

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028492.D
 Acq On : 06 Dec 2018 11:22
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 10:34:32 AM

Quant Time: Dec 07 00:18:37 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	106724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	184734	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	168986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	74458	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	1354	0.947 ug/l	98
3) Chloromethane	1.33	50	2844	1.081 ug/l	100
4) Vinyl Chloride	1.40	62	1884	0.993 ug/l	98
5) Bromomethane	1.63	94	855	1.118 ug/l	93
6) Chloroethane	1.70	64	995	0.926 ug/l	92
7) Trichlorofluoromethane	1.89	101	2050	1.027 ug/l	91
8) Diethyl Ether	2.10	74	1054	1.128 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	1196	1.001 ug/l	97
12) 1,1-Dichloroethene	2.29	96	1265	1.065 ug/l #	77
14) Allyl chloride	2.59	41	3188	1.134 ug/l #	92
15) Acrylonitrile	2.95	53	4918	4.882 ug/l	93
16) Acetone	2.32	43	6547	6.160 ug/l	93
17) Carbon Disulfide	2.48	76	4879	1.140 ug/l	99
18) Methyl Acetate	2.62	43	2676	0.971 ug/l	94
19) Methyl tert-butyl Ether	3.00	73	4403	0.977 ug/l	94
20) Methylene Chloride	2.70	84	1968	1.256 ug/l	85
21) trans-1,2-Dichloroethene	2.98	96	1326	0.991 ug/l	92
22) Diisopropyl ether	3.57	45	5325	0.974 ug/l #	78
23) Vinyl Acetate	3.53	43	21321	4.729 ug/l	96
24) 1,1-Dichloroethane	3.45	63	3119	1.090 ug/l #	85
25) 2-Butanone	4.28	43	6931	4.772 ug/l	96
26) 2,2-Dichloropropane	4.23	77	2375	1.048 ug/l	91
27) cis-1,2-Dichloroethene	4.23	96	1579	1.043 ug/l	94
28) Bromochloromethane	4.55	49	1242	0.955 ug/l #	94
29) Tetrahydrofuran	4.65	42	4446	4.766 ug/l #	85
30) Chloroform	4.67	83	2349	0.942 ug/l	96
31) Cyclohexane	4.99	56	5540	1.650 ug/l #	36
32) 1,1,1-Trichloroethane	4.92	97	2093	1.010 ug/l #	48
36) 1,1-Dichloropropene	5.13	75	2194	1.085 ug/l	91
37) Ethyl Acetate	4.39	43	2785	1.066 ug/l #	76
38) Carbon Tetrachloride	5.13	117	1679	1.030 ug/l	83
39) Methylcyclohexane	6.41	83	2574	1.044 ug/l	84
40) Benzene	5.40	78	5905	0.992 ug/l	96
41) Methacrylonitrile	4.56	41	1191	0.832 ug/l #	29

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	5.40	62	2096	1.006	ug/l	81
43) Isopropyl Acetate	5.56	43	3865	0.935	ug/l #	93
44) Trichloroethene	6.19	130	1338	1.011	ug/l	96
45) 1,2-Dichloropropane	6.44	63	1510	0.902	ug/l #	89
46) Dibromomethane	6.57	93	978	0.985	ug/l	97
47) Bromodichloromethane	6.76	83	1953	1.010	ug/l #	97
48) Methyl methacrylate	6.63	41	1835	0.893	ug/l	97
49) 1,4-Dioxane	6.62	88	676	20.828	ug/l #	80
51) 4-Methyl-2-Pentanone	7.46	43	12187	4.675	ug/l	97
52) Toluene	7.64	92	3396	0.969	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	2156	0.936	ug/l	95
54) cis-1,3-Dichloropropene	7.27	75	2451	0.981	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	1292	0.933	ug/l	95
56) Ethyl methacrylate	8.03	69	2159	0.910	ug/l	98
57) 1,3-Dichloropropane	8.24	76	2650	1.031	ug/l #	88
58) 2-Chloroethyl Vinyl ether	7.13	63	5362	4.414	ug/l	96
59) 2-Hexanone	8.37	43	10228	4.950	ug/l	95
60) Dibromochloromethane	8.48	129	1408	1.038	ug/l	73
61) 1,2-Dibromoethane	8.59	107	1269	0.874	ug/l	88
64) Tetrachloroethene	8.23	164	1267	1.124	ug/l #	87
65) Chlorobenzene	9.12	112	3664	1.018	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	986	0.857	ug/l #	53
67) Ethyl Benzene	9.25	91	6647	1.004	ug/l	96
68) m/p-Xylenes	9.38	106	4460	1.852	ug/l	83
69) o-Xylene	9.78	106	2247	0.960	ug/l	100
70) Styrene	9.79	104	3659	0.945	ug/l	95
71) Bromoform	9.95	173	854	0.873	ug/l #	88
73) Isopropylbenzene	10.17	105	6346	1.111	ug/l	99
74) N-amyl acetate	10.02	43	3613	1.096	ug/l	92
75) 1,1,2,2-Tetrachloroethane	10.46	83	2242	1.022	ug/l	93
76) 1,2,3-Trichloropropane	10.49	75	2007m	0.934	ug/l	
77) Bromobenzene	10.45	156	1422	1.064	ug/l	86
78) n-propylbenzene	10.59	91	7751	1.092	ug/l	100
79) 2-Chlorotoluene	10.66	91	4322	1.057	ug/l	93
80) 1,3,5-Trimethylbenzene	10.77	105	4872	1.030	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	1163m	1.095	ug/l	
82) 4-Chlorotoluene	10.77	91	5433	1.121	ug/l	98
83) tert-Butylbenzene	11.10	119	4831	1.060	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	5062	1.039	ug/l	95
85) sec-Butylbenzene	11.32	105	6220	1.062	ug/l	92
86) p-Isopropyltoluene	11.48	119	5369	1.079	ug/l	97
87) 1,3-Dichlorobenzene	11.42	146	2850	1.130	ug/l	94
88) 1,4-Dichlorobenzene	11.51	146	3209	1.229	ug/l	89
89) n-Butylbenzene	11.89	91	5444	1.081	ug/l	98
90) Hexachloroethane	12.14	117	726	0.966	ug/l	90
91) 1,2-Dichlorobenzene	11.88	146	3011	1.193	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	12.66	75	442	0.930	ug/l	86
93) 1,2,4-Trichlorobenzene	13.50	180	2455	1.357	ug/l	83
94) Hexachlorobutadiene	13.69	225	1003	1.213	ug/l	99
95) Naphthalene	13.75	128	7478	1.235	ug/l #	95

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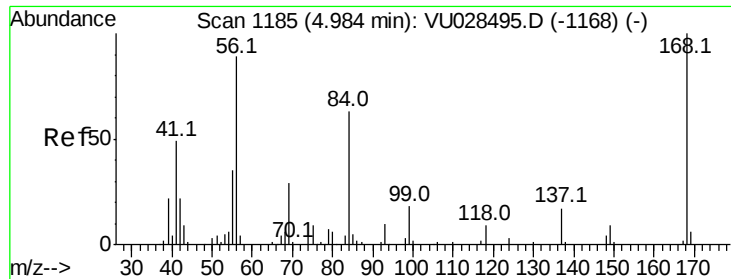
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	13.99	180	2397	1.317	ug/l	87

(#) = 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: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 106724

Ion Ratio Lower Upper

168 100

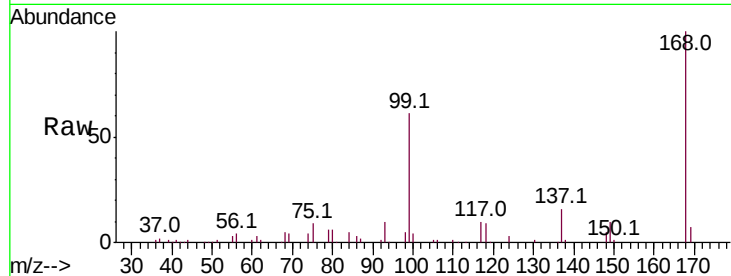
99 60.8 46.6 69.8

Manual Integrations

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

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

4.98

50000

40000

30000

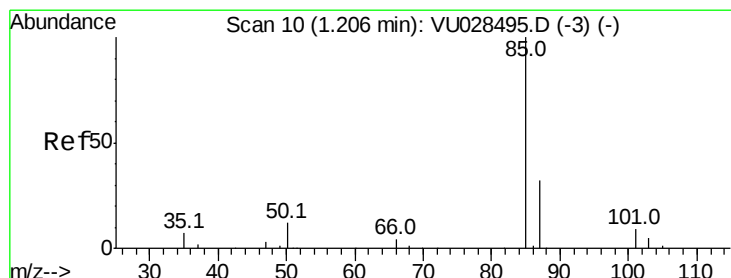
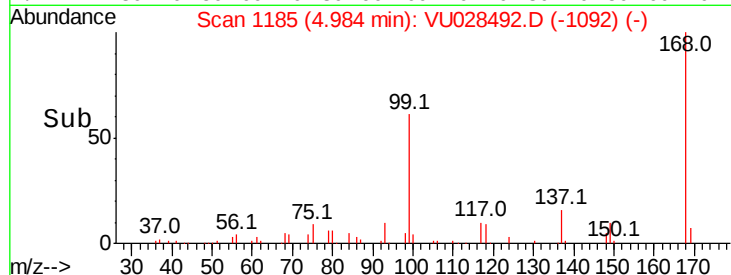
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 0.947 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028492.D

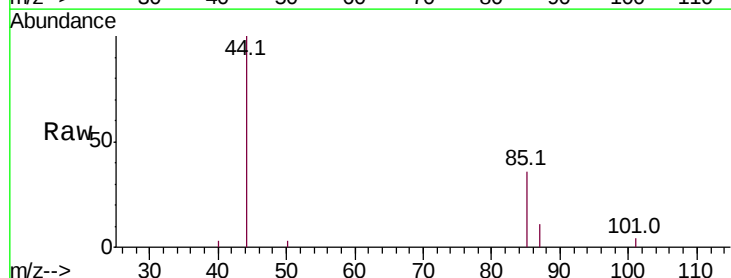
Acq: 06 Dec 2018 11:22

Tgt Ion: 85 Resp: 1354

Ion Ratio Lower Upper

85 100

87 30.9 15.9 47.6



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

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

1.21

1500

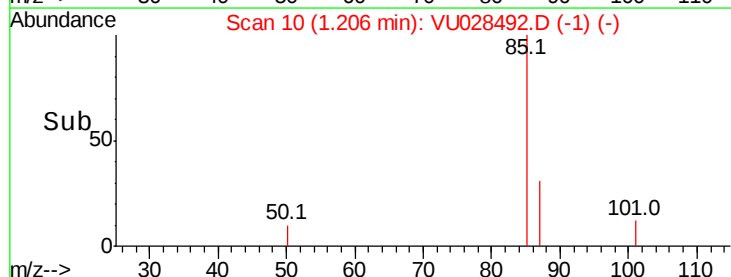
1000

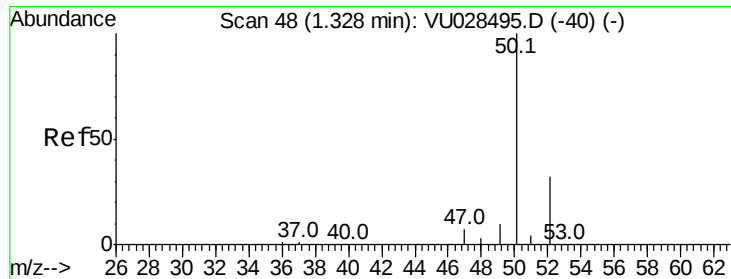
500

0

1.18 1.20 1.22 1.24

Time-->





#3

Chloromethane

Concen: 1.081 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 2844

Ion Ratio Lower Upper

50 100

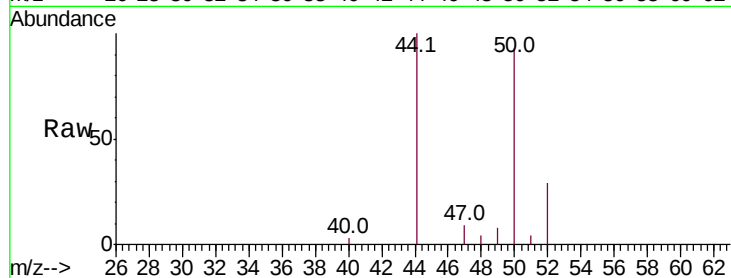
52 31.6 25.5 38.3

Manual Integrations

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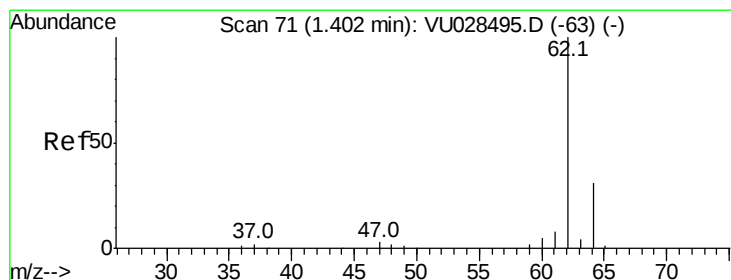
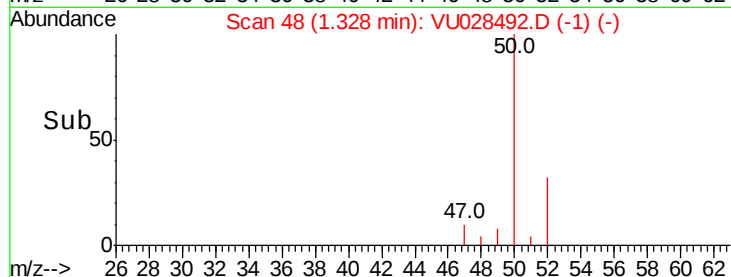
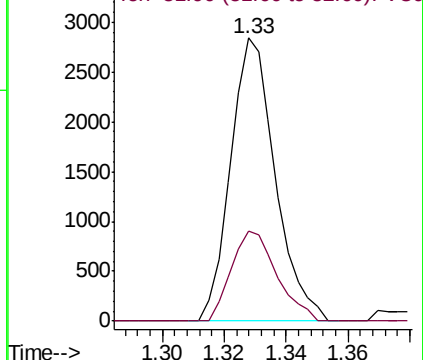
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 0.993 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028492.D

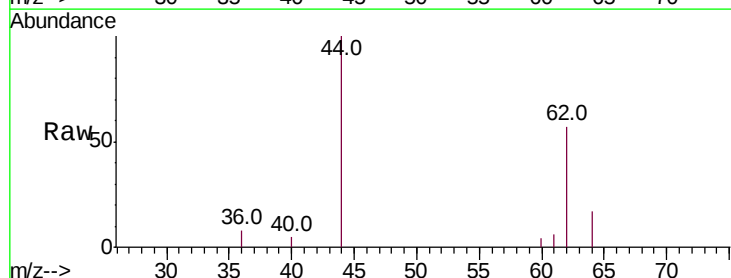
Acq: 06 Dec 2018 11:22

Tgt Ion: 62 Resp: 1884

Ion Ratio Lower Upper

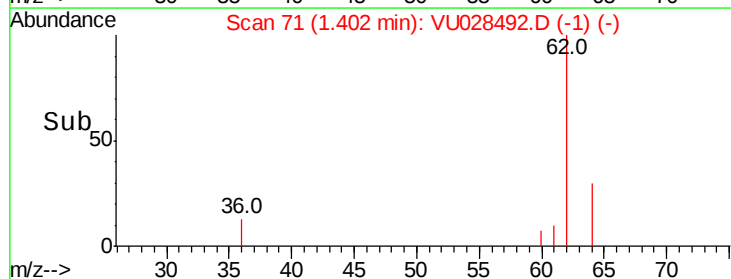
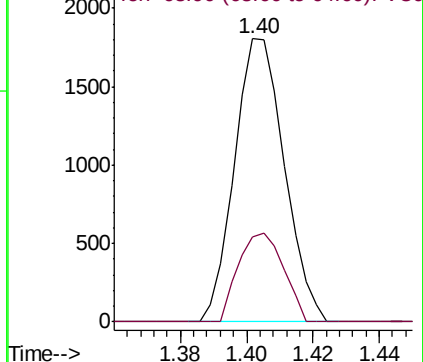
62 100

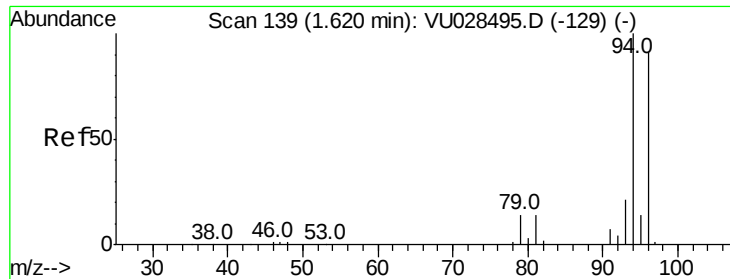
64 30.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 1.118 ug/l

RT: 1.63 min Scan# 142

Delta R.T. 0.01 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 855

Ion Ratio Lower Upper

94 100

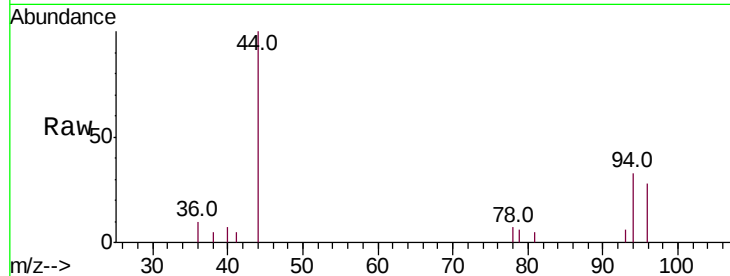
96 85.2 73.2 109.8

Manual Integrations

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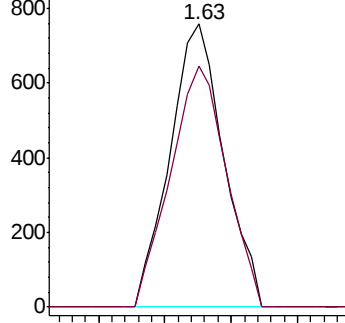
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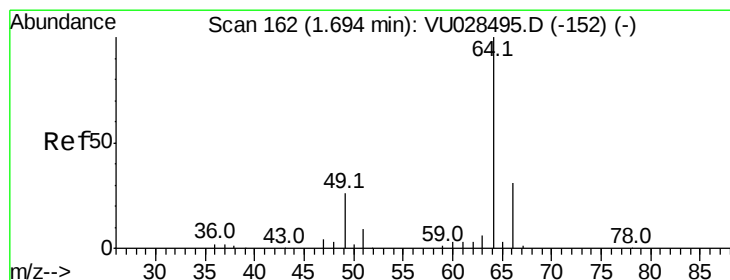
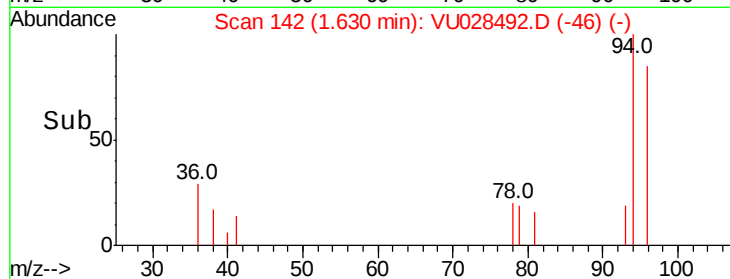


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: 0.926 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU028492.D

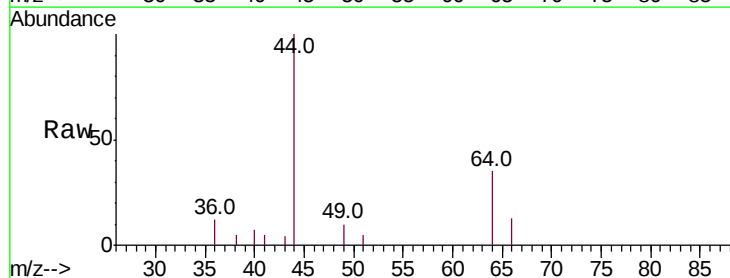
Acq: 06 Dec 2018 11:22

Tgt Ion: 64 Resp: 995

Ion Ratio Lower Upper

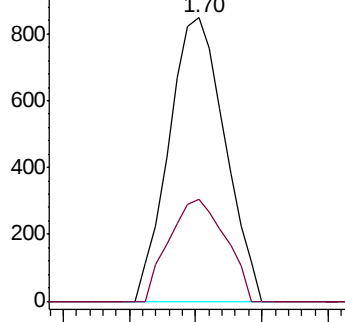
64 100

66 35.8 25.0 37.6

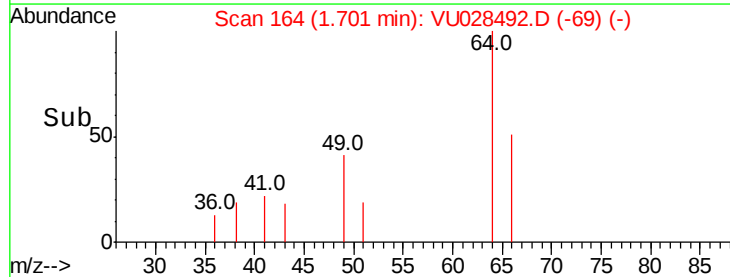


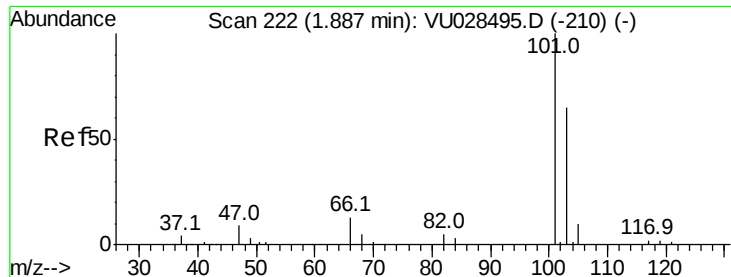
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->





#7

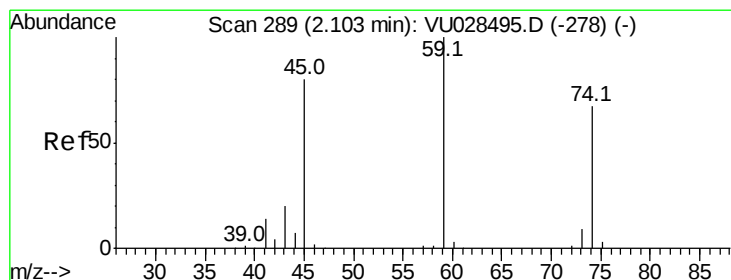
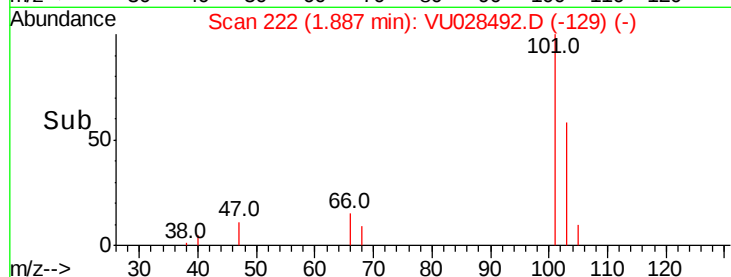
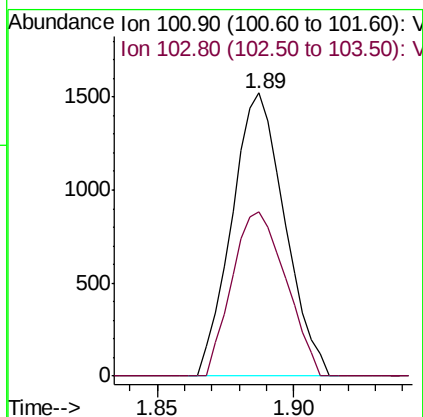
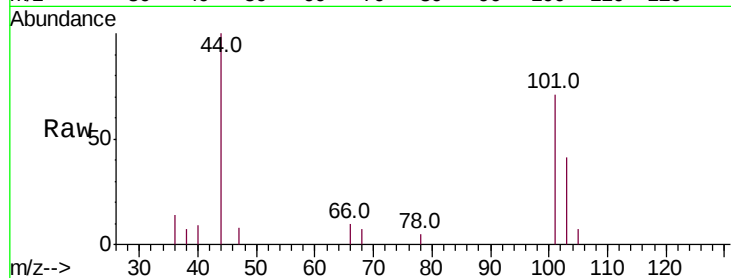
Trichlorofluoromethane
Concen: 1.027 ug/l
RT: 1.89 min Scan# 222
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
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ClientSampleId :
VSTDIC001

Tot Ion:101 Resp: 2050
Ion Ratio Lower Upper
101 100
103 58.1 52.3 78.5

Manual Integrations
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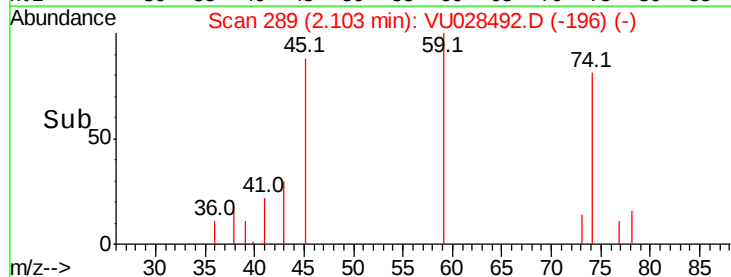
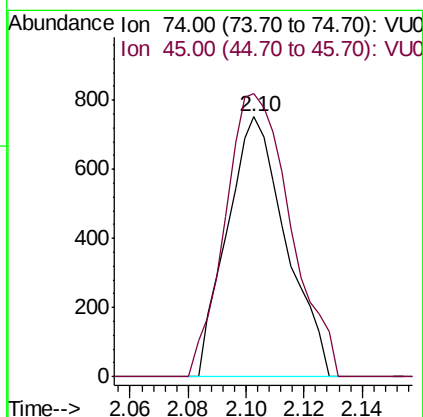
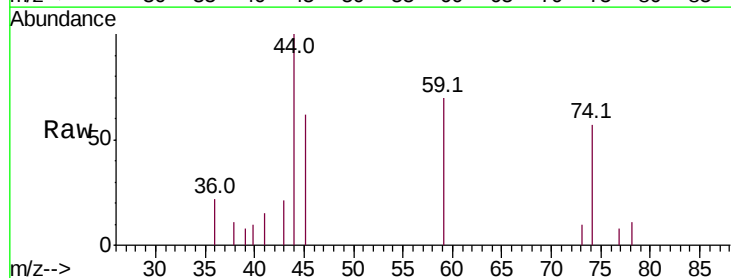
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12/7/2018 10:34:32 AM

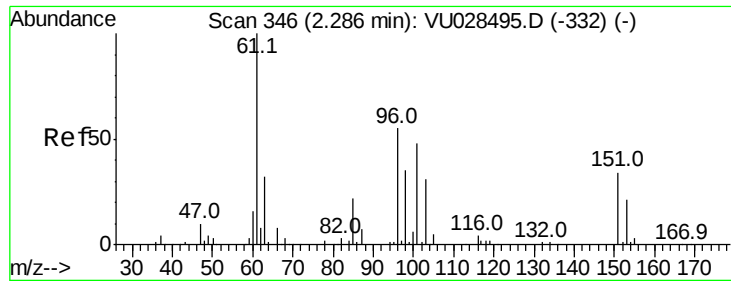


#8

Diethyl Ether
Concen: 1.128 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 74 Resp: 1054
Ion Ratio Lower Upper
74 100
45 121.7 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.001 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

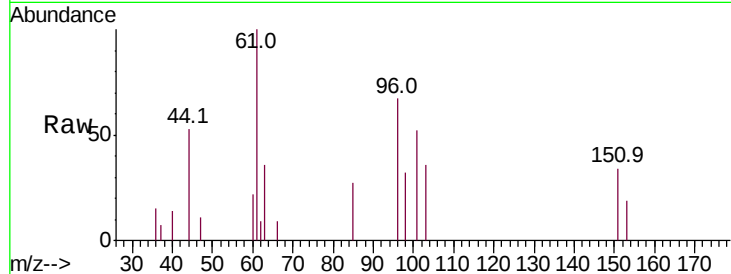
ClientSampleId :

VSTDIC001

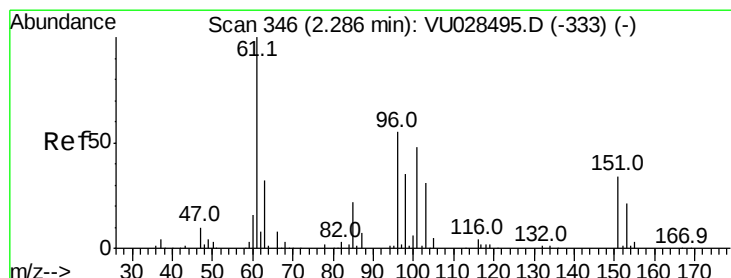
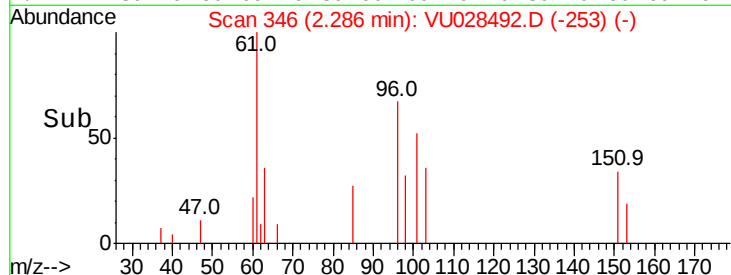
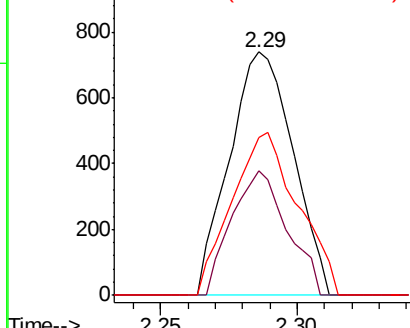
Tot Ion:	101	Resp:	1196
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.4	54.6
151	69.4	58.2	87.2

Manual Integrations
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MMDadoda
12/7/2018 10:34:32 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VU
Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 1.065 ug/l

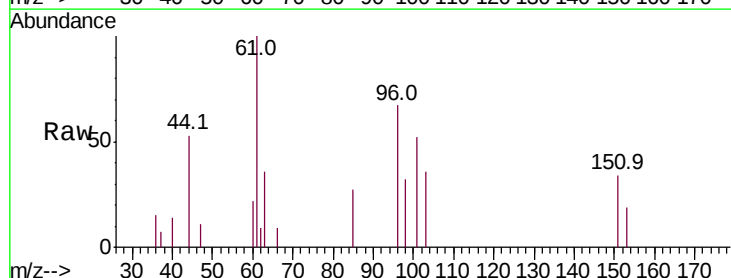
RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

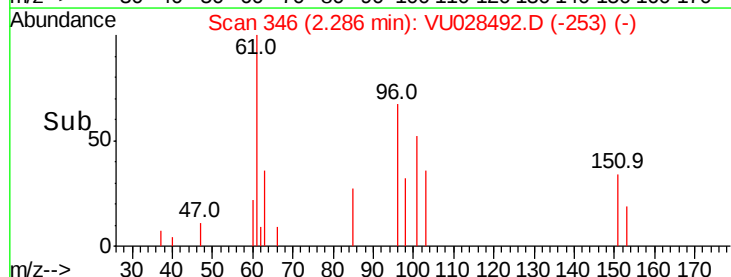
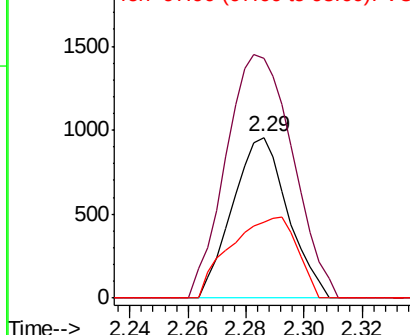
Lab File: VU028492.D

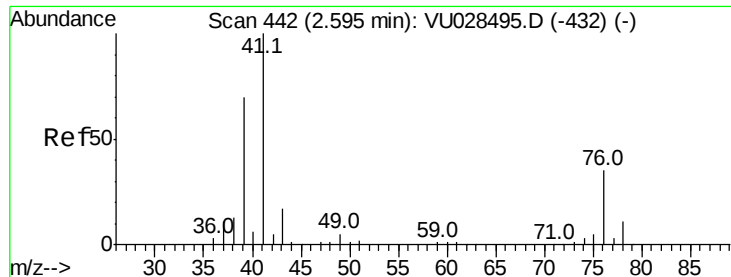
Acq: 06 Dec 2018 11:22

Tgt Ion:	96	Resp:	1265
Ion Ratio	Lower	Upper	
96	100		
61	149.0	146.4	219.6
98	47.4	51.8	77.8#



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





#14

Allvl chloride

Concen: 1.134 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

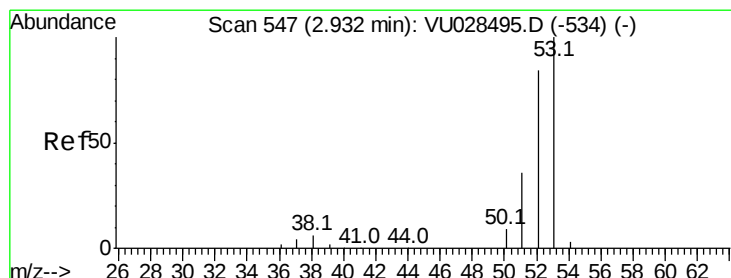
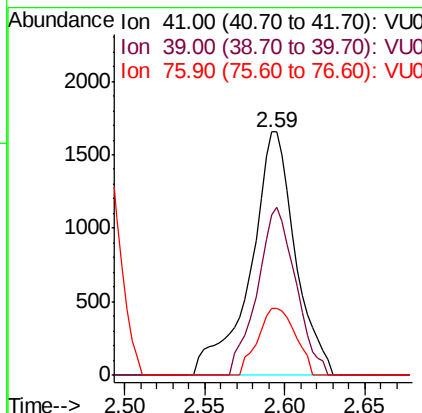
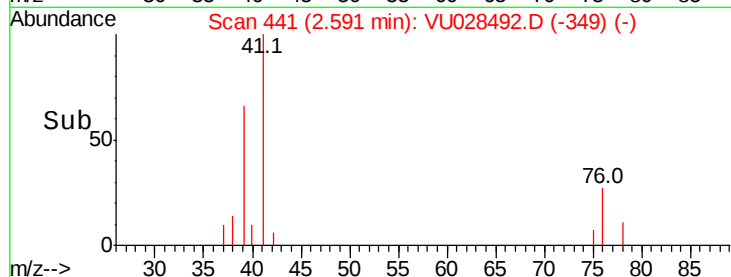
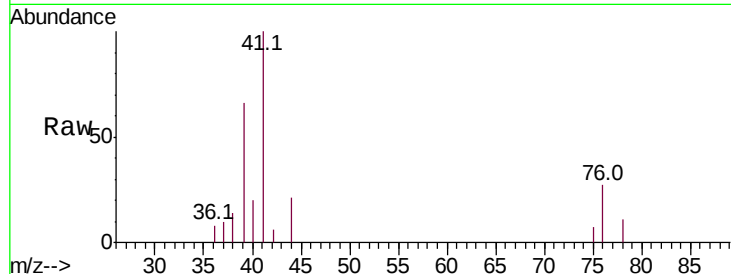
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	3188
Ion	Ratio	Lower	Upper
41	100		
39	59.3	50.8	76.2
76	23.2	24.8	37.2#

Manual Integrations
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MMDadoda
12/7/2018 10:34:32 AM



#15

Acrylonitrile

Concen: 4.882 ug/l

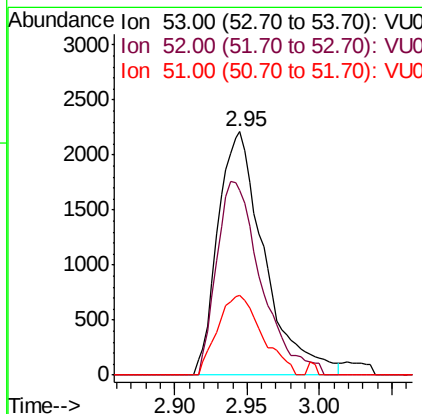
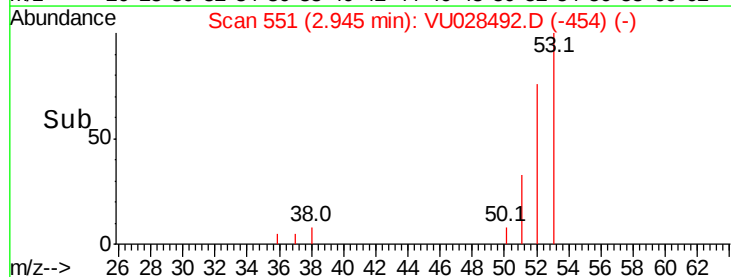
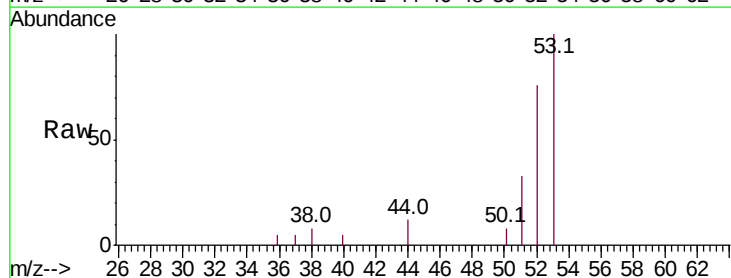
RT: 2.95 min Scan# 551

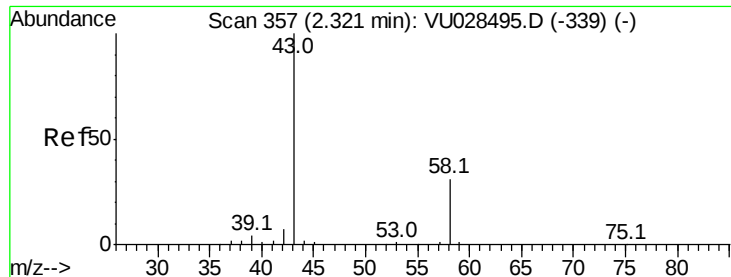
Delta R.T. 0.01 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Tgt Ion:	53	Resp:	4918
Ion	Ratio	Lower	Upper
53	100		
52	76.0	66.1	99.1
51	31.3	28.1	42.1





#16

Acetone

Concen: 6.160 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 6547

Ion Ratio Lower Upper

43 100

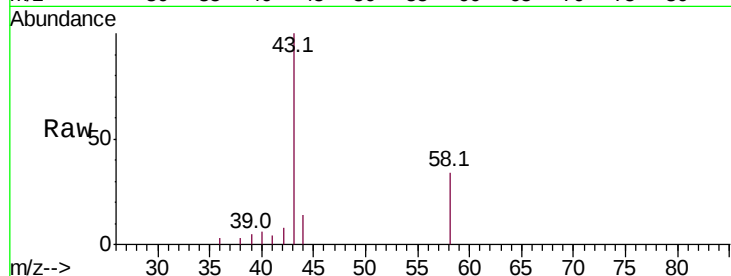
58 34.5 24.6 37.0

Manual Integrations

APPROVED

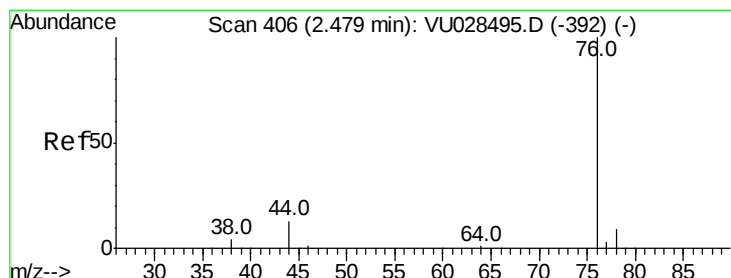
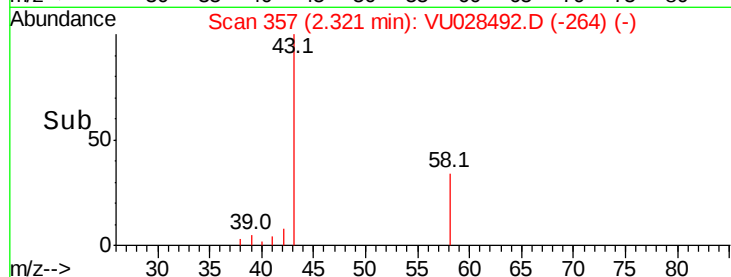
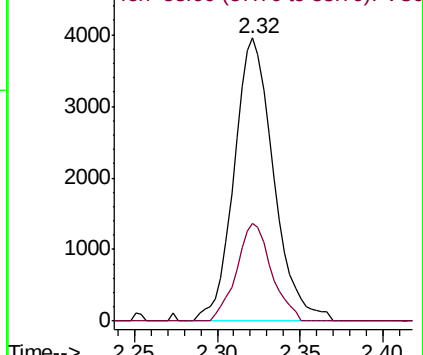
MMDadoda

12/7/2018 10:34:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 1.140 ug/l

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028492.D

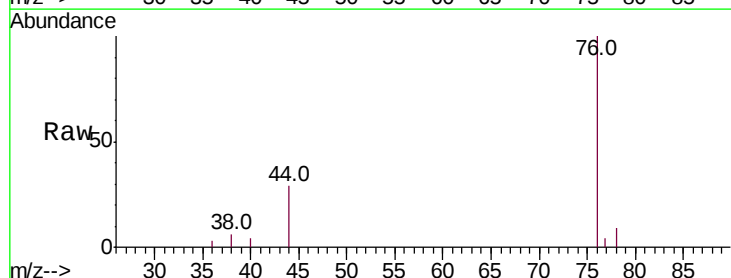
Acq: 06 Dec 2018 11:22

Tgt Ion: 76 Resp: 4879

Ion Ratio Lower Upper

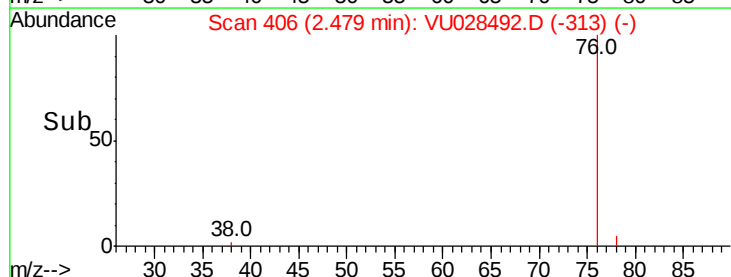
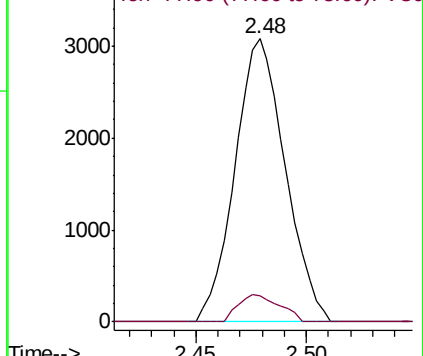
76 100

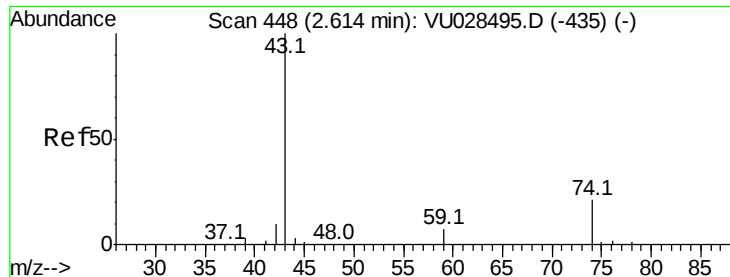
78 9.3 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0





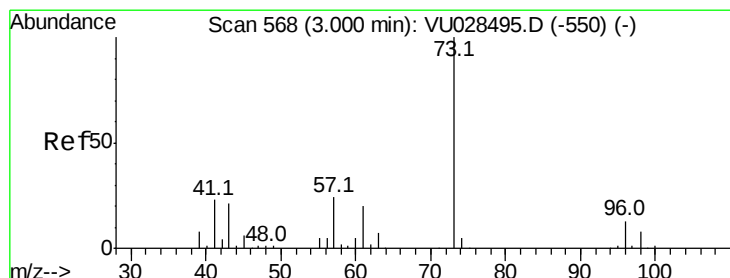
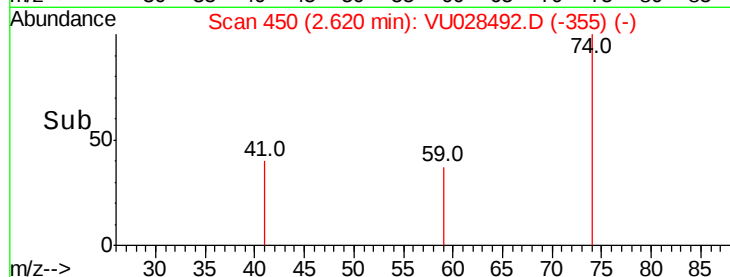
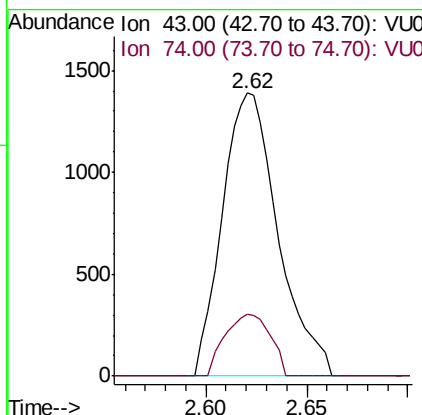
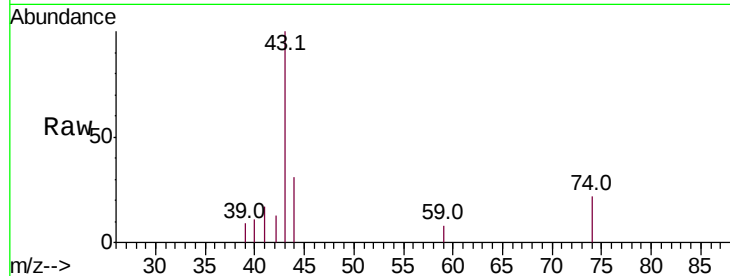
#18
Methyl Acetate
Concen: 0.971 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 2676
Ion Ratio Lower Upper
43 100
74 17.9 16.4 24.6

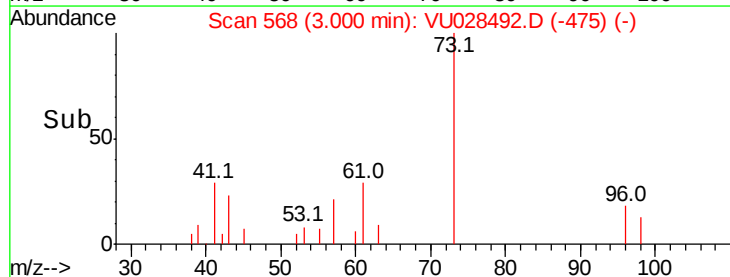
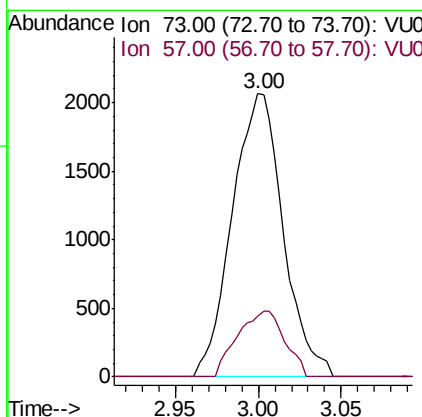
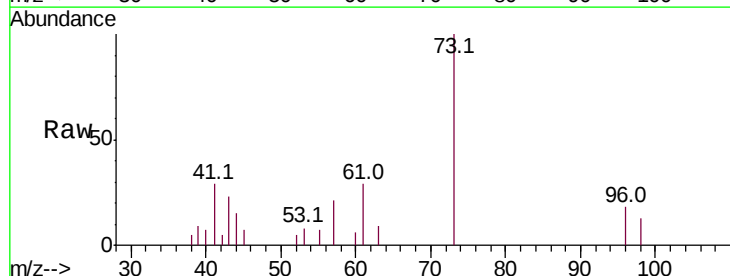
Manual Integrations
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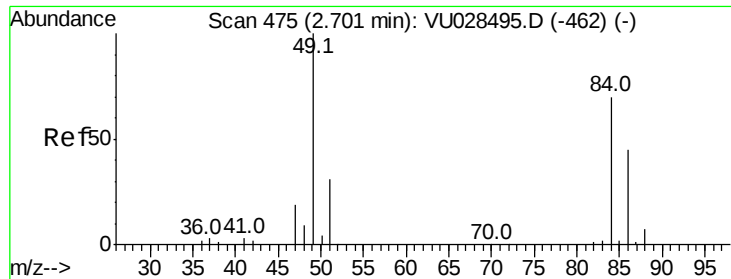
MMDadoda
12/7/2018 10:34:32 AM



#19
Methyl tert-butyl Ether
Concen: 0.977 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 73 Resp: 4403
Ion Ratio Lower Upper
73 100
57 21.3 19.4 29.2





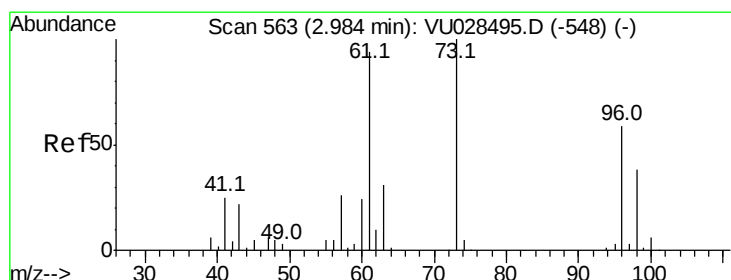
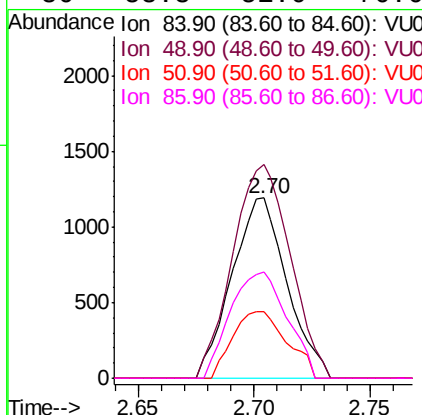
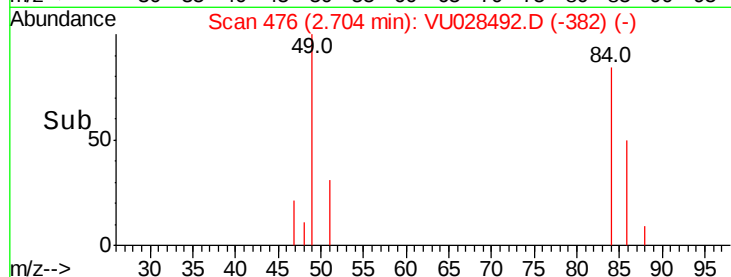
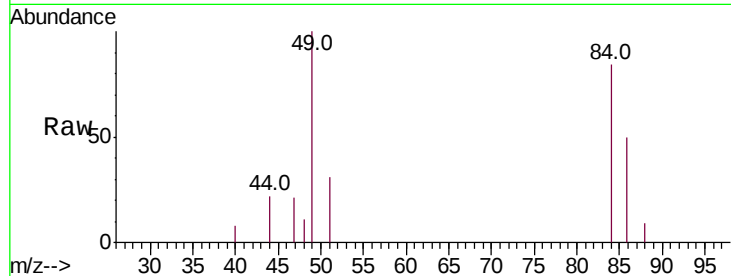
#20
Methvlene Chloride
Concen: 1.256 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:	84	Resp:	1968
Ion	Ratio	Lower	Upper
84	100		
49	118.6	114.0	171.0
51	36.9	35.1	52.7
86	58.8	51.0	76.6

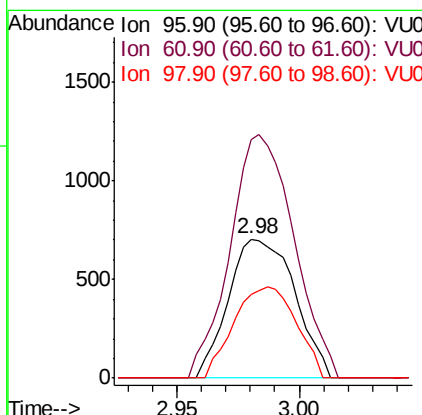
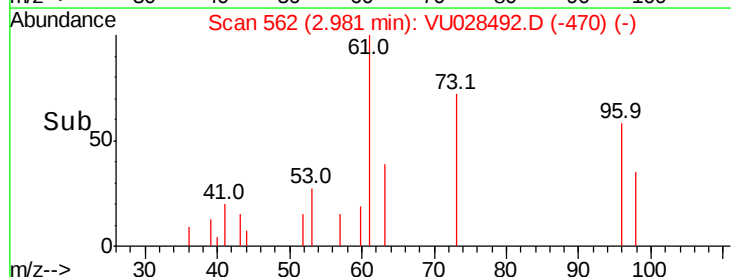
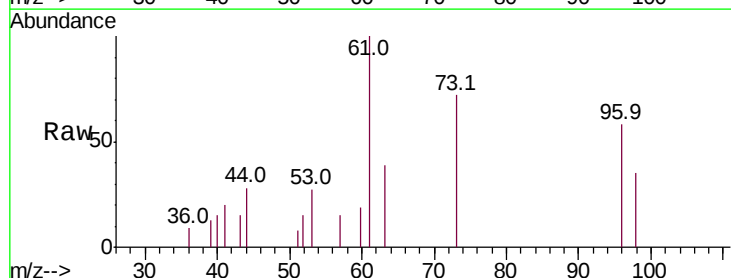
Manual Integrations
APPROVED

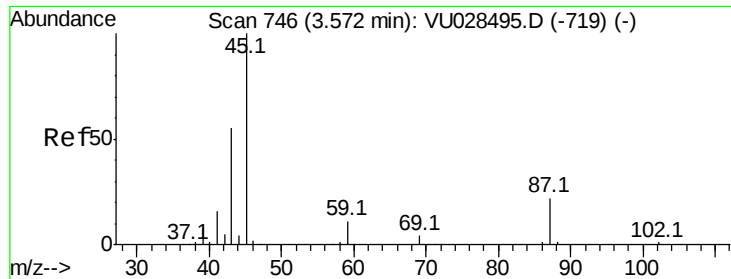
MMDadoda
12/7/2018 10:34:32 AM



#21
trans-1,2-Dichloroethene
Concen: 0.991 ug/l
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion:	96	Resp:	1326
Ion	Ratio	Lower	Upper
96	100		
61	171.1	127.0	190.4
98	60.6	51.9	77.9





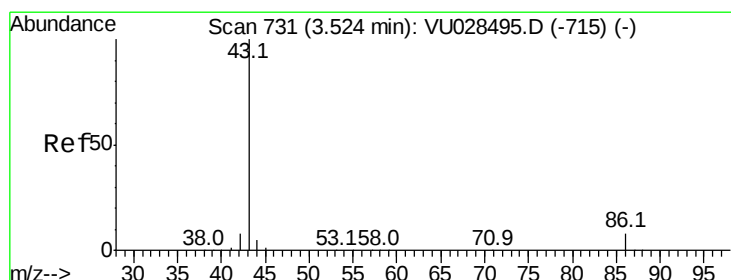
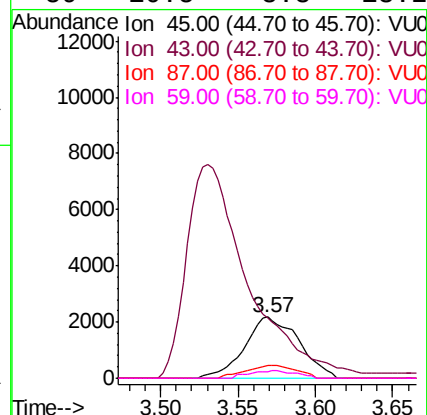
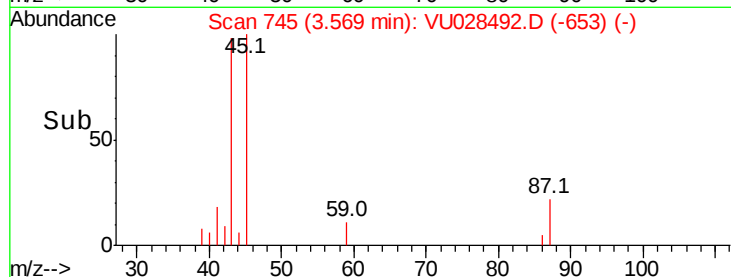
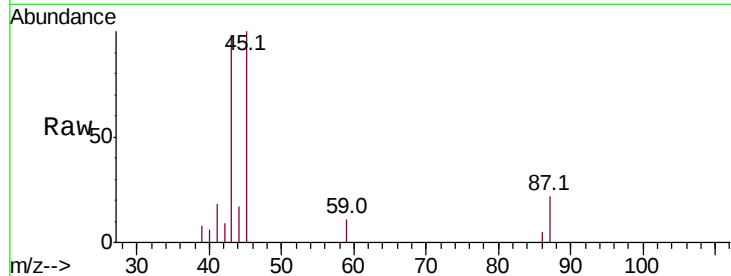
#22
Diisopropyl ether
Concen: 0.974 ug/l
RT: 3.57 min Scan# 745
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:	45	Resp:	5325
Ion Ratio	Lower	Upper	
45	100		
43	82.1	45.3	67.9#
87	21.6	17.6	26.4
59	10.5	8.8	13.2

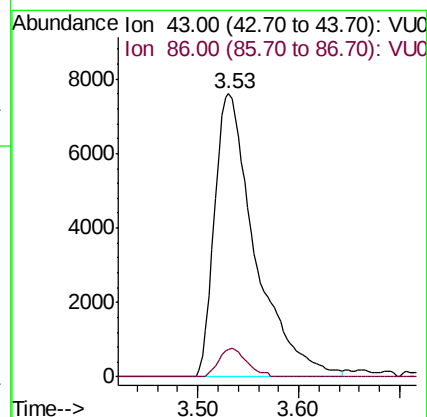
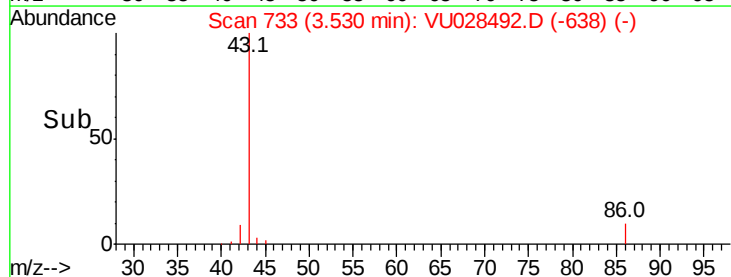
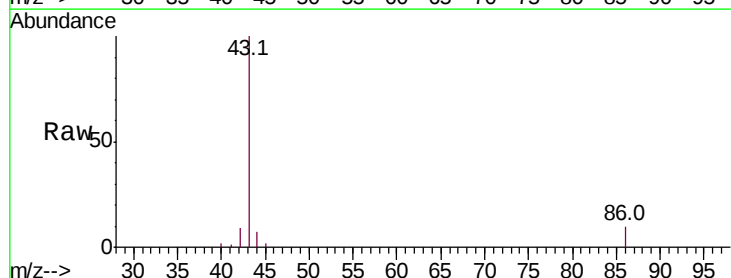
Manual Integrations
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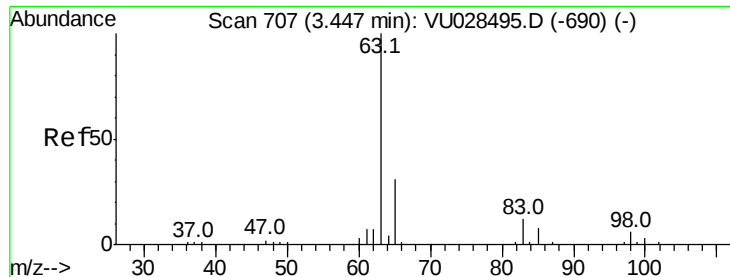
MMDadoda
12/7/2018 10:34:32 AM



#23
Vinyl Acetate
Concen: 4.729 ug/l
RT: 3.53 min Scan# 733
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion:	43	Resp:	21321
Ion Ratio	Lower	Upper	
43	100		
86	9.8	6.8	10.2





#24

1,1-Dichloroethane

Concen: 1.090 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

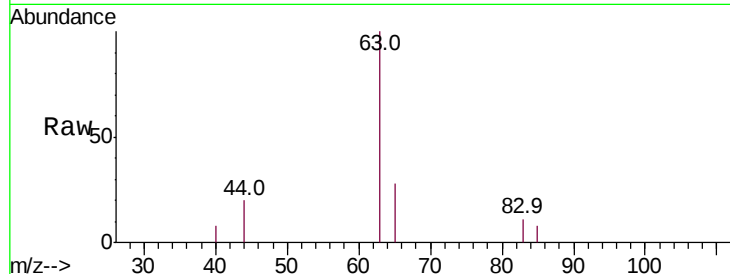
ClientSampleId :

VSTDIC001

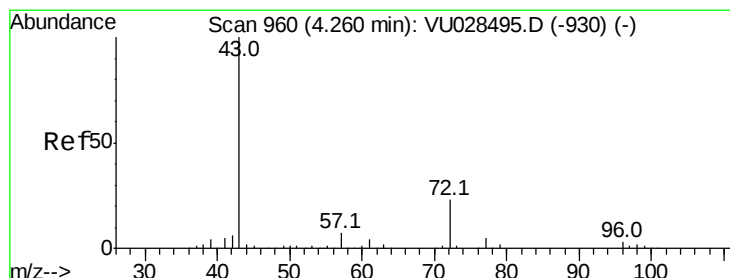
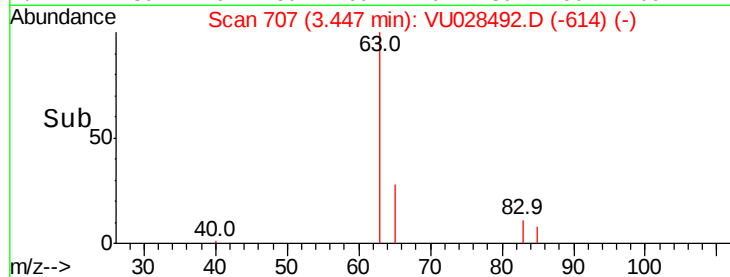
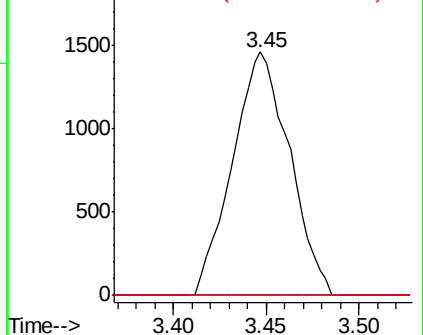
Tot Ion:	63	Resp:	3119
Ion Ratio	Lower	Upper	
63	100		
98	0.0	3.0	9.2#
100	0.0	1.7	5.1#

Manual Integrations
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12/7/2018 10:34:32 AM



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: 4.772 ug/l

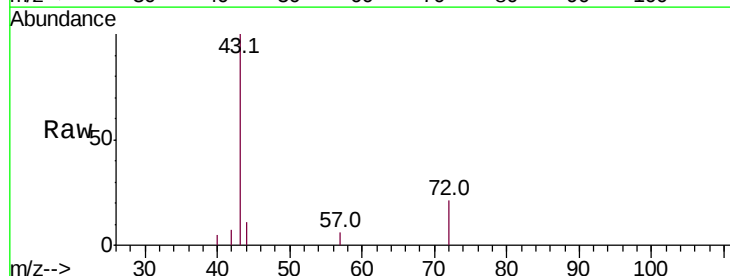
RT: 4.28 min Scan# 966

Delta R.T. 0.02 min

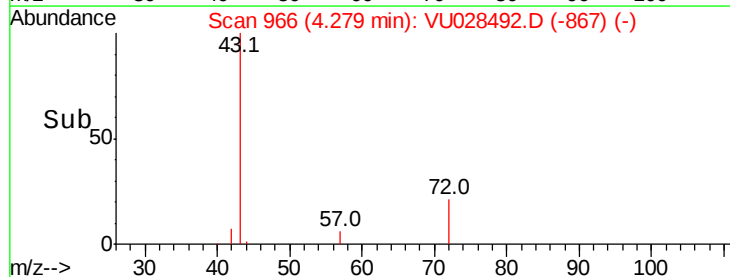
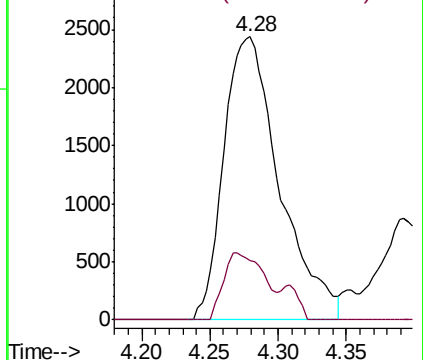
Lab File: VU028492.D

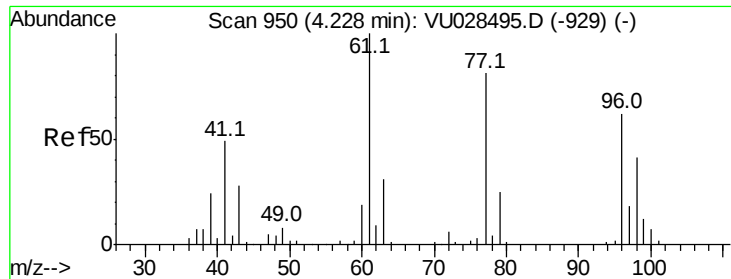
Acq: 06 Dec 2018 11:22

Tgt Ion:	43	Resp:	6931
Ion Ratio	Lower	Upper	
43	100		
72	21.1	18.6	28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 72.00 (71.70 to 72.70): VU0





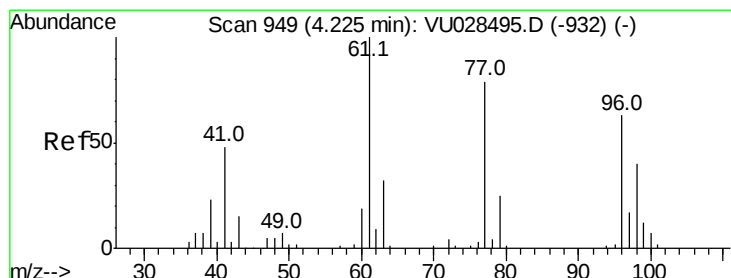
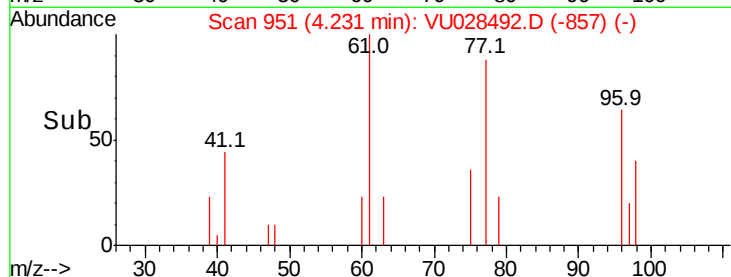
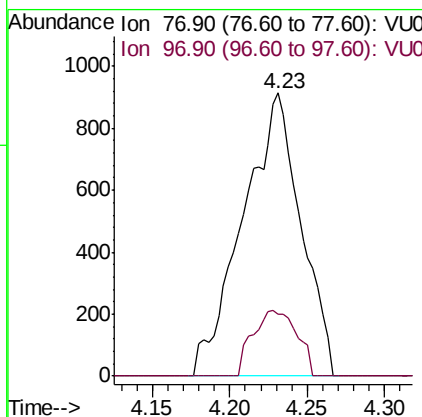
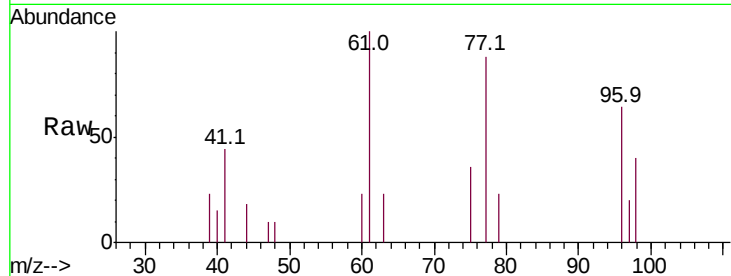
#26
 2,2-Dichloropropane
 Concen: 1.048 ug/l
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 77 Resp: 2375
 Ion Ratio Lower Upper
 77 100
 97 17.8 11.0 33.0

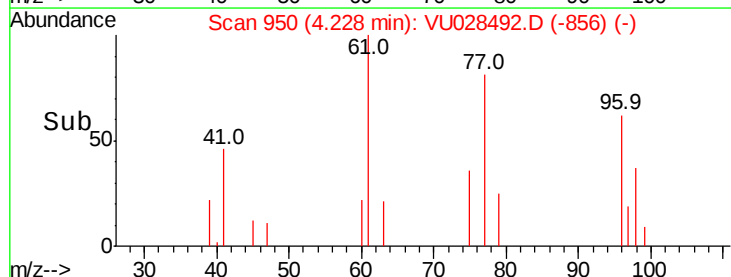
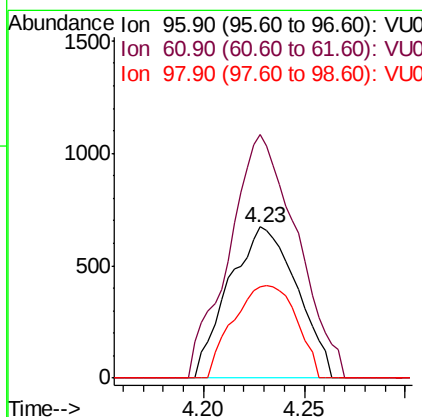
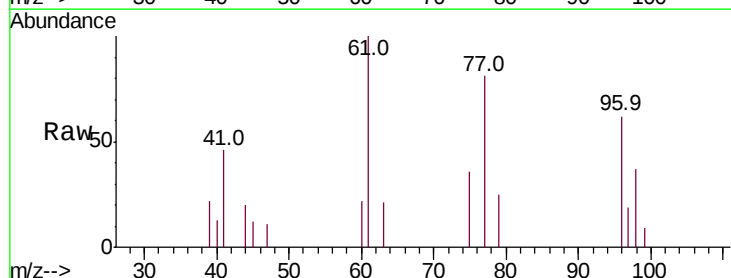
Manual Integrations
 APPROVED

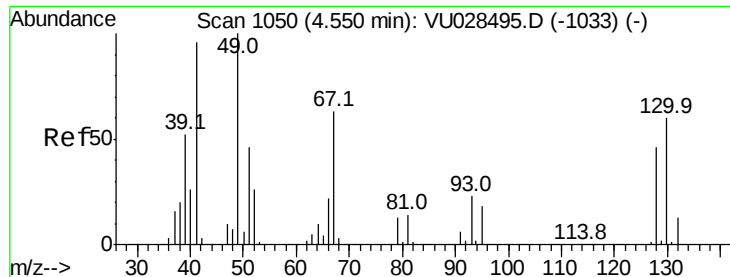
MMDadoda
 12/7/2018 10:34:32 AM



#27
 cis-1,2-Dichloroethene
 Concen: 1.043 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Tgt Ion: 96 Resp: 1579
 Ion Ratio Lower Upper
 96 100
 61 160.4 0.0 332.4
 98 56.8 0.0 129.0





#28

Bromochloromethane

Concen: 0.955 ug/l

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

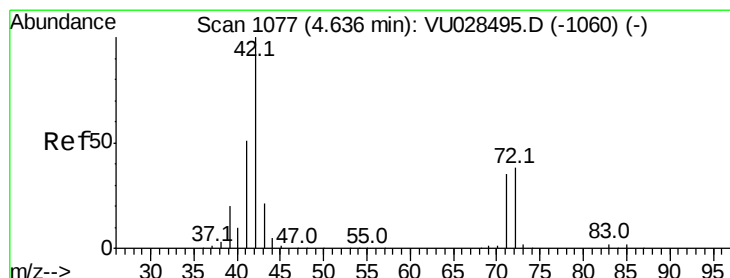
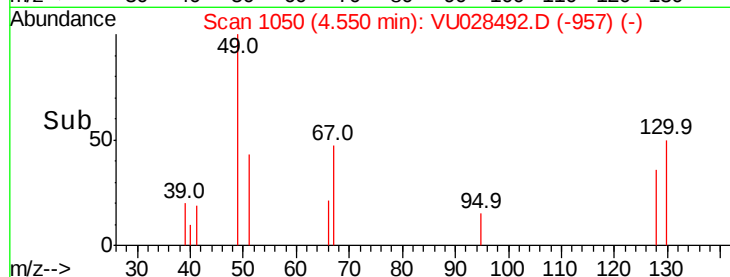
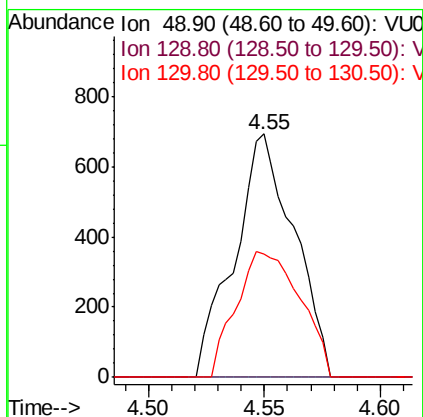
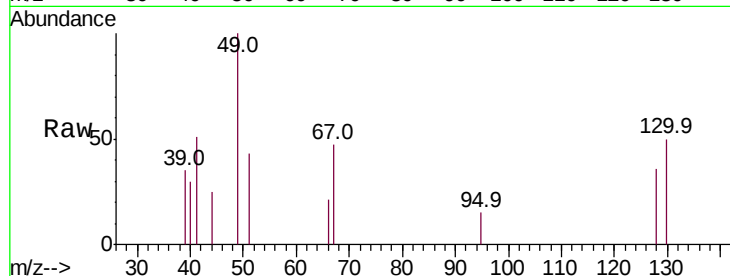
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.0
130	55.2	47.8	71.8

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#29

Tetrahydrofuran

Concen: 4.766 ug/l

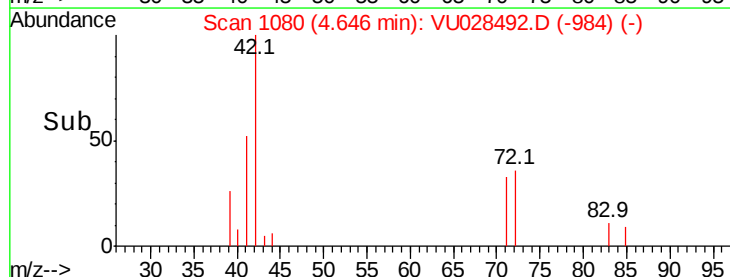
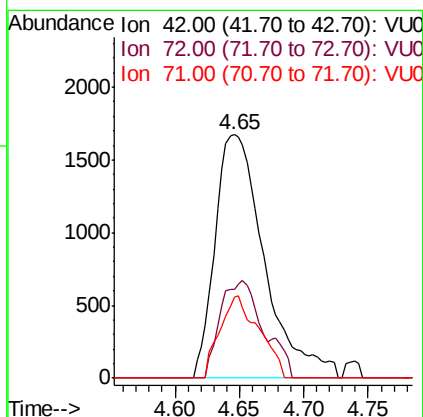
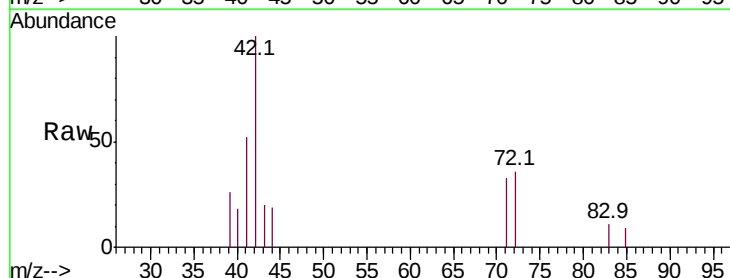
RT: 4.65 min Scan# 1080

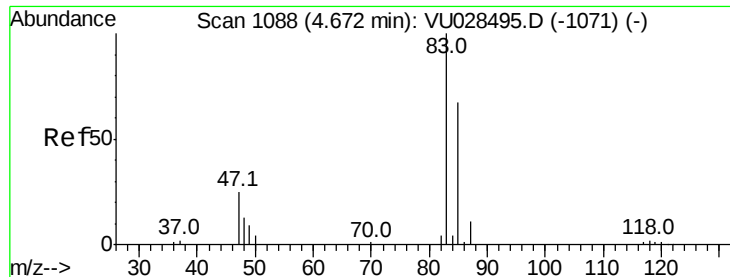
Delta R.T. 0.01 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
42	100		
72	30.3	31.4	47.0#
71	26.7	28.6	43.0#





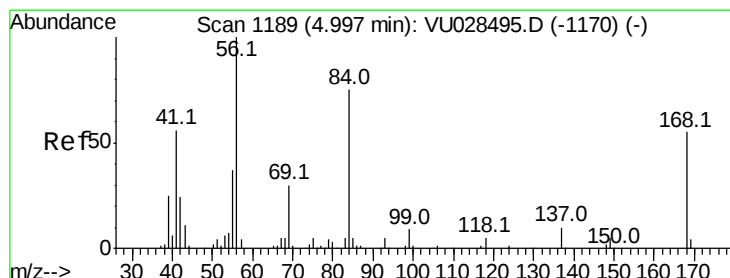
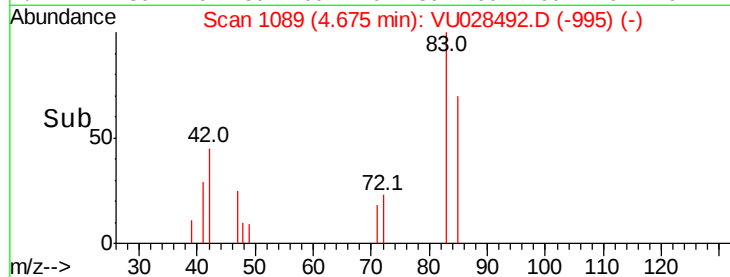
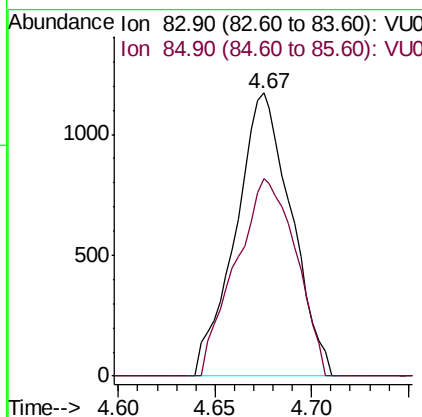
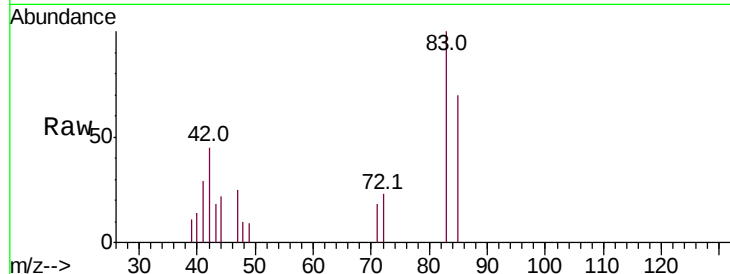
#30
Chloroform
Concen: 0.942 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tot Ion: 83 Resp: 2349
Ion Ratio Lower Upper
83 100
85 69.9 53.6 80.4

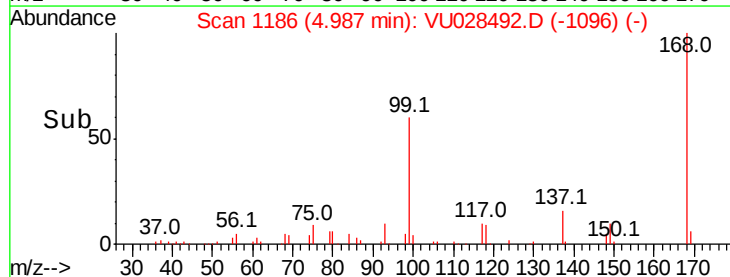
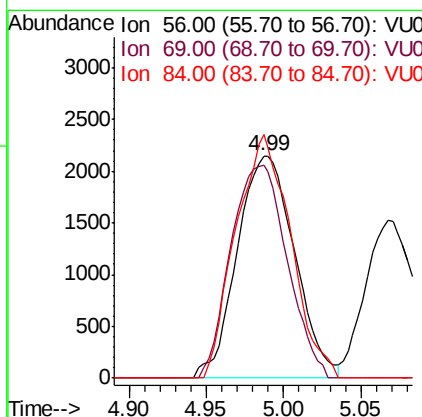
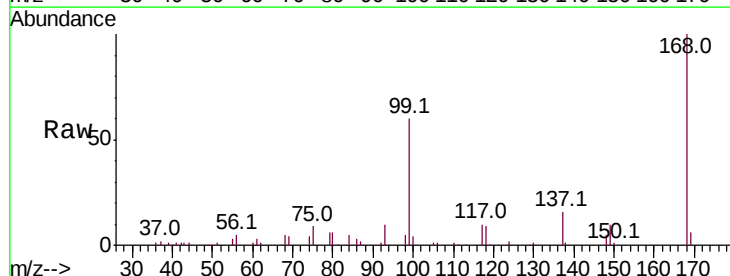
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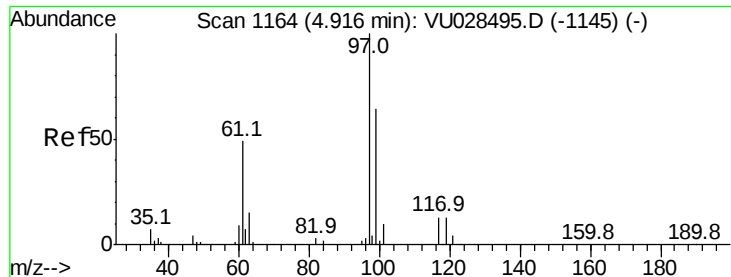
MMDadoda
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#31
Cyclohexane
Concen: 1.650 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 56 Resp: 5540
Ion Ratio Lower Upper
56 100
69 95.7 24.0 36.0#
84 109.5 59.7 89.5#





#32

1,1,1-Trichloroethane

Concen: 1.010 ug/l

RT: 4.92 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 2093

Ion Ratio Lower Upper

97 100

99 0.0 52.3 78.5#

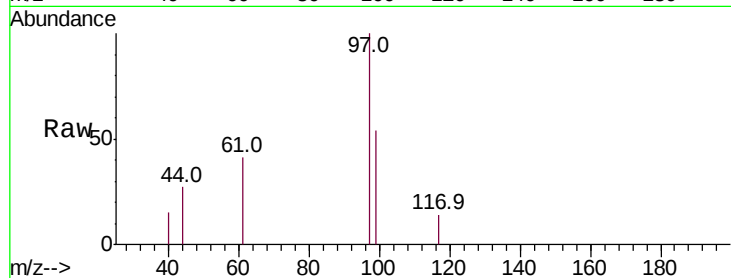
61 40.8 39.0 58.6

Manual Integrations

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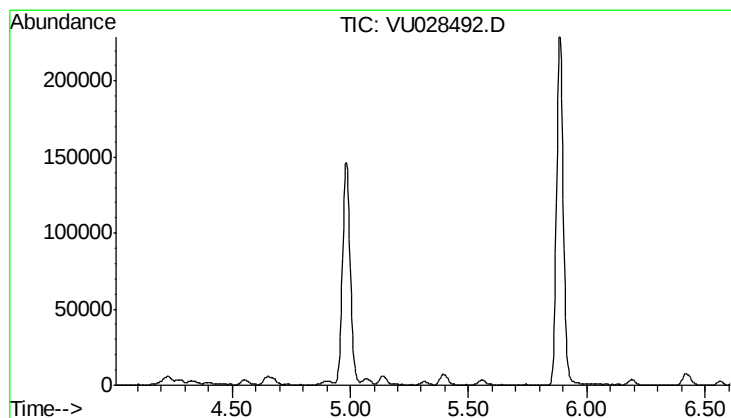
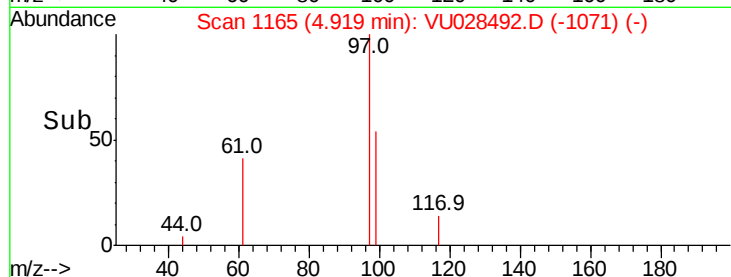
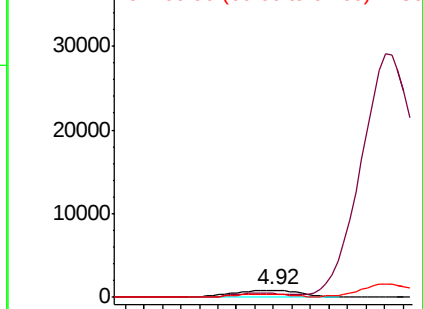


Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.31 min

Lab File: VU028492.D

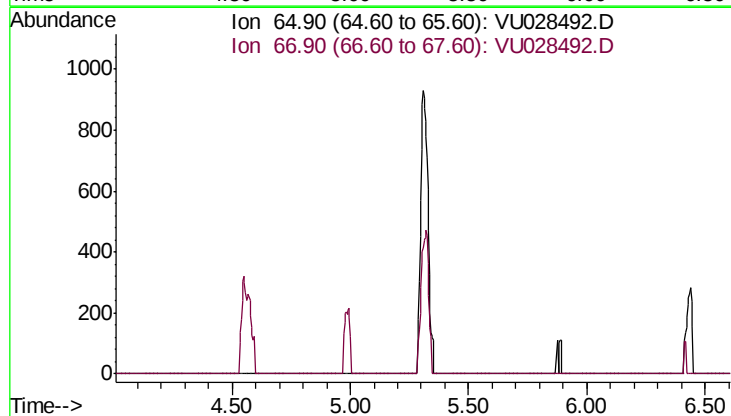
Acq: 06 Dec 2018 11:22

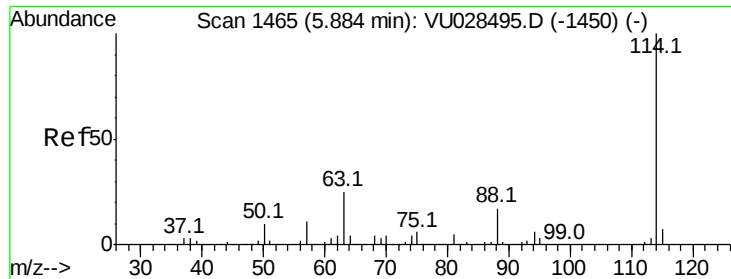
Tgt Ion: 65

Sig Exp Ratio

65 100

67 55.3





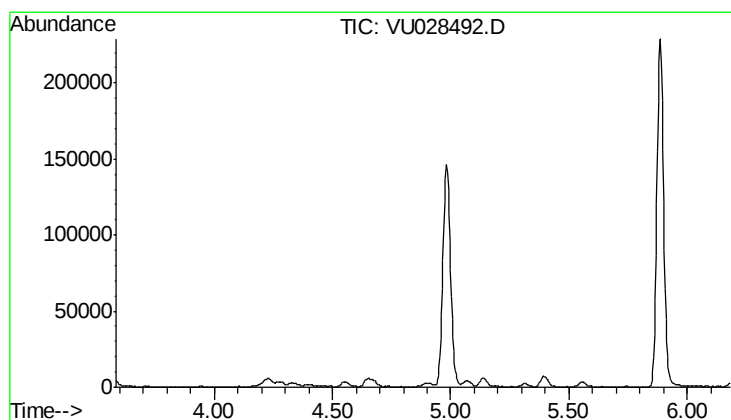
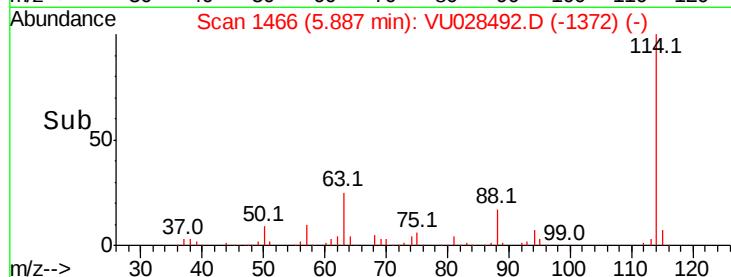
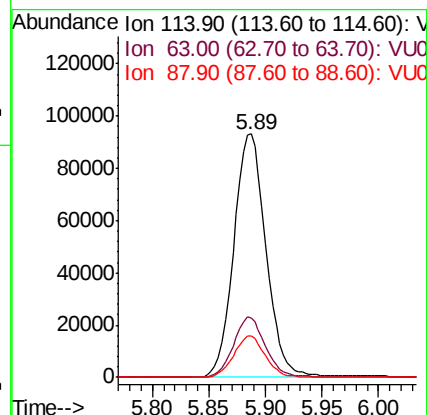
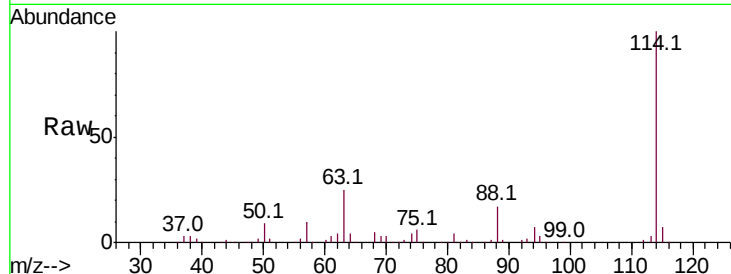
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	24.6	0.0	49.2
88	17.0	0.0	33.4

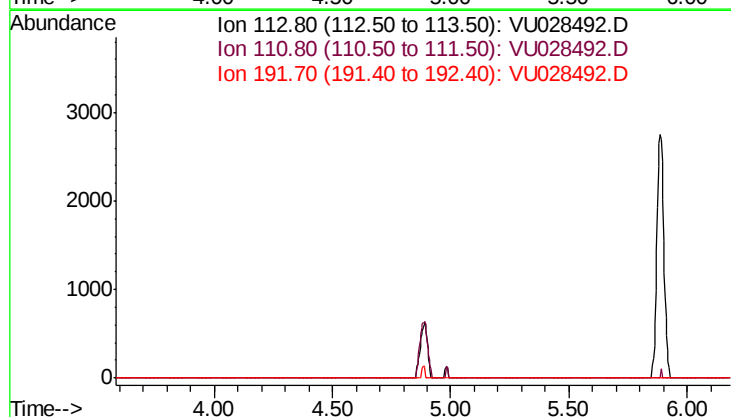
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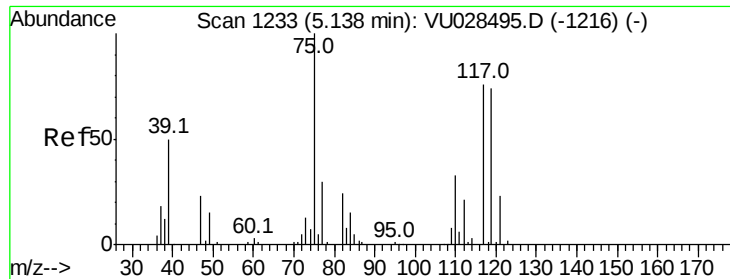
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#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.88 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Tgt Ion	Exp Ratio
113	100
111	104.2
192	18.5





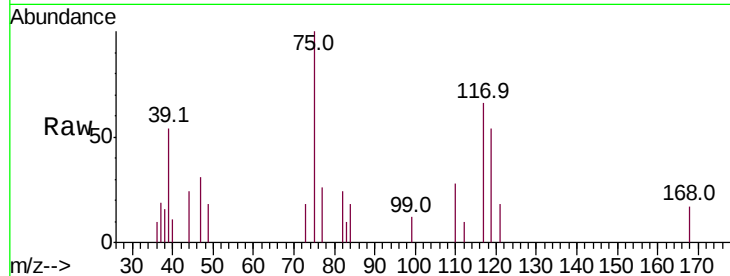
#36
 1,1-Dichloropropene
 Concen: 1.085 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

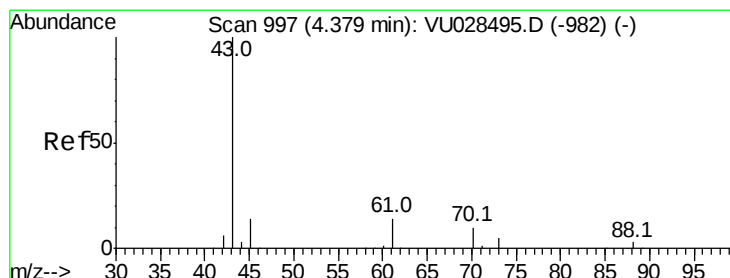
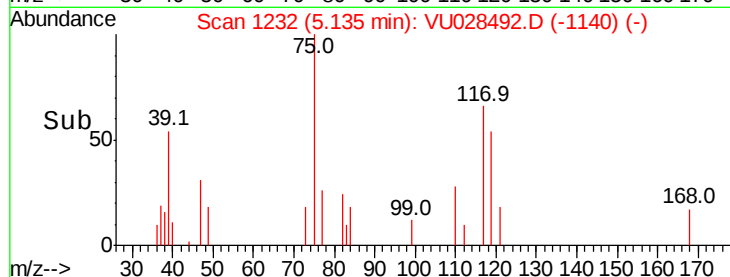
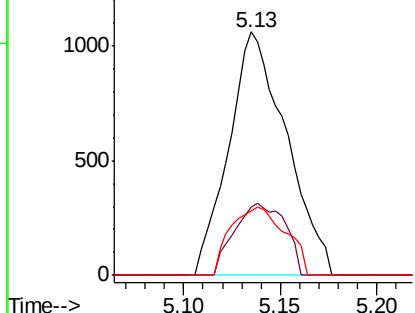
Tot Ion	Ratio	Lower	Upper
75	100		
110	25.9	16.1	48.2
77	26.7	24.5	36.7

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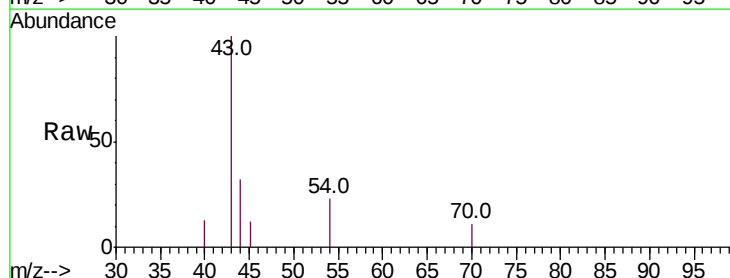


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0

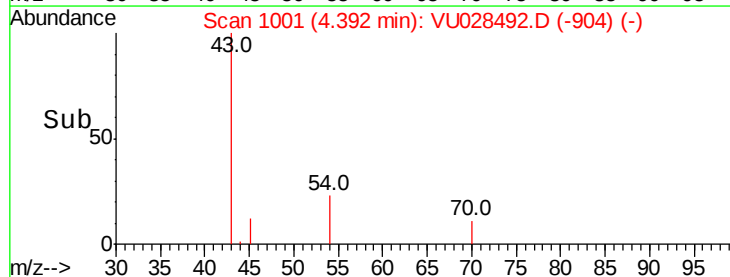
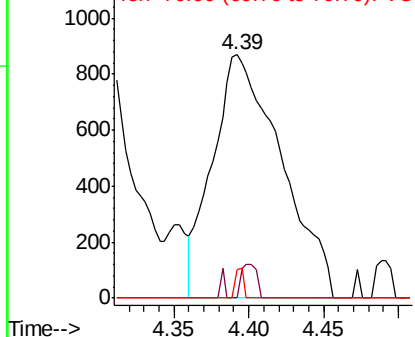


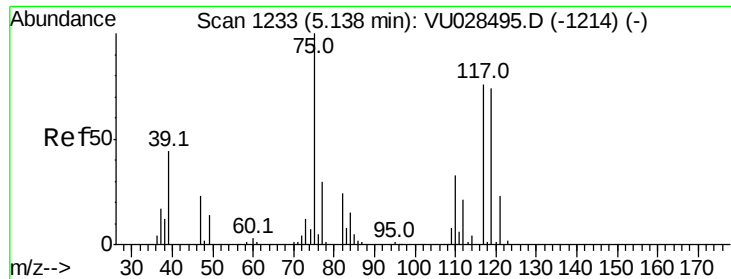
#37
 Ethyl Acetate
 Concen: 1.066 ug/l
 RT: 4.39 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
43	100		
61	3.1	11.0	16.4#
70	1.4	7.4	11.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0





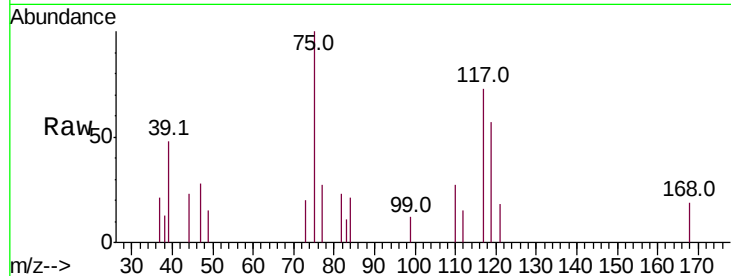
#38
Carbon Tetrachloride
Concen: 1.030 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

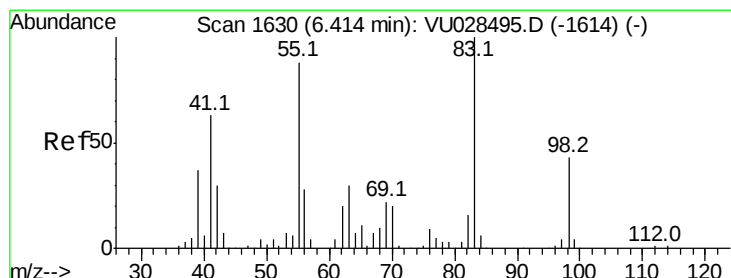
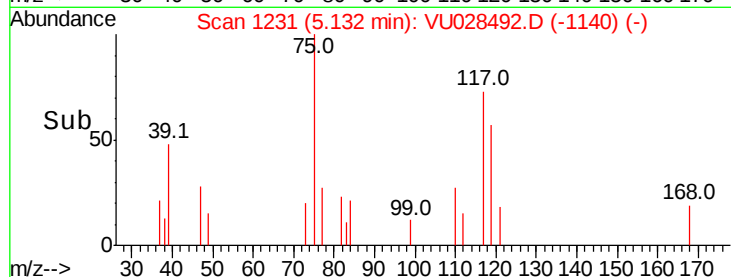
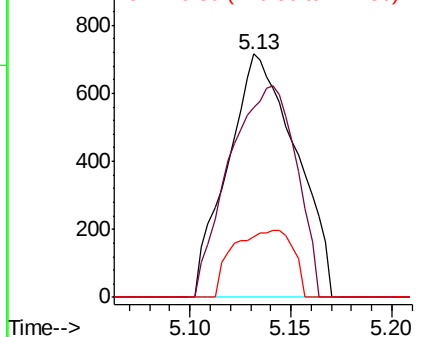
Tot Ion: 117 Resp: 1679
Ion Ratio Lower Upper
117 100
119 78.1 77.6 116.4
121 24.7 24.6 36.8

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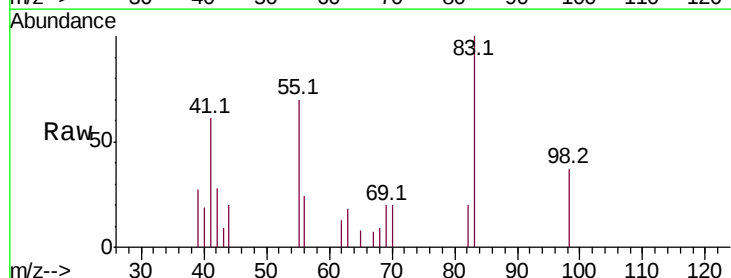


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

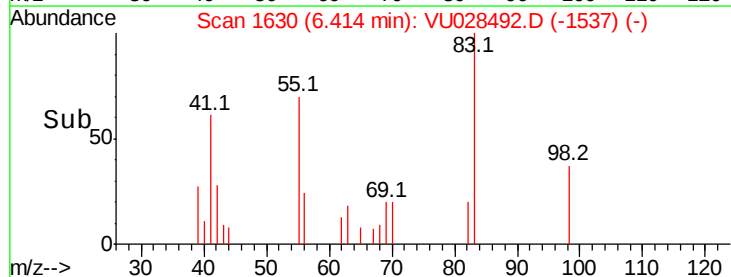
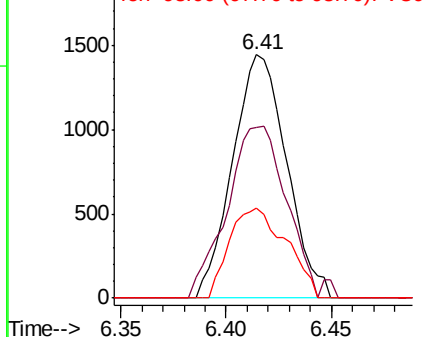


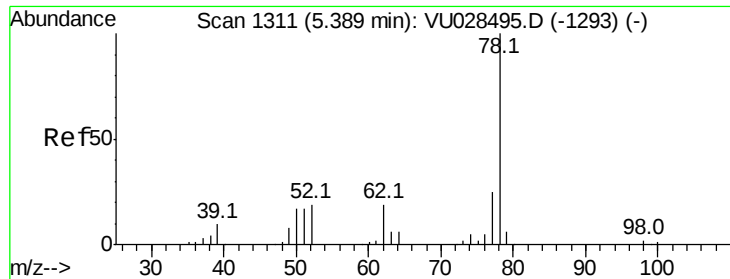
#39
Methylcyclohexane
Concen: 1.044 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 83 Resp: 2574
Ion Ratio Lower Upper
83 100
55 70.2 70.2 105.2
98 37.0 34.2 51.4



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





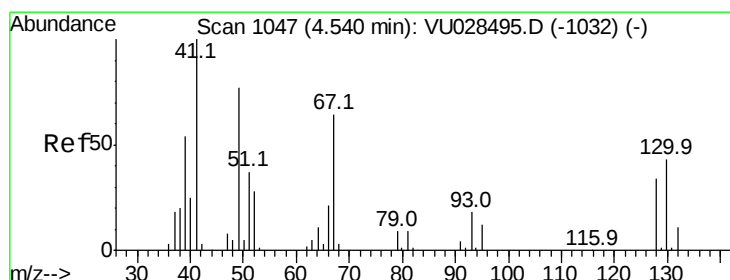
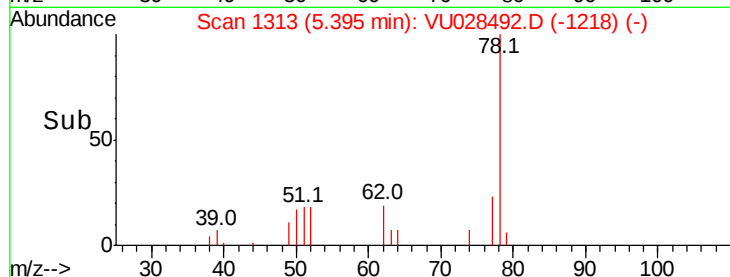
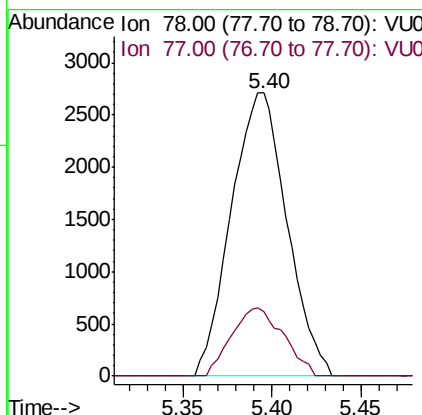
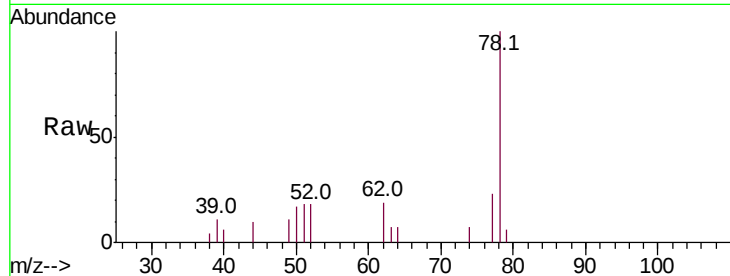
#40
Benzene
Concen: 0.992 ug/l
RT: 5.40 min Scan# 1313
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 78 Resp: 5905
Ion Ratio Lower Upper
78 100
77 22.8 19.9 29.9

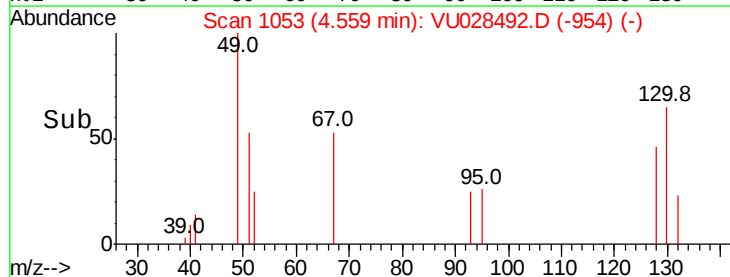
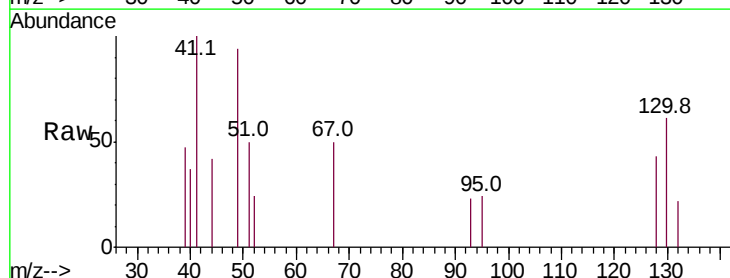
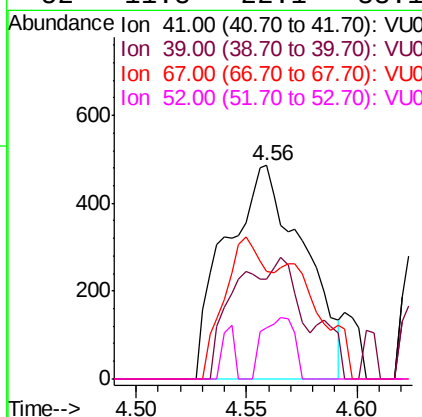
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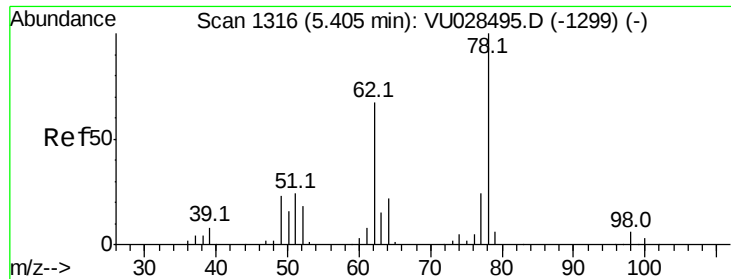
MMDadoda
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#41
Methacrylonitrile
Concen: 0.832 ug/l
RT: 4.56 min Scan# 1053
Delta R.T. 0.02 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 41 Resp: 1191
Ion Ratio Lower Upper
41 100
39 0.0 43.3 64.9#
67 0.0 53.6 80.4#
52 11.8 22.1 33.1#





#42

1,2-Dichloroethane

Concen: 1.006 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 2096

Ion Ratio Lower Upper

62 100

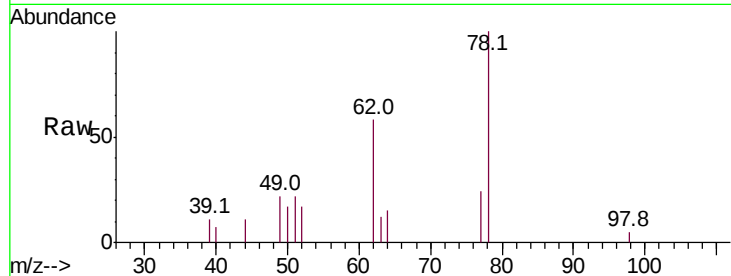
98 1.9 0.0 17.2

Manual Integrations

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Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

1200

1000

800

600

400

200

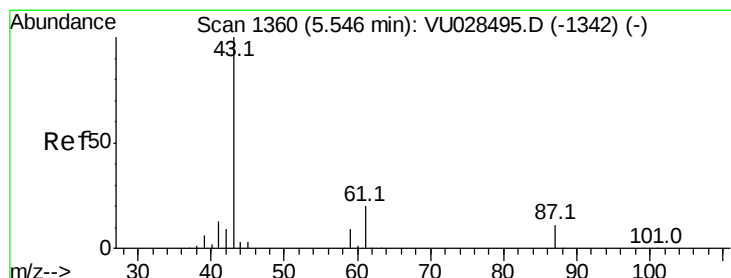
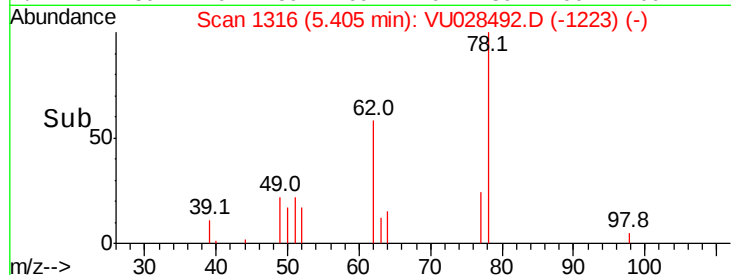
0

5.35

5.40

5.45

Time-->



#43

Isopropyl Acetate

Concen: 0.935 ug/l

RT: 5.56 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

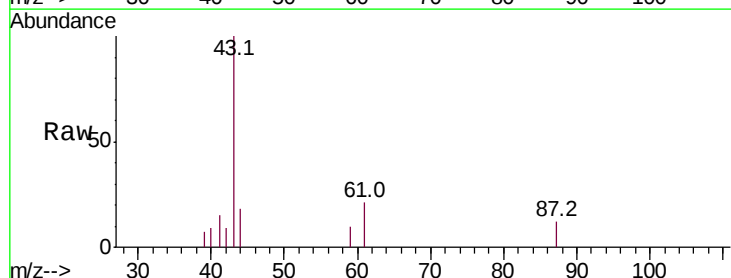
Tgt Ion: 43 Resp: 3865

Ion Ratio Lower Upper

43 100

61 16.2 15.5 23.3

87 8.3 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

2000

1500

1000

500

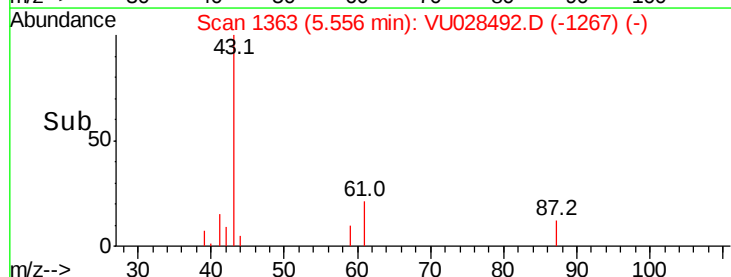
0

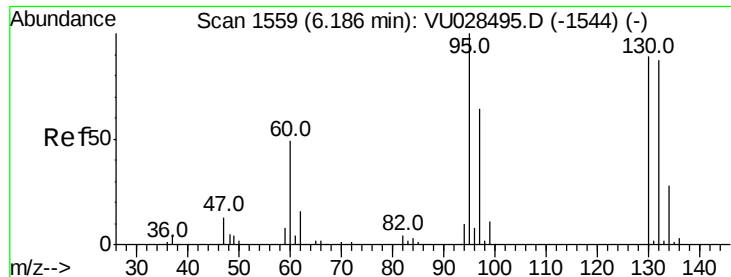
5.50

5.55

5.60

Time-->





#44

Trichloroethene

Concen: 1.011 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 1338

Ion Ratio Lower Upper

130 100

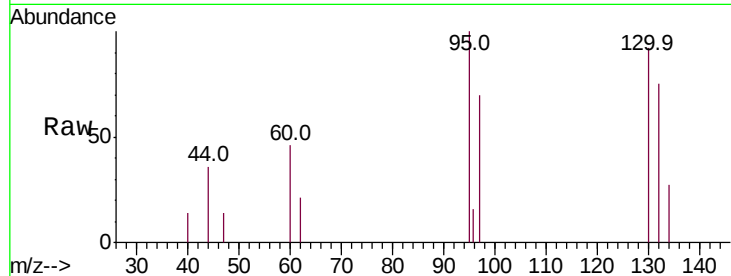
95 108.2 0.0 224.0

Manual Integrations

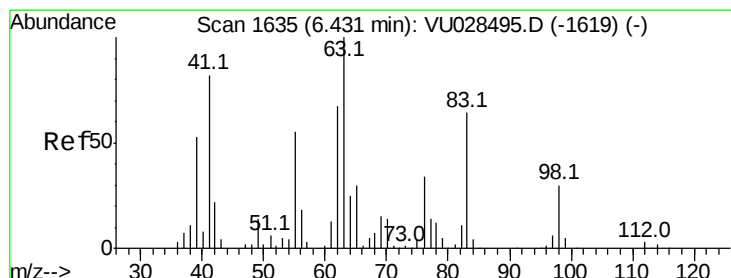
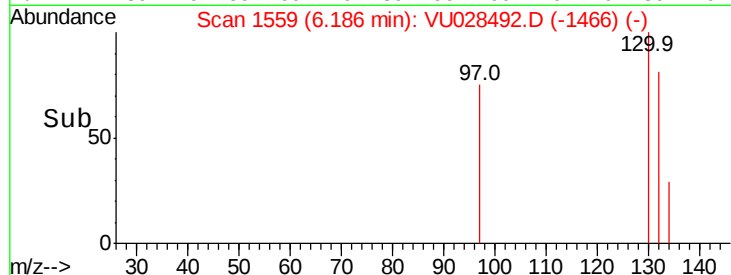
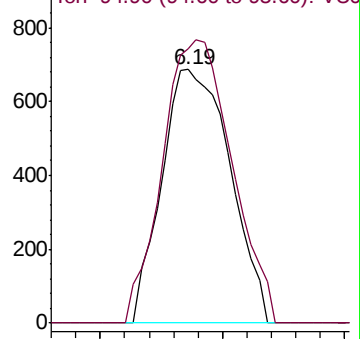
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Abundance Ion 129.80 (129.50 to 130.50): VU028495.D (-1544) (-)



#45

1,2-Dichloropropane

Concen: 0.902 ug/l

RT: 6.44 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VU028492.D

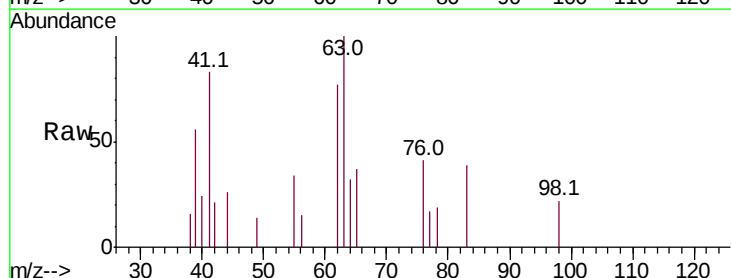
Acq: 06 Dec 2018 11:22

Tgt Ion: 63 Resp: 1510

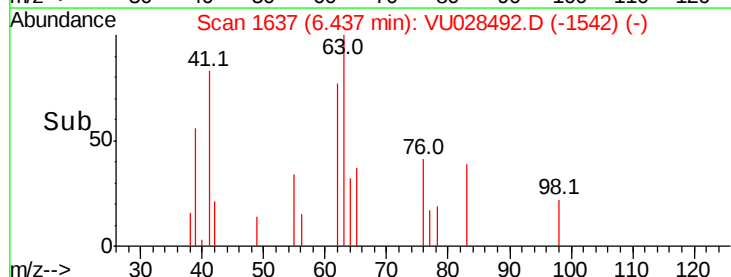
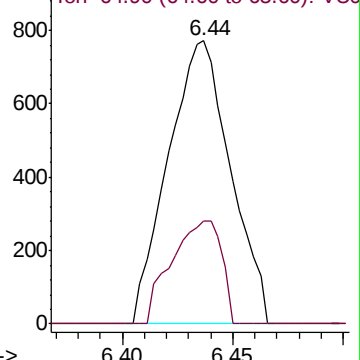
Ion Ratio Lower Upper

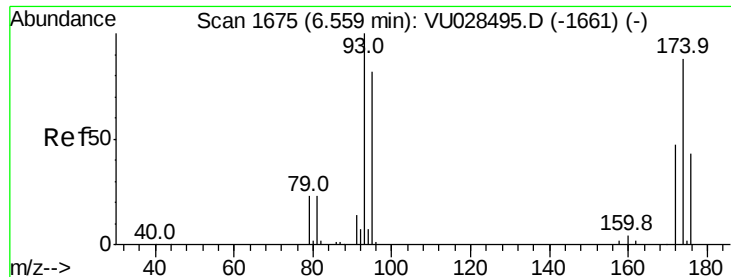
63 100

65 36.5 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VU028495.D (-1619) (-)





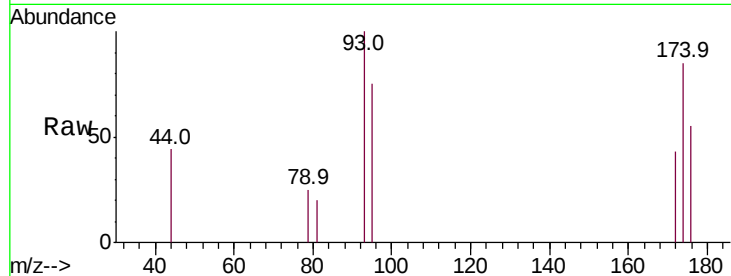
#46
Dibromomethane
Concen: 0.985 ug/l
RT: 6.57 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

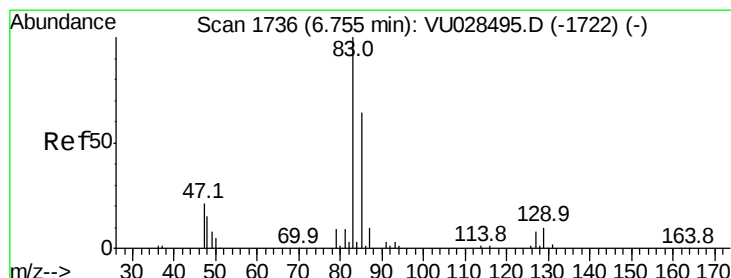
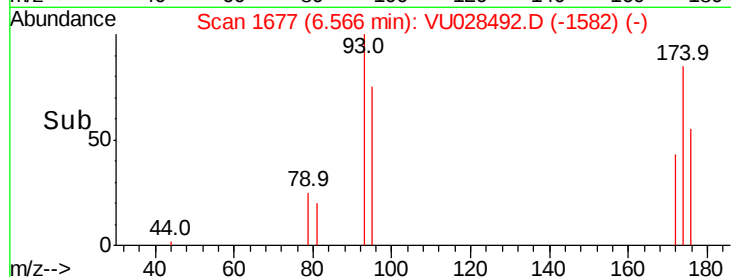
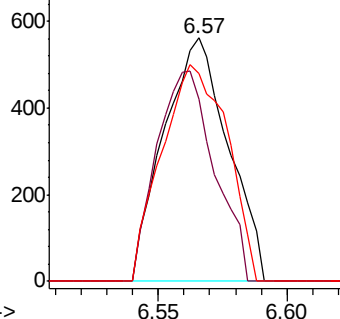
Tot Ion: 93 Resp: 978
Ion Ratio Lower Upper
93 100
95 77.5 65.4 98.2
174 90.7 72.2 108.4

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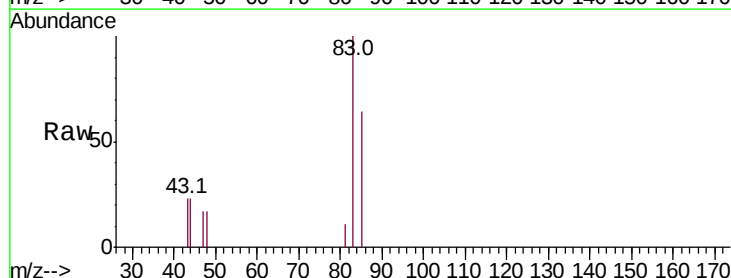


Abundance Ion 92.80 (92.50 to 93.50): VU0
Ion 94.80 (94.50 to 95.50): VU0
Ion 173.70 (173.40 to 174.40): V

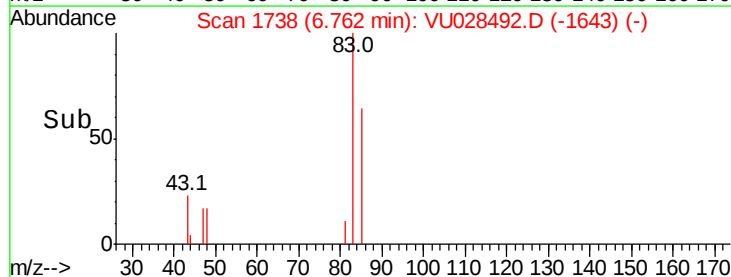
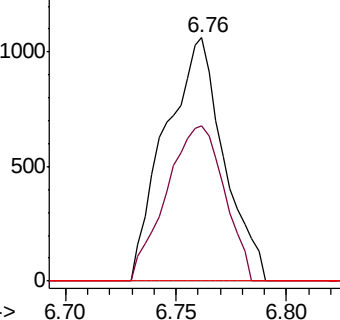


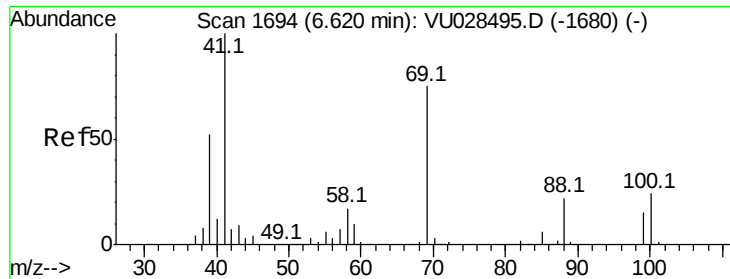
#47
Bromodichloromethane
Concen: 1.010 ug/l
RT: 6.76 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 83 Resp: 1953
Ion Ratio Lower Upper
83 100
85 63.7 51.5 77.3
127 0.0 6.2 9.4#



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V





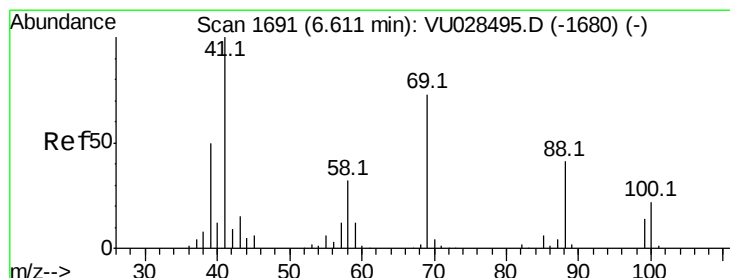
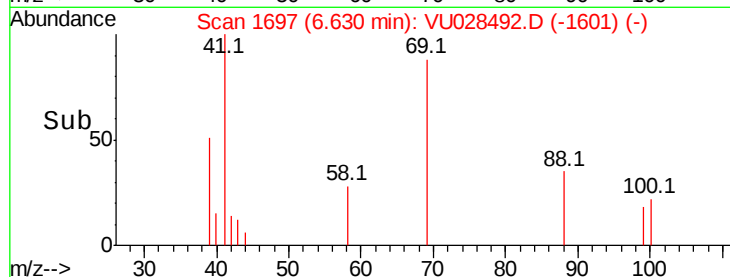
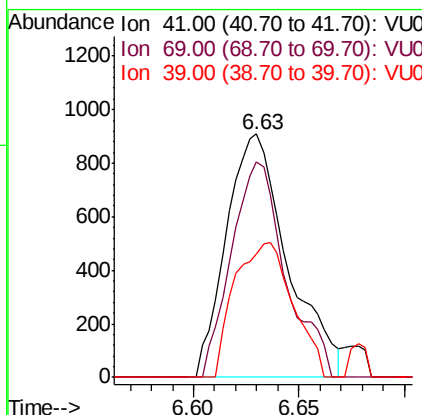
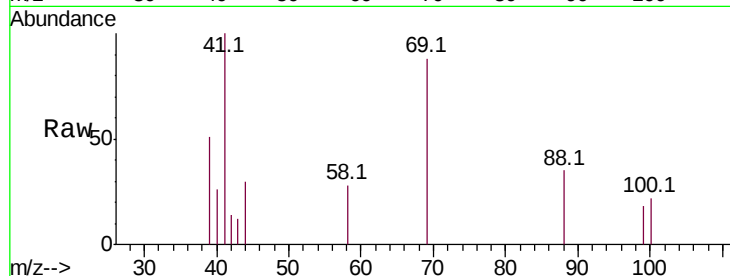
#48
Methvl methacrylate
Concen: 0.893 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	78.1	60.4	90.6
39	52.6	41.1	61.7

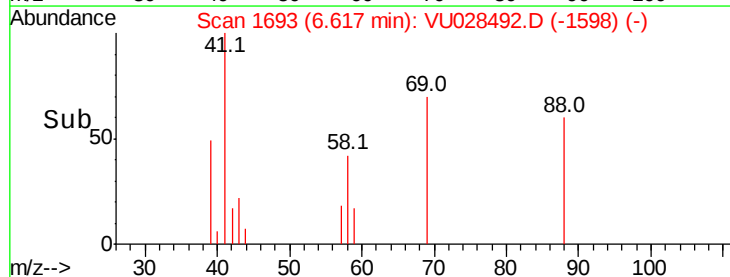
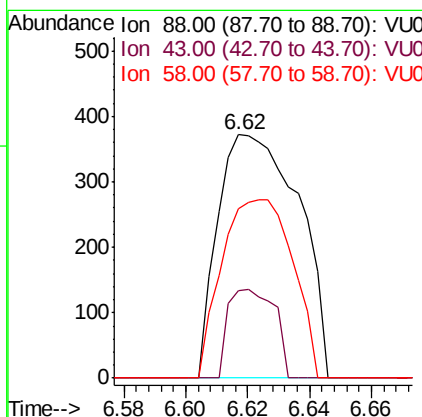
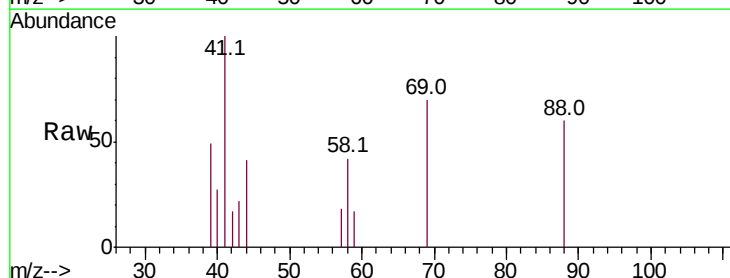
Manual Integrations
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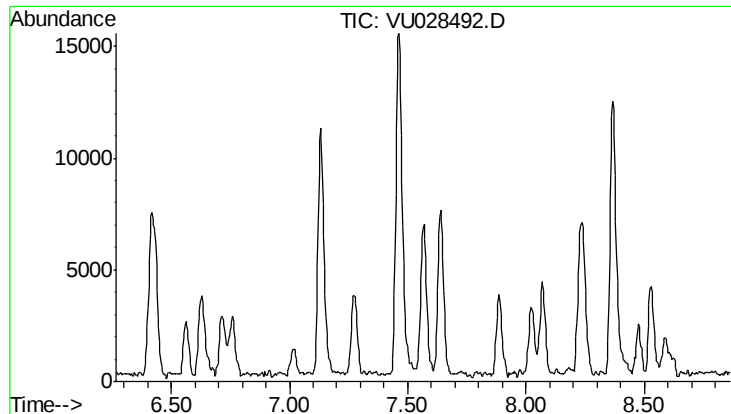
MMDadoda
12/7/2018 10:34:32 AM



#49
1,4-Dioxane
Concen: 20.828 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
88	100		
43	21.0	30.9	46.3#
58	64.3	62.4	93.6





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.57 min

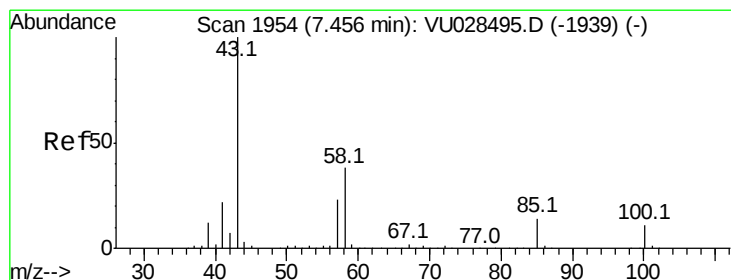
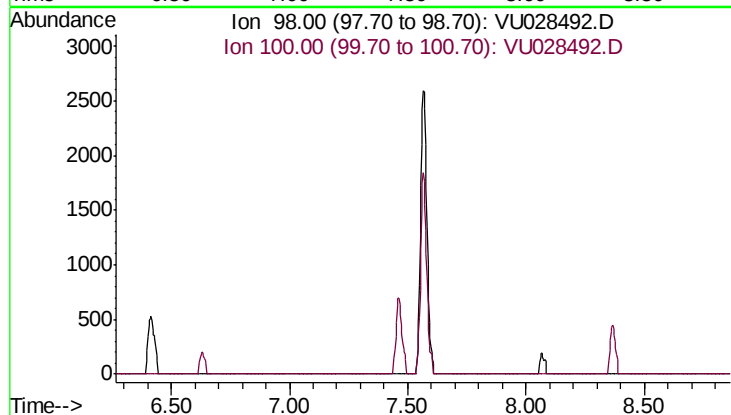
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 63.8

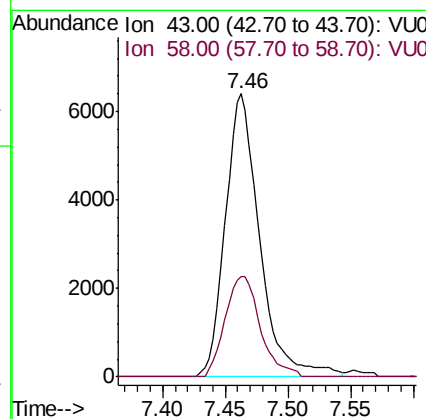
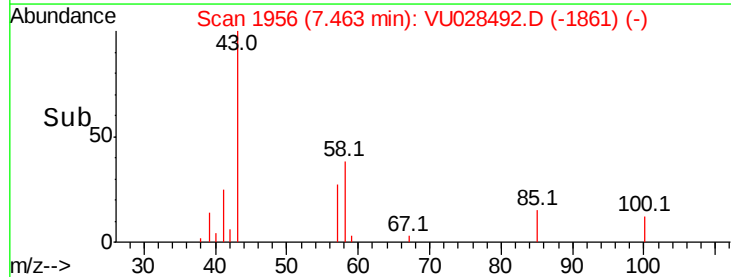
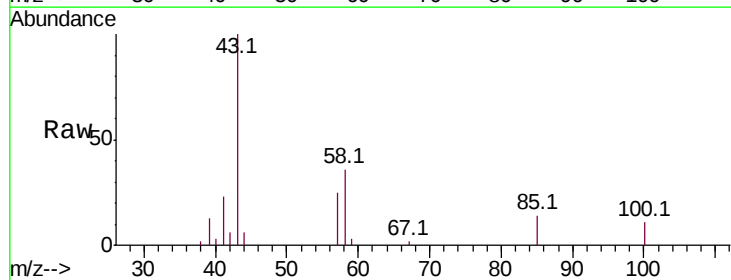
Manual Integrations
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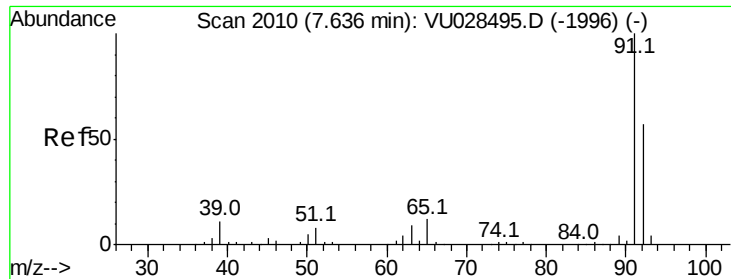
MMDadoda
12/7/2018 10:34:32 AM



#51
4-Methyl-2-Pentanone
Concen: 4.675 ug/l
RT: 7.46 min Scan# 1956
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 43 Resp: 12187
Ion Ratio Lower Upper
43 100
58 36.1 30.2 45.2





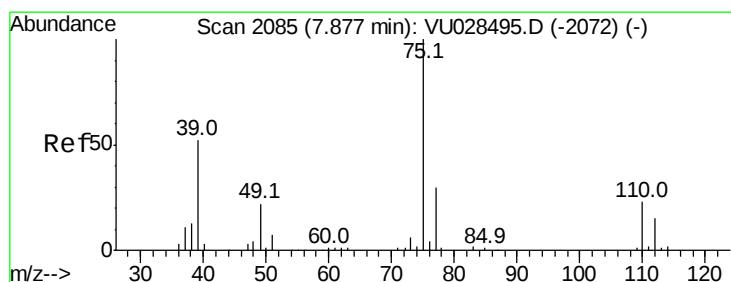
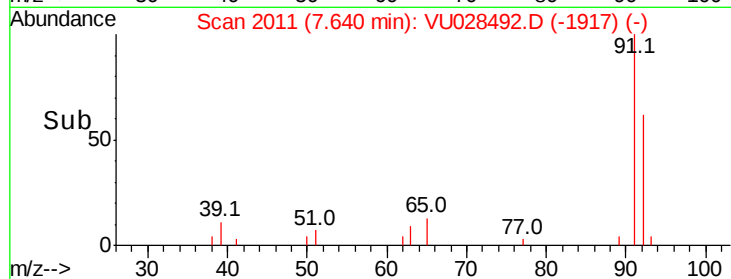
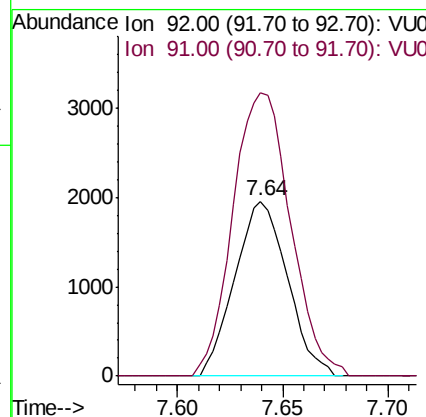
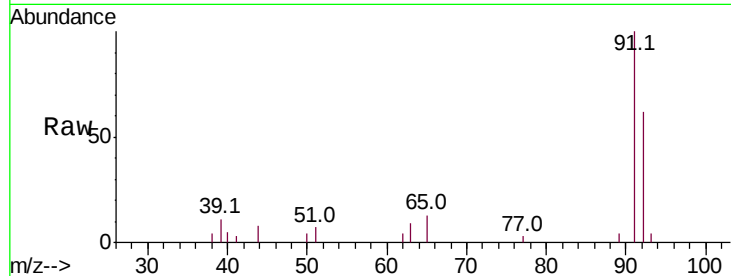
#52
Toluene
Concen: 0.969 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 92 Resp: 3396
Ion Ratio Lower Upper
92 100
91 177.5 140.2 210.4

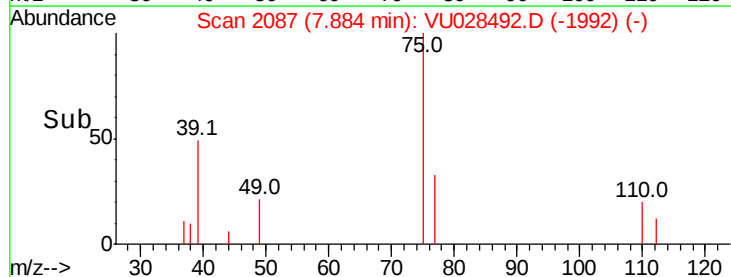
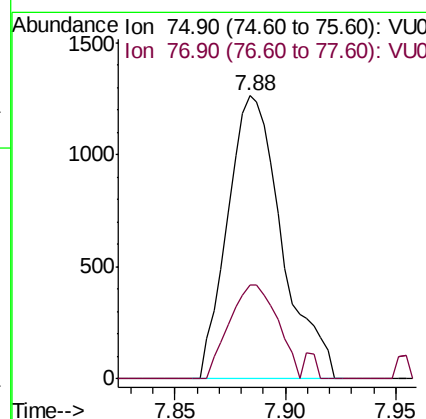
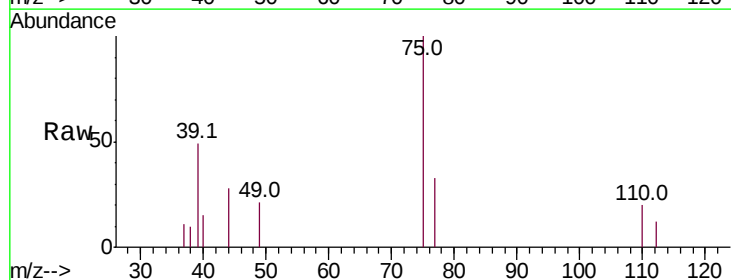
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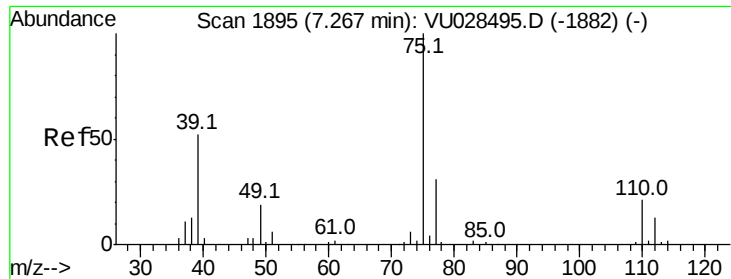
MMDadoda
12/7/2018 10:34:32 AM



#53
t-1,3-Dichloropropene
Concen: 0.936 ug/l
RT: 7.88 min Scan# 2087
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 75 Resp: 2156
Ion Ratio Lower Upper
75 100
77 33.2 24.2 36.4





#54

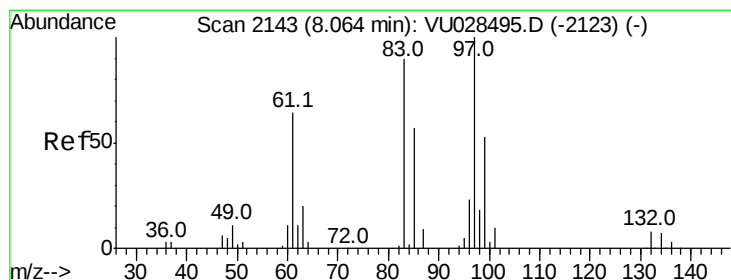
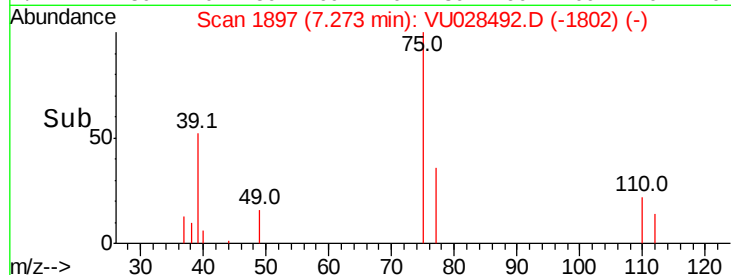
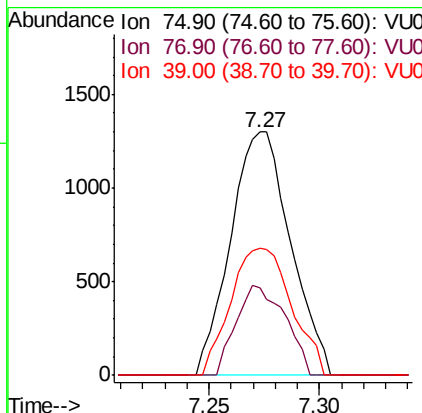
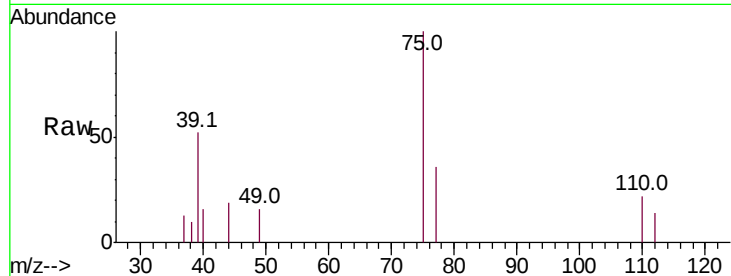
cis-1,3-Dichloropropene
Concen: 0.981 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.7	25.0	37.4
39	52.1	41.3	61.9

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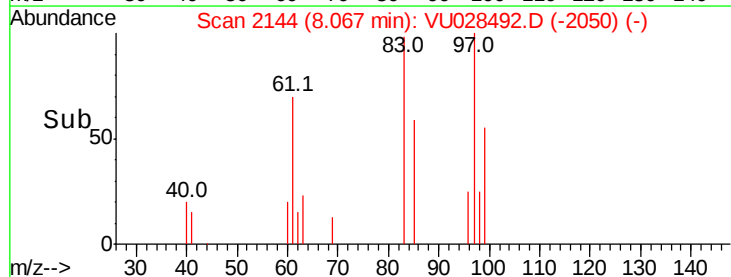
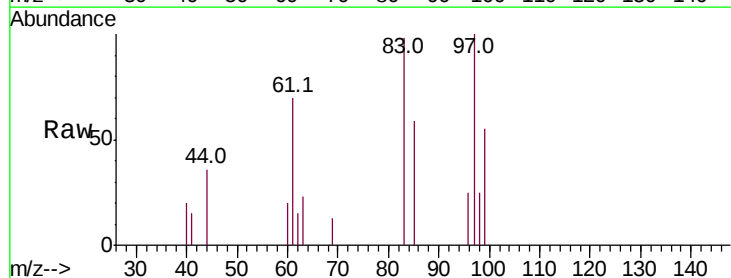
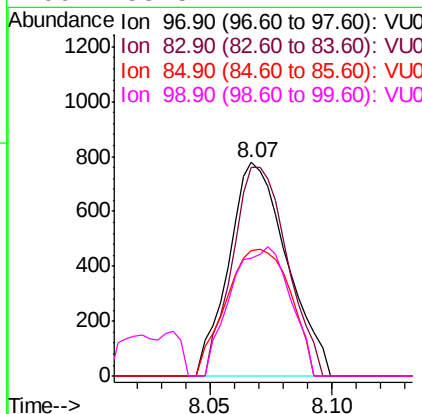
MMDadoda
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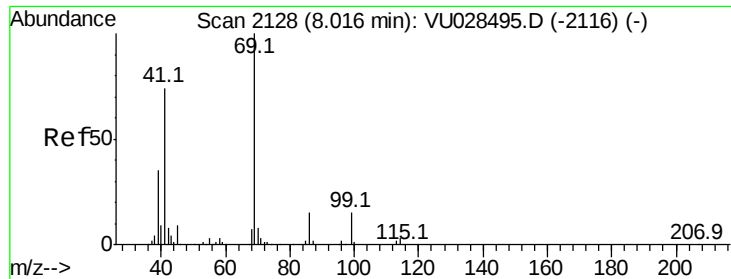


#55

1,1,2-Trichloroethane
Concen: 0.933 ug/l
RT: 8.07 min Scan# 2144
Delta R.T. 0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
97	100		
83	97.8	72.4	108.6
85	58.8	46.0	69.0
99	55.5	47.4	71.2





#56

Ethyl methacrylate

Concen: 0.910 ug/l

RT: 8.03 min Scan# 2131

Delta R.T. 0.01 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

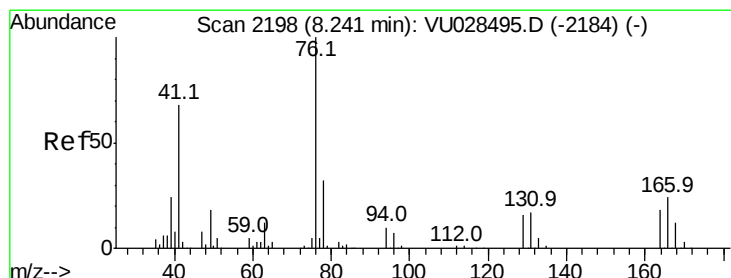
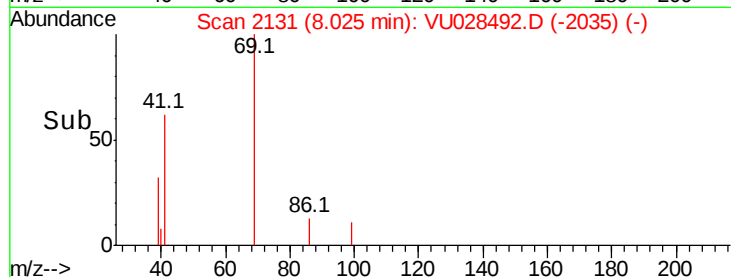
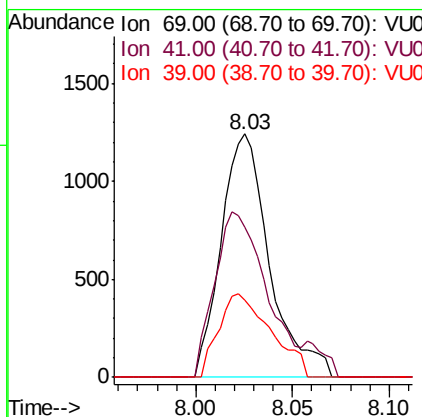
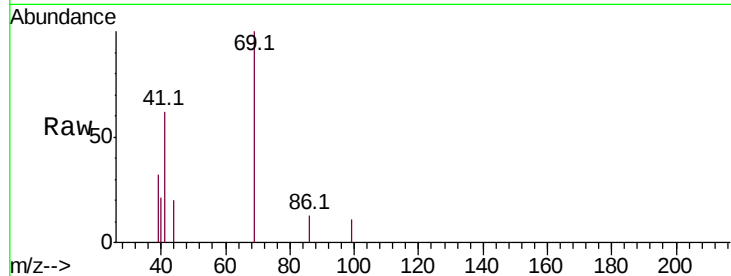
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	2159
Ion	Ratio	Lower	Upper
69	100		
41	72.9	59.1	88.7
39	37.1	28.4	42.6

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#57

1,3-Dichloropropane

Concen: 1.031 ug/l

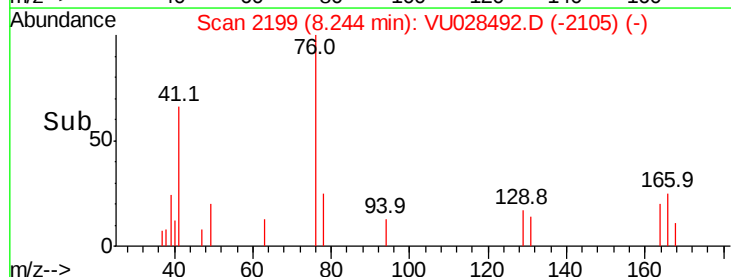
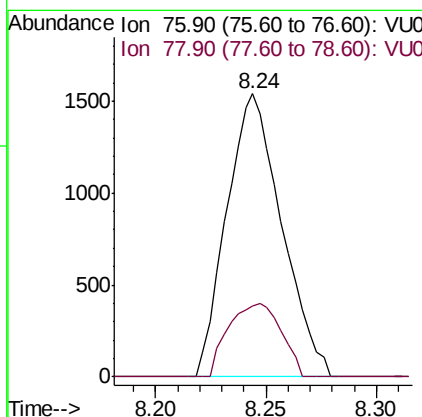
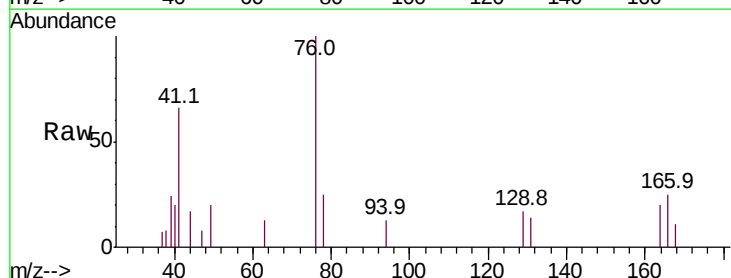
RT: 8.24 min Scan# 2199

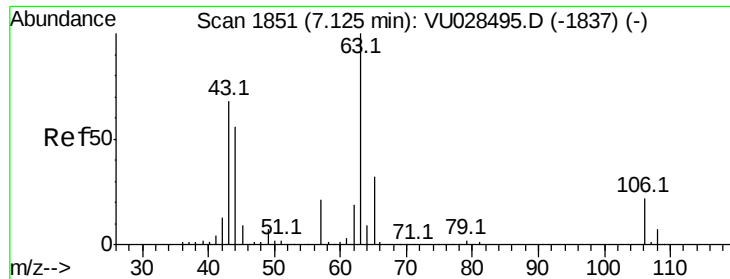
Delta R.T. 0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Tgt Ion:	76	Resp:	2650
Ion	Ratio	Lower	Upper
76	100		
78	25.0	25.2	37.8#





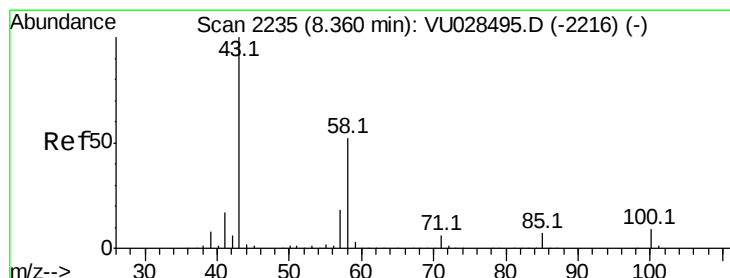
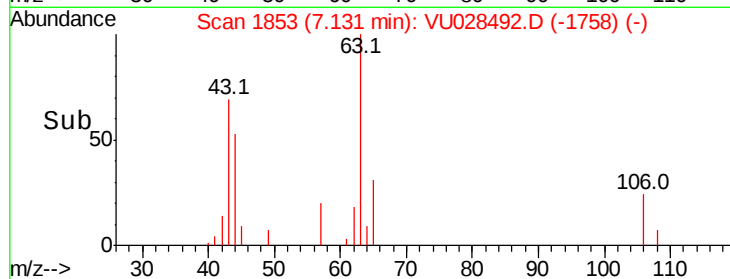
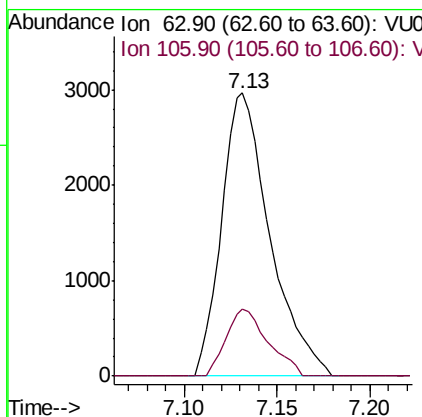
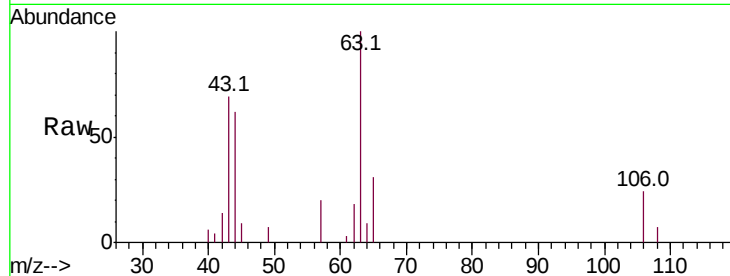
#58
2-Chloroethyl Vinyl ether
Concen: 4.414 ug/l
RT: 7.13 min Scan# 1853
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 63 Resp: 5362
Ion Ratio Lower Upper
63 100
106 20.4 17.8 26.6

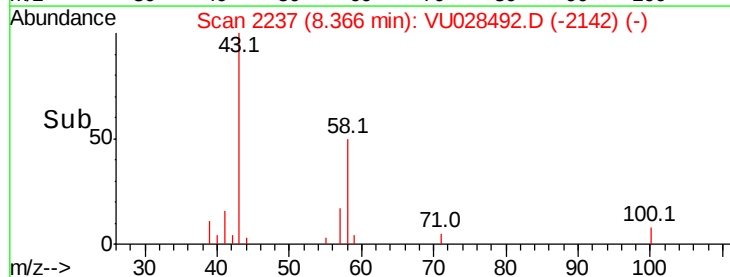
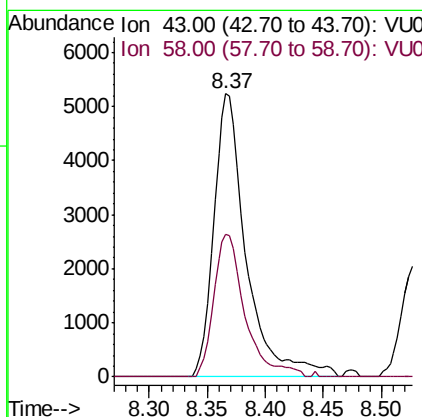
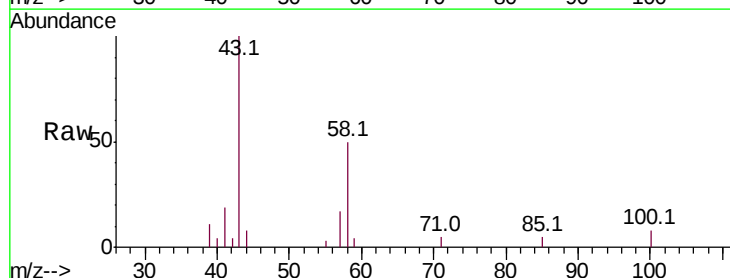
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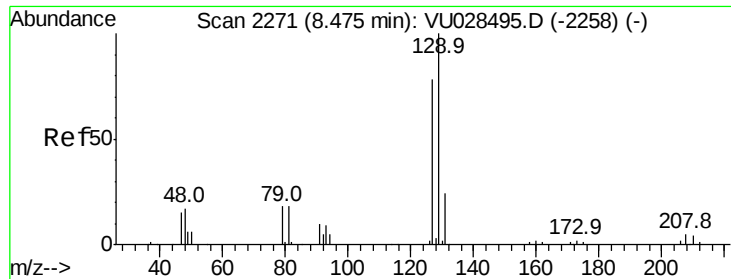
MMDadoda
12/7/2018 10:34:32 AM



#59
2-Hexanone
Concen: 4.950 ug/l
RT: 8.37 min Scan# 2237
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 43 Resp: 10228
Ion Ratio Lower Upper
43 100
58 48.3 25.9 77.6





#60

Dibromochloromethane

Concen: 1.038 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 1408

Ion Ratio Lower Upper

129 100

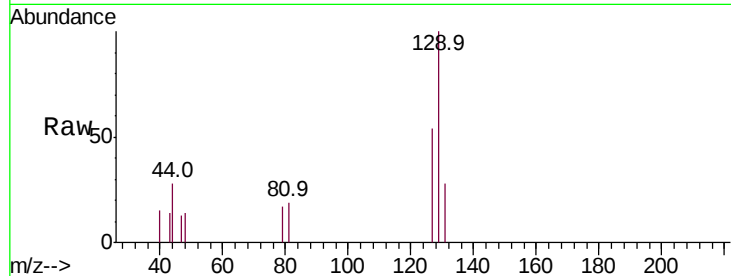
127 54.8 39.1 117.3

Manual Integrations

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12/7/2018 10:34:32 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.48

800

600

400

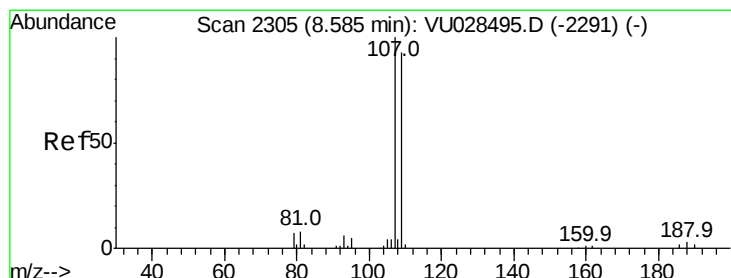
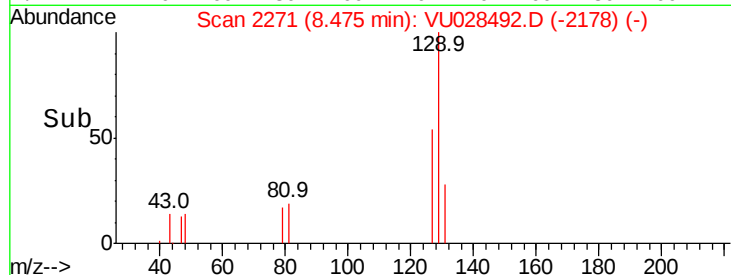
200

0

8.45

8.50

Time-->



#61

1,2-Dibromoethane

Concen: 0.874 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU028492.D

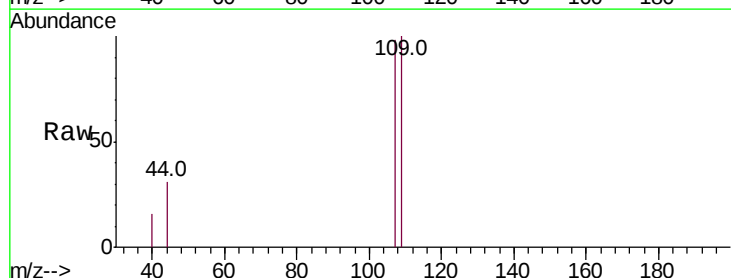
Acq: 06 Dec 2018 11:22

Tgt Ion:107 Resp: 1269

Ion Ratio Lower Upper

107 100

109 104.8 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

800

600

400

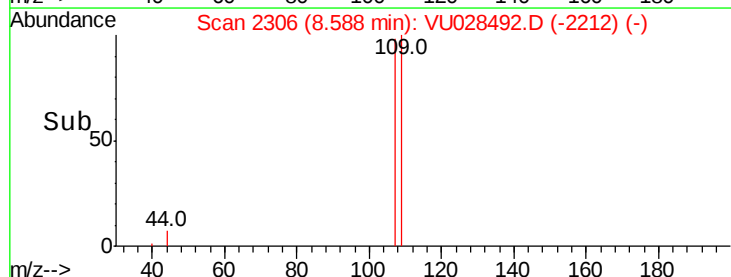
200

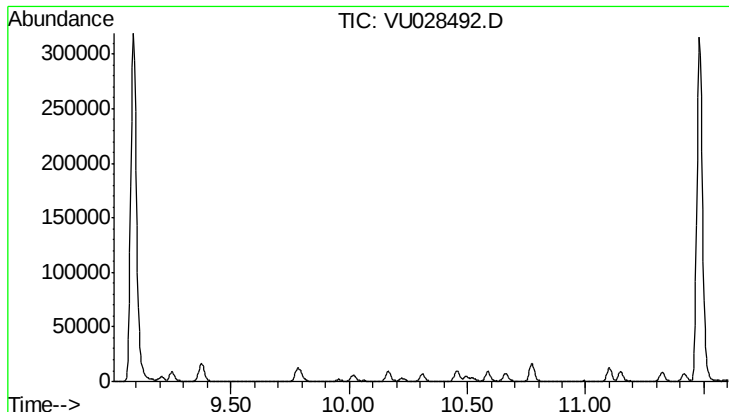
0

8.55

8.60

Time-->





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 10.31 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Tot Ion: 95

Sig Exp Ratio

95 100

174 75.2

176 72.6

Instrument :

MSVOA_U

ClientSampleId :

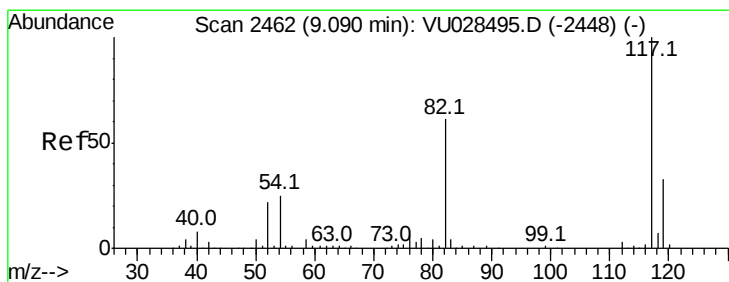
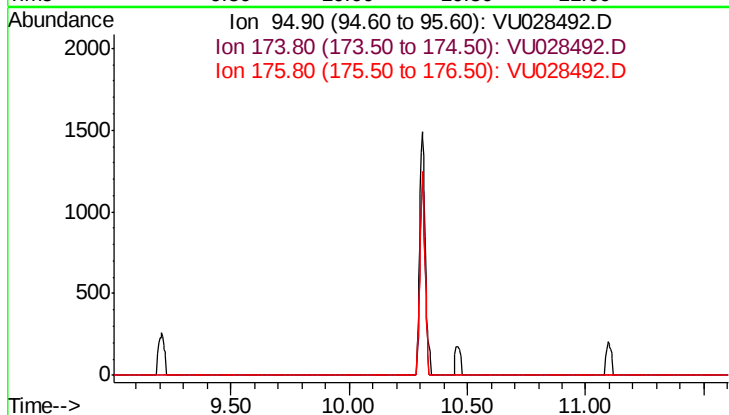
VSTDIC001

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

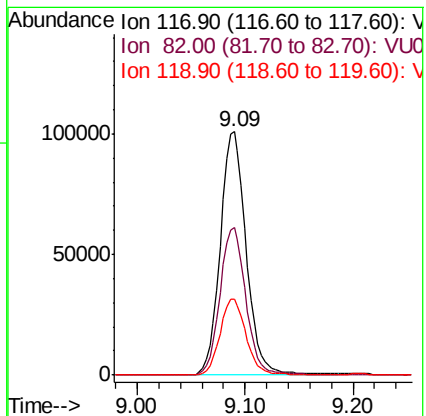
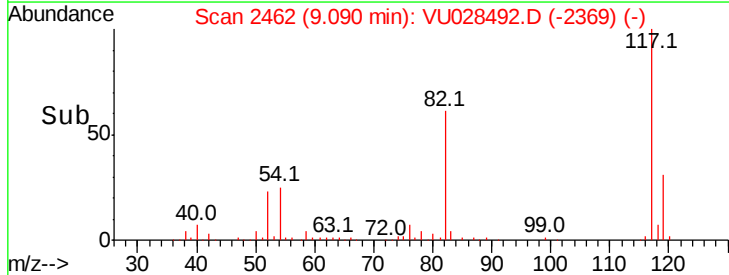
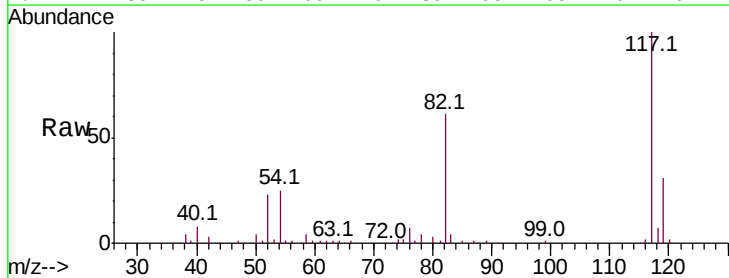
Tgt Ion:117 Resp: 168986

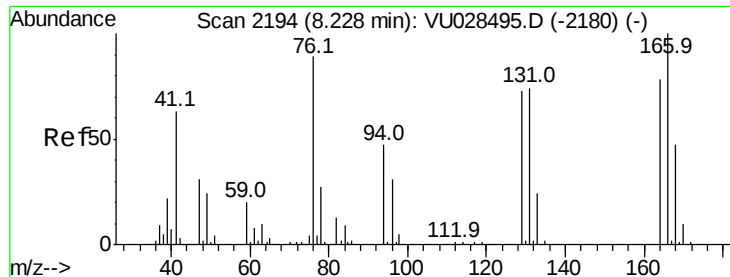
Ion Ratio Lower Upper

117 100

82 60.6 48.9 73.3

119 31.2 26.2 39.4





#64

Tetrachloroethene

Concen: 1.124 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 1267

Ion Ratio Lower Upper

164 100

166 115.8 101.9 152.9

129 88.5 74.9 112.3

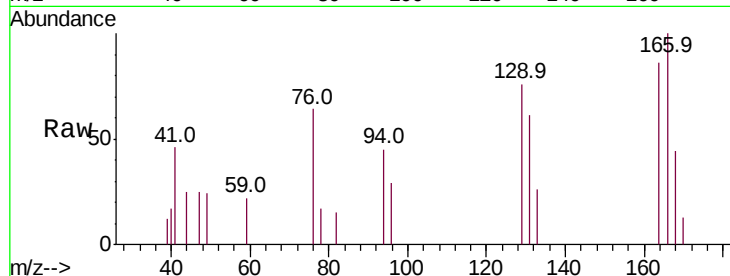
131 70.6 75.4 113.0#

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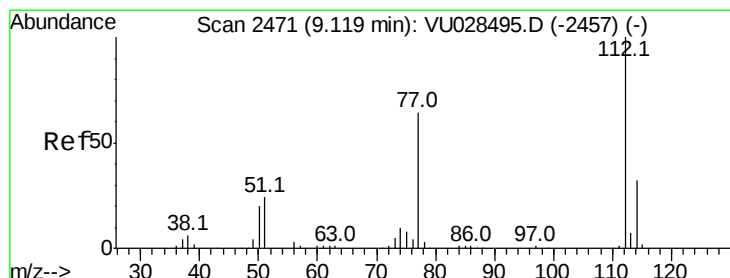
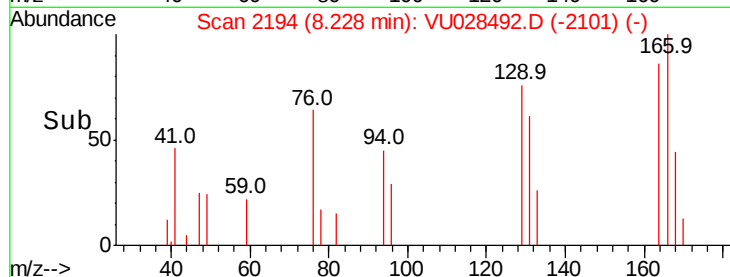
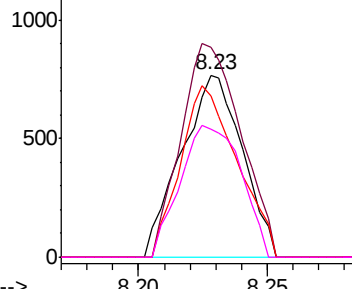


Abundance Ion 163.80 (163.50 to 164.50): V

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: 1.018 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028492.D

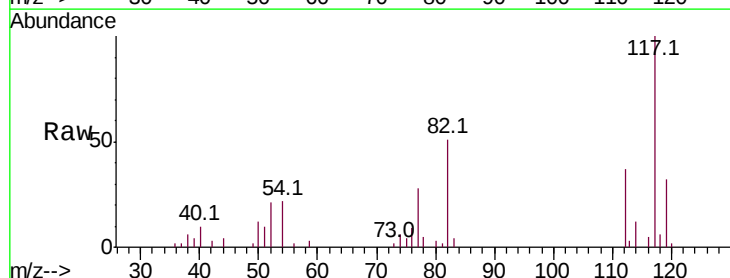
Acq: 06 Dec 2018 11:22

Tgt Ion:112 Resp: 3664

Ion Ratio Lower Upper

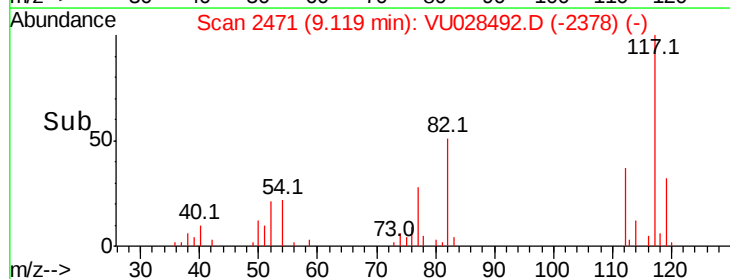
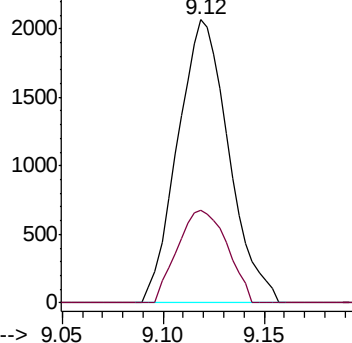
112 100

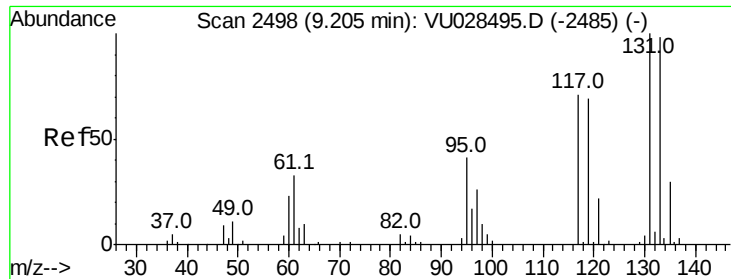
114 32.9 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





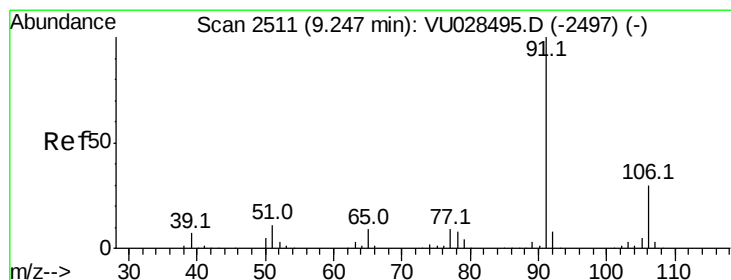
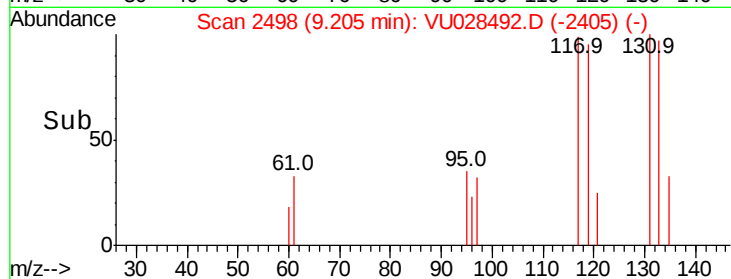
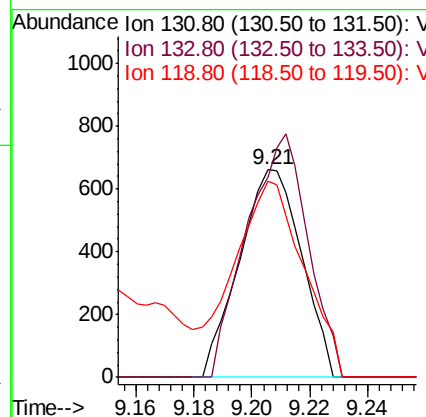
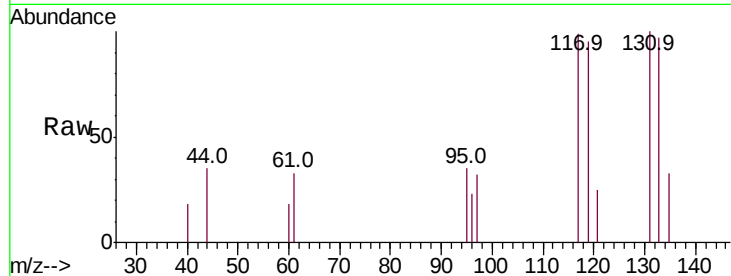
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.857 ug/l
 RT: 9.21 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	114.9	48.0	144.0
119	0.0	34.6	103.9#

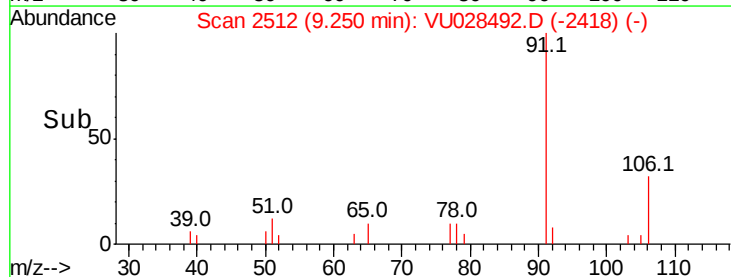
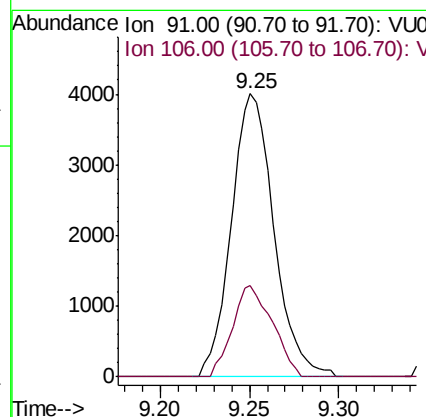
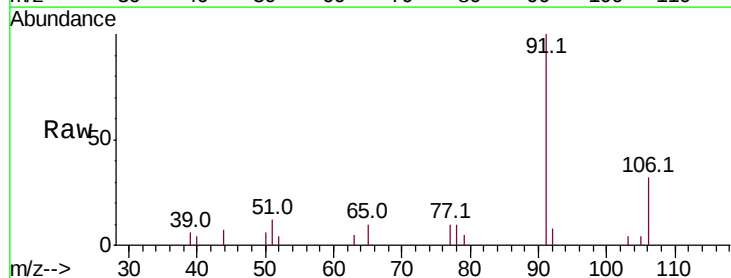
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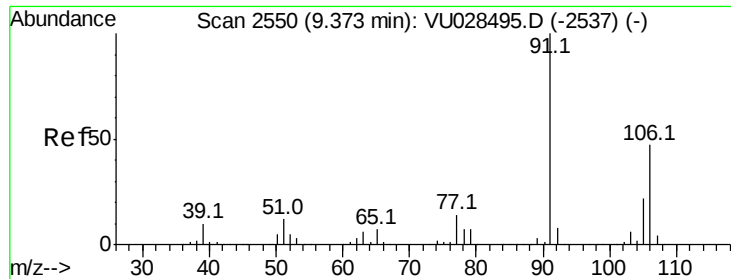
MMDadoda
 12/7/2018 10:34:32 AM



#67
 Ethyl Benzene
 Concen: 1.004 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.2	24.1	36.1





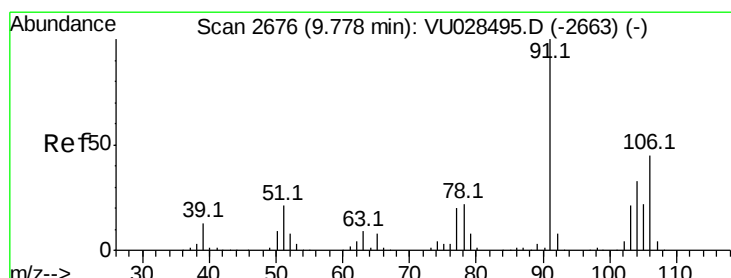
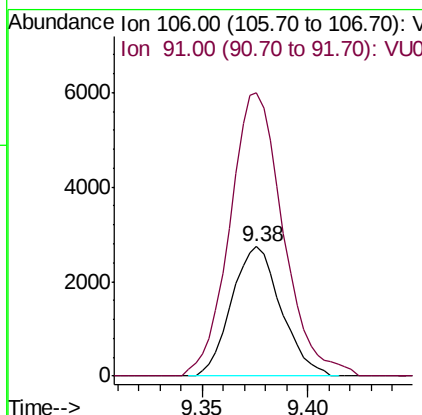
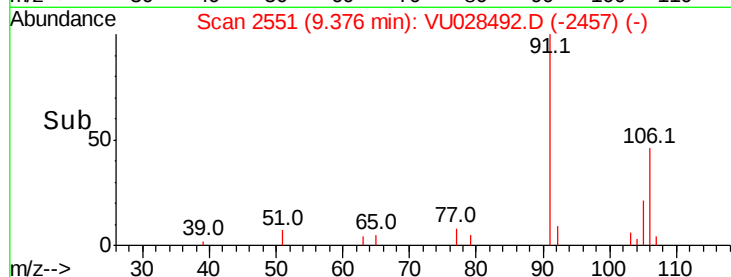
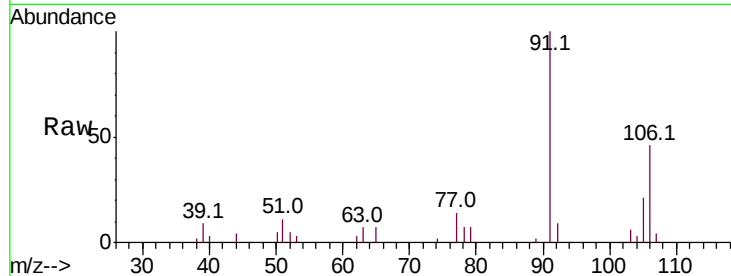
#68
m/p-Xylenes
Concen: 1.852 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 4460
Ion Ratio Lower Upper
106 100
91 236.3 167.4 251.0

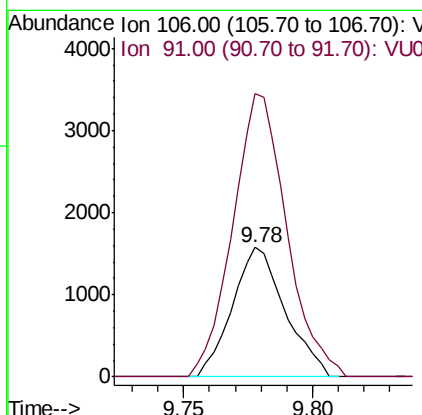
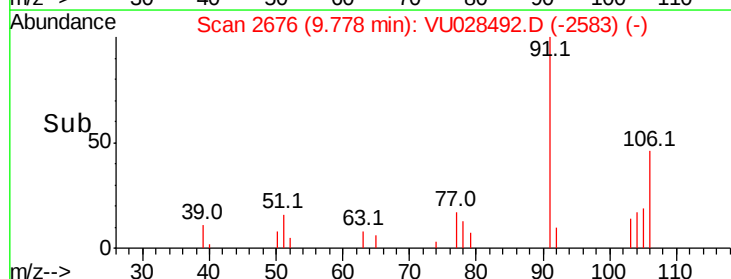
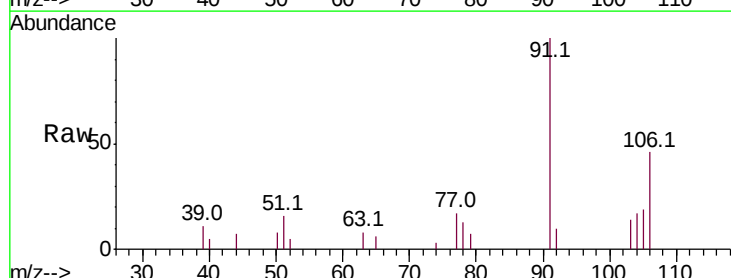
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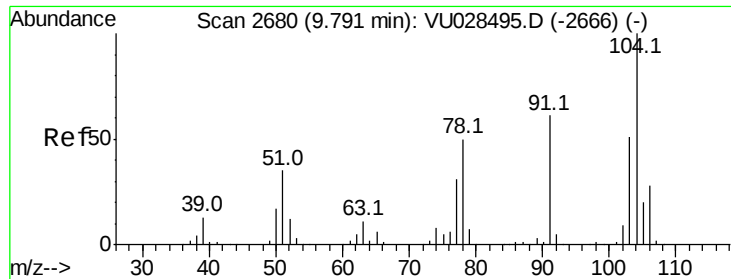
MMDadoda
12/7/2018 10:34:32 AM



#69
o-Xylene
Concen: 0.960 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion:106 Resp: 2247
Ion Ratio Lower Upper
106 100
91 222.9 111.3 334.0





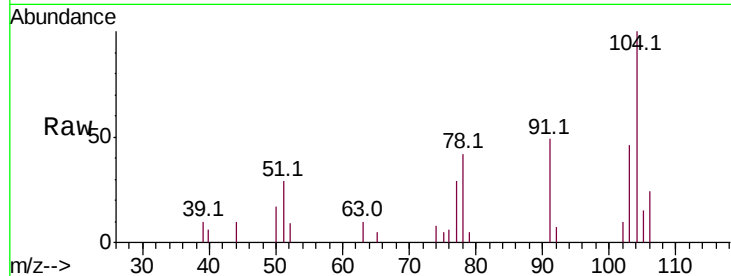
#70
Stvrene
Concen: 0.945 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

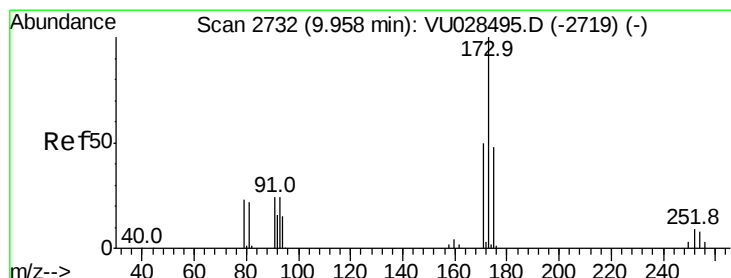
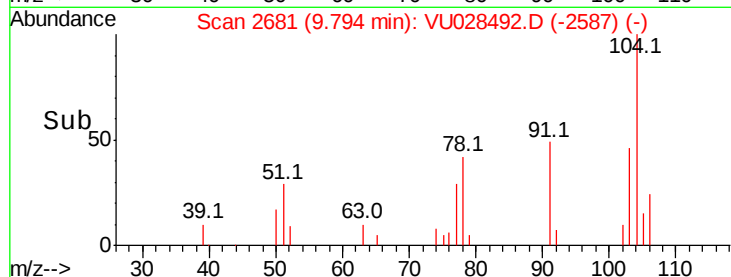
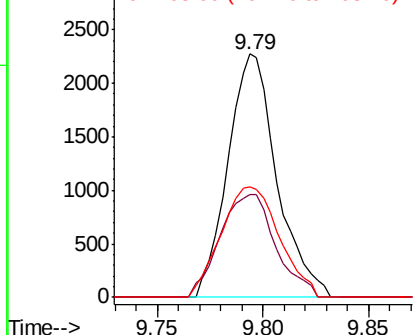
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.0	43.0	64.6
103	54.2	44.2	66.4

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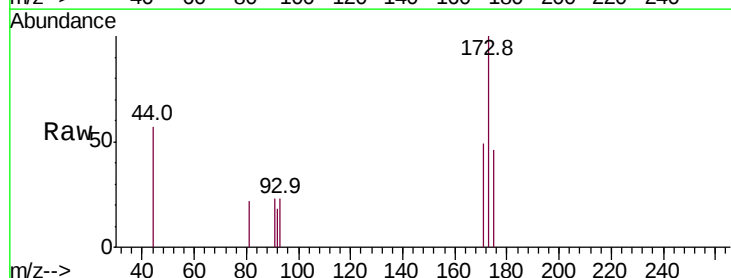


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

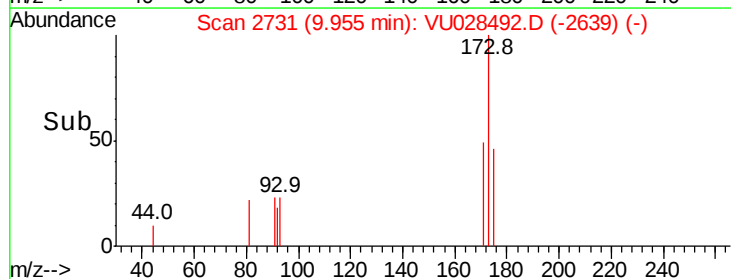
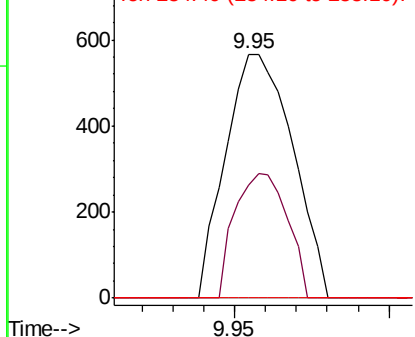


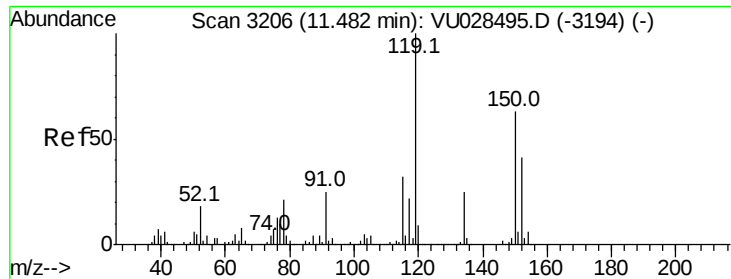
#71
Bromoform
Concen: 0.873 ug/l
RT: 9.95 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
173	100		
175	39.8	23.9	71.8
254	0.0	0.0	0.0



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: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 74458

Ion Ratio Lower Upper

152 100

115 61.2 42.7 128.1

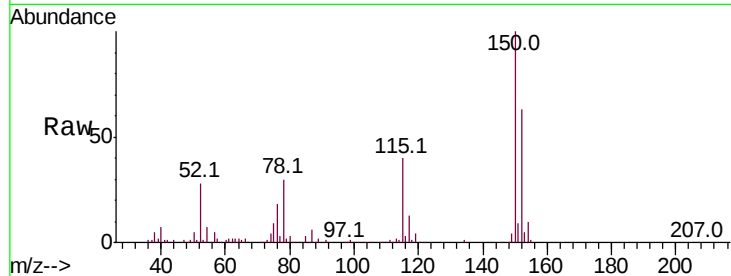
150 159.9 0.0 346.0

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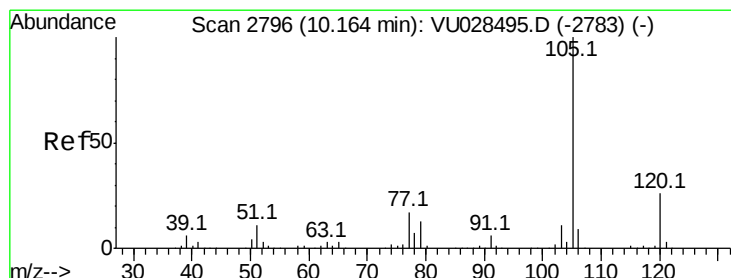
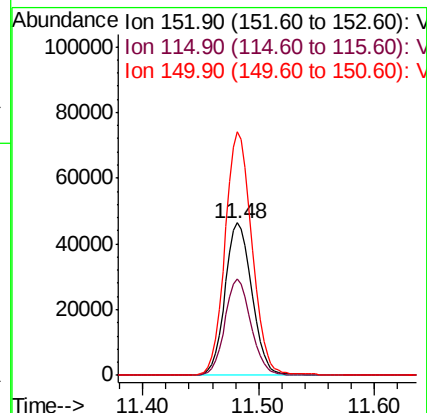
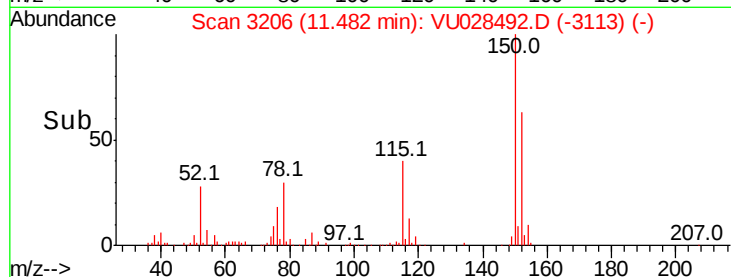
12/7/2018 10:34:32 AM



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: 1.111 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028492.D

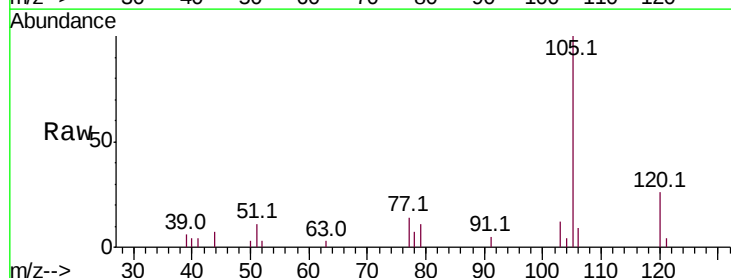
Acq: 06 Dec 2018 11:22

Tgt Ion:105 Resp: 6346

Ion Ratio Lower Upper

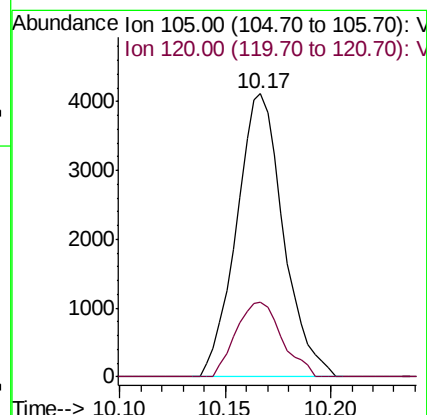
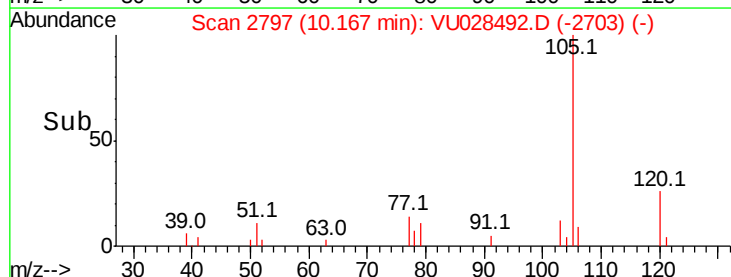
105 100

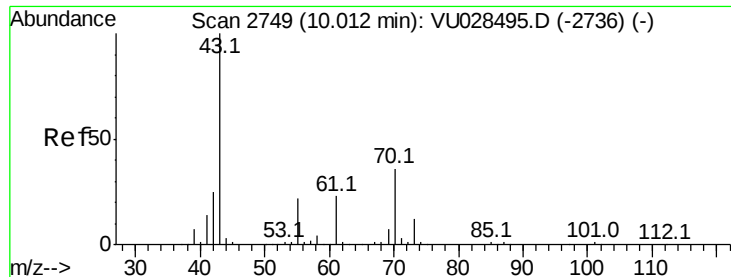
120 26.0 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





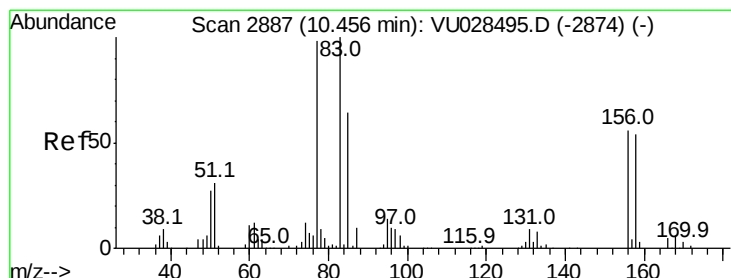
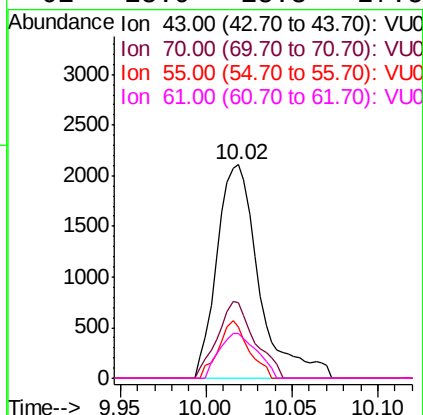
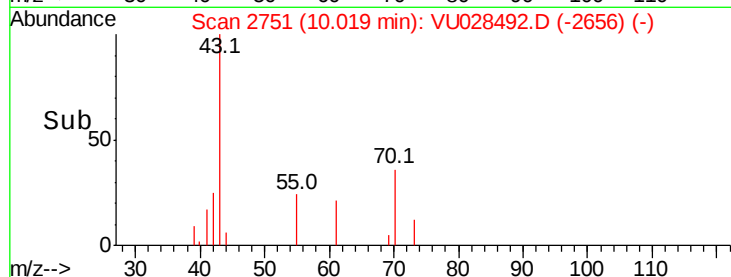
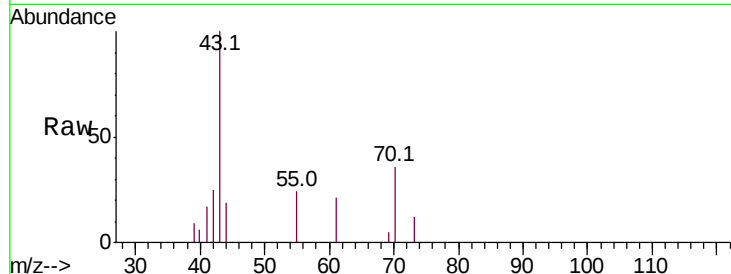
#74
N-amvl acetate
Concen: 1.096 ug/l
RT: 10.02 min Scan# 2751
Delta R.T. 0.01 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:	43	Resp:	3613
Ion	Ratio	Lower	Upper
43	100		
70	31.6	29.3	43.9
55	19.1	18.0	27.0
61	18.9	18.3	27.5

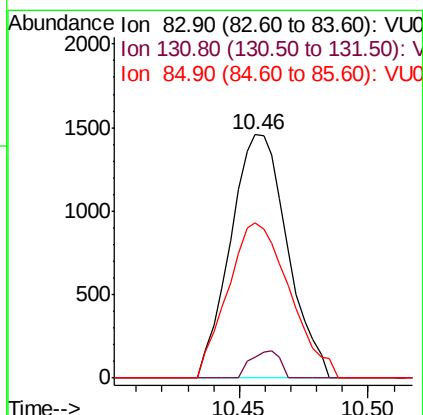
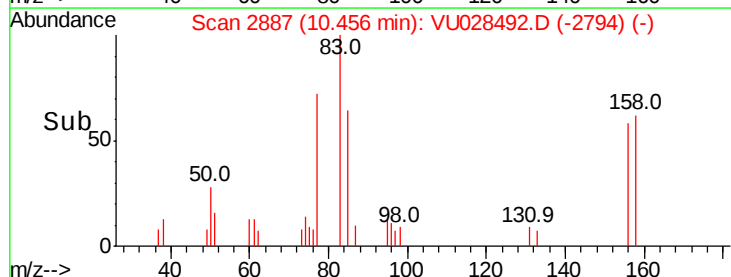
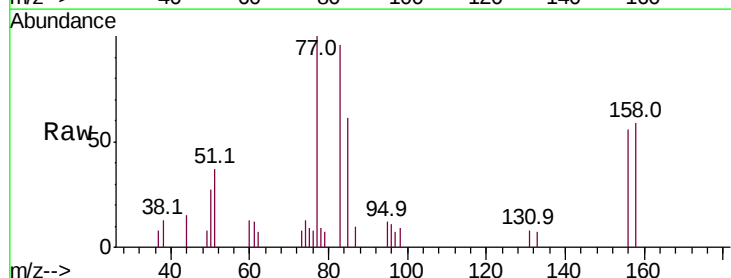
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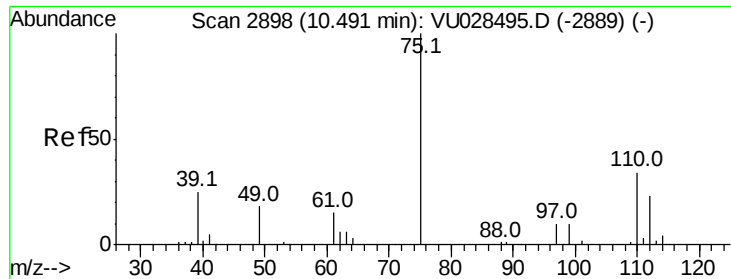
MMDadoda
12/7/2018 10:34:32 AM



#75
1,1,2,2-Tetrachloroethane
Concen: 1.022 ug/l
RT: 10.46 min Scan# 2887
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion:	83	Resp:	2242
Ion	Ratio	Lower	Upper
83	100		
131	5.8	4.2	12.4
85	69.3	31.8	95.4





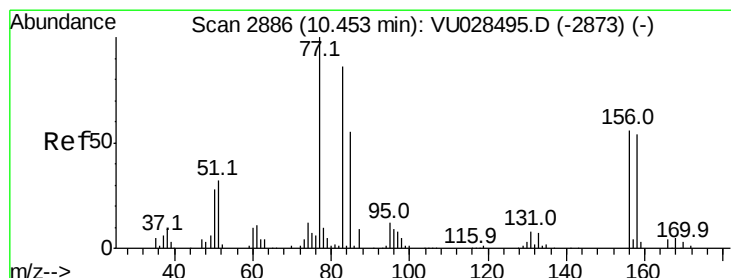
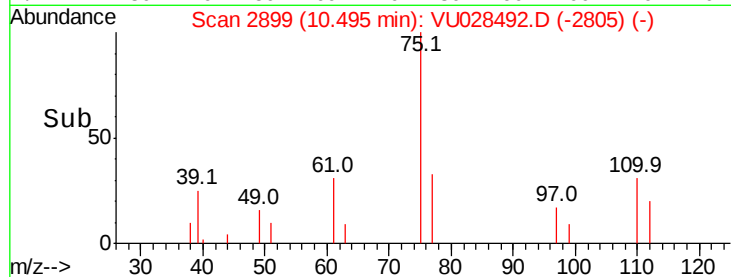
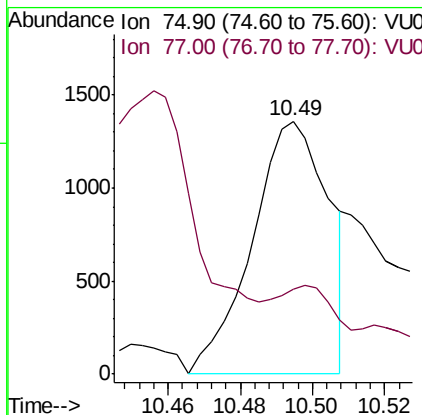
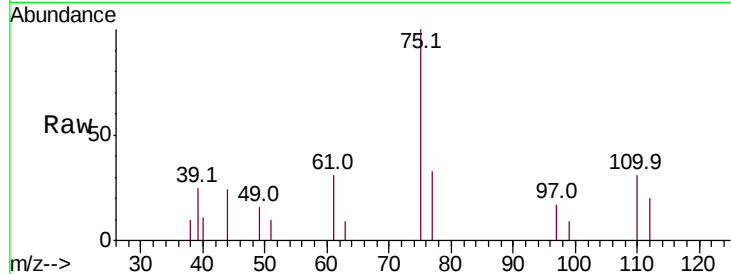
#76
 1,2,3-Trichloropropane
 Concen: 0.934 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 2007
 Ion Ratio Lower Upper
 75 100
 77 7.0 20.8 62.4#

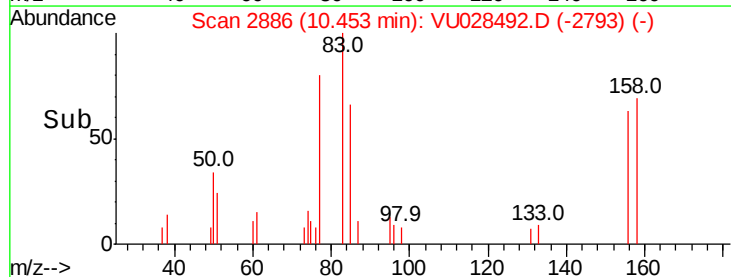
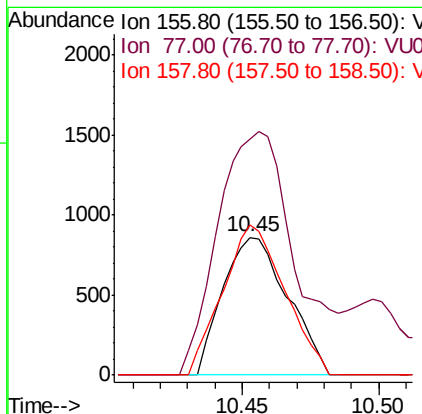
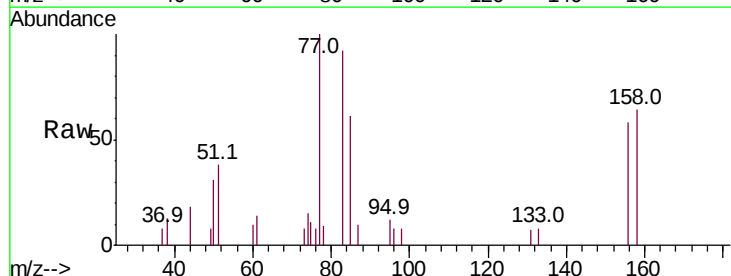
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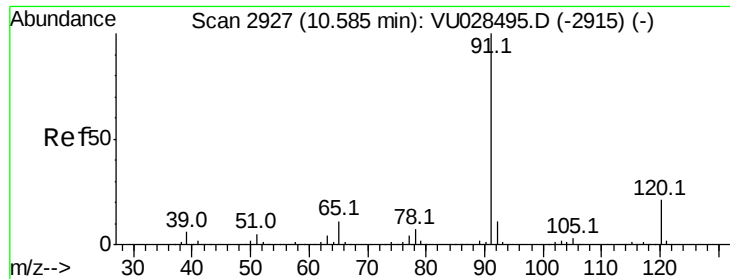
MMDadoda
 12/7/2018 10:34:32 AM



#77
 Bromobenzene
 Concen: 1.064 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. -0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Tgt Ion: 156 Resp: 1422
 Ion Ratio Lower Upper
 156 100
 77 209.4 92.4 277.2
 158 104.4 48.4 145.3





#78

n-propylbenzene

Concen: 1.092 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 7751

Ion Ratio Lower Upper

91 100

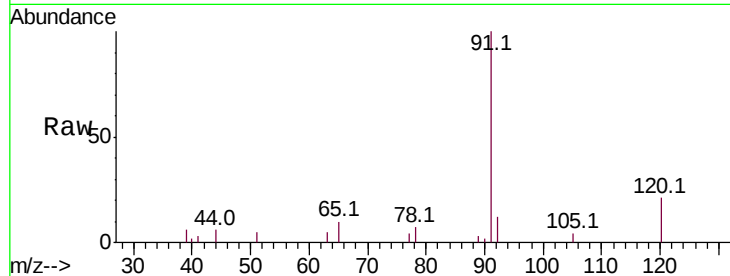
120 21.2 10.6 31.8

Manual Integrations

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12/7/2018 10:34:32 AM



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

10.59

5000

4000

3000

2000

1000

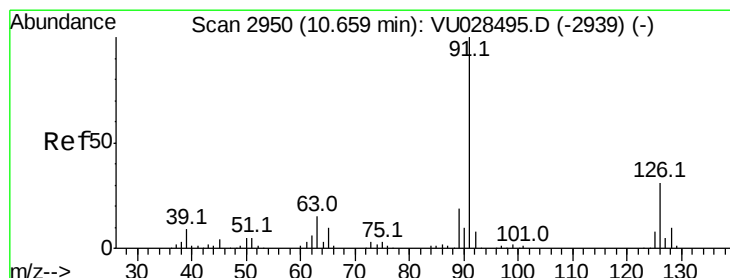
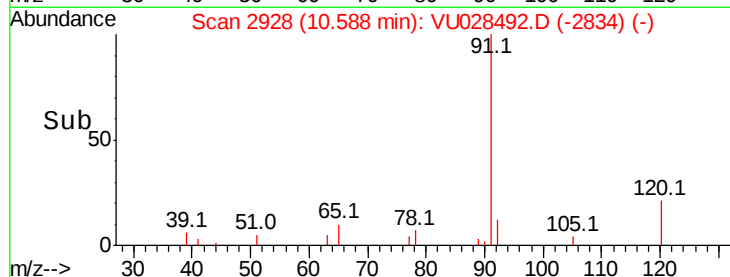
0

Time-->

10.55

10.60

10.65



#79

2-Chlorotoluene

Concen: 1.057 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU028492.D

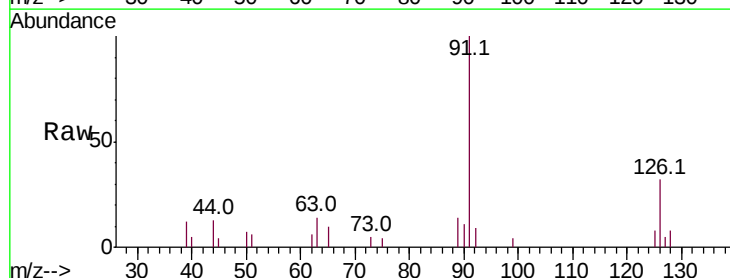
Acq: 06 Dec 2018 11:22

Tgt Ion: 91 Resp: 4322

Ion Ratio Lower Upper

91 100

126 35.0 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

10.66

3000

2500

2000

1500

1000

500

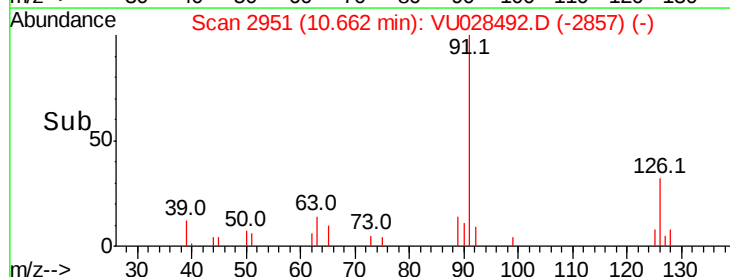
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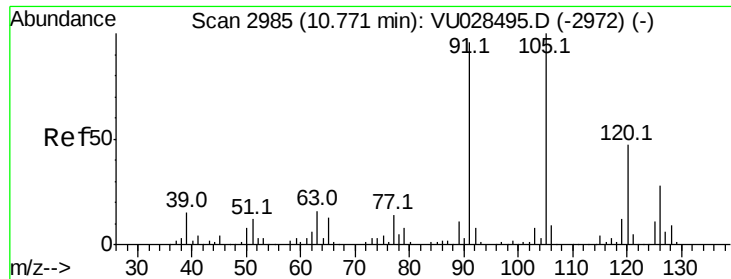
Time-->

10.60

10.65

10.70





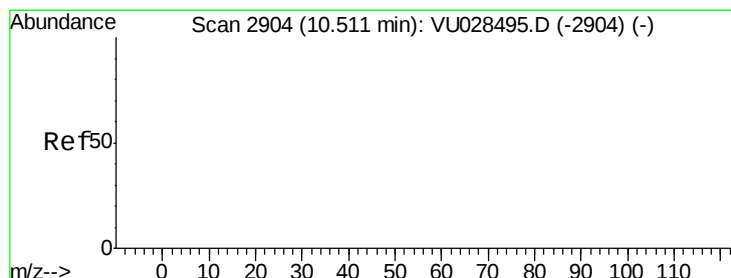
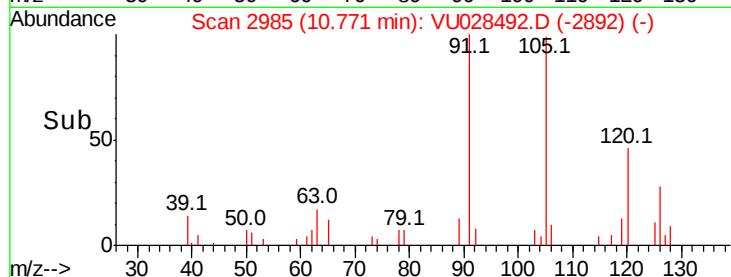
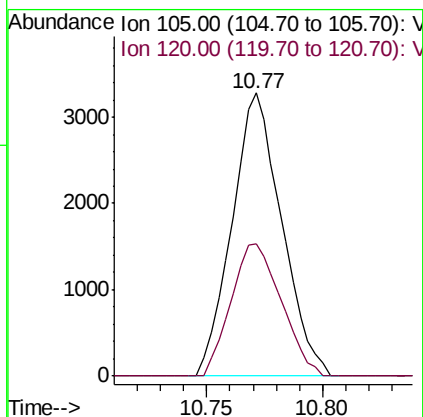
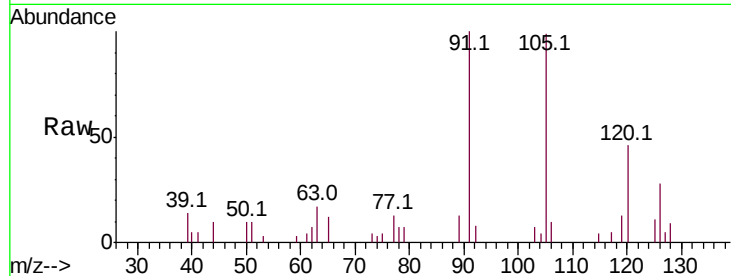
#80
 1,3,5-Trimethylbenzene
 Concen: 1.030 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 105 Resp: 4872
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.7 71.1

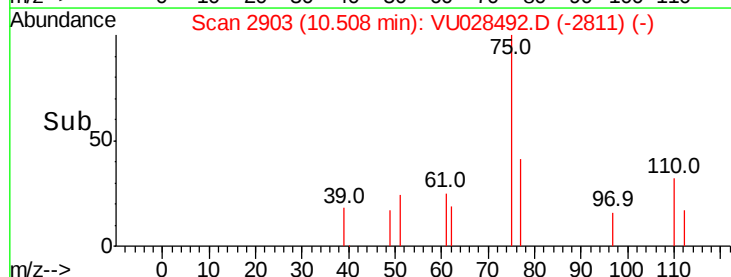
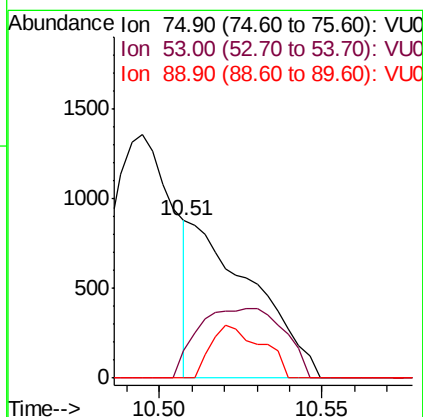
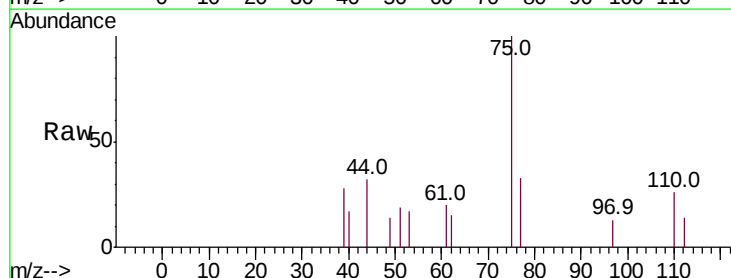
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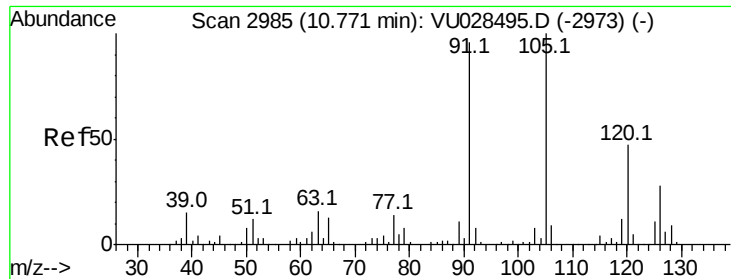
MMDadoda
 12/7/2018 10:34:32 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 1.095 ug/l m
 RT: 10.51 min Scan# 2903
 Delta R.T. -0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Tgt Ion: 75 Resp: 1163
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





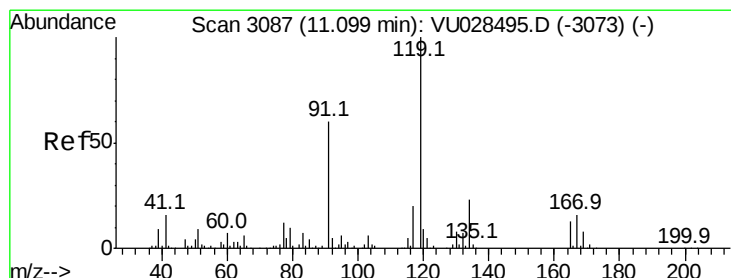
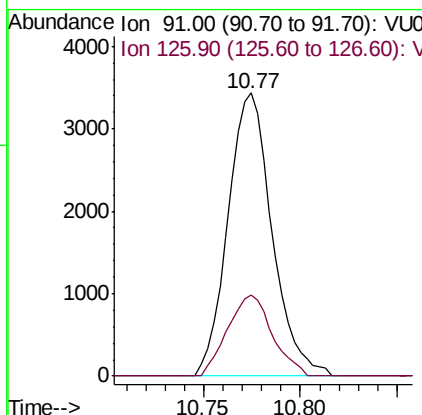
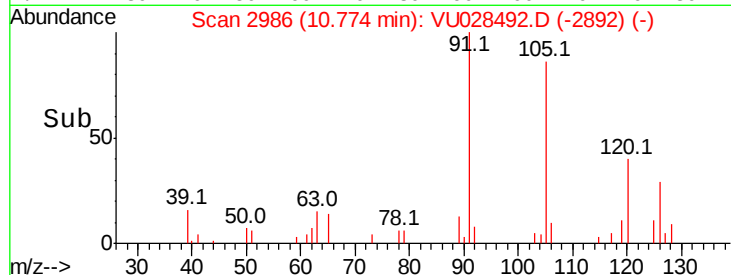
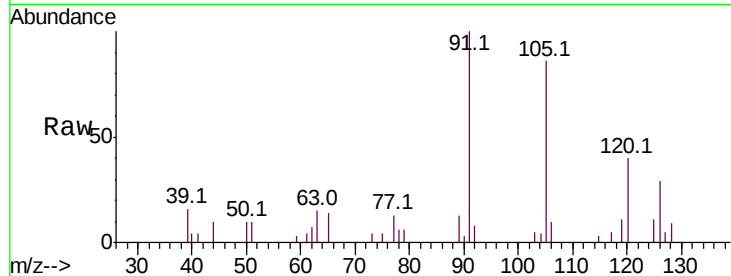
#82
4-Chlorotoluene
Concen: 1.121 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 5433
Ion Ratio Lower Upper
91 100
126 29.2 14.1 42.3

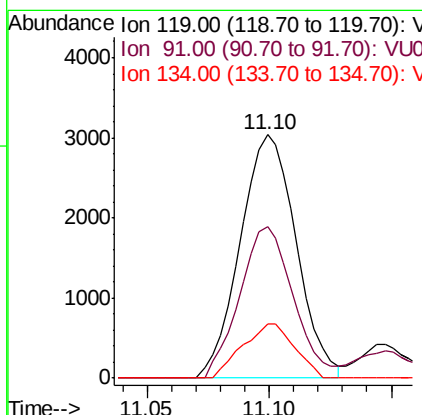
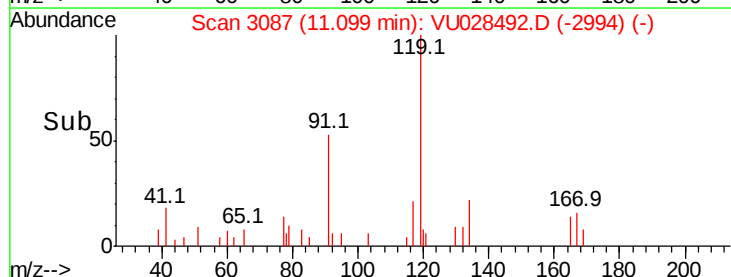
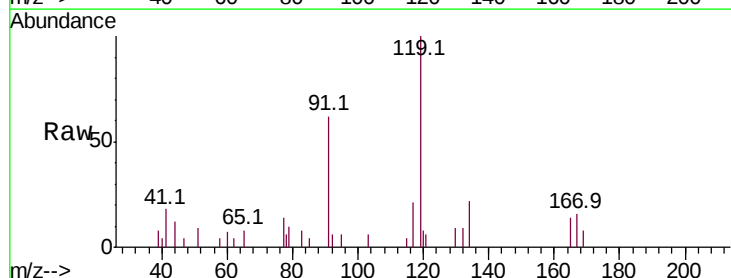
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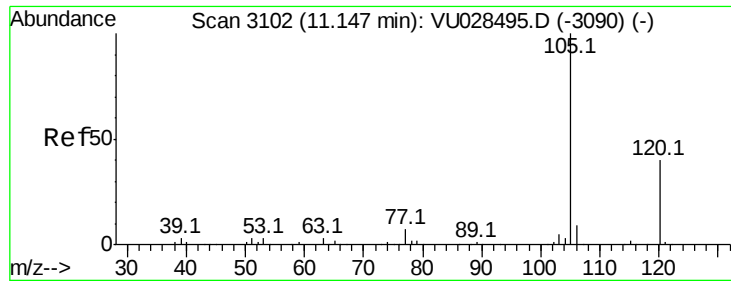
MMDadoda
12/7/2018 10:34:32 AM



#83
tert-Butylbenzene
Concen: 1.060 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028492.D
Acq: 06 Dec 2018 11:22

Tgt Ion: 119 Resp: 4831
Ion Ratio Lower Upper
119 100
91 59.2 30.3 91.0
134 20.7 11.2 33.5





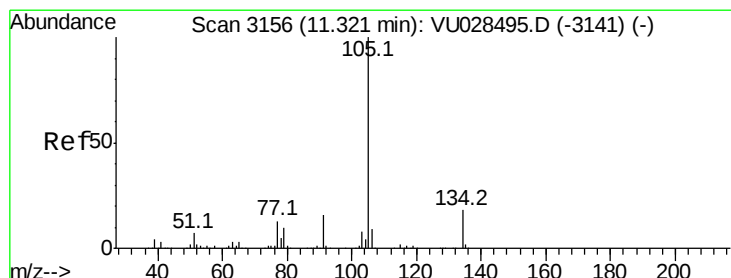
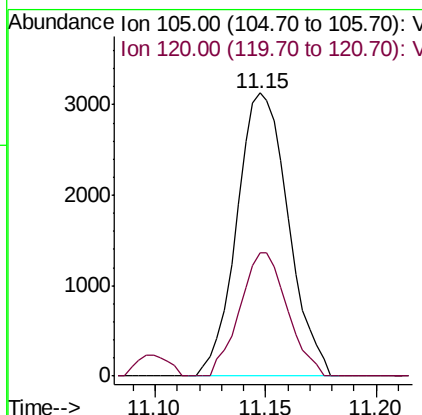
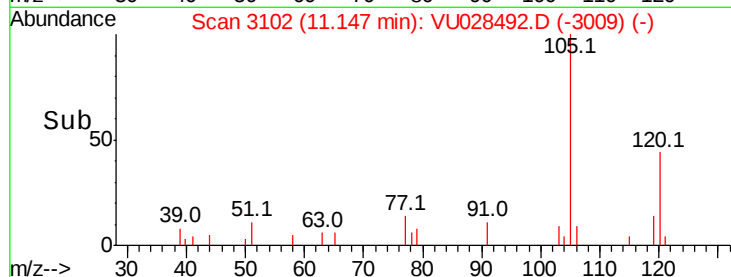
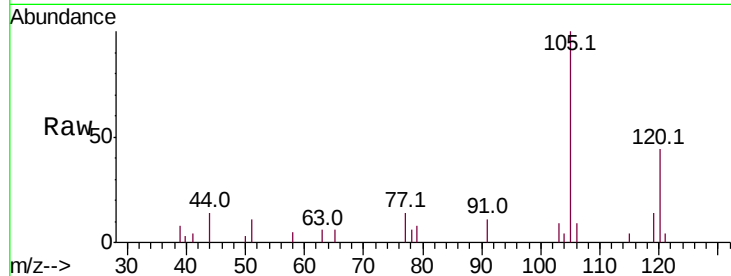
#84
 1,2,4-Trimethylbenzene
 Concen: 1.039 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	40.2	21.8	65.4

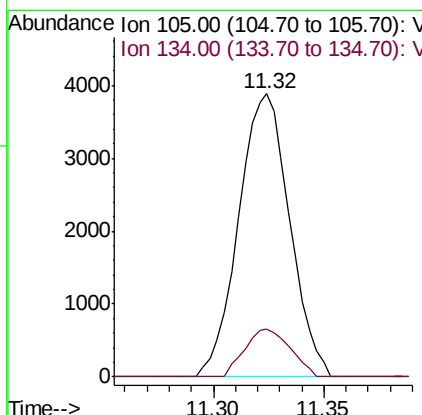
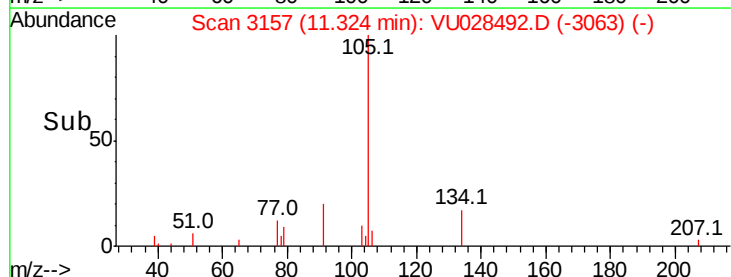
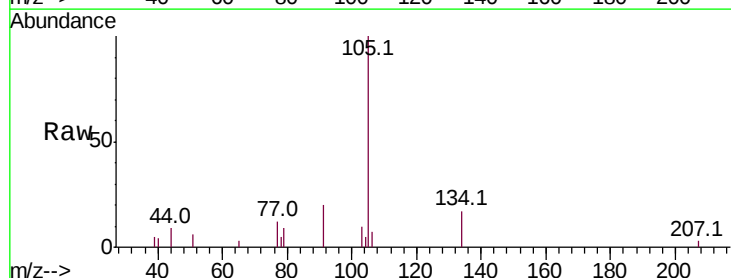
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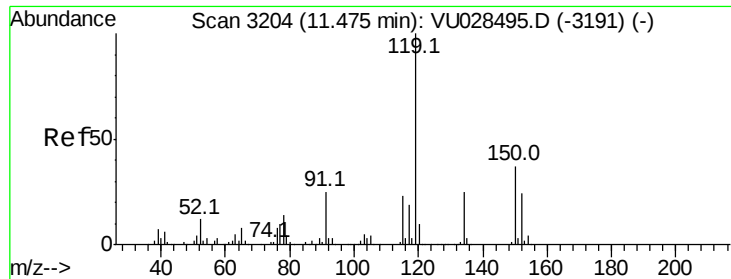
MMDadoda
 12/7/2018 10:34:32 AM



#85
 sec-Butylbenzene
 Concen: 1.062 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Tgt Ion	Ratio	Lower	Upper
105	100		
134	15.0	9.2	27.6





#86

p-Isopropyltoluene

Concen: 1.079 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

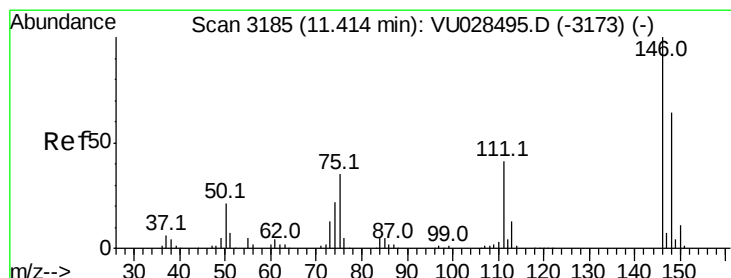
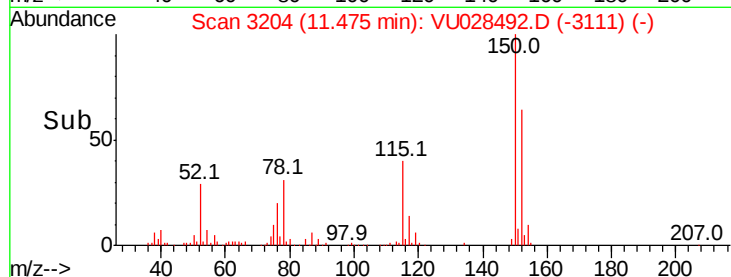
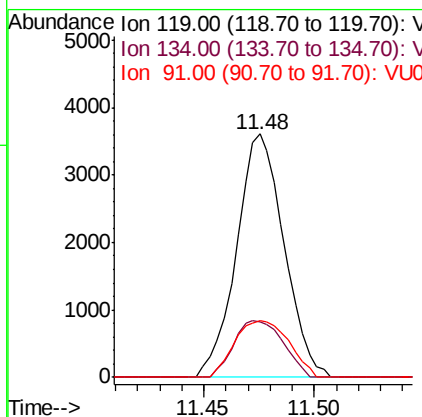
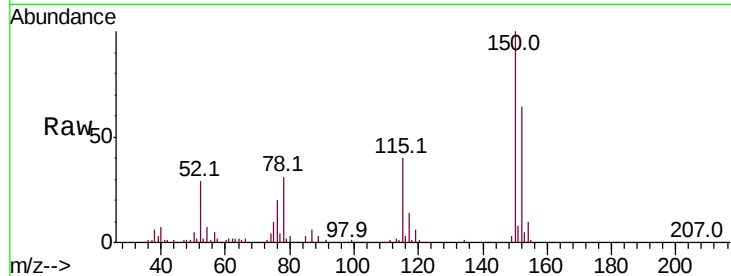
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	5369
Ion Ratio	Lower	Upper	
119	100		
134	24.4	12.7	38.1
91	26.7	12.6	37.6

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#87

1,3-Dichlorobenzene

Concen: 1.130 ug/l

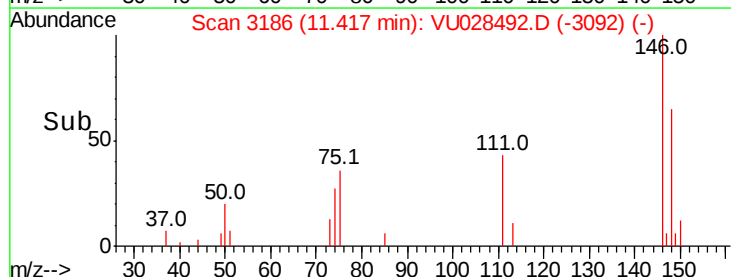
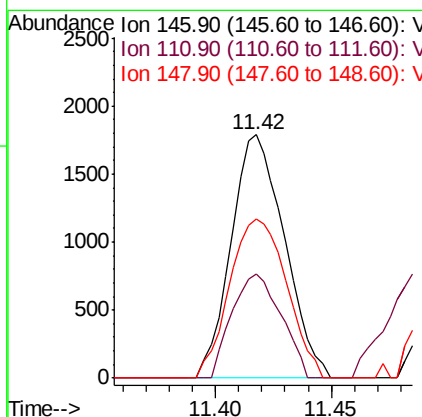
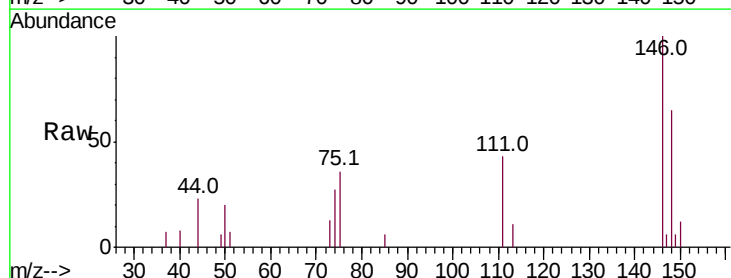
RT: 11.42 min Scan# 3186

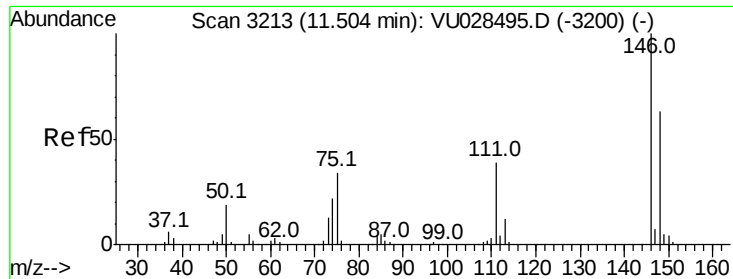
Delta R.T. 0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Tgt Ion:	146	Resp:	2850
Ion Ratio	Lower	Upper	
146	100		
111	39.5	20.7	62.1
148	70.1	31.9	95.7





#88

1,4-Dichlorobenzene

Concen: 1.229 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

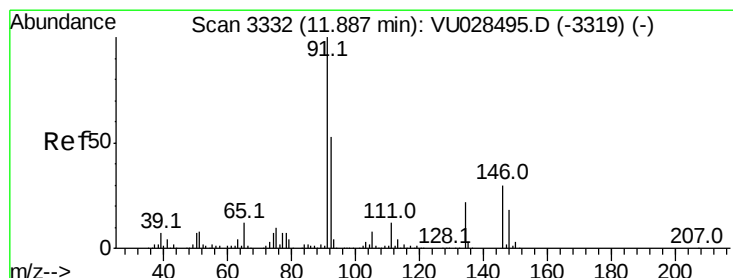
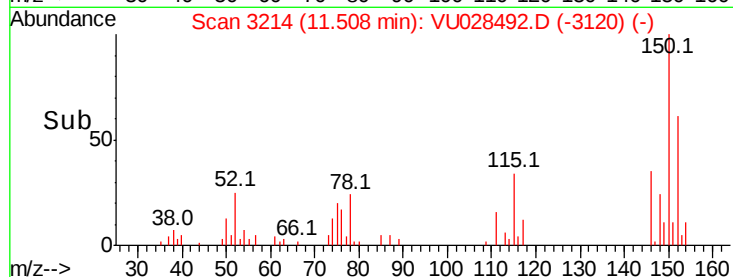
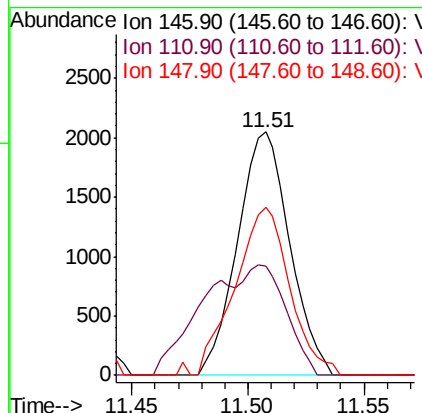
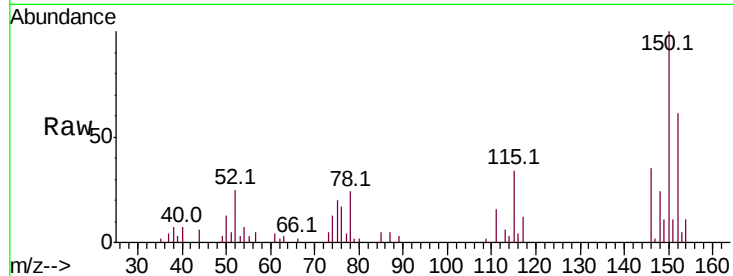
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	3209
Ion	Ratio	Lower	Upper
146	100		
111	34.5	20.2	60.5
148	72.3	31.6	95.0

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#89

n-Butylbenzene

Concen: 1.081 ug/l

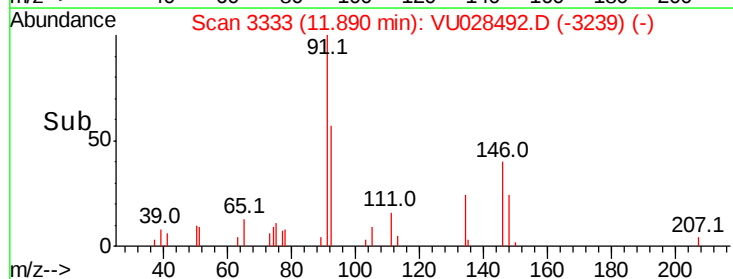
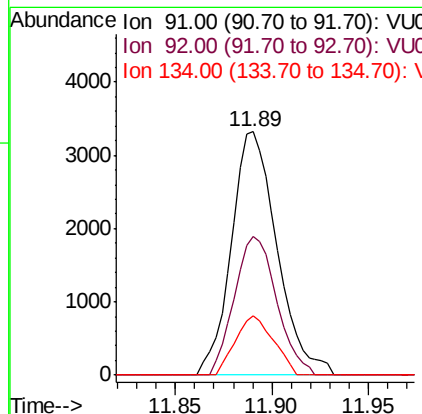
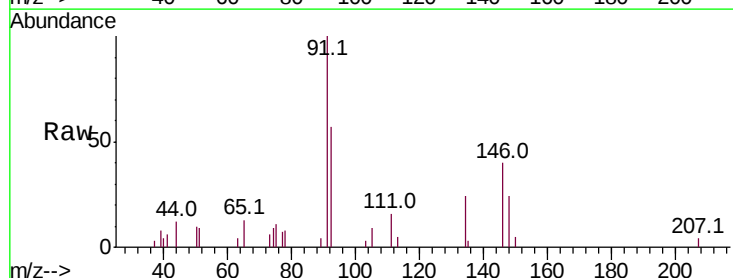
RT: 11.89 min Scan# 3333

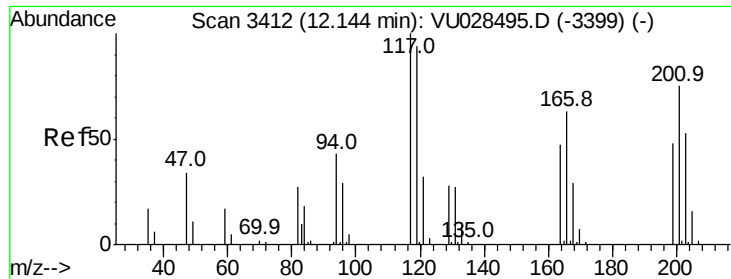
Delta R.T. 0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Tgt Ion:	91	Resp:	5444
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.9
134	20.2	11.3	33.8





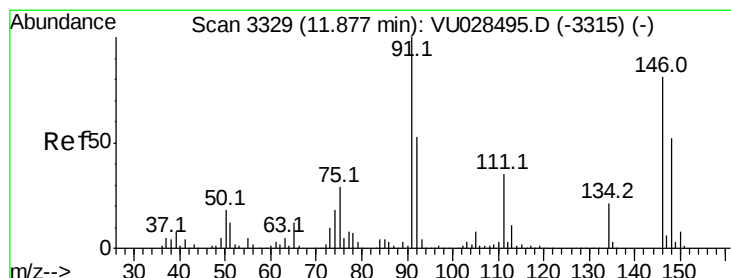
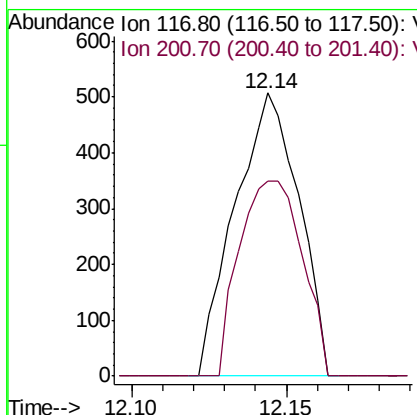
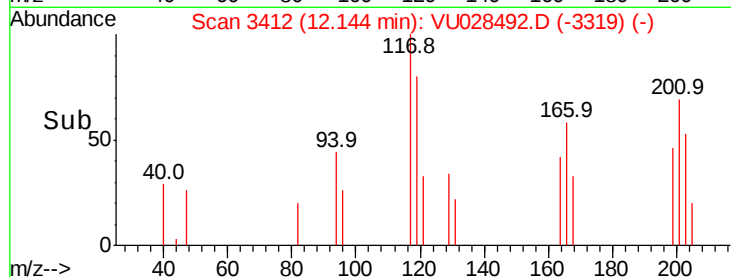
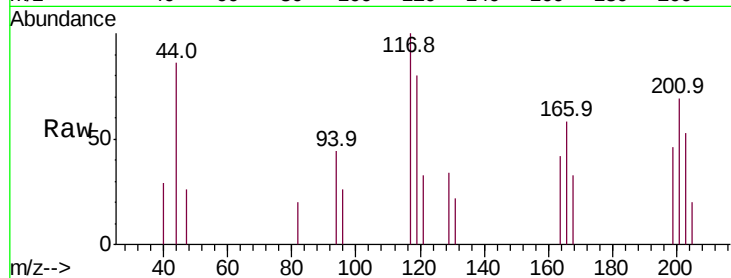
#90
 Hexachloroethane
 Concen: 0.966 ug/l
 RT: 12.14 min Scan# 3412
 Delta R.T. -0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:117 Resp: 726
 Ion Ratio Lower Upper
 117 100
 201 68.0 38.1 114.5

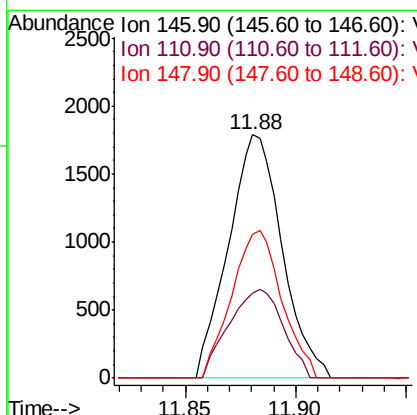
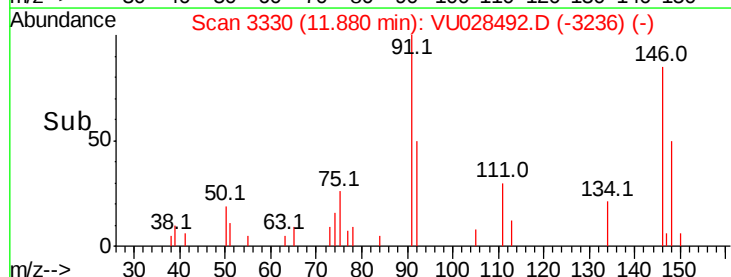
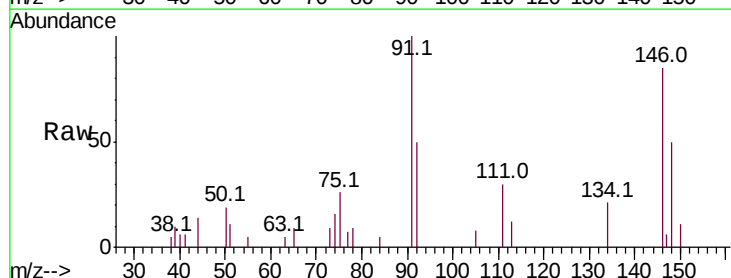
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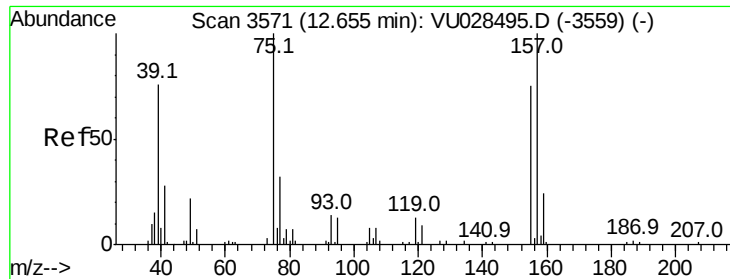
MMDadoda
 12/7/2018 10:34:32 AM



#91
 1,2-Dichlorobenzene
 Concen: 1.193 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Tgt Ion:146 Resp: 3011
 Ion Ratio Lower Upper
 146 100
 111 36.8 21.1 63.4
 148 56.8 31.4 94.2





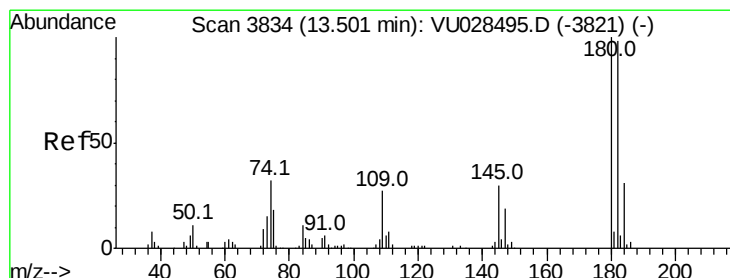
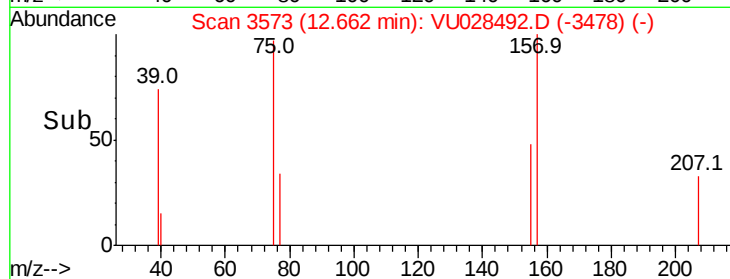
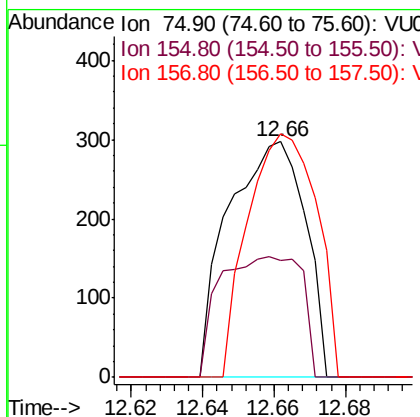
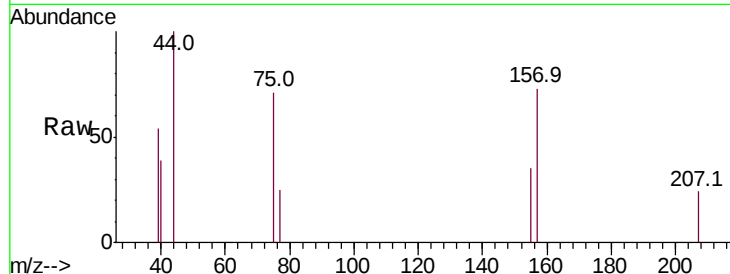
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.930 ug/l
 RT: 12.66 min Scan# 3573
 Delta R.T. 0.01 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 442
 Ion Ratio Lower Upper
 75 100
 155 54.5 38.1 114.5
 157 92.5 48.7 146.1

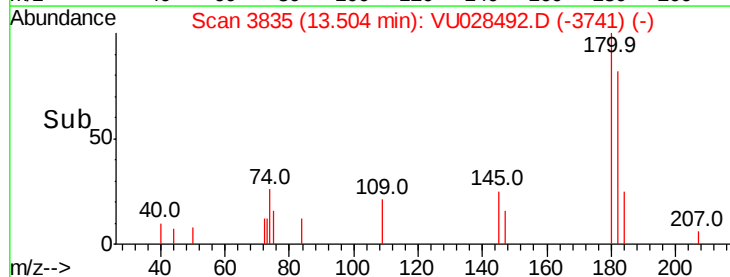
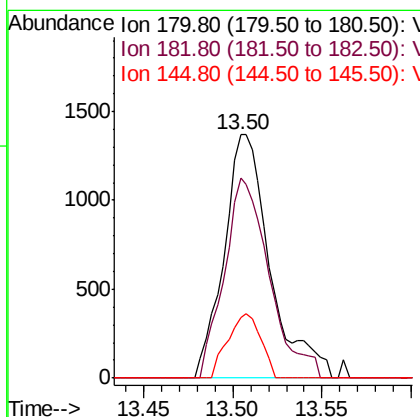
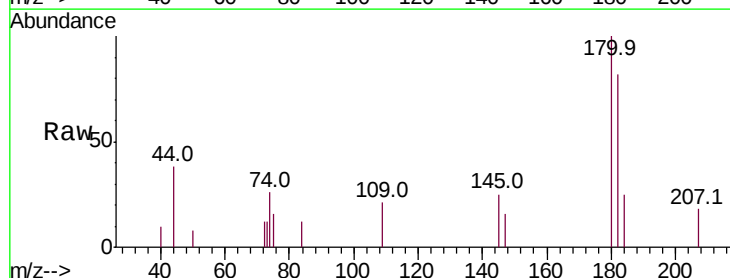
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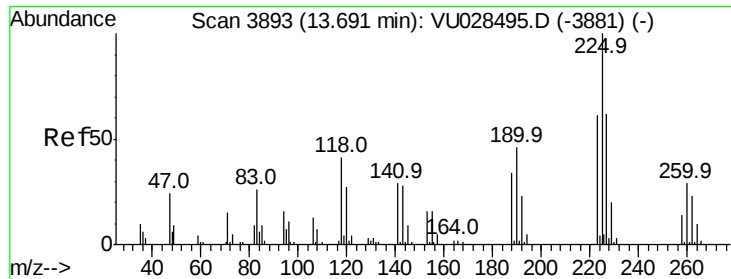
MMDadoda
 12/7/2018 10:34:32 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 1.357 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Tgt Ion: 180 Resp: 2455
 Ion Ratio Lower Upper
 180 100
 182 80.0 47.9 143.8
 145 18.9 15.0 45.1





#94

Hexachlorobutadiene

Concen: 1.213 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Instrument :

MSVOA_U

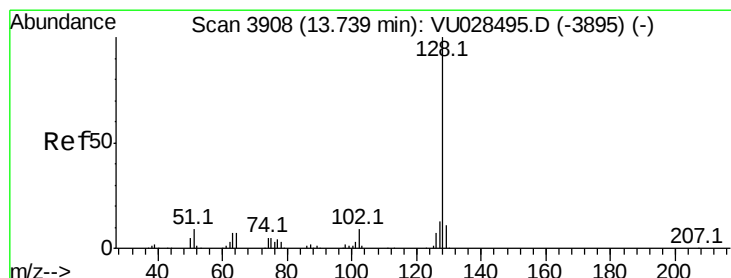
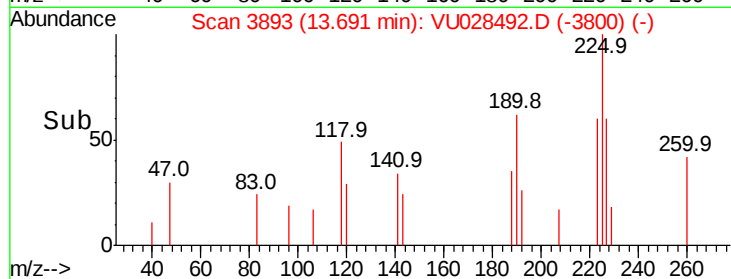
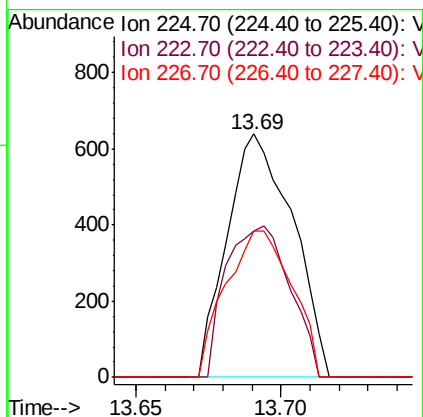
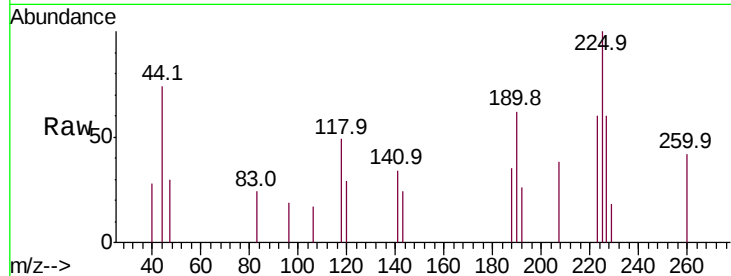
ClientSampleId :

VSTDIC001

Tot Ion:	225	Resp:	1003
Ion Ratio	Lower	Upper	
225	100		
223	60.6	30.4	91.2
227	60.8	30.7	92.1

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MMDadoda
12/7/2018 10:34:32 AM



#95

Naphthalene

Concen: 1.235 ug/l

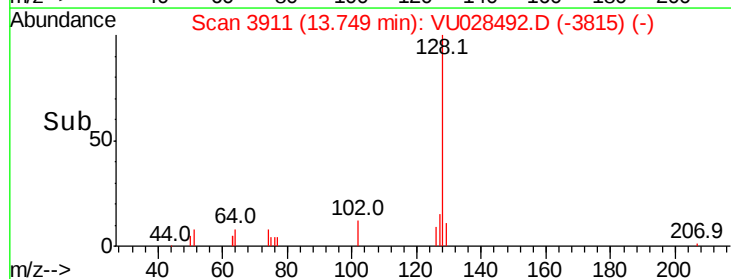
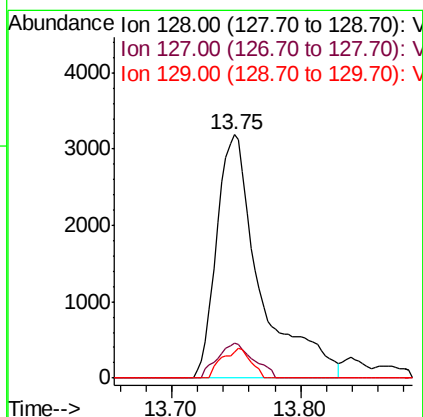
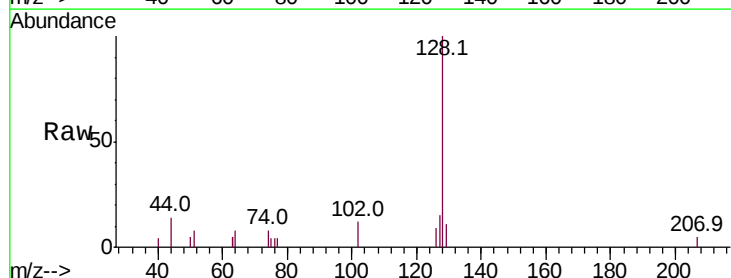
RT: 13.75 min Scan# 3911

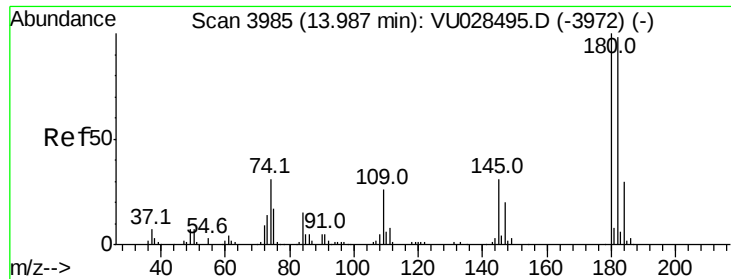
Delta R.T. 0.01 min

Lab File: VU028492.D

Acq: 06 Dec 2018 11:22

Tgt Ion:	128	Resp:	7478
Ion Ratio	Lower	Upper	
128	100		
127	11.8	10.4	15.6
129	7.9	8.6	13.0#





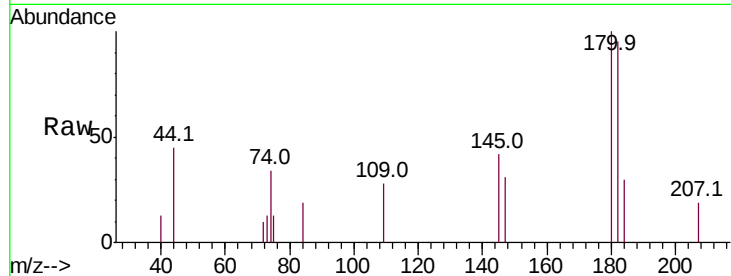
#96
 1,2,3-Trichlorobenzene
 Concen: 1.317 ug/l
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU028492.D
 Acq: 06 Dec 2018 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	83.8	48.2	144.6
145	24.6	15.8	47.3

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 10:34:32 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

