18.0 27.0

61 22.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.293 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

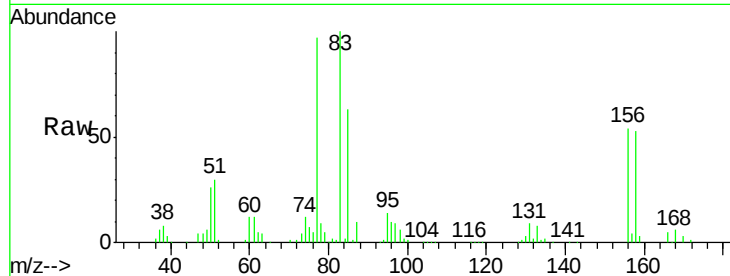
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	94205
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.2	12.4
85	63.7	31.8	95.4

Manual Integrations
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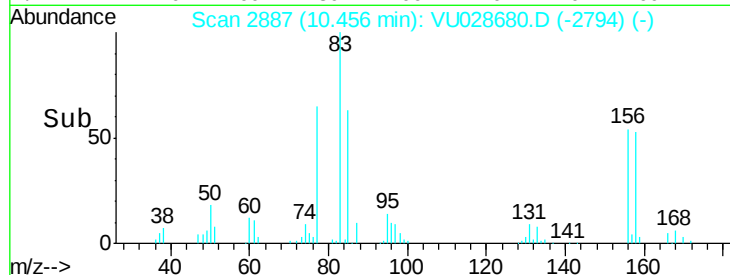


Abundance Ion 82.90 (82.60 to 83.60): VU028680.D (-2794) (-)

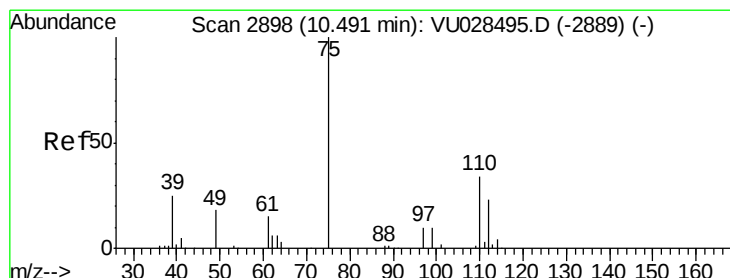
Ion 130.80 (130.50 to 131.50): VU028680.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028680.D (-2794) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 52.879 ug/l m

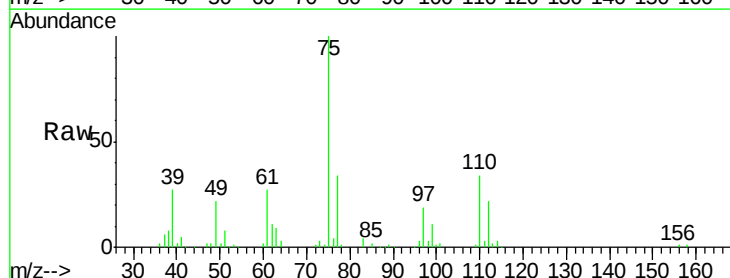
RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

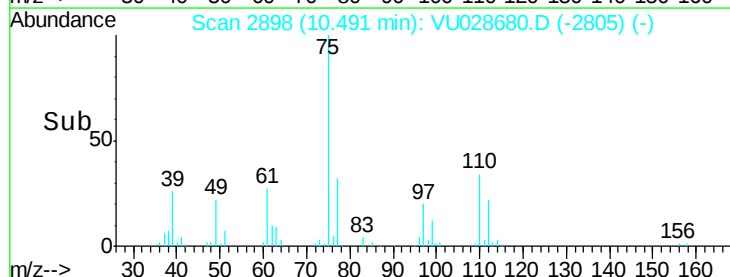
Tgt Ion:	75	Resp:	82522
Ion Ratio	Lower	Upper	
75	100		
77	42.1	20.8	62.4



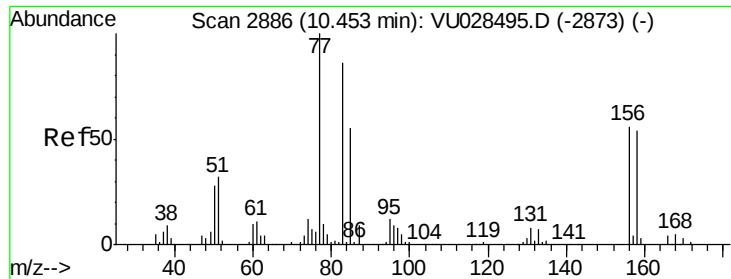
Abundance Ion 74.90 (74.60 to 75.60): VU028680.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU028680.D (-2805) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 49.844 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

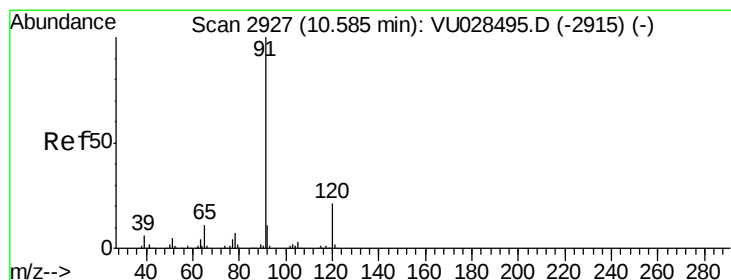
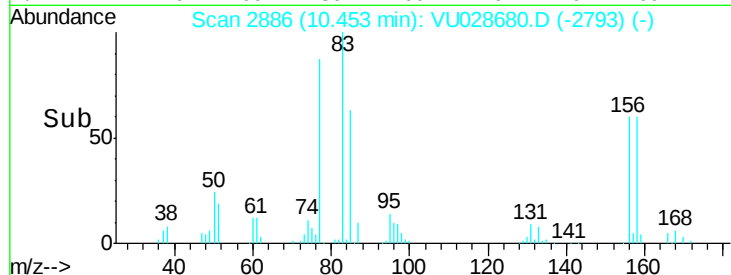
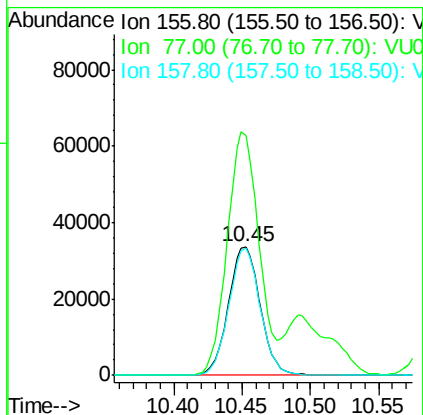
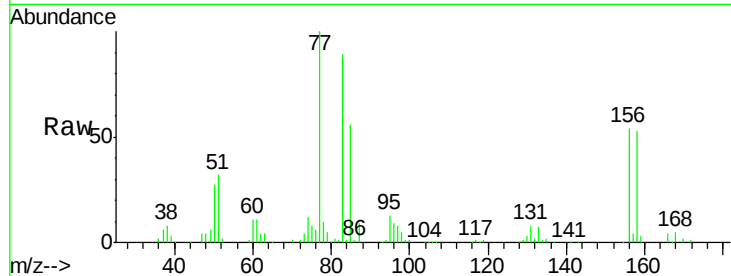
ClientSampleId :

VSTDCCC050

Tgt Ion: 156 Resp: 54668
 Ion Ratio Lower Upper
 156 100
 77 188.2 92.4 277.2
 158 97.5 48.4 145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 49.845 ug/l

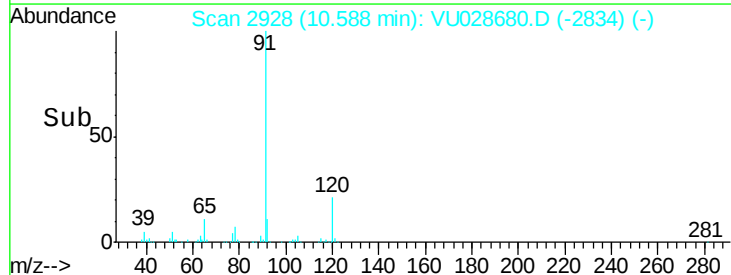
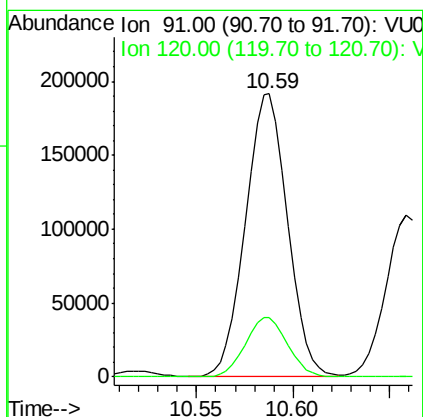
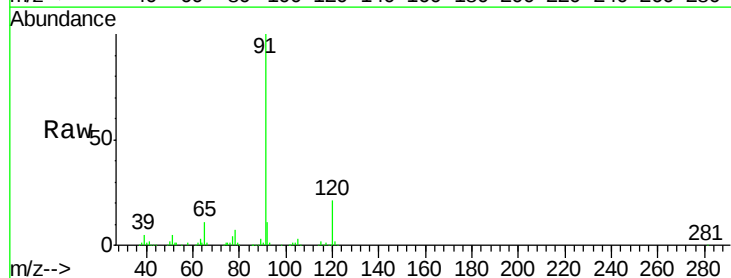
RT: 10.59 min Scan# 2928

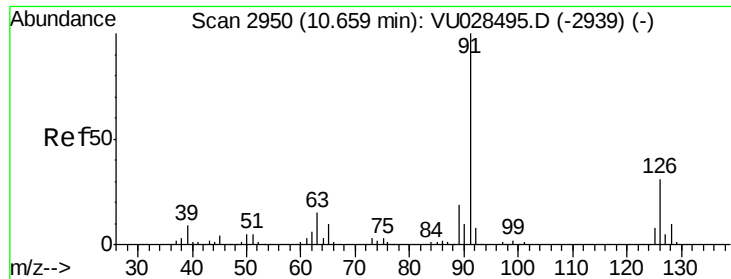
Delta R.T. 0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Tgt Ion: 91 Resp: 290456
 Ion Ratio Lower Upper
 91 100
 120 21.0 10.6 31.8





#79

2-Chlorotoluene

Concen: 50.402 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 169182

Ion Ratio Lower Upper

91 100

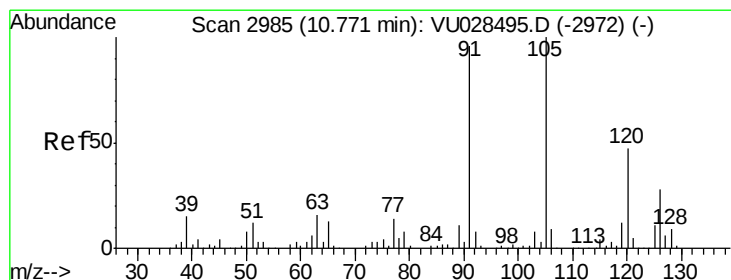
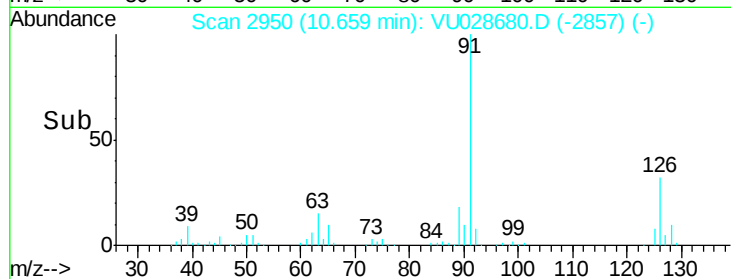
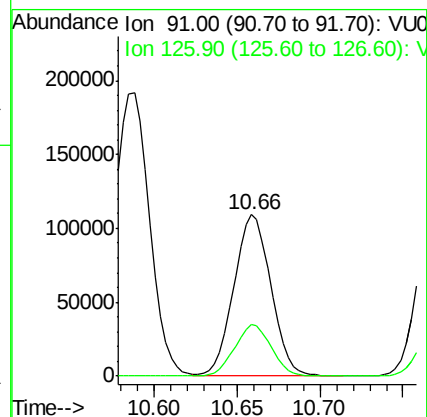
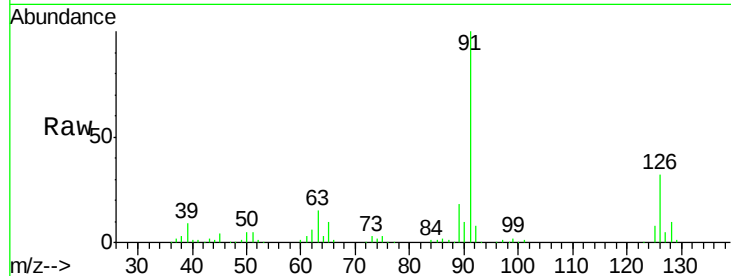
126 31.9 15.6 46.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.746 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028680.D

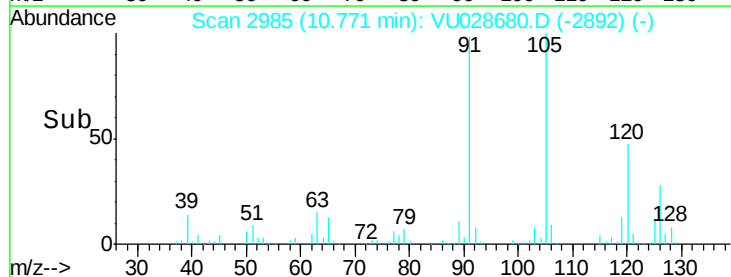
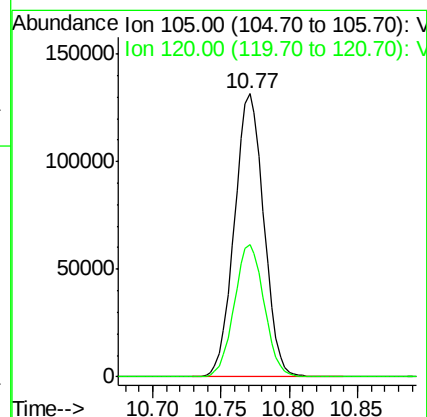
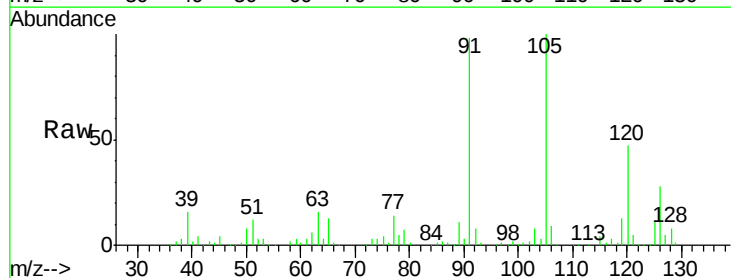
Acq: 14 Dec 2018 13:49

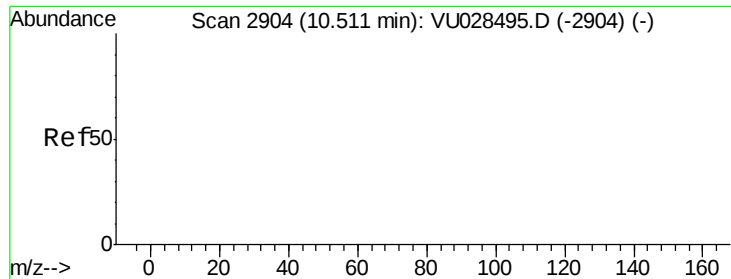
Tgt Ion: 105 Resp: 196992

Ion Ratio Lower Upper

105 100

120 47.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 48.885 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU028680.D

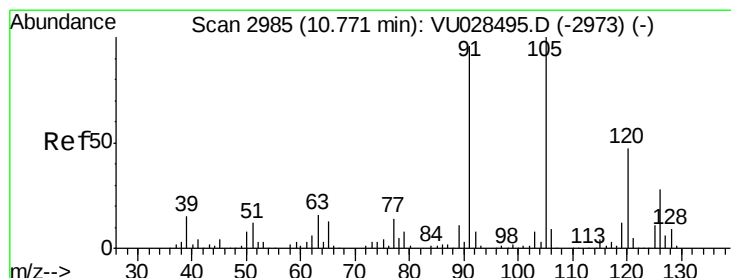
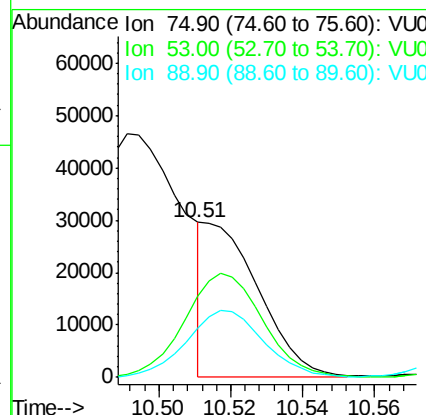
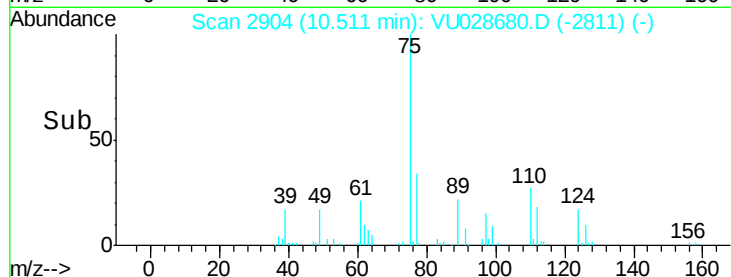
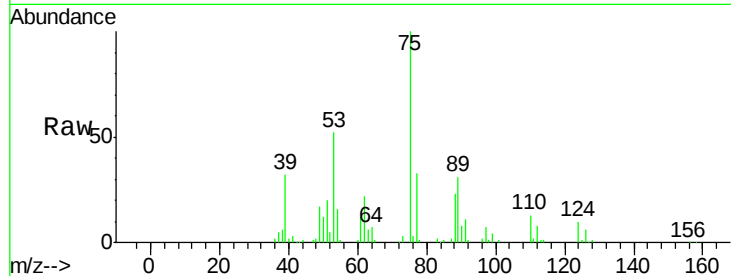
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

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#82

4-Chlorotoluene

Concen: 49.268 ug/l

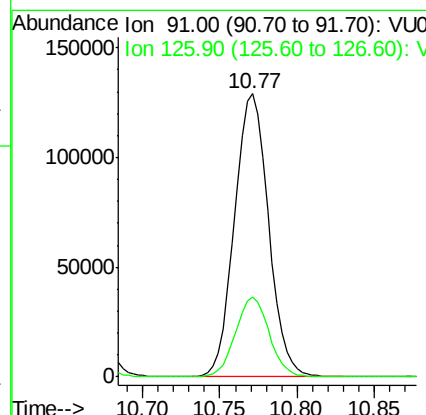
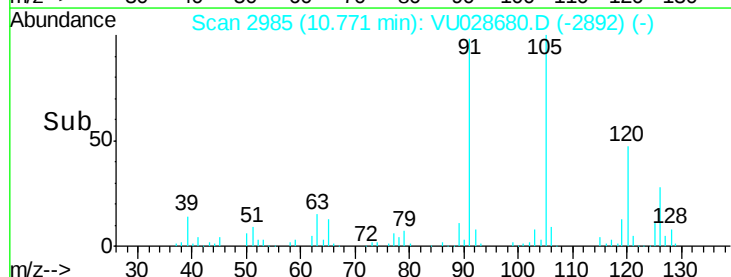
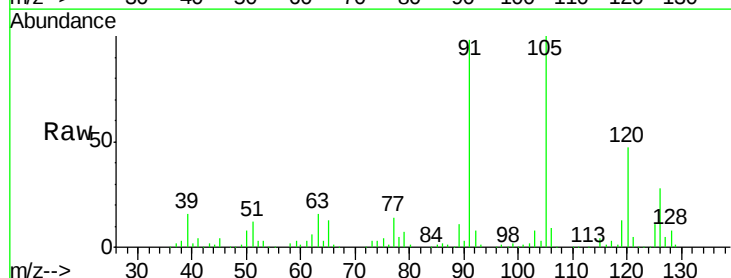
RT: 10.77 min Scan# 2985

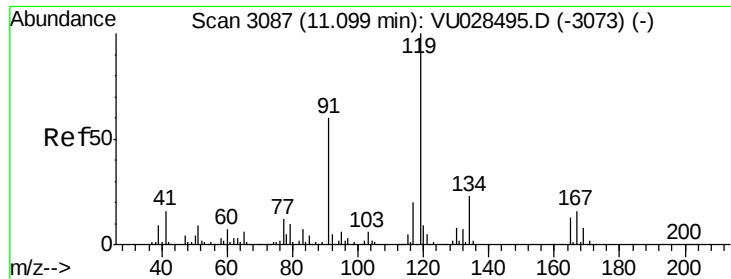
Delta R.T. -0.00 min

Lab File: VU028680.D

Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.1	42.3





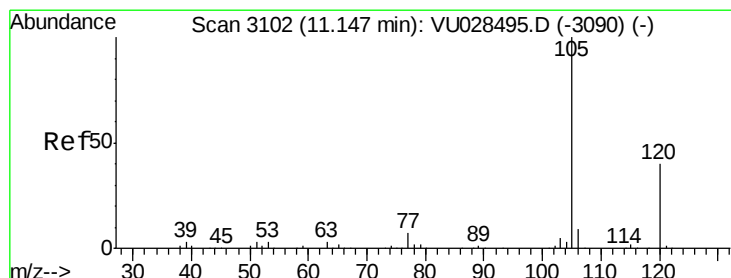
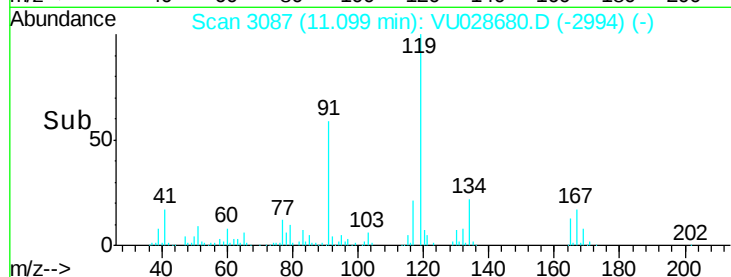
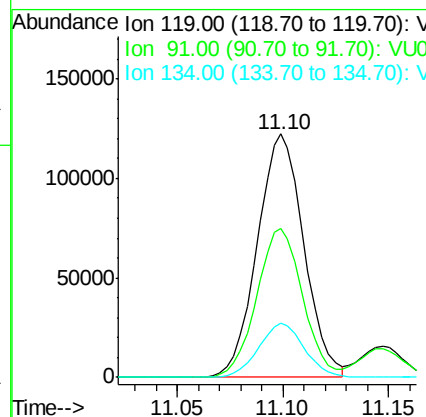
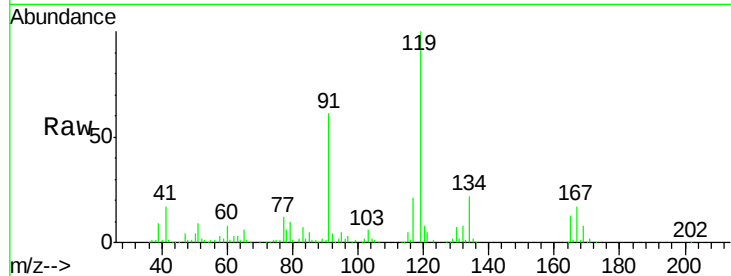
#83
 tert-Butylbenzene
 Concen: 50.143 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	187615		
91	60.4	30.3	91.0	
134	21.7	11.2	33.5	

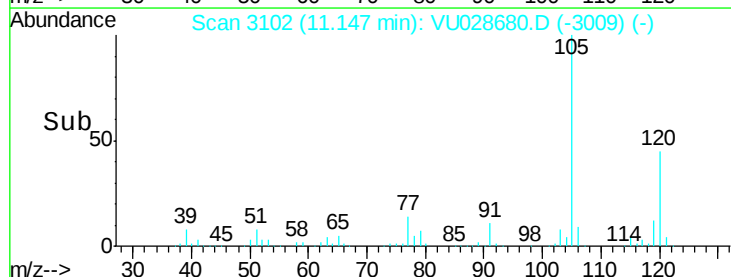
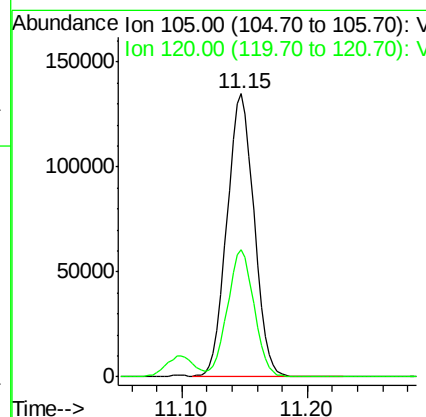
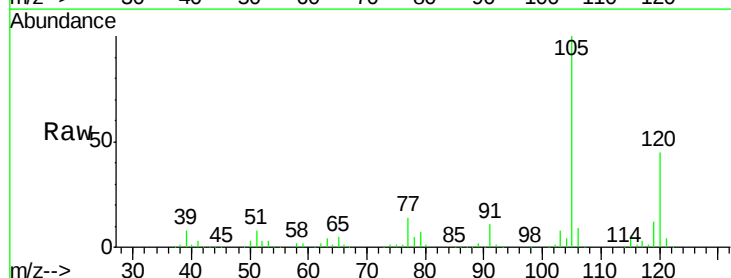
Manual Integrations
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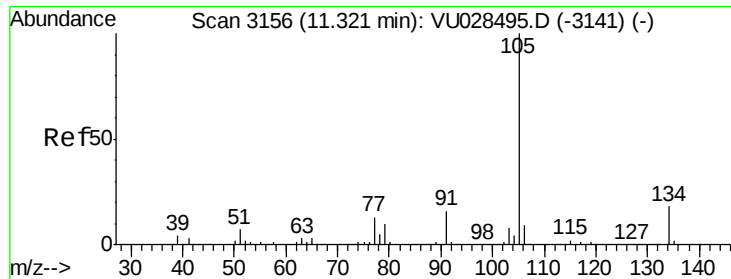
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.551 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	202236		
120	44.1	21.8	65.4	





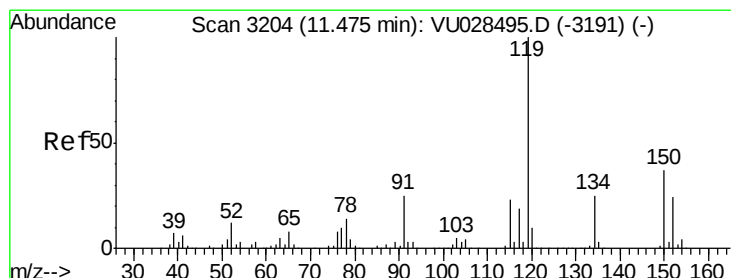
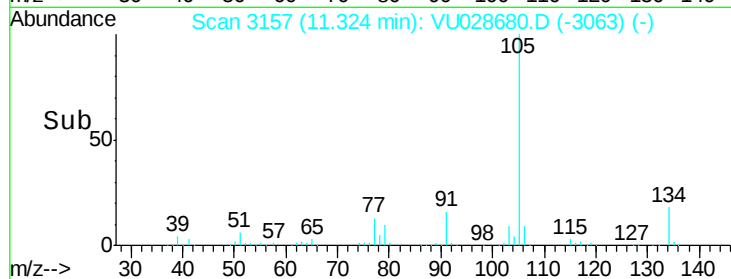
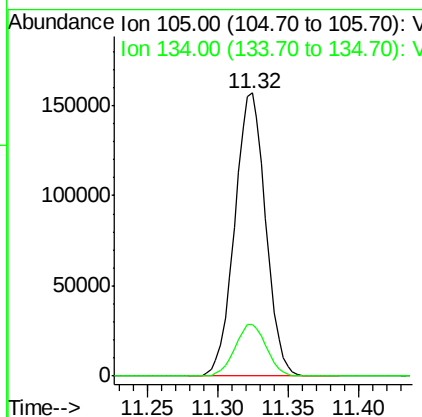
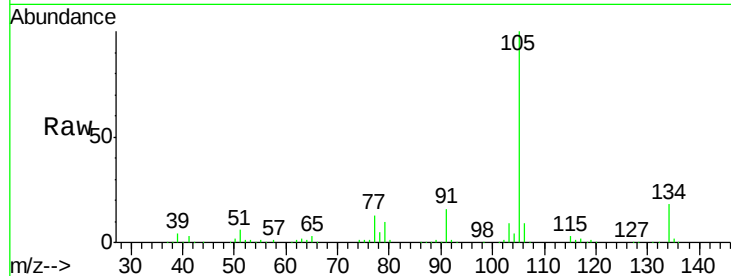
#85
 sec-Butylbenzene
 Concen: 50.150 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 241058
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.2 27.6

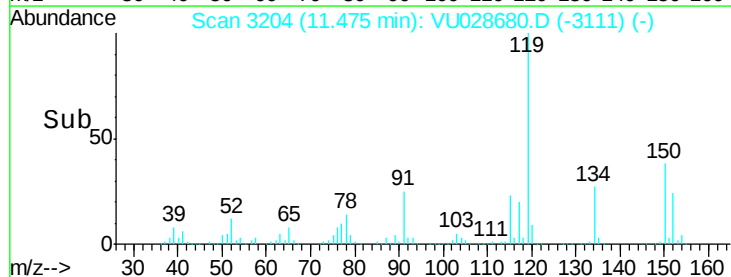
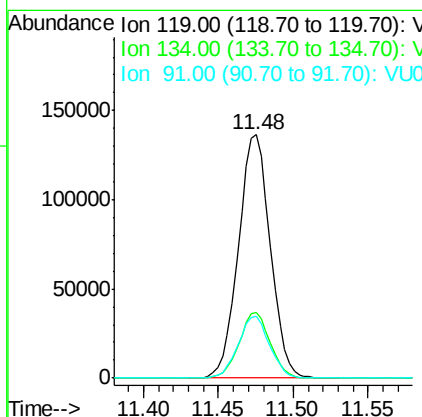
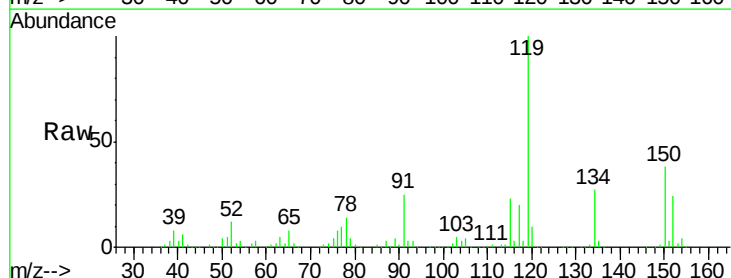
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 49.511 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Tgt Ion:119 Resp: 202162
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.7 38.1
 91 25.1 12.6 37.6





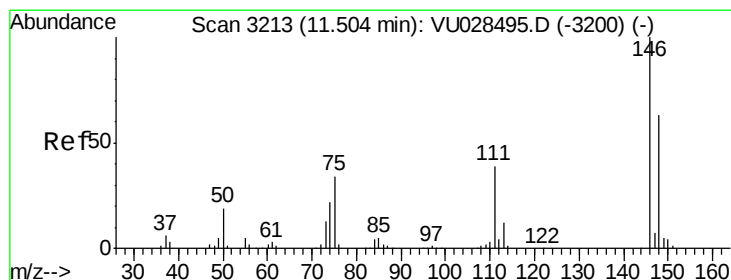
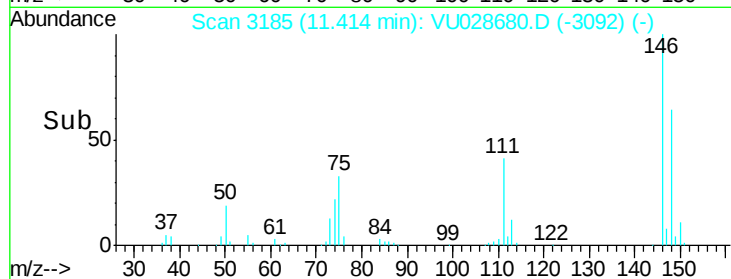
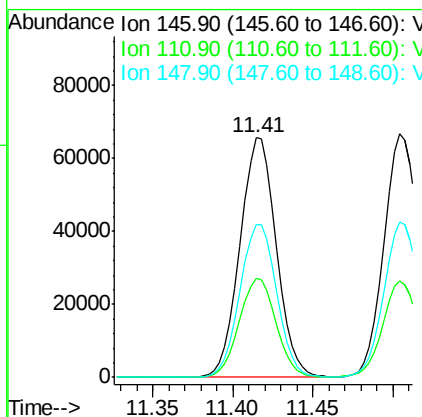
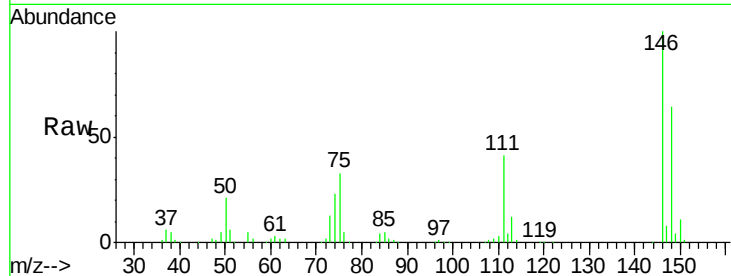
#87
 1,3-Dichlorobenzene
 Concen: 49.132 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.7	62.1
148	64.7	31.9	95.7

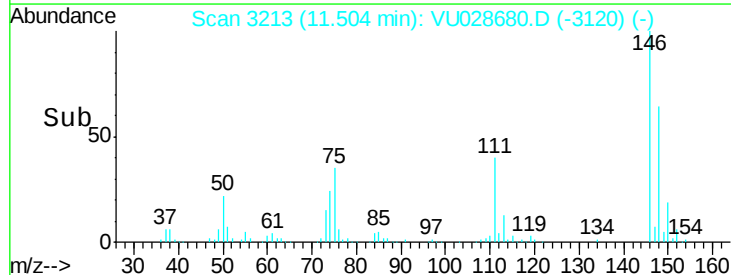
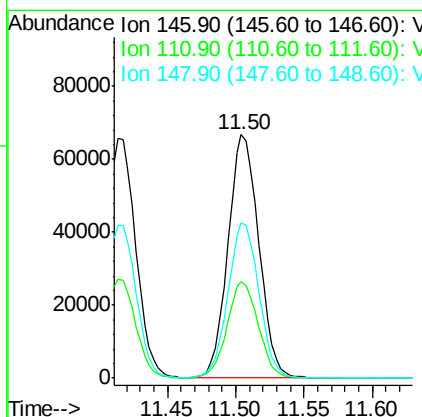
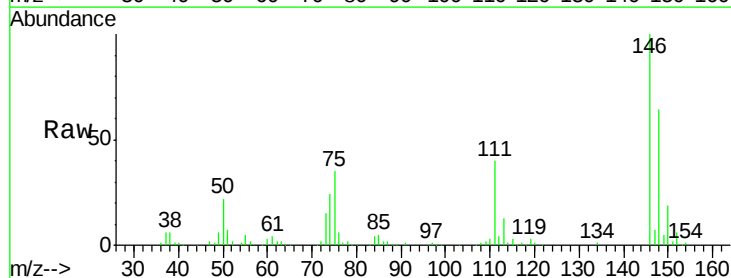
Manual Integrations
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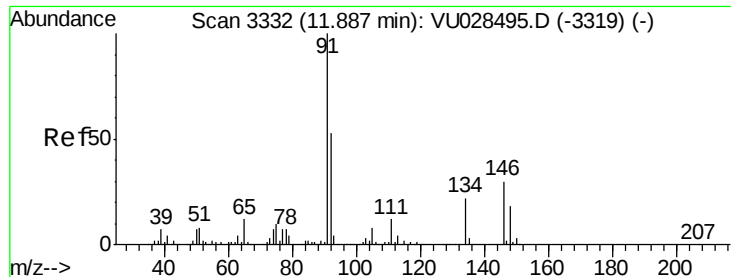
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 48.942 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.5
148	64.0	31.6	95.0





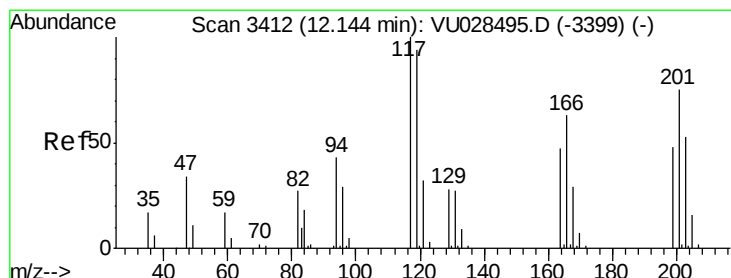
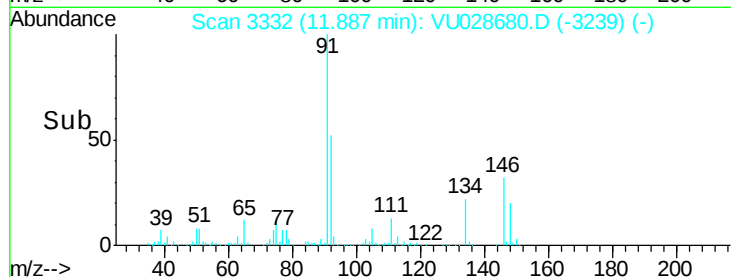
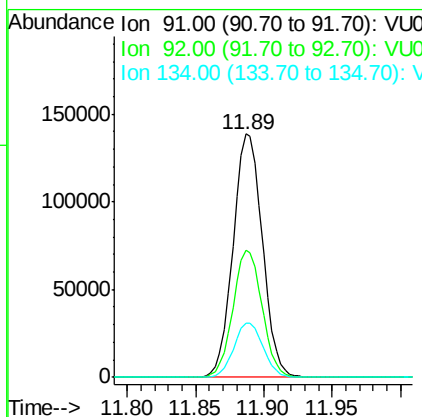
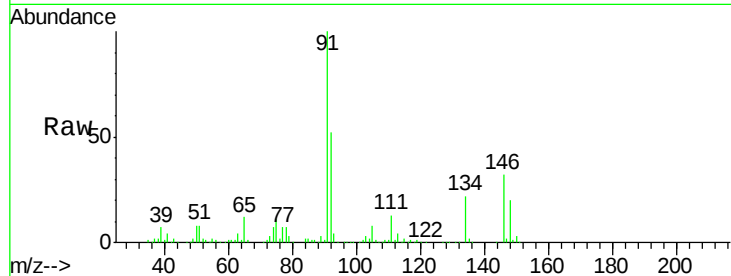
#89
n-Butylbenzene
Concen: 50.057 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.9
134	22.4	11.3	33.8

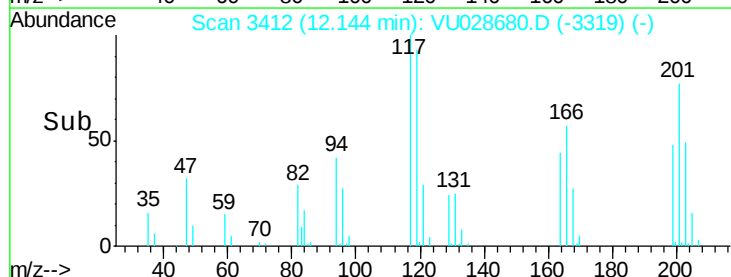
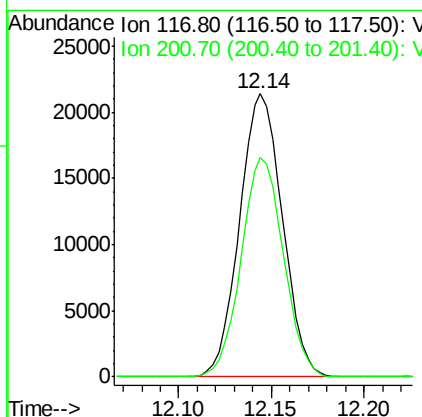
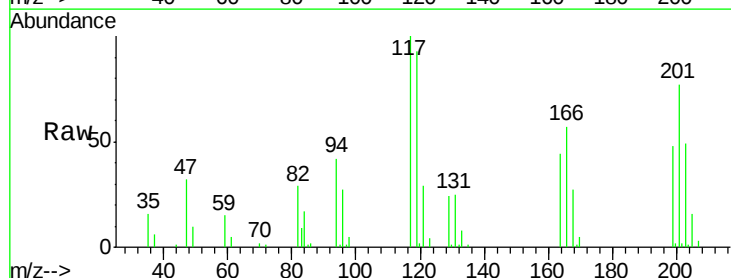
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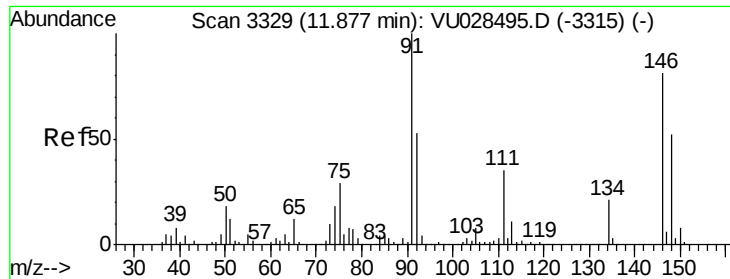
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#90
Hexachloroethane
Concen: 55.444 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.3	38.1	114.5





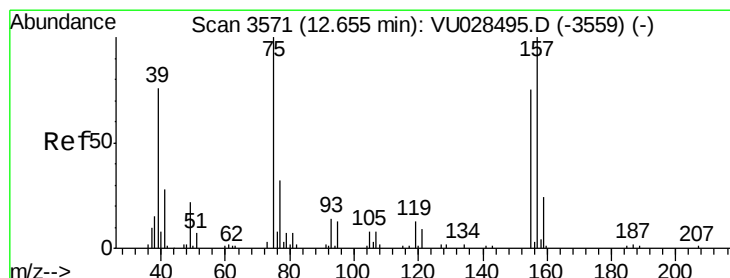
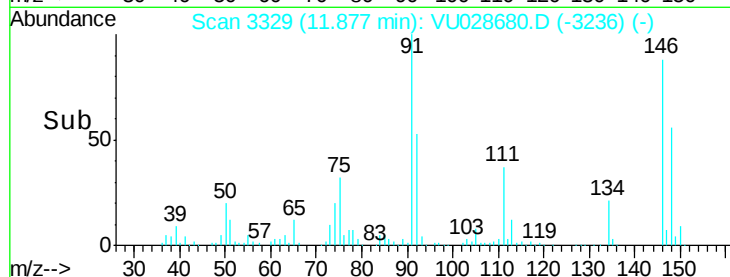
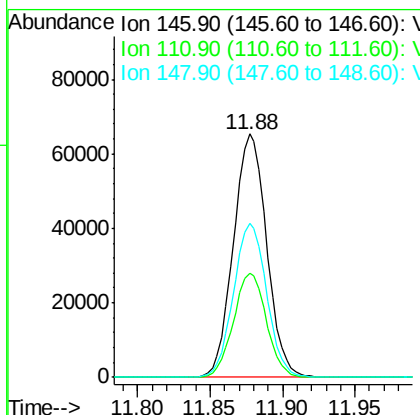
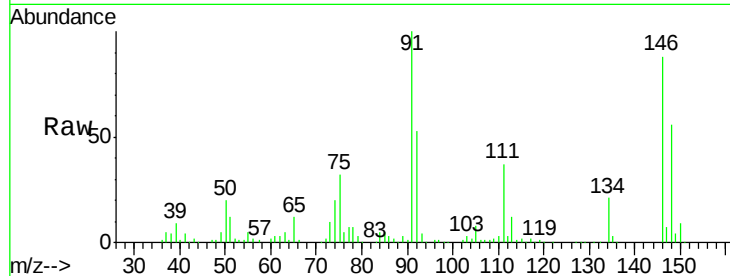
#91
 1,2-Dichlorobenzene
 Concen: 50.199 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	103991		
111	42.1		21.1	63.4
148	63.3		31.4	94.2

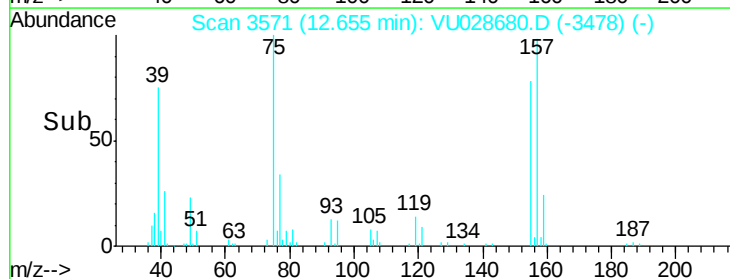
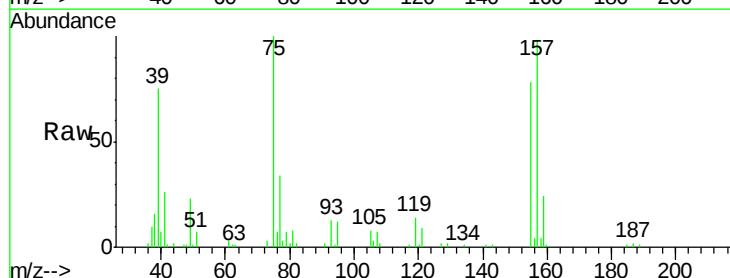
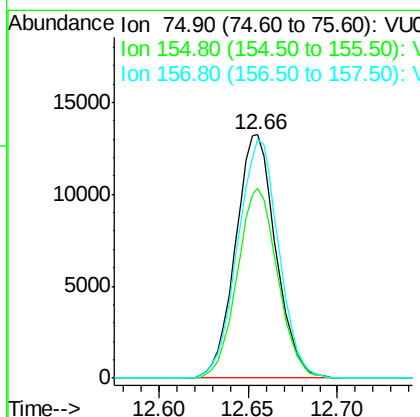
Manual Integrations
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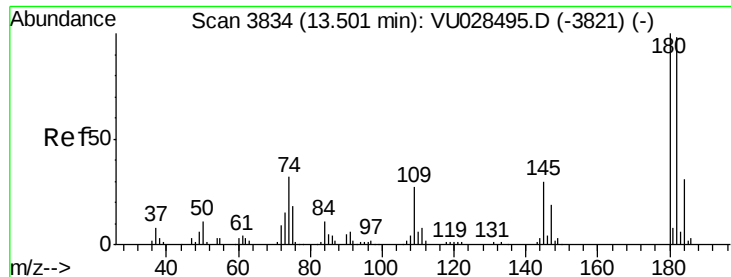
MMDadoda
 12/17/2018 9:48:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.447 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20845		
155	78.2		38.1	114.5
157	100.2		48.7	146.1





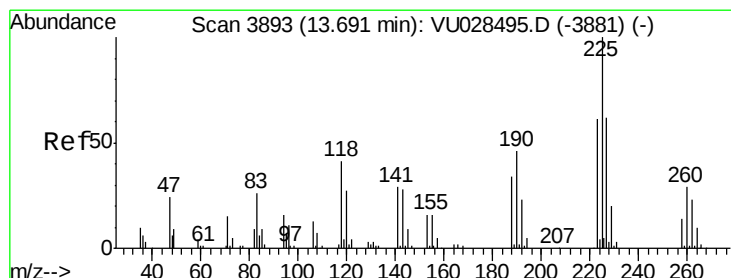
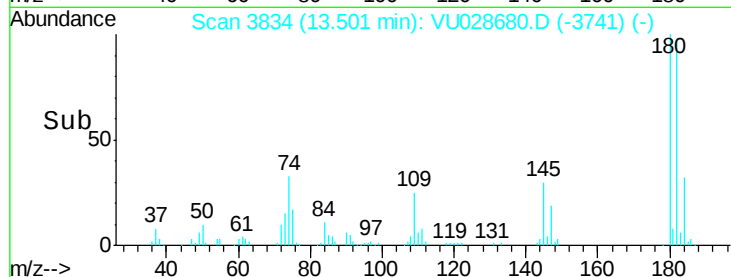
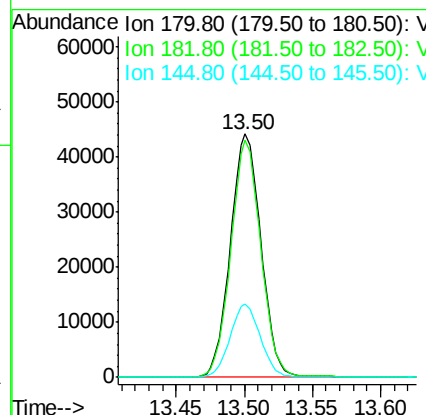
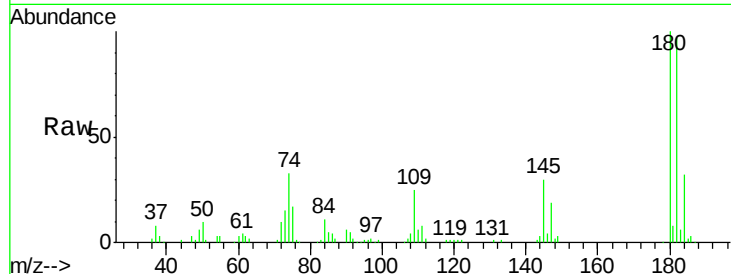
#93
 1,2,4-Trichlorobenzene
 Concen: 48.615 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.8
145	29.8	15.0	45.1

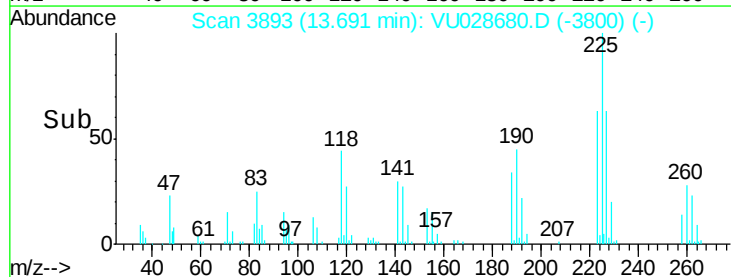
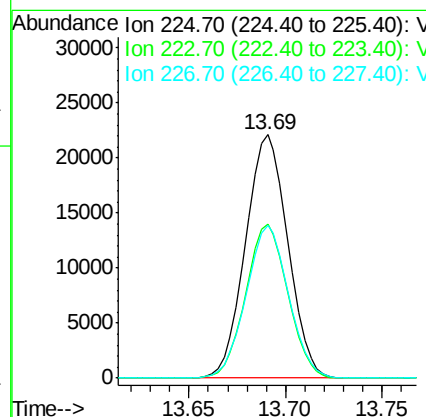
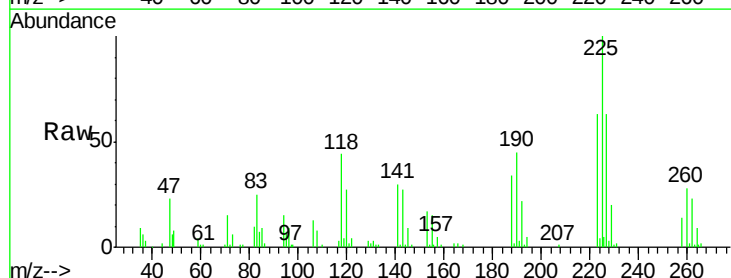
Manual Integrations
 APPROVED

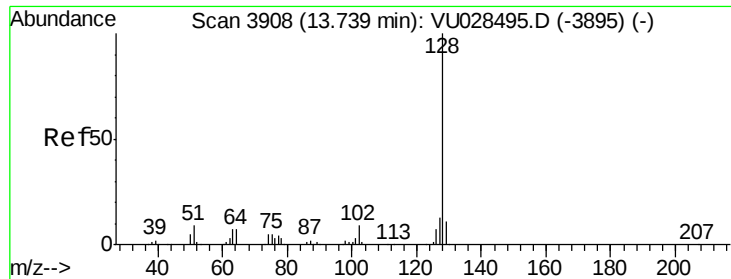
MMDadoda
 12/17/2018 9:48:34 AM



#94
 Hexachlorobutadiene
 Concen: 49.534 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028680.D
 Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.4	91.2
227	62.7	30.7	92.1





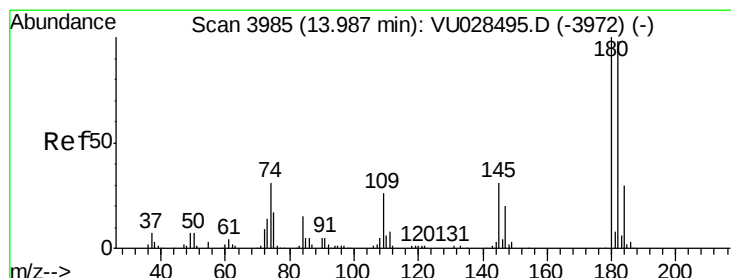
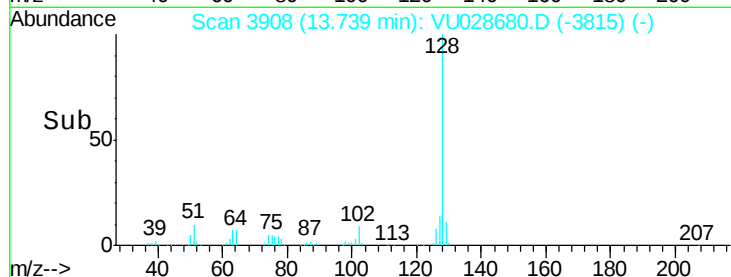
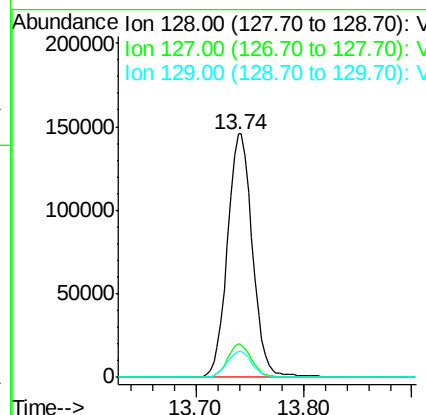
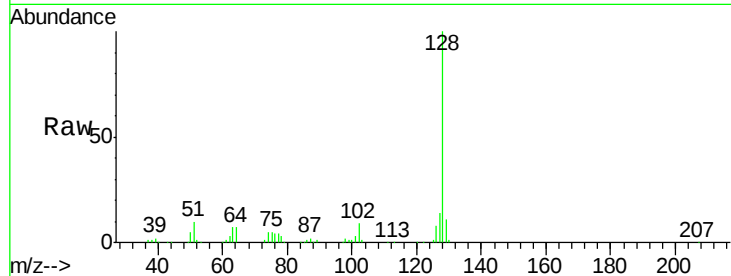
#95
Naphthalene
Concen: 47.468 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/17/2018 9:48:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.316 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028680.D
Acq: 14 Dec 2018 13:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.2	144.6
145	31.6	15.8	47.3

