

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028637.D
 Acq On : 12 Dec 2018 09:01
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 9:29:28 AM

Quant Time: Dec 13 00:55:29 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	118124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	199179	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	182716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	89896	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	83694	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	
35) Dibromofluoromethane	4.88	113	64873	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	7.56	98	255629	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
62) 4-Bromofluorobenzene	10.30	95	94465	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	70690	44.648	ug/l	100
3) Chloromethane	1.33	50	118027	40.547	ug/l	99
4) Vinyl Chloride	1.40	62	94755	45.107	ug/l	100
5) Bromomethane	1.61	94	39565	46.757	ug/l	97
6) Chloroethane	1.69	64	55179	46.399	ug/l	98
7) Trichlorofluoromethane	1.88	101	100837	45.625	ug/l	100
8) Diethyl Ether	2.10	74	46635	45.101	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	62430	47.231	ug/l	99
10) Methyl Iodide	2.41	142	64310	62.006	ug/l	98
11) Tert butyl alcohol	2.83	59	86464	215.286	ug/l	99
12) 1,1-Dichloroethene	2.28	96	60575	46.059	ug/l	95
13) Acrolein	2.19	56	75890	237.030	ug/l	100
14) Allyl chloride	2.59	41	132194	42.489	ug/l	99
15) Acrylonitrile	2.93	53	258284	231.638	ug/l	99
16) Acetone	2.32	43	292647	248.784	ug/l	97
17) Carbon Disulfide	2.48	76	204936	43.254	ug/l	100
18) Methyl Acetate	2.61	43	144258	47.309	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	229157	45.963	ug/l	99
20) Methylene Chloride	2.70	84	74194	42.786	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	67266	45.426	ug/l	93
22) Diisopropyl ether	3.57	45	270634	44.730	ug/l	98
23) Vinyl Acetate	3.52	43	1123939	225.211	ug/l	99
24) 1,1-Dichloroethane	3.44	63	138414	43.704	ug/l	99
25) 2-Butanone	4.26	43	378635	235.536	ug/l	97
26) 2,2-Dichloropropane	4.22	77	112815	44.955	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	78291	46.713	ug/l	96
28) Bromochloromethane	4.55	49	68371	47.487	ug/l	96
29) Tetrahydrofuran	4.63	42	231042	223.785	ug/l	97
30) Chloroform	4.67	83	125965	45.634	ug/l	97
31) Cyclohexane	4.99	56	137960	44.507	ug/l	100
32) 1,1,1-Trichloroethane	4.91	97	104275	45.484	ug/l	98
36) 1,1-Dichloropropene	5.13	75	98656	45.264	ug/l	97
37) Ethyl Acetate	4.38	43	131555	46.691	ug/l	99
38) Carbon Tetrachloride	5.13	117	84361	48.021	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	125358	47.144	ug/l	97
40) Benzene	5.39	78	304797	47.481	ug/l	97
41) Methacrylonitrile	4.54	41	75027	48.623	ug/l	99
42) 1,2-Dichloroethane	5.40	62	101498	45.170	ug/l	100
43) Isopropyl Acetate	5.55	43	212536	47.691	ug/l	99
44) Trichloroethene	6.18	130	69631	48.784	ug/l	97
45) 1,2-Dichloropropane	6.43	63	85992	47.636	ug/l	98
46) Dibromomethane	6.56	93	50761	47.393	ug/l	95
47) Bromodichloromethane	6.76	83	99837	47.901	ug/l	99
48) Methyl methacrylate	6.62	41	105448	47.580	ug/l	97
49) 1,4-Dioxane	6.61	88	32048	915.818	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	661287	235.267	ug/l	98
52) Toluene	7.64	92	181036	47.919	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	119330	48.073	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	128555	47.735	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	73760	49.391	ug/l	99
56) Ethyl methacrylate	8.02	69	127653	49.916	ug/l	97
57) 1,3-Dichloropropane	8.24	76	130285	46.997	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	331072	252.749	ug/l	98
59) 2-Hexanone	8.36	43	536633	240.875	ug/l	97
60) Dibromochloromethane	8.48	129	71296	48.762	ug/l	99
61) 1,2-Dibromoethane	8.58	107	77812	49.687	ug/l	99
64) Tetrachloroethene	8.22	164	58665	48.135	ug/l	97
65) Chlorobenzene	9.12	112	189677	48.716	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	63885	51.383	ug/l	98
67) Ethyl Benzene	9.25	91	349756	48.866	ug/l	98
68) m/p-Xylenes	9.37	106	259809	99.757	ug/l	99
69) o-Xylene	9.78	106	127191	50.254	ug/l	97
70) Styrene	9.79	104	209263	49.961	ug/l	99
71) Bromoform	9.96	173	55812	52.768	ug/l #	98
73) Isopropylbenzene	10.16	105	337794	48.970	ug/l	100
74) N-amyl acetate	10.01	43	189367	47.592	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	131667	49.689	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	105611m	46.008	ug/l	
77) Bromobenzene	10.45	156	80793	50.080	ug/l	96
78) n-propylbenzene	10.58	91	412791	48.159	ug/l	99
79) 2-Chlorotoluene	10.66	91	237429	48.088	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	283897	49.719	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	52049m	55.688	ug/l	
82) 4-Chlorotoluene	10.77	91	275852	47.147	ug/l	99
83) tert-Butylbenzene	11.10	119	272765	49.561	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	288498	49.026	ug/l	99
85) sec-Butylbenzene	11.32	105	348821	49.335	ug/l	99
86) p-Isopropyltoluene	11.48	119	295045	49.125	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	147320	48.360	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	148972	47.267	ug/l	98
89) n-Butylbenzene	11.89	91	289767	47.672	ug/l	99
90) Hexachloroethane	12.14	117	45418	50.031	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	147038	48.254	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28815	50.228	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	104199	49.768	ug/l	98
94) Hexachlorobutadiene	13.69	225	47575	47.664	ug/l	97
95) Naphthalene	13.74	128	347382	47.509	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	102850	49.355	ug/l	99

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

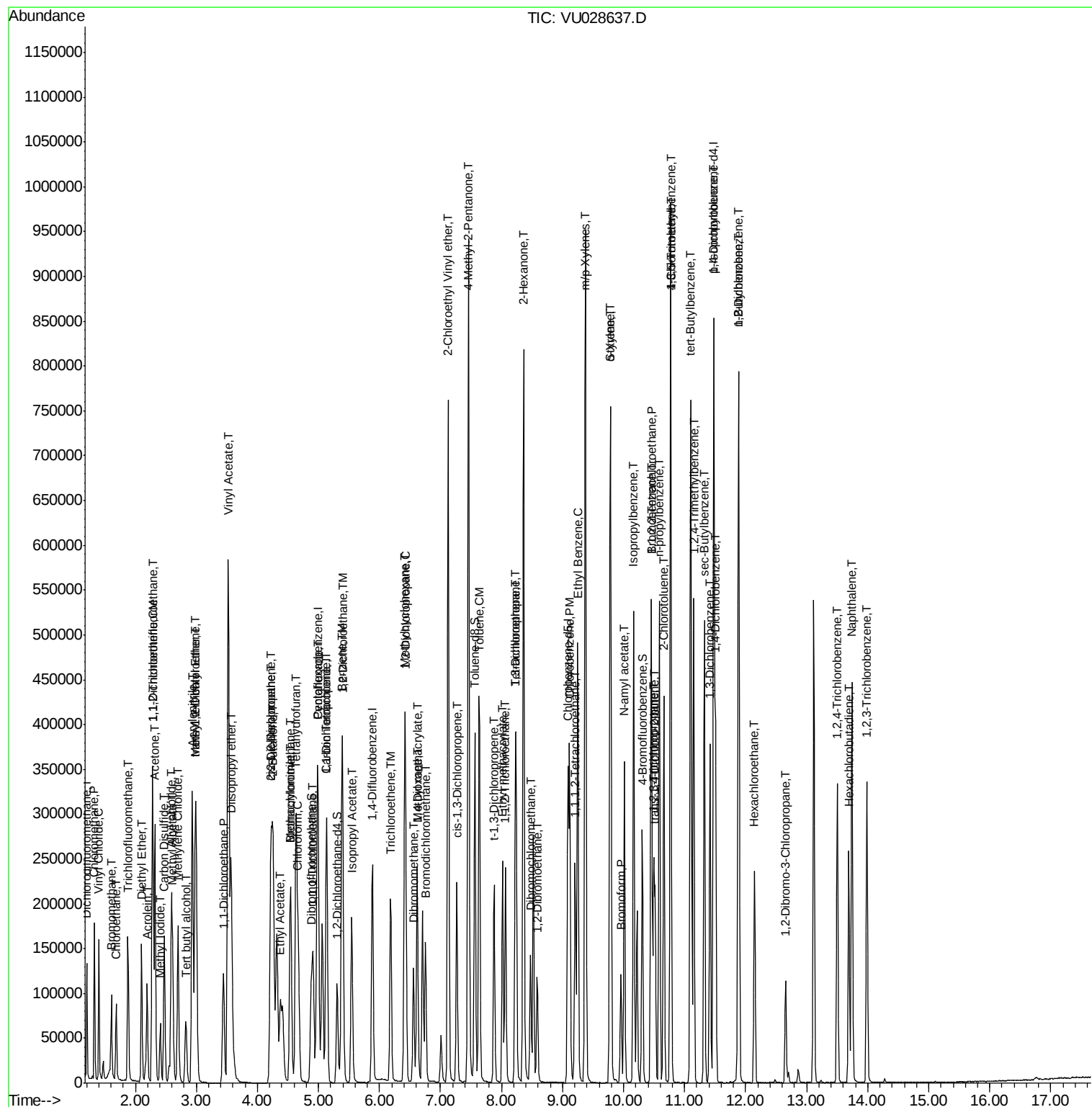
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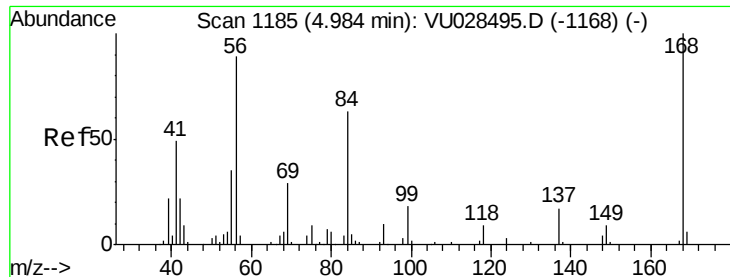
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 118124

Ion Ratio Lower Upper

168 100

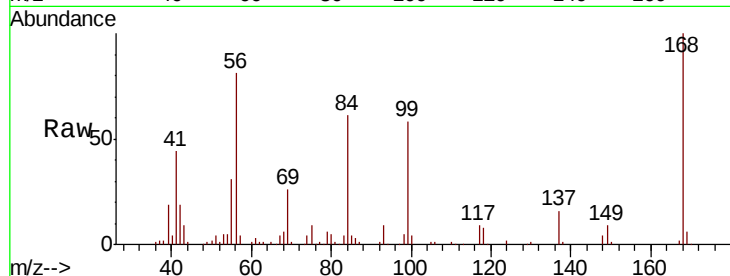
99 57.7 46.6 69.8

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

60000

50000

40000

30000

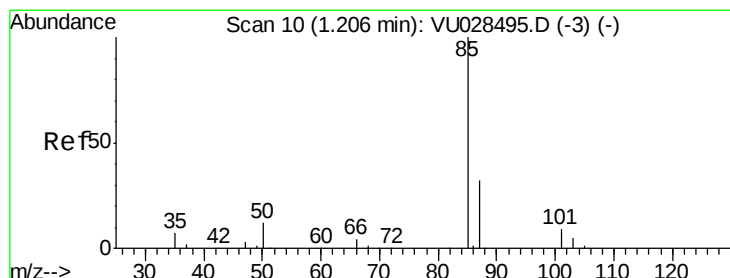
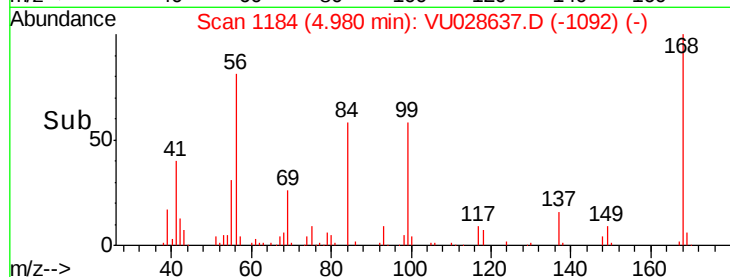
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.648 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028637.D

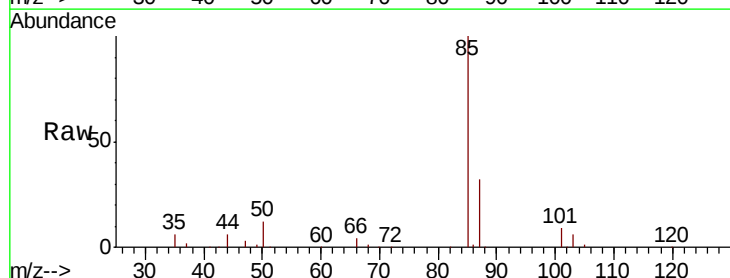
Acq: 12 Dec 2018 09:01

Tgt Ion: 85 Resp: 70690

Ion Ratio Lower Upper

85 100

87 31.9 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

80000

60000

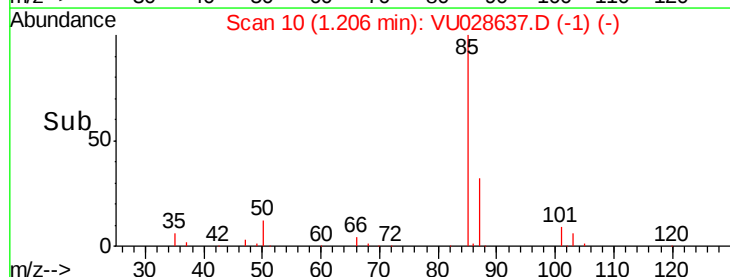
40000

20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 40.547 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 118027

Ion Ratio Lower Upper

50 100

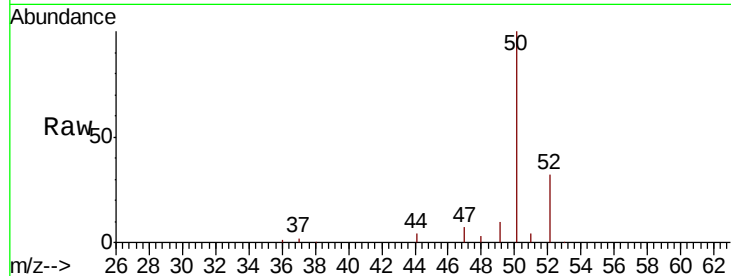
52 32.4 25.5 38.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

120000

100000

80000

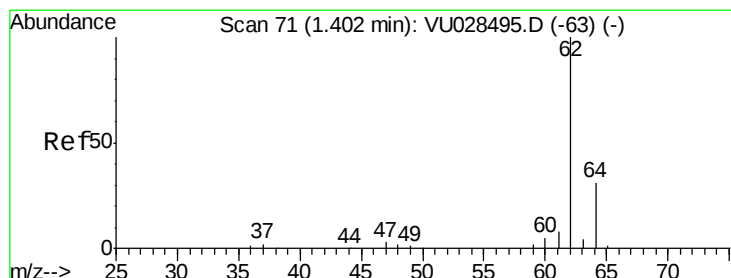
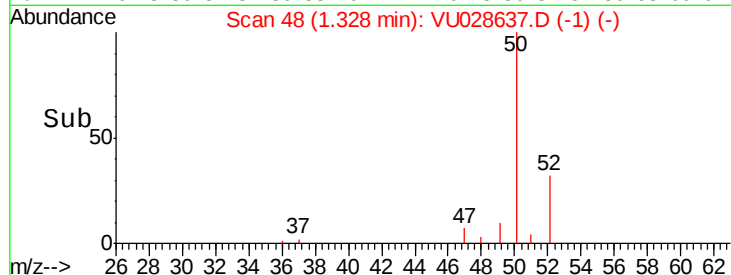
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 45.107 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028637.D

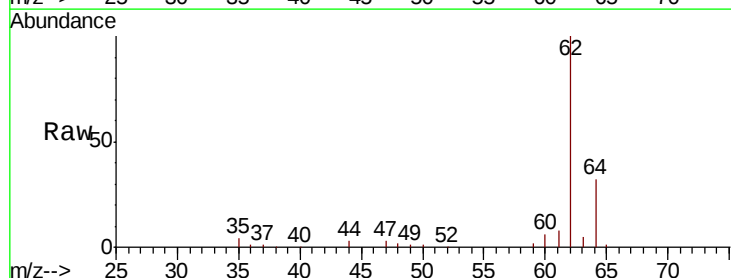
Acq: 12 Dec 2018 09:01

Tgt Ion: 62 Resp: 94755

Ion Ratio Lower Upper

62 100

64 31.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

100000

80000

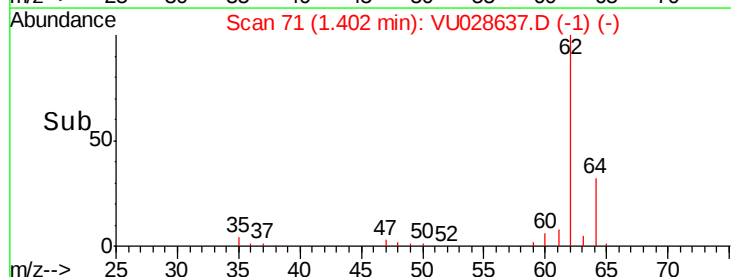
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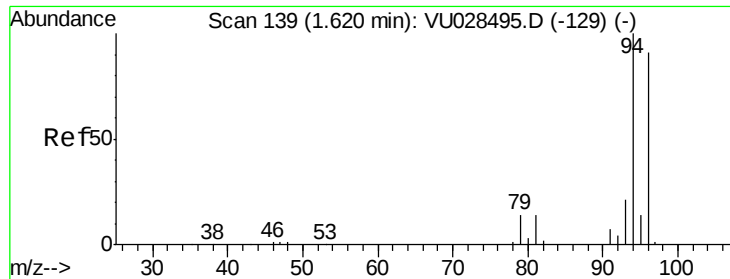
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Time-->





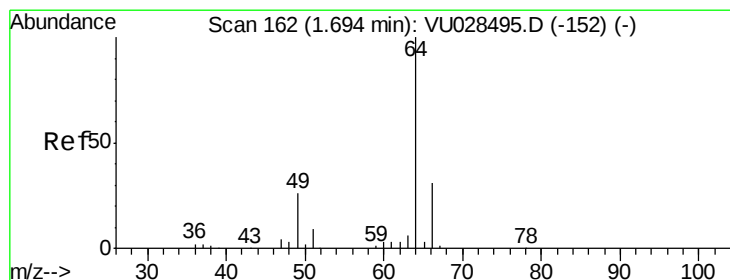
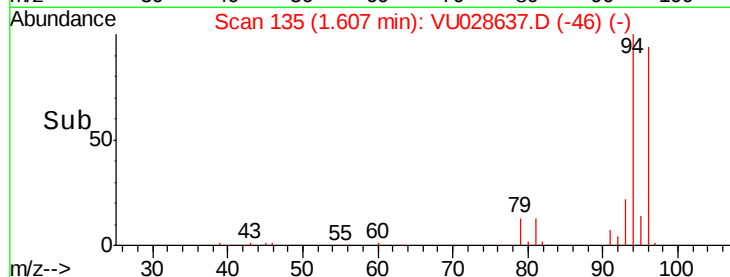
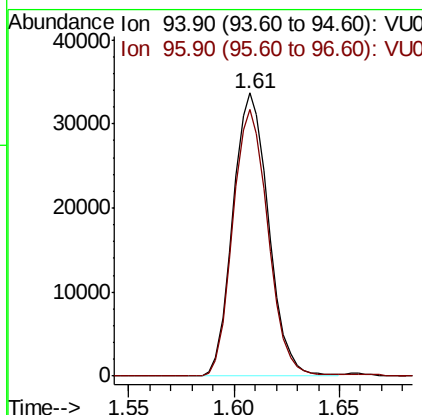
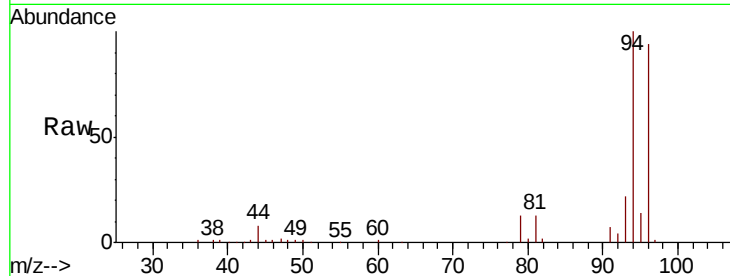
#5
Bromomethane
Concen: 46.757 ug/l
RT: 1.61 min Scan# 135
Delta R.T. -0.01 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
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Tot Ion: 94 Resp: 39565
Ion Ratio Lower Upper
94 100
96 94.0 73.2 109.8

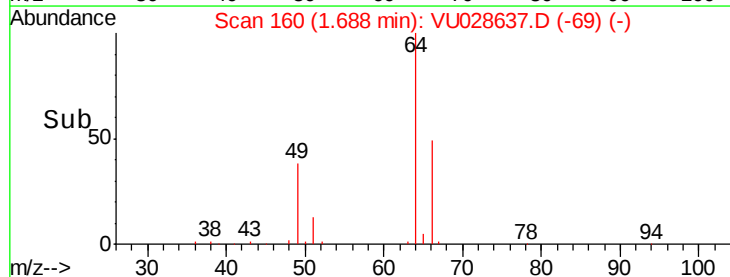
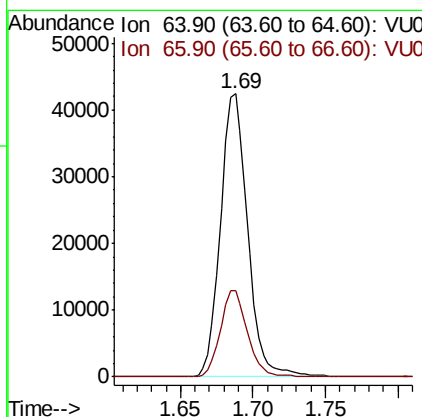
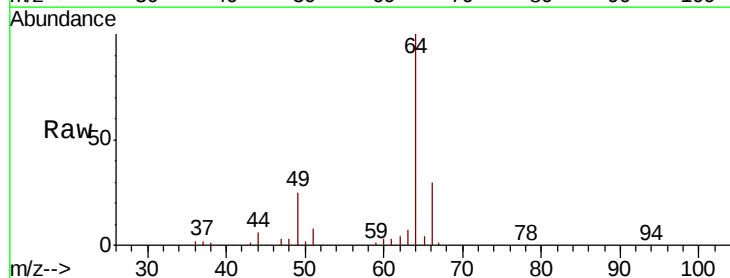
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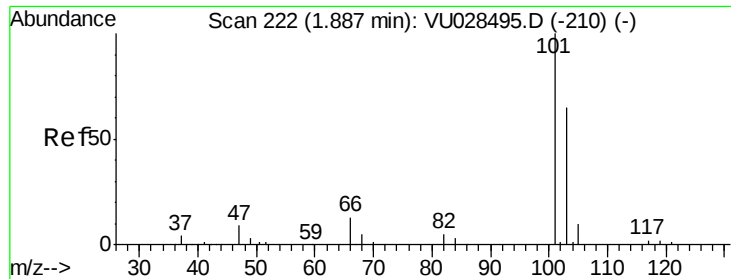
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12/13/2018 9:29:28 AM



#6
Chloroethane
Concen: 46.399 ug/l
RT: 1.69 min Scan# 160
Delta R.T. -0.01 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion: 64 Resp: 55179
Ion Ratio Lower Upper
64 100
66 30.4 25.0 37.6





#7

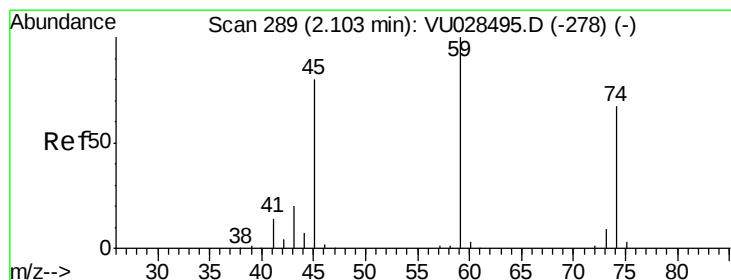
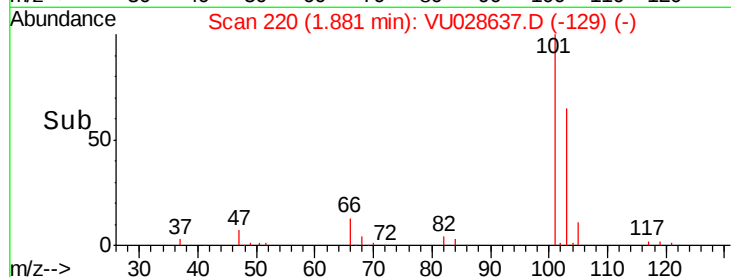
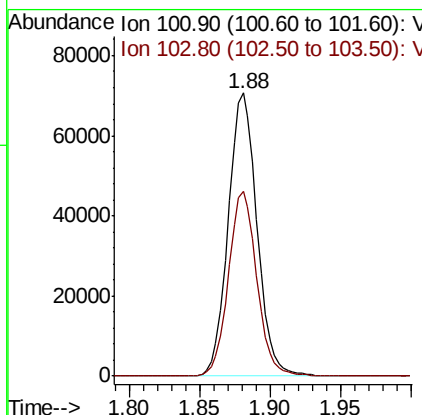
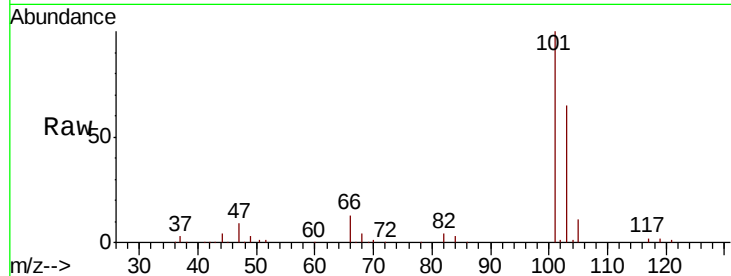
Trichlorofluoromethane
Concen: 45.625 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.3	78.5

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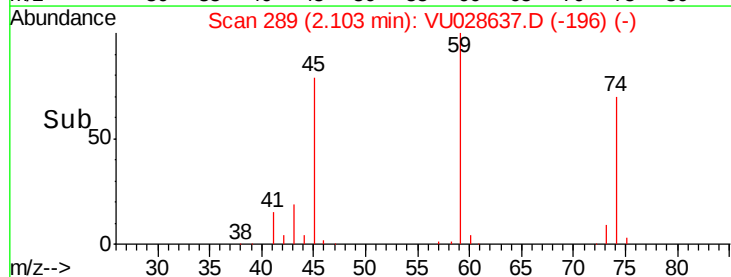
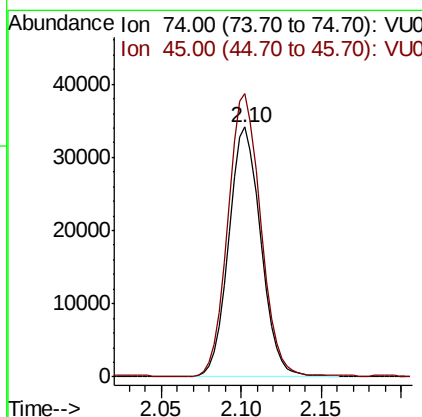
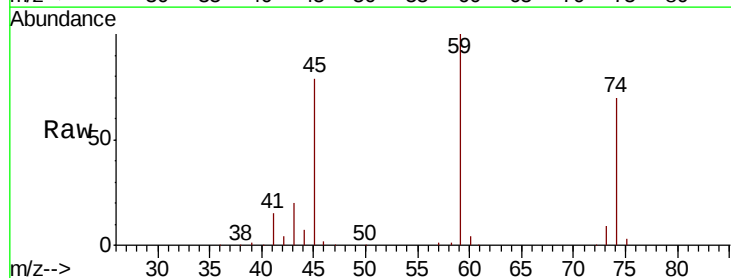
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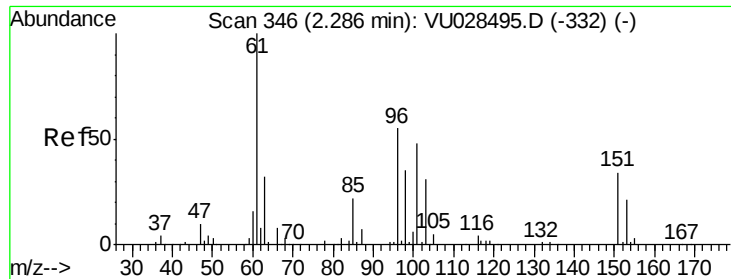


#8

Diethyl Ether
Concen: 45.101 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.3	59.7	179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.231 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028637.D

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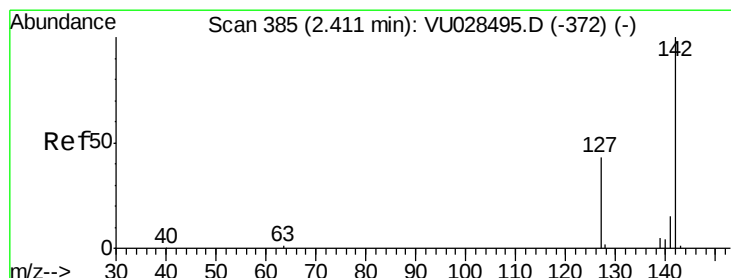
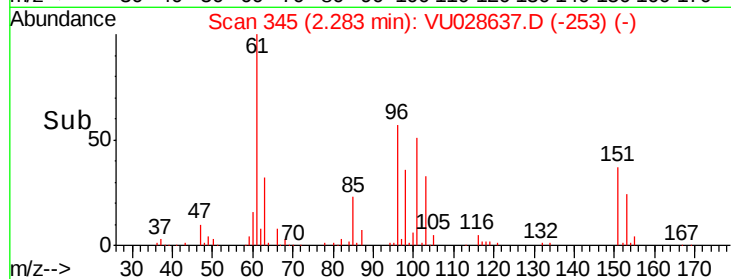
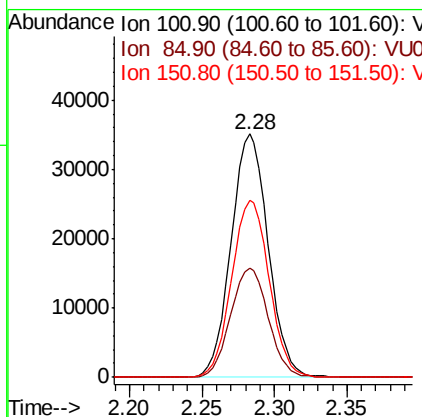
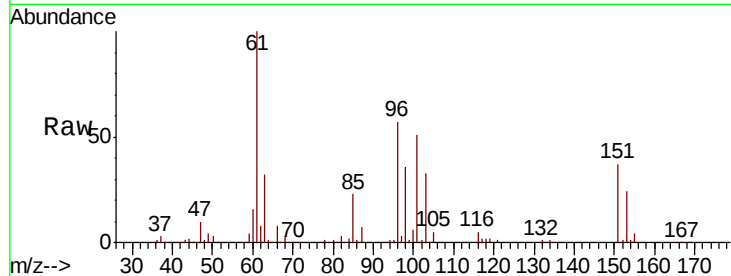
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	62430
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.4	54.6
151	73.5	58.2	87.2

Manual Integrations
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#10

Methyl Iodide

Concen: 62.006 ug/l

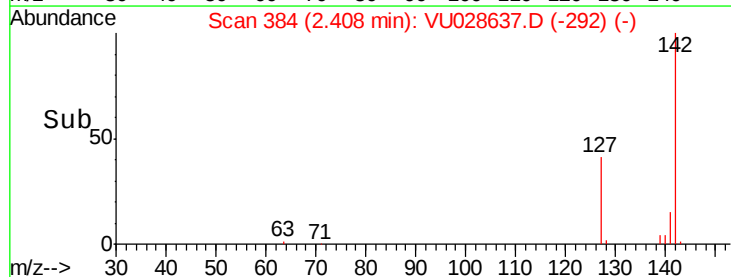
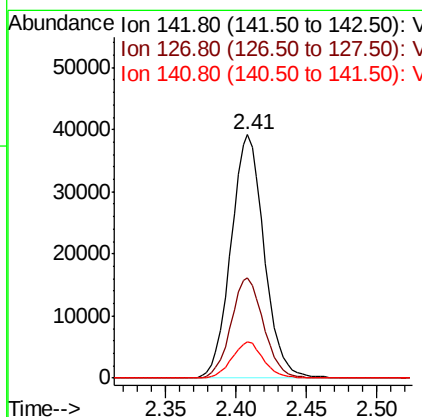
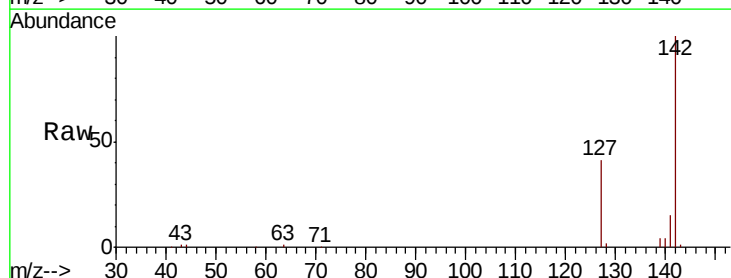
RT: 2.41 min Scan# 384

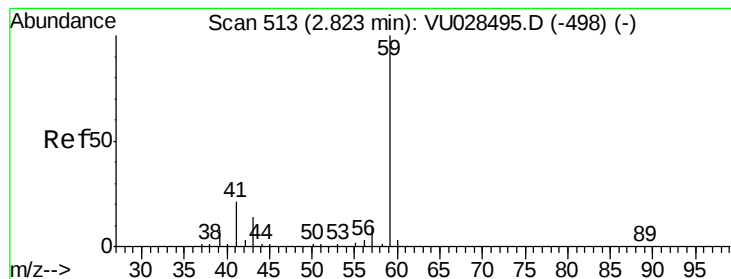
Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Tgt Ion:	142	Resp:	64310
Ion Ratio	Lower	Upper	
142	100		
127	40.4	33.5	50.3
141	14.1	11.2	16.8





#11

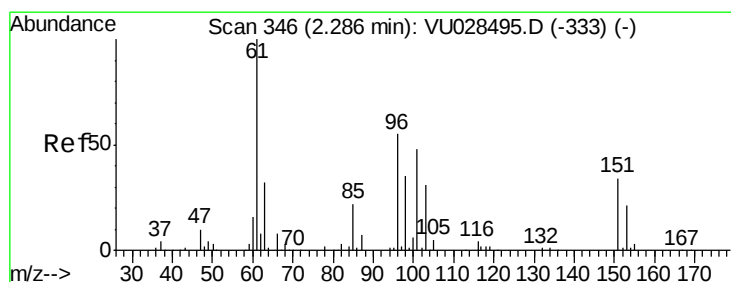
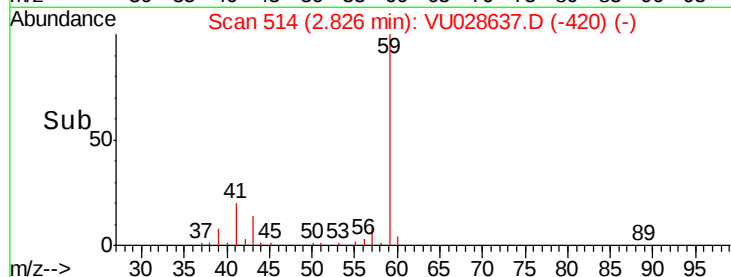
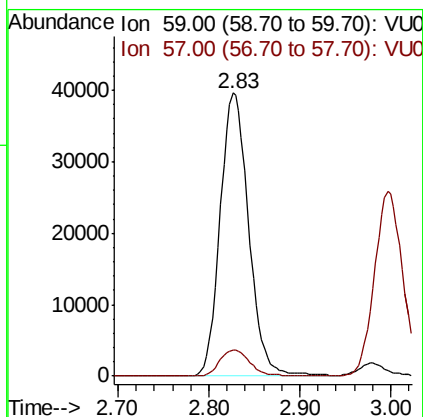
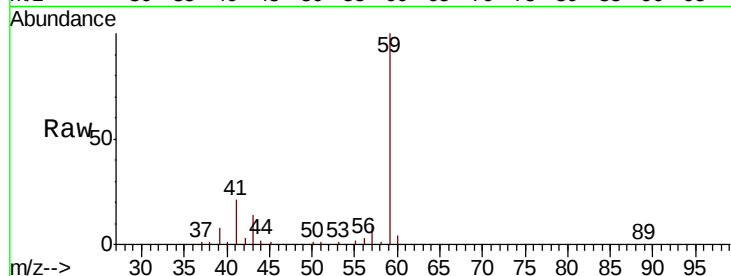
Tert butyl alcohol
 Concen: 215.286 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.0	12.0

Manual Integrations
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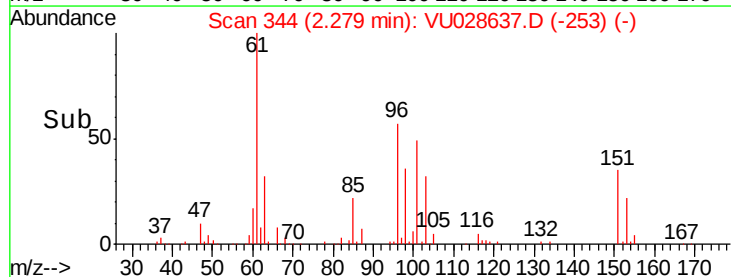
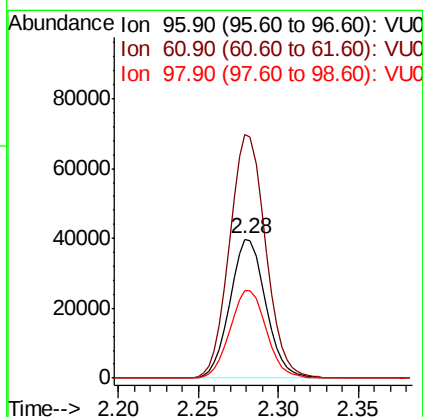
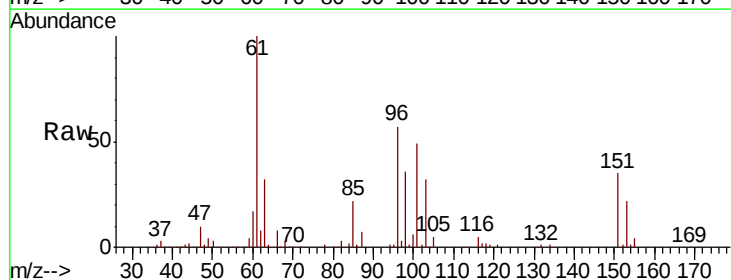
MMDadoda
 12/13/2018 9:29:28 AM

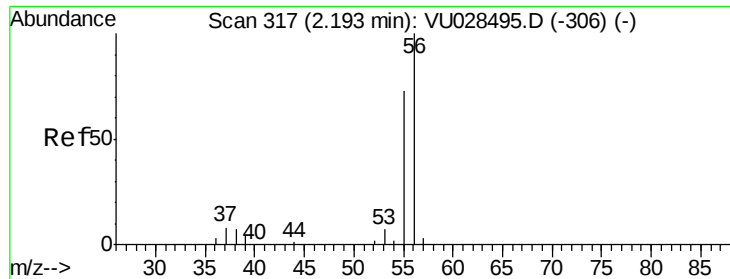


#12

1,1-Dichloroethene
 Concen: 46.059 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.0	146.4	219.6
98	62.8	51.8	77.8





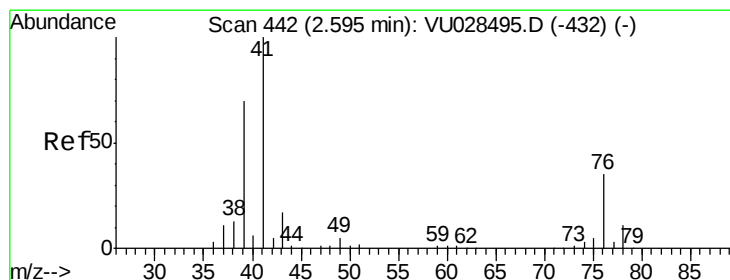
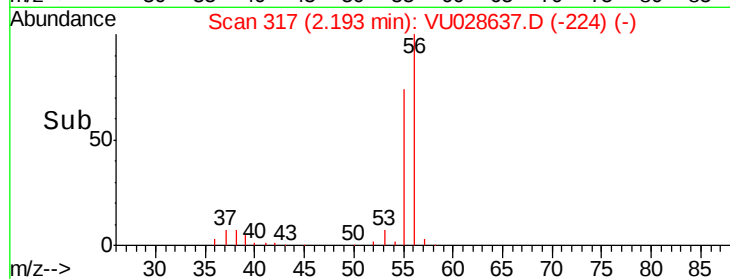
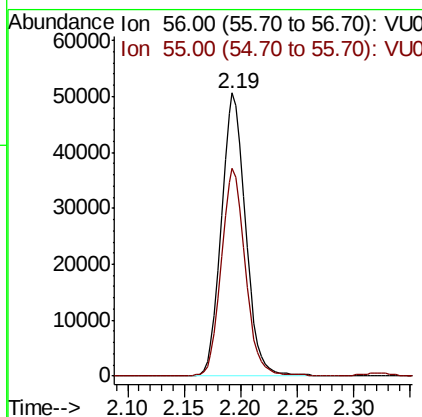
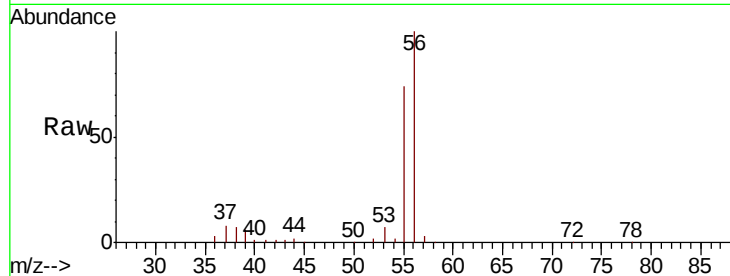
#13
Acrolein
Concen: 237.030 ug/l
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	Lower	Upper	Resp
75890	100	72.3		57.5	86.3	

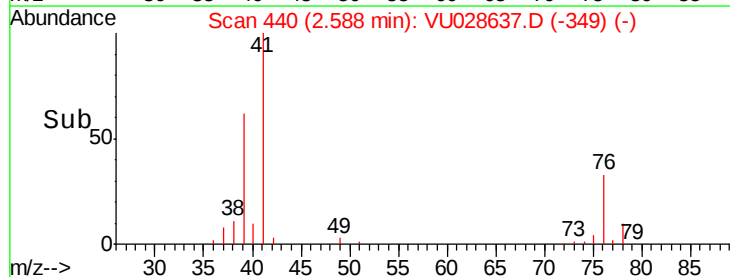
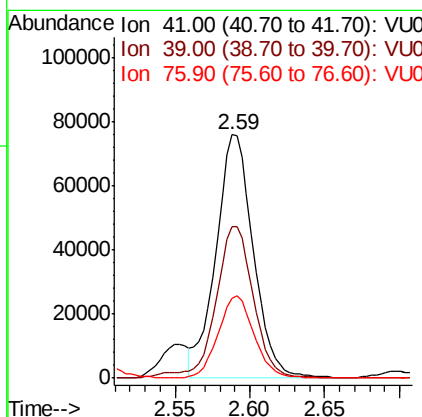
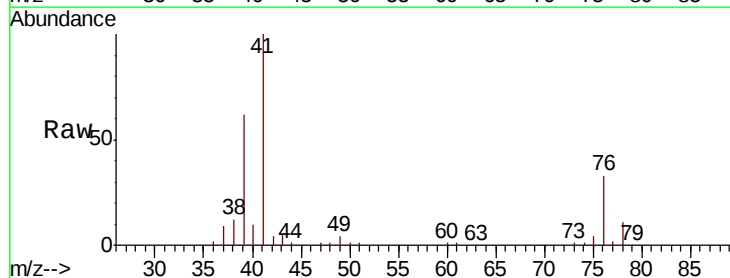
Manual Integrations
APPROVED

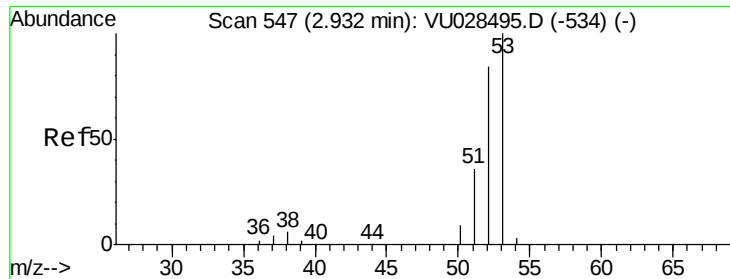
MMDadoda
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#14
Allyl chloride
Concen: 42.489 ug/l
RT: 2.59 min Scan# 440
Delta R.T. -0.01 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion	41	39	76	Ratio	Lower	Upper	Resp
132194	100	63.0	32.6		50.8	76.2	





#15

Acrylonitrile

Concen: 231.638 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

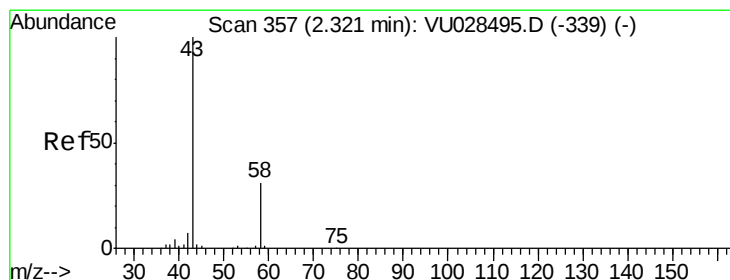
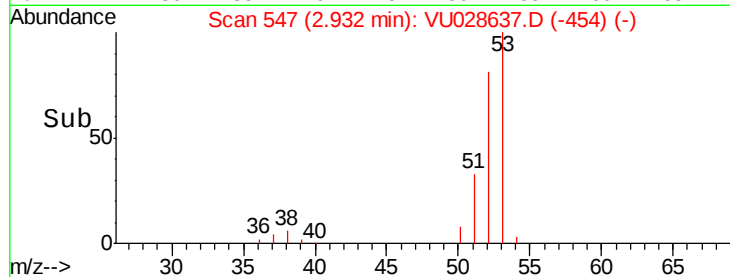
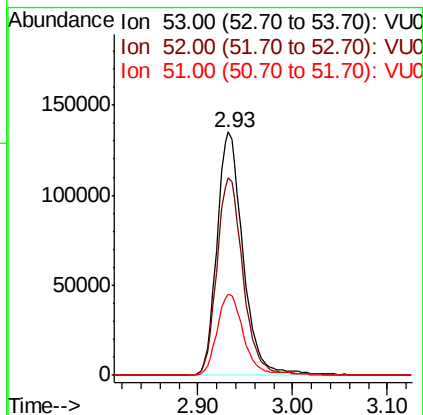
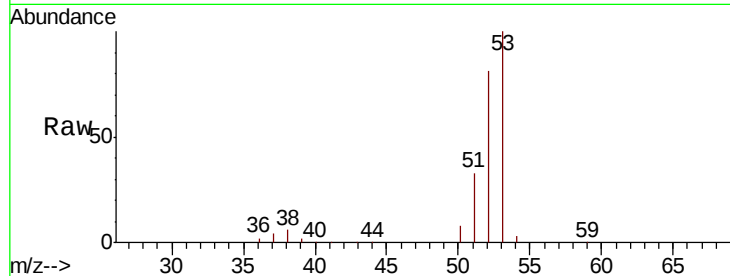
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	258284
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.1	99.1
51	34.5	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 248.784 ug/l

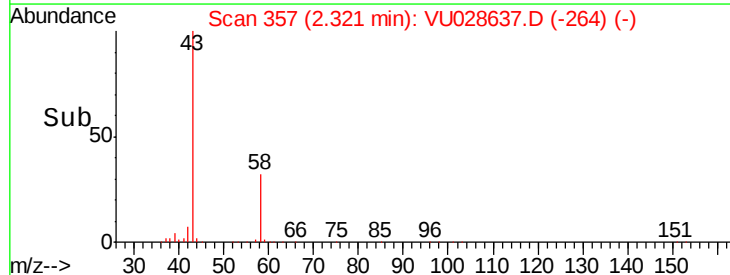
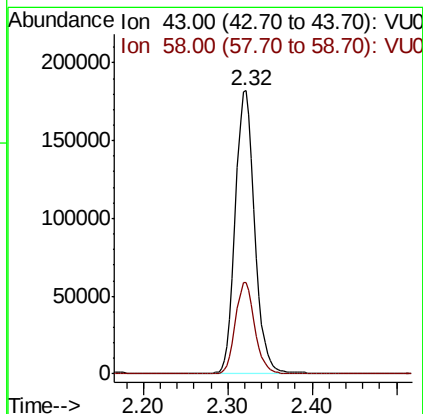
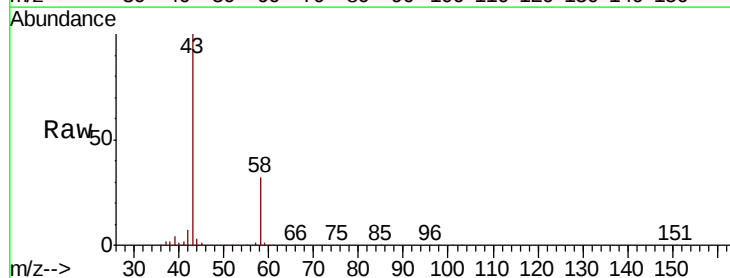
RT: 2.32 min Scan# 357

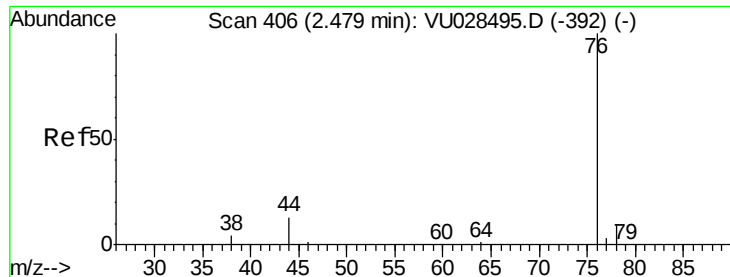
Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Tgt Ion:	43	Resp:	292647
Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.6	37.0





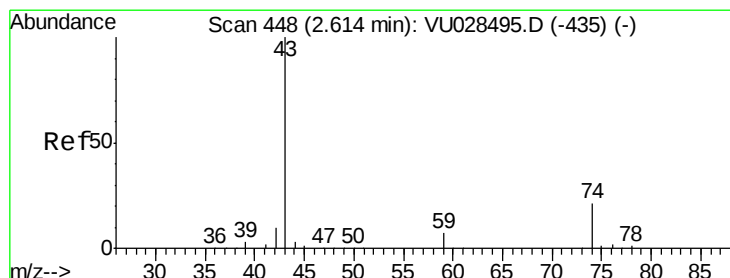
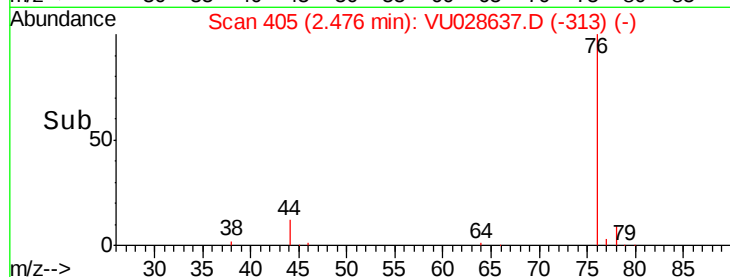
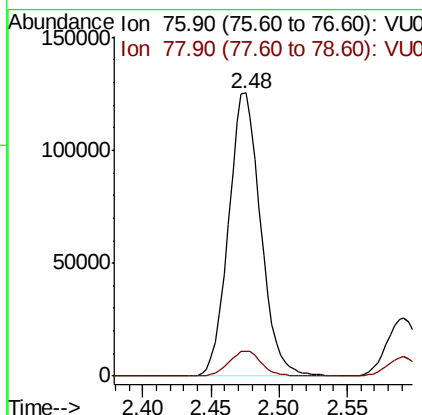
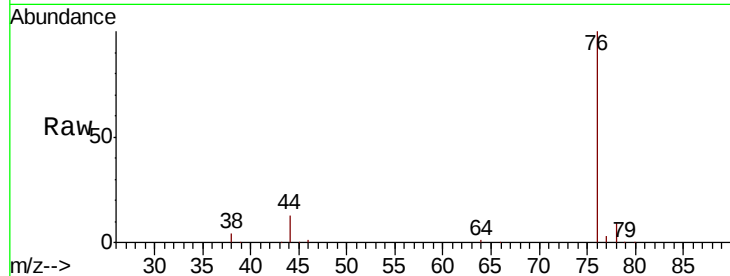
#17
Carbon Disulfide
Concen: 43.254 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

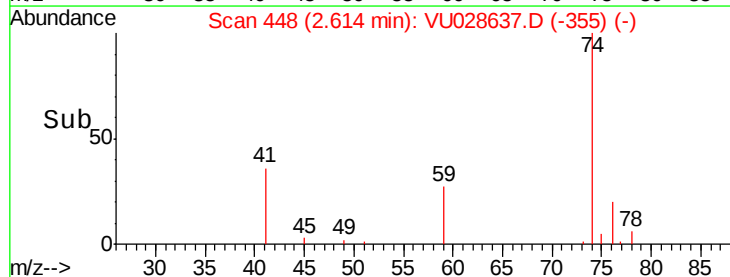
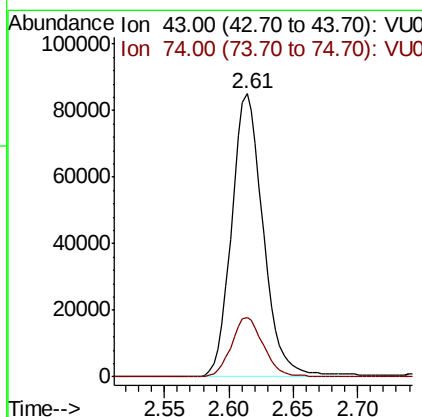
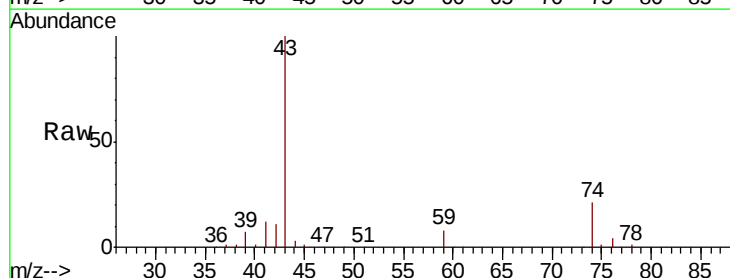
Manual Integrations
APPROVED

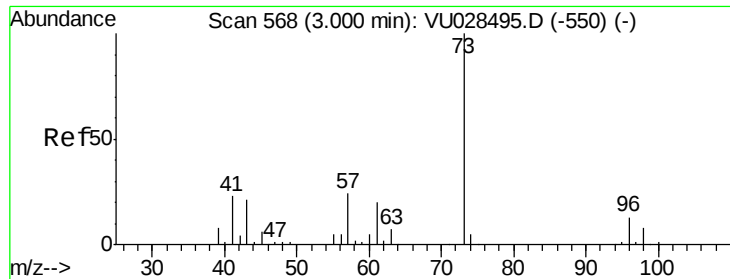
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#18
Methyl Acetate
Concen: 47.309 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.4	24.6





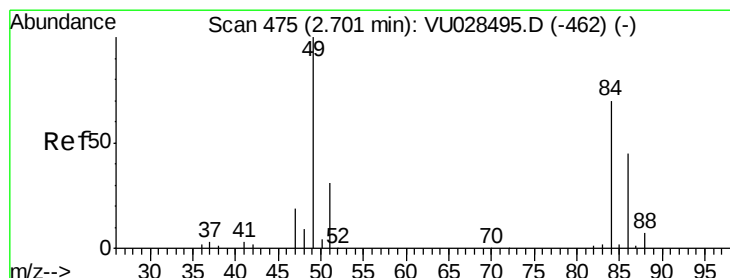
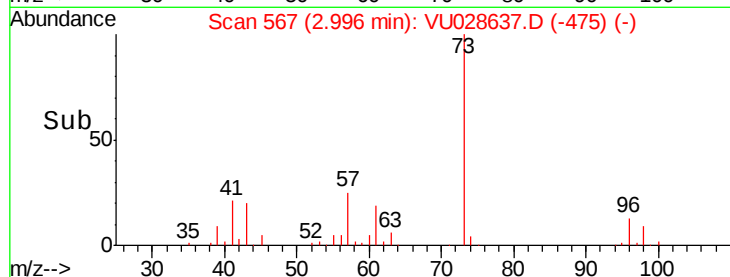
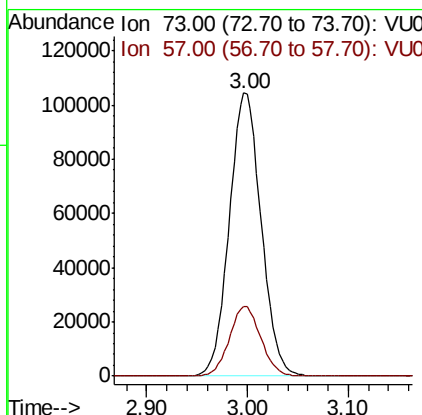
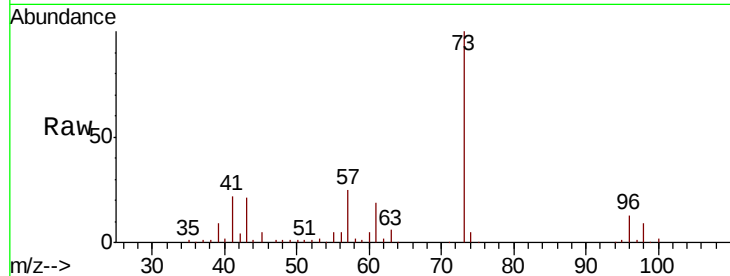
#19
Methyl tert-butyl Ether
Concen: 45.963 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 229157
Ion Ratio Lower Upper
73 100
57 24.8 19.4 29.2

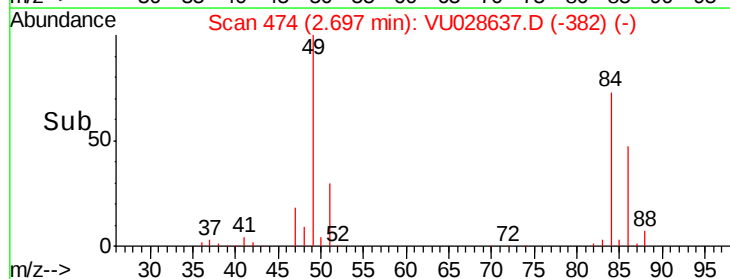
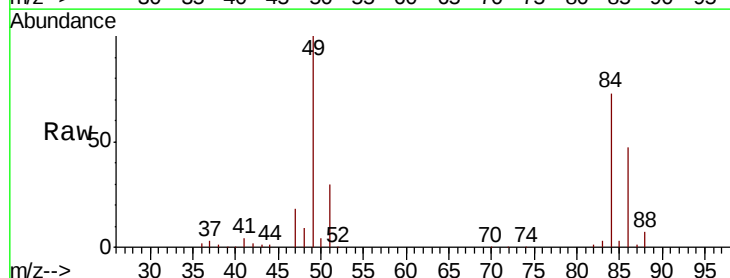
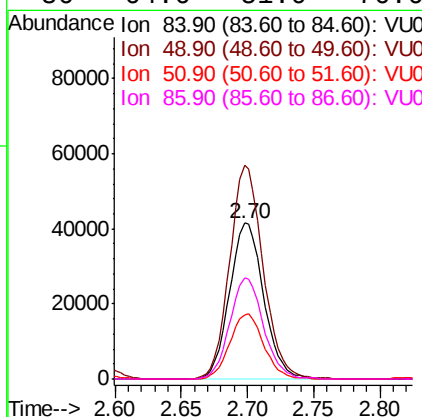
Manual Integrations
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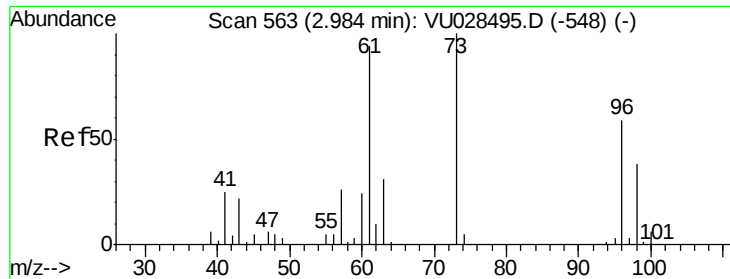
MMDadoda
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#20
Methylene Chloride
Concen: 42.786 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion: 84 Resp: 74194
Ion Ratio Lower Upper
84 100
49 137.2 114.0 171.0
51 41.5 35.1 52.7
86 64.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 45.426 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 67266

Ion Ratio Lower Upper

96 100

61 147.7 127.0 190.4

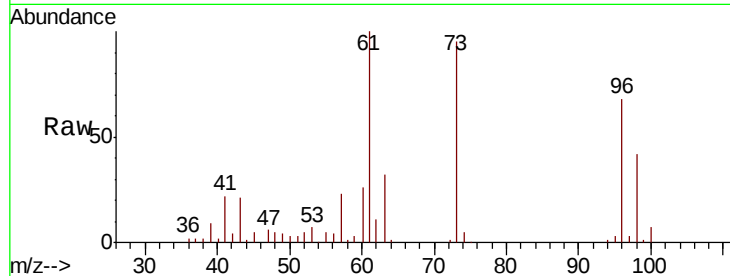
98 62.1 51.9 77.9

Manual Integrations

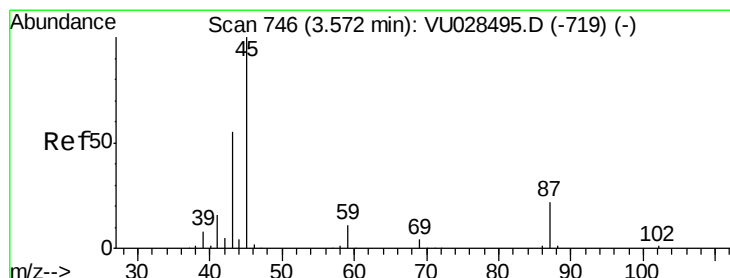
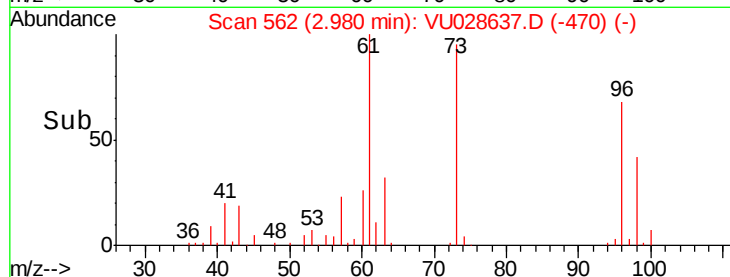
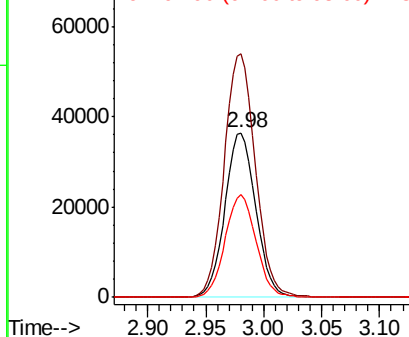
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Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 44.730 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Tgt Ion: 45 Resp: 270634

Ion Ratio Lower Upper

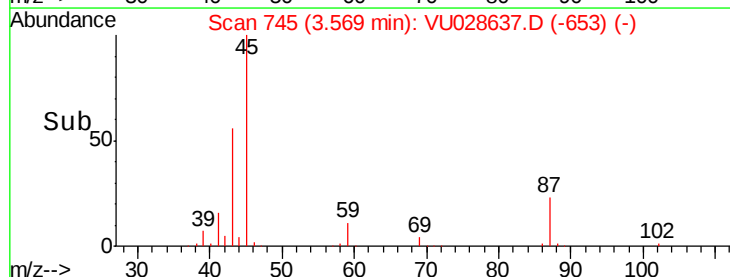
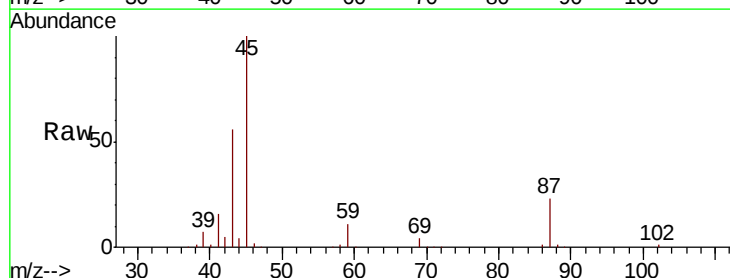
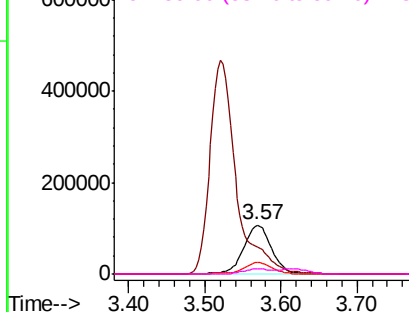
45 100

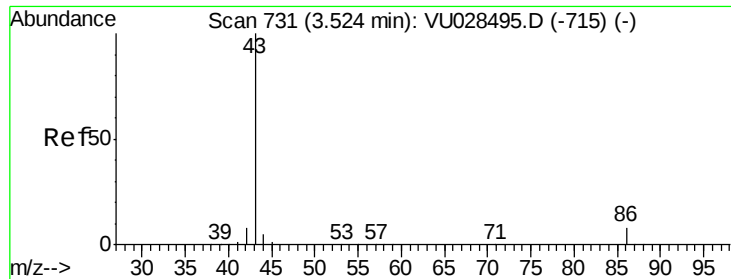
43 55.2 45.3 67.9

87 23.2 17.6 26.4

59 10.8 8.8 13.2

Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 225.211 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1123939

Ion Ratio Lower Upper

43 100

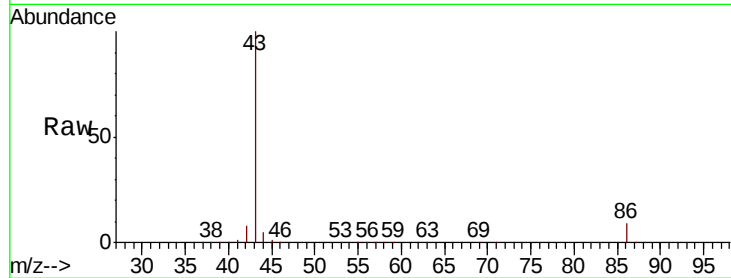
86 9.0 6.8 10.2

Manual Integrations

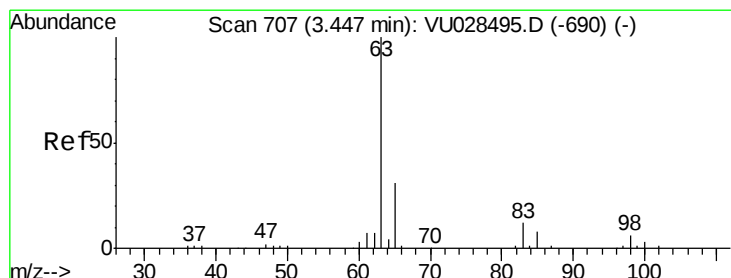
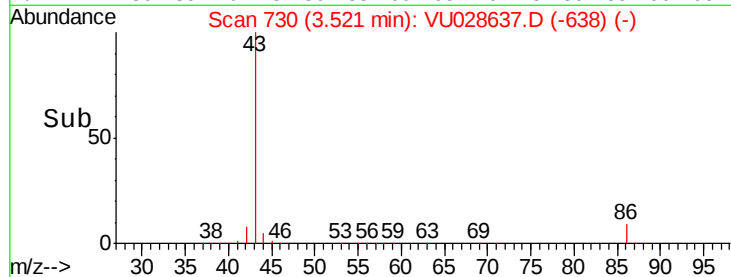
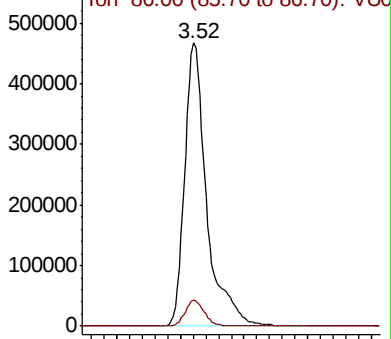
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Abundance Ion 43.00 (42.70 to 43.70): VU028637.D (-638) (-)



#24

1,1-Dichloroethane

Concen: 43.704 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

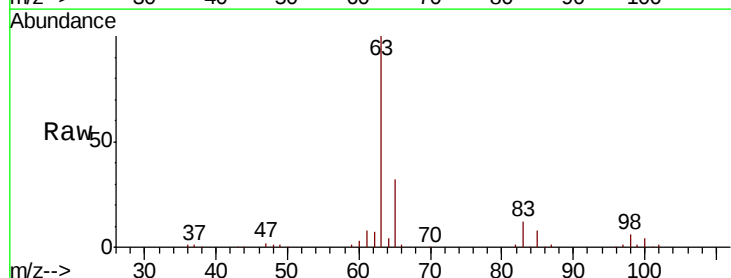
Tgt Ion: 63 Resp: 138414

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

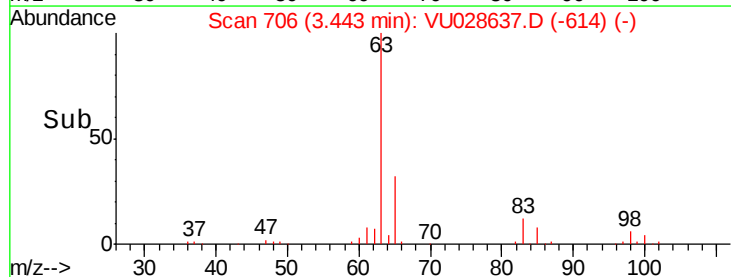
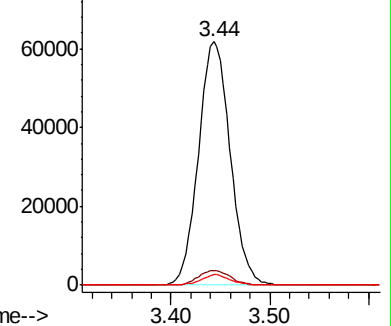
100 4.3 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028637.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028637.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028637.D (-614) (-)





#25

2-Butanone

Concen: 235.536 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 378635

Ion Ratio Lower Upper

43 100

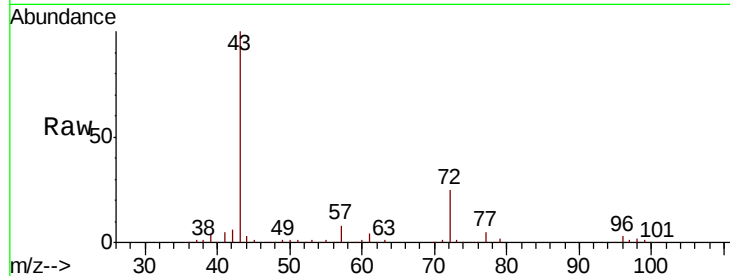
72 24.6 18.6 28.0

Manual Integrations

APPROVED

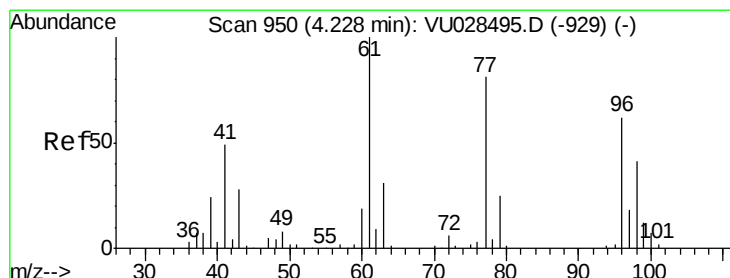
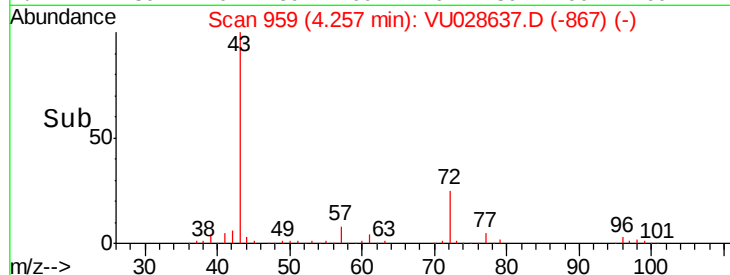
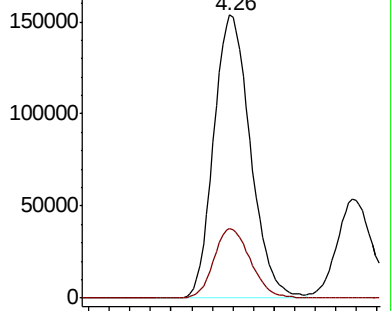
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 44.955 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028637.D

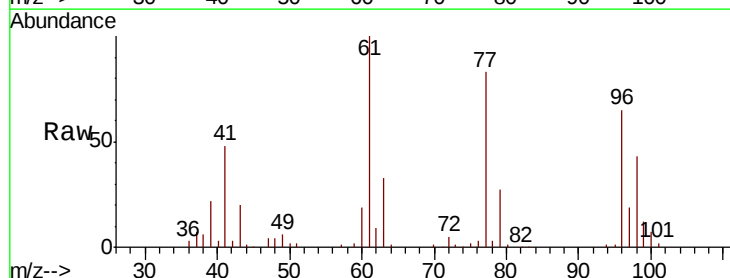
Acq: 12 Dec 2018 09:01

Tgt Ion: 77 Resp: 112815

Ion Ratio Lower Upper

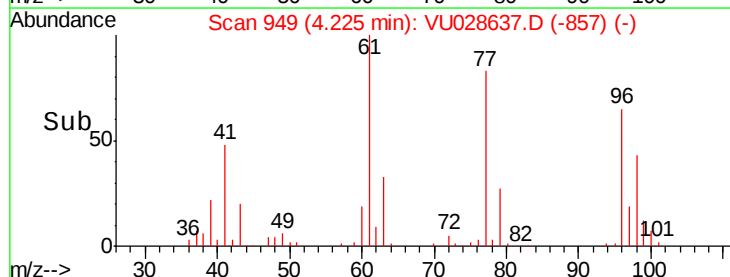
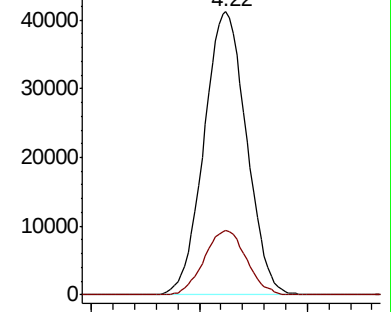
77 100

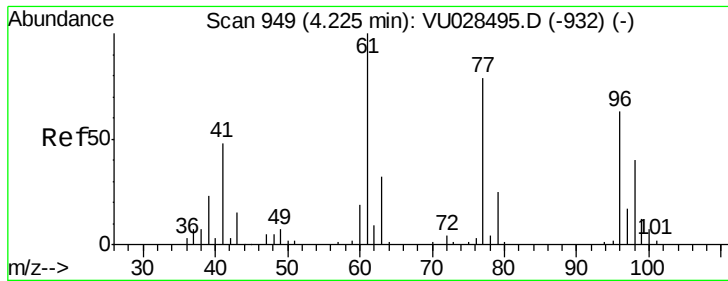
97 22.5 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

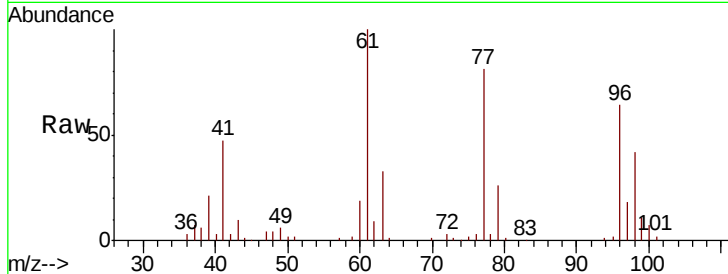
cis-1,2-Dichloroethene
Concen: 46.713 ug/l
RT: 4.22 min Scan# 948
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

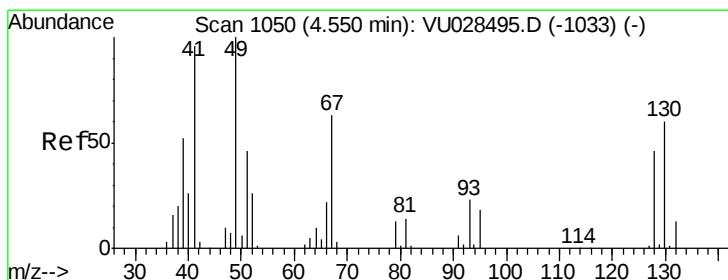
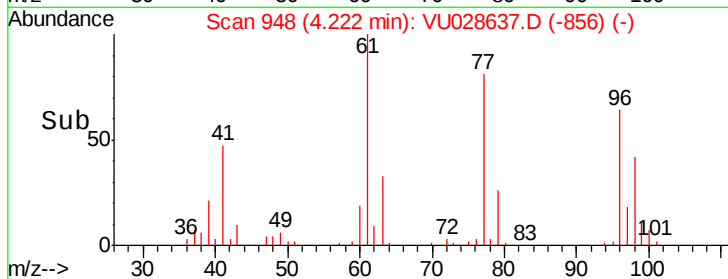
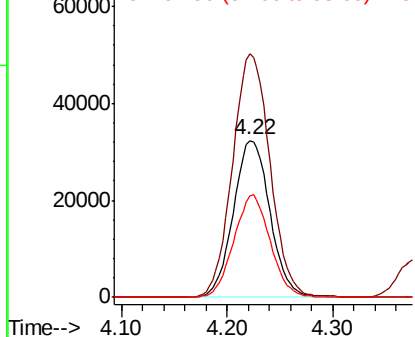
Tot Ion	Ratio	Lower	Upper
96	100		
61	158.6	0.0	332.4
98	64.6	0.0	129.0

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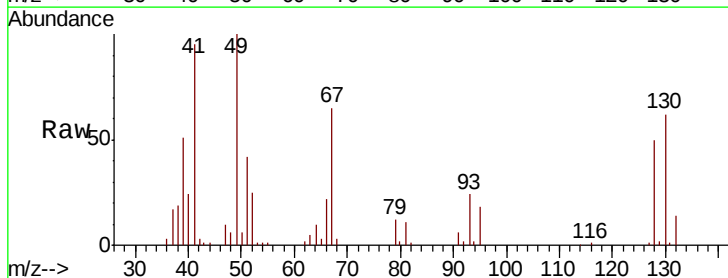
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



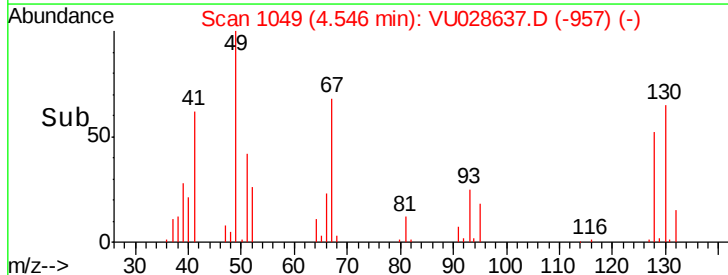
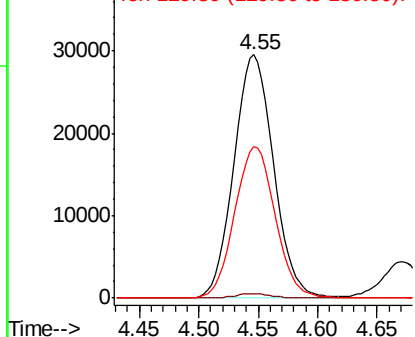
#28

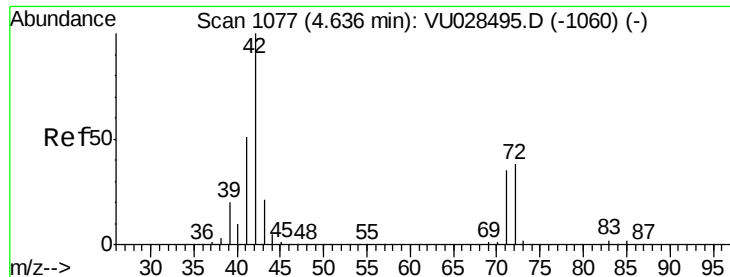
Bromochloromethane
Concen: 47.487 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	63.3	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





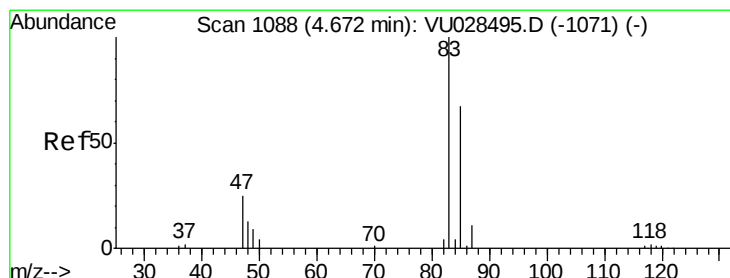
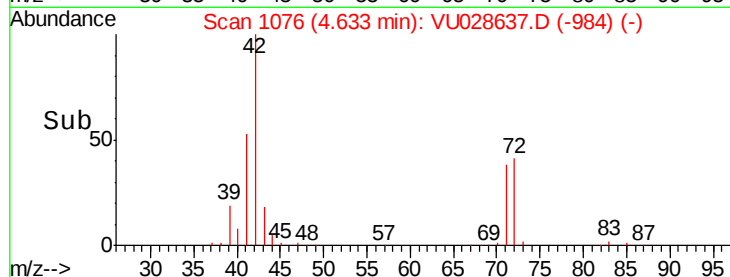
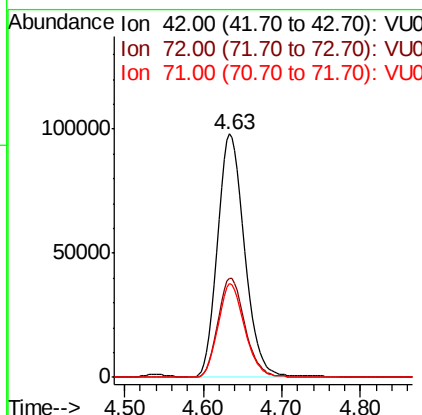
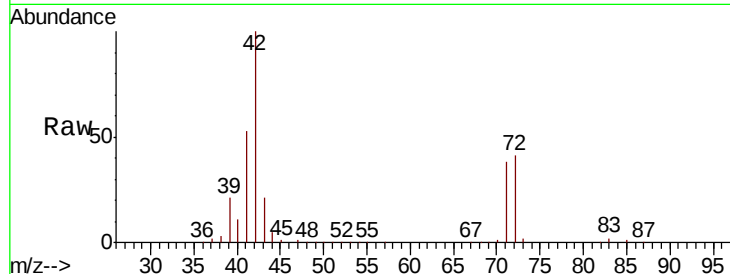
#29
Tetrahydrofuran
Concen: 223.785 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	31.4	47.0
71	38.0	28.6	43.0

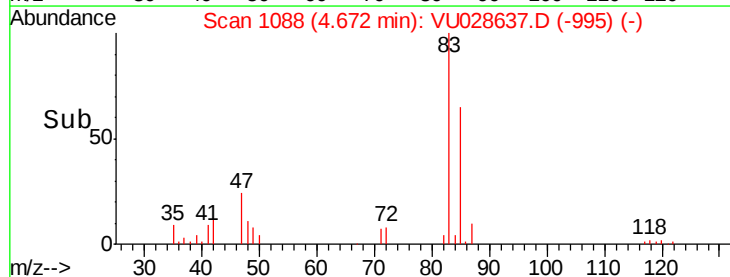
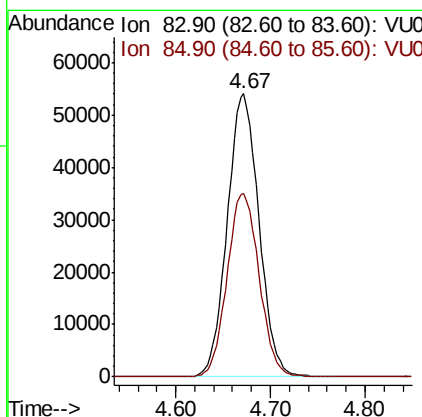
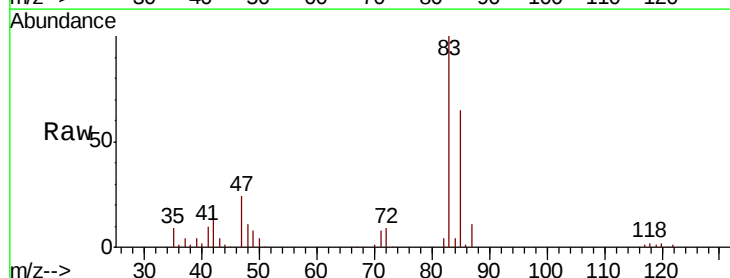
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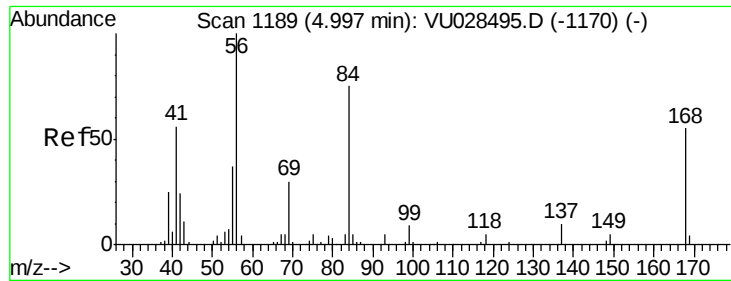
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#30
Chloroform
Concen: 45.634 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.6	80.4





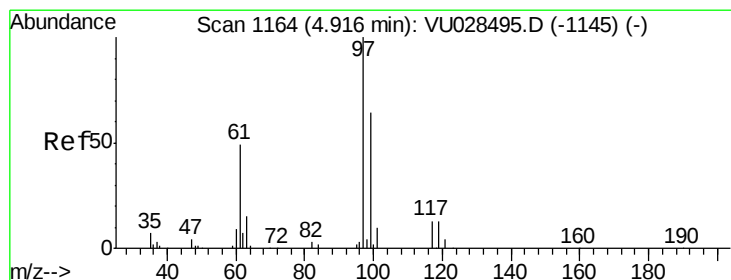
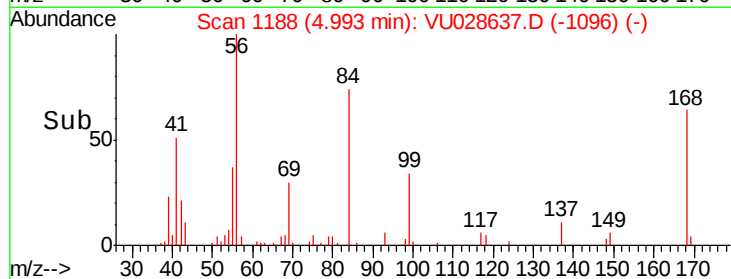
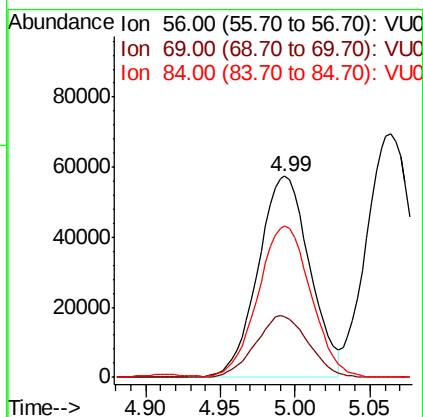
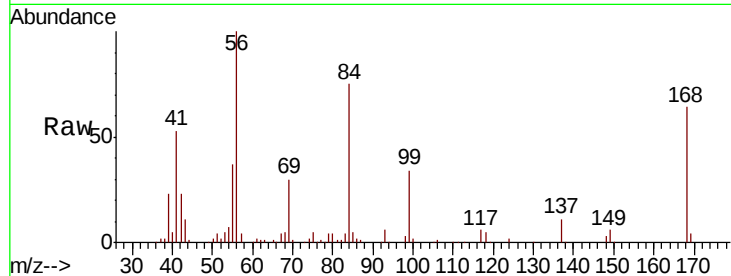
#31
Cyclohexane
Concen: 44.507 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.0	36.0
84	74.3	59.7	89.5

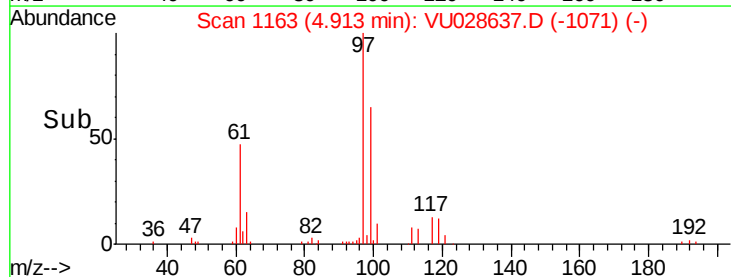
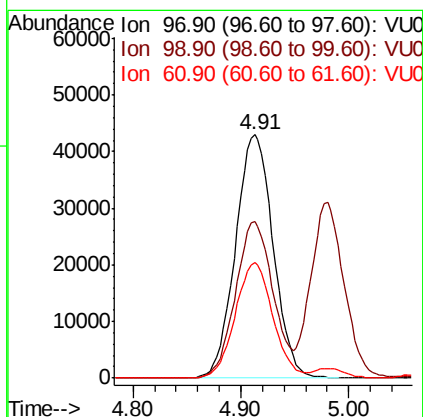
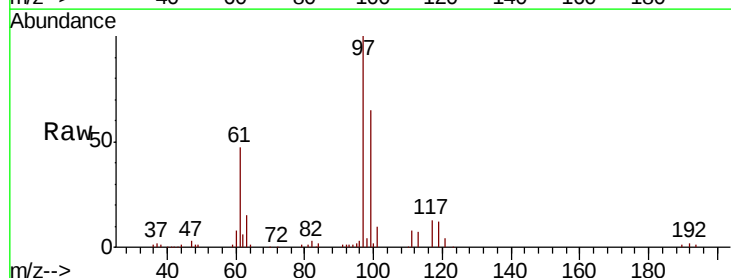
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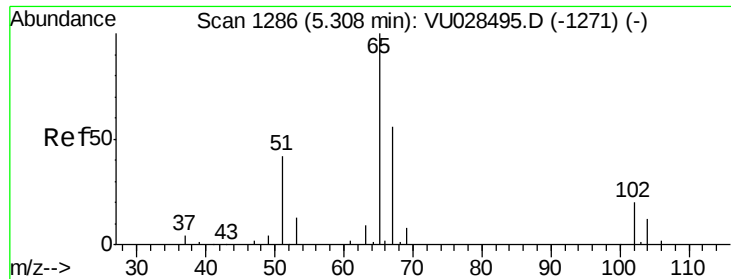
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#32
1,1,1-Trichloroethane
Concen: 45.484 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.3	78.5
61	47.6	39.0	58.6





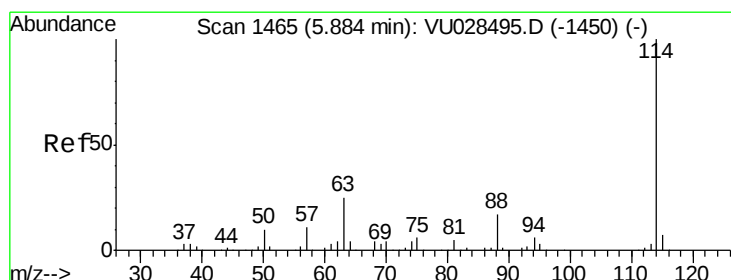
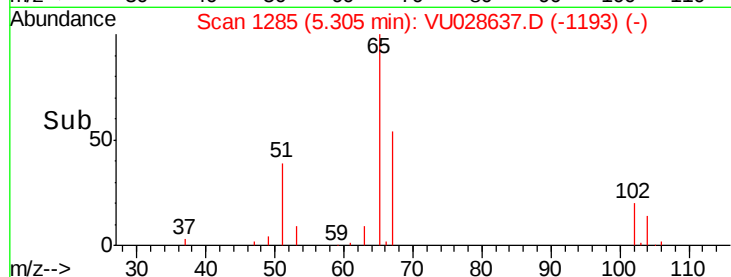
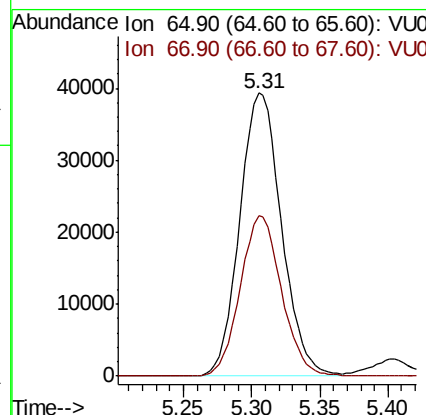
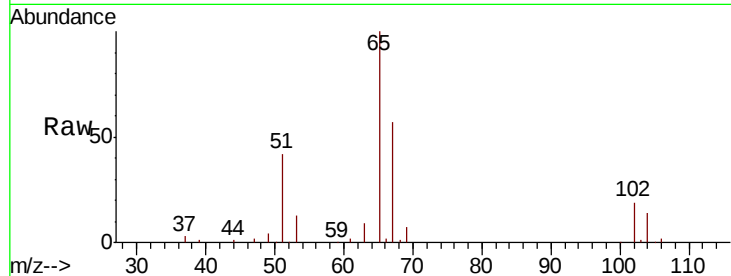
#33
 1,2-Dichloroethane-d4
 Concen: 46.428 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.9	0.0	110.6

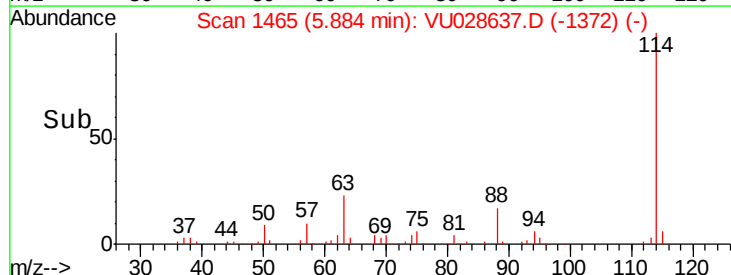
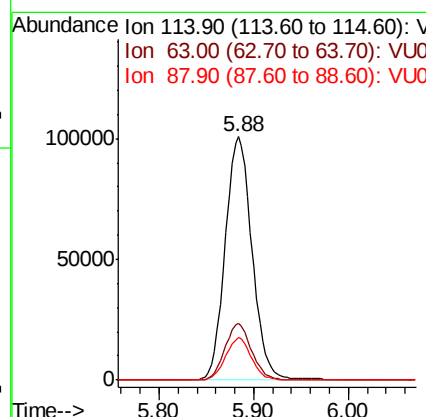
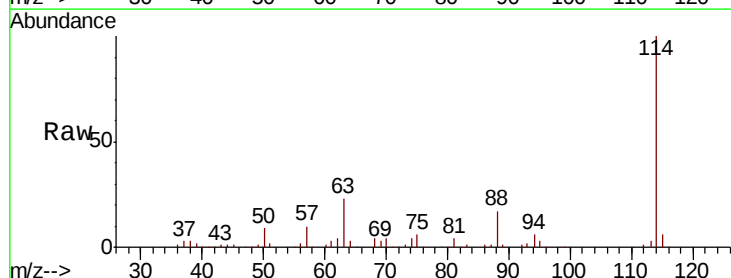
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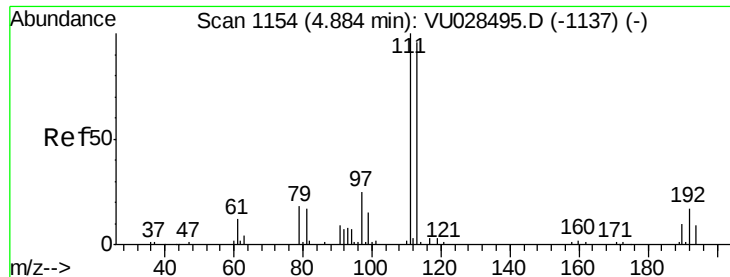
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	49.2
88	17.3	0.0	33.4





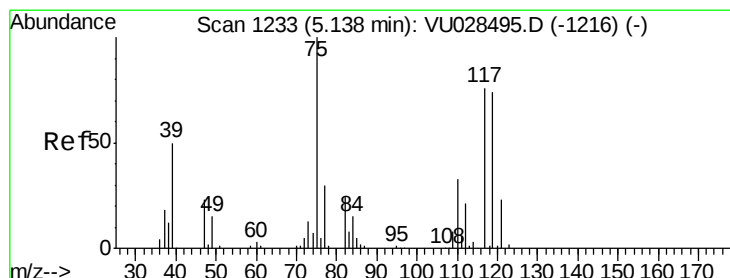
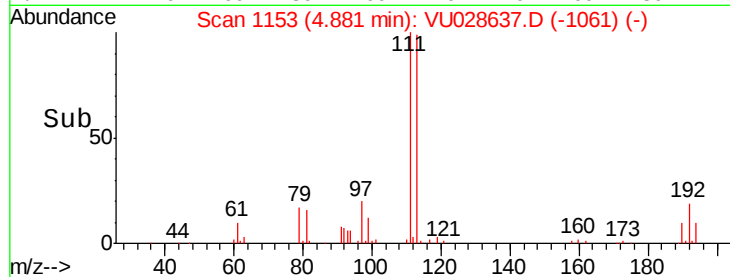
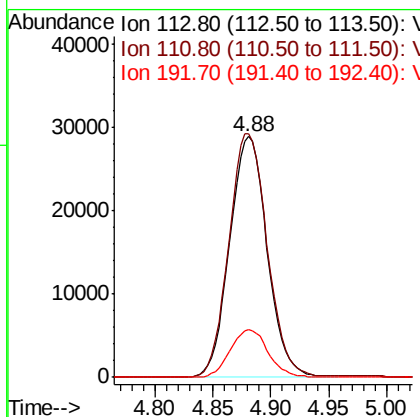
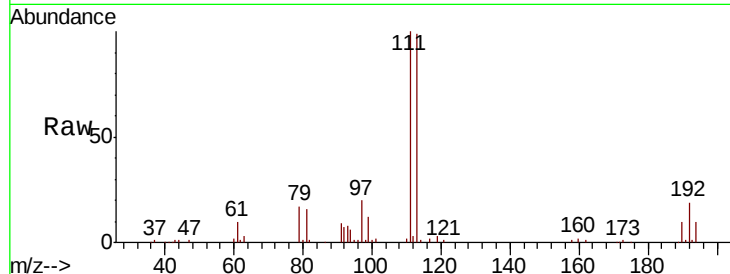
#35
 Dibromofluoromethane
 Concen: 51.756 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.4	125.0
192	19.9	14.8	22.2

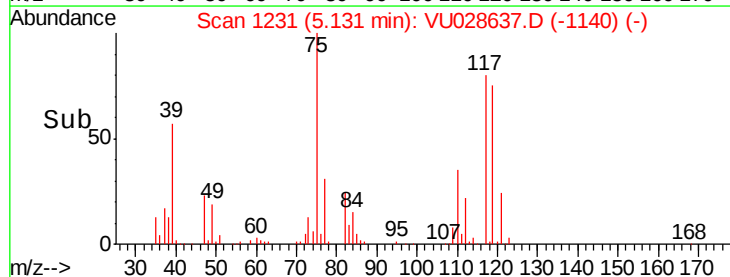
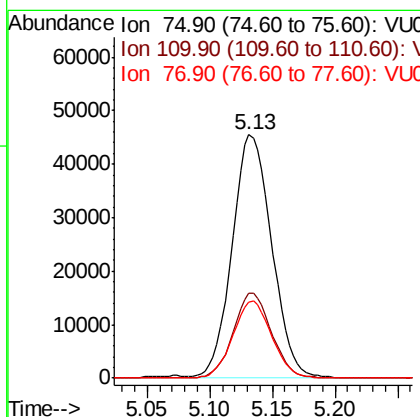
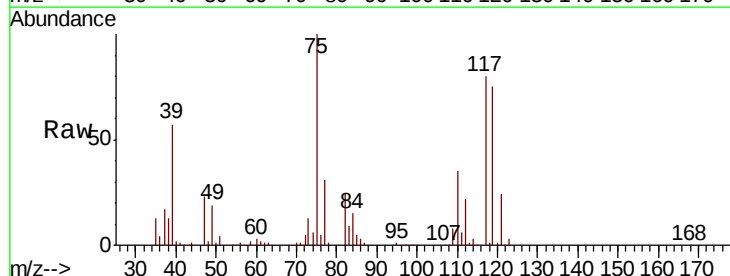
Manual Integrations
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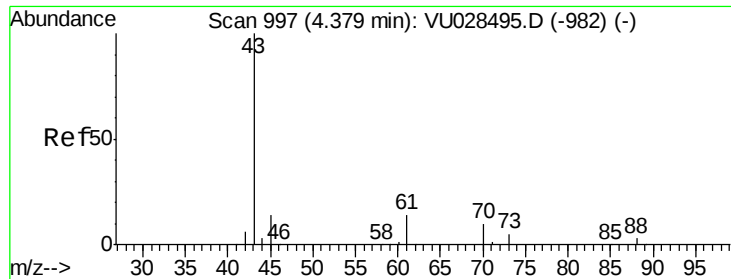
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#36
 1,1-Dichloropropene
 Concen: 45.264 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.1	48.2
77	31.4	24.5	36.7





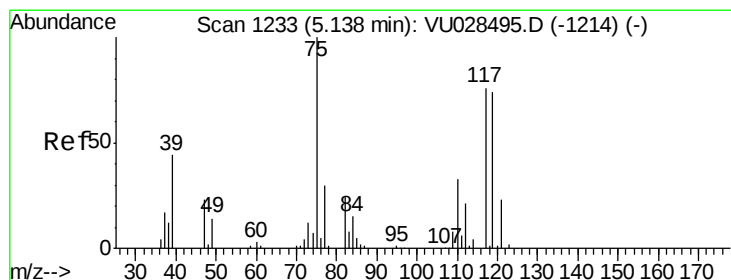
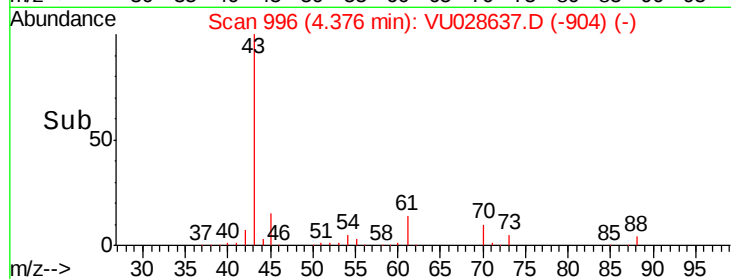
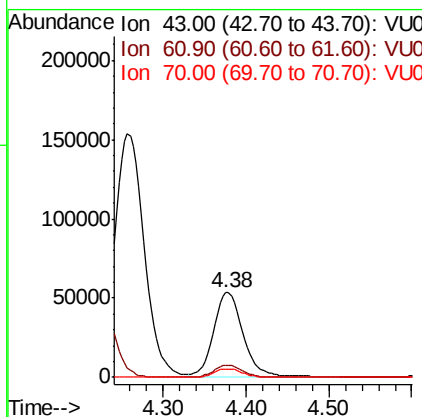
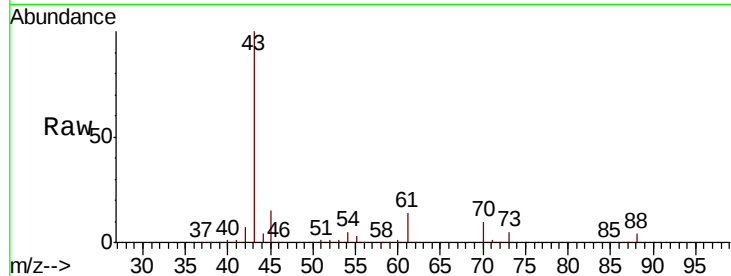
#37
Ethyl Acetate
Concen: 46.691 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.0	16.4
70	9.5	7.4	11.0

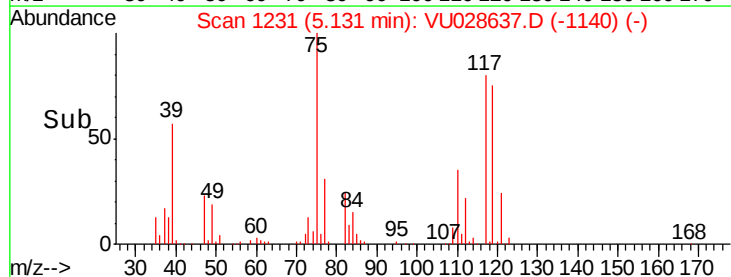
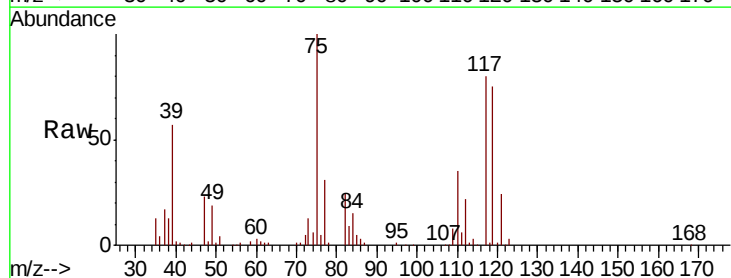
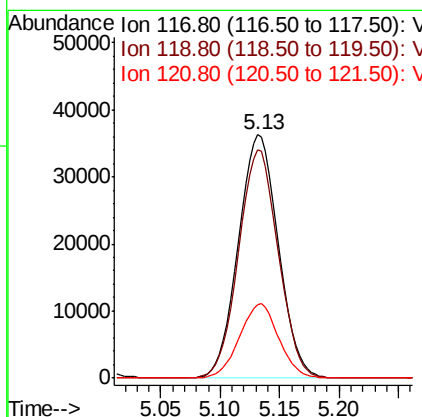
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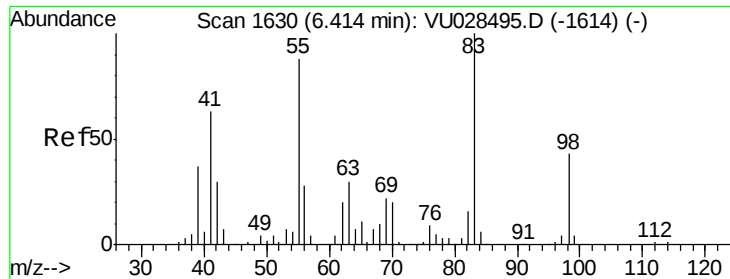
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#38
Carbon Tetrachloride
Concen: 48.021 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.6	116.4
121	30.3	24.6	36.8





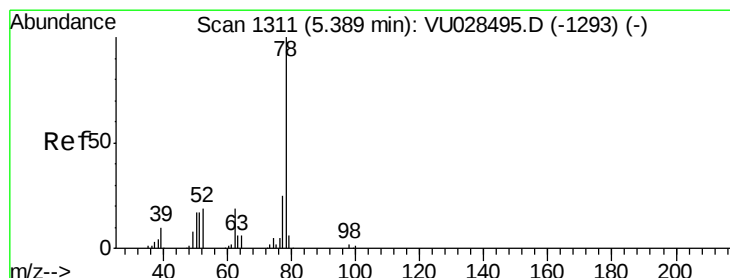
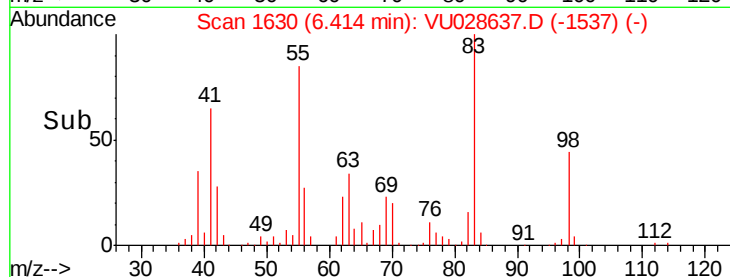
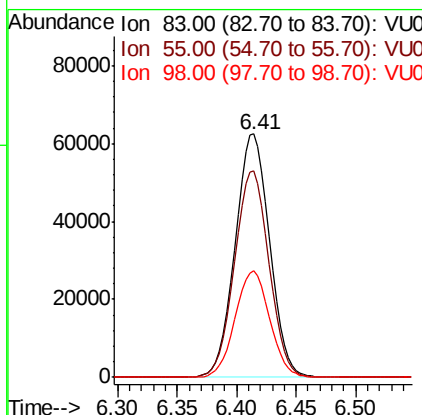
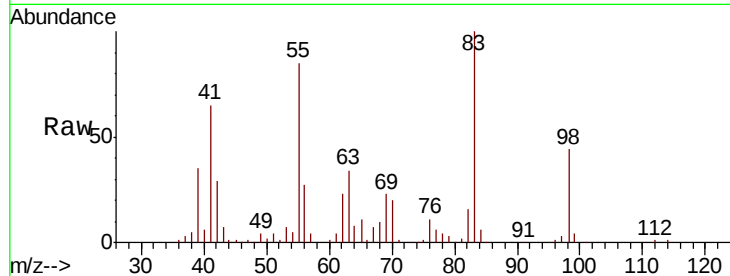
#39
Methvlcvclohexane
Concen: 47.144 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.7	70.2	105.2
98	43.8	34.2	51.4

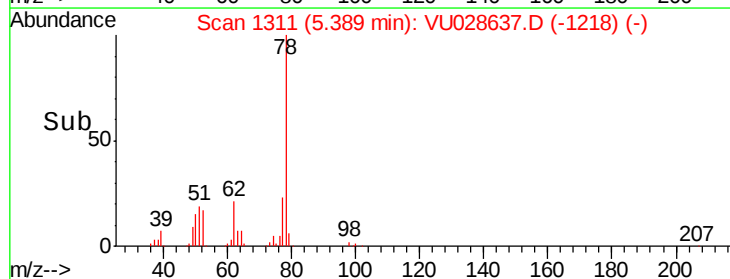
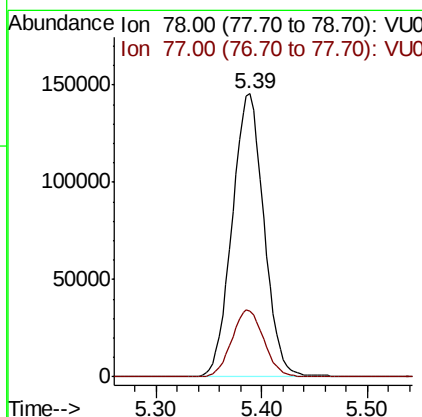
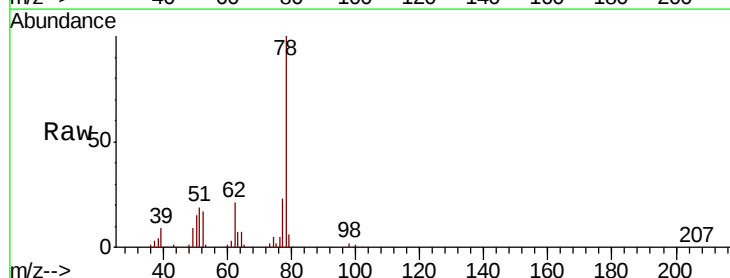
Manual Integrations
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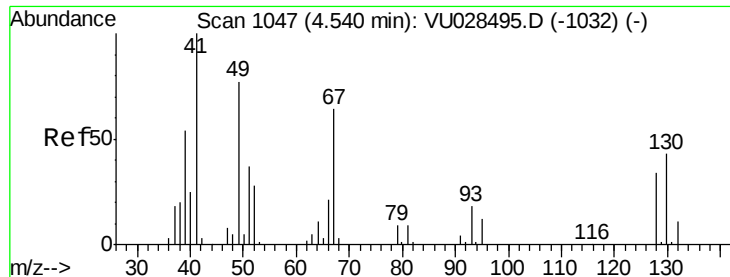
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12/13/2018 9:29:28 AM



#40
Benzene
Concen: 47.481 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.9	29.9





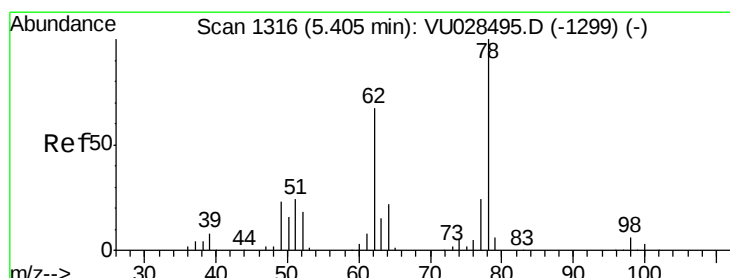
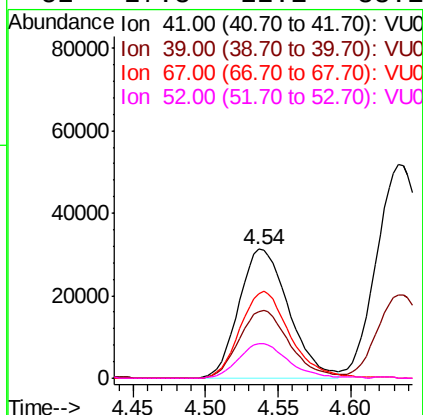
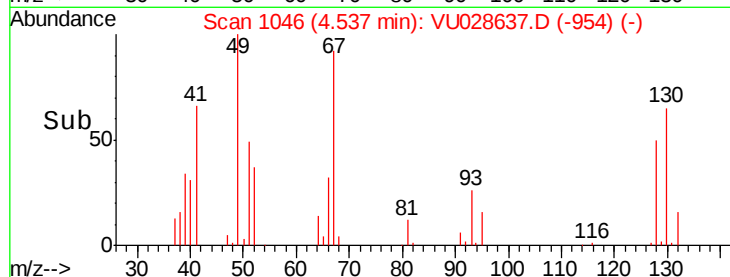
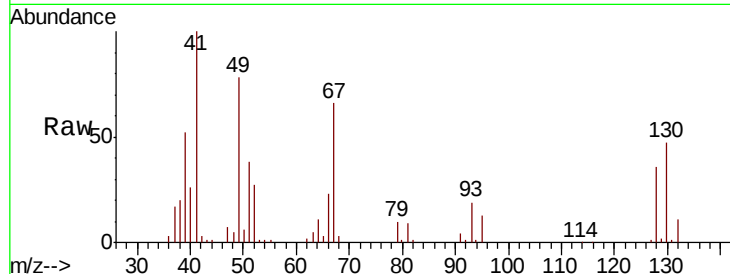
#41
Methacrylonitrile
Concen: 48.623 ug/l
RT: 4.54 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	43.3	64.9	
67	67.4	53.6	80.4	
52	27.3	22.1	33.1	

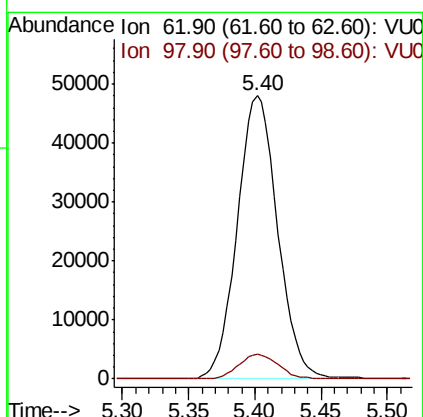
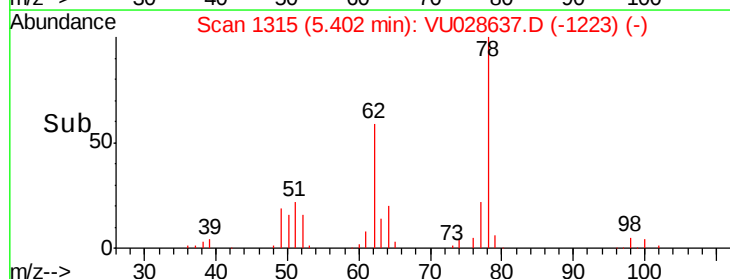
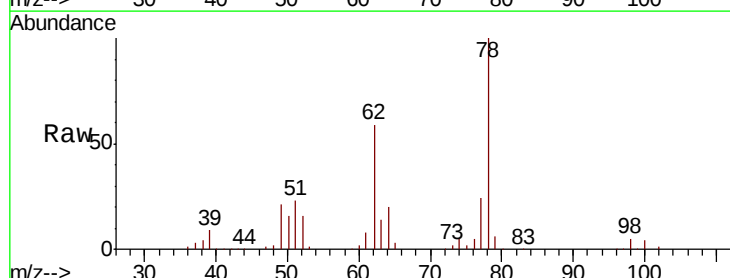
Manual Integrations
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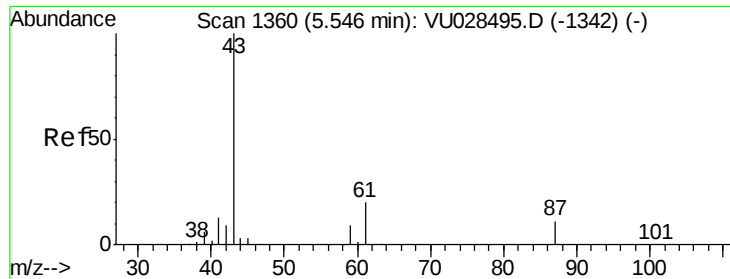
MMDadoda
12/13/2018 9:29:28 AM



#42
1,2-Dichloroethane
Concen: 45.170 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	17.2	





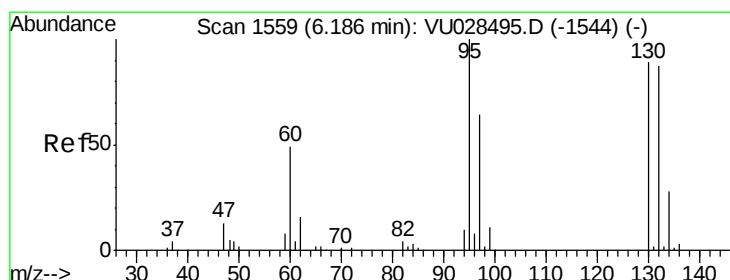
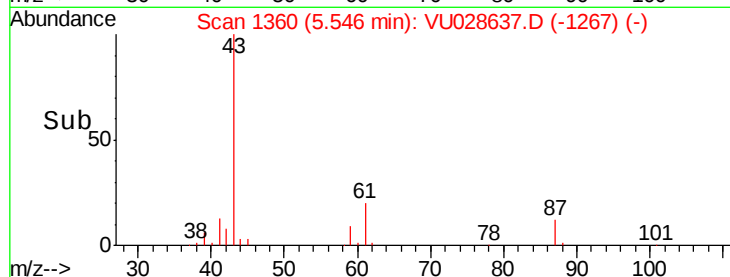
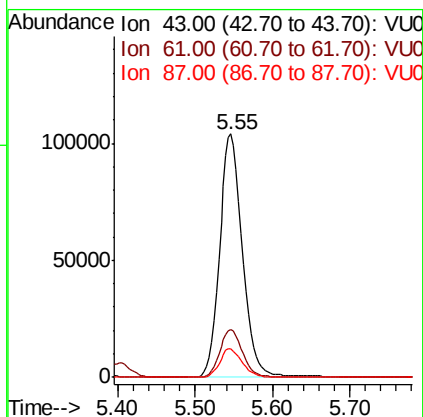
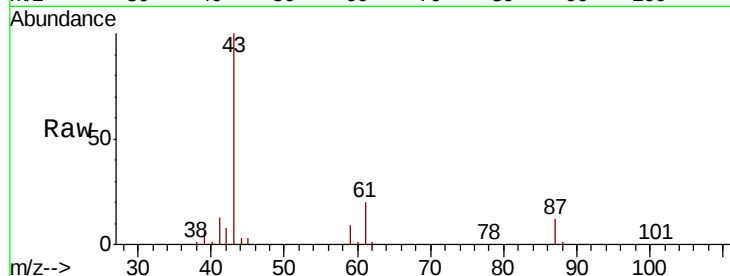
#43
Isopropyl Acetate
Concen: 47.691 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	212536
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.5	23.3
87	11.6	8.7	13.1

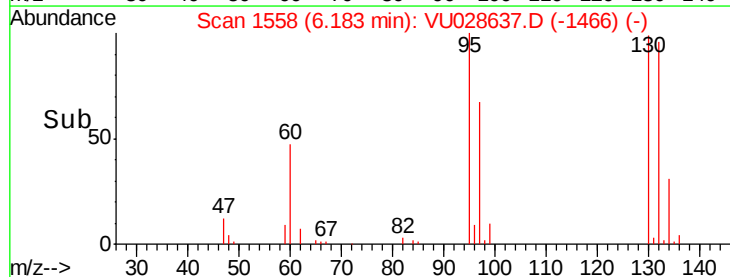
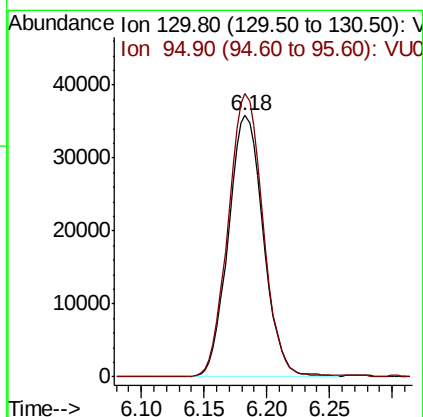
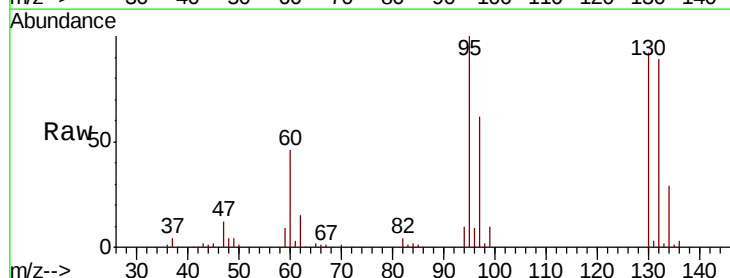
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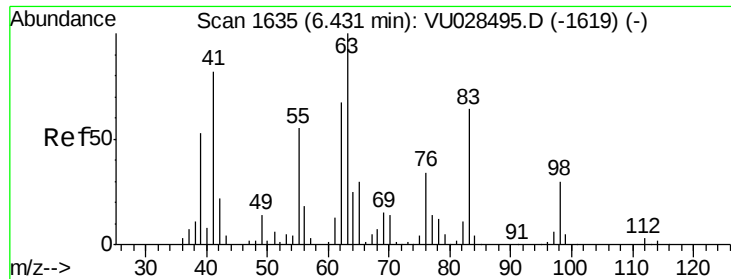
MMDadoda
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#44
Trichloroethene
Concen: 48.784 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion:	130	Resp:	69631
Ion	Ratio	Lower	Upper
130	100		
95	108.4	0.0	224.0





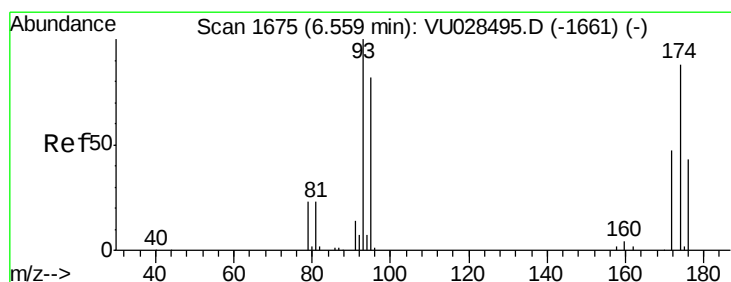
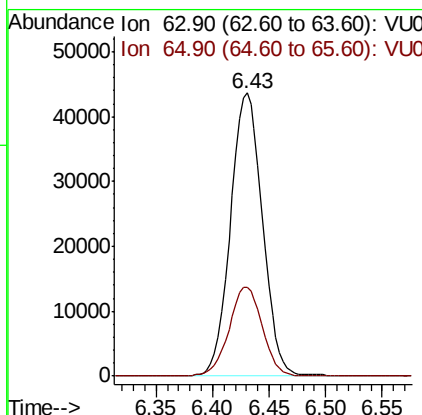
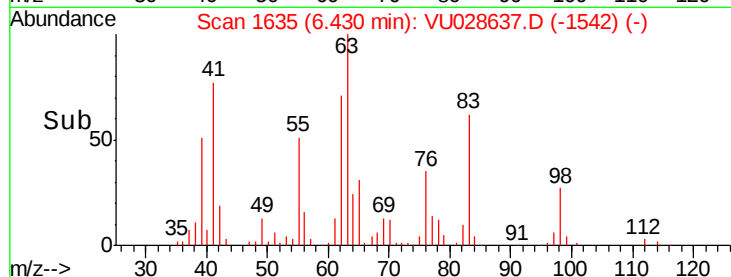
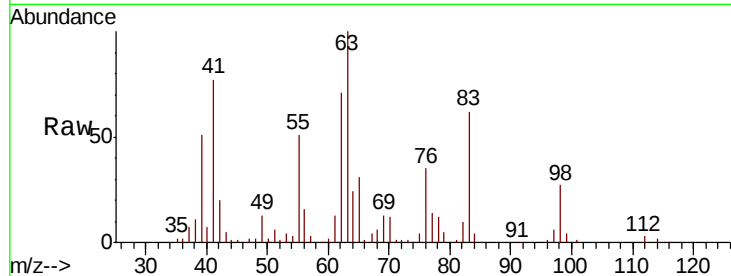
#45
 1,2-Dichloropropane
 Concen: 47.636 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 85992
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.2 36.4

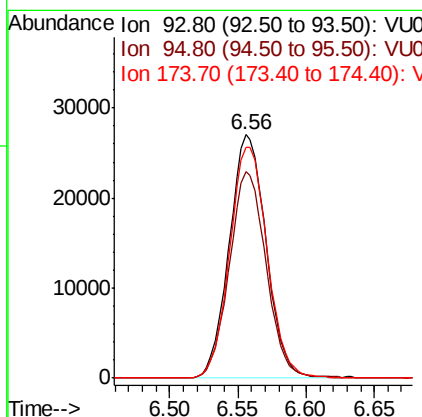
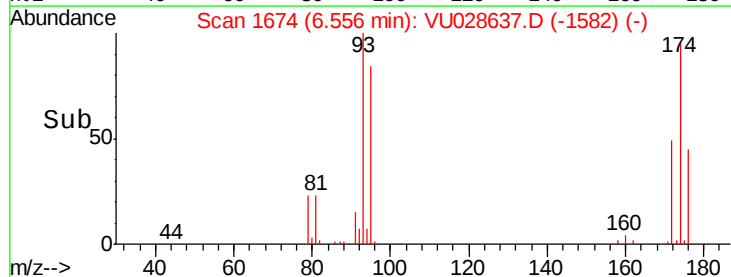
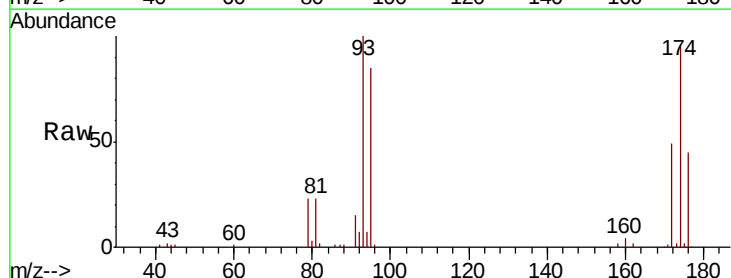
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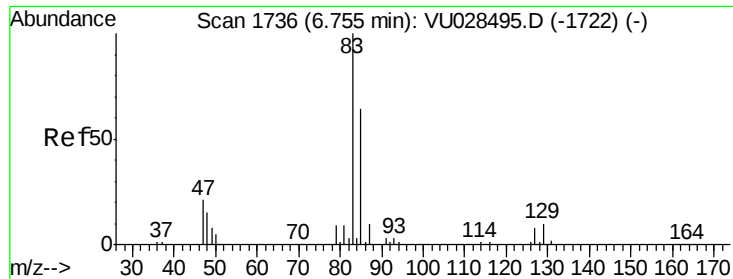
MMDadoda
 12/13/2018 9:29:28 AM



#46
 Dibromomethane
 Concen: 47.393 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion: 93 Resp: 50761
 Ion Ratio Lower Upper
 93 100
 95 84.6 65.4 98.2
 174 96.6 72.2 108.4





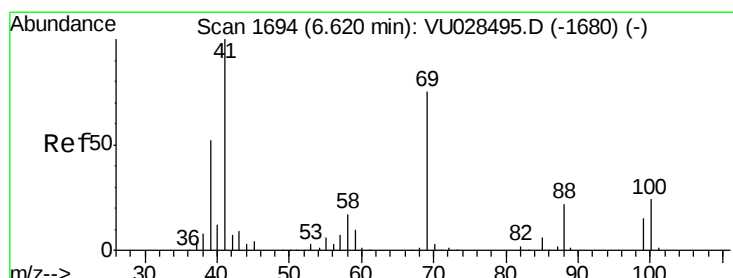
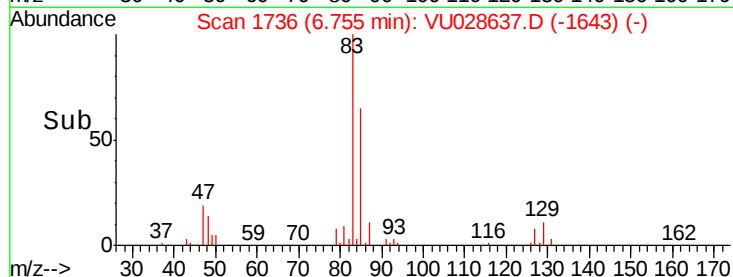
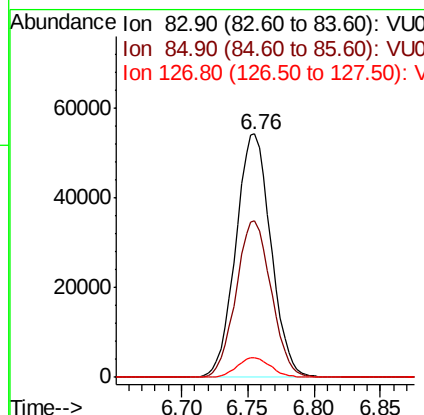
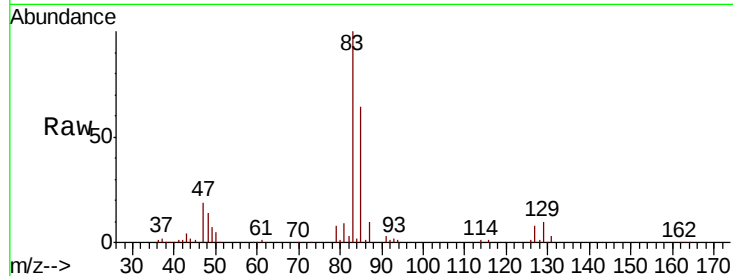
#47
Bromodichloromethane
Concen: 47.901 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.5	77.3
127	8.3	6.2	9.4

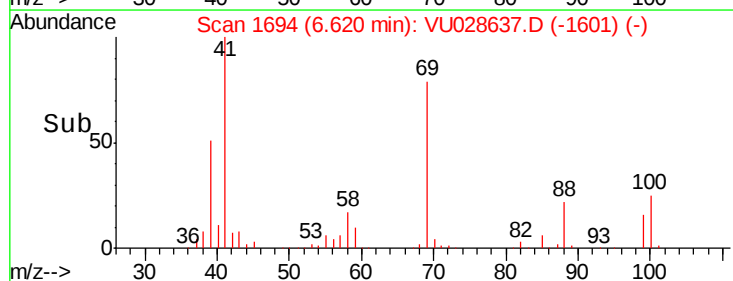
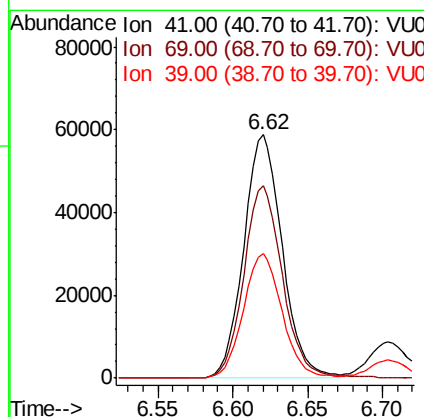
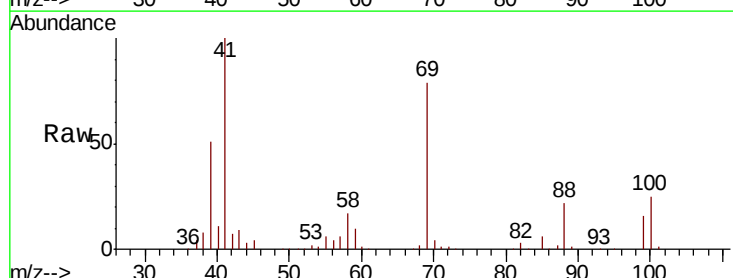
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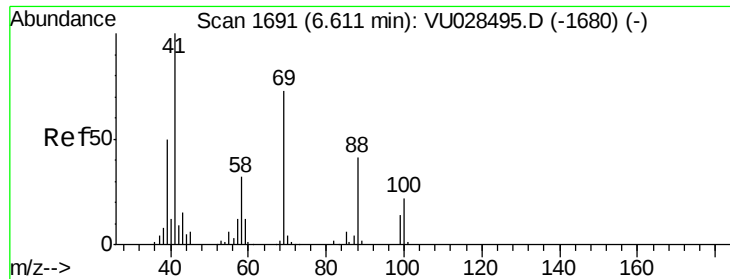
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#48
Methyl methacrylate
Concen: 47.580 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.4	60.4	90.6
39	51.5	41.1	61.7





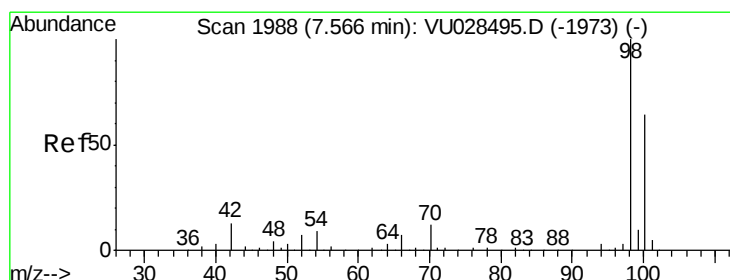
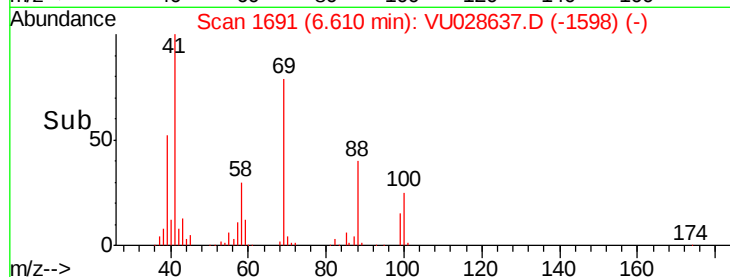
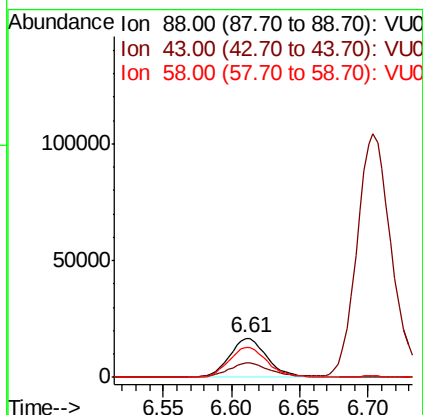
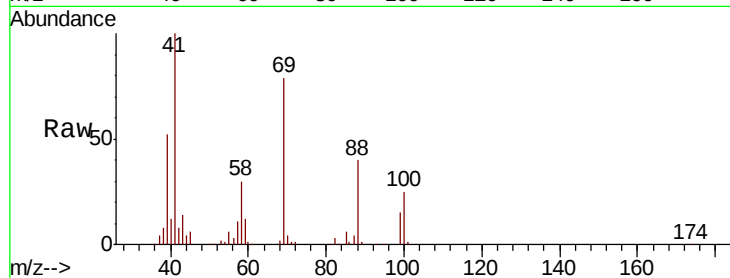
#49
1,4-Dioxane
Concen: 915.818 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	30.9	46.3
58	79.1	62.4	93.6

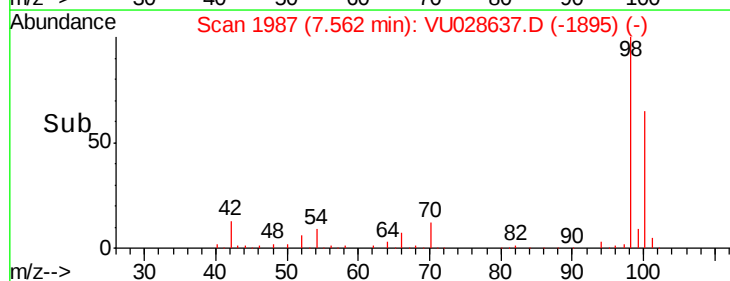
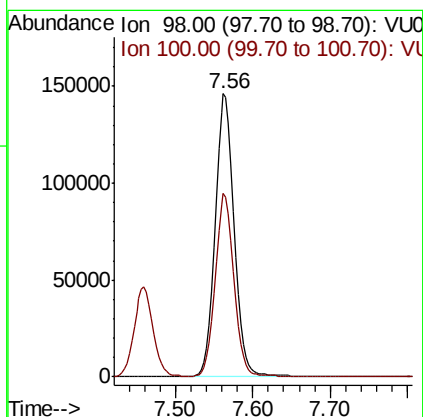
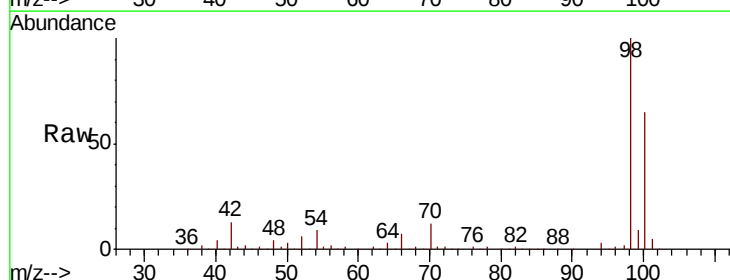
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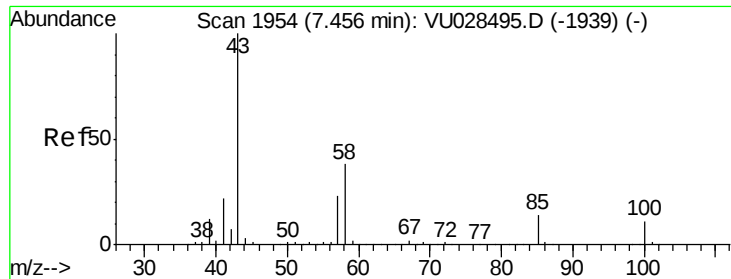
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#50
Toluene-d8
Concen: 51.555 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 235.267 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 661287

Ion Ratio Lower Upper

43 100

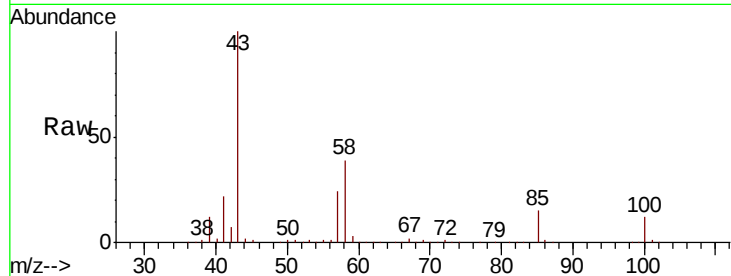
58 38.7 30.2 45.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

7.46

400000

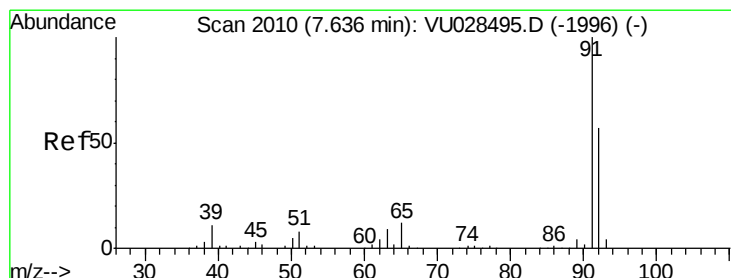
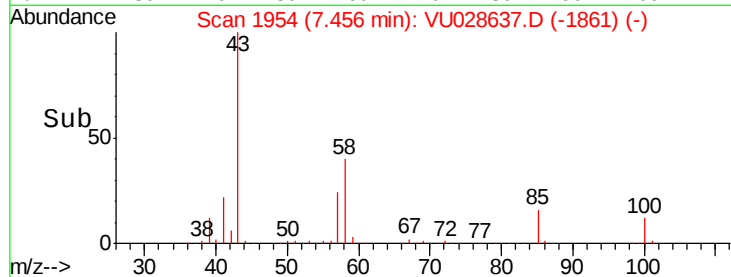
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.919 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028637.D

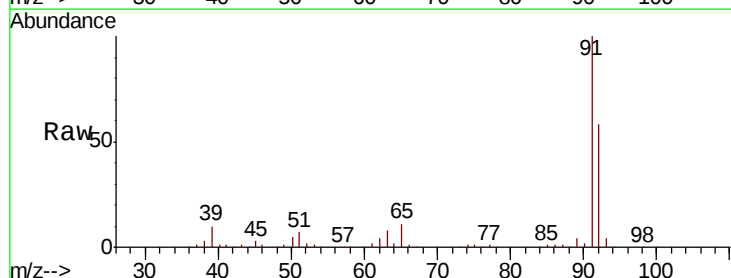
Acq: 12 Dec 2018 09:01

Tgt Ion: 92 Resp: 181036

Ion Ratio Lower Upper

92 100

91 175.1 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU028495.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-1996) (-)

7.64

200000

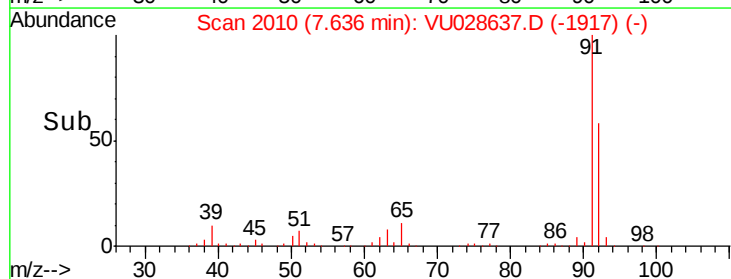
150000

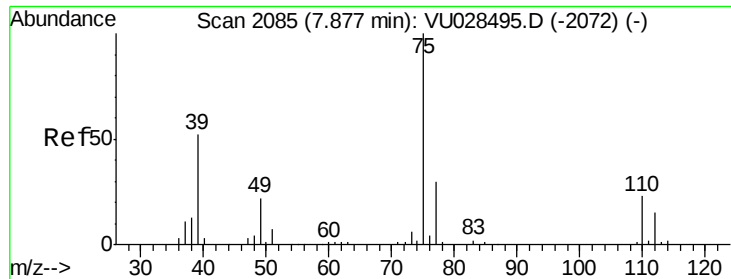
100000

50000

0

Time-->





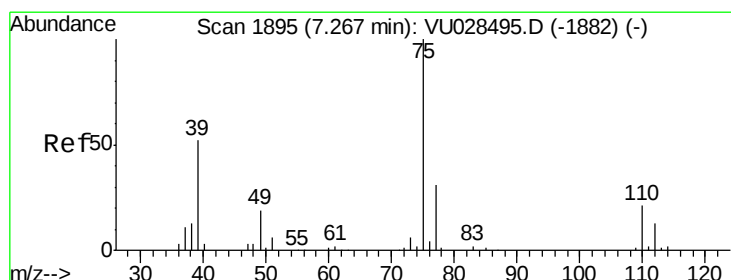
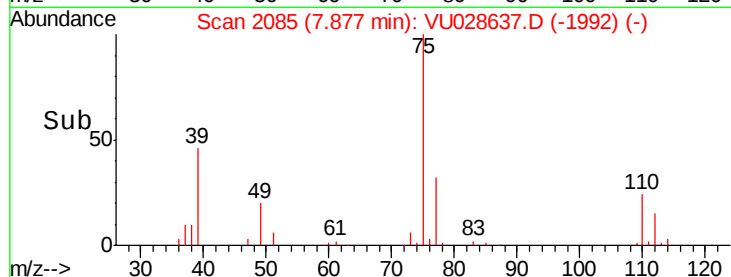
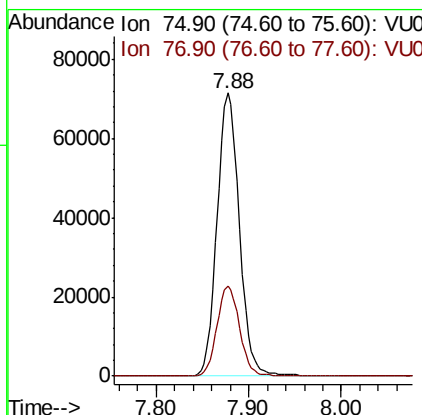
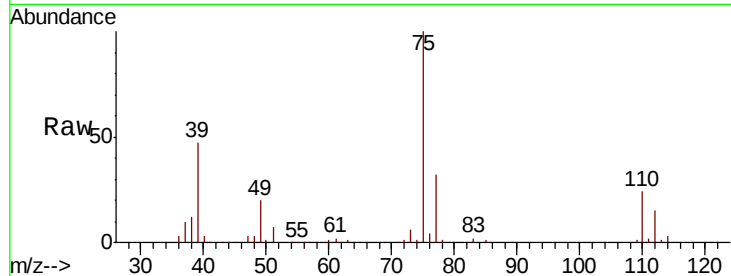
#53
t-1,3-Dichloropropene
Concen: 48.073 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.2	36.4

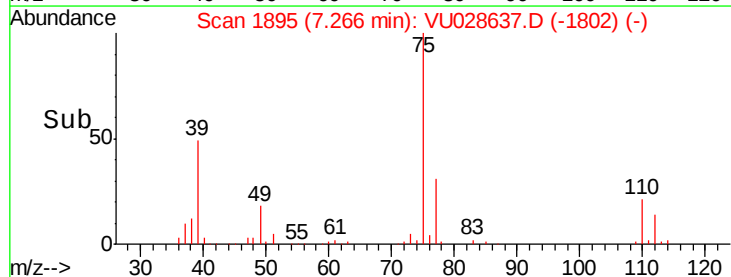
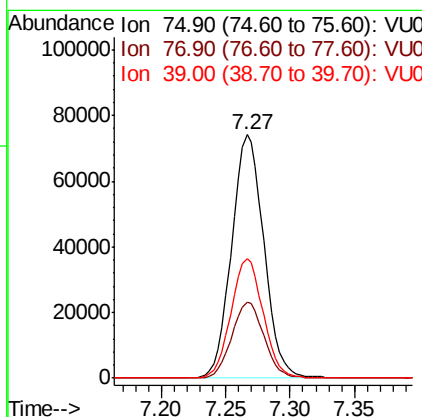
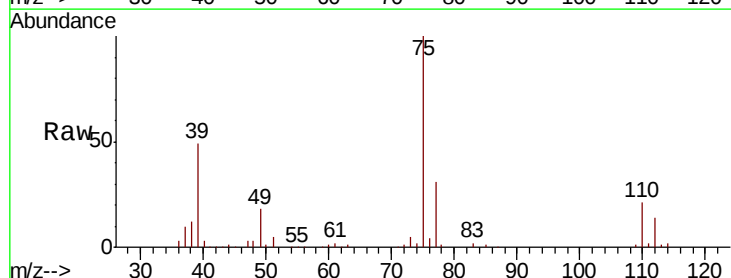
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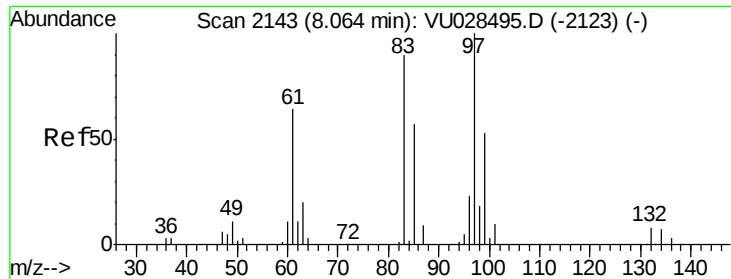
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#54
cis-1,3-Dichloropropene
Concen: 47.735 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.4
39	49.1	41.3	61.9





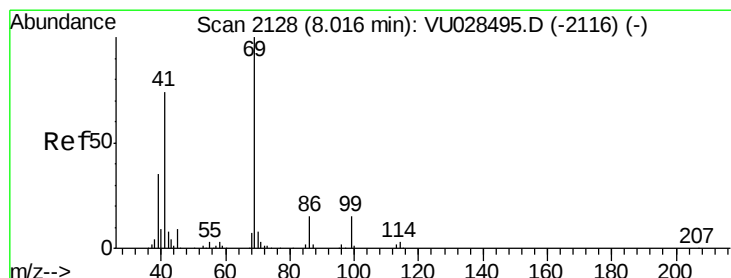
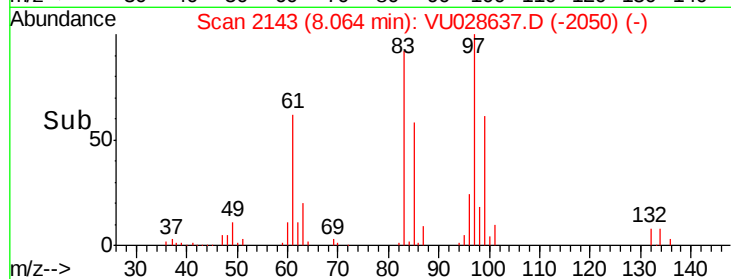
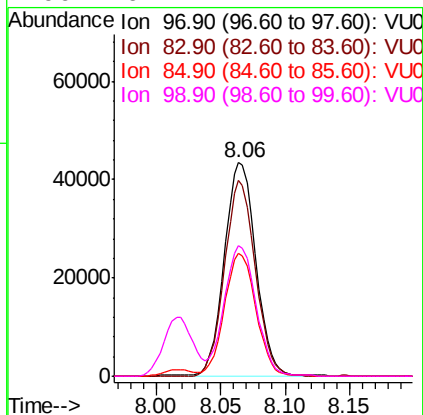
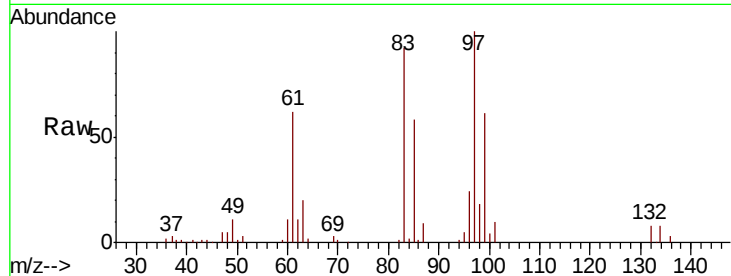
#55
 1,1,2-Trichloroethane
 Concen: 49.391 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	73760
Ion	Ratio	Lower	Upper
97	100		
83	91.9	72.4	108.6
85	57.6	46.0	69.0
99	61.1	47.4	71.2

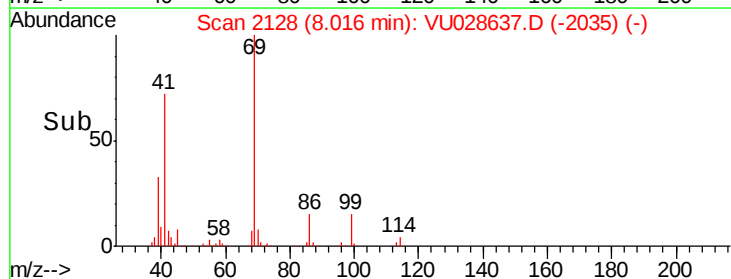
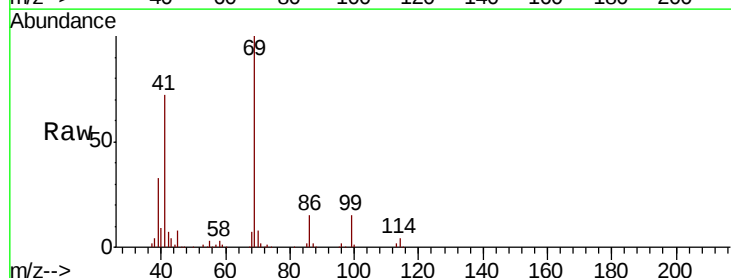
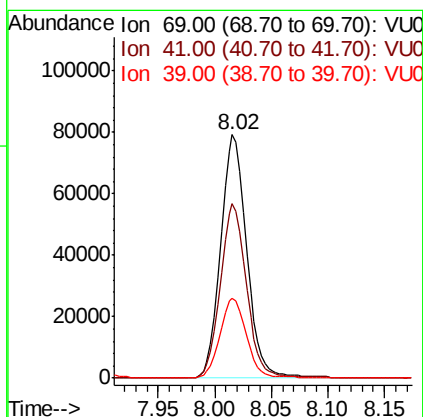
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#56
 Ethyl methacrylate
 Concen: 49.916 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion:	69	Resp:	127653
Ion	Ratio	Lower	Upper
69	100		
41	71.7	59.1	88.7
39	32.9	28.4	42.6





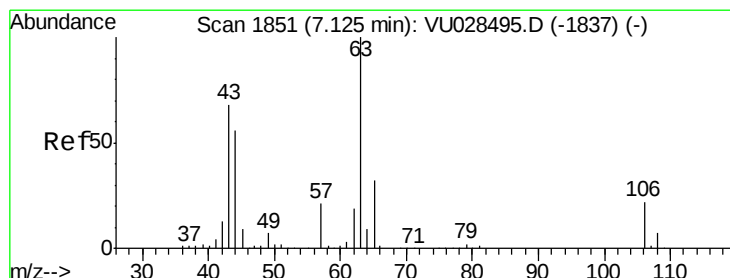
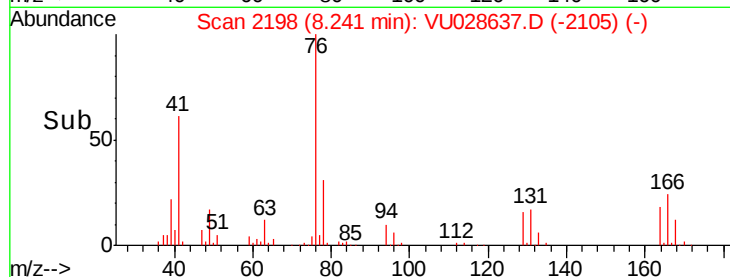
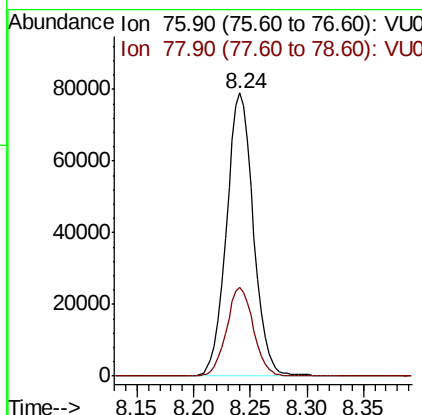
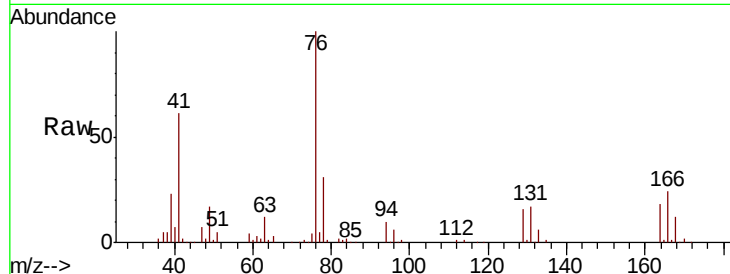
#57
 1,3-Dichloropropane
 Concen: 46.997 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 130285
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.2 37.8

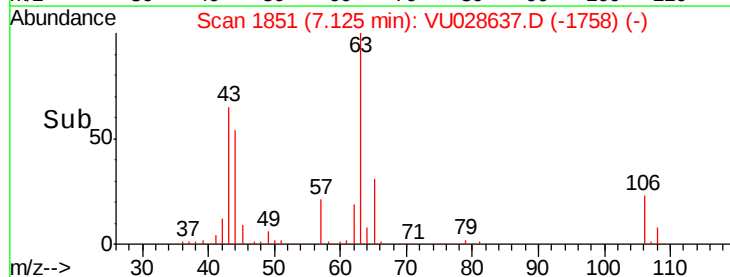
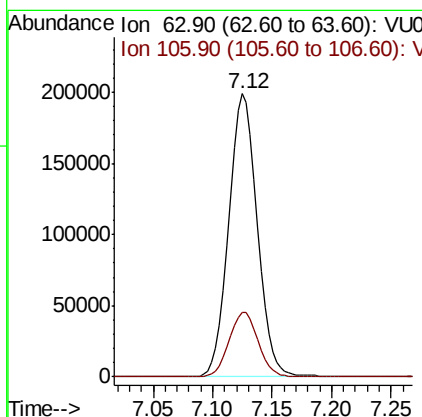
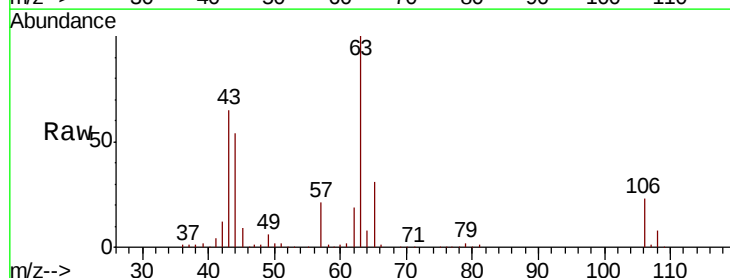
Manual Integrations
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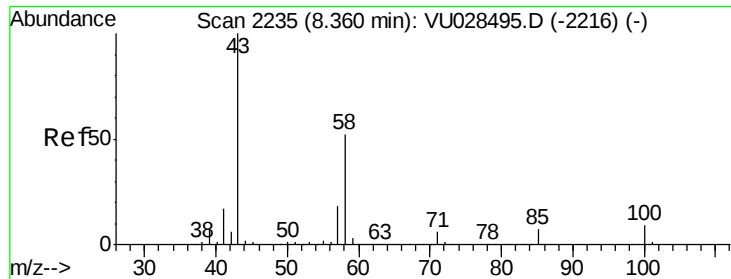
MMDadoda
 12/13/2018 9:29:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.749 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion: 63 Resp: 331072
 Ion Ratio Lower Upper
 63 100
 106 23.3 17.8 26.6





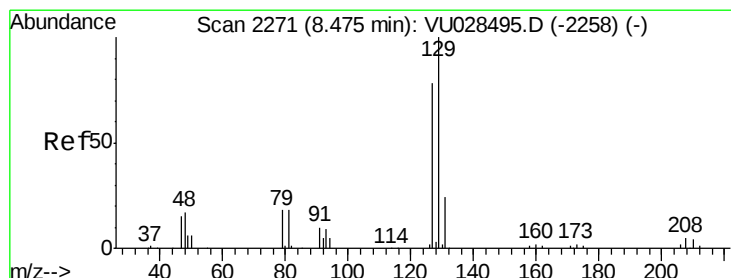
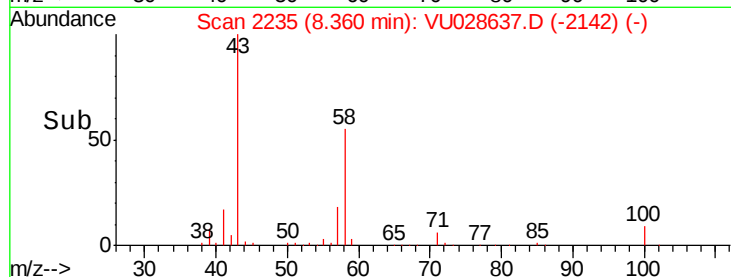
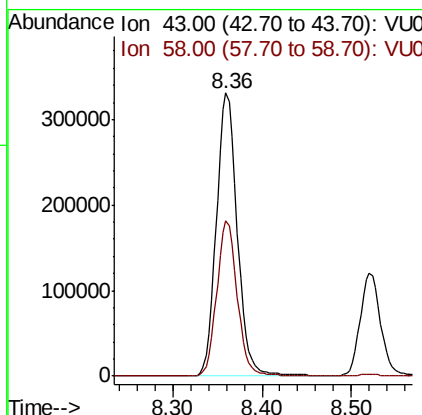
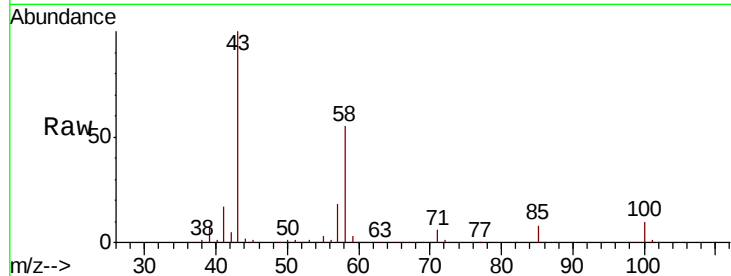
#59
2-Hexanone
Concen: 240.875 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 536633
Ion Ratio Lower Upper
43 100
58 53.9 25.9 77.6

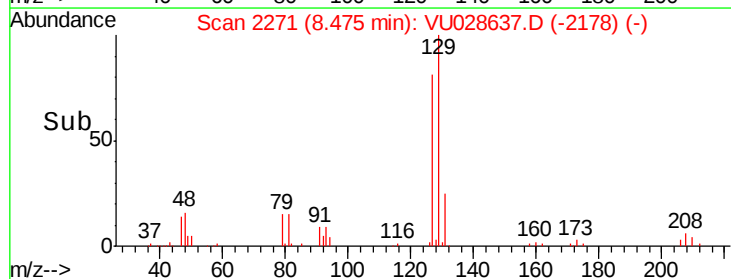
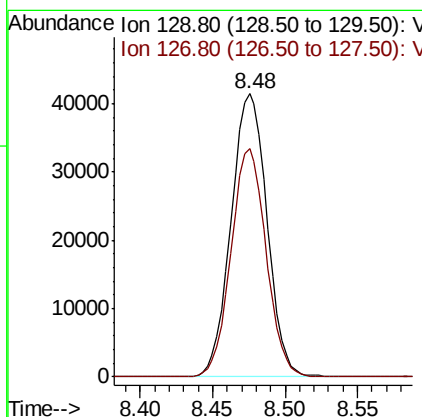
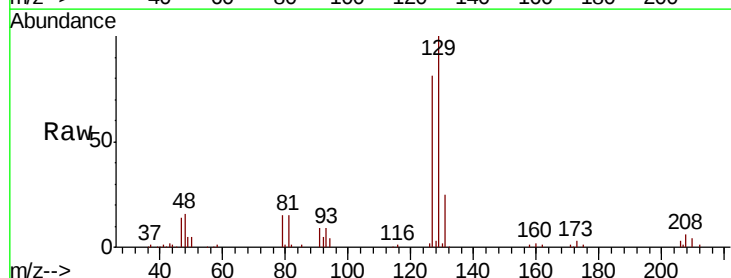
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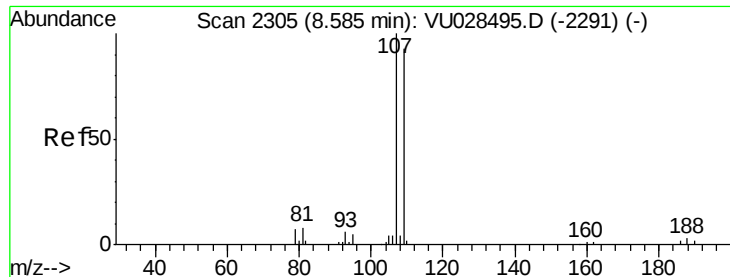
MMDadoda
12/13/2018 9:29:28 AM



#60
Dibromochloromethane
Concen: 48.762 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion: 129 Resp: 71296
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.3





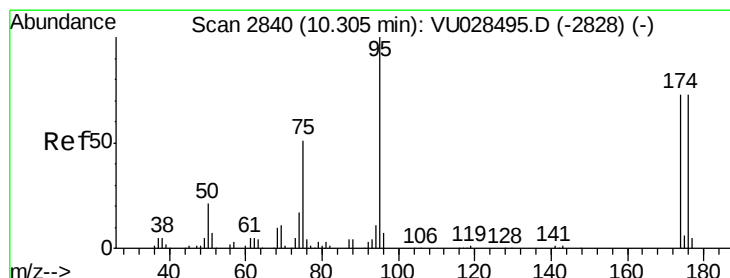
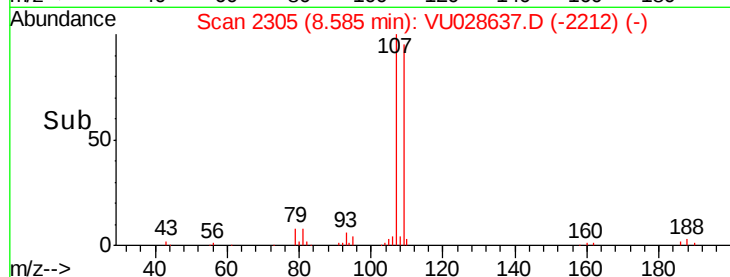
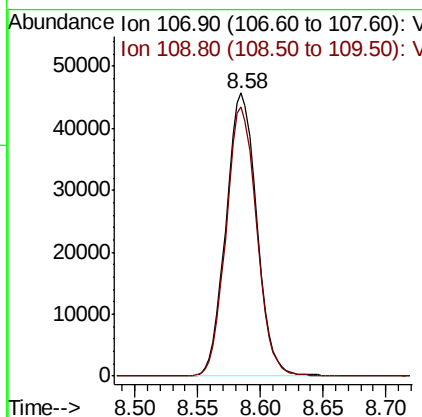
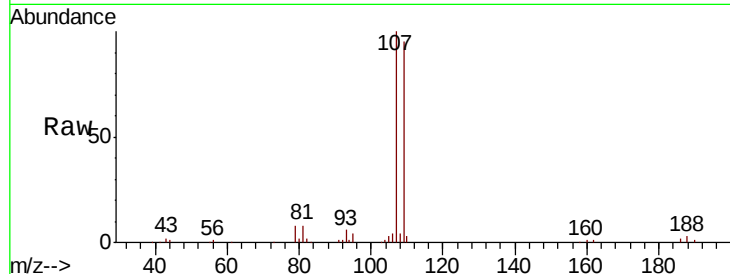
#61
 1,2-Dibromoethane
 Concen: 49.687 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	74.5	111.7

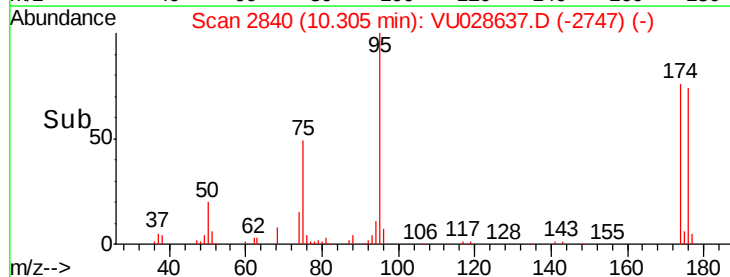
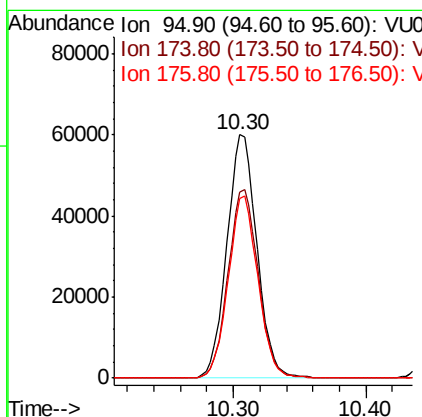
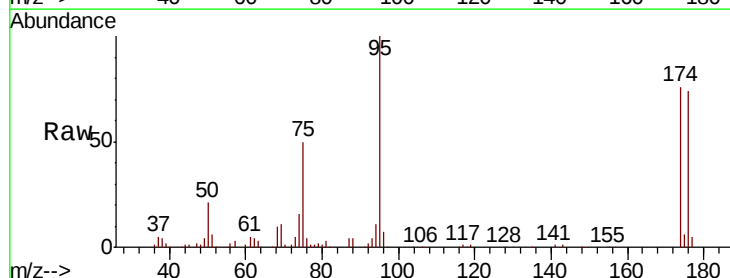
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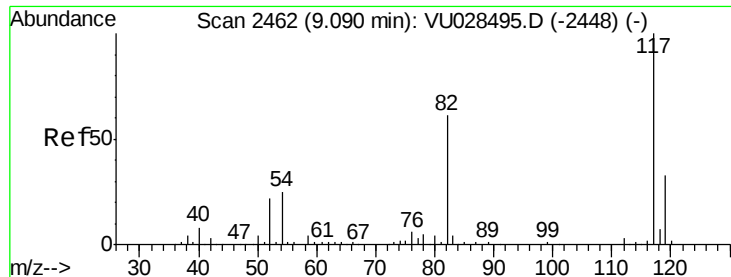
MMDadoda
 12/13/2018 9:29:28 AM



#62
 4-Bromofluorobenzene
 Concen: 50.972 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	150.4
176	74.0	0.0	145.2





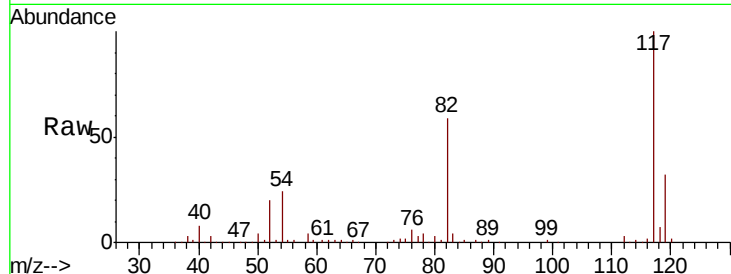
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	48.9	73.3
119	31.9	26.2	39.4

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12/13/2018 9:29:28 AM

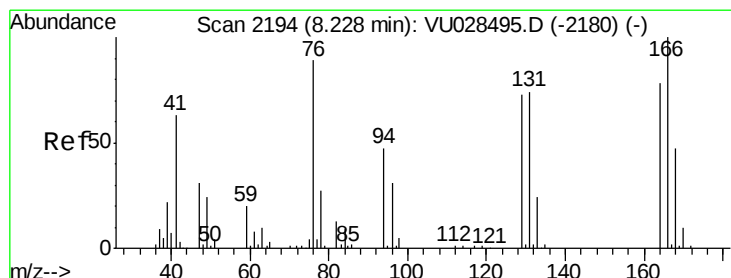
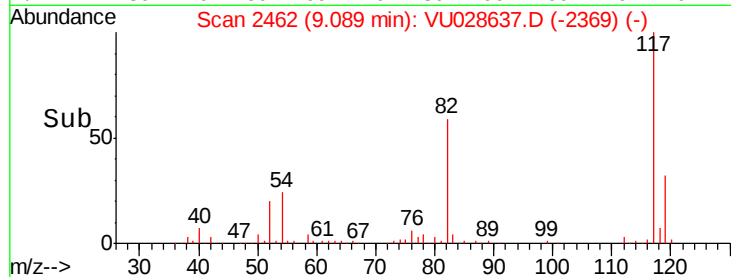
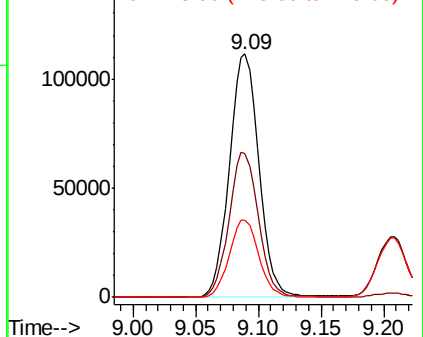


Abundance

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: 48.135 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	101.9	152.9
129	95.3	74.9	112.3
131	90.2	75.4	113.0

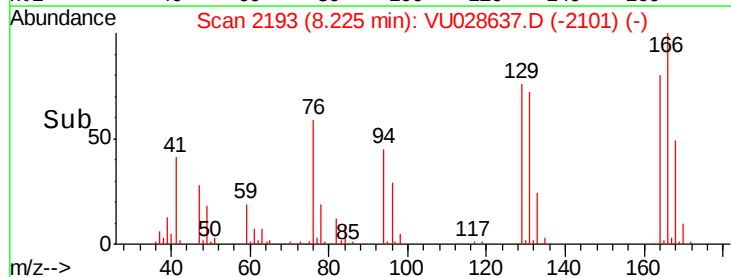
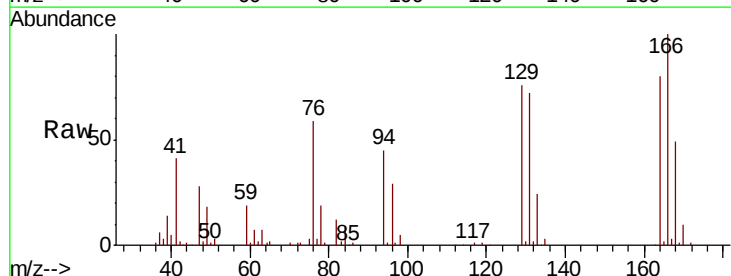
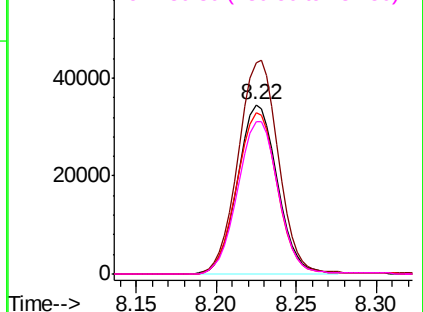
Abundance

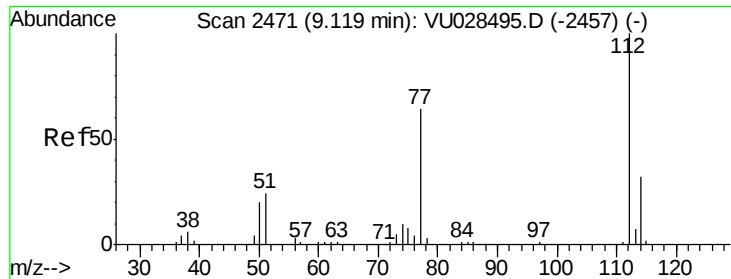
Ion 163.80 (163.50 to 164.50): V

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





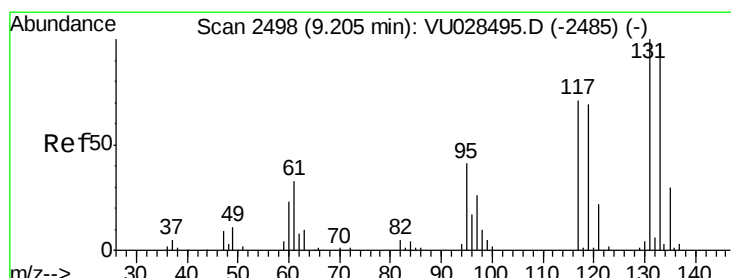
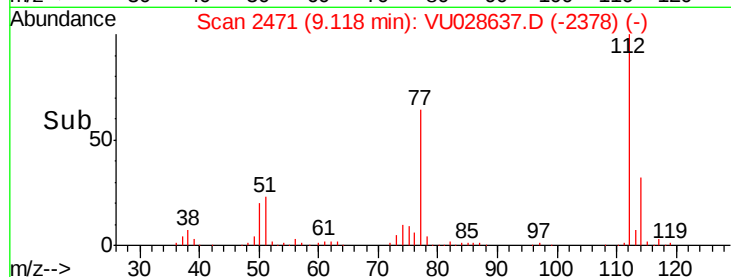
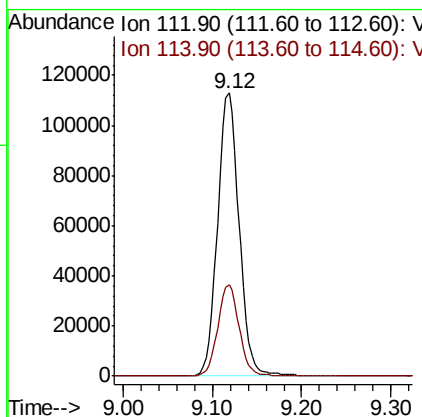
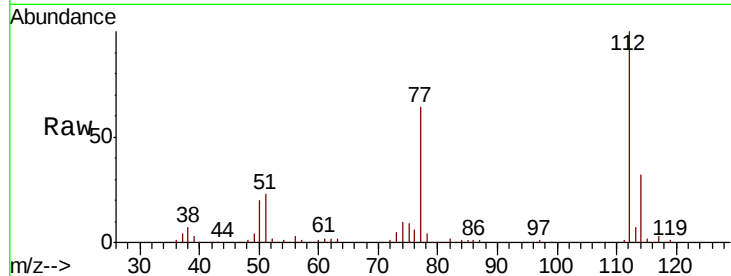
#65
Chlorobenzene
Concen: 48.716 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 189677
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9

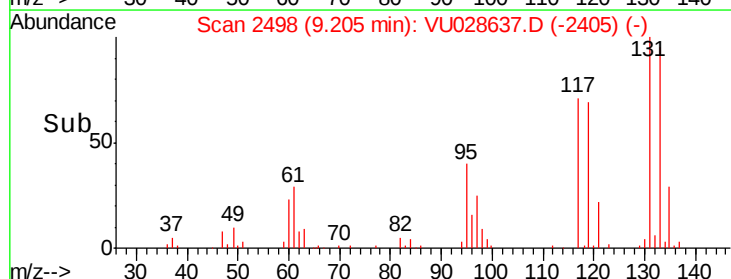
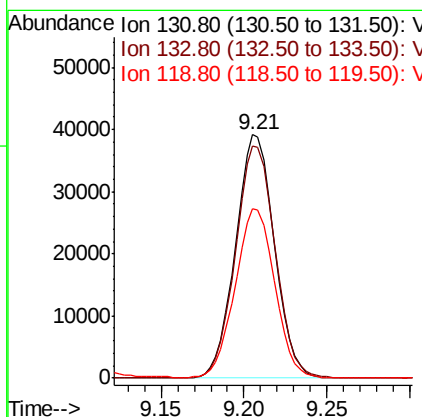
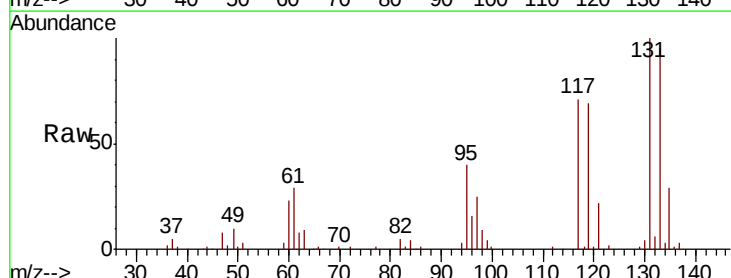
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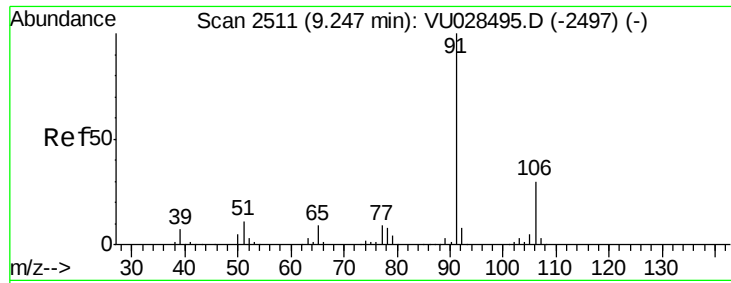
MMDadoda
12/13/2018 9:29:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.383 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion:131 Resp: 63885
Ion Ratio Lower Upper
131 100
133 97.4 48.0 144.0
119 71.0 34.6 103.9





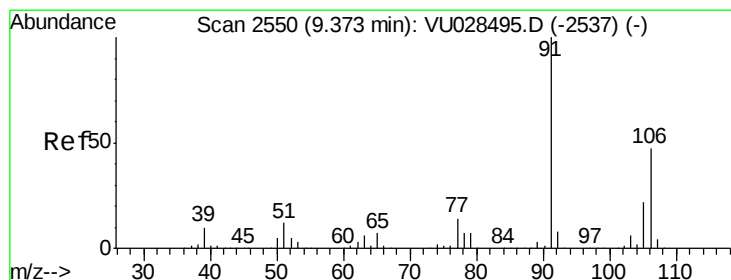
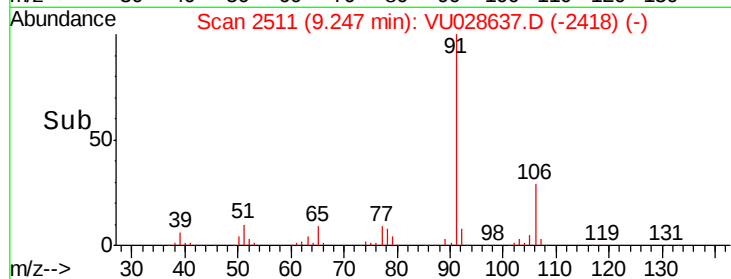
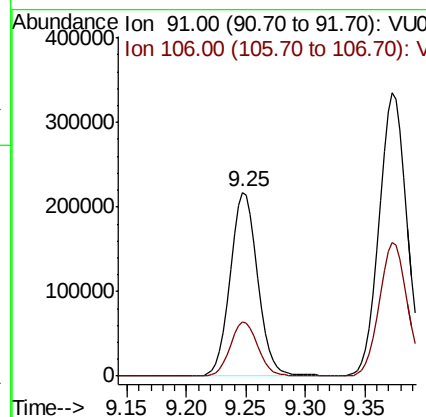
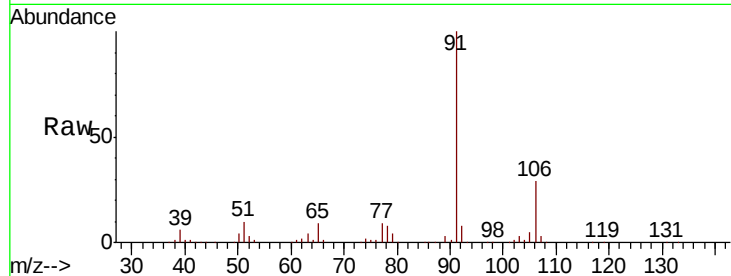
#67
Ethyl Benzene
Concen: 48.866 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 349756
Ion Ratio Lower Upper
91 100
106 29.2 24.1 36.1

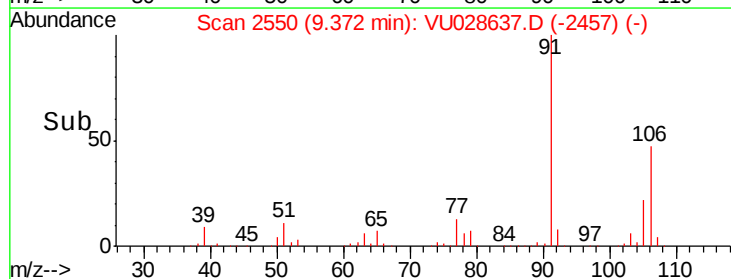
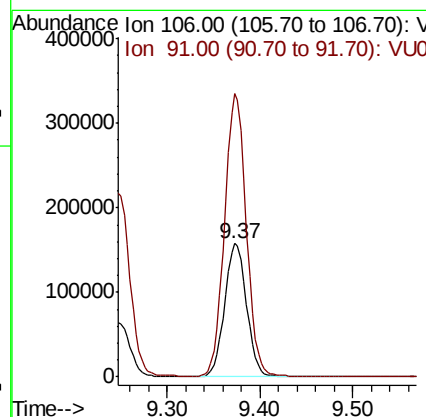
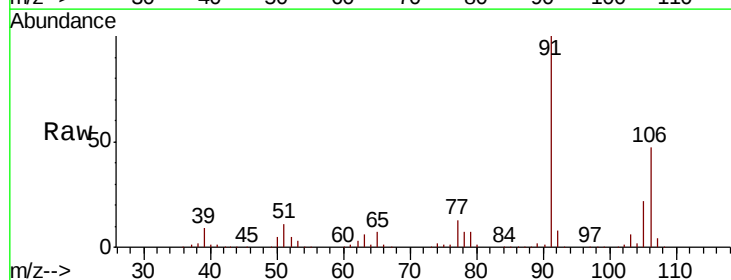
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12/13/2018 9:29:28 AM



#68
m/p-Xylenes
Concen: 99.757 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion: 106 Resp: 259809
Ion Ratio Lower Upper
106 100
91 210.1 167.4 251.0





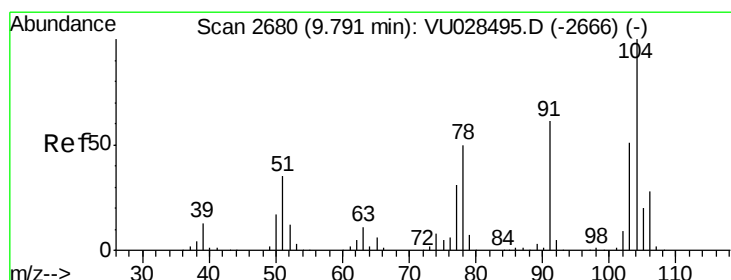
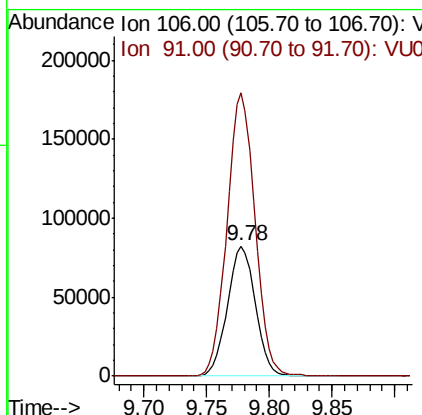
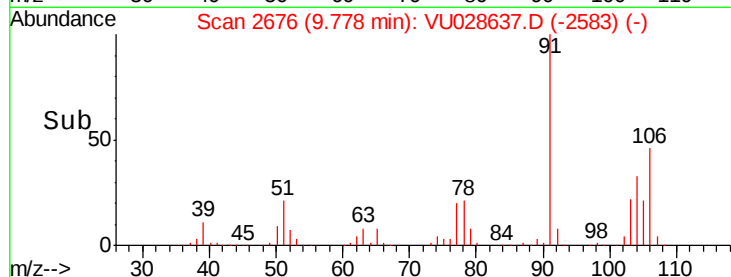
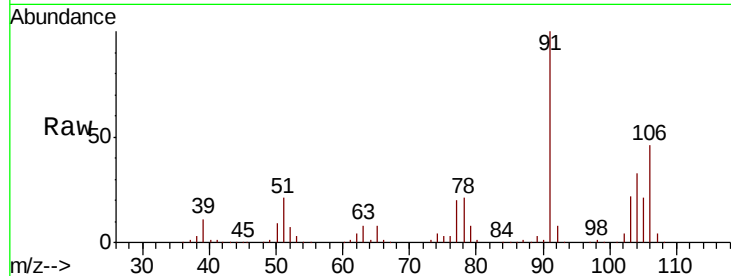
#69
o-Xylene
Concen: 50.254 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 127191
Ion Ratio Lower Upper
106 100
91 218.4 111.3 334.0

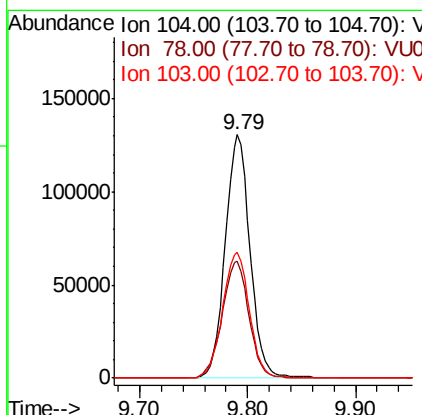
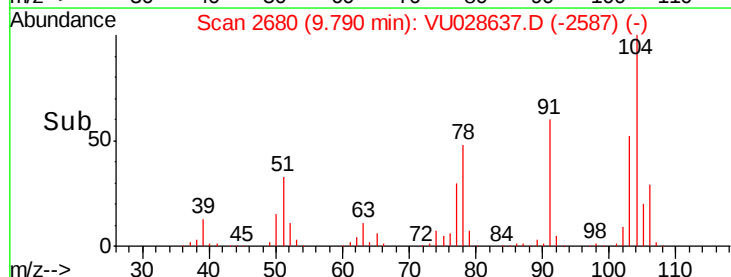
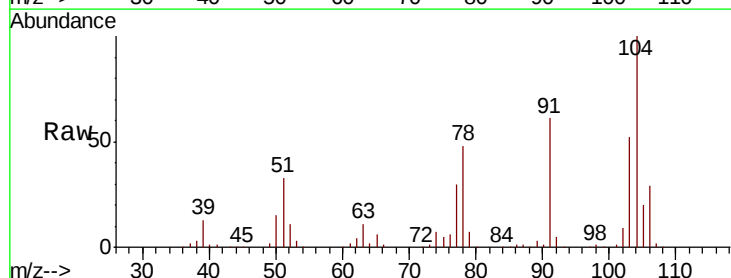
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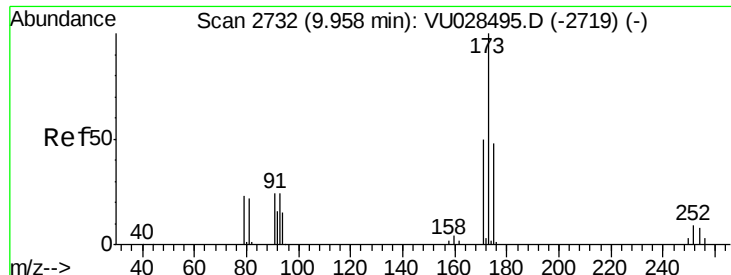
MMDadoda
12/13/2018 9:29:28 AM



#70
Styrene
Concen: 49.961 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion:104 Resp: 209263
Ion Ratio Lower Upper
104 100
78 52.1 43.0 64.6
103 55.7 44.2 66.4





#71

Bromoform

Concen: 52.768 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

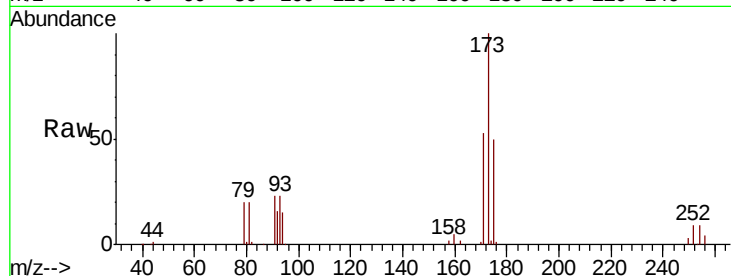
ClientSampleId :

VSTDCCC050

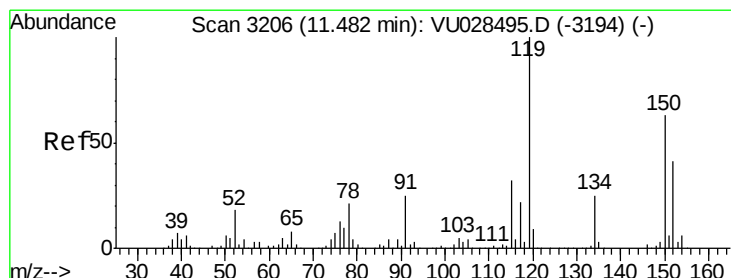
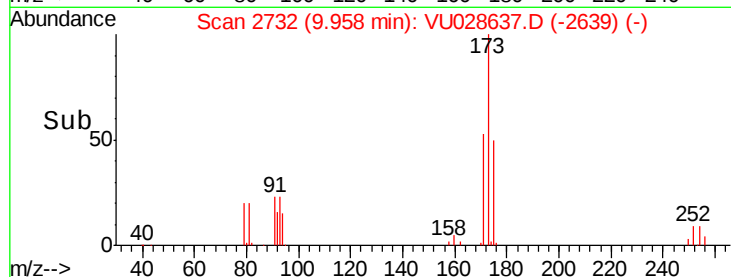
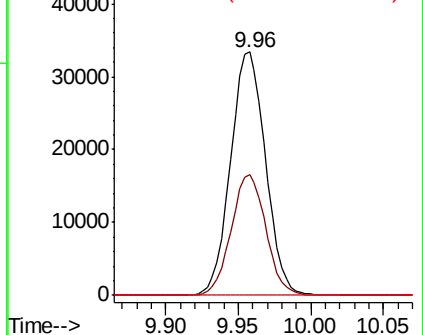
Tot Ion:	173	Resp:	55812
Ion Ratio	Lower	Upper	
173	100		
175	49.1	23.9	71.8
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

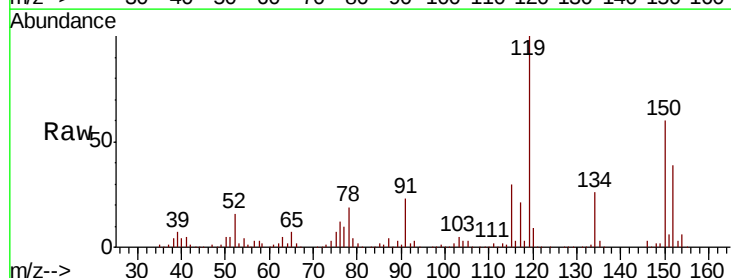
RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

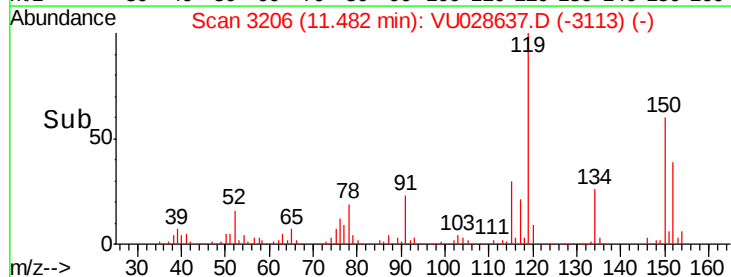
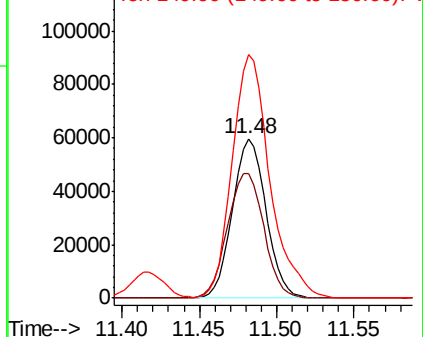
Lab File: VU028637.D

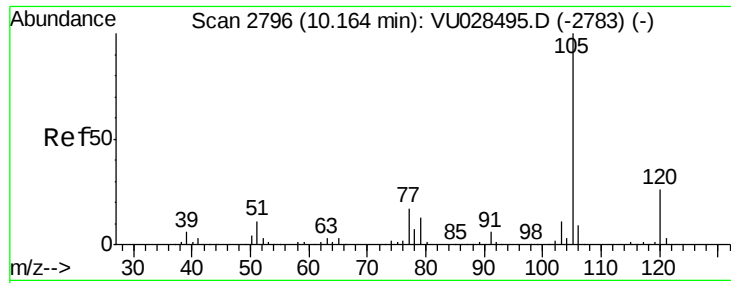
Acq: 12 Dec 2018 09:01

Tgt Ion:	152	Resp:	89896
Ion Ratio	Lower	Upper	
152	100		
115	84.9	42.7	128.1
150	171.3	0.0	346.0



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





#73

Isopropylbenzene

Concen: 48.970 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 337794

Ion Ratio Lower Upper

105 100

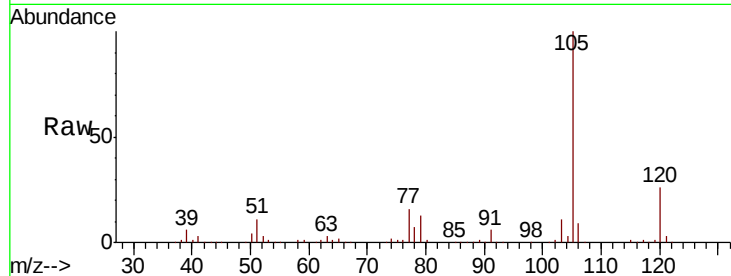
120 25.6 12.9 38.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

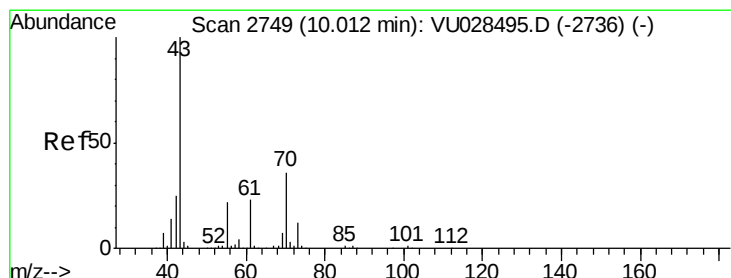
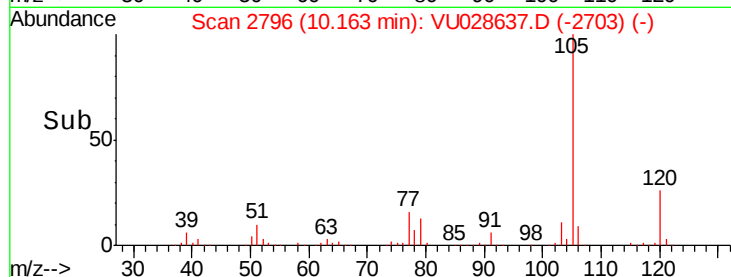
50000

0

10.10

10.20

Time-->



#74

N-ethyl acetate

Concen: 47.592 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Tgt Ion: 43 Resp: 189367

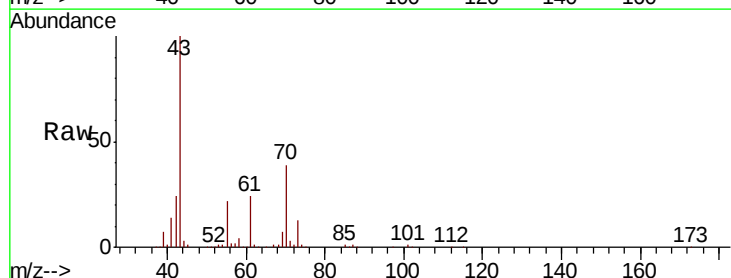
Ion Ratio Lower Upper

43 100

70 38.8 29.3 43.9

55 22.6 18.0 27.0

61 23.6 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

200000

150000

100000

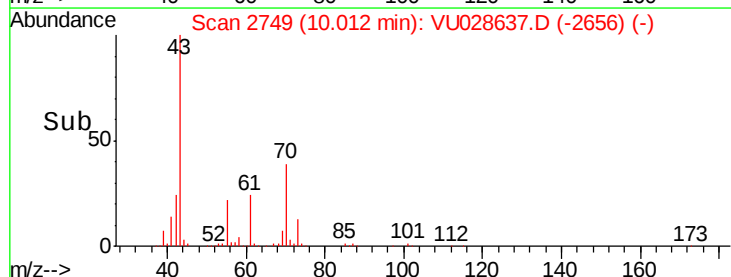
50000

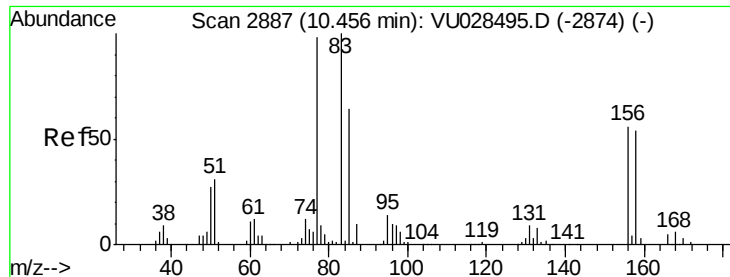
0

10.00

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.689 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

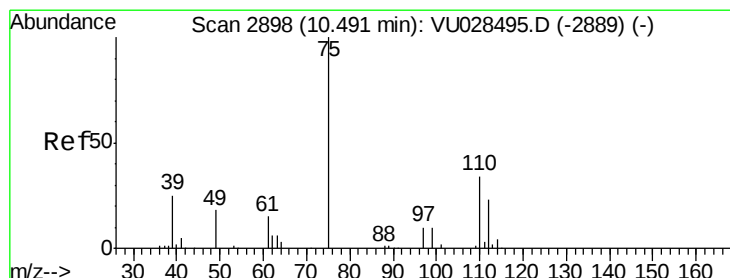
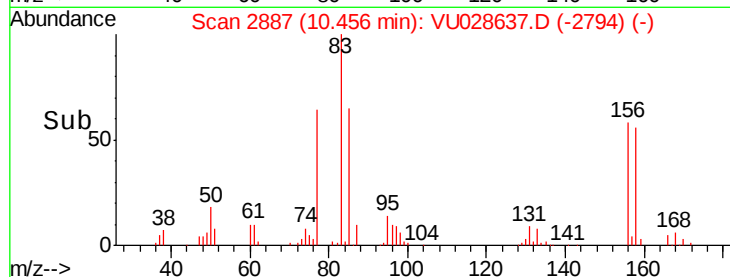
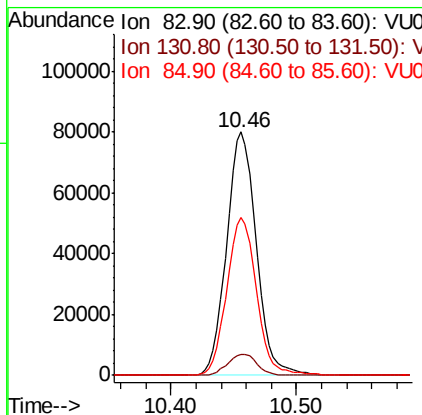
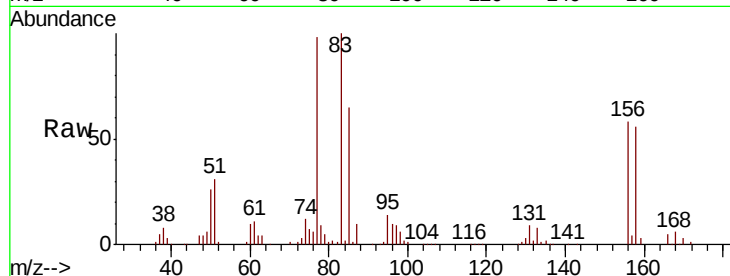
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	131667
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.2	12.4
85	64.8	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.008 ug/l m

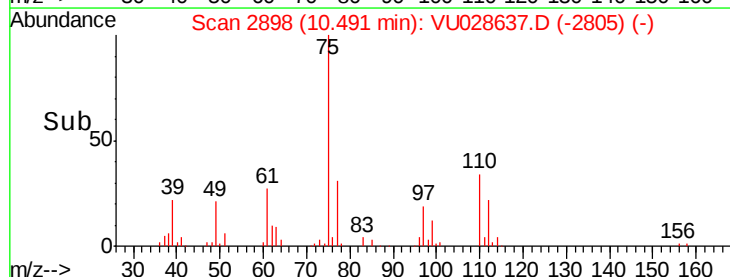
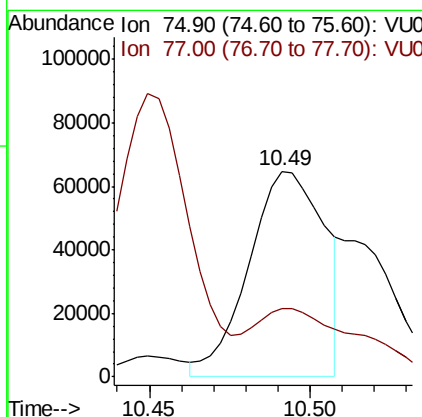
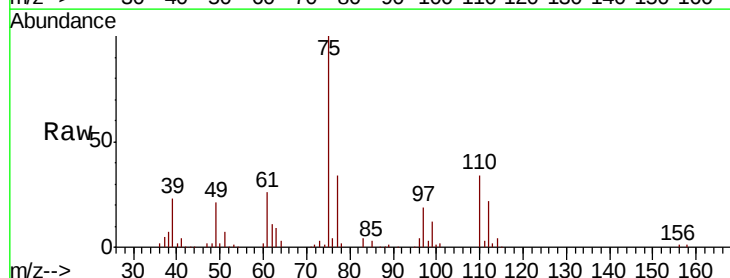
RT: 10.49 min Scan# 2898

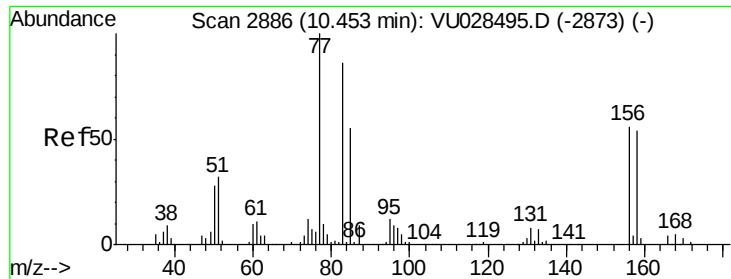
Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Tgt Ion:	75	Resp:	105611
Ion Ratio	Lower	Upper	
75	100		
77	46.4	20.8	62.4





#77

Bromobenzene

Concen: 50.080 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

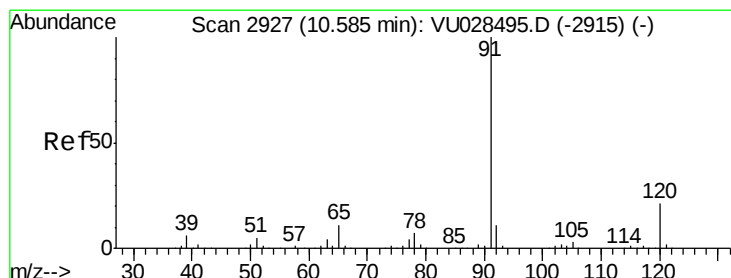
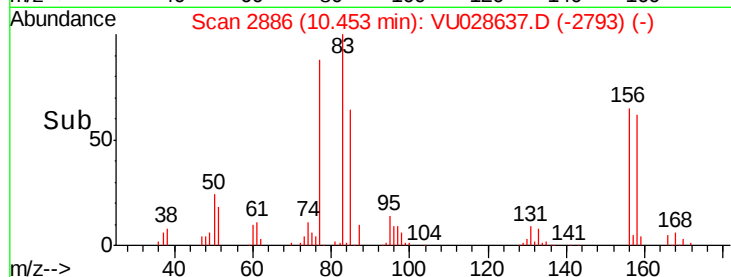
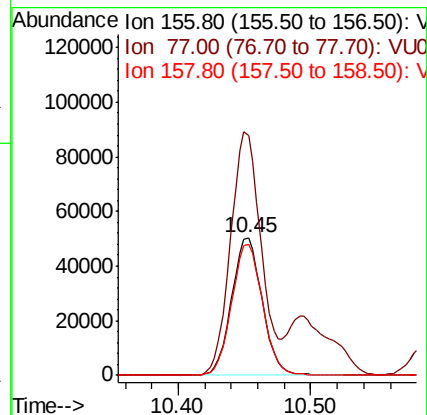
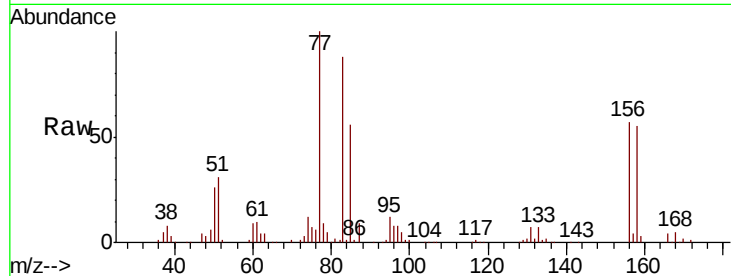
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	175.3	92.4	277.2	
158	96.5	48.4	145.3	

Manual Integrations
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12/13/2018 9:29:28 AM



#78

n-propylbenzene

Concen: 48.159 ug/l

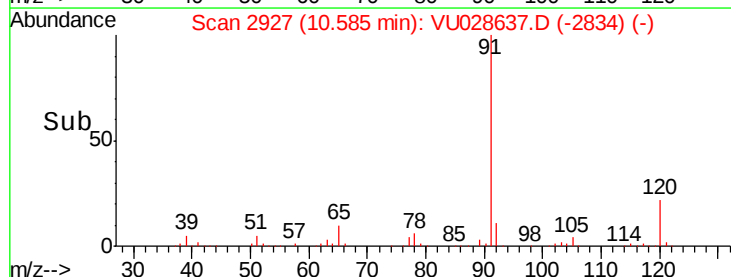
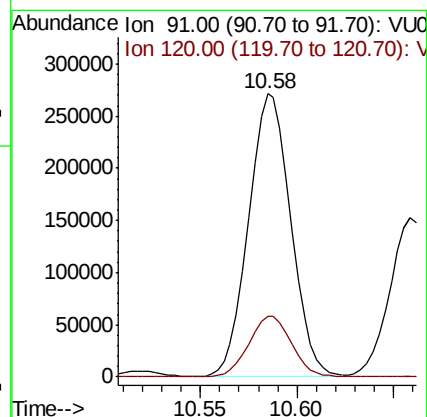
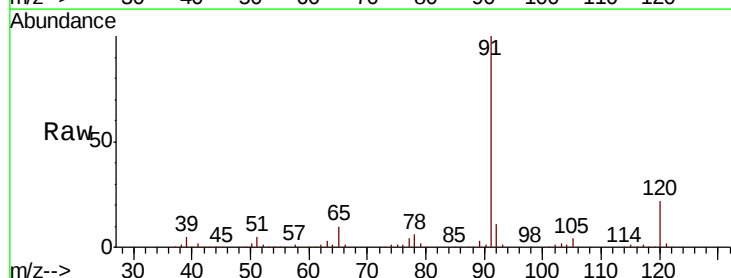
RT: 10.58 min Scan# 2927

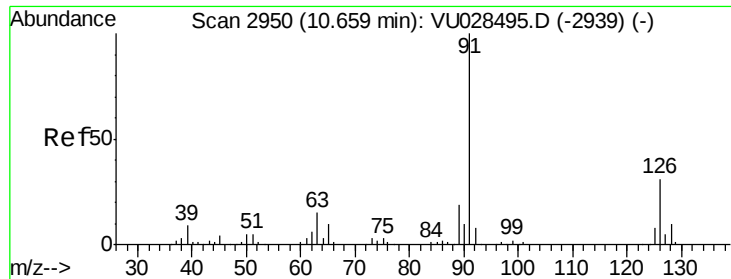
Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.6	10.6	31.8	





#79

2-Chlorotoluene

Concen: 48.088 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028637.D

Acq: 12 Dec 2018 09:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 237429

Ion Ratio Lower Upper

91 100

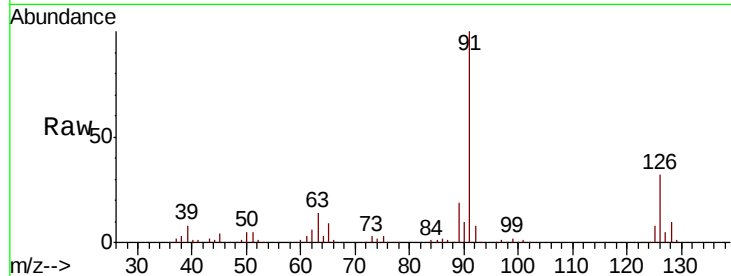
126 32.2 15.6 46.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028495.D (-2939) (-)

300000

250000

200000

150000

100000

50000

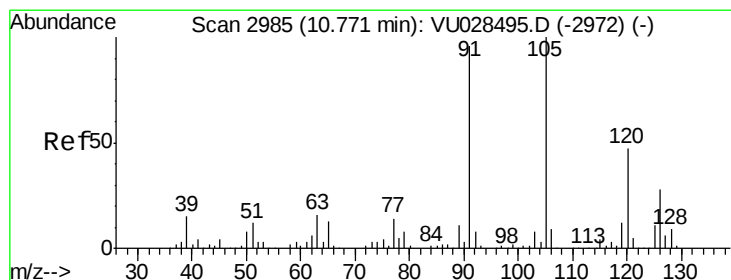
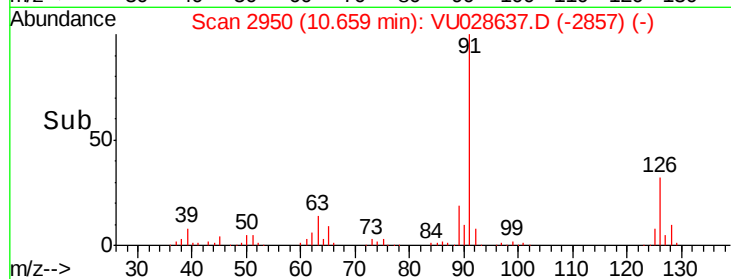
0

10.60

10.65

10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.719 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028637.D

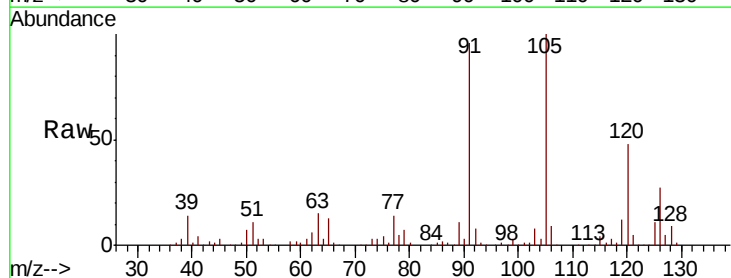
Acq: 12 Dec 2018 09:01

Tgt Ion:105 Resp: 283897

Ion Ratio Lower Upper

105 100

120 47.1 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VU028495.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028495.D (-2972) (-)

200000

150000

100000

50000

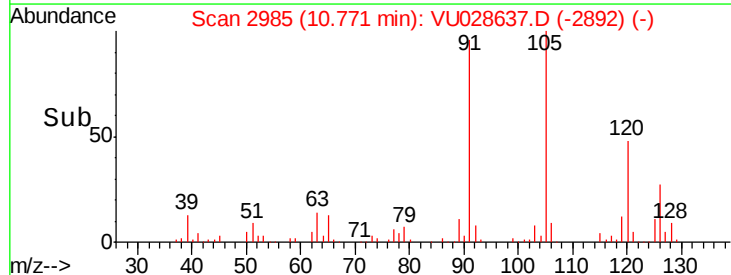
0

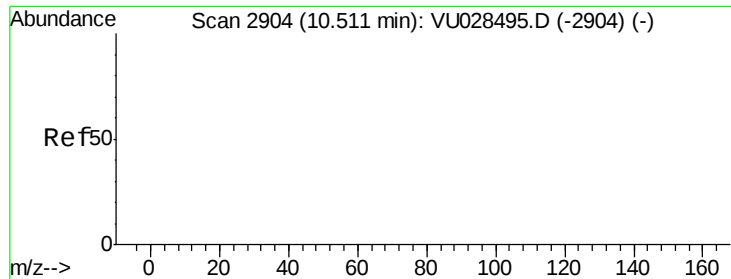
10.70

10.75

10.80

Time-->





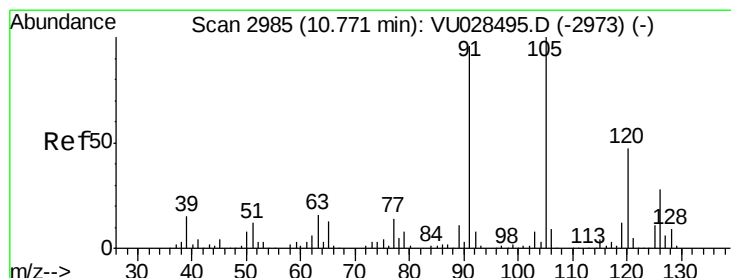
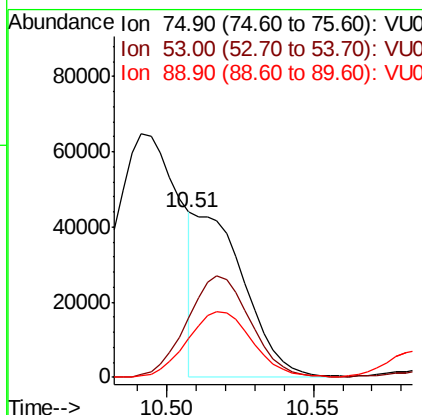
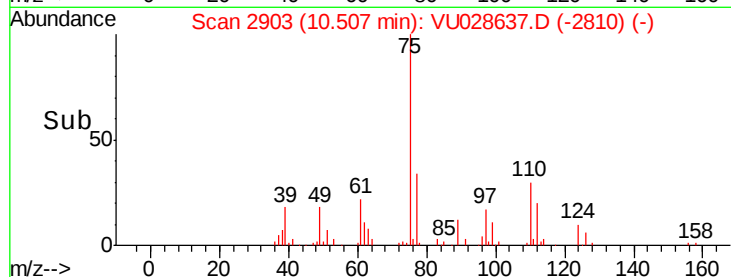
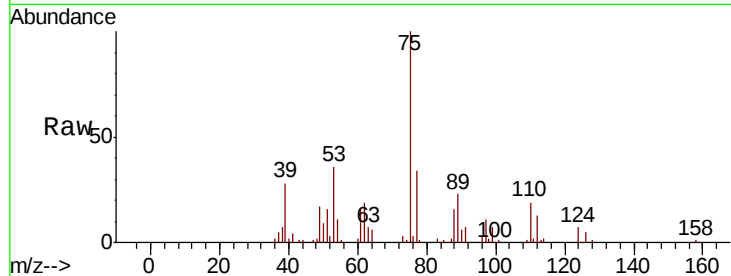
#81
trans-1,4-Dichloro-2-butene
Concen: 55.688 ug/l m
RT: 10.51 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

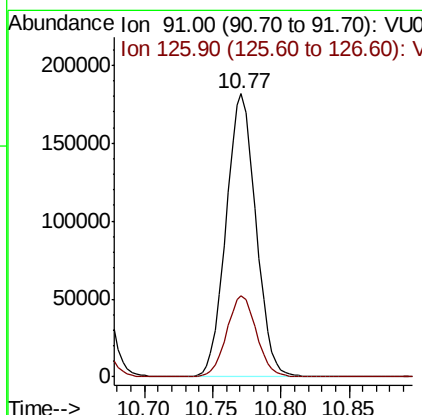
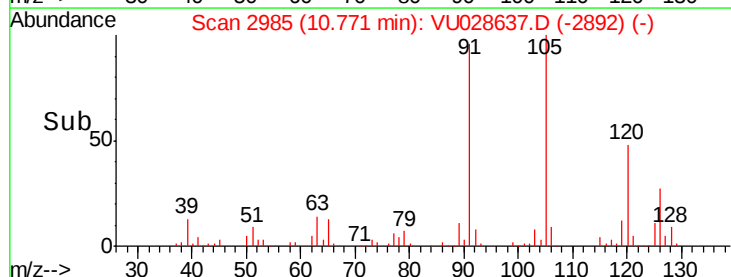
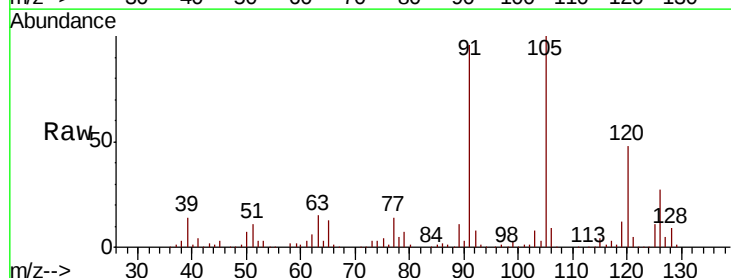
Manual Integrations
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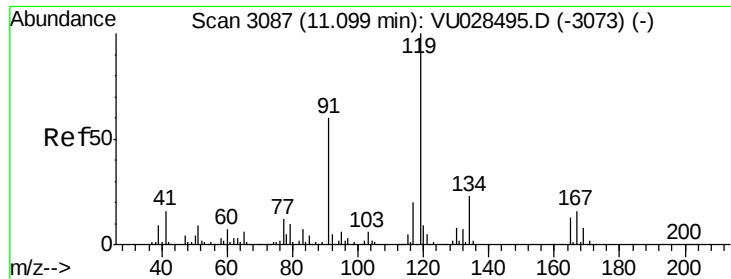
MMDadoda
12/13/2018 9:29:28 AM



#82
4-Chlorotoluene
Concen: 47.147 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.1	42.3





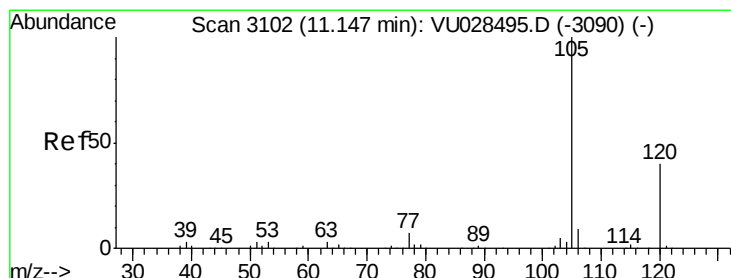
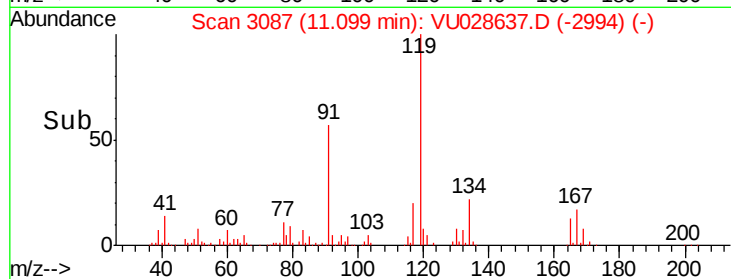
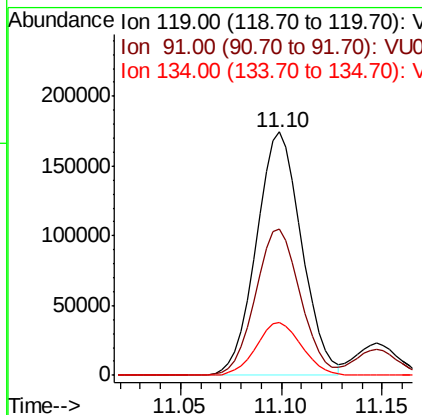
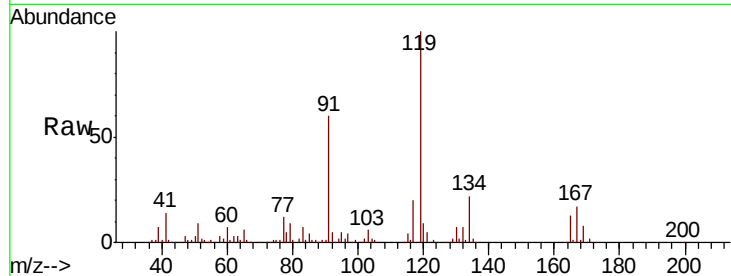
#83
tert-Butylbenzene
Concen: 49.561 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	272765		
91	59.9	30.3	91.0	
134	21.8	11.2	33.5	

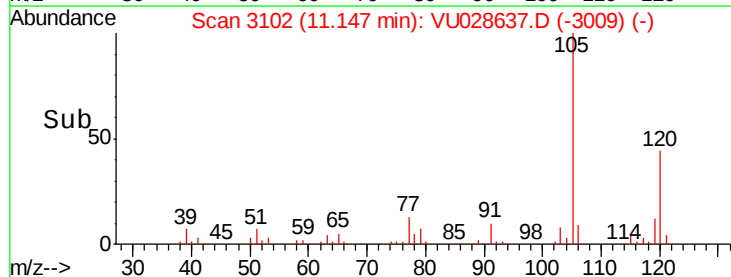
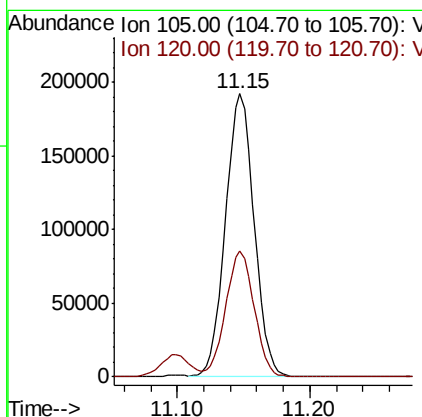
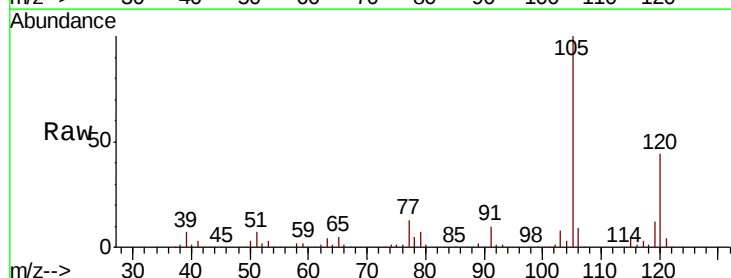
Manual Integrations
APPROVED

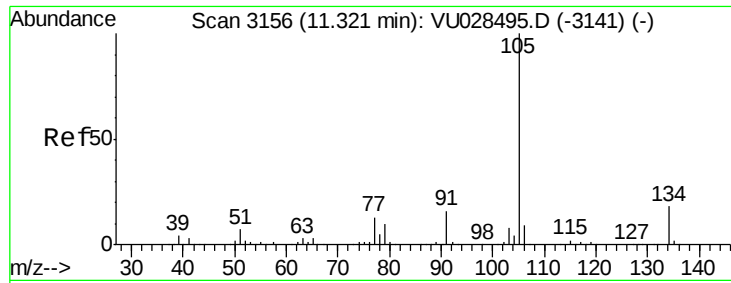
MMDadoda
12/13/2018 9:29:28 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.026 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	288498		
120	44.4	21.8	65.4	





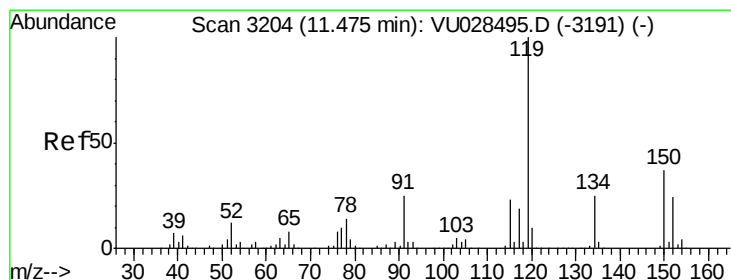
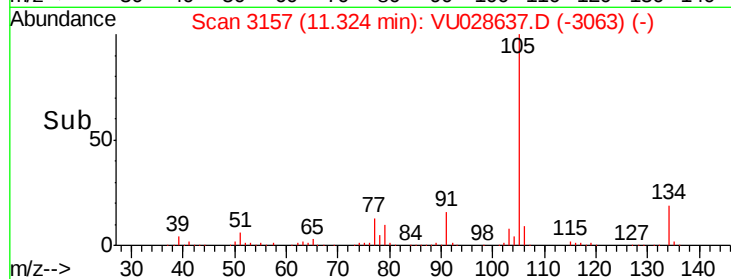
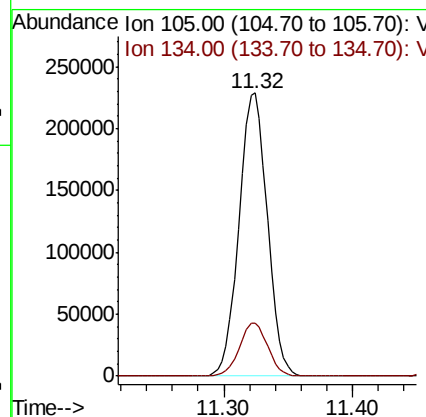
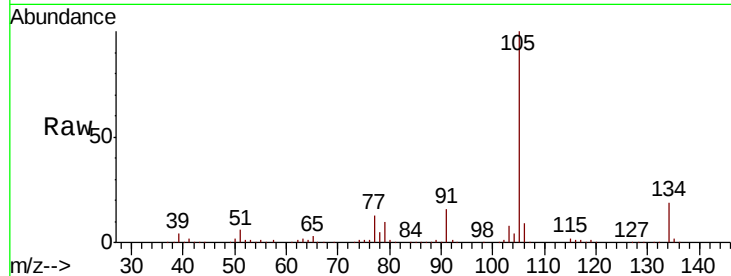
#85
 sec-Butylbenzene
 Concen: 49.335 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.2	27.6

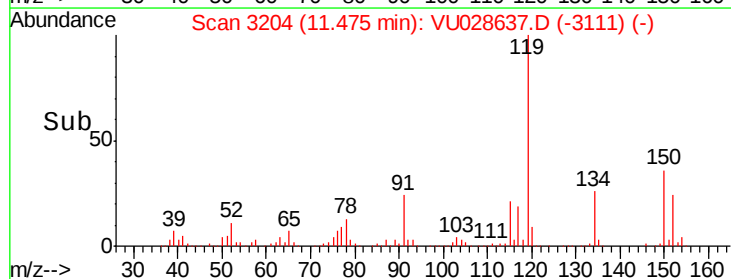
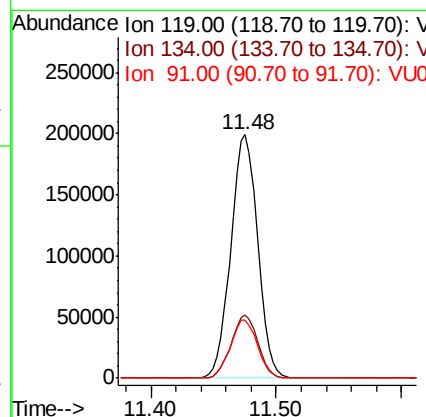
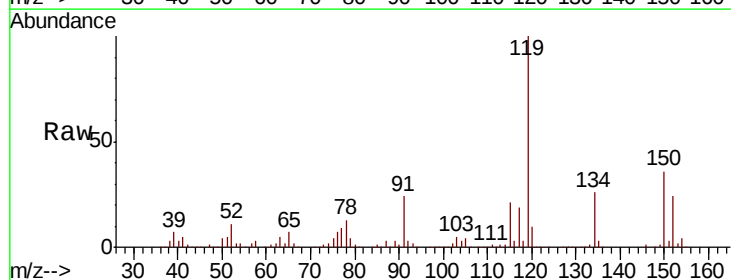
Manual Integrations
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 12/13/2018 9:29:28 AM



#86
 p-Isopropyltoluene
 Concen: 49.125 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.7	38.1
91	24.1	12.6	37.6





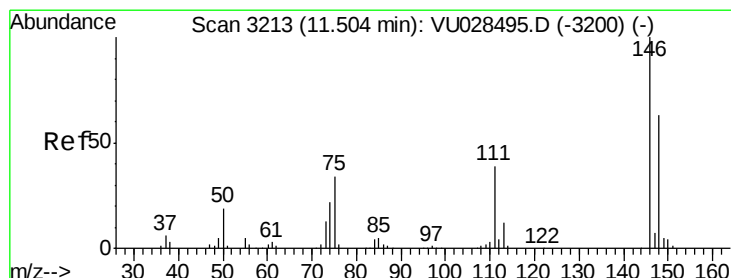
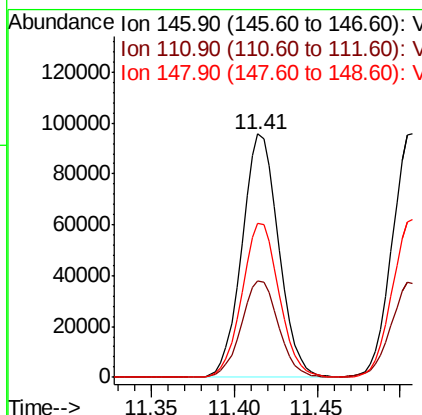
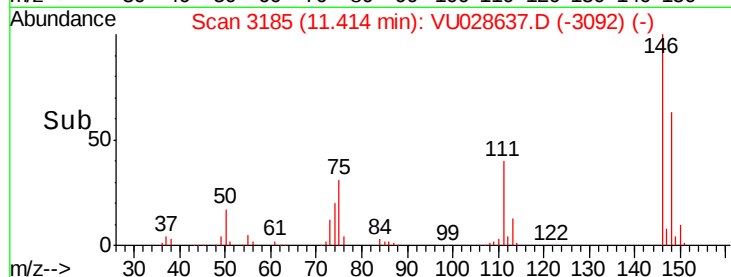
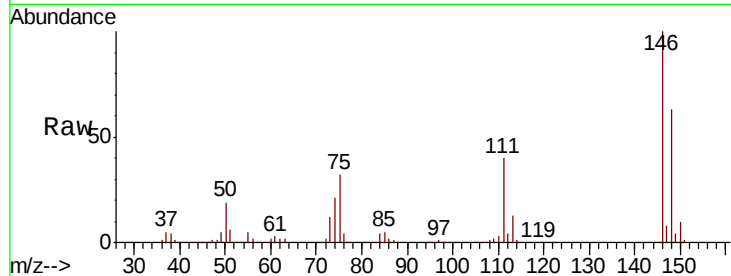
#87
 1,3-Dichlorobenzene
 Concen: 48.360 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.7	62.1
148	64.1	31.9	95.7

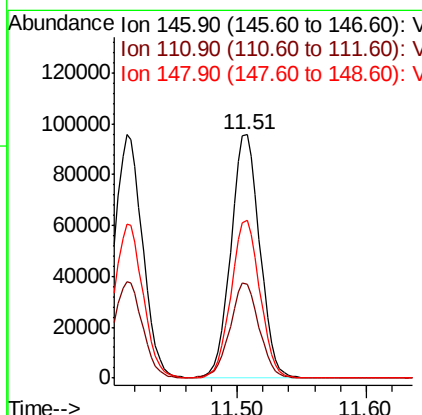
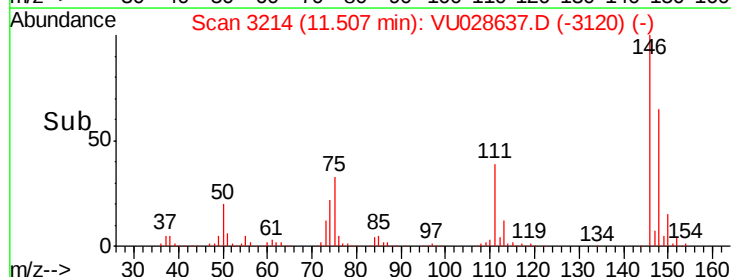
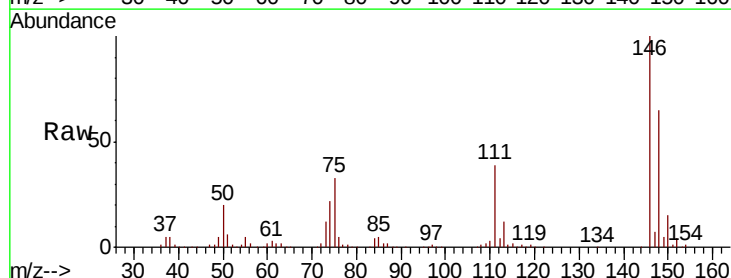
Manual Integrations
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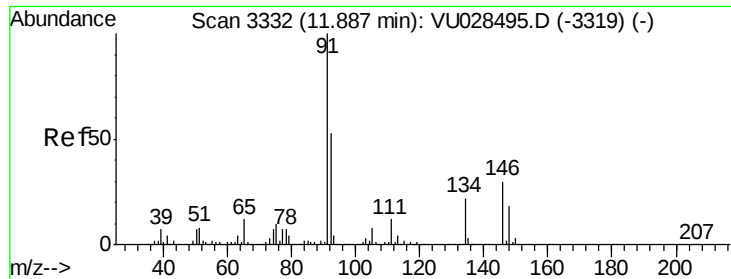
MMDadoda
 12/13/2018 9:29:28 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.267 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.2	60.5
148	64.7	31.6	95.0





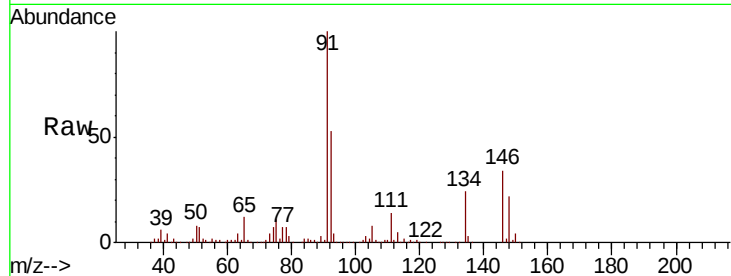
#89
n-Butylbenzene
Concen: 47.672 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.9
134	23.7	11.3	33.8

Manual Integrations
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12/13/2018 9:29:28 AM

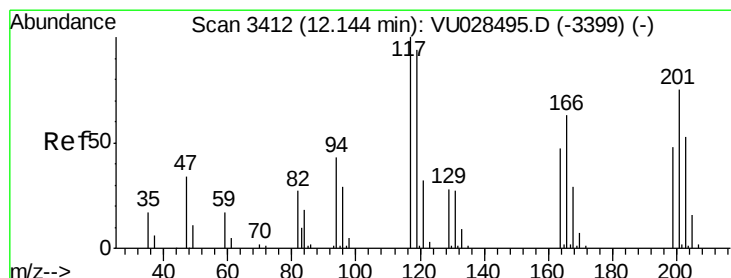
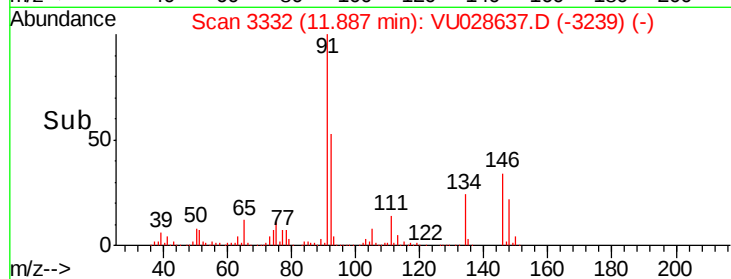
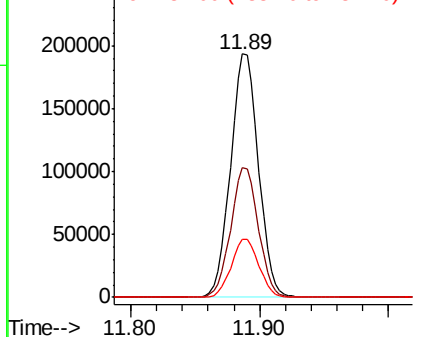


Abundance

Ion 91.00 (90.70 to 91.70): VU028495.D (-3319) (-)

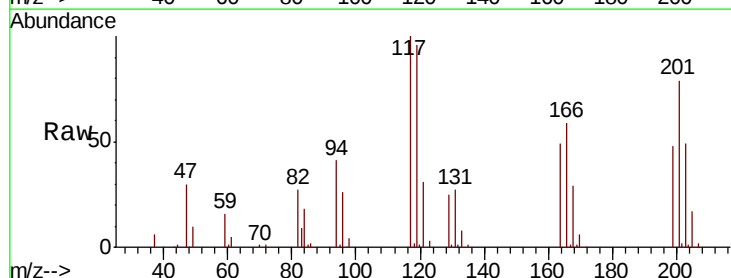
Ion 92.00 (91.70 to 92.70): VU028495.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU028495.D (-3319) (-)



#90
Hexachloroethane
Concen: 50.031 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

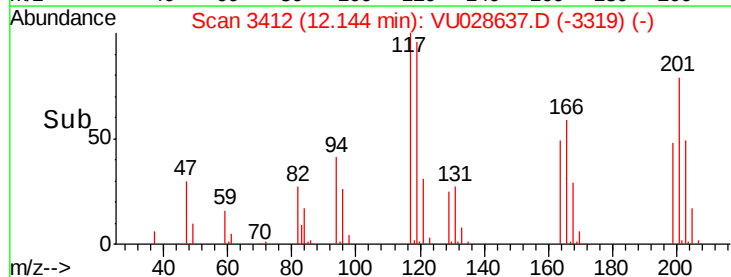
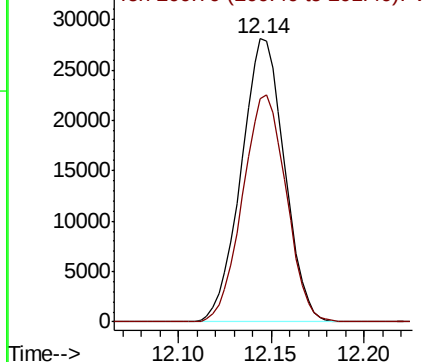
Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.9	38.1	114.5

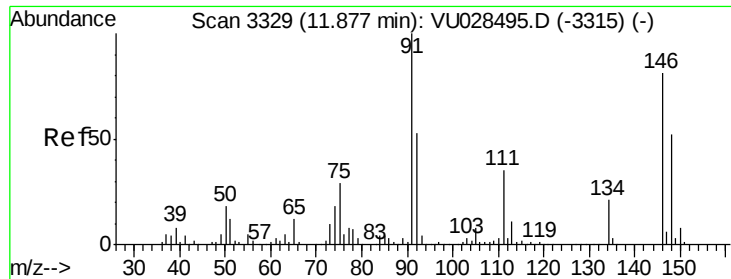


Abundance

Ion 116.80 (116.50 to 117.50): VU028495.D (-3399) (-)

Ion 200.70 (200.40 to 201.40): VU028495.D (-3399) (-)





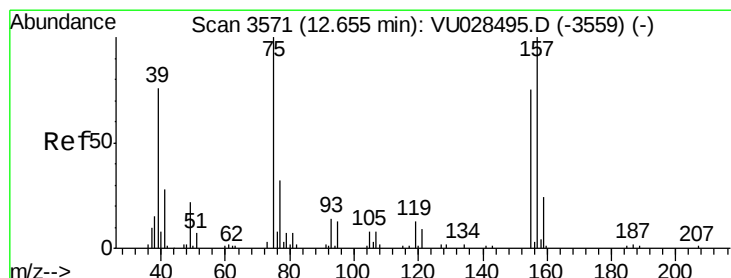
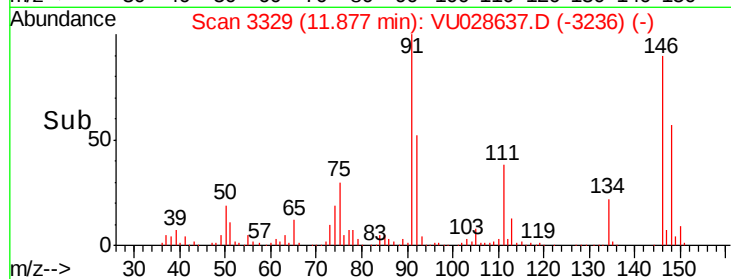
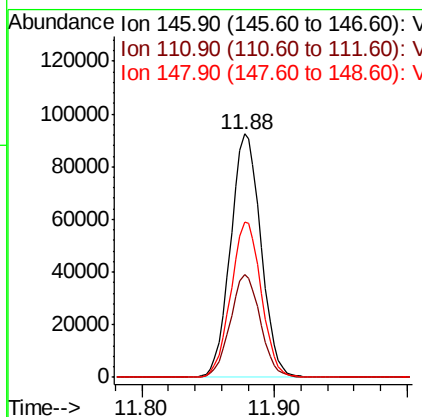
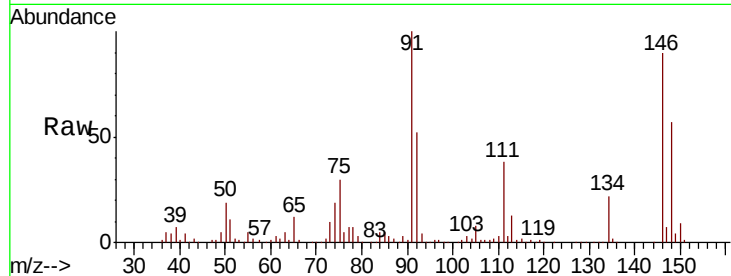
#91
 1,2-Dichlorobenzene
 Concen: 48.254 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.4
148	63.8	31.4	94.2

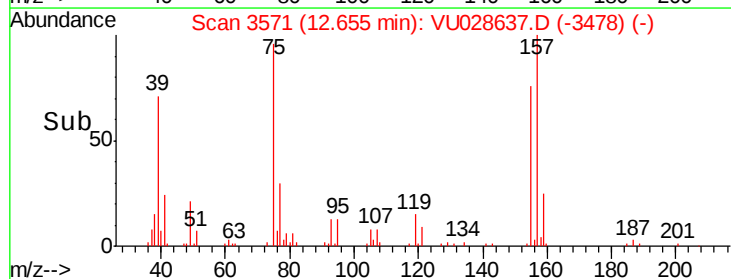
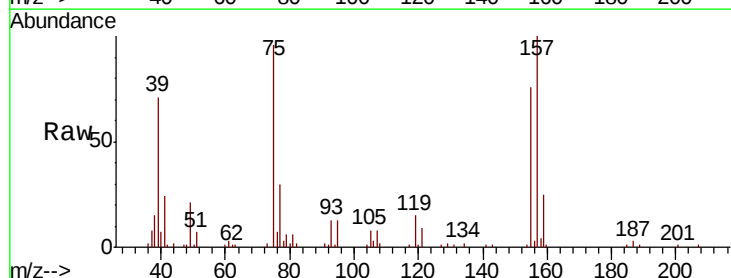
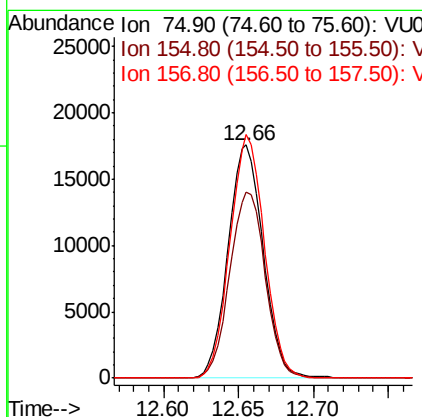
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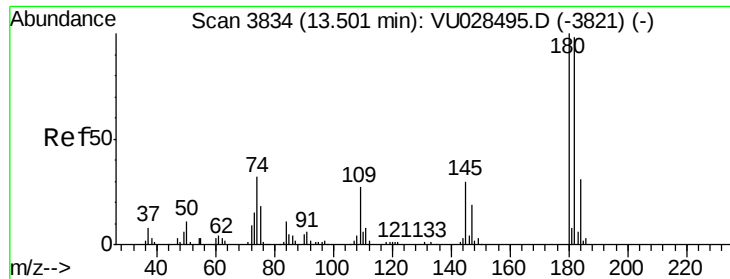
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.228 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.4	38.1	114.5
157	101.8	48.7	146.1





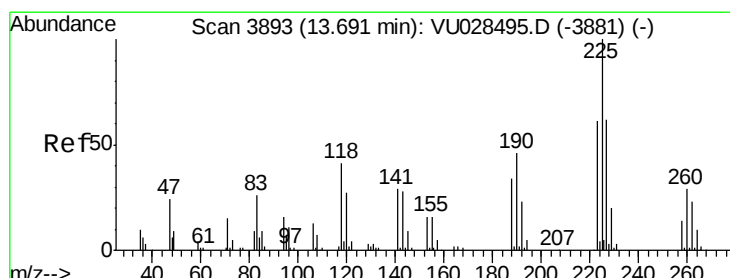
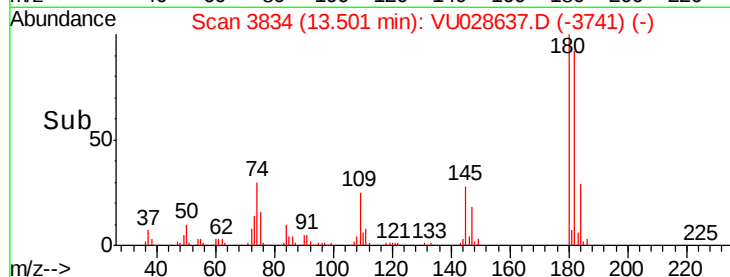
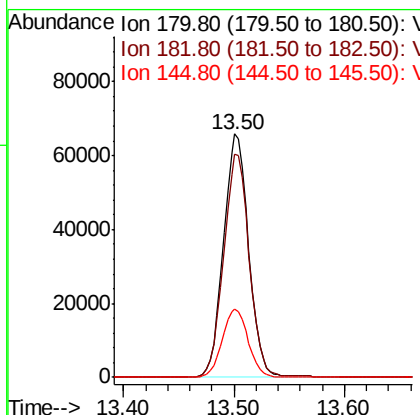
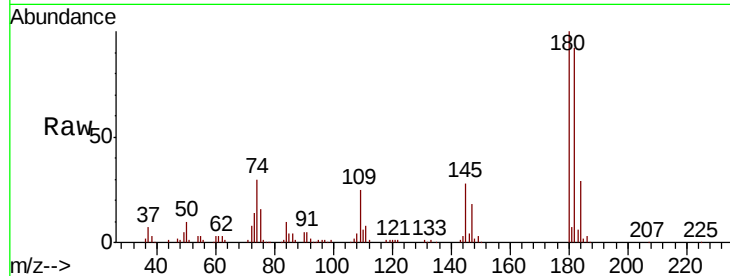
#93
 1,2,4-Trichlorobenzene
 Concen: 49.768 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.9	143.8
145	28.8	15.0	45.1

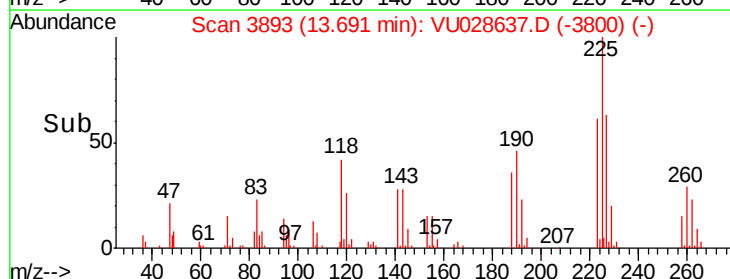
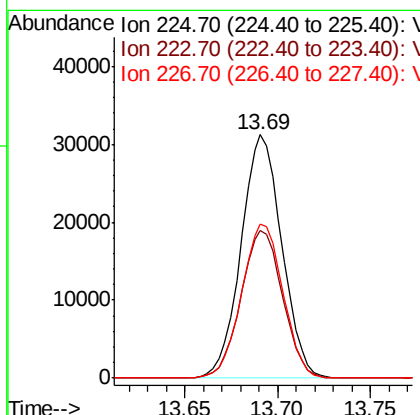
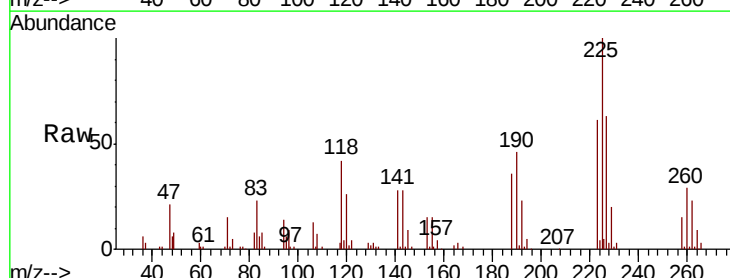
Manual Integrations
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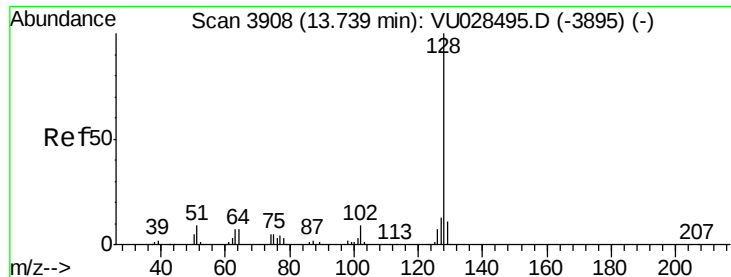
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 12/13/2018 9:29:28 AM



#94
 Hexachlorobutadiene
 Concen: 47.664 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028637.D
 Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	30.4	91.2
227	64.1	30.7	92.1





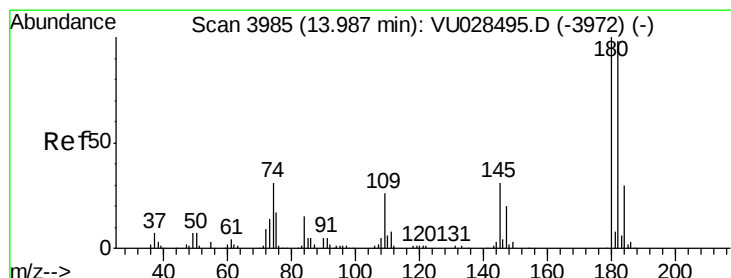
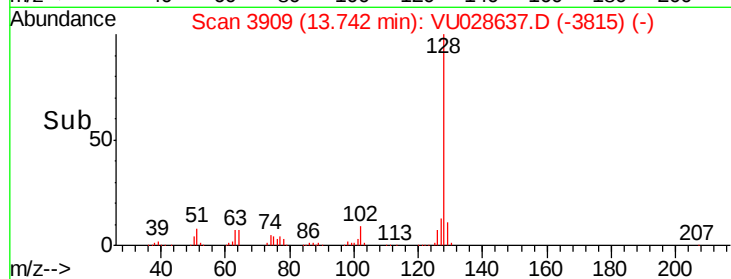
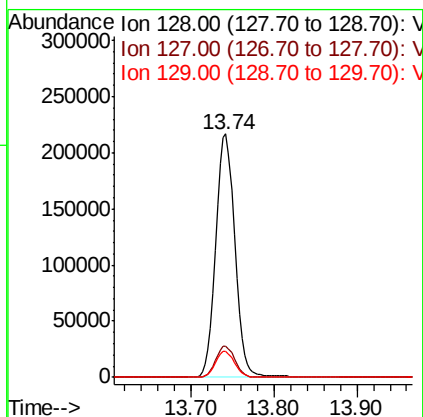
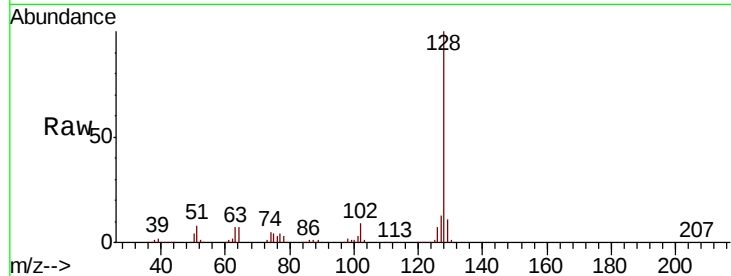
#95
Naphthalene
Concen: 47.509 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/13/2018 9:29:28 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.355 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028637.D
Acq: 12 Dec 2018 09:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.2	144.6
145	31.3	15.8	47.3

