

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028495.D
 Acq On : 06 Dec 2018 12:33
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 10:34:56 AM

Quant Time: Dec 07 00:23:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	106003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	184108	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	172641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	84864	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	77566	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	4.88	113	56782	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	7.57	98	225134	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	10.31	95	82655	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	71336	50.208	ug/l	100
3) Chloromethane	1.33	50	125322	47.976	ug/l	100
4) Vinyl Chloride	1.40	62	94024	49.877	ug/l	100
5) Bromomethane	1.62	94	35164	46.307	ug/l	100
6) Chloroethane	1.69	64	54361	50.938	ug/l	100
7) Trichlorofluoromethane	1.89	101	96460	48.635	ug/l	100
8) Diethyl Ether	2.10	74	44646	48.114	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	57879	48.795	ug/l	100
10) Methyl Iodide	2.41	142	47473	51.006	ug/l	100
11) Tert butyl alcohol	2.82	59	89697	248.874	ug/l	100
12) 1,1-Dichloroethene	2.29	96	57731	48.916	ug/l	100
13) Acrolein	2.19	56	72056	250.789	ug/l	100
14) Allyl chloride	2.59	41	132372	47.411	ug/l	100
15) Acrylonitrile	2.93	53	252194	252.039	ug/l	100
16) Acetone	2.32	43	247079	234.063	ug/l	100
17) Carbon Disulfide	2.48	76	204492	48.096	ug/l	100
18) Methyl Acetate	2.61	43	138105	50.470	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	222164	49.656	ug/l	100
20) Methylene Chloride	2.70	84	71604	46.014	ug/l	100
21) trans-1,2-Dichloroethene	2.98	96	65374	49.197	ug/l	100
22) Diisopropyl ether	3.57	45	272800	50.244	ug/l	100
23) Vinyl Acetate	3.52	43	1138251	254.159	ug/l	100
24) 1,1-Dichloroethane	3.45	63	138331	48.672	ug/l	100
25) 2-Butanone	4.26	43	363748	252.149	ug/l	100
26) 2,2-Dichloropropane	4.23	77	108739	48.286	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	74072	49.249	ug/l	100
28) Bromochloromethane	4.55	49	64705	50.080	ug/l	100
29) Tetrahydrofuran	4.64	42	236143	254.879	ug/l	100
30) Chloroform	4.67	83	122017	49.258	ug/l	100
31) Cyclohexane	5.00	56	137143	41.135	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	101742	49.454	ug/l	100
36) 1,1-Dichloropropene	5.14	75	99839	49.556	ug/l	100
37) Ethyl Acetate	4.38	43	133834	51.388	ug/l	100
38) Carbon Tetrachloride	5.14	117	79864	49.183	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	119712	48.706	ug/l	100
40) Benzene	5.39	78	296939	50.043	ug/l	100
41) Methacrylonitrile	4.54	41	73154	51.290	ug/l	100
42) 1,2-Dichloroethane	5.40	62	103279	49.725	ug/l	100
43) Isopropyl Acetate	5.55	43	210859	51.188	ug/l	100
44) Trichloroethene	6.19	130	64427	48.833	ug/l	100
45) 1,2-Dichloropropane	6.43	63	86110	51.607	ug/l	100
46) Dibromomethane	6.56	93	49809	50.311	ug/l	100
47) Bromodichloromethane	6.76	83	95722	49.686	ug/l	100
48) Methyl methacrylate	6.62	41	106398	51.938	ug/l	100
49) 1,4-Dioxane	6.61	88	32737	1012.088	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	659512	253.843	ug/l	100
52) Toluene	7.64	92	176652	50.586	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	115975	50.546	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	125546	50.434	ug/l	100
55) 1,1,2-Trichloroethane	8.06	97	71164	51.554	ug/l	100
56) Ethyl methacrylate	8.02	69	122684	51.900	ug/l	100
57) 1,3-Dichloropropane	8.24	76	127317	49.686	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	307743	254.171	ug/l	100
59) 2-Hexanone	8.36	43	517384	251.245	ug/l	100
60) Dibromochloromethane	8.48	129	66681	49.339	ug/l	100
61) 1,2-Dibromoethane	8.58	107	74437	51.422	ug/l	100
64) Tetrachloroethene	8.23	164	56050	48.673	ug/l	100
65) Chlorobenzene	9.12	112	181067	49.219	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	60091	51.152	ug/l	100
67) Ethyl Benzene	9.25	91	336274	49.724	ug/l	100
68) m/p-Xylenes	9.37	106	250420	101.763	ug/l	100
69) o-Xylene	9.78	106	120770	50.501	ug/l	100
70) Styrene	9.79	104	199231	50.341	ug/l	100
71) Bromoform	9.96	173	51322	51.355	ug/l #	100
73) Isopropylbenzene	10.16	105	318569	48.921	ug/l	100
74) N-amyl acetate	10.01	43	186346	49.609	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	124910	49.934	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	110041m	44.946	ug/l	
77) Bromobenzene	10.45	156	75438	49.533	ug/l	100
78) n-propylbenzene	10.58	91	399454	49.366	ug/l	100
79) 2-Chlorotoluene	10.66	91	230923	49.544	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	269564	50.008	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	40332m	33.310	ug/l	
82) 4-Chlorotoluene	10.77	91	268158	48.550	ug/l	100
83) tert-Butylbenzene	11.10	119	256466	49.362	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	276303	49.738	ug/l	100
85) sec-Butylbenzene	11.32	105	332535	49.821	ug/l	100
86) p-Isopropyltoluene	11.48	119	280031	49.389	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	139074	48.361	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	140630	47.266	ug/l	100
89) n-Butylbenzene	11.89	91	285413	49.739	ug/l	100
90) Hexachloroethane	12.14	117	42511	49.605	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	138487	48.143	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27693	51.135	ug/l	100

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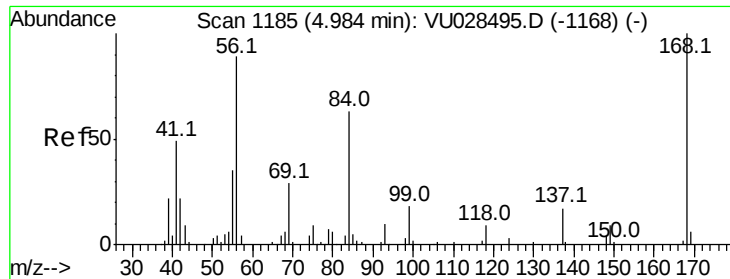
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	96153	46.623	ug/l	100
94) Hexachlorobutadiene	13.69	225	44804	47.549	ug/l	100
95) Naphthalene	13.74	128	334878	48.514	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	97869	47.169	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 106003

Ion Ratio Lower Upper

168 100

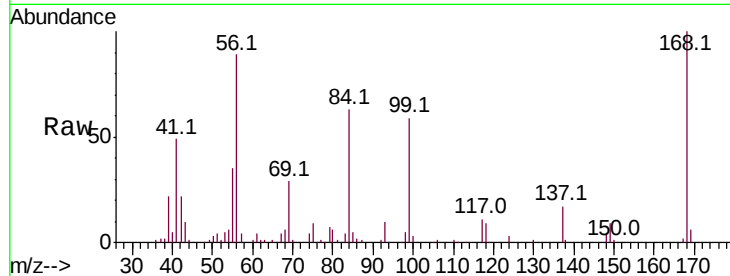
99 58.2 46.6 69.8

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

50000

40000

30000

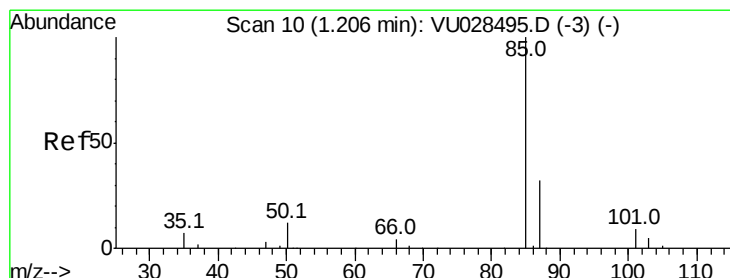
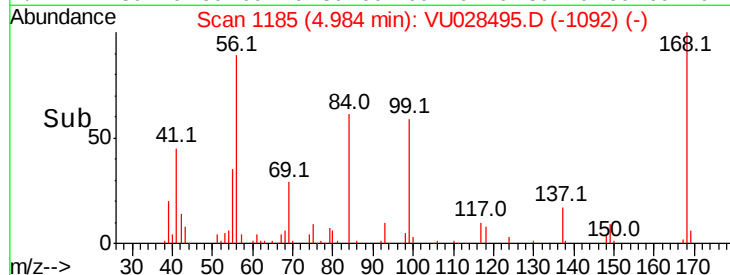
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 50.208 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028495.D

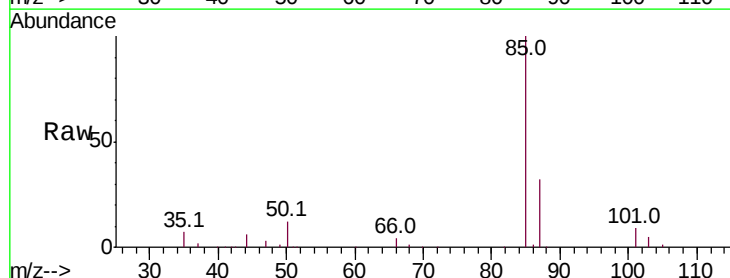
Acq: 06 Dec 2018 12:33

Tgt Ion: 85 Resp: 71336

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



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

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

1.21

80000

60000

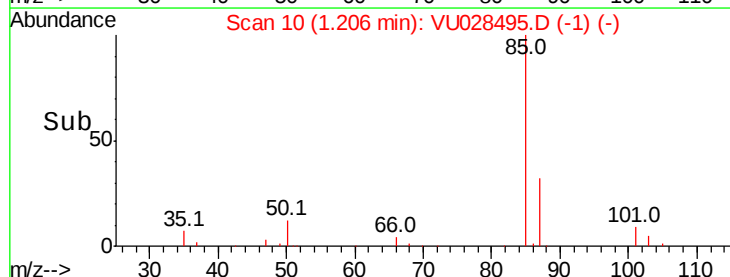
40000

20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 47.976 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 125322

Ion Ratio Lower Upper

50 100

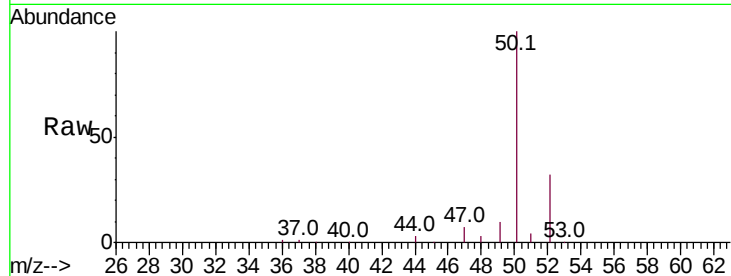
52 31.9 25.5 38.3

Manual Integrations

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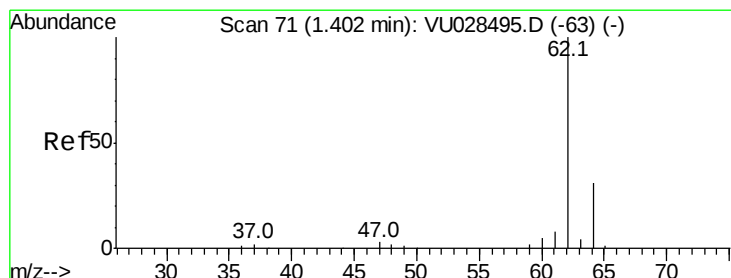
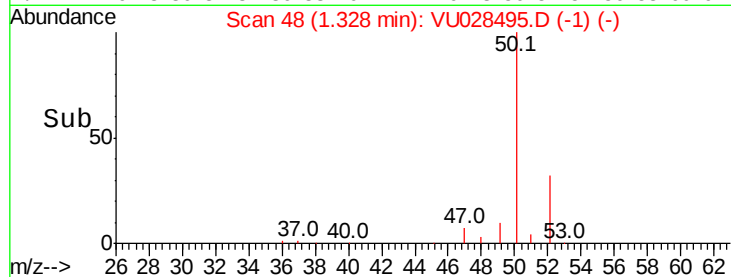
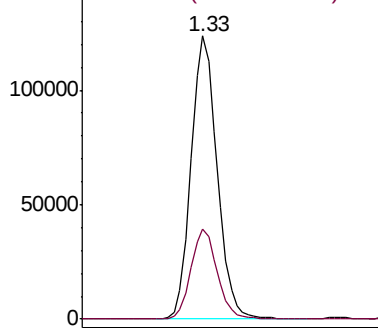
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 49.877 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028495.D

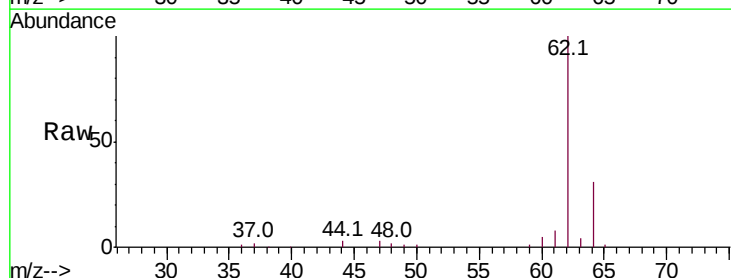
Acq: 06 Dec 2018 12:33

Tgt Ion: 62 Resp: 94024

Ion Ratio Lower Upper

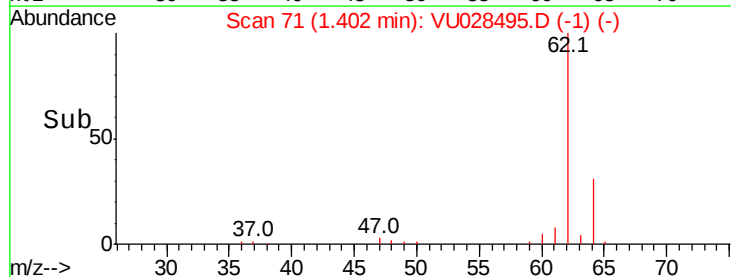
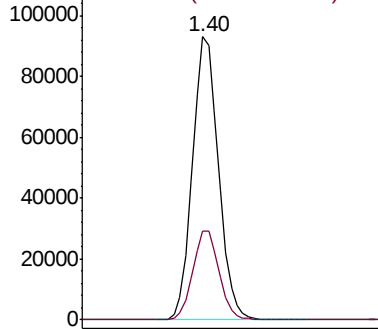
62 100

64 31.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





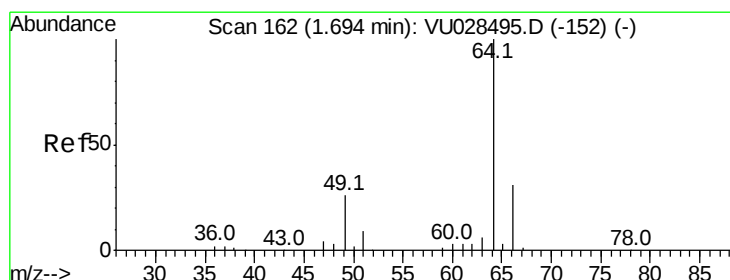
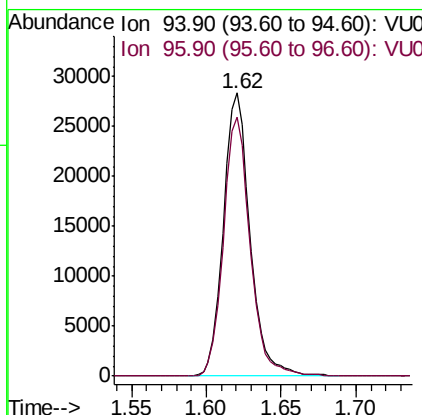
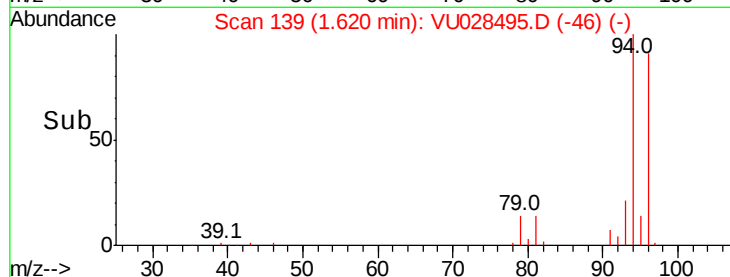
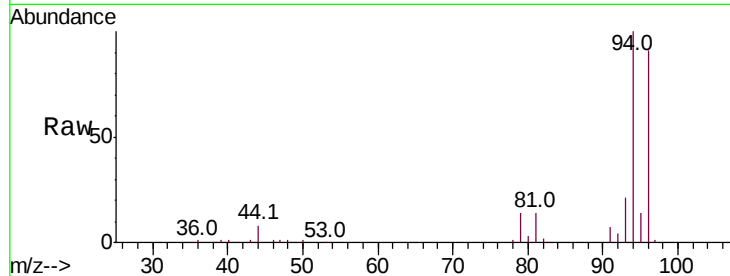
#5
Bromomethane
Concen: 46.307 ug/l
RT: 1.62 min Scan# 139
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 94 Resp: 35164
Ion Ratio Lower Upper
94 100
96 91.5 73.2 109.8

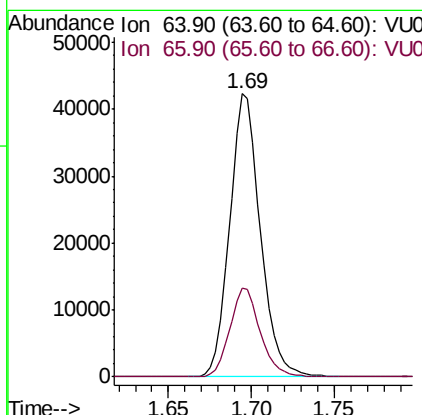
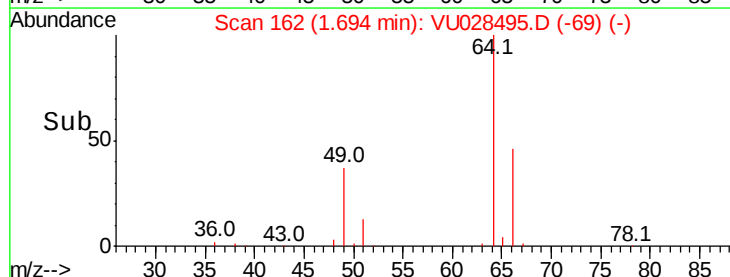
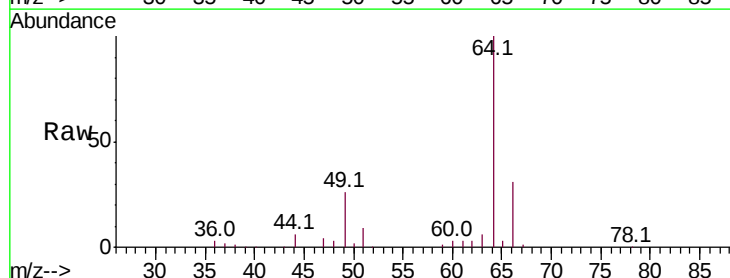
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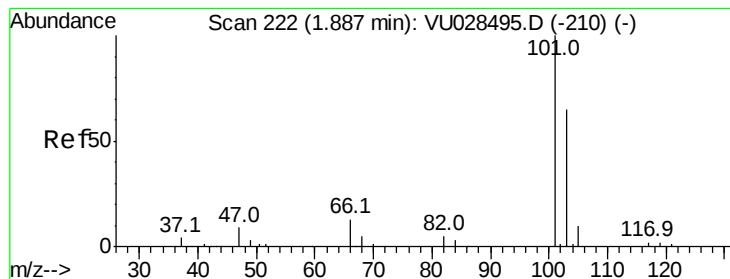
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#6
Chloroethane
Concen: 50.938 ug/l
RT: 1.69 min Scan# 162
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion: 64 Resp: 54361
Ion Ratio Lower Upper
64 100
66 31.3 25.0 37.6





#7

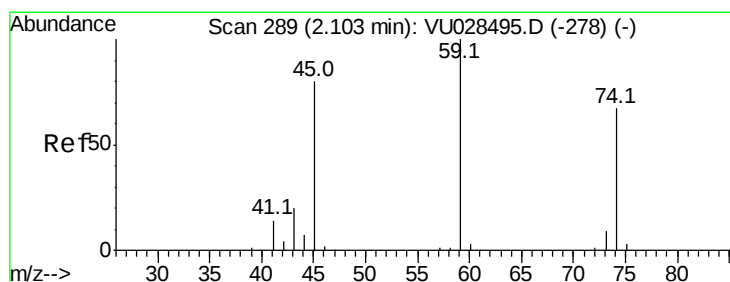
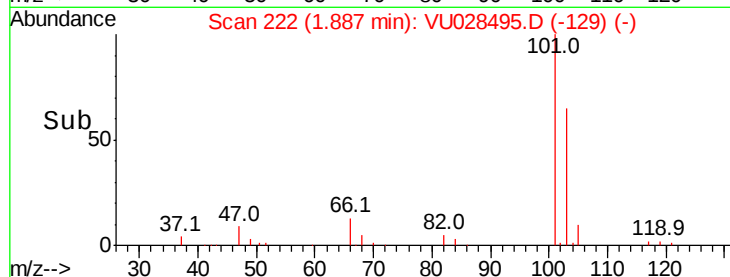
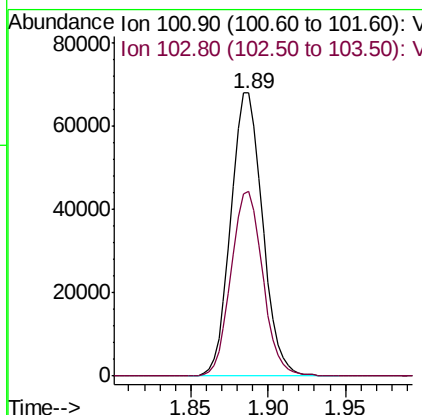
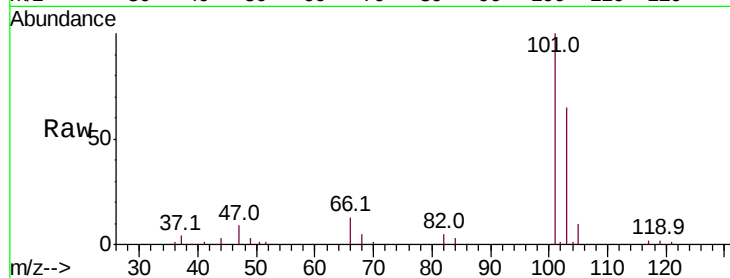
Trichlorofluoromethane
Concen: 48.635 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.3	78.5

Manual Integrations
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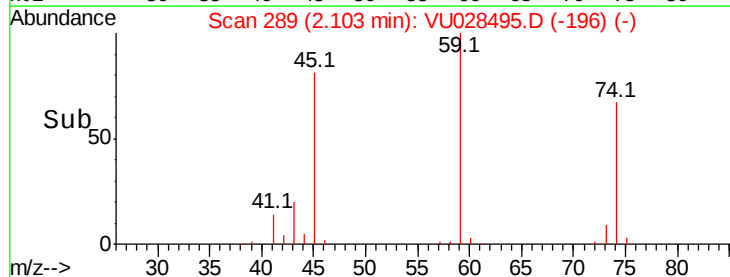
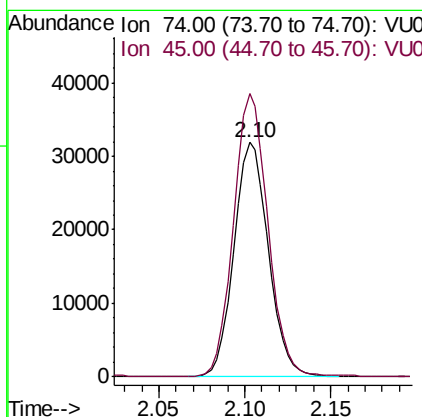
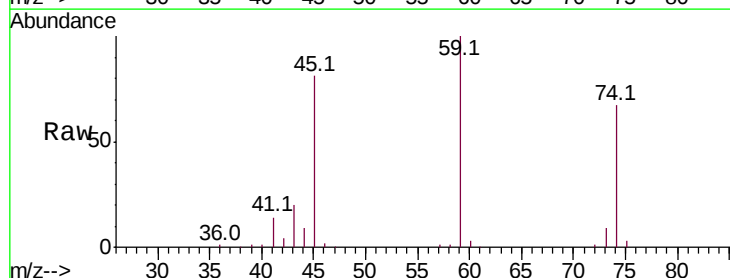
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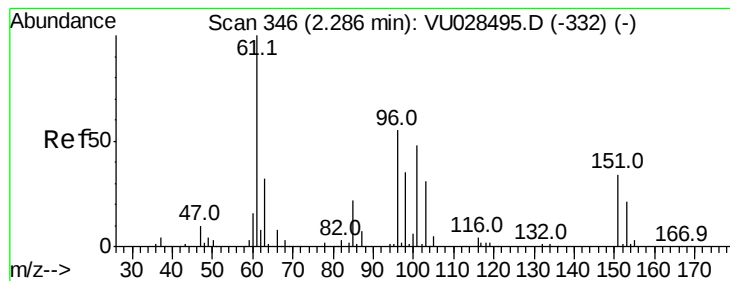


#8

Diethyl Ether
Concen: 48.114 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.3	59.7	179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.795 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:101 Resp: 57879

Ion Ratio Lower Upper

101 100

85 45.5 36.4 54.6

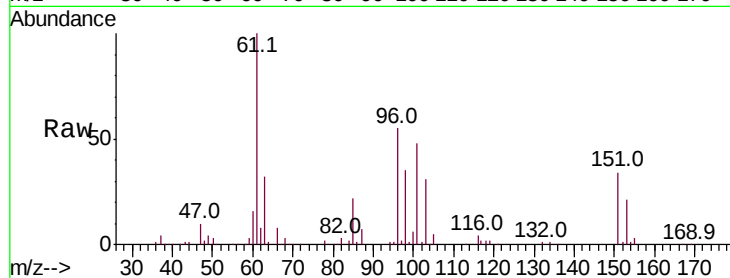
151 72.7 58.2 87.2

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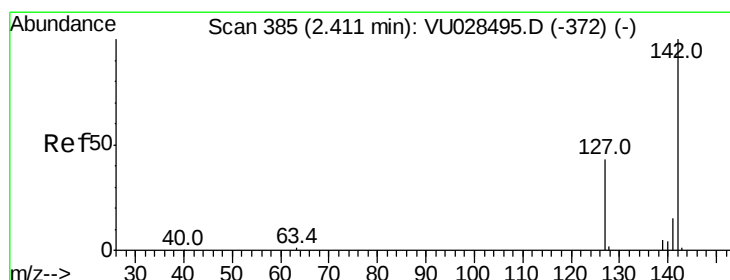
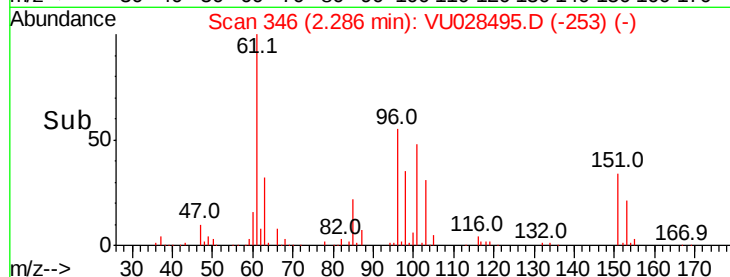
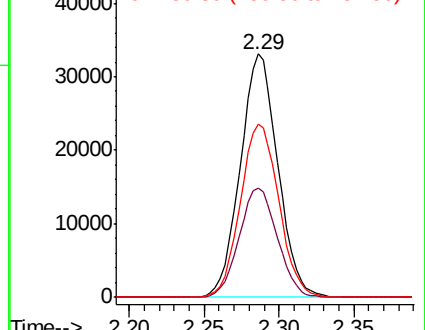
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.006 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

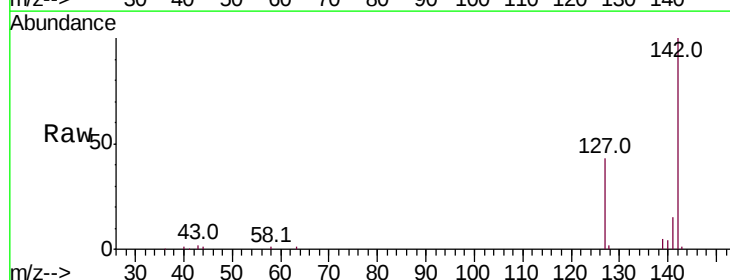
Tgt Ion:142 Resp: 47473

Ion Ratio Lower Upper

142 100

127 41.9 33.5 50.3

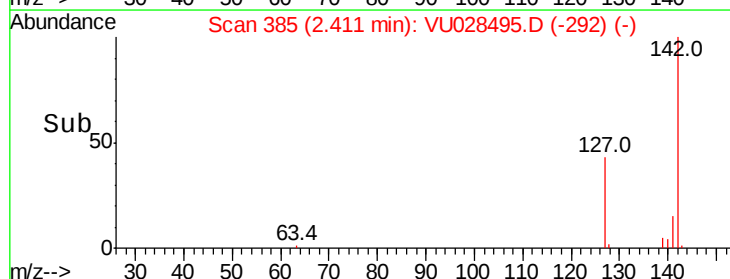
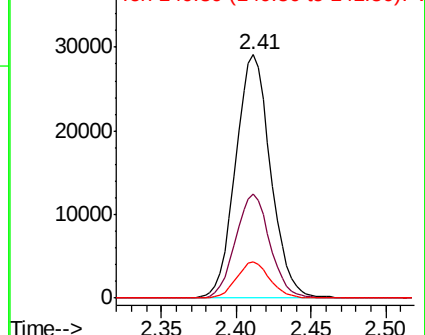
141 14.0 11.2 16.8

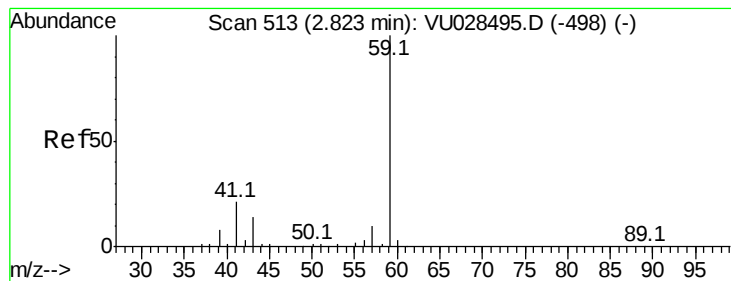


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

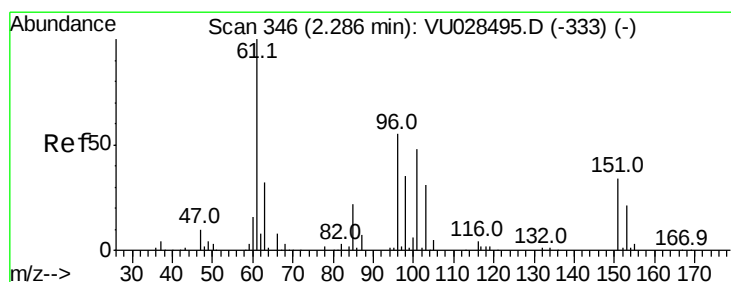
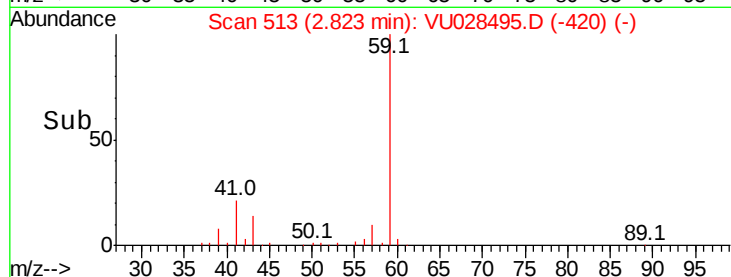
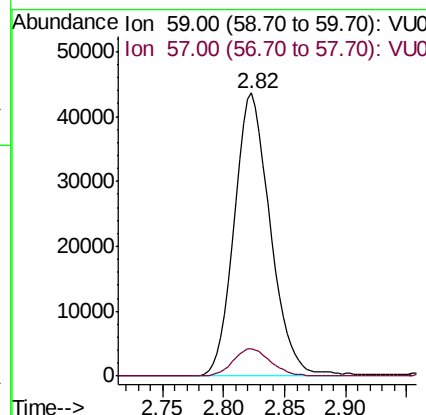
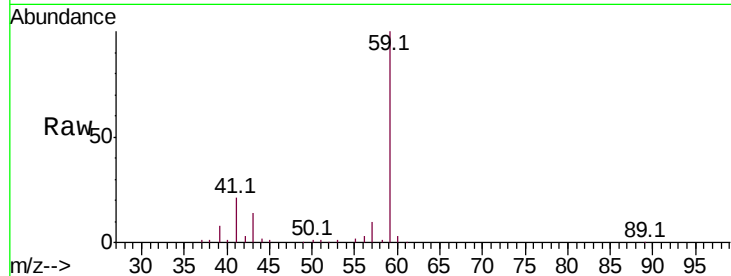
Tert butyl alcohol
 Concen: 248.874 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

Manual Integrations
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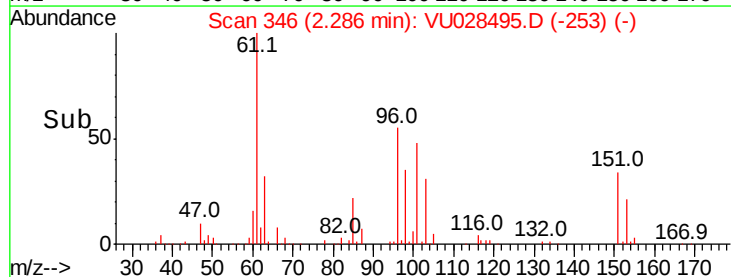
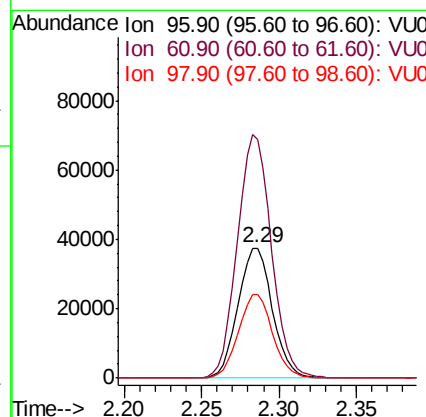
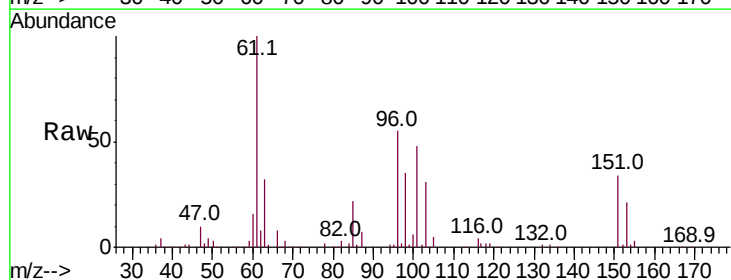
MMDadoda
 12/7/2018 10:34:56 AM

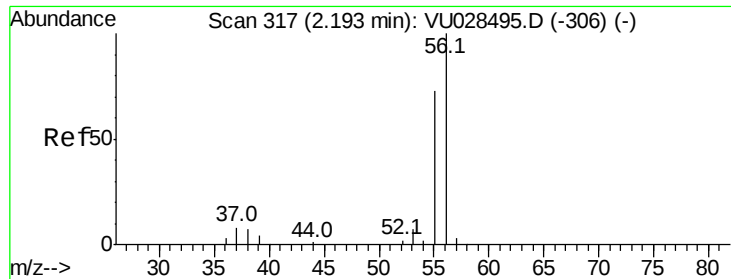


#12

1,1-Dichloroethene
 Concen: 48.916 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.0	146.4	219.6
98	64.8	51.8	77.8





#13

Acrolein

Concen: 250.789 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 72056

Ion Ratio Lower Upper

56 100

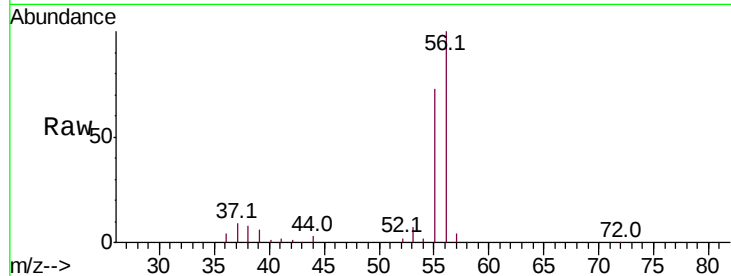
55 71.9 57.5 86.3

Manual Integrations

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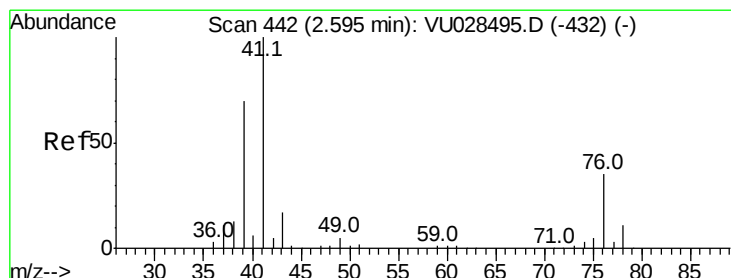
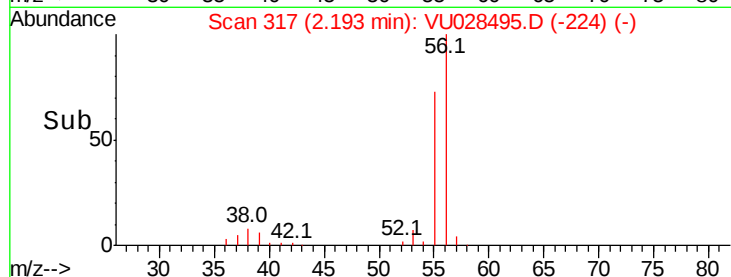
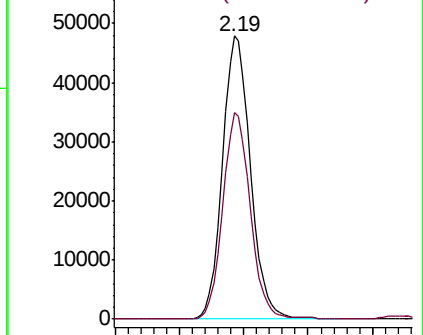
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 47.411 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

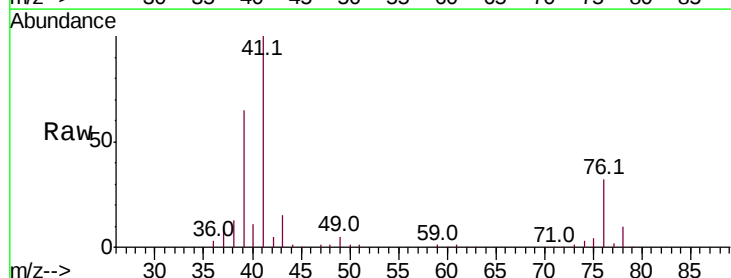
Tgt Ion: 41 Resp: 132372

Ion Ratio Lower Upper

41 100

39 63.5 50.8 76.2

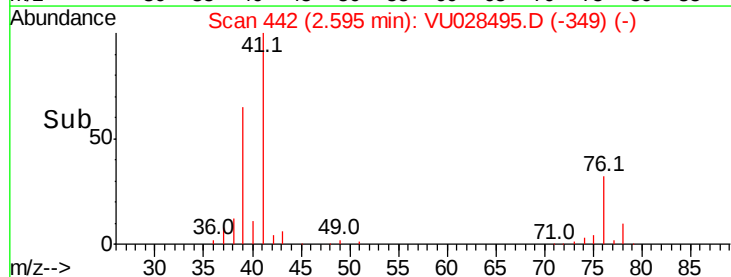
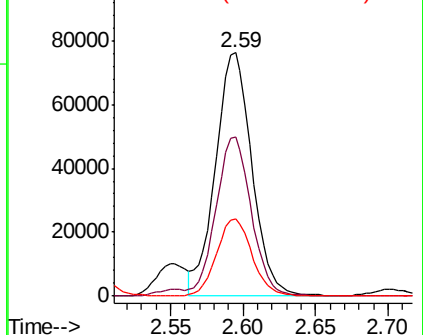
76 31.0 24.8 37.2

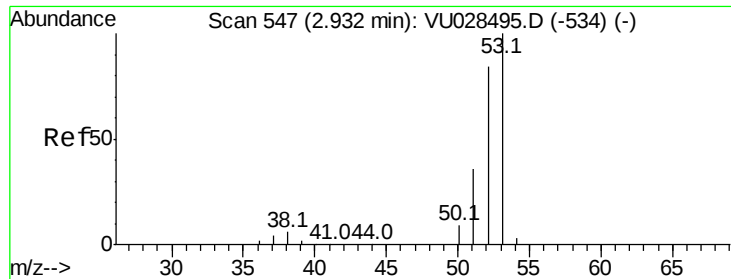


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 252.039 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

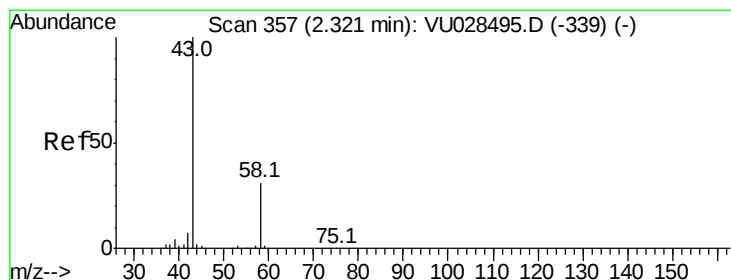
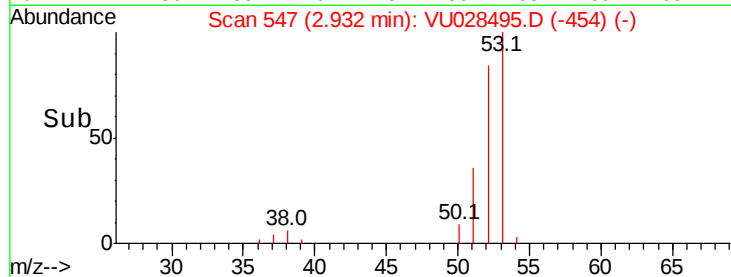
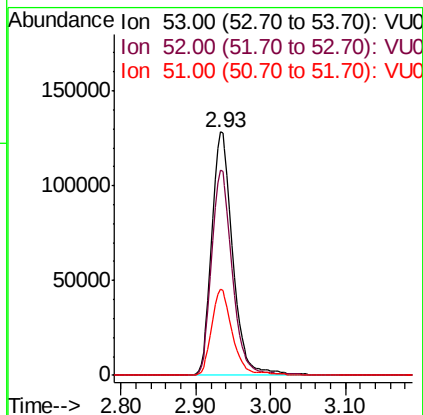
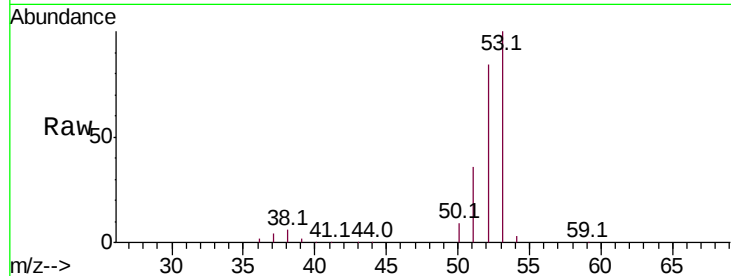
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	252194
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.1	99.1
51	35.1	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 234.063 ug/l

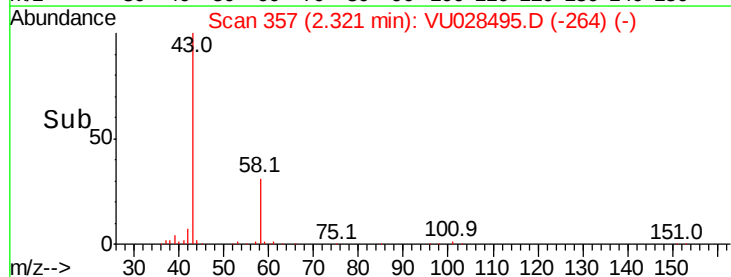
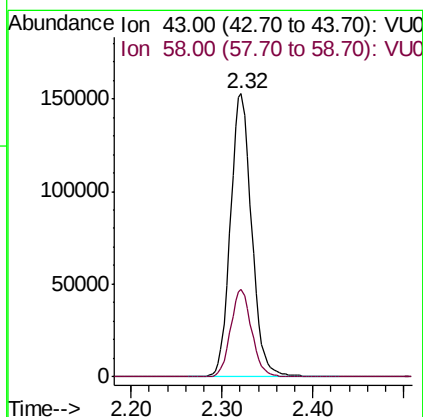
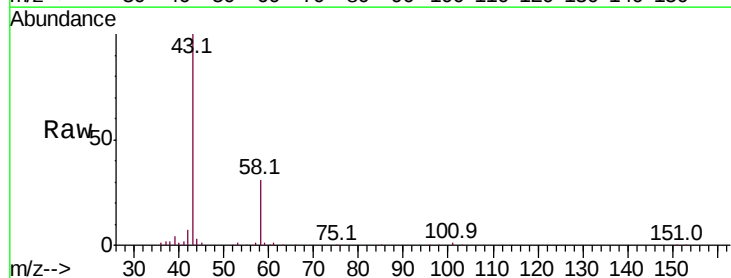
RT: 2.32 min Scan# 357

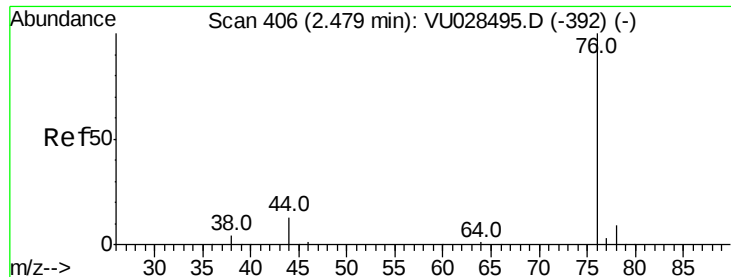
Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Tgt Ion:	43	Resp:	247079
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.6	37.0





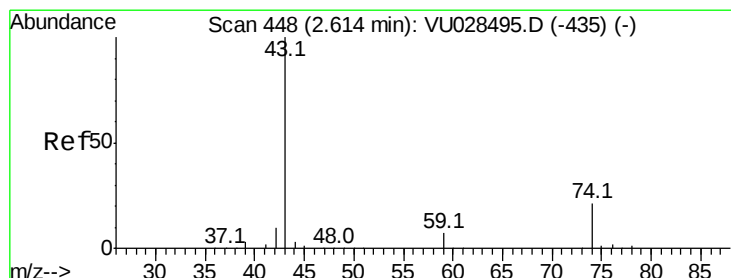
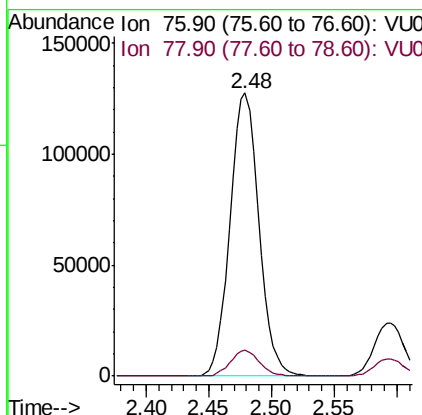
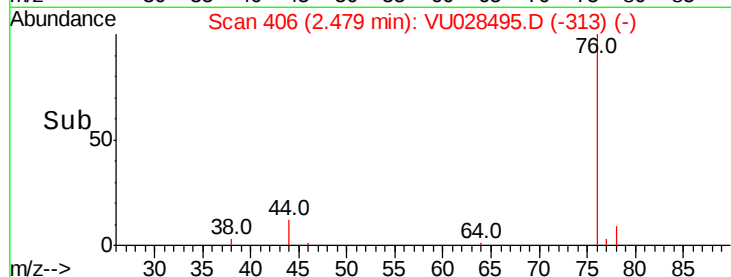
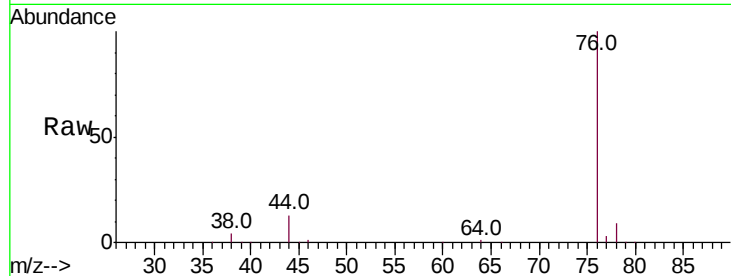
#17
Carbon Disulfide
Concen: 48.096 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 204492
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

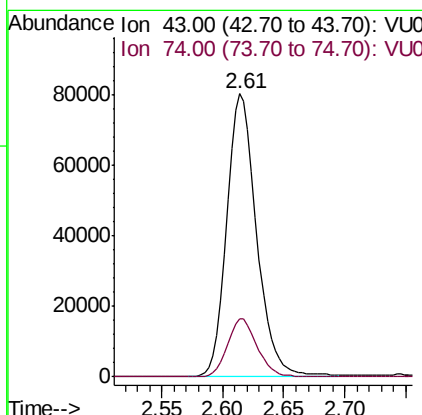
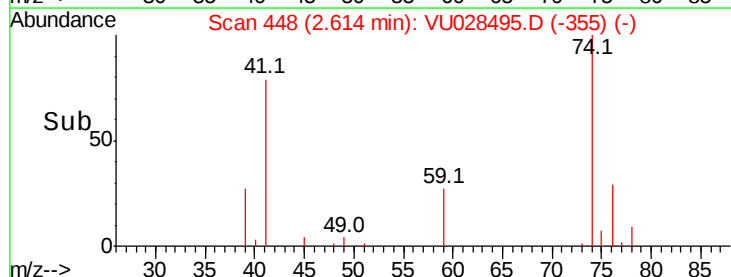
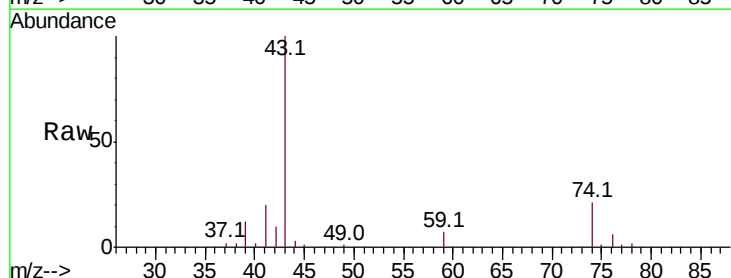
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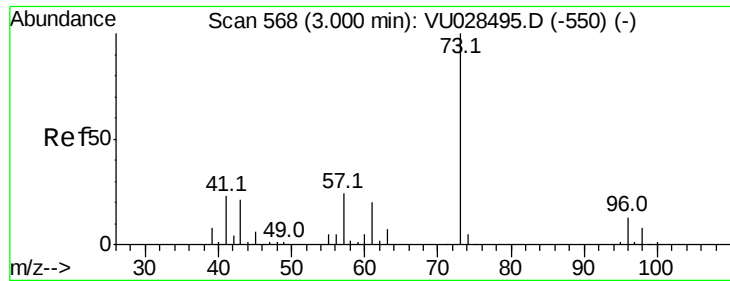
MMDadoda
12/7/2018 10:34:56 AM



#18
Methyl Acetate
Concen: 50.470 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion: 43 Resp: 138105
Ion Ratio Lower Upper
43 100
74 20.5 16.4 24.6





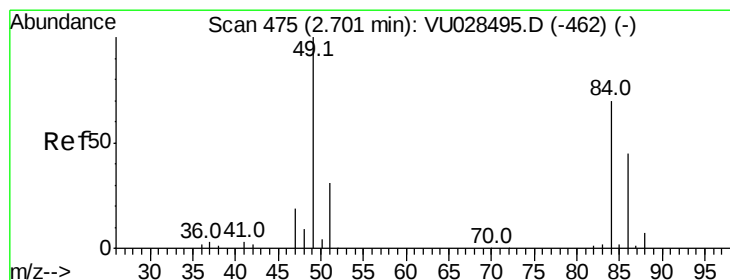
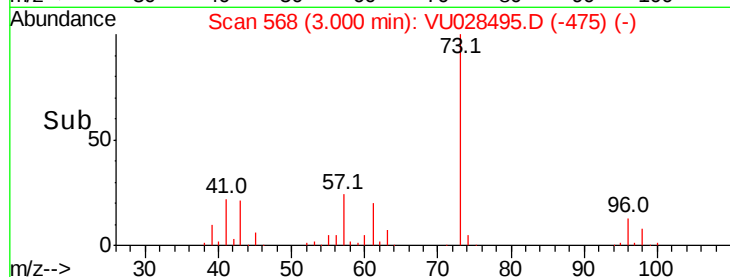
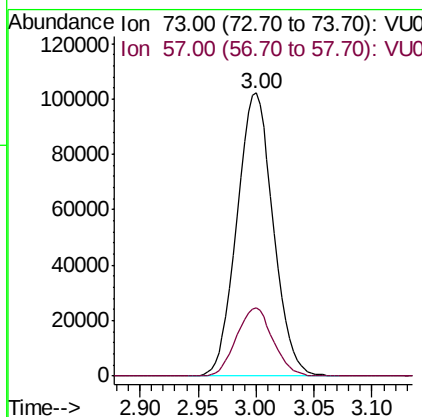
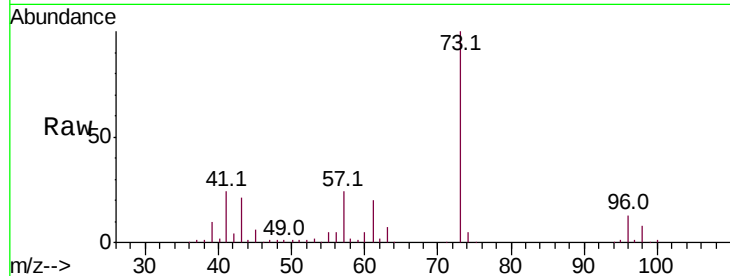
#19
Methyl tert-butyl Ether
Concen: 49.656 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 222164
Ion Ratio Lower Upper
73 100
57 24.3 19.4 29.2

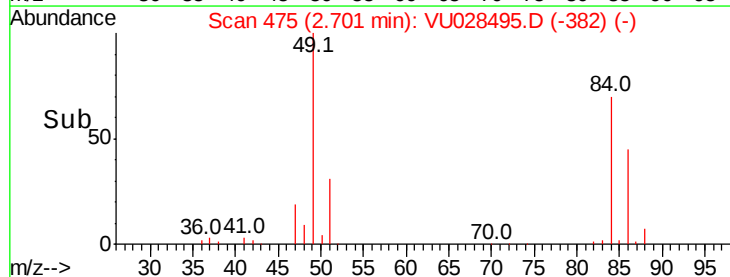
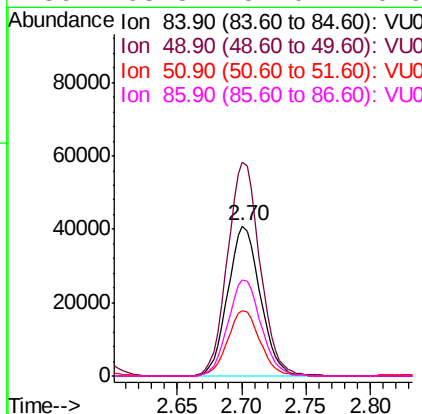
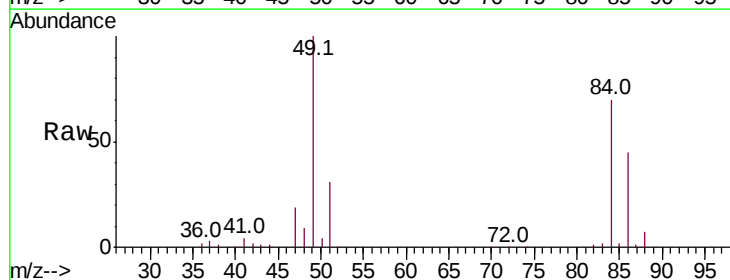
Manual Integrations
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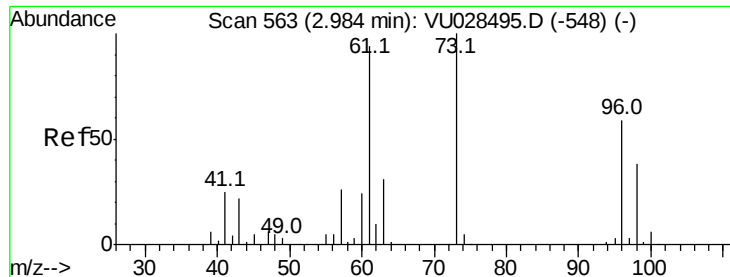
MMDadoda
12/7/2018 10:34:56 AM



#20
Methylene Chloride
Concen: 46.014 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion: 84 Resp: 71604
Ion Ratio Lower Upper
84 100
49 142.5 114.0 171.0
51 43.9 35.1 52.7
86 63.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.197 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 65374

Ion Ratio Lower Upper

96 100

61 158.7 127.0 190.4

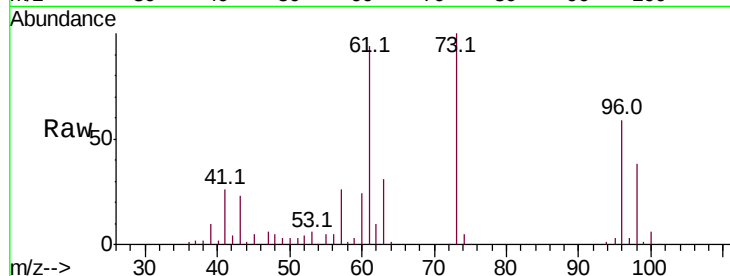
98 64.9 51.9 77.9

Manual Integrations

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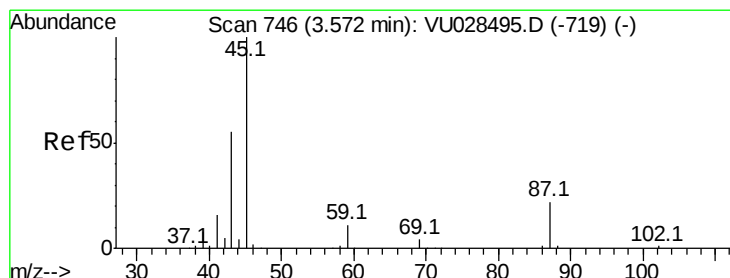
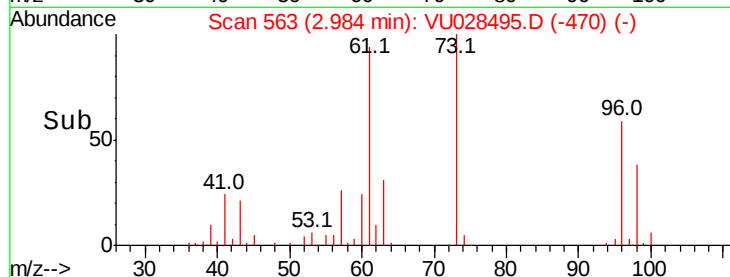
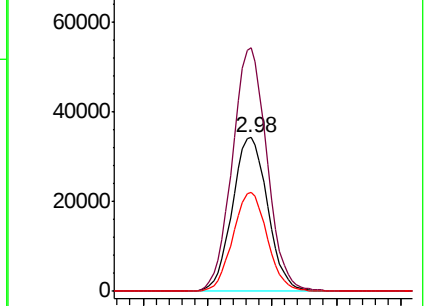
12/7/2018 10:34:56 AM



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: 50.244 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Tgt Ion: 45 Resp: 272800

Ion Ratio Lower Upper

45 100

43 56.6 45.3 67.9

87 22.0 17.6 26.4

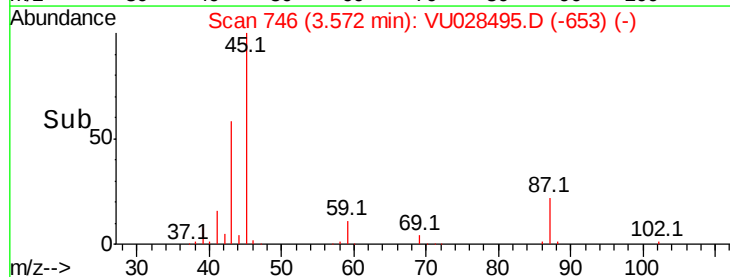
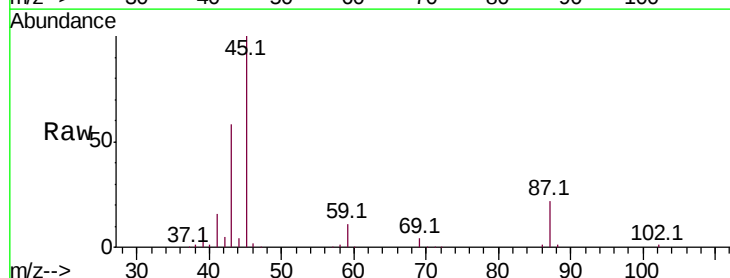
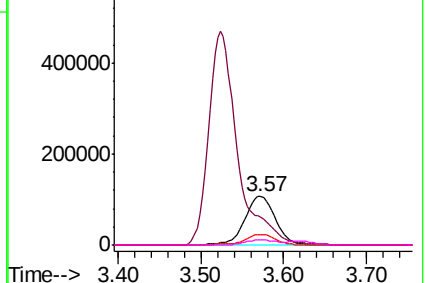
59 11.0 8.8 13.2

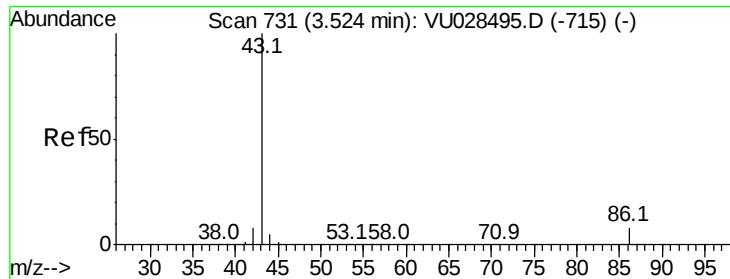
Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 254.159 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1138251

Ion Ratio Lower Upper

43 100

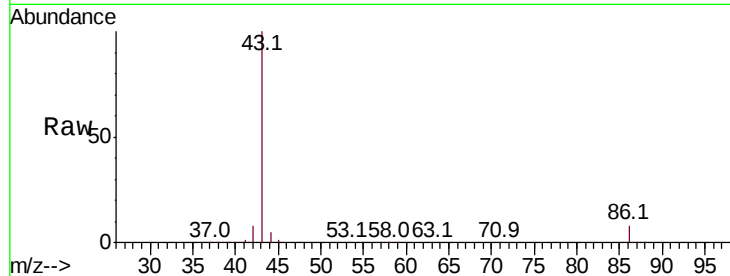
86 8.5 6.8 10.2

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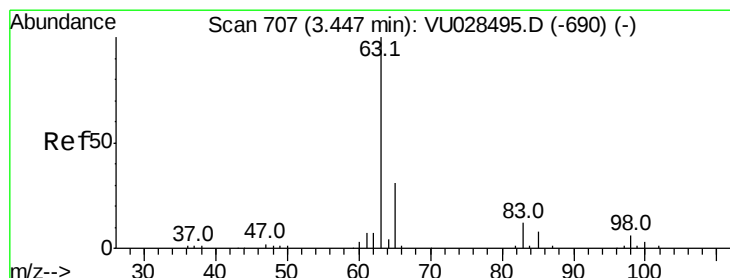
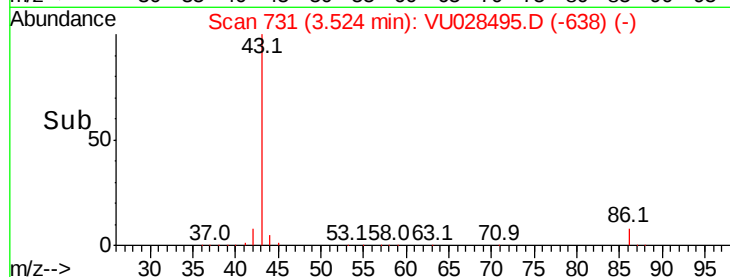
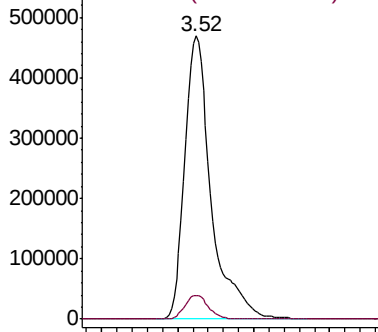
MMDadoda

12/7/2018 10:34:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 48.672 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

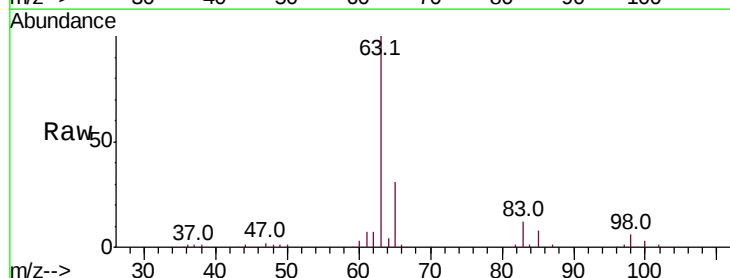
Tgt Ion: 63 Resp: 138331

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

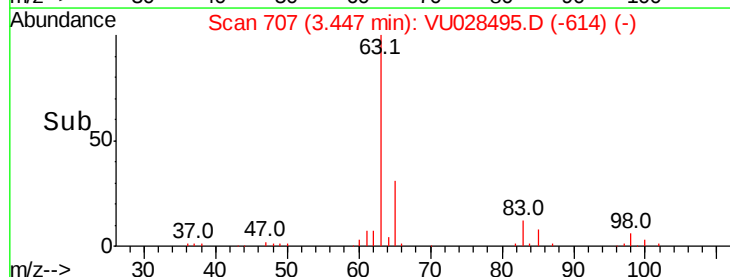
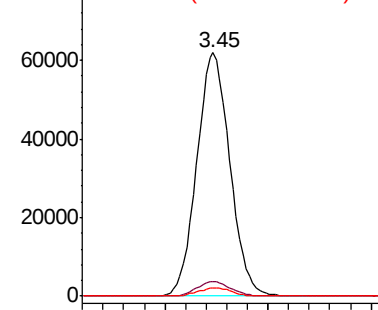
100 3.4 1.7 5.1

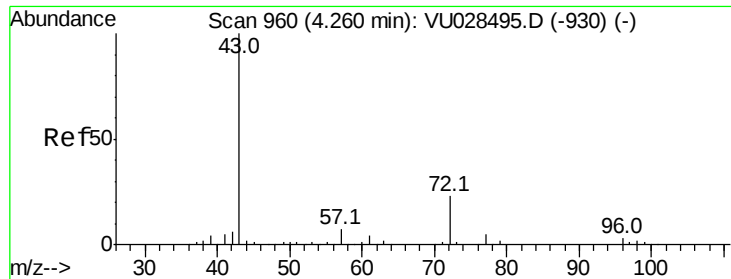


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 252.149 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 363748

Ion Ratio Lower Upper

43 100

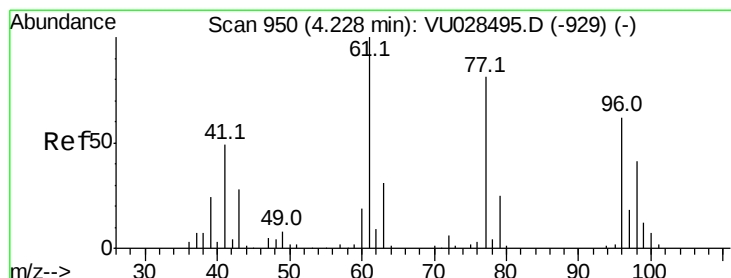
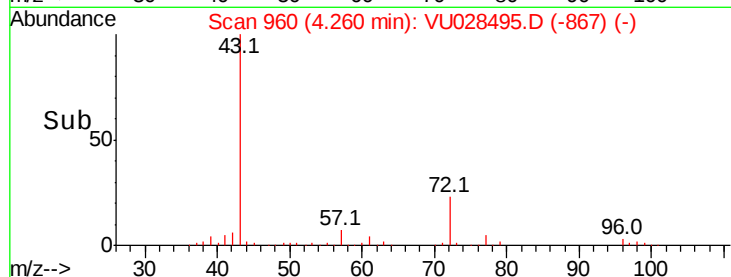
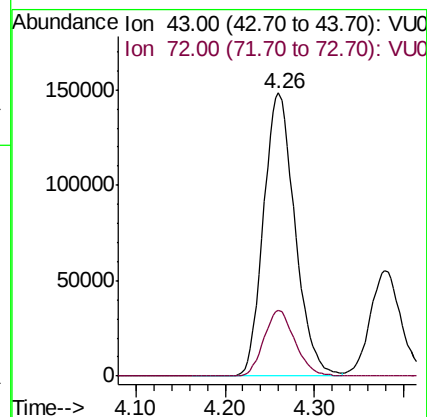
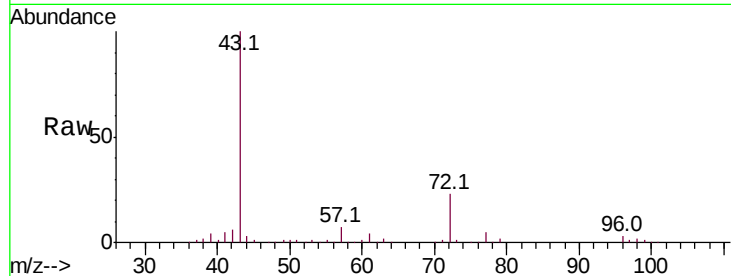
72 23.3 18.6 28.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.286 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028495.D

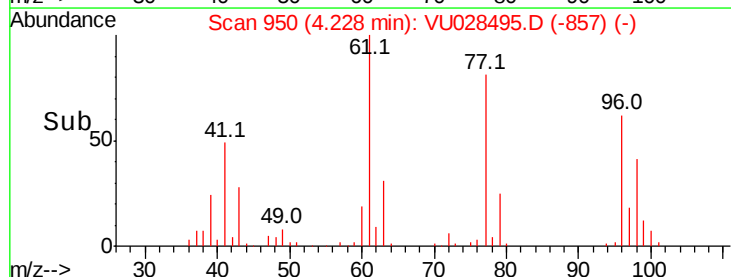
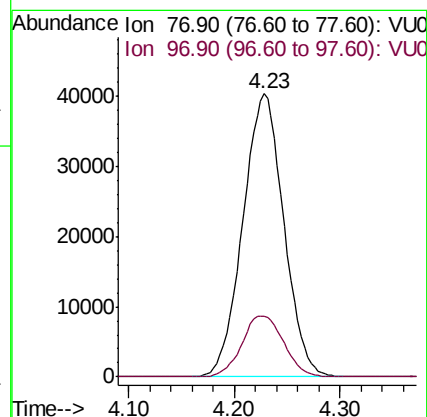
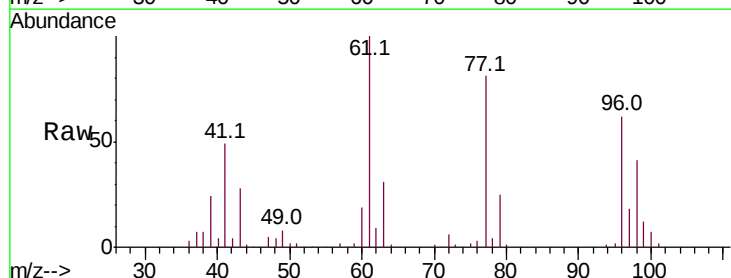
Acq: 06 Dec 2018 12:33

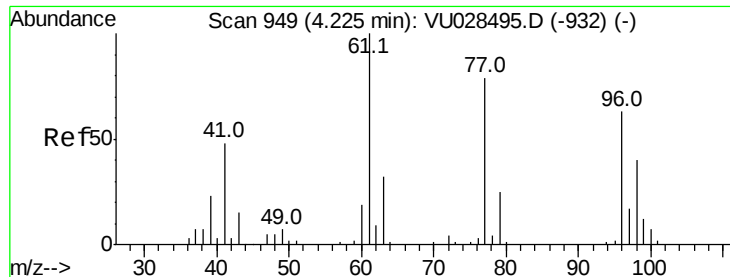
Tgt Ion: 77 Resp: 108739

Ion Ratio Lower Upper

77 100

97 22.0 11.0 33.0





#27

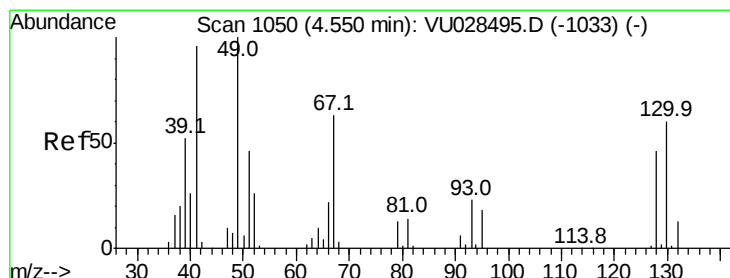
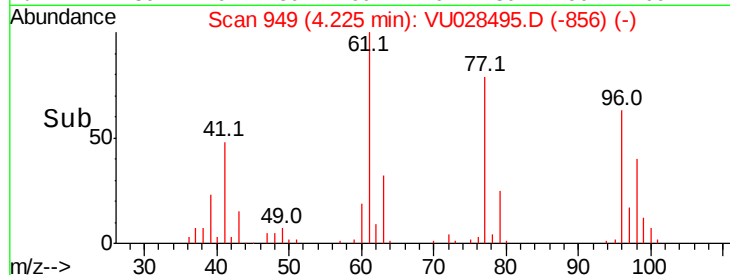
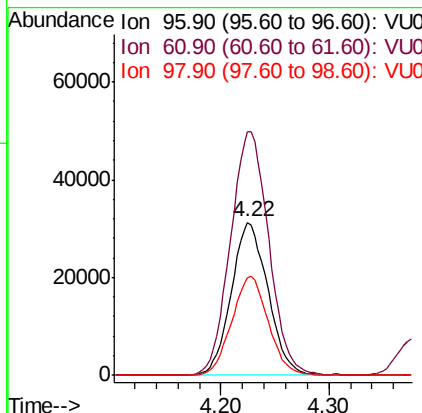
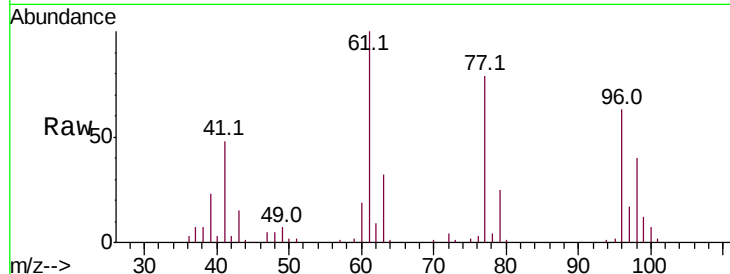
cis-1,2-Dichloroethene
Concen: 49.249 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.2	0.0	332.4
98	64.5	0.0	129.0

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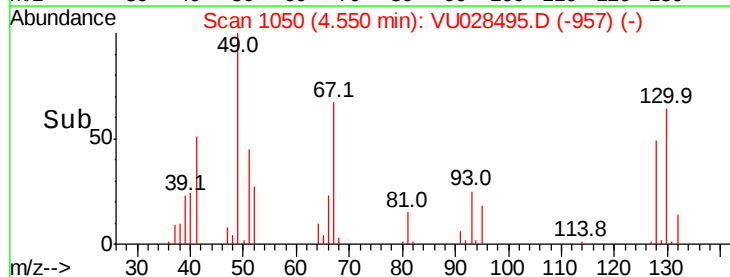
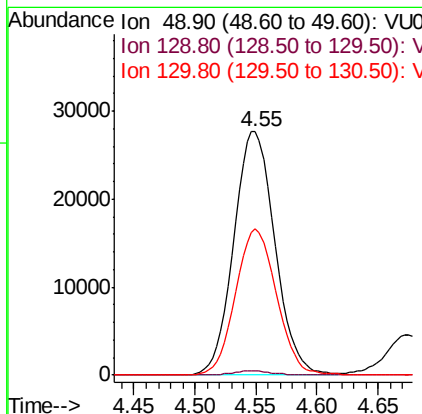
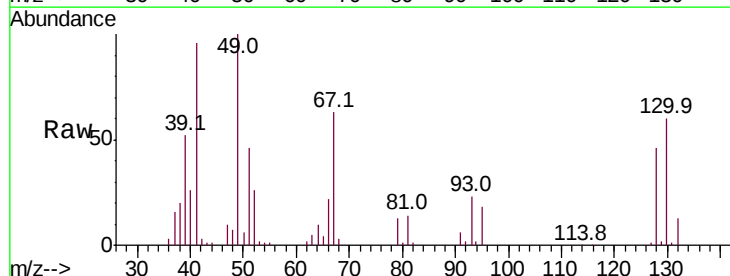
MMDadoda
12/7/2018 10:34:56 AM

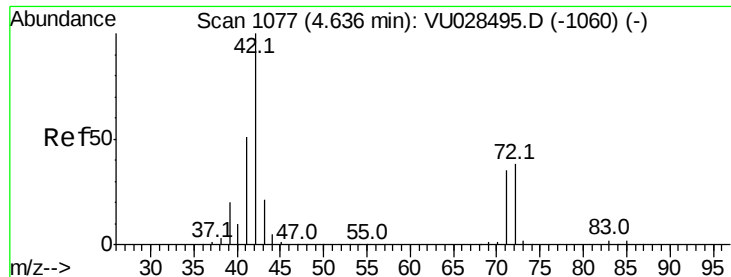


#28

Bromochloromethane
Concen: 50.080 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	59.8	47.8	71.8





#29

Tetrahydrofuran

Concen: 254.879 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

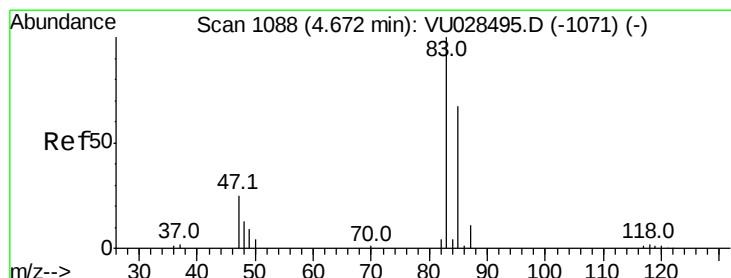
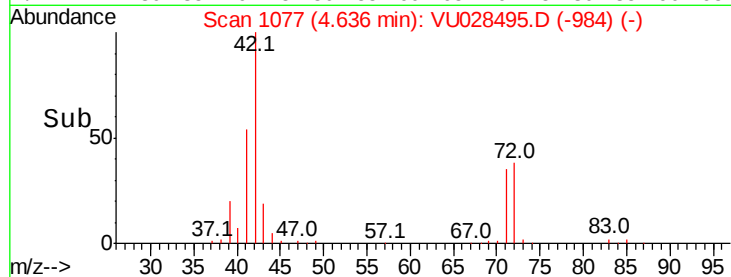
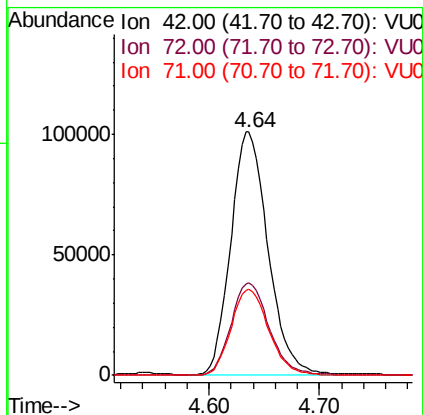
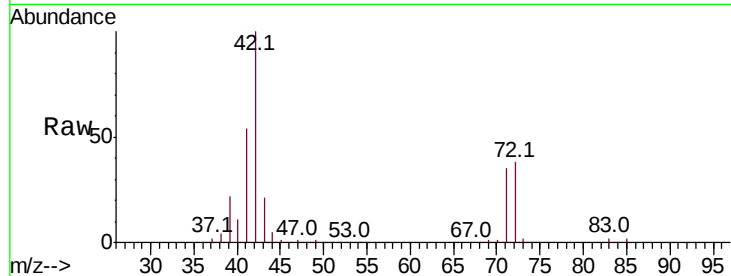
ClientSampleId :

VSTDICCC050

Tot Ion:	42	Resp:	236143
Ion	Ratio	Lower	Upper
42	100		
72	39.2	31.4	47.0
71	35.8	28.6	43.0

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#30

Chloroform

Concen: 49.258 ug/l

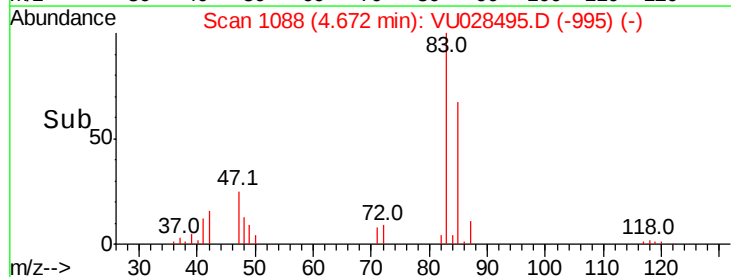
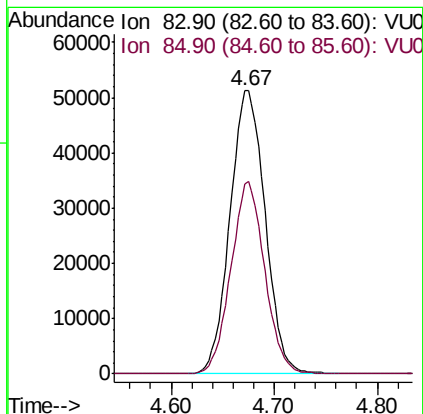
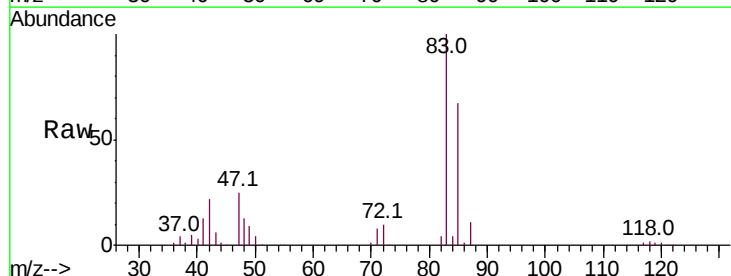
RT: 4.67 min Scan# 1088

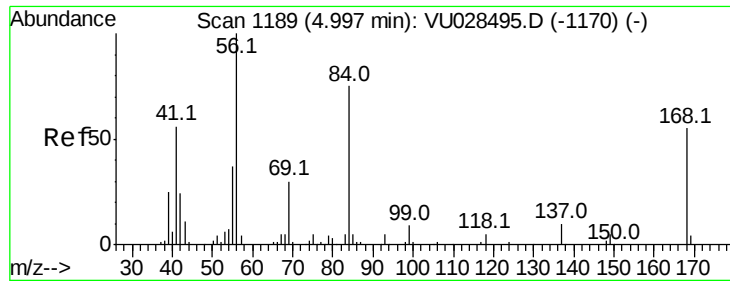
Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Tgt Ion:	83	Resp:	122017
Ion	Ratio	Lower	Upper
83	100		
85	67.0	53.6	80.4





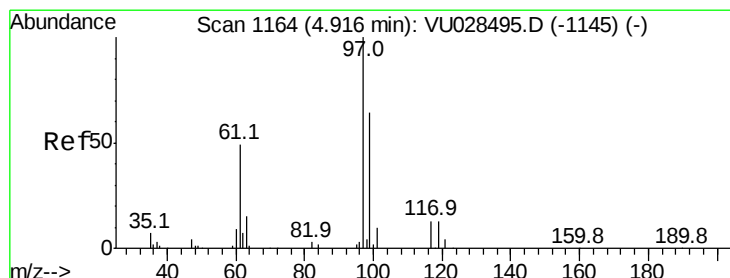
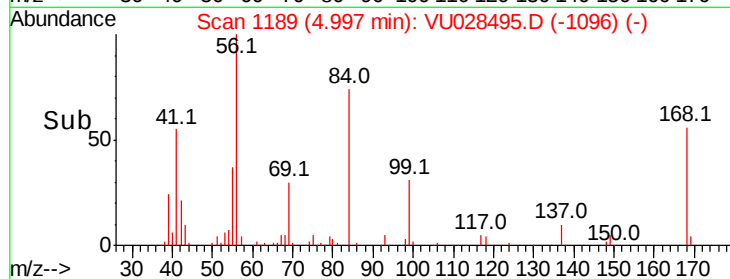
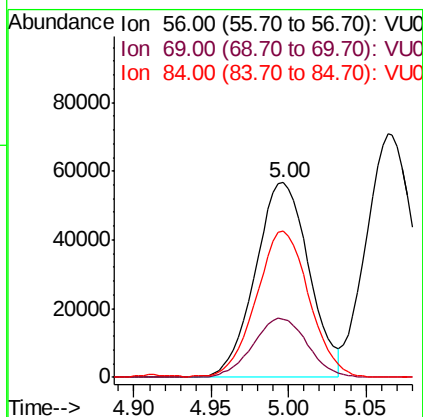
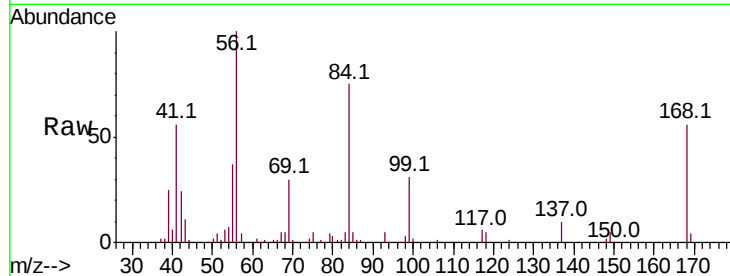
#31
Cyclohexane
Concen: 41.135 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.0	36.0
84	74.6	59.7	89.5

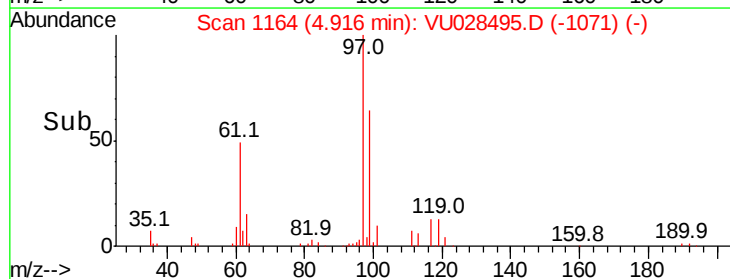
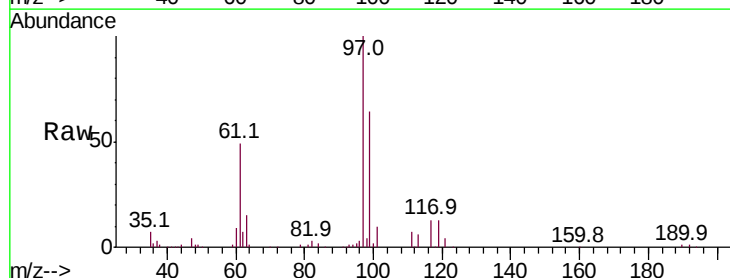
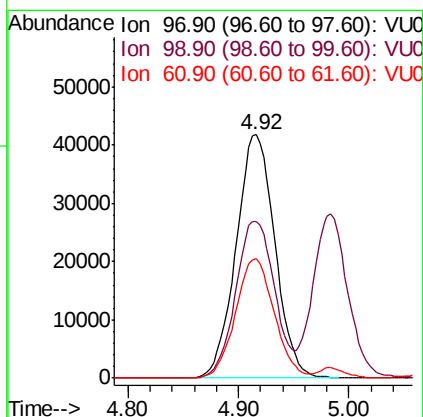
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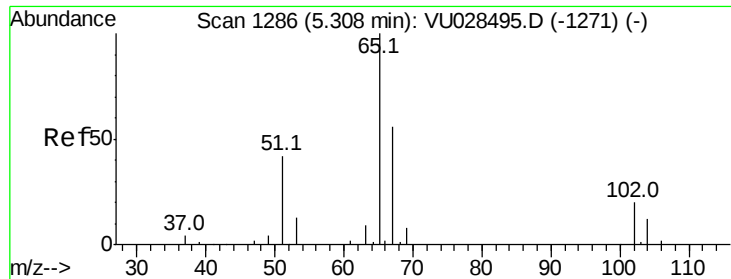
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#32
1,1,1-Trichloroethane
Concen: 49.454 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.3	78.5
61	48.8	39.0	58.6





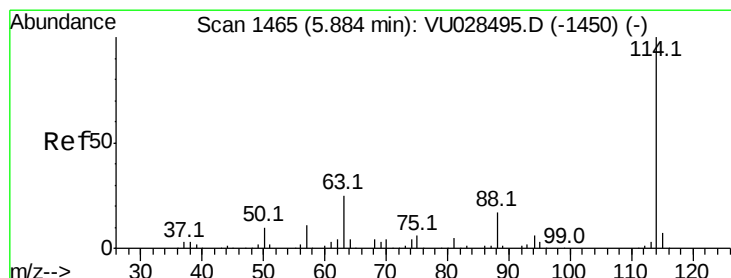
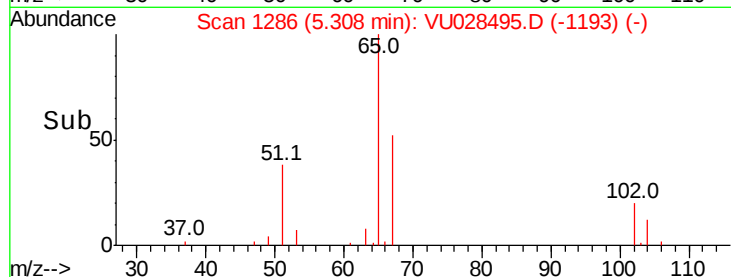
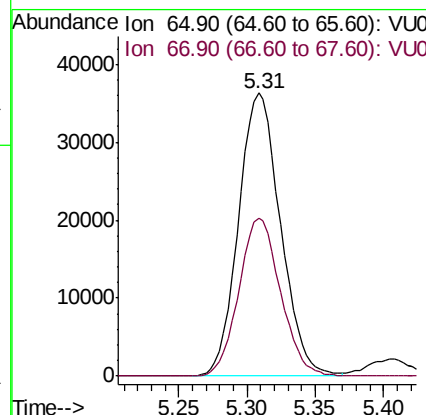
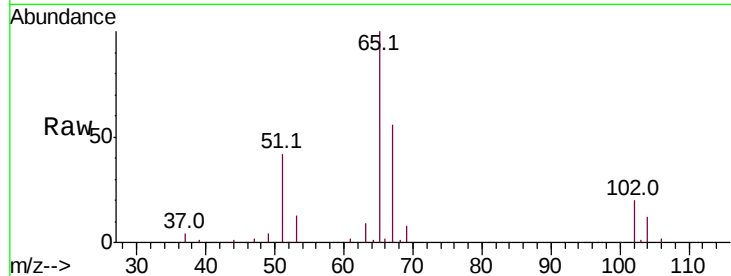
#33
 1,2-Dichloroethane-d4
 Concen: 47.949 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	110.6

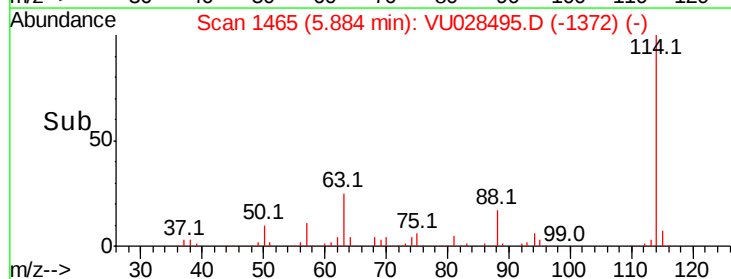
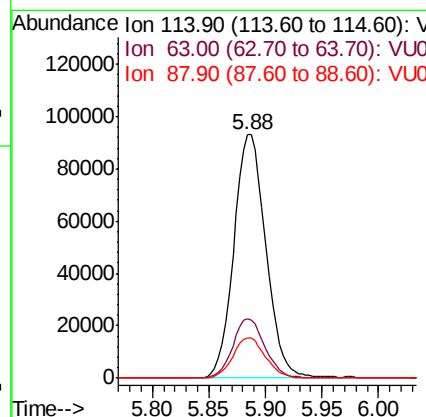
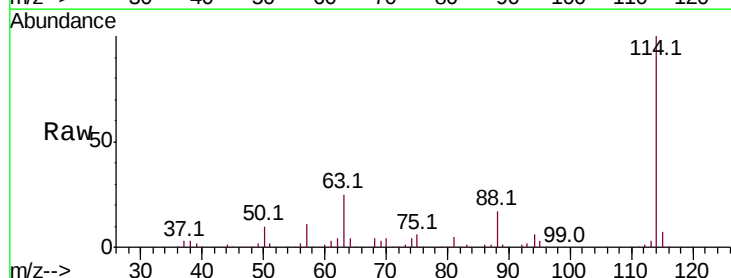
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	49.2
88	16.7	0.0	33.4





#35

Dibromofluoromethane

Concen: 49.009 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:113 Resp: 56782

Ion Ratio Lower Upper

113 100

111 104.2 83.4 125.0

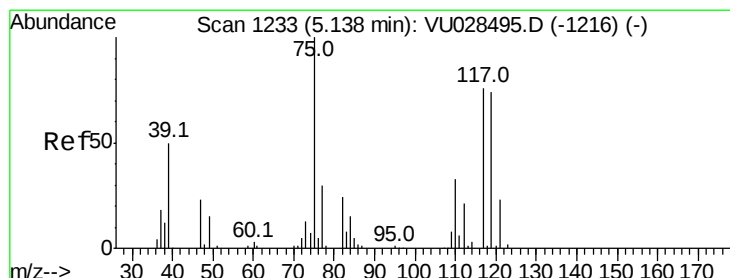
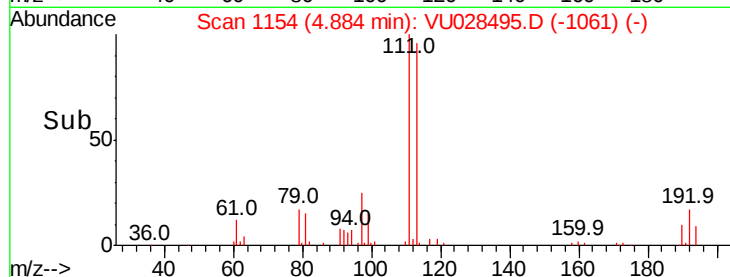
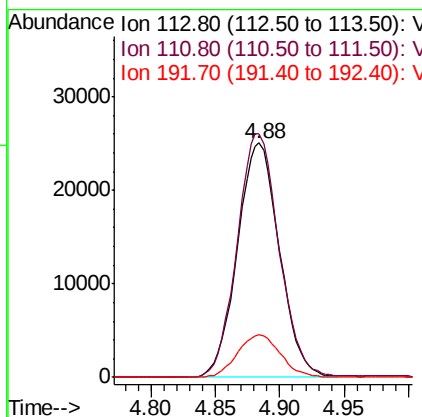
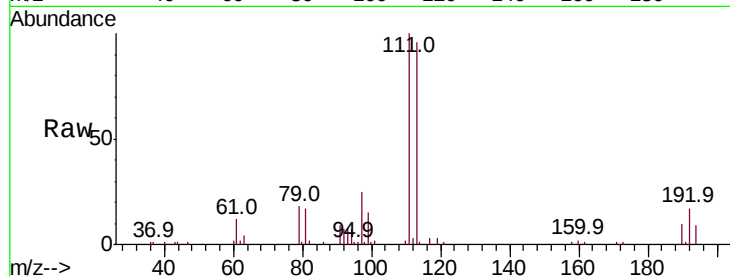
192 18.5 14.8 22.2

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 49.556 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

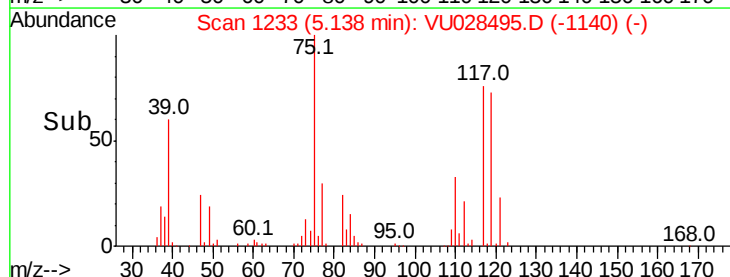
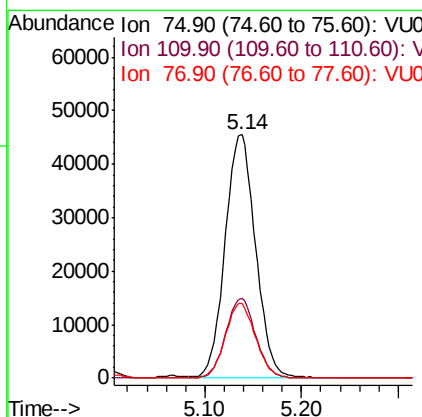
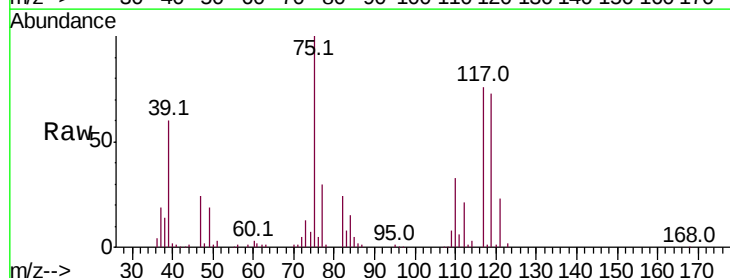
Tgt Ion: 75 Resp: 99839

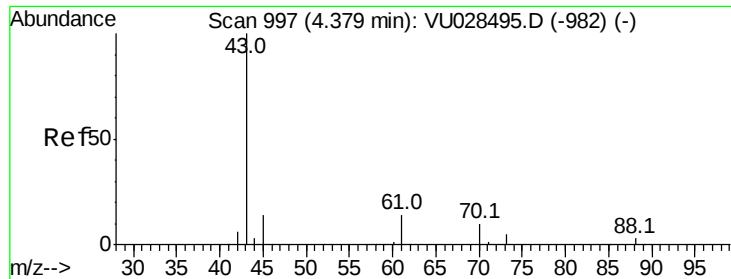
Ion Ratio Lower Upper

75 100

110 32.1 16.1 48.2

77 30.6 24.5 36.7





#37

Ethyl Acetate

Concen: 51.388 ug/l

RT: 4.38 min Scan# 997

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

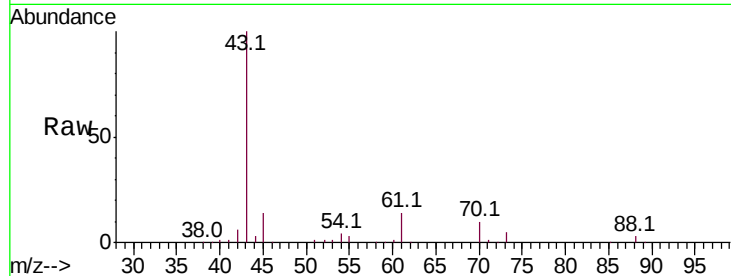
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	133834
Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	9.2	7.4	11.0

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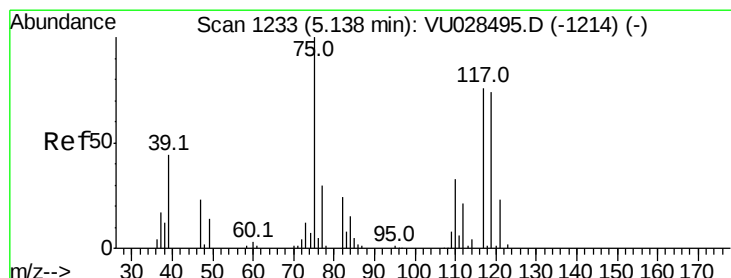
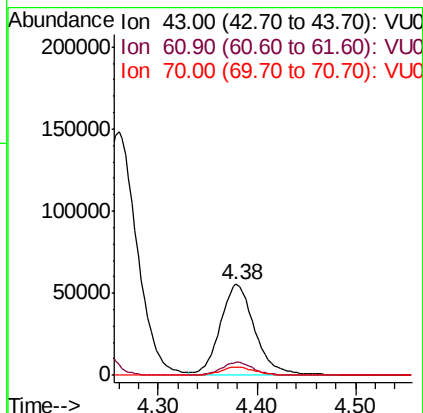
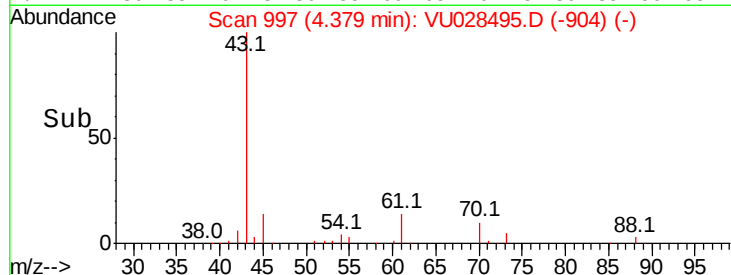


Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028495.D (-982) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 49.183 ug/l

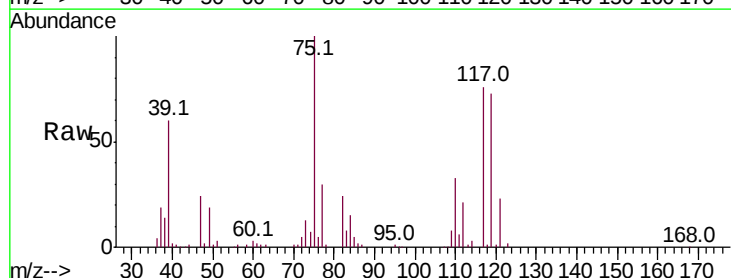
RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Tgt Ion:	117	Resp:	79864
Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.6	116.4
121	30.7	24.6	36.8

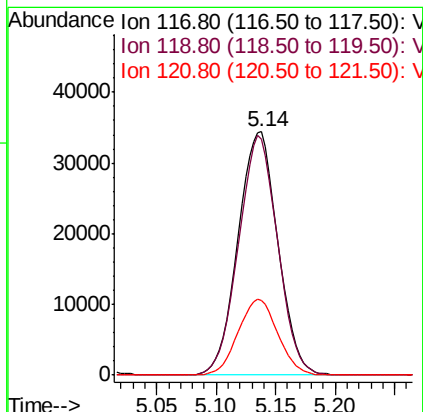
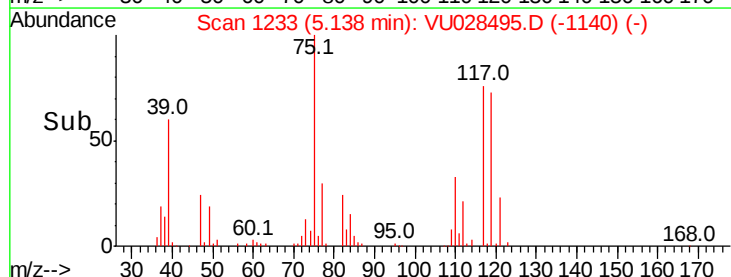


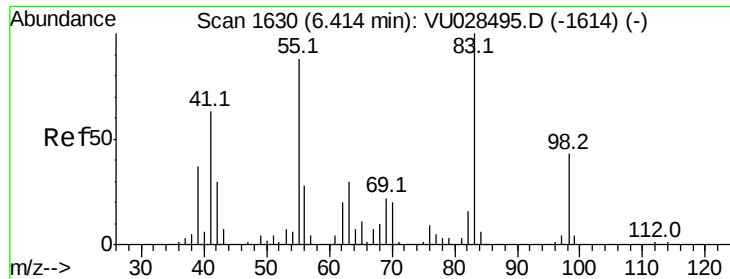
Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)

Time-->





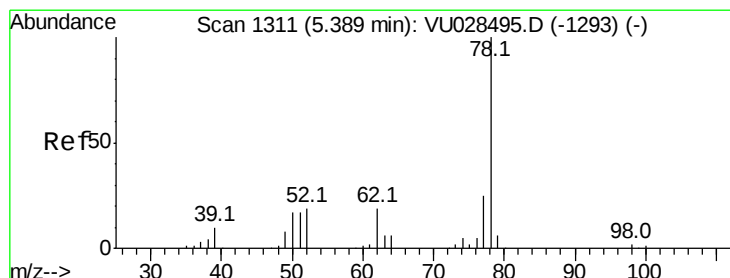
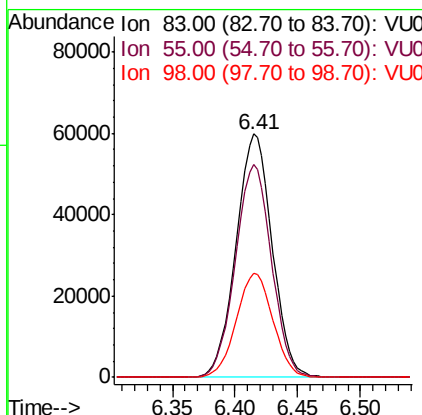
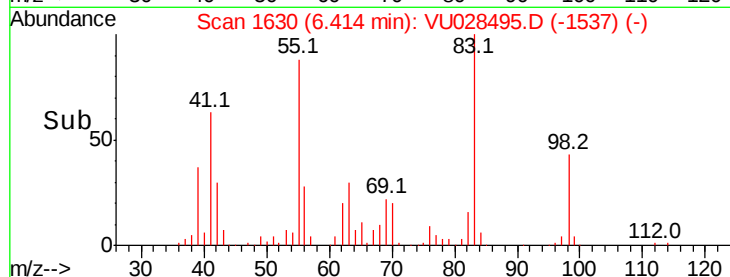
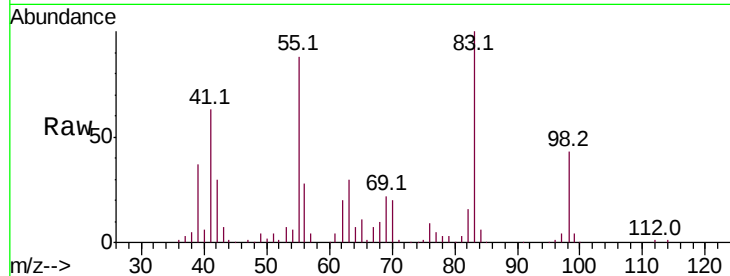
#39
Methvlcvclohexane
Concen: 48.706 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.7	70.2	105.2
98	42.8	34.2	51.4

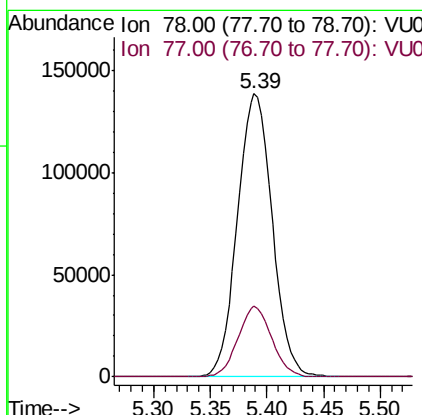
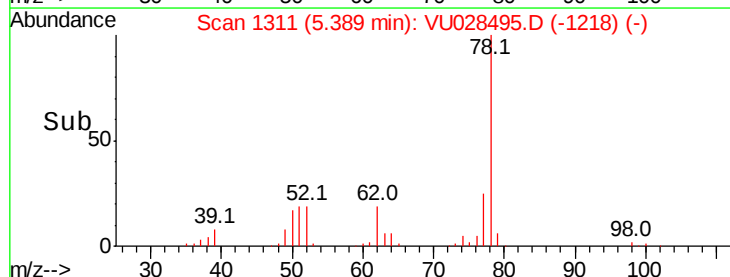
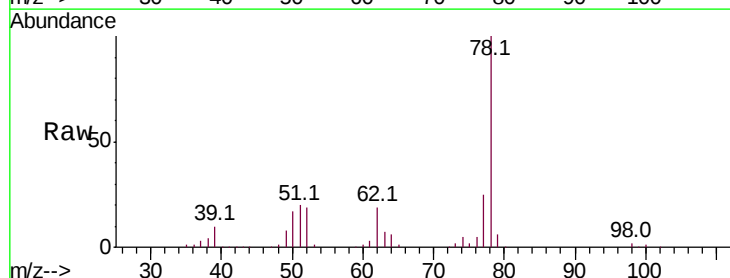
Manual Integrations
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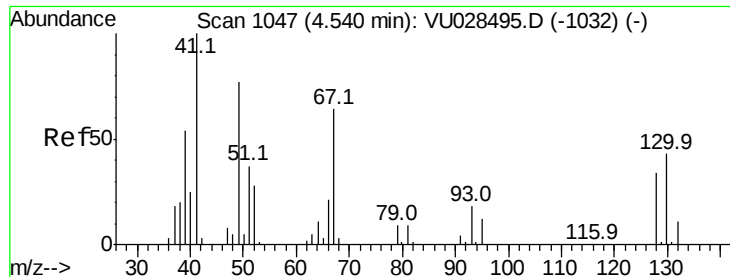
MMDadoda
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#40
Benzene
Concen: 50.043 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.9	29.9





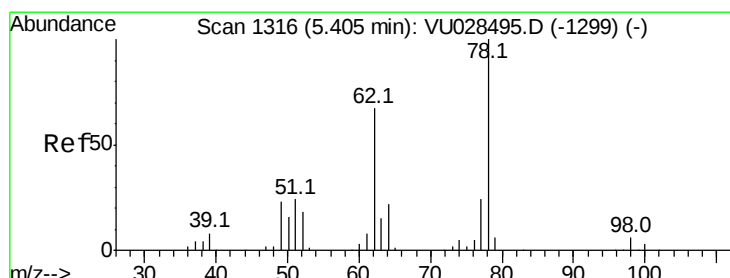
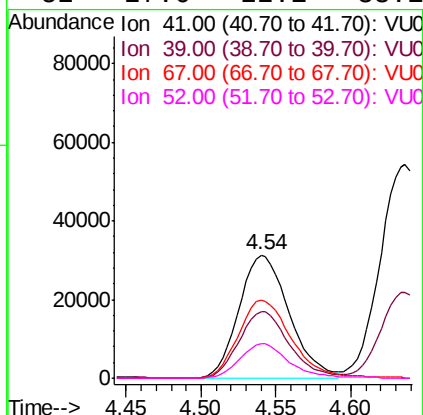
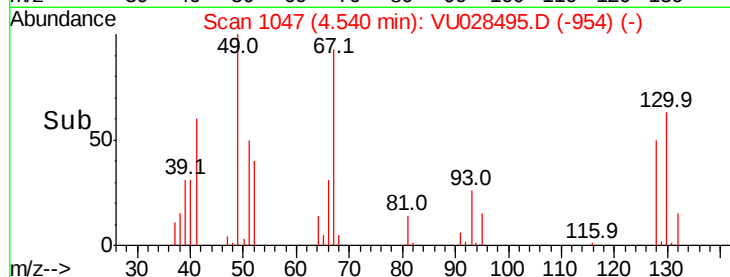
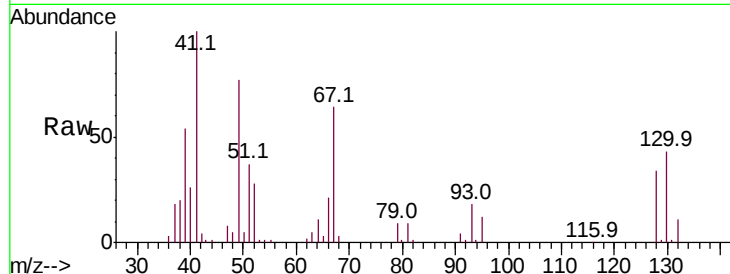
#41
Methacrylonitrile
Concen: 51.290 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.1	43.3	64.9	
67	67.0	53.6	80.4	
52	27.6	22.1	33.1	

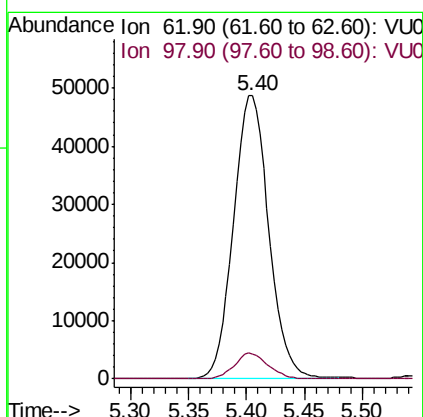
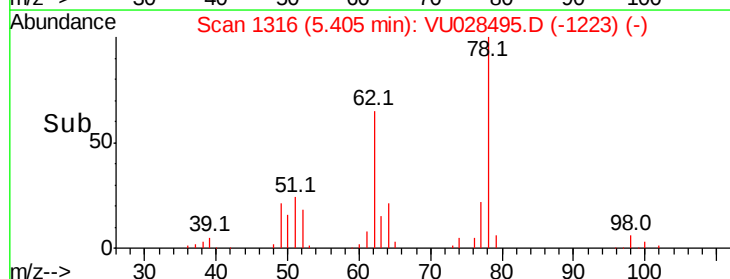
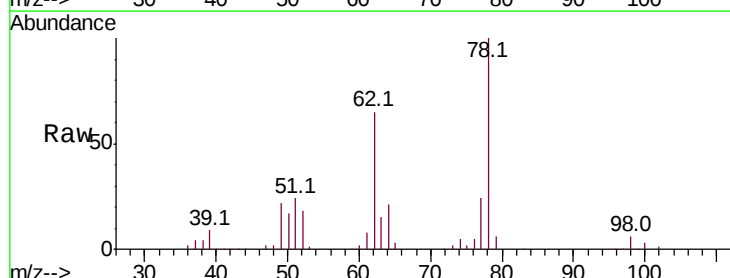
Manual Integrations
APPROVED

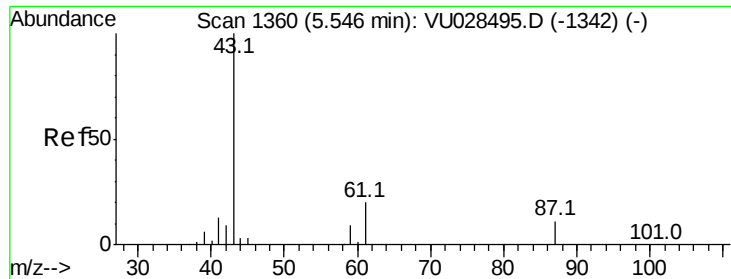
MMDadoda
12/7/2018 10:34:56 AM



#42
1,2-Dichloroethane
Concen: 49.725 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

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





#43

Isopropyl Acetate

Concen: 51.188 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

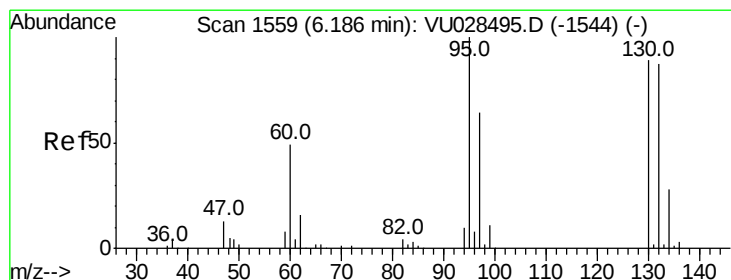
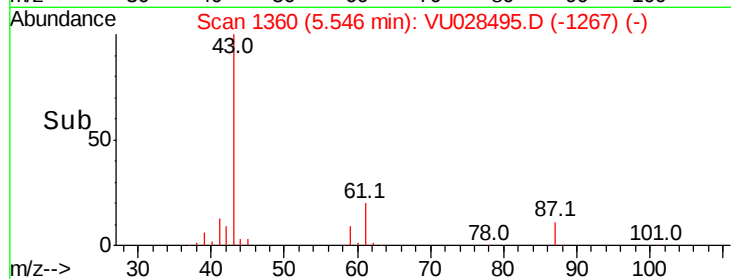
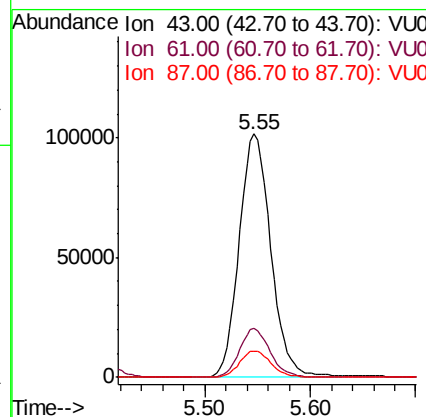
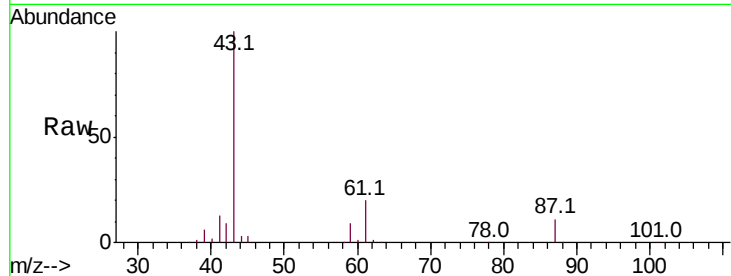
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	210859
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.5	23.3
87	10.9	8.7	13.1

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#44

Trichloroethene

Concen: 48.833 ug/l

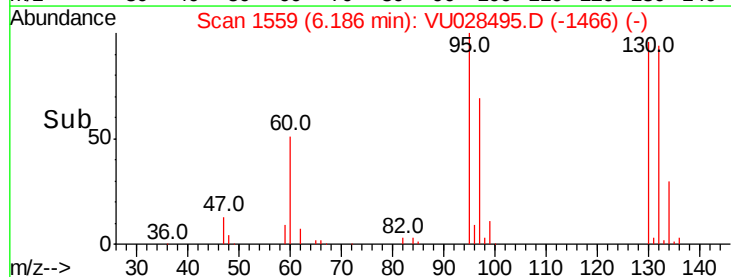
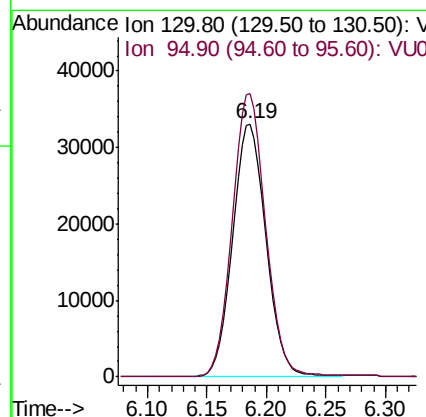
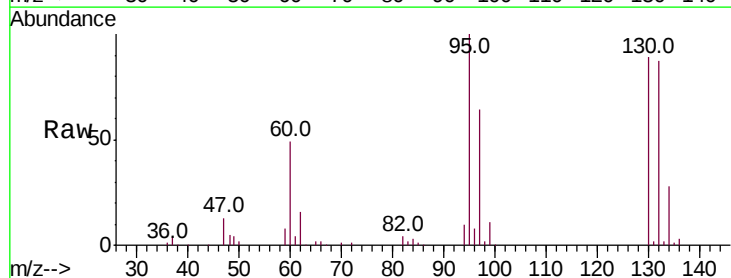
RT: 6.19 min Scan# 1559

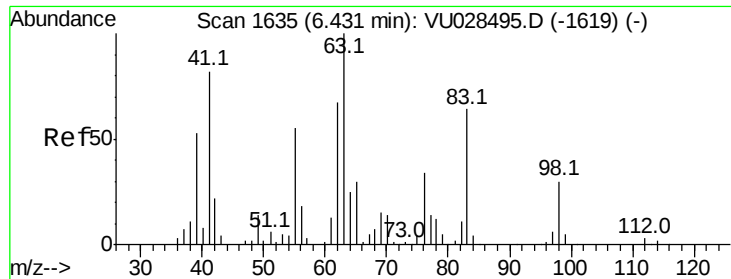
Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Tgt Ion:	130	Resp:	64427
Ion	Ratio	Lower	Upper
130	100		
95	112.0	0.0	224.0





#45

1,2-Dichloropropane

Concen: 51.607 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 86110

Ion Ratio Lower Upper

63 100

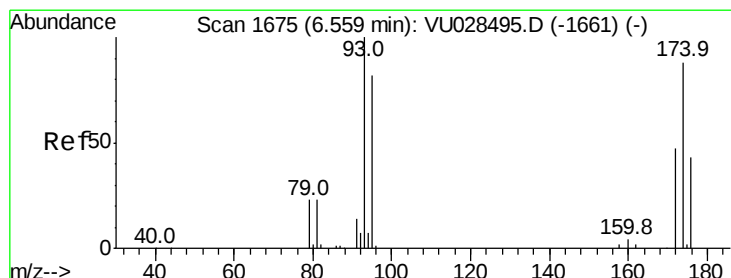
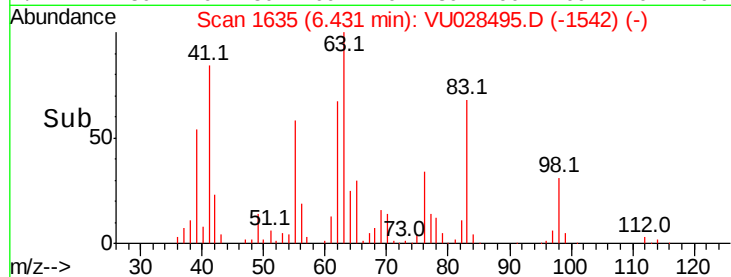
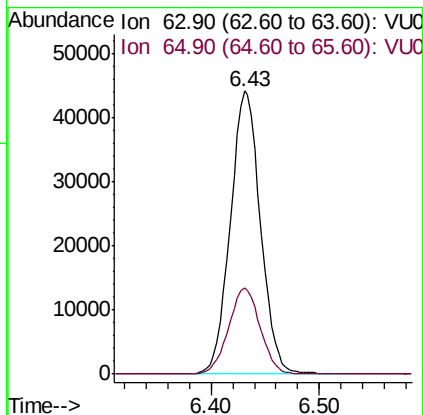
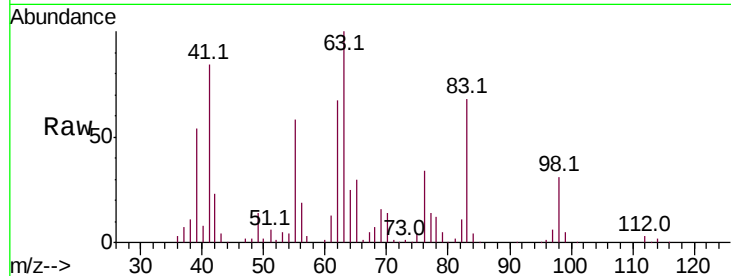
65 30.3 24.2 36.4

Manual Integrations

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12/7/2018 10:34:56 AM



#46

Dibromomethane

Concen: 50.311 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

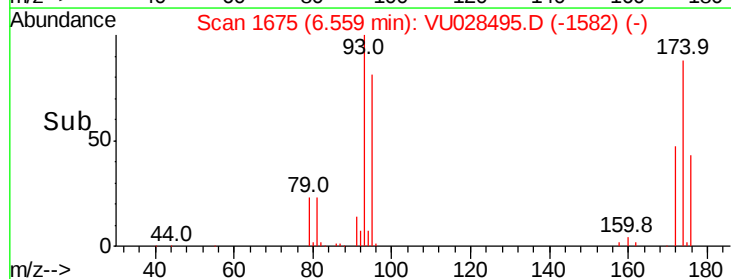
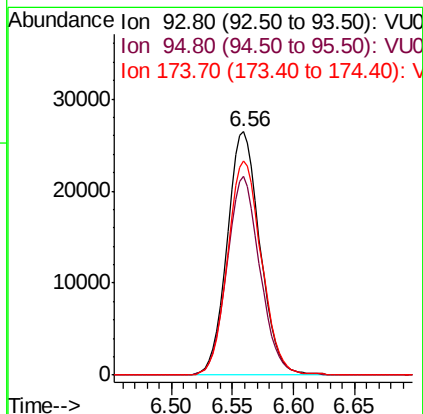
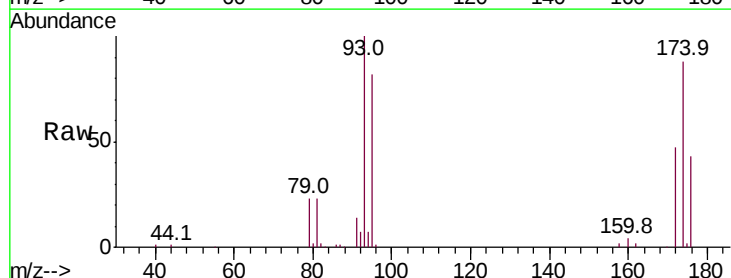
Tgt Ion: 93 Resp: 49809

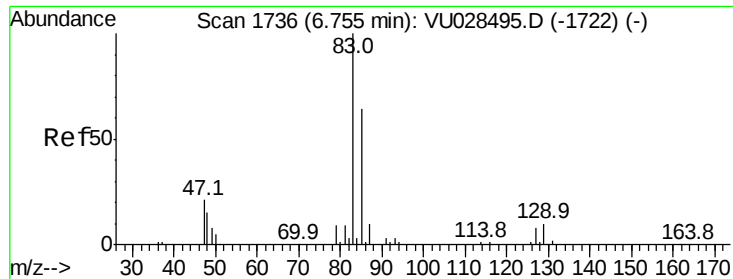
Ion Ratio Lower Upper

93 100

95 81.8 65.4 98.2

174 90.3 72.2 108.4





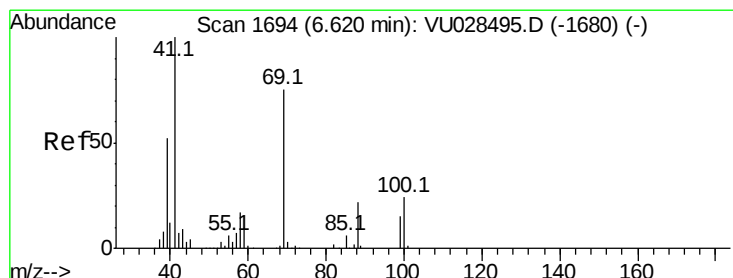
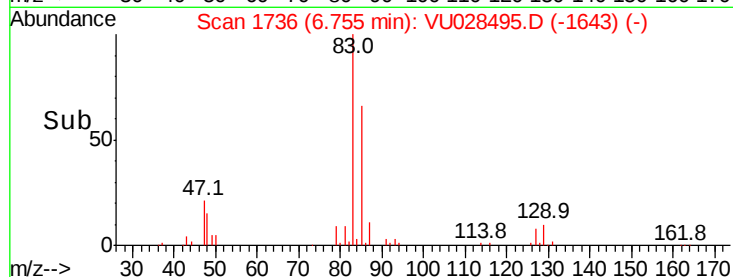
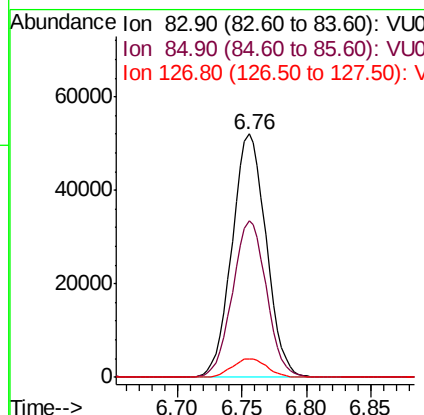
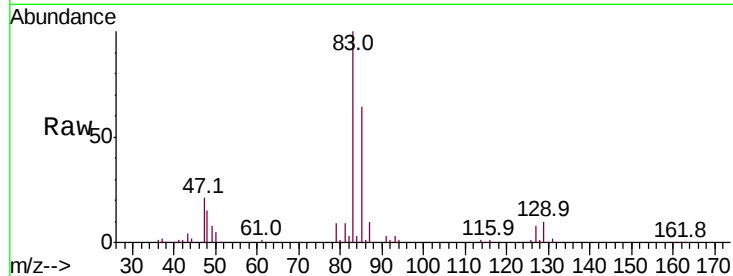
#47
Bromodichloromethane
Concen: 49.686 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3
127	7.8	6.2	9.4

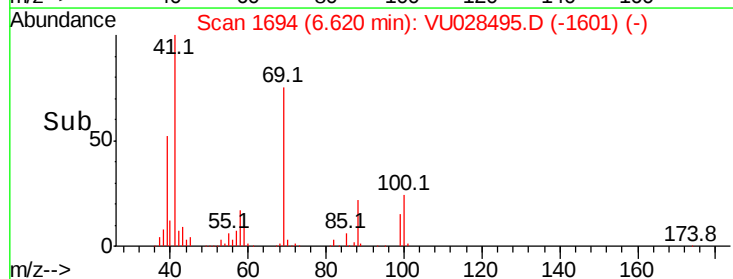
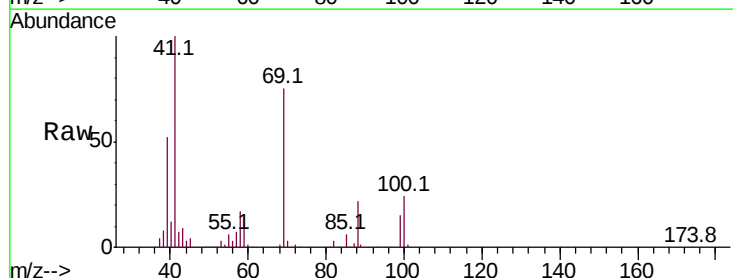
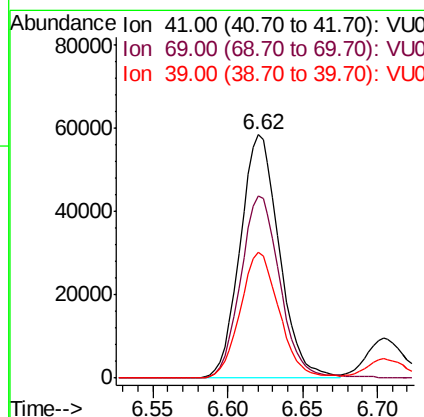
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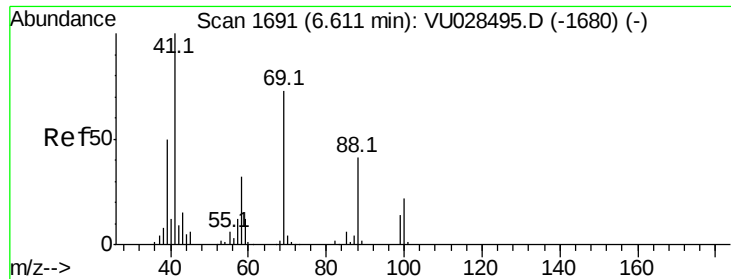
MMDadoda
12/7/2018 10:34:56 AM



#48
Methyl methacrylate
Concen: 51.938 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.5	60.4	90.6
39	51.4	41.1	61.7





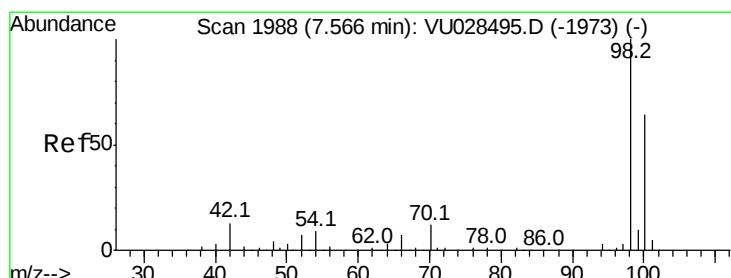
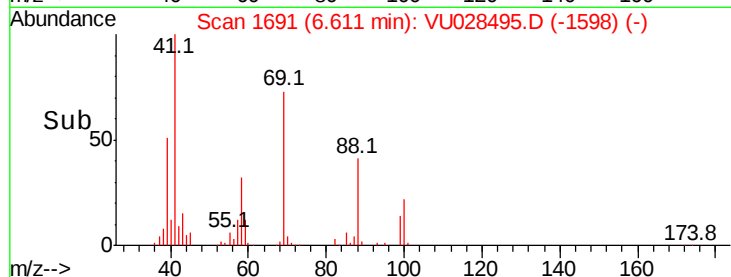
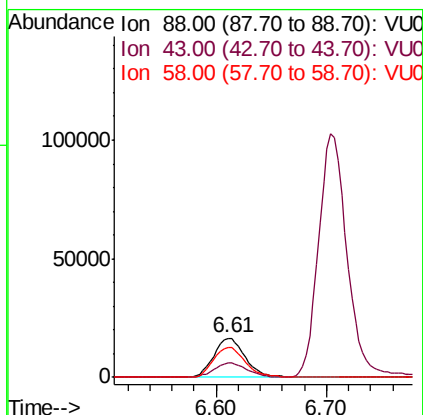
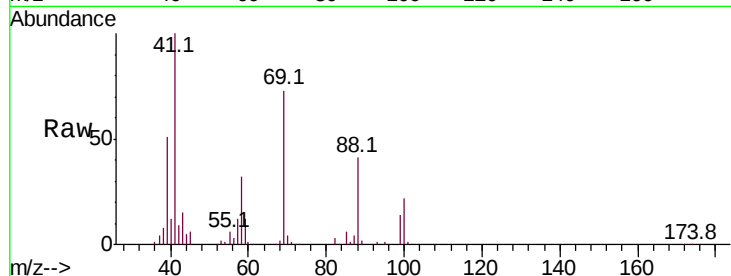
#49
1,4-Dioxane
Concen: 1012.088 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.6	30.9	46.3
58	78.0	62.4	93.6

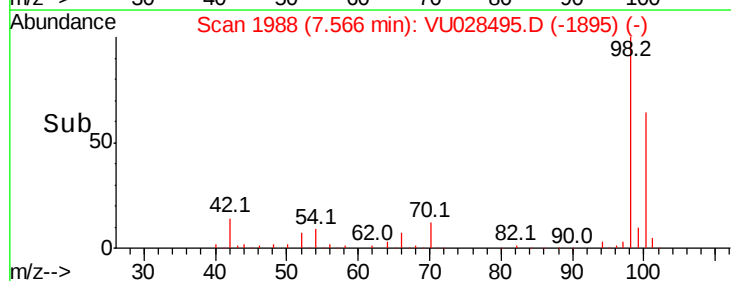
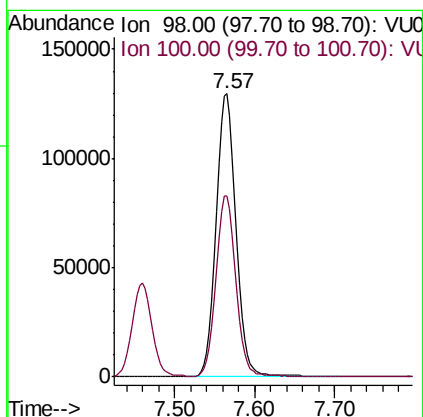
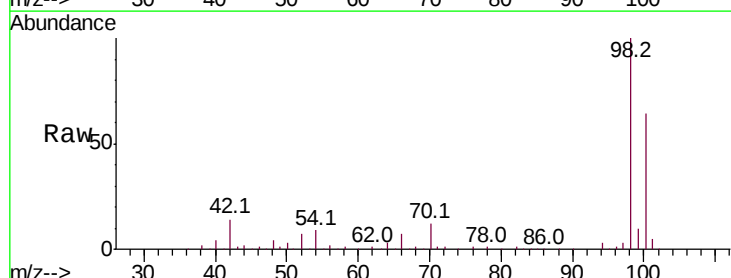
Manual Integrations
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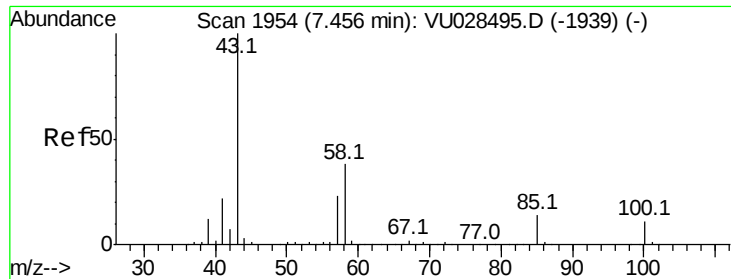
MMDadoda
12/7/2018 10:34:56 AM



#50
Toluene-d8
Concen: 49.121 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 253.843 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 659512

Ion Ratio Lower Upper

43 100

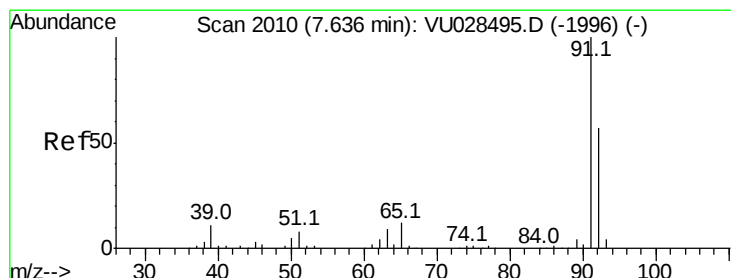
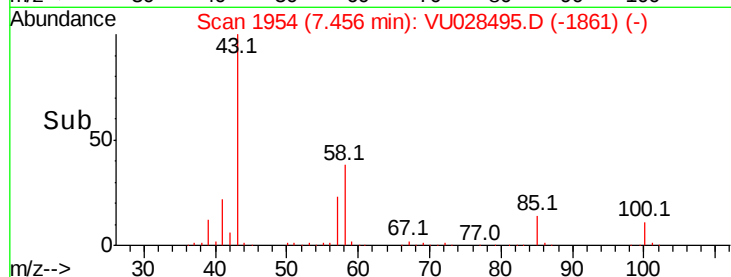
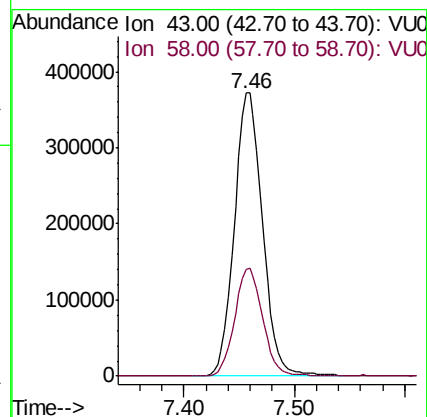
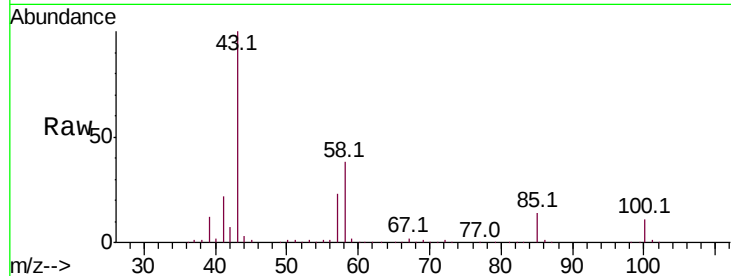
58 37.7 30.2 45.2

Manual Integrations

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12/7/2018 10:34:56 AM



#52

Toluene

Concen: 50.586 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028495.D

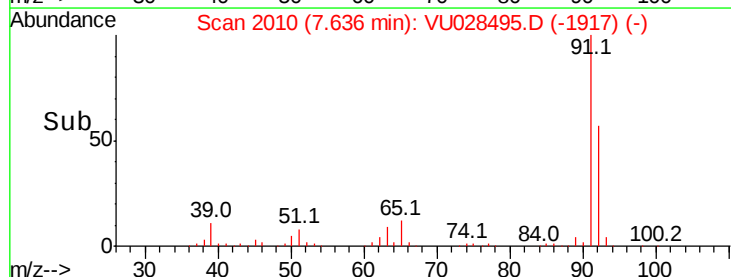
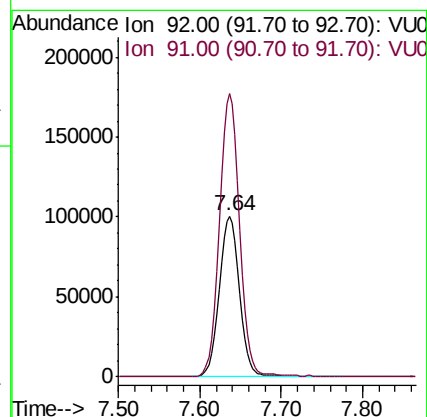
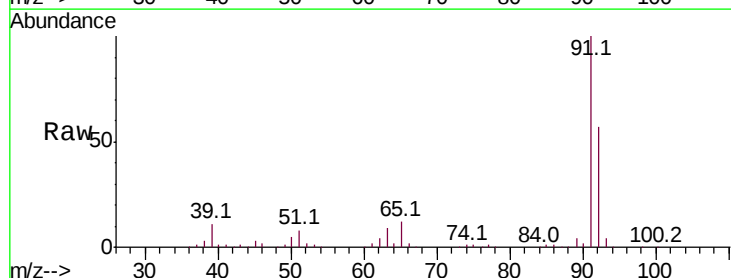
Acq: 06 Dec 2018 12:33

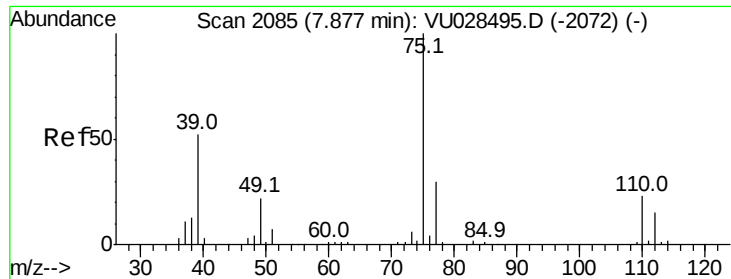
Tgt Ion: 92 Resp: 176652

Ion Ratio Lower Upper

92 100

91 175.3 140.2 210.4





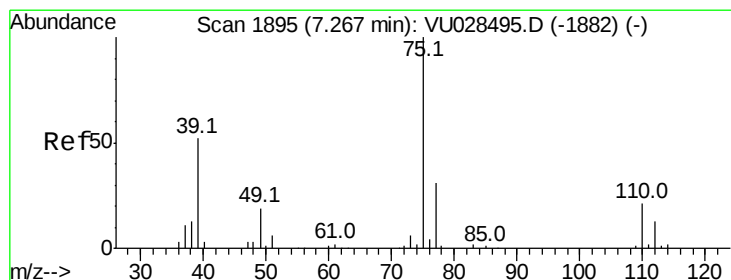
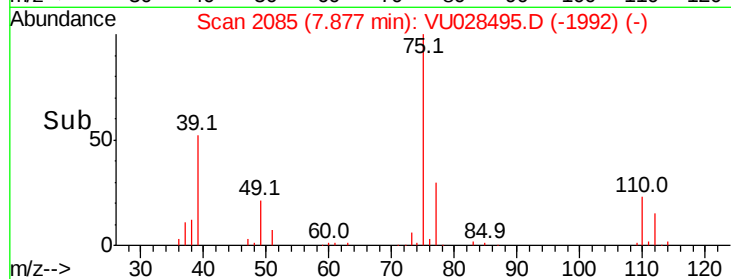
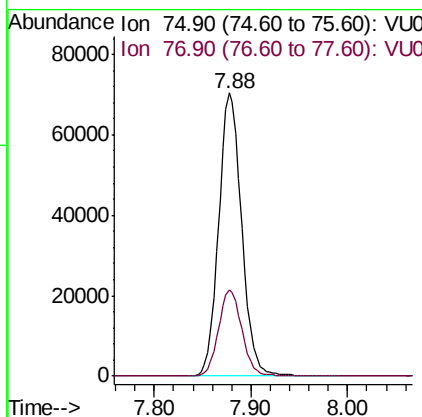
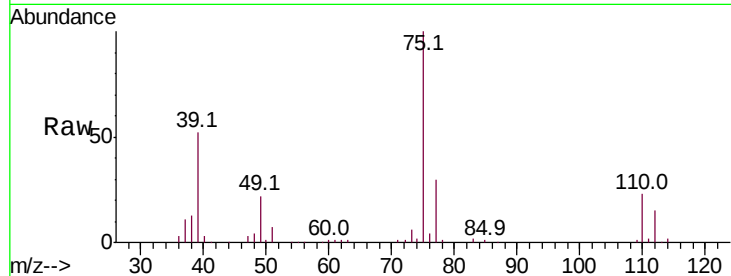
#53
 t-1,3-Dichloropropene
 Concen: 50.546 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.2	36.4

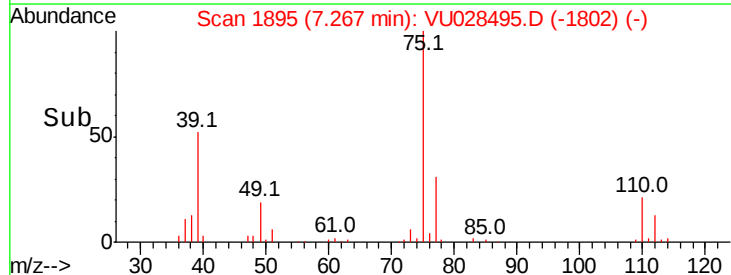
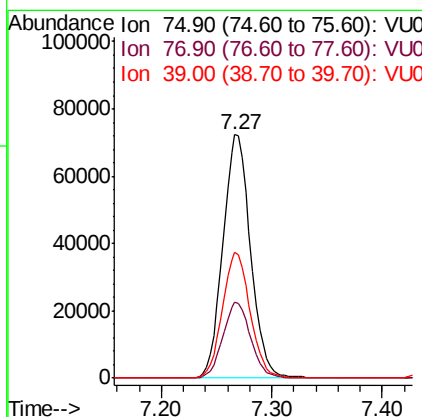
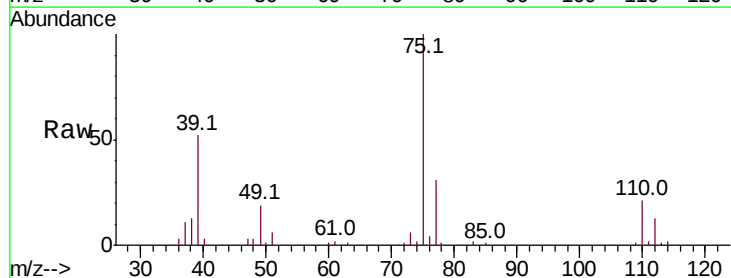
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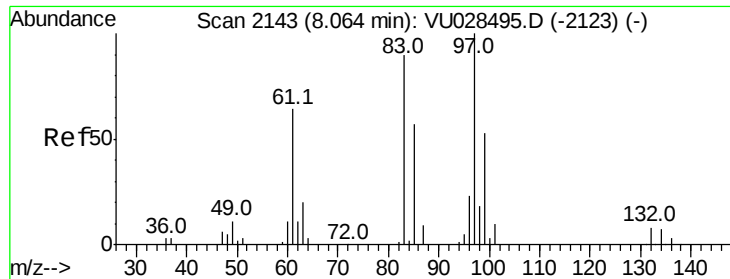
MMDadoda
 12/7/2018 10:34:56 AM



#54
 cis-1,3-Dichloropropene
 Concen: 50.434 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	51.6	41.3	61.9





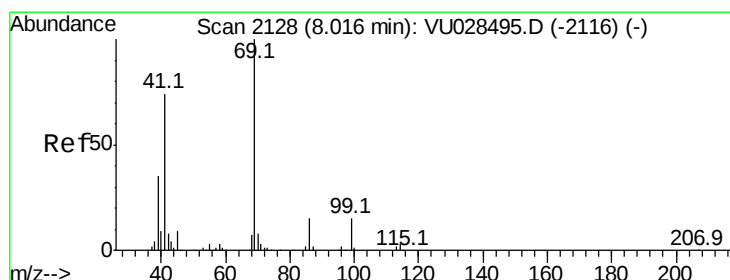
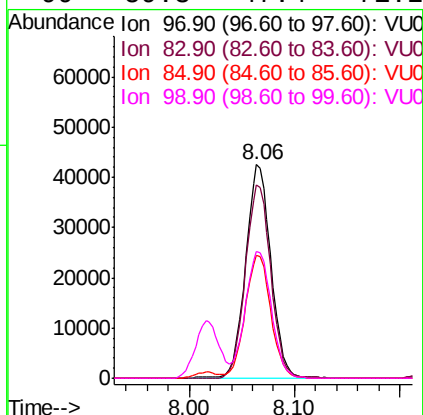
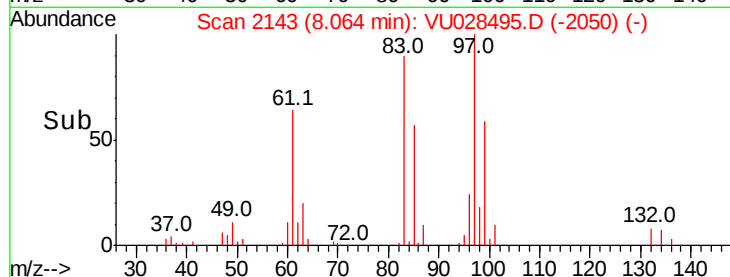
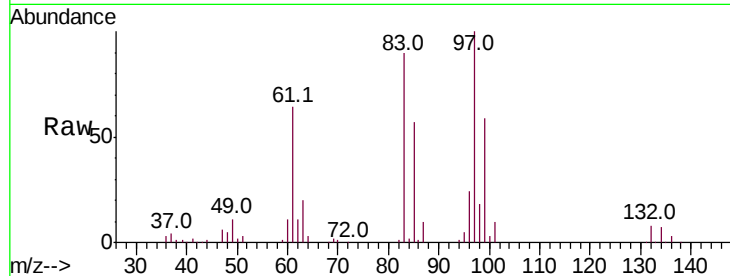
#55
1,1,2-Trichloroethane
Concen: 51.554 ug/l
RT: 8.06 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	90.5	72.4	108.6	
85	57.5	46.0	69.0	
99	59.3	47.4	71.2	

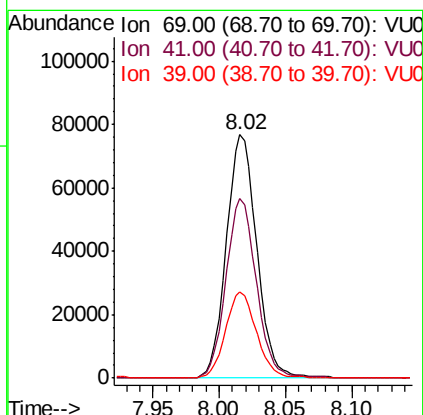
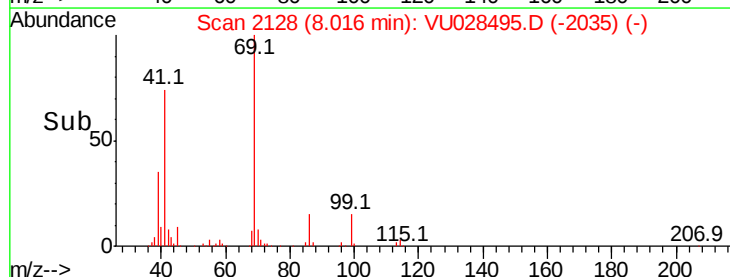
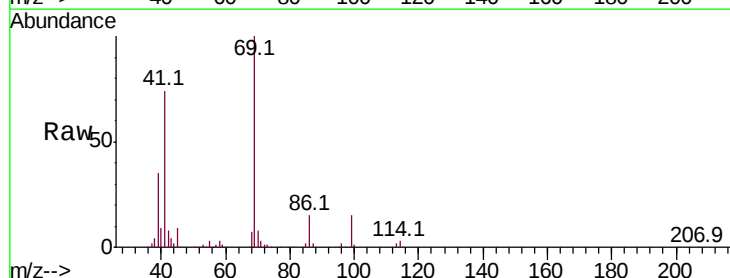
Manual Integrations
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#56
Ethyl methacrylate
Concen: 51.900 ug/l
RT: 8.02 min Scan# 2128
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	73.9	59.1	88.7	
39	35.5	28.4	42.6	





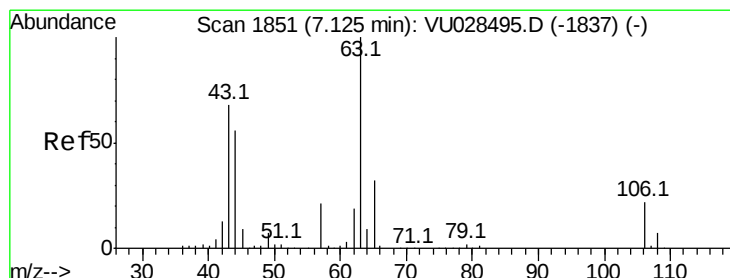
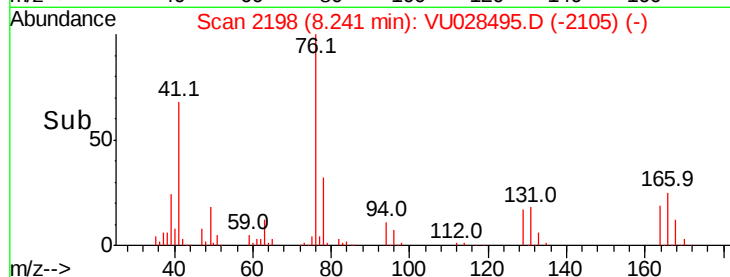
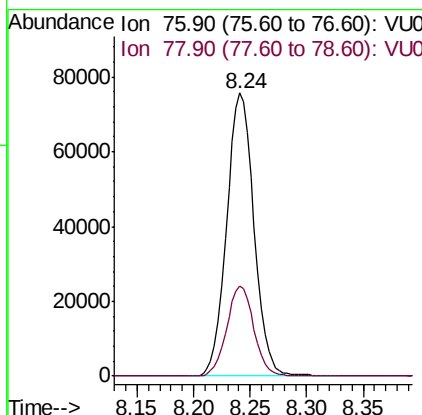
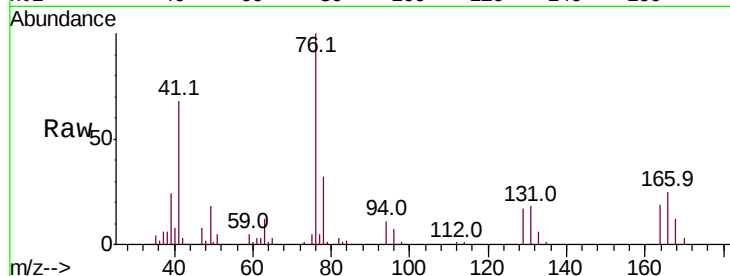
#57
 1,3-Dichloropropane
 Concen: 49.686 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.2	37.8

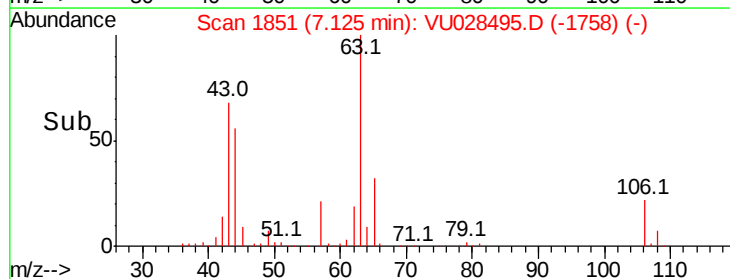
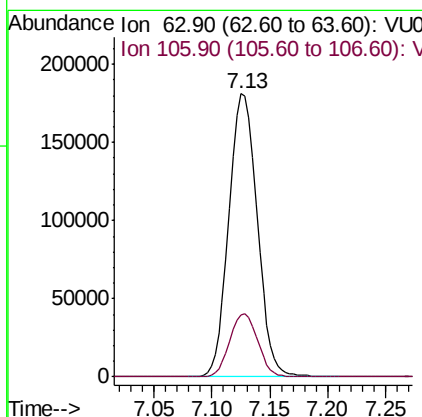
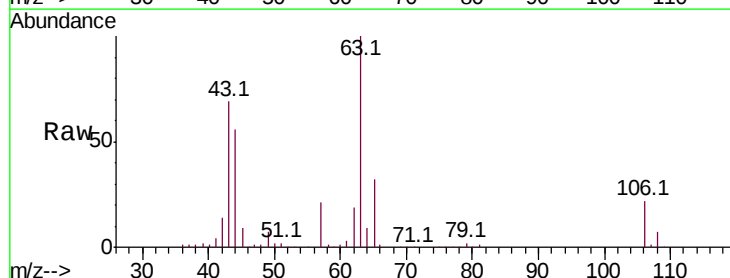
Manual Integrations
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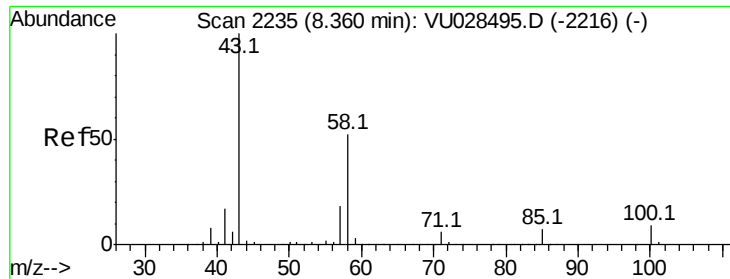
MMDadoda
 12/7/2018 10:34:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.171 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.2	17.8	26.6





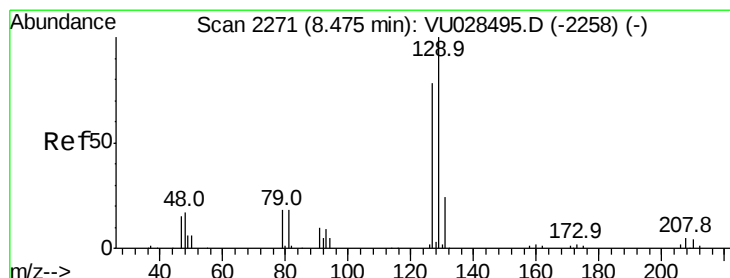
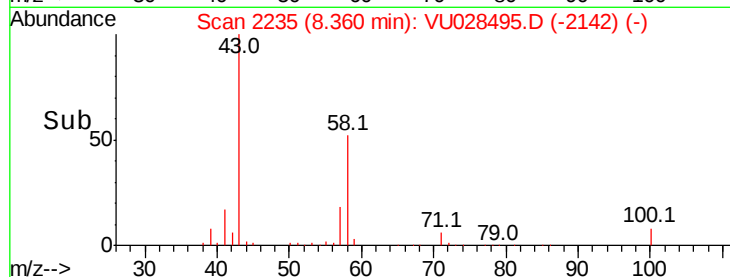
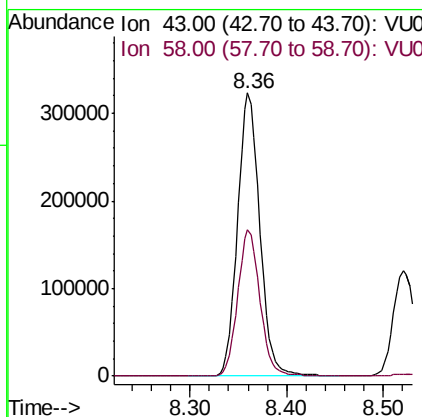
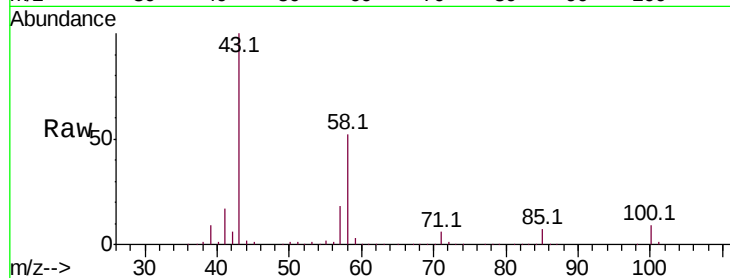
#59
2-Hexanone
Concen: 251.245 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 517384
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.6

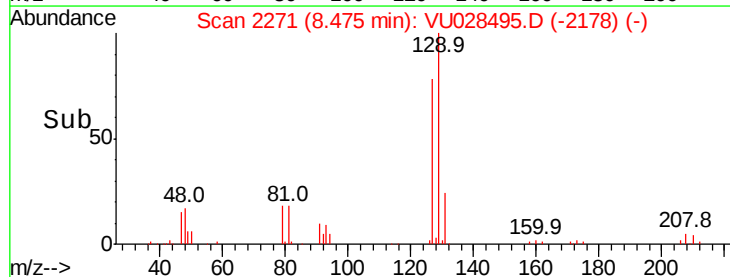
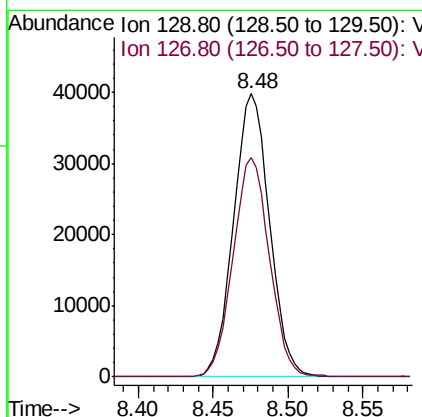
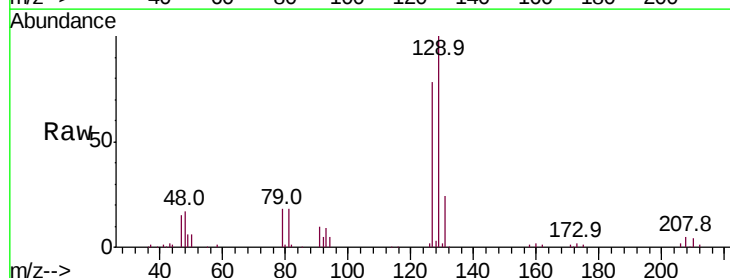
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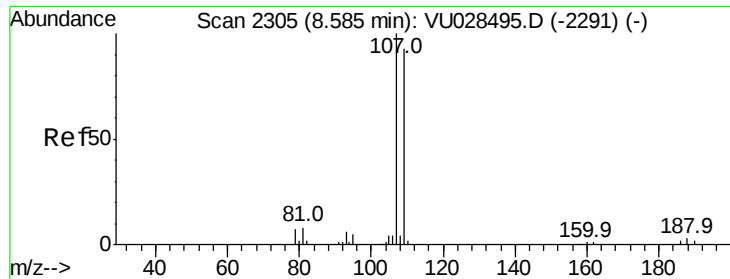
MMDadoda
12/7/2018 10:34:56 AM



#60
Dibromochloromethane
Concen: 49.339 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion: 129 Resp: 66681
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.3





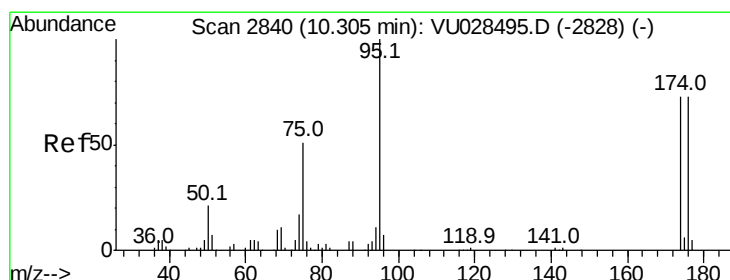
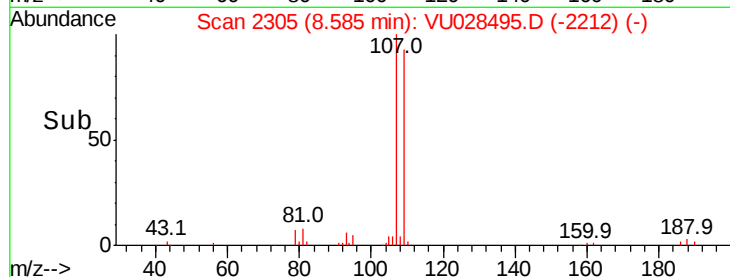
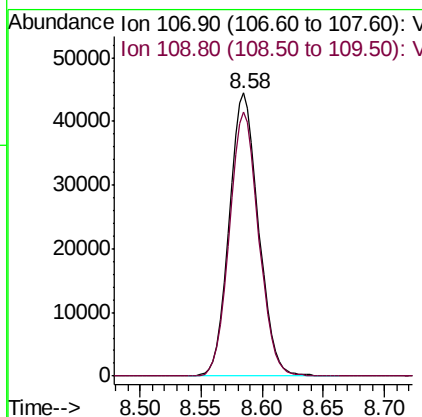
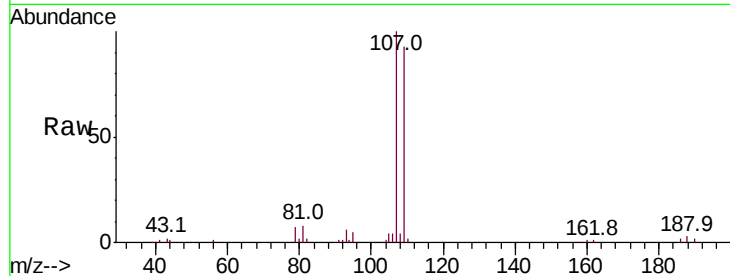
#61
 1,2-Dibromoethane
 Concen: 51.422 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	74.5	111.7

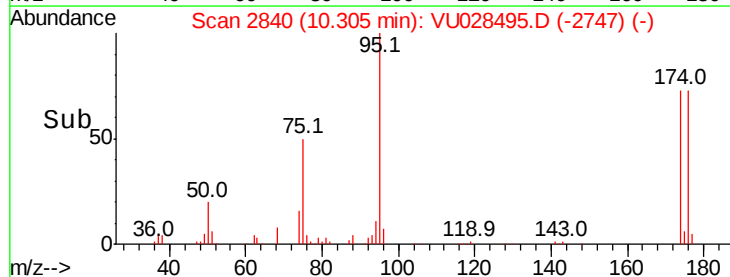
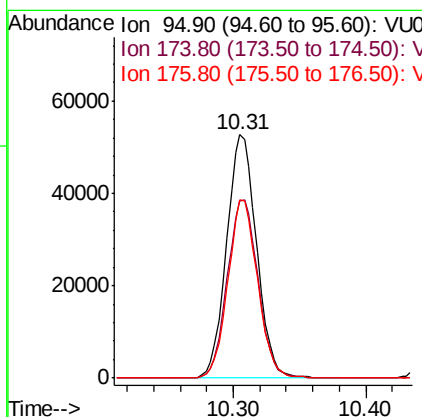
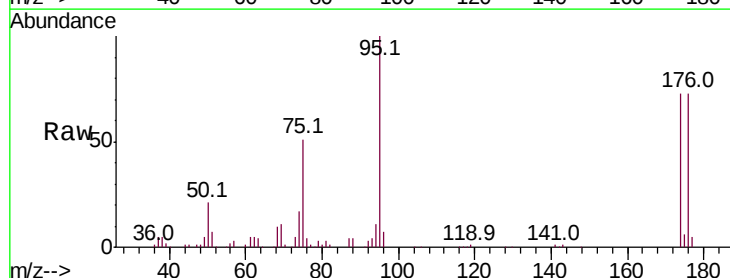
Manual Integrations
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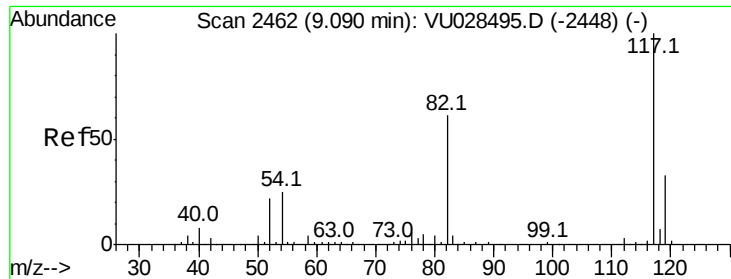
MMDadoda
 12/7/2018 10:34:56 AM



#62
 4-Bromofluorobenzene
 Concen: 48.250 ug/l
 RT: 10.31 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	150.4
176	72.6	0.0	145.2





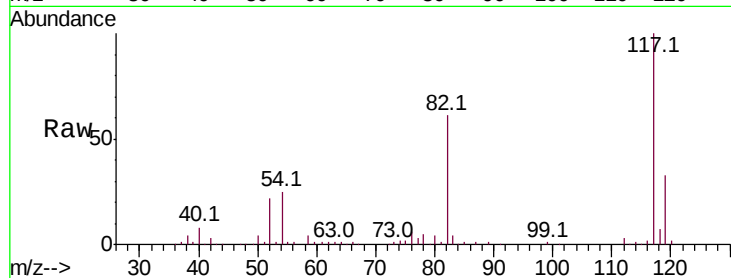
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	48.9	73.3
119	32.8	26.2	39.4

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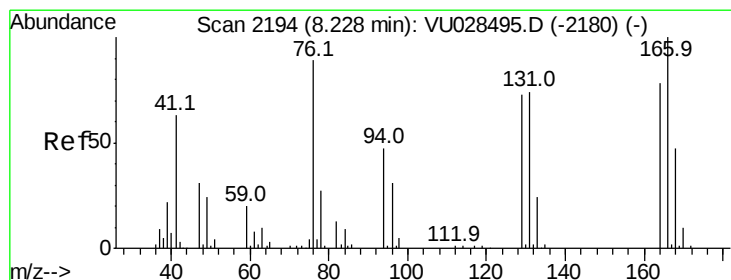
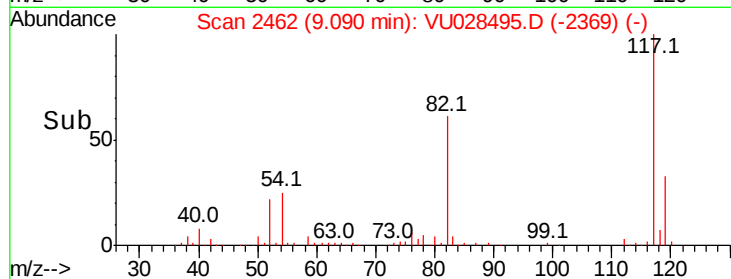
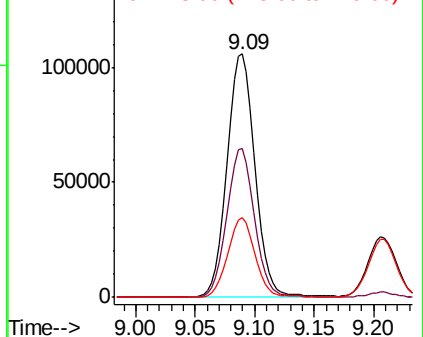


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 48.673 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.9	152.9
129	93.6	74.9	112.3
131	94.2	75.4	113.0

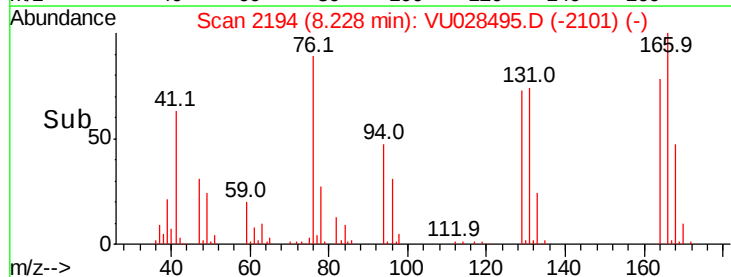
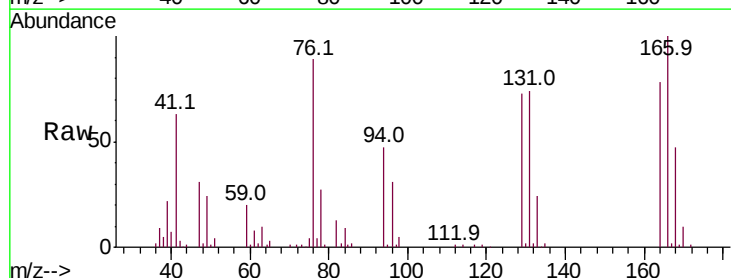
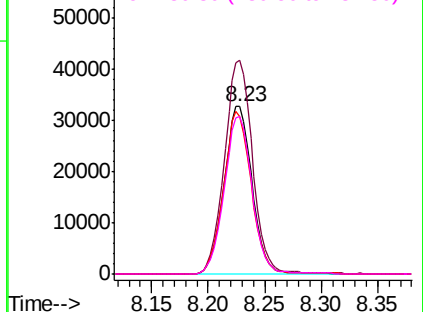
Abundance

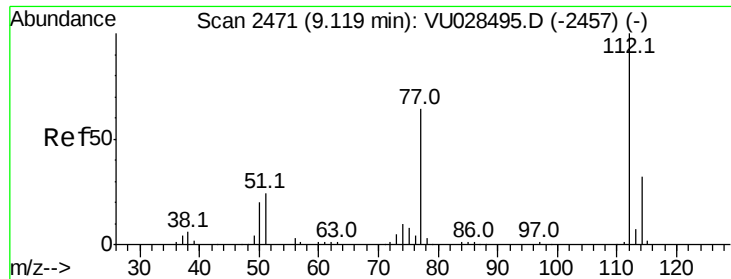
Ion 163.80 (163.50 to 164.50): V

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





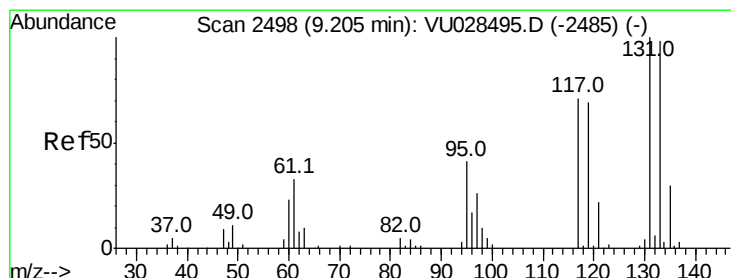
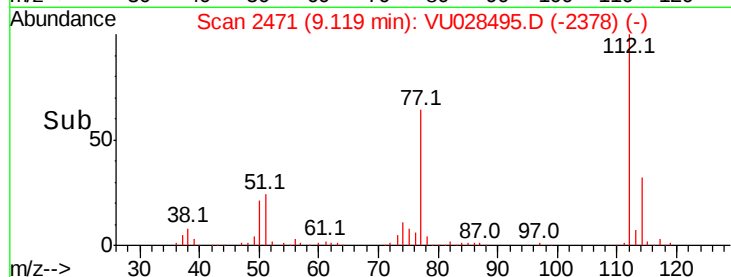
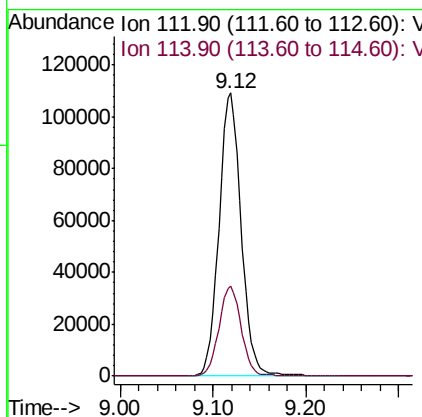
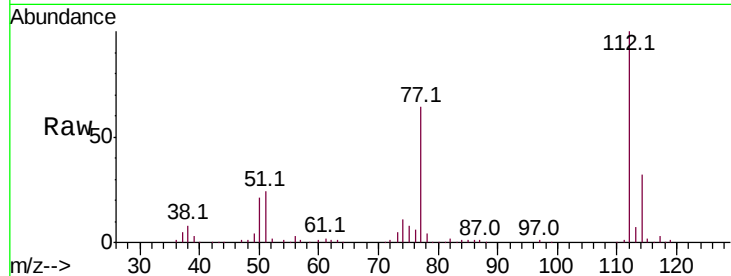
#65
Chlorobenzene
Concen: 49.219 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.3	37.9

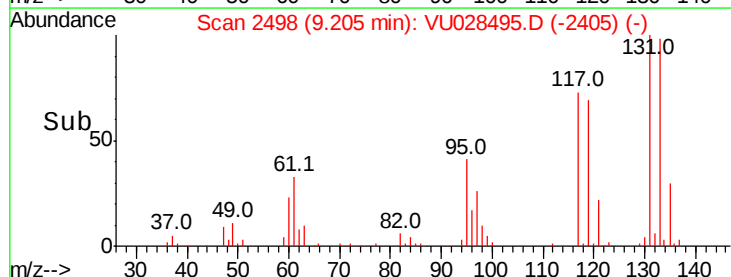
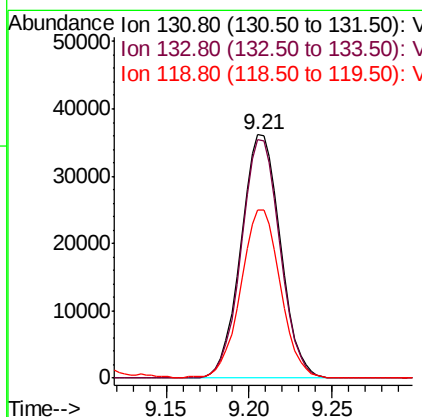
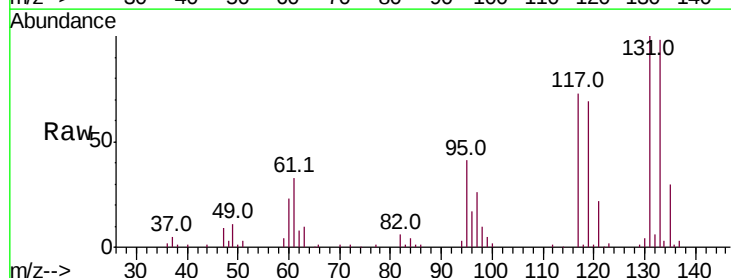
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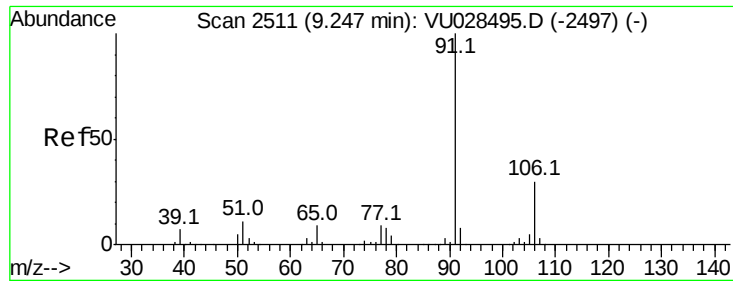
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.152 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.0	144.0
119	69.3	34.6	103.9





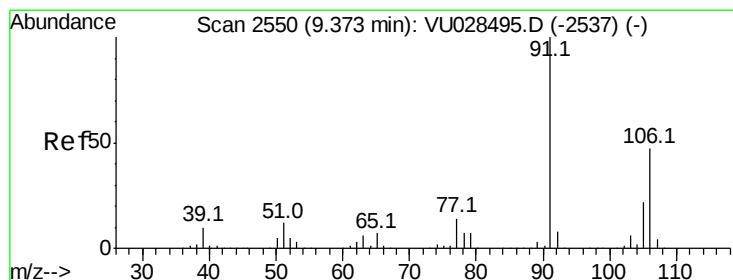
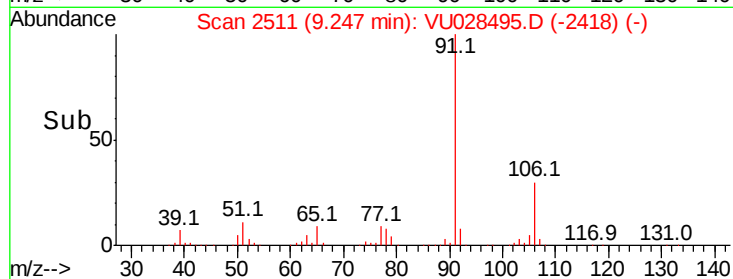
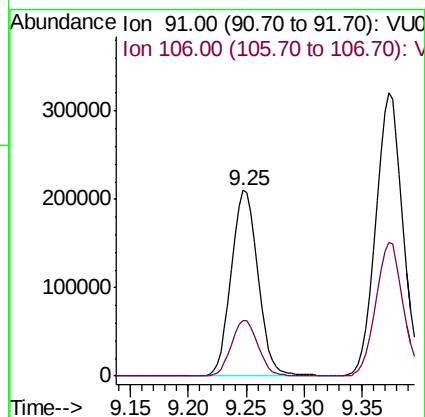
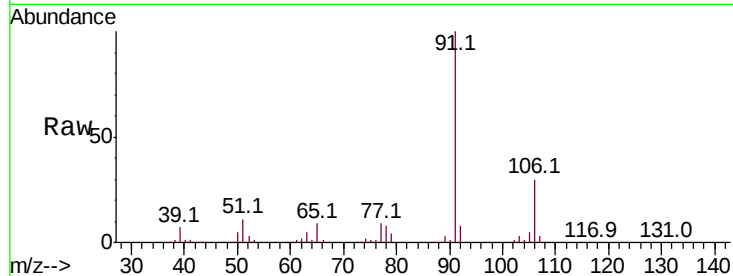
#67
Ethyl Benzene
Concen: 49.724 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 336274
Ion Ratio Lower Upper
91 100
106 30.1 24.1 36.1

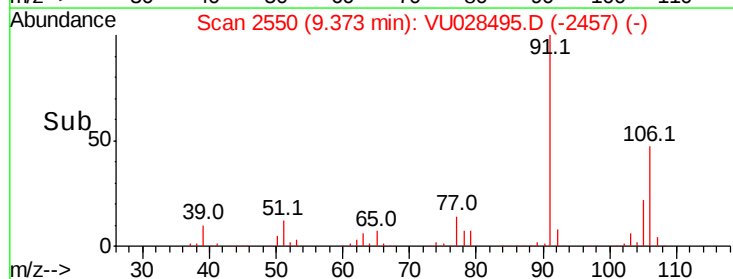
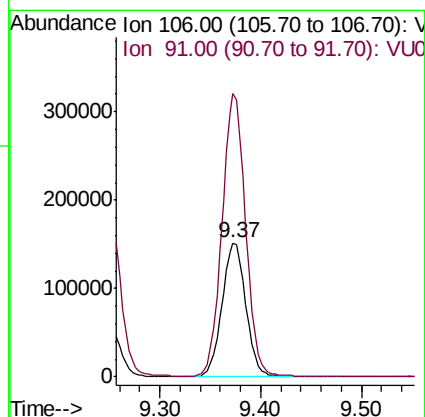
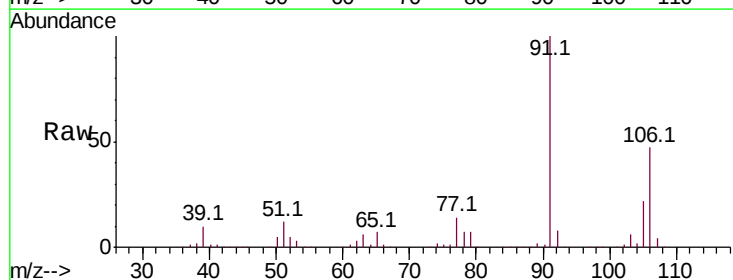
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#68
m/p-Xylenes
Concen: 101.763 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion: 106 Resp: 250420
Ion Ratio Lower Upper
106 100
91 209.2 167.4 251.0





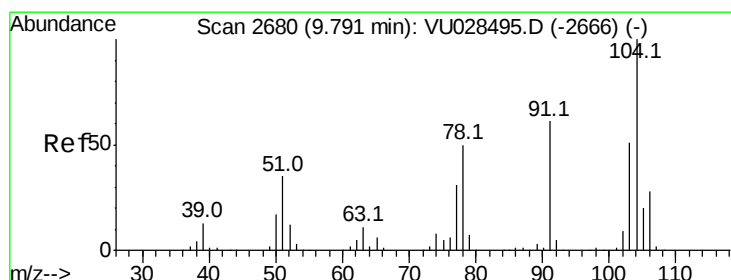
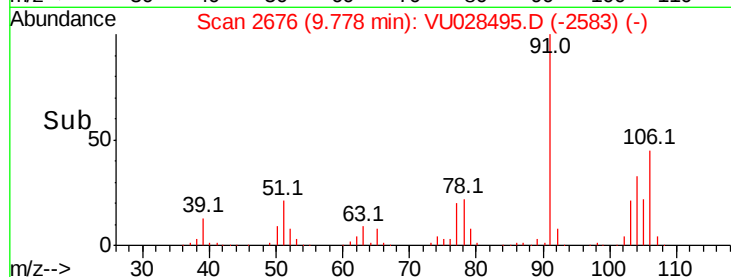
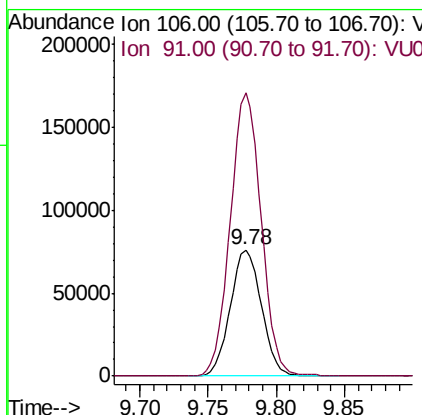
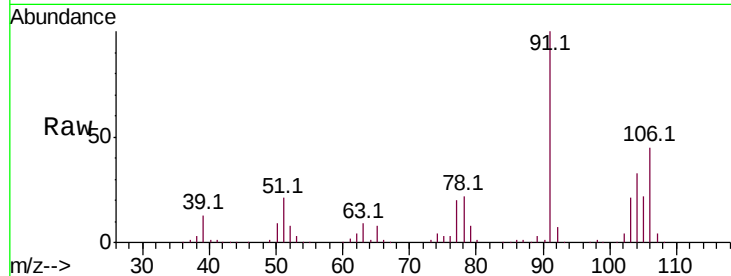
#69
o-Xylene
Concen: 50.501 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 120770
Ion Ratio Lower Upper
106 100
91 222.7 111.3 334.0

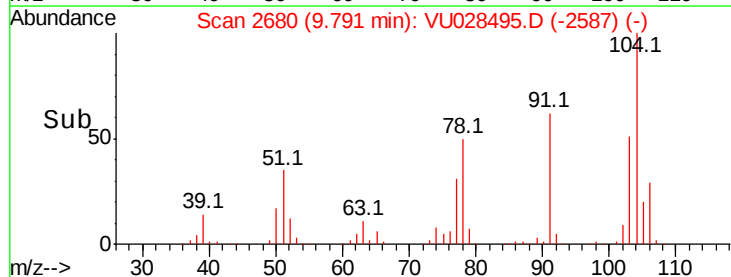
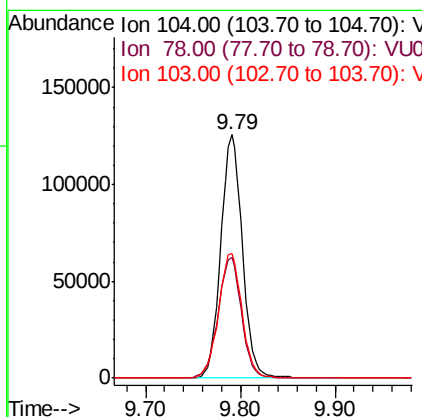
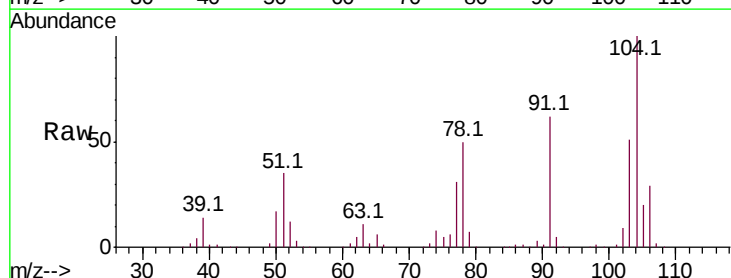
Manual Integrations
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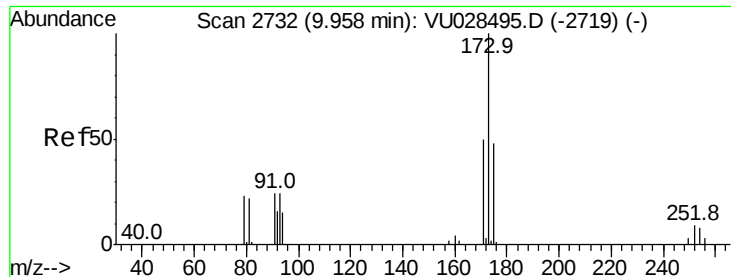
MMDadoda
12/7/2018 10:34:56 AM



#70
Styrene
Concen: 50.341 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion:104 Resp: 199231
Ion Ratio Lower Upper
104 100
78 53.8 43.0 64.6
103 55.3 44.2 66.4





#71

Bromoform

Concen: 51.355 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 51322

Ion Ratio Lower Upper

173 100

175 47.9 23.9 71.8

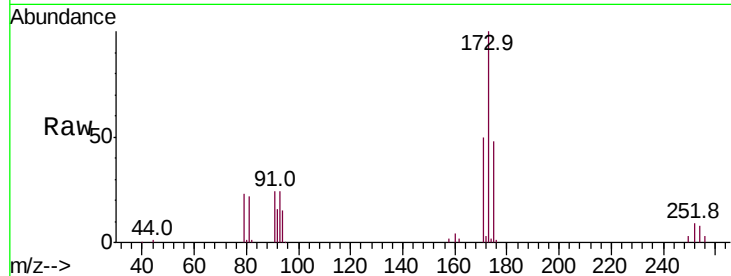
254 0.0 0.0 0.0

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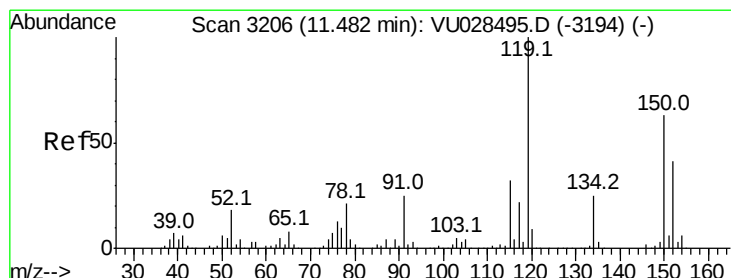
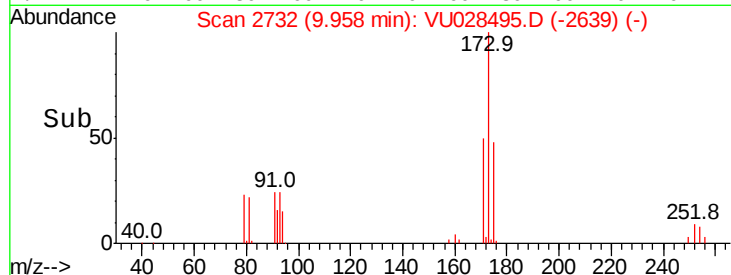
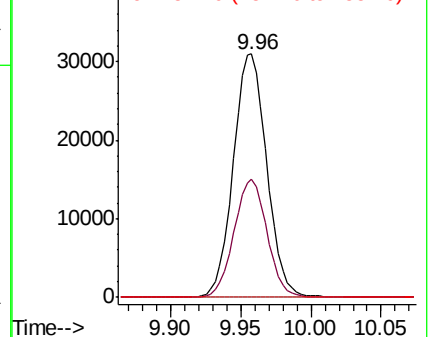


Abundance

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: VU028495.D

Acq: 06 Dec 2018 12:33

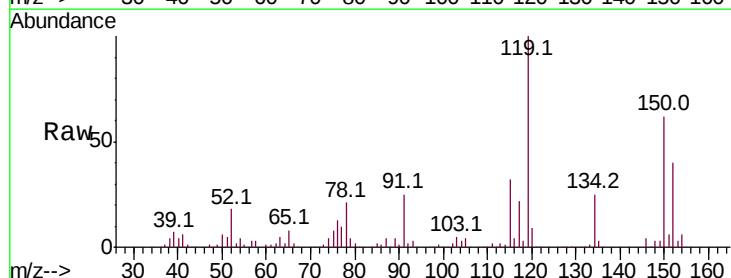
Tgt Ion:152 Resp: 84864

Ion Ratio Lower Upper

152 100

115 85.4 42.7 128.1

150 173.0 0.0 346.0

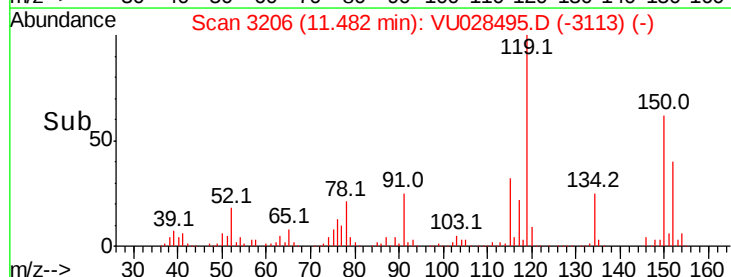
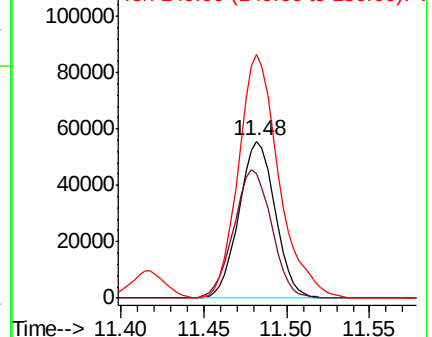


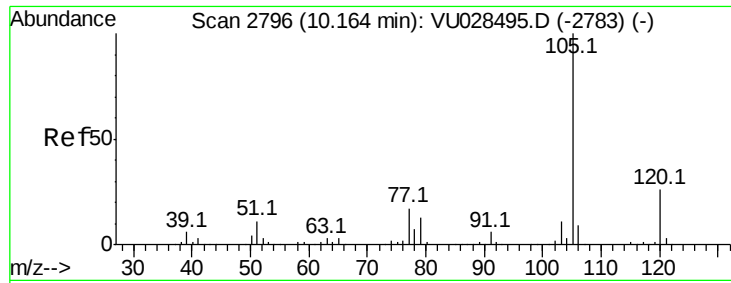
Abundance

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: 48.921 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 318569

Ion Ratio Lower Upper

105 100

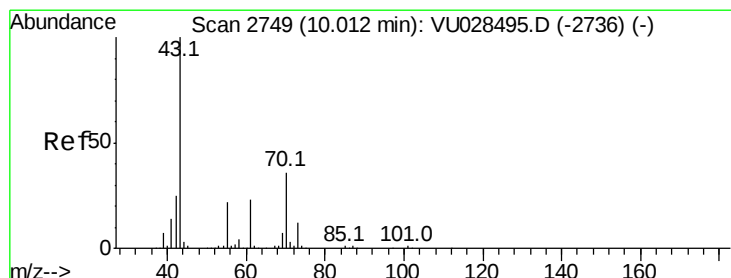
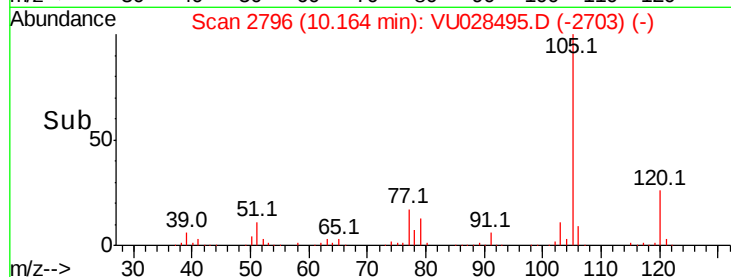
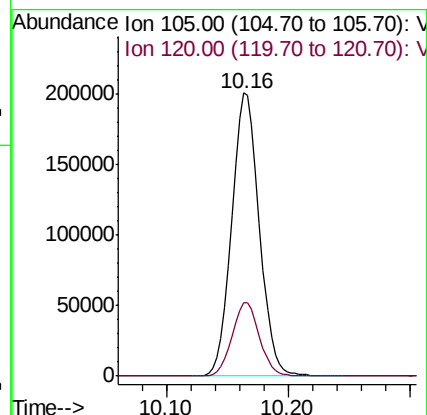
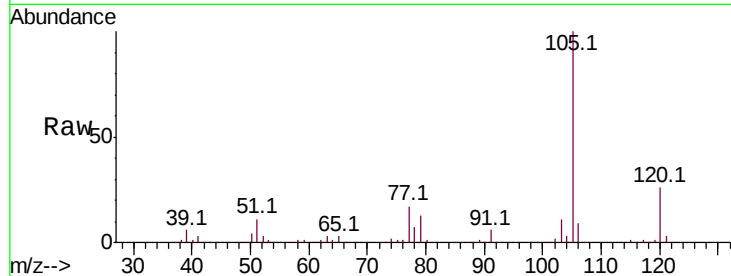
120 25.7 12.9 38.6

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#74

N-ethyl acetate

Concen: 49.609 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Tgt Ion: 43 Resp: 186346

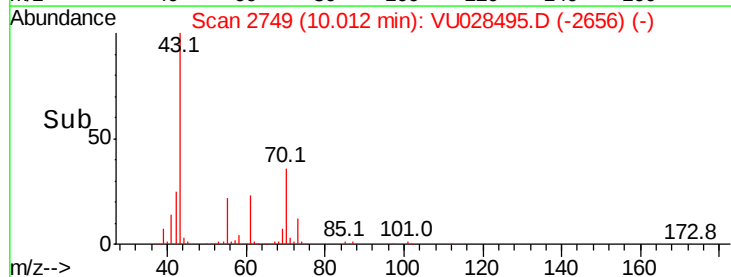
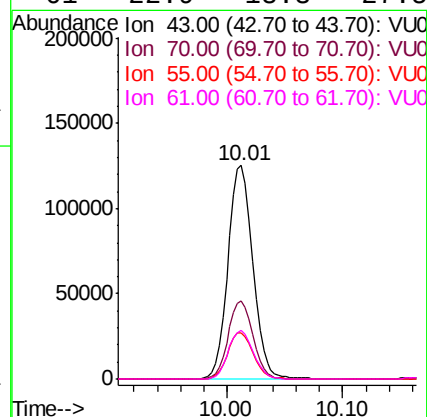
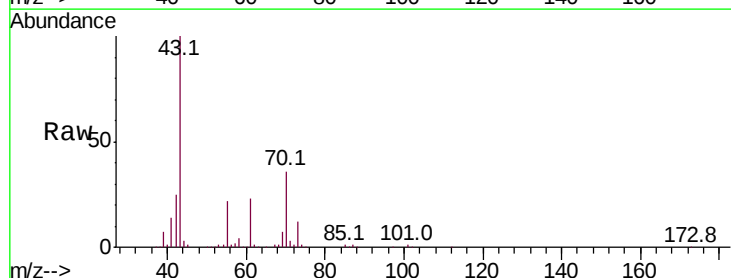
Ion Ratio Lower Upper

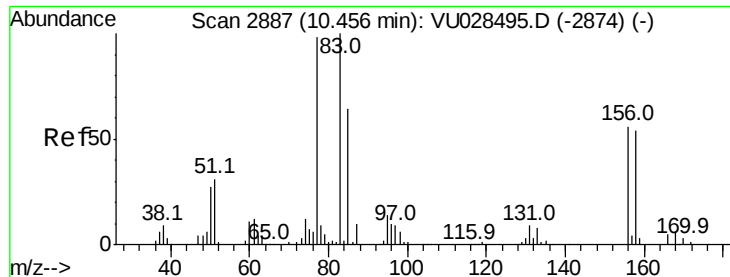
43 100

70 36.6 29.3 43.9

55 22.5 18.0 27.0

61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.934 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 124910

Ion Ratio Lower Upper

83 100

131 8.3 4.2 12.4

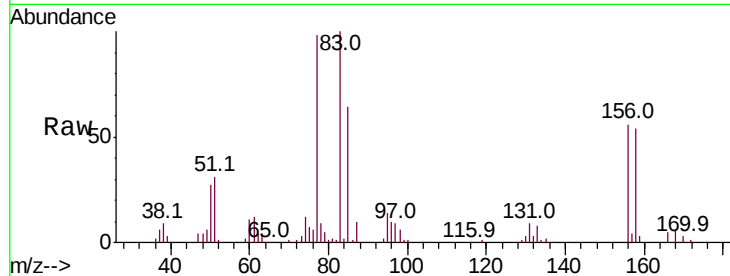
85 63.6 31.8 95.4

Manual Integrations

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Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0

100000

80000

60000

40000

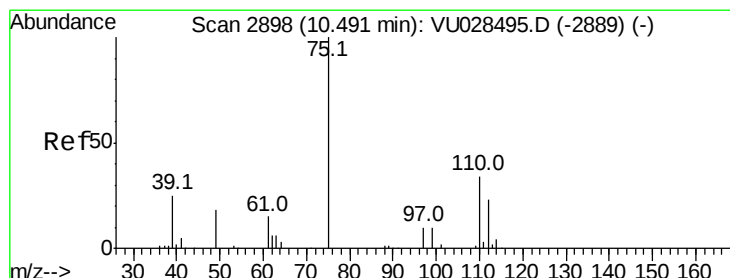
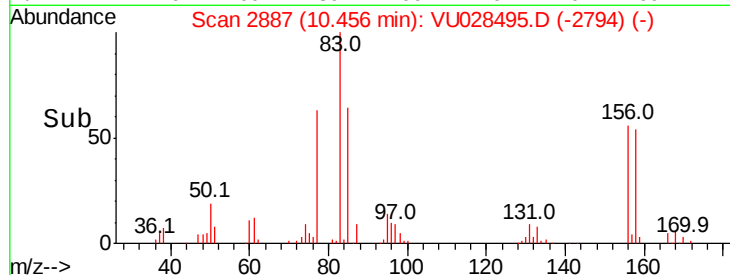
20000

0

10.40

10.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 44.946 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU028495.D

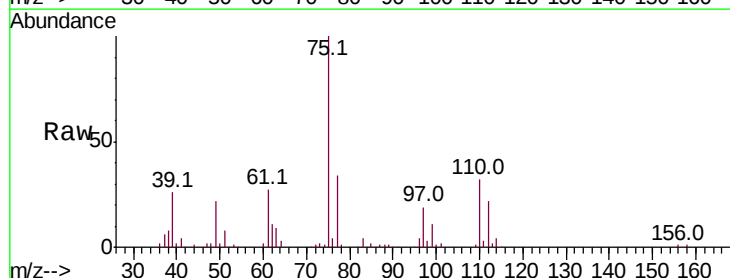
Acq: 06 Dec 2018 12:33

Tgt Ion: 75 Resp: 110041

Ion Ratio Lower Upper

75 100

77 41.6 20.8 62.4



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

100000

80000

60000

40000

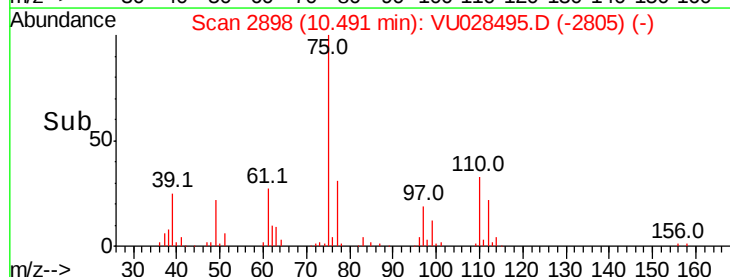
20000

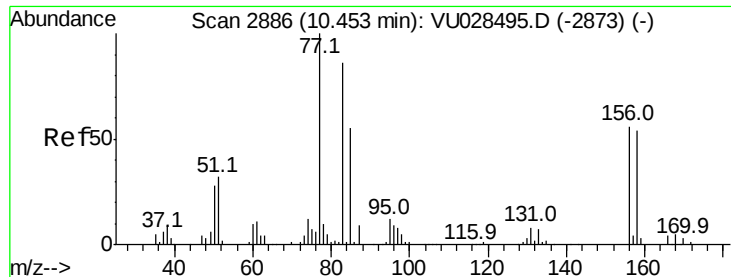
0

10.45

10.50

Time-->





#77

Bromobenzene

Concen: 49.533 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 75438

Ion Ratio Lower Upper

156 100

77 184.8 92.4 277.2

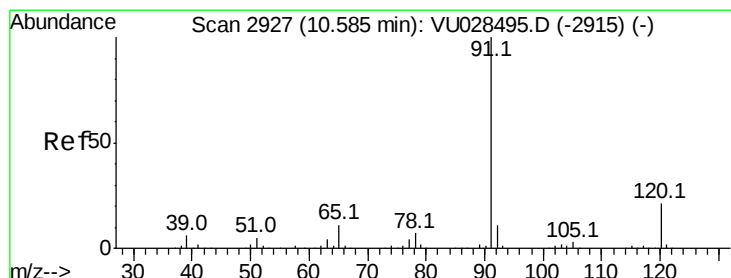
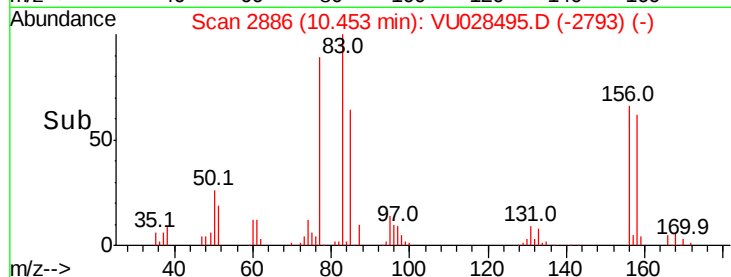
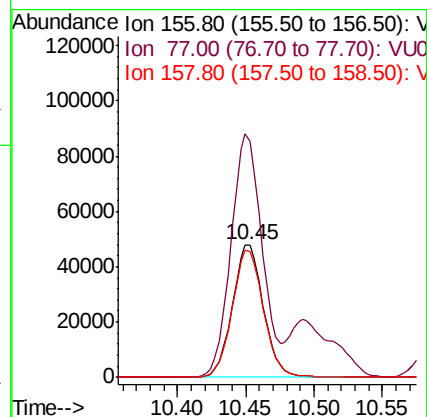
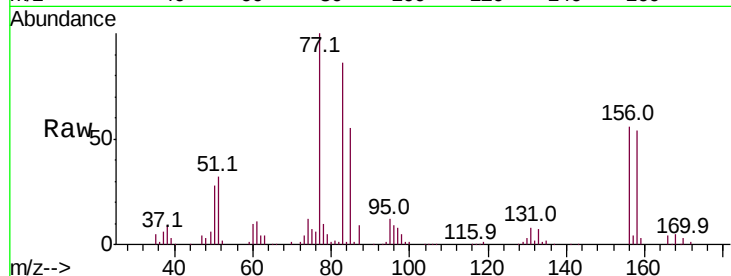
158 96.9 48.4 145.3

Manual Integrations

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#78

n-propylbenzene

Concen: 49.366 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU028495.D

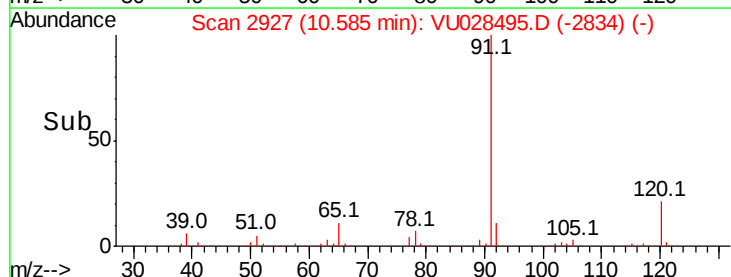
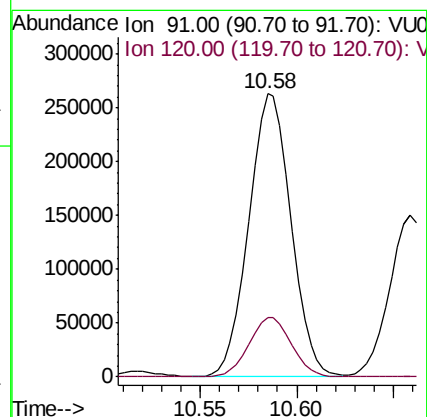
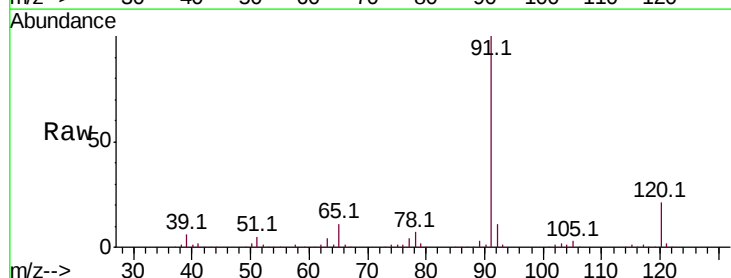
Acq: 06 Dec 2018 12:33

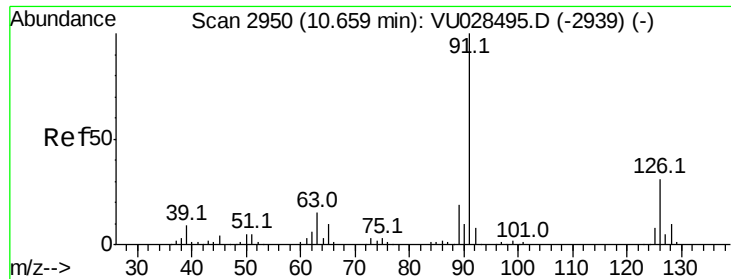
Tgt Ion: 91 Resp: 399454

Ion Ratio Lower Upper

91 100

120 21.2 10.6 31.8





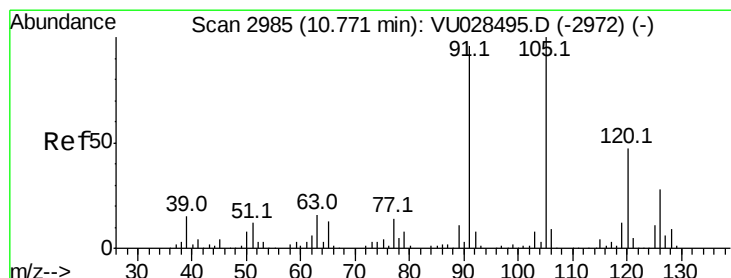
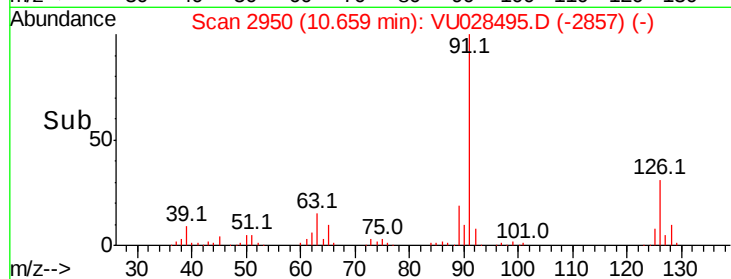
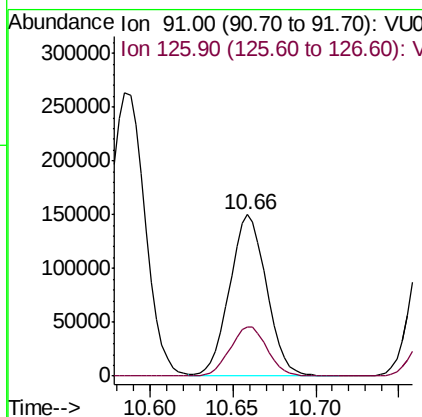
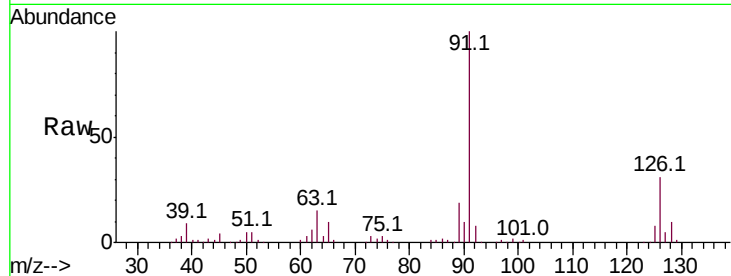
#79
 2-Chlorotoluene
 Concen: 49.544 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8

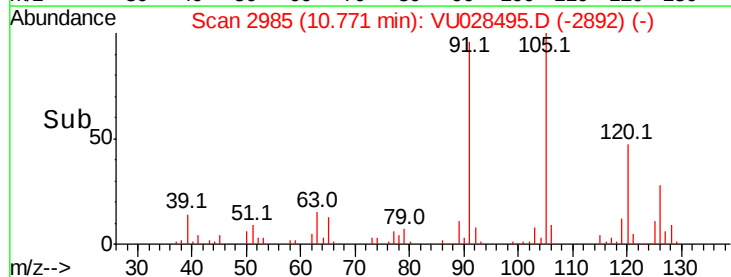
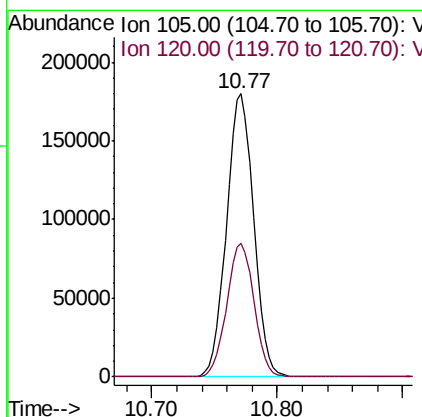
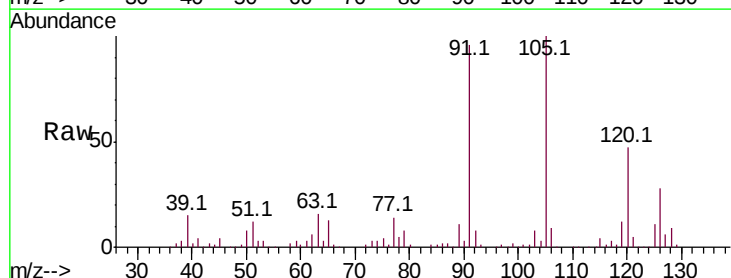
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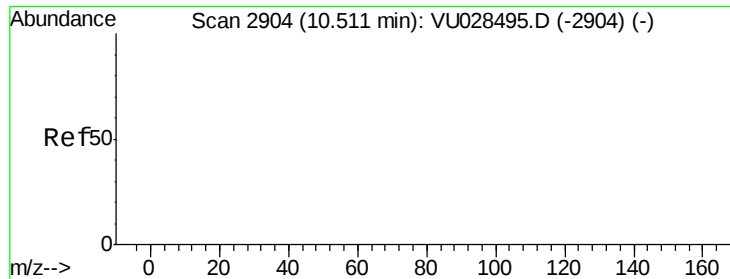
MMDadoda
 12/7/2018 10:34:56 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.008 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1





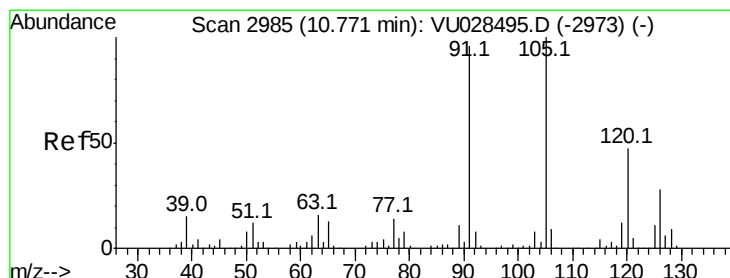
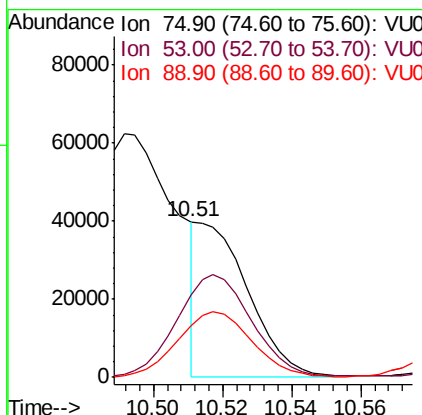
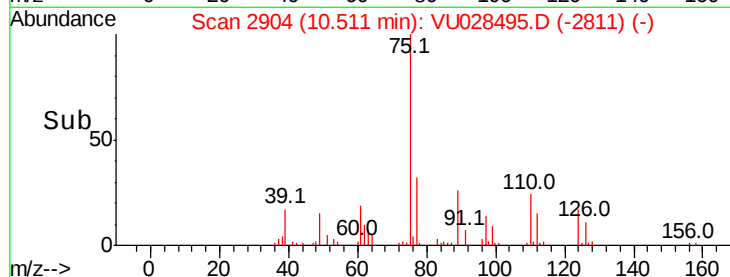
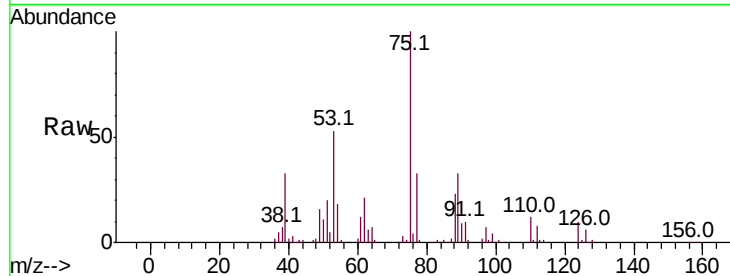
#81
trans-1,4-Dichloro-2-butene
Concen: 33.310 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

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

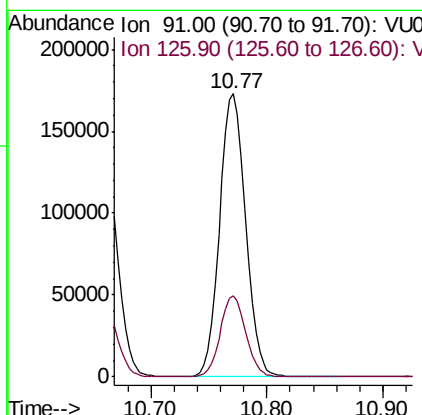
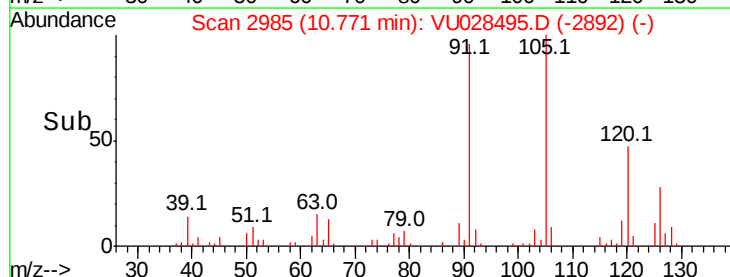
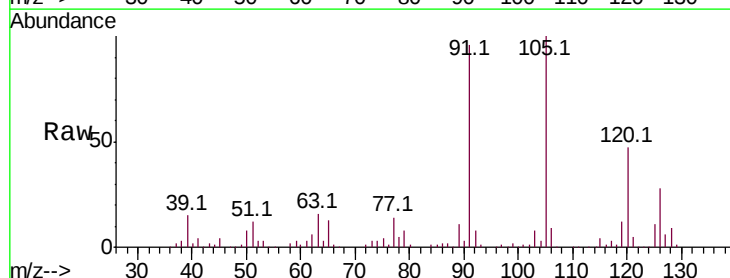
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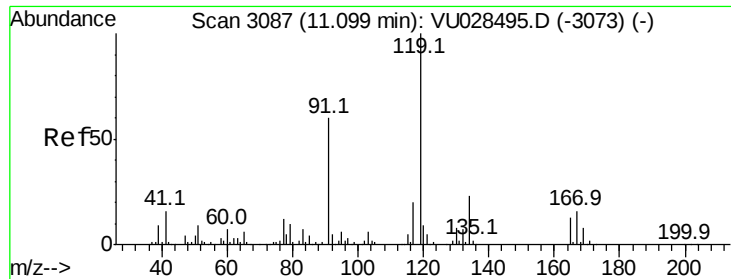
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#82
4-Chlorotoluene
Concen: 48.550 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.3





#83

tert-Butylbenzene

Concen: 49.362 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

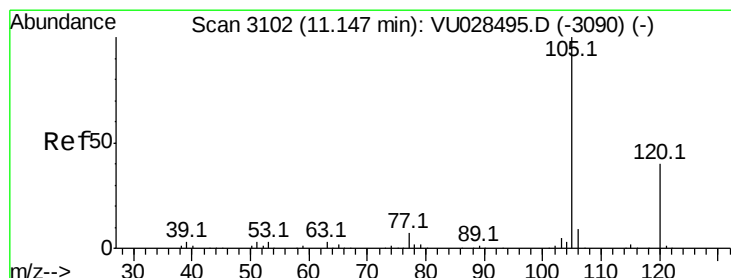
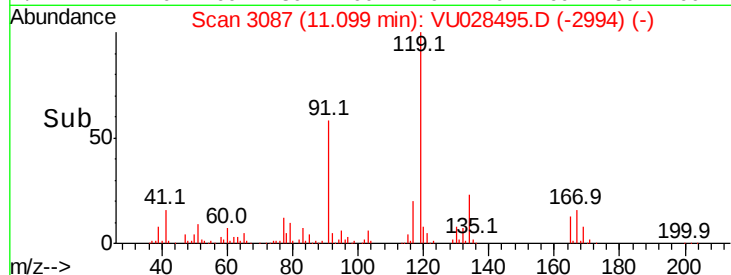
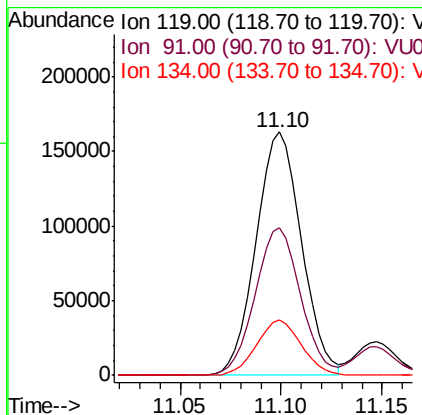
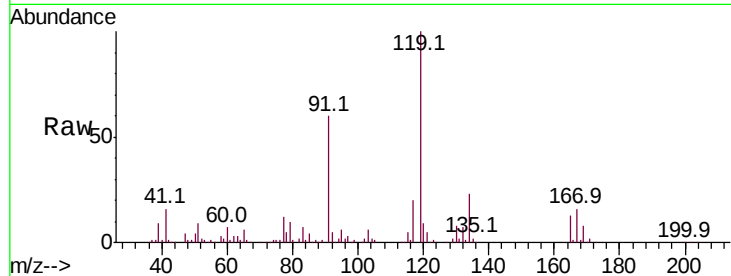
ClientSampleId :

VSTDICCC050

Tot Ion:	119	Resp:	256466
Ion Ratio	Lower	Upper	
119	100		
91	60.7	30.3	91.0
134	22.3	11.2	33.5

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#84

1,2,4-Trimethylbenzene

Concen: 49.738 ug/l

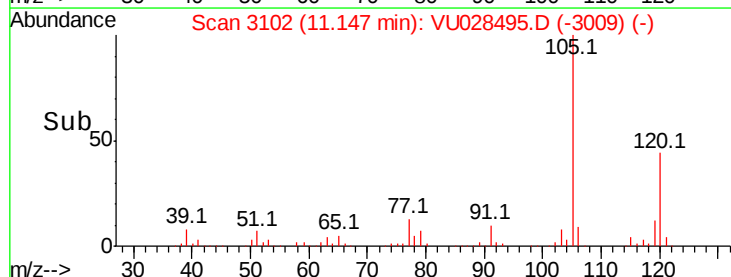
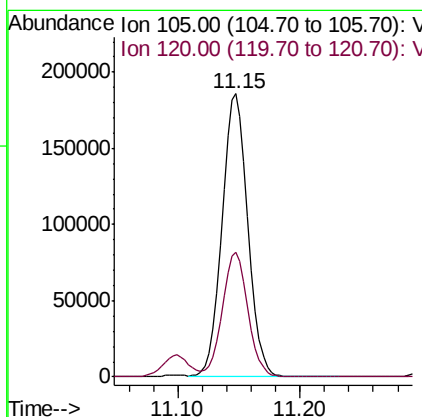
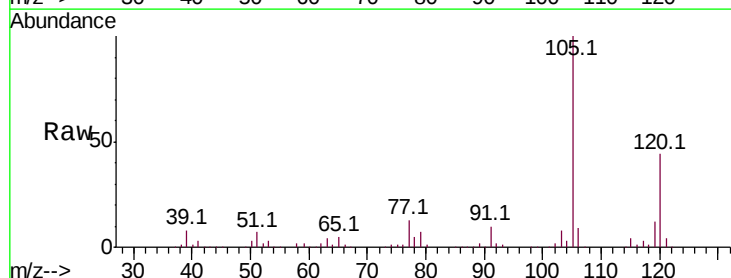
RT: 11.15 min Scan# 3102

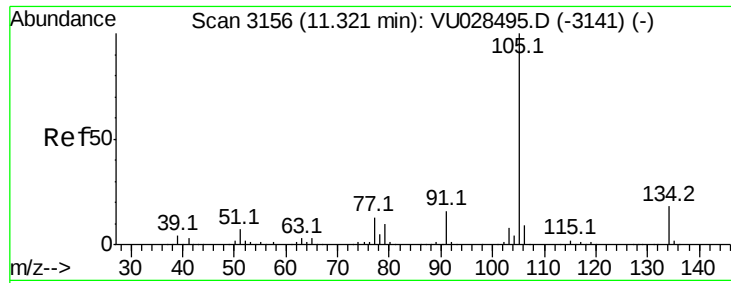
Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Tgt Ion:	105	Resp:	276303
Ion Ratio	Lower	Upper	
105	100		
120	43.6	21.8	65.4





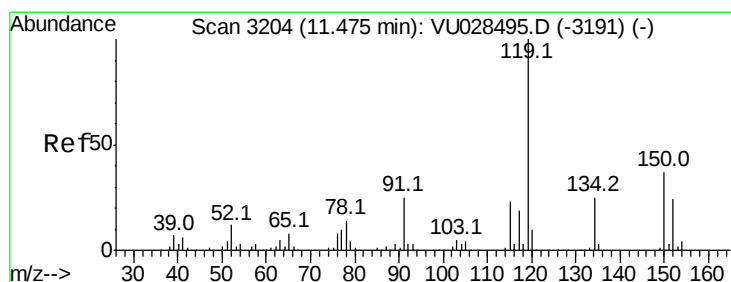
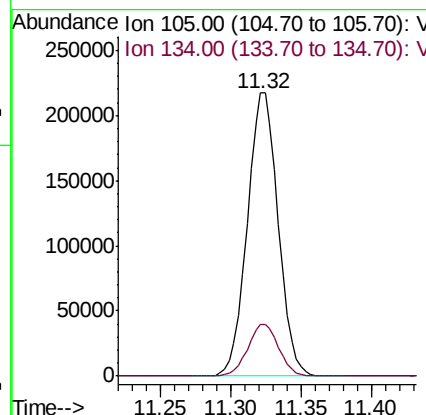
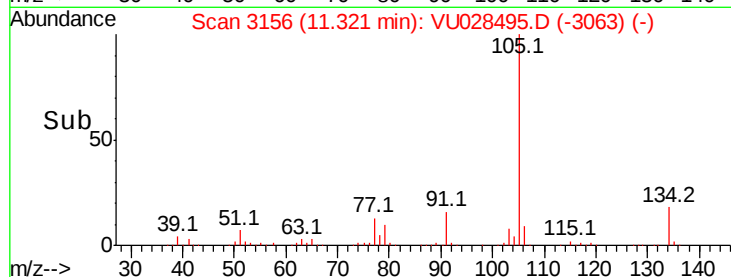
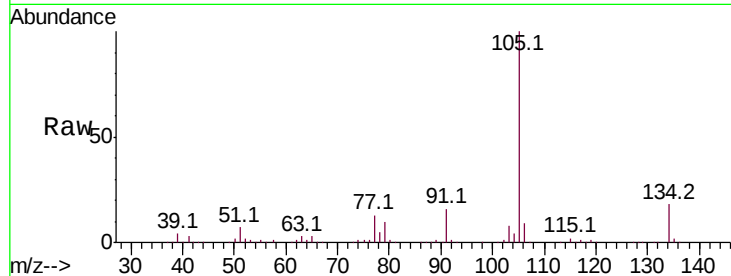
#85
 sec-Butylbenzene
 Concen: 49.821 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	332535		
134	18.4	9.2	27.6	

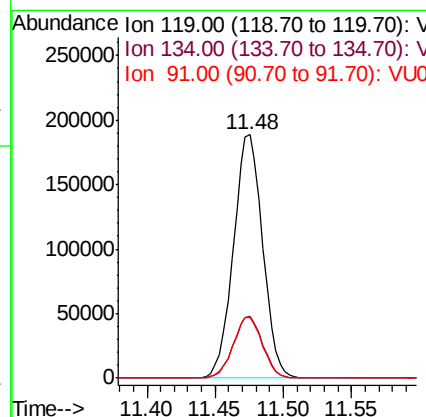
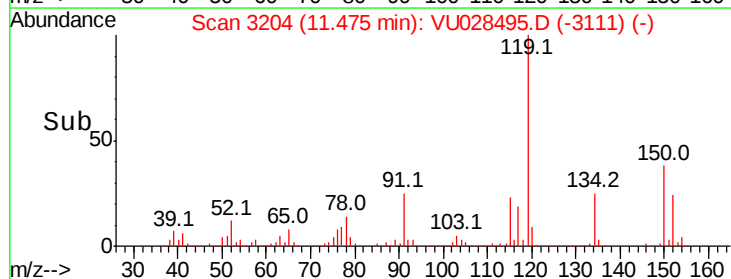
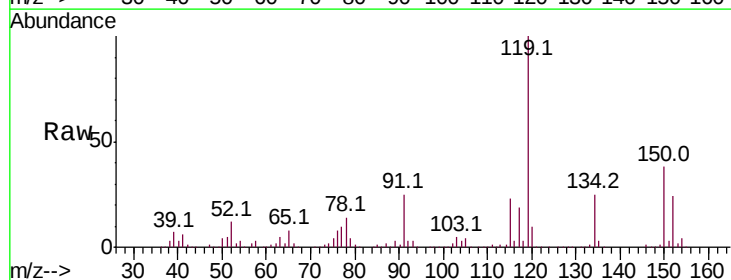
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 49.389 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	280031		
134	25.4	12.7	38.1	
91	25.1	12.6	37.6	





#87

1,3-Dichlorobenzene

Concen: 48.361 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Instrument :

MSVOA_U

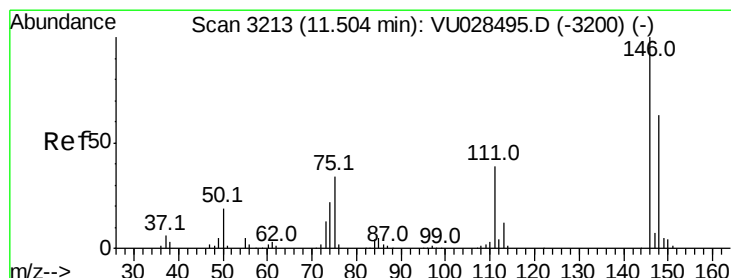
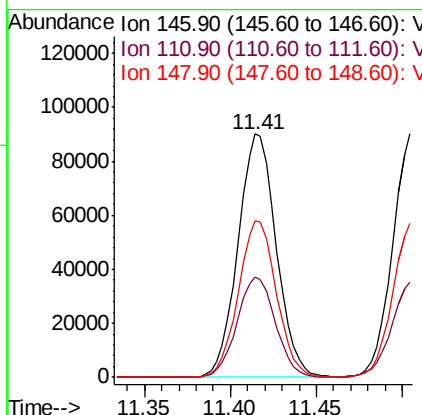
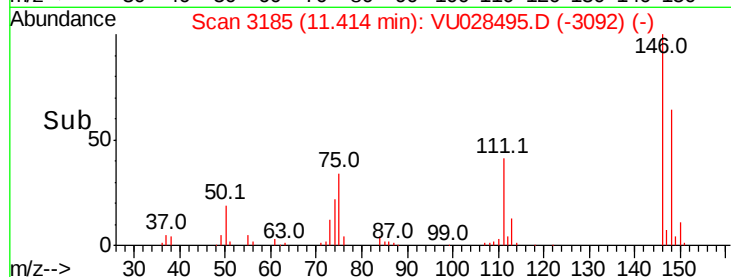
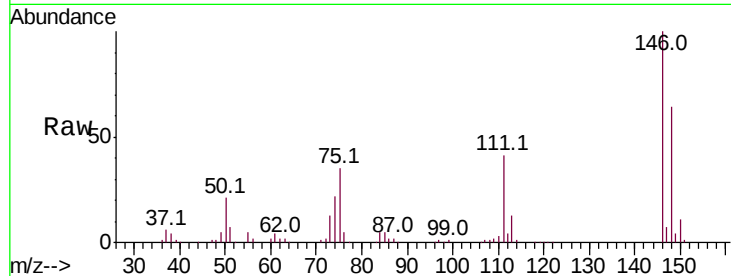
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	139074
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.7	62.1
148	63.8	31.9	95.7

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#88

1,4-Dichlorobenzene

Concen: 47.266 ug/l

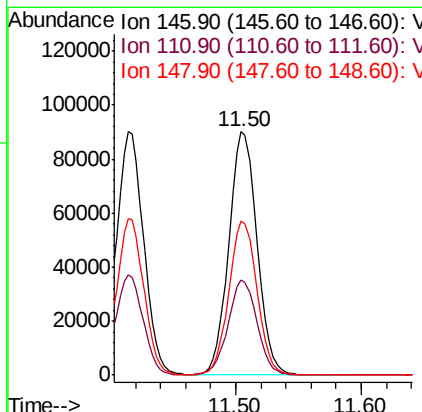
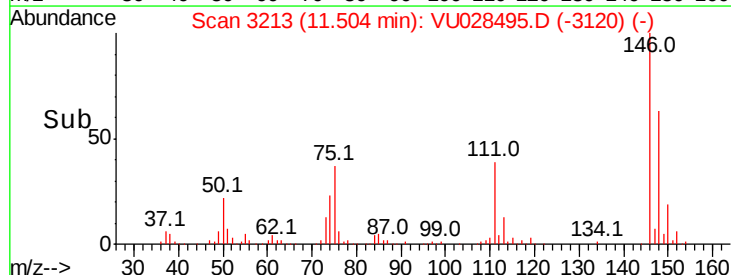
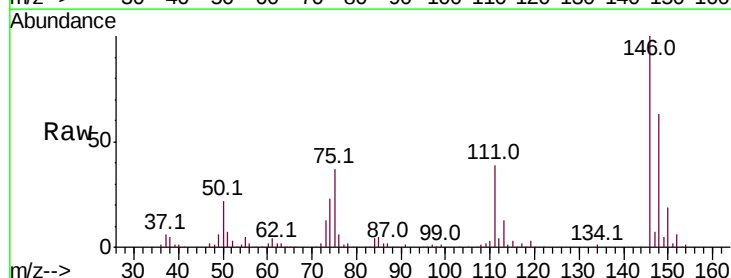
RT: 11.50 min Scan# 3213

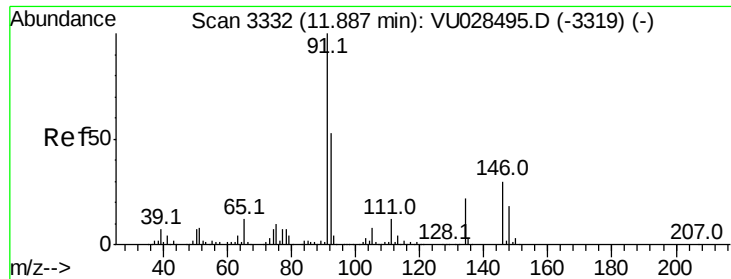
Delta R.T. 0.00 min

Lab File: VU028495.D

Acq: 06 Dec 2018 12:33

Tgt Ion:	146	Resp:	140630
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.2	60.5
148	63.3	31.6	95.0





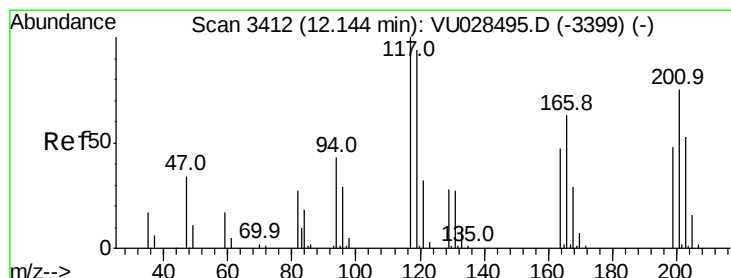
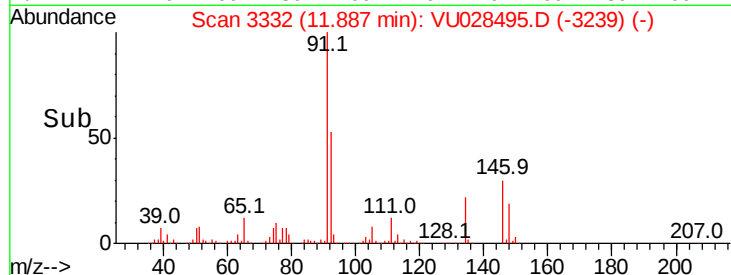
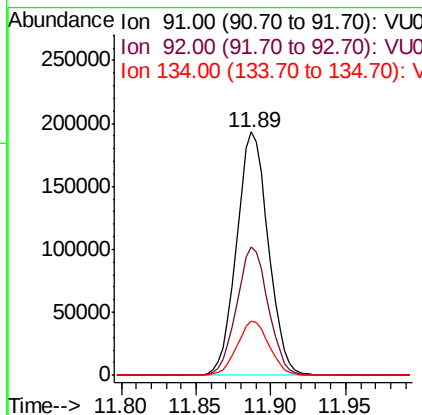
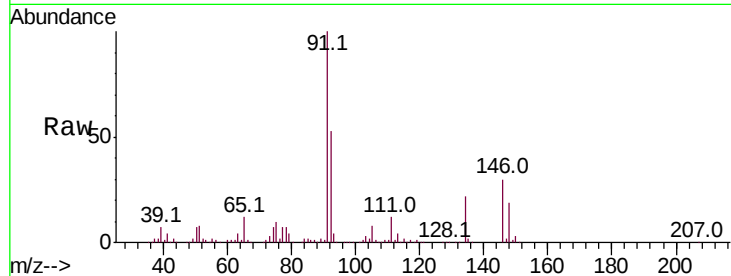
#89
n-Butylbenzene
Concen: 49.739 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	22.5	11.3	33.8

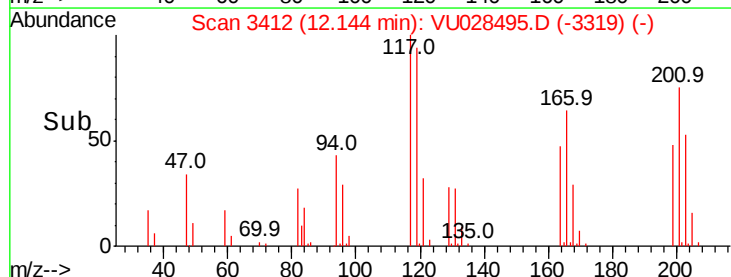
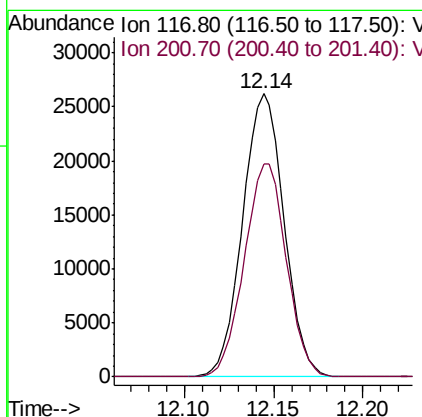
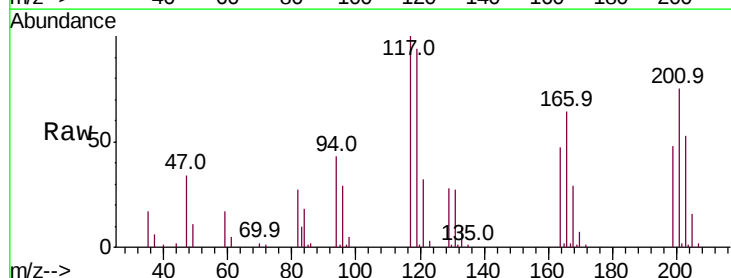
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#90
Hexachloroethane
Concen: 49.605 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.3	38.1	114.5





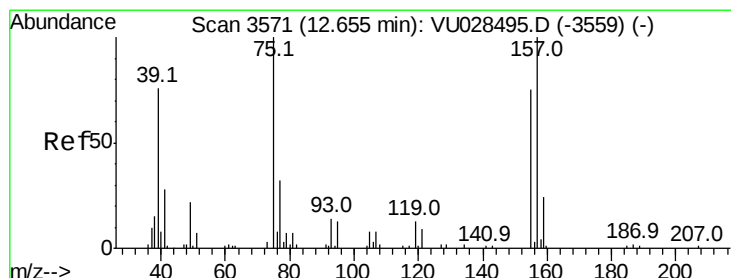
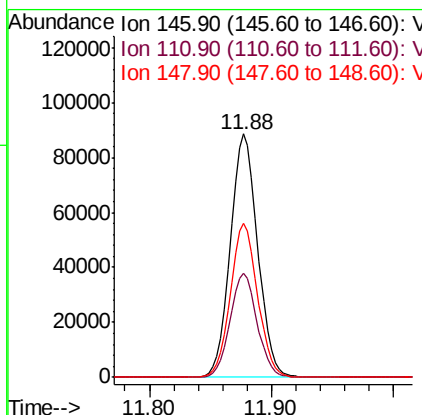
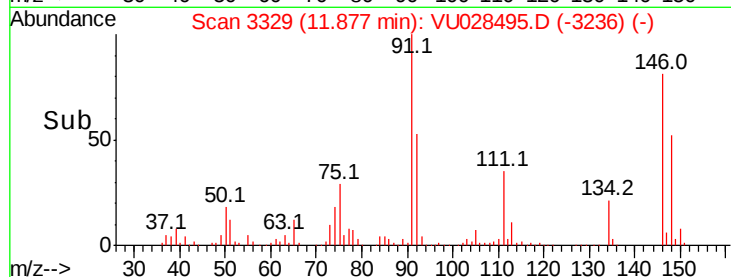
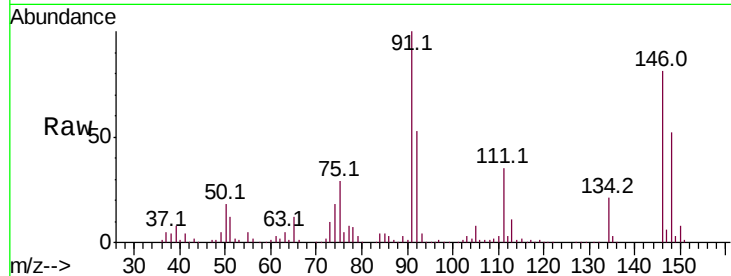
#91
 1,2-Dichlorobenzene
 Concen: 48.143 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion:	146	Resp:	138487
Ion Ratio	Lower	Upper	
146	100		
111	42.3	21.1	63.4
148	62.8	31.4	94.2

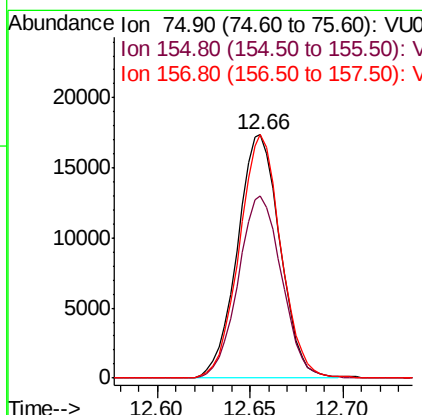
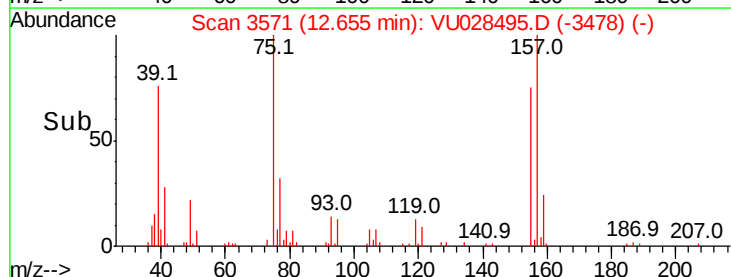
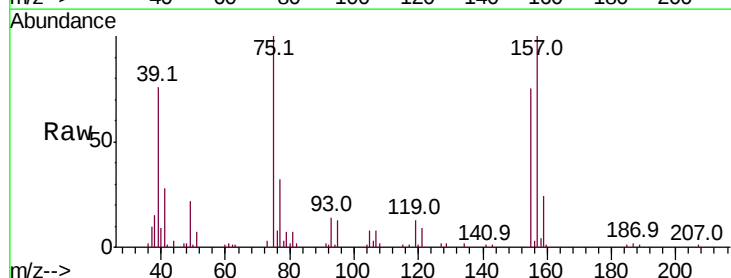
Manual Integrations
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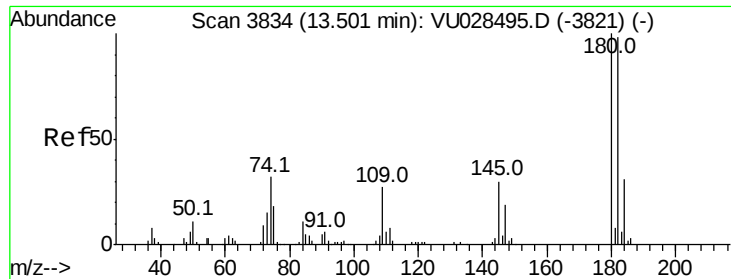
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.135 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Tgt Ion:	75	Resp:	27693
Ion Ratio	Lower	Upper	
75	100		
155	76.3	38.1	114.5
157	97.4	48.7	146.1





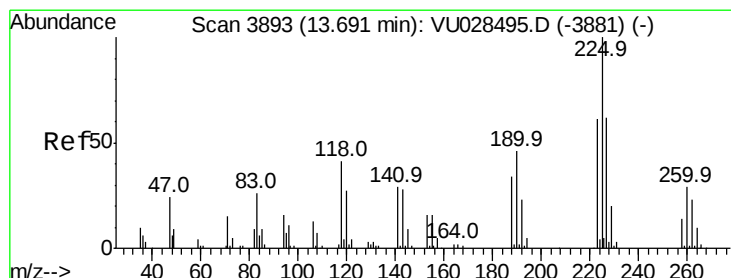
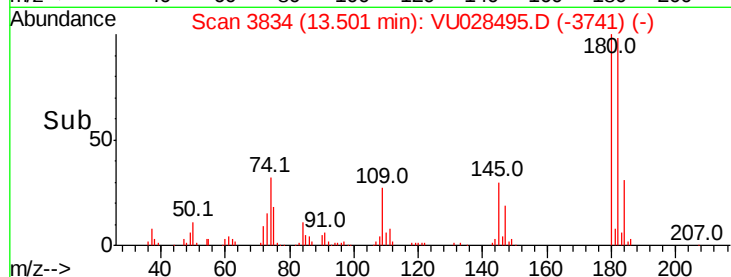
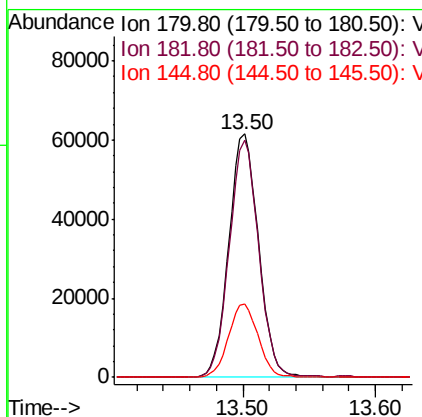
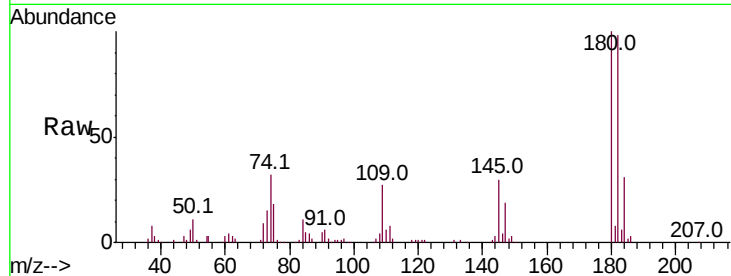
#93
 1,2,4-Trichlorobenzene
 Concen: 46.623 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.8
145	30.1	15.0	45.1

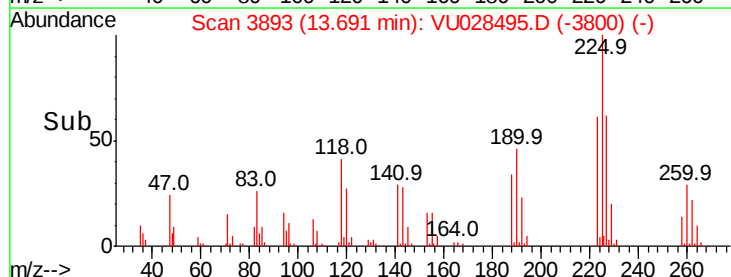
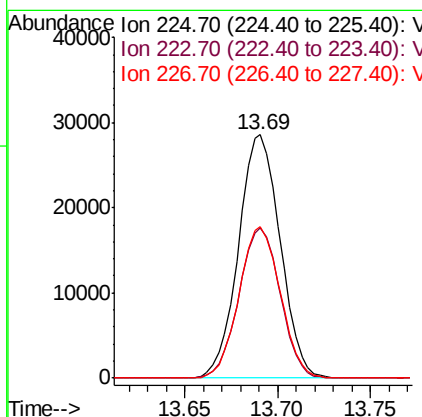
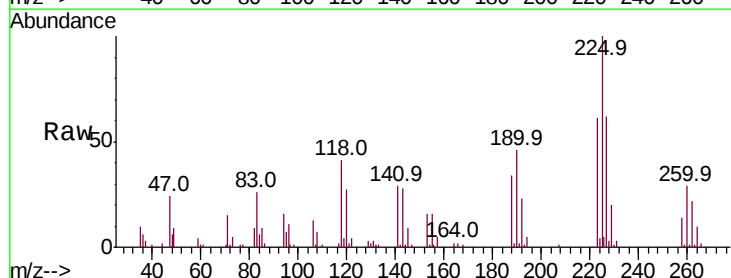
Manual Integrations
 APPROVED

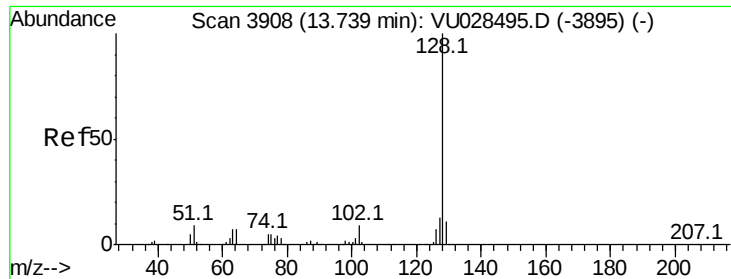
MMDadoda
 12/7/2018 10:34:56 AM



#94
 Hexachlorobutadiene
 Concen: 47.549 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028495.D
 Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	30.4	91.2
227	61.4	30.7	92.1





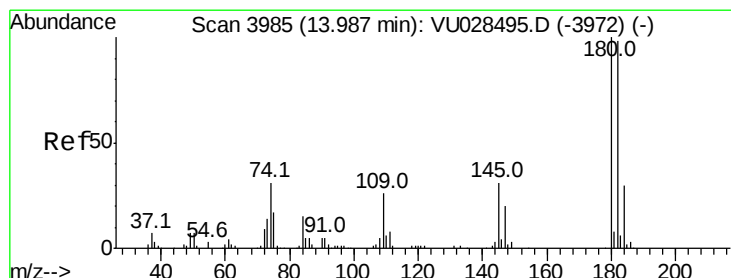
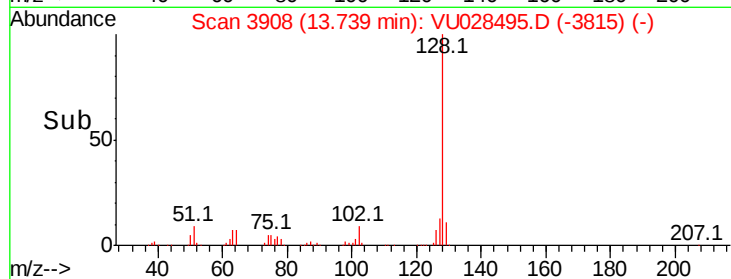
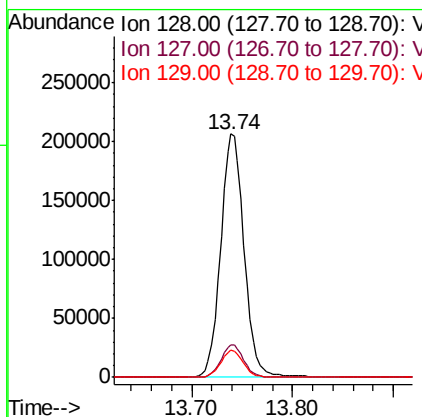
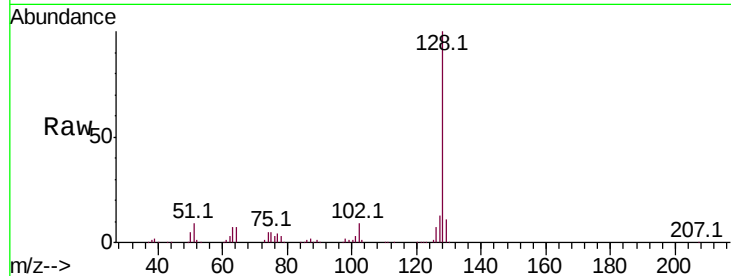
#95
Naphthalene
Concen: 48.514 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/7/2018 10:34:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.169 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028495.D
Acq: 06 Dec 2018 12:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.2	144.6
145	31.5	15.8	47.3

