

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121918\
 Data File : VU028807.D
 Acq On : 19 Dec 2018 20:34
 Operator : MD/SY
 Sample : J6474-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 8:58:46 AM

Quant Time: Dec 20 06:46:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	106690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	181283	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	170551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	84181	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	72053	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	
35) Dibromofluoromethane	4.88	113	61802	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
50) Toluene-d8	7.56	98	234400	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
62) 4-Bromofluorobenzene	10.30	95	84855	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	65469	45.782	ug/l	100
3) Chloromethane	1.33	50	107066	40.724	ug/l	100
4) Vinyl Chloride	1.40	62	300258	158.253	ug/l	100
5) Bromomethane	1.61	94	42778	55.971	ug/l	99
6) Chloroethane	1.69	64	51986	48.399	ug/l	97
7) Trichlorofluoromethane	1.88	101	93727	46.953	ug/l	100
8) Diethyl Ether	2.10	74	45749	48.985	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.28	101	58286	48.821	ug/l	96
10) Methyl Iodide	2.41	142	65654	70.086	ug/l	95
11) Tert butyl alcohol	2.83	59	82801	228.261	ug/l	98
12) 1,1-Dichloroethene	2.28	96	63021	53.054	ug/l	88
13) Acrolein	2.19	56	64550	223.218	ug/l	98
14) Allyl chloride	2.59	41	109274	38.886	ug/l #	96
15) Acrylonitrile	2.93	53	243525	241.808	ug/l	98
16) Acetone	2.32	43	177861	167.407	ug/l	93
17) Carbon Disulfide	2.48	76	202668	47.360	ug/l	100
18) Methyl Acetate	2.61	43	125179	45.451	ug/l	95
19) Methyl tert-butyl Ether	3.00	73	214466	47.626	ug/l	99
20) Methylene Chloride	2.70	84	75363	48.118	ug/l	89
21) trans-1,2-Dichloroethene	2.98	96	122638	91.696	ug/l	90
22) Diisopropyl ether	3.57	45	240219	43.958	ug/l	97
23) Vinyl Acetate	3.52	43	937029	207.881	ug/l	96
24) 1,1-Dichloroethane	3.44	63	135484	47.363	ug/l	99
25) 2-Butanone	4.26	43	301344	207.546	ug/l	93
26) 2,2-Dichloropropane	4.22	77	95086	41.951	ug/l #	27
27) cis-1,2-Dichloroethene	4.22	96	938596	620.033	ug/l	81
28) Bromochloromethane	4.55	49	57512	44.226	ug/l	87
29) Tetrahydrofuran	4.64	42	208212	223.285	ug/l	91
30) Chloroform	4.67	83	122775	49.245	ug/l	97
31) Cyclohexane	4.99	56	125448	44.816	ug/l	93
32) 1,1,1-Trichloroethane	4.91	97	97809	47.236	ug/l	97
36) 1,1-Dichloropropene	5.13	75	96918	48.856	ug/l	97
37) Ethyl Acetate	4.38	43	111424	43.450	ug/l #	78
38) Carbon Tetrachloride	5.13	117	78138	48.870	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	112609	46.530	ug/l	93
40) Benzene	5.39	78	304186	52.063	ug/l	98
41) Methacrylonitrile	4.54	41	64353	45.823	ug/l	94
42) 1,2-Dichloroethane	5.40	62	96012	46.947	ug/l	97
43) Isopropyl Acetate	5.55	43	177021	43.643	ug/l #	95
44) Trichloroethene	6.19	130	1478976	1138.469	ug/l	90
45) 1,2-Dichloropropane	6.43	63	84017	51.137	ug/l	100
46) Dibromomethane	6.56	93	50583	51.889	ug/l	94
47) Bromodichloromethane	6.76	83	94481	49.806	ug/l	99
48) Methyl methacrylate	6.62	41	90427	44.830	ug/l	90
49) 1,4-Dioxane	6.61	88	32570	1022.616	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	582972	227.880	ug/l	94
52) Toluene	7.64	92	187161	54.431	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	109693	48.553	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	118028	48.152	ug/l	91
55) 1,1,2-Trichloroethane	8.06	97	73206	53.859	ug/l	98
56) Ethyl methacrylate	8.02	69	117202	50.354	ug/l	89
57) 1,3-Dichloropropane	8.24	76	129317	51.253	ug/l	100
59) 2-Hexanone	8.36	43	444659	219.294	ug/l	92
60) Dibromochloromethane	8.48	129	69794	52.447	ug/l	100
61) 1,2-Dibromoethane	8.58	107	78686	55.205	ug/l	98
64) Tetrachloroethene	8.22	164	70475	61.950	ug/l	98
65) Chlorobenzene	9.12	112	192296	52.912	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	64223	55.339	ug/l	98
67) Ethyl Benzene	9.25	91	334871	50.123	ug/l	98
68) m/p-Xylenes	9.37	106	259170	106.609	ug/l	96
69) o-Xylene	9.78	106	125928	53.304	ug/l	94
70) Styrene	9.79	104	207337	53.031	ug/l	97
71) Bromoform	9.96	173	56874	57.608	ug/l #	98
73) Isopropylbenzene	10.16	105	322361	49.905	ug/l	98
74) N-amyl acetate	10.01	43	153196	41.115	ug/l	92
75) 1,1,2,2-Tetrachloroethane	10.46	83	131254	52.896	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	105257m	48.966	ug/l	
77) Bromobenzene	10.45	156	82893	54.870	ug/l	90
78) n-propylbenzene	10.58	91	390056	48.596	ug/l	98
79) 2-Chlorotoluene	10.66	91	232646	50.318	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	273124	51.080	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	44622m	51.028	ug/l	
82) 4-Chlorotoluene	10.77	91	262384	47.890	ug/l	96
83) tert-Butylbenzene	11.10	119	264010	51.227	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	277531	50.364	ug/l	96
85) sec-Butylbenzene	11.32	105	328190	49.569	ug/l	98
86) p-Isopropyltoluene	11.47	119	276416	49.147	ug/l	97
87) 1,3-Dichlorobenzene	11.41	146	146454	51.340	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	147254	49.893	ug/l	98
89) n-Butylbenzene	11.89	91	254791	44.763	ug/l	99
90) Hexachloroethane	12.14	117	44241	52.043	ug/l	93
91) 1,2-Dichlorobenzene	11.88	146	148898	52.182	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26707	49.714	ug/l	85
93) 1,2,4-Trichlorobenzene	13.50	180	97578	49.769	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	42405	45.368	ug/l	96
95) Naphthalene	13.74	128	343431	50.157	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	102369	52.450	ug/l	99

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

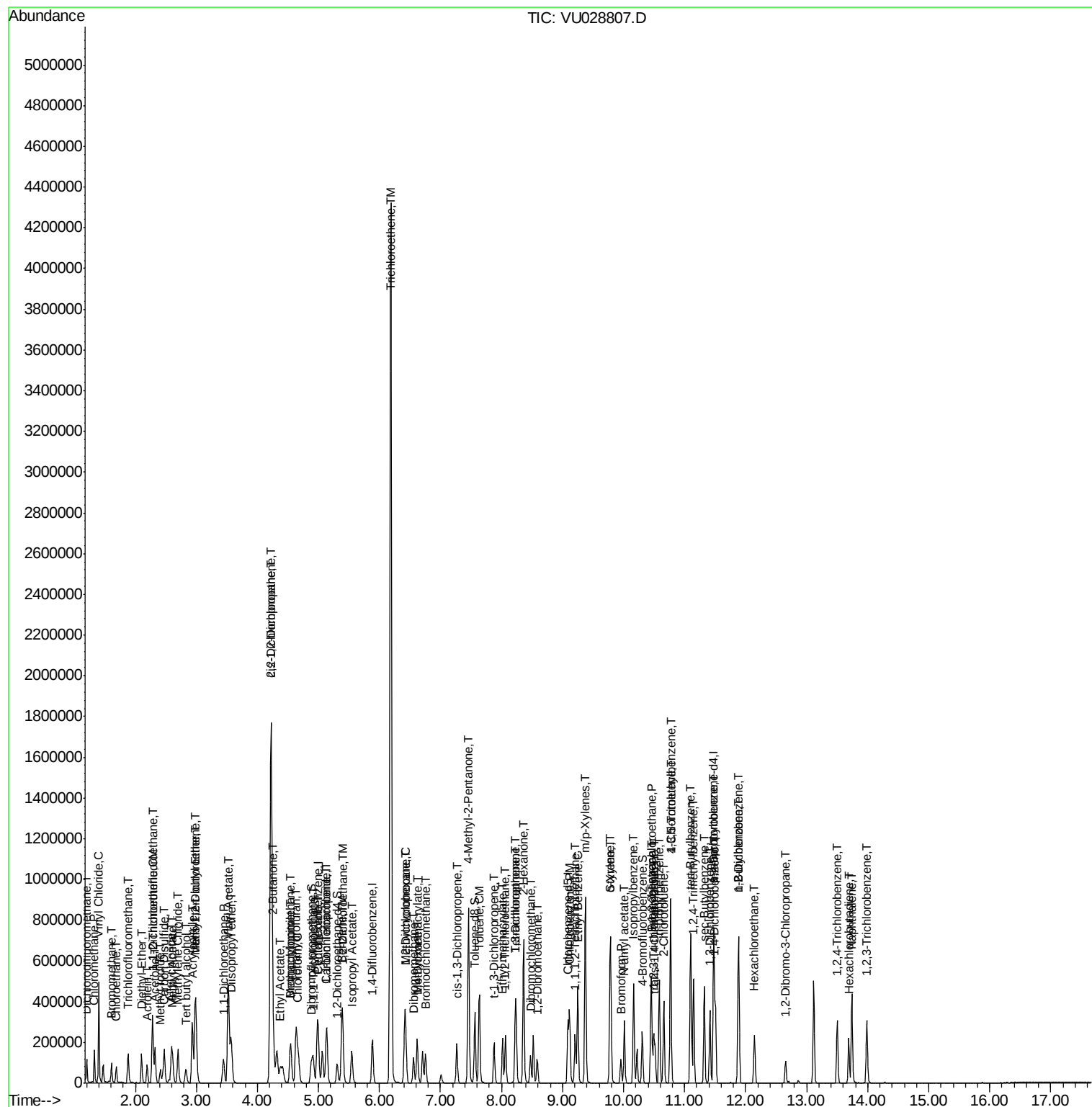
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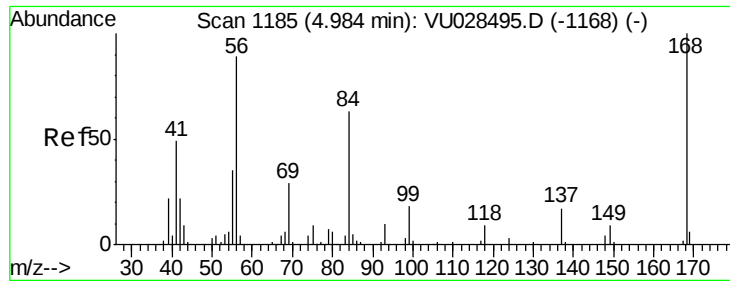
Instrument :
MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

Tot Ion:168 Resp: 106690

Ion Ratio Lower Upper

168 100

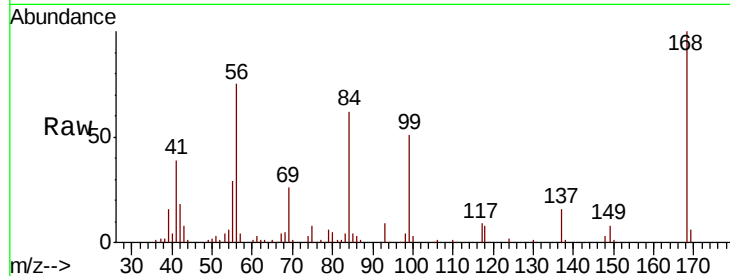
99 50.8 46.6 69.8

Manual Integrations

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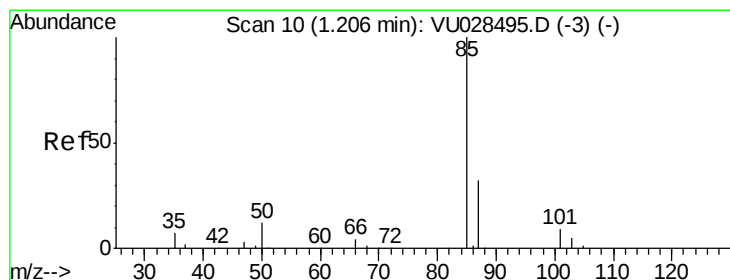
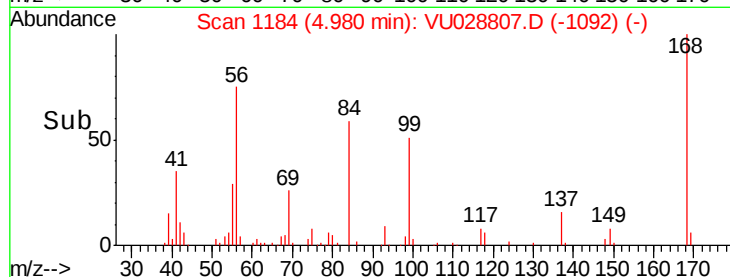
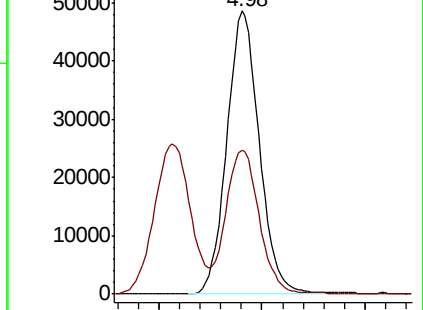
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Abundance Ion 167.90 (167.60 to 168.60): VU028807.D (-1092) (-)

Ion 98.90 (98.60 to 99.60): VU028807.D (-1092) (-)



#2

Dichlorodifluoromethane

Concen: 45.782 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028807.D

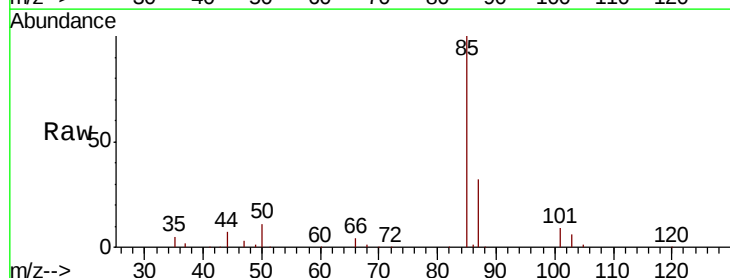
Acq: 19 Dec 2018 20:34

Tgt Ion: 85 Resp: 65469

Ion Ratio Lower Upper

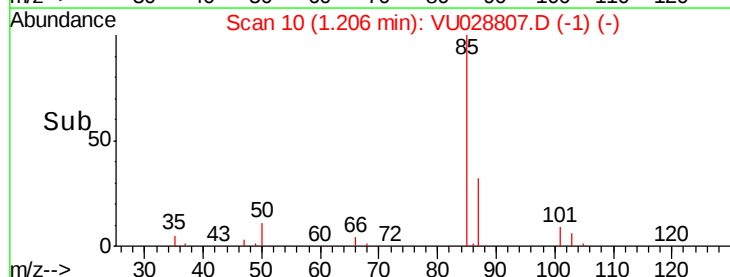
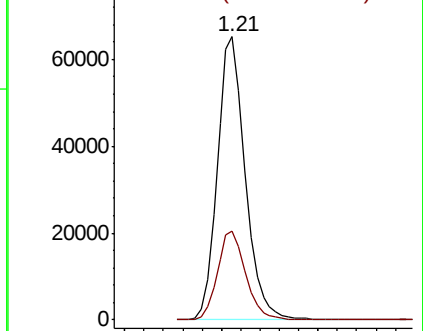
85 100

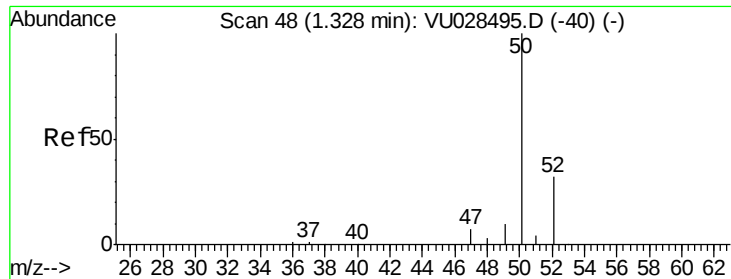
87 31.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028807.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU028807.D (-1) (-)





#3

Chloromethane

Concen: 40.724 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

Tot Ion: 50 Resp: 107066

Ion Ratio Lower Upper

50 100

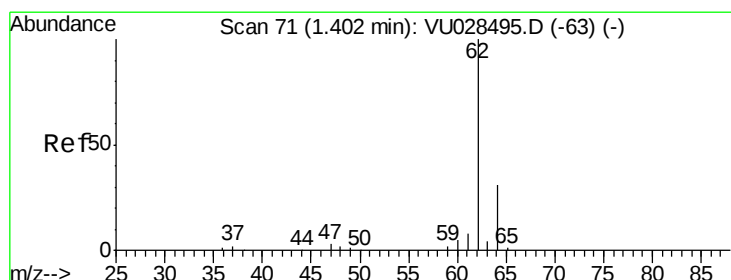
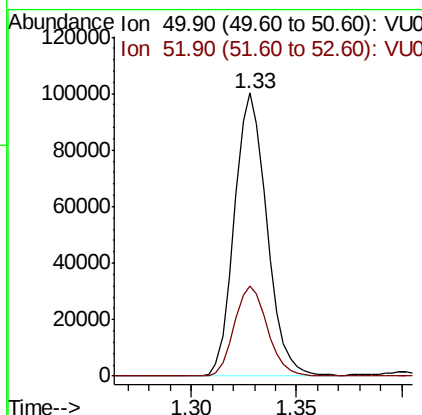
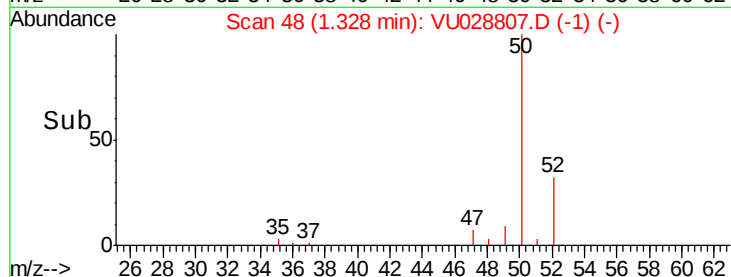
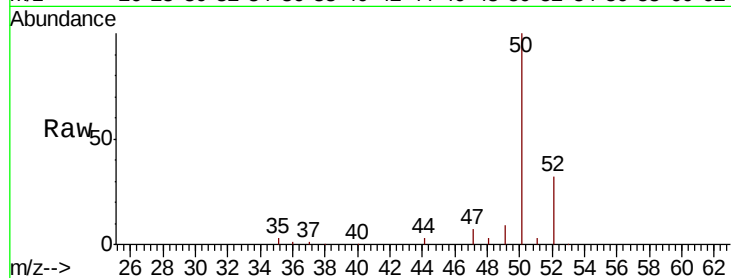
52 32.0 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 158.253 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028807.D

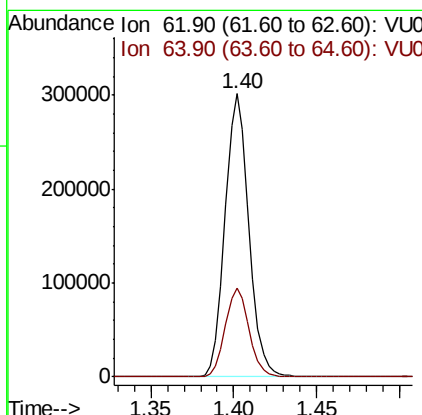
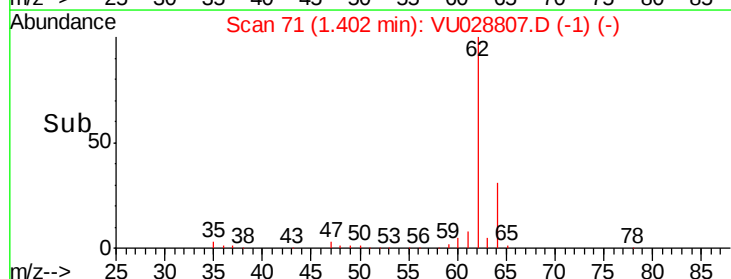
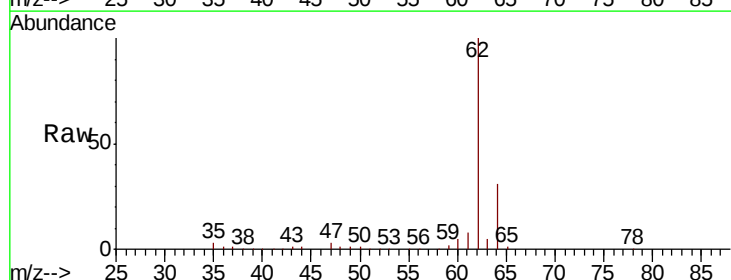
Acq: 19 Dec 2018 20:34

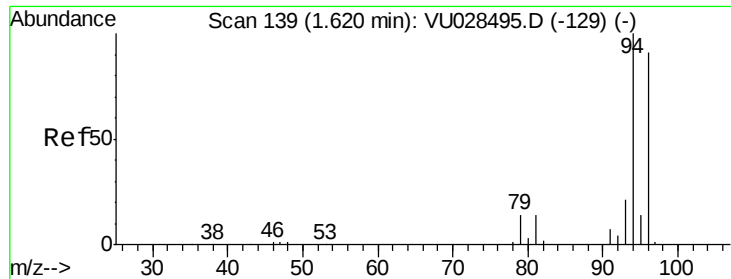
Tgt Ion: 62 Resp: 300258

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7





#5

Bromomethane

Concen: 55.971 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 42778

Ion Ratio Lower Upper

94 100

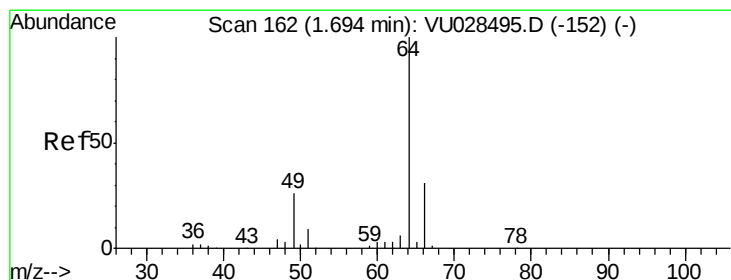
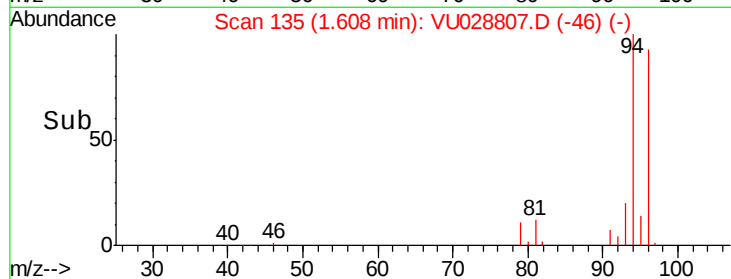
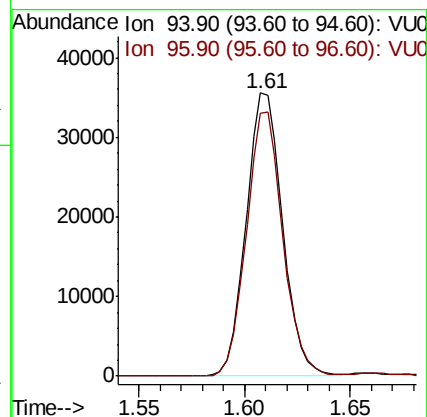
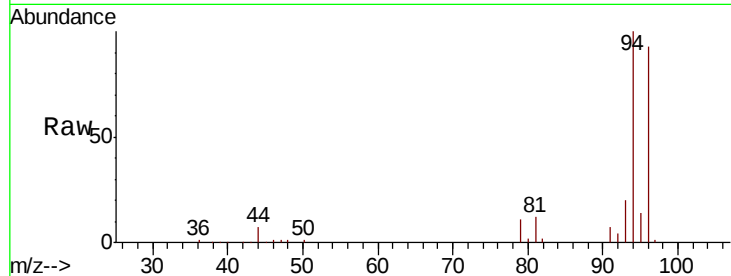
96 92.7 73.2 109.8

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#6

Chloroethane

Concen: 48.399 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU028807.D

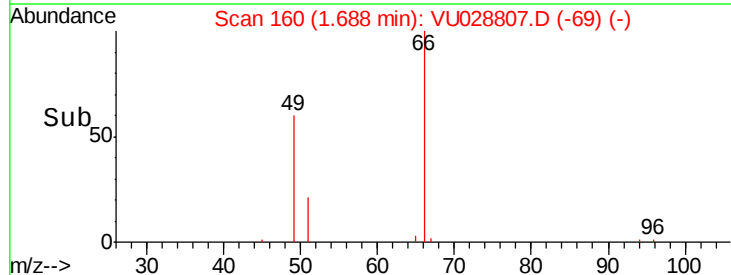
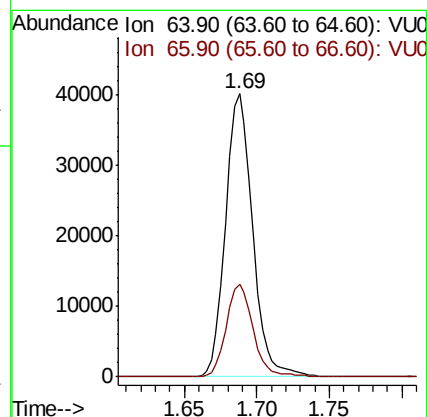
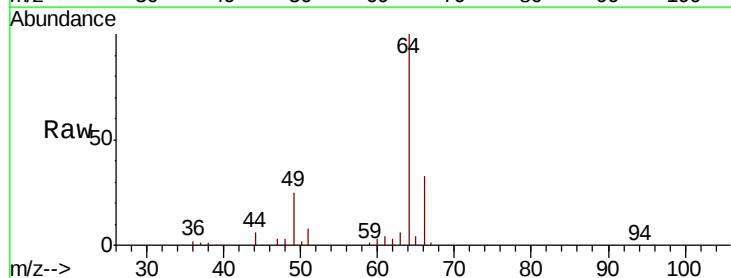
Acq: 19 Dec 2018 20:34

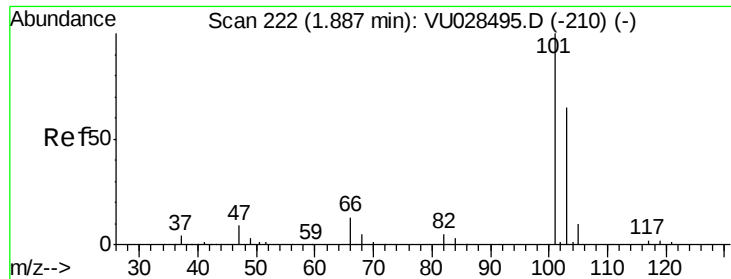
Tgt Ion: 64 Resp: 51986

Ion Ratio Lower Upper

64 100

66 32.8 25.0 37.6





#7

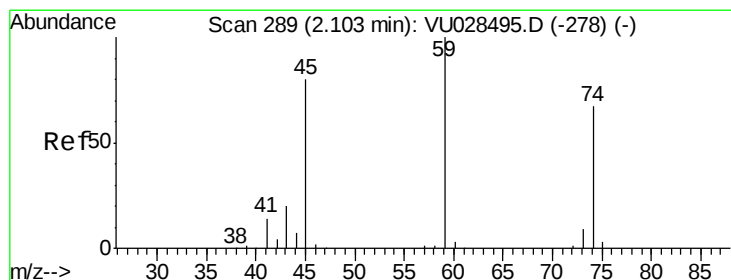
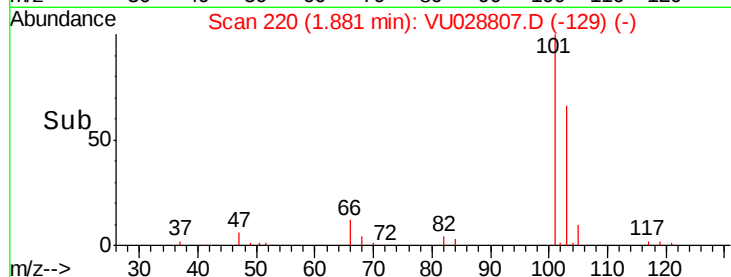
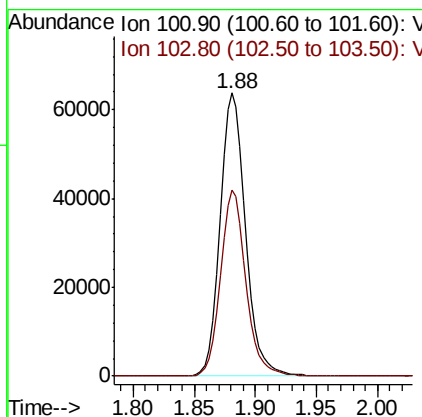
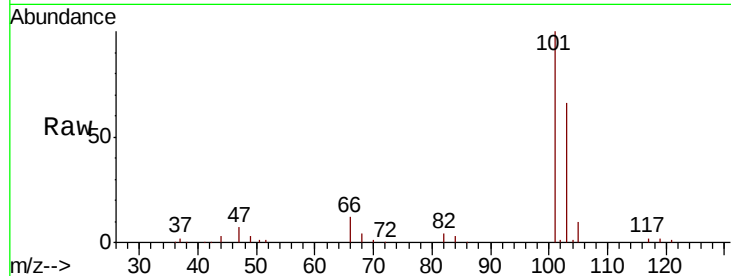
Trichlorofluoromethane
 Concen: 46.953 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

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Tot Ion	101	Resp	93727
Ion Ratio	Lower	Upper	
101	100		
103	65.7	52.3	78.5

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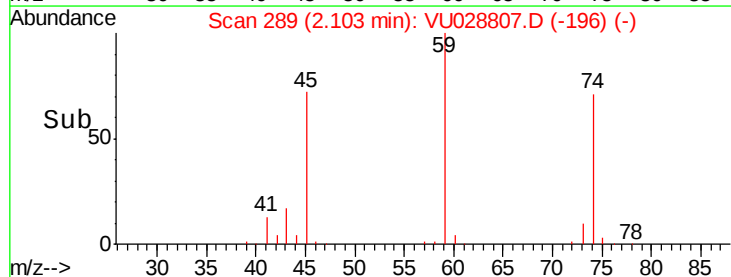
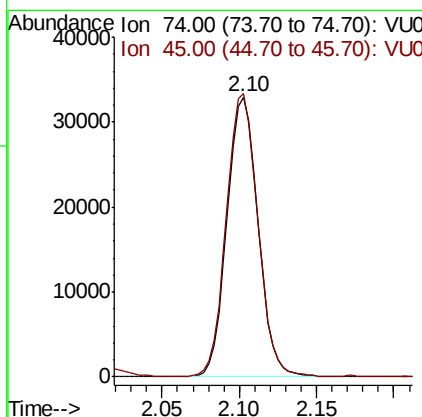
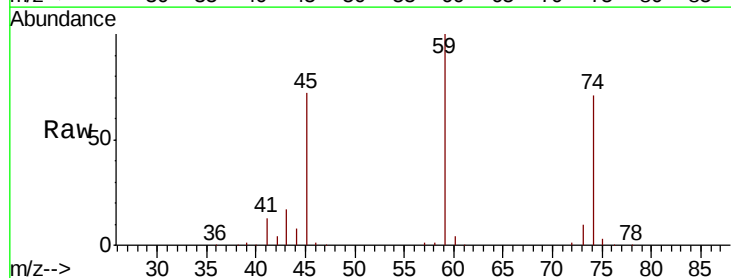
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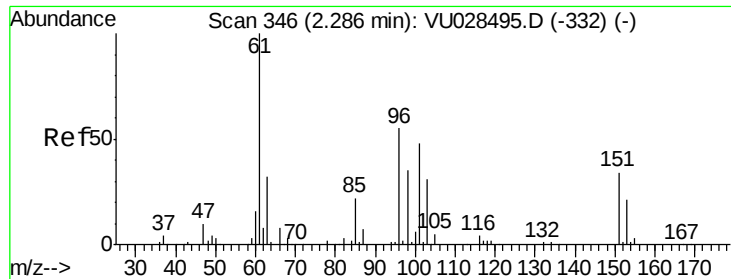


#8

Diethyl Ether
 Concen: 48.985 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Tgt Ion	74	Resp	45749
Ion Ratio	Lower	Upper	
74	100		
45	102.9	59.7	179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.821 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

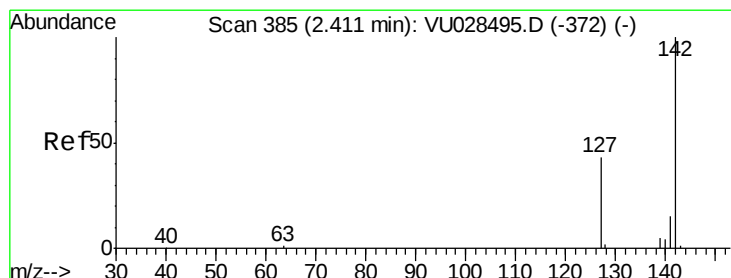
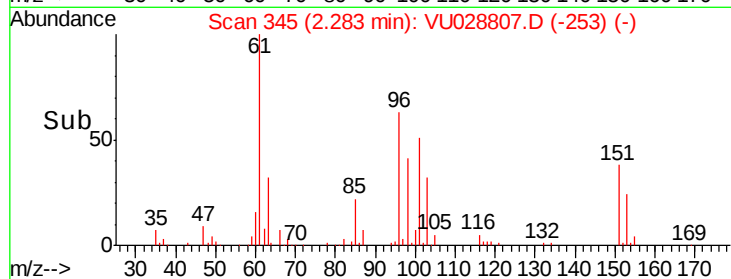
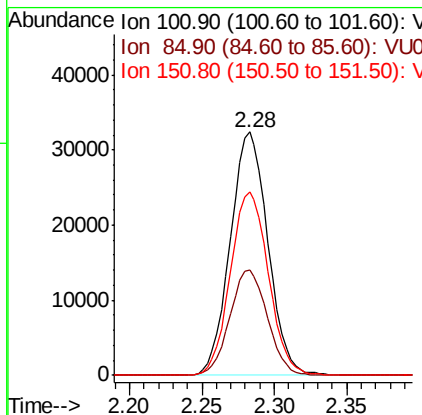
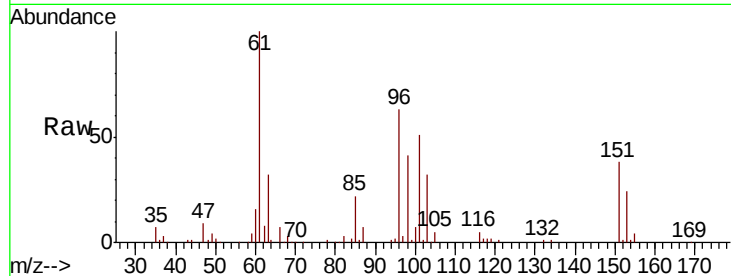
ClientSampleId :

S49-0492MSD

Tot Ion:	101	Resp:	58286
Ion Ratio	Lower	Upper	
101	100		
85	43.1	36.4	54.6
151	76.2	58.2	87.2

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#10

Methyl Iodide

Concen: 70.086 ug/l

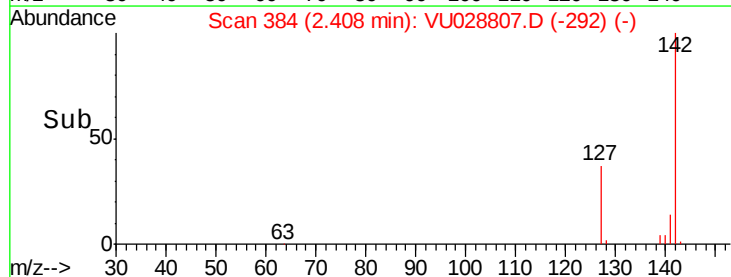
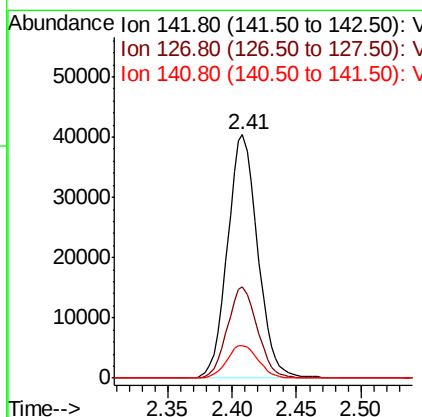
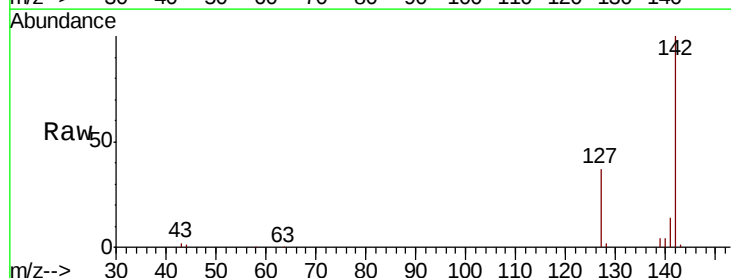
RT: 2.41 min Scan# 384

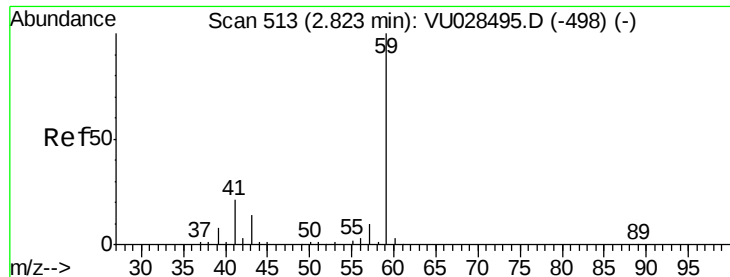
Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Tgt Ion:	142	Resp:	65654
Ion Ratio	Lower	Upper	
142	100		
127	37.4	33.5	50.3
141	13.9	11.2	16.8





#11

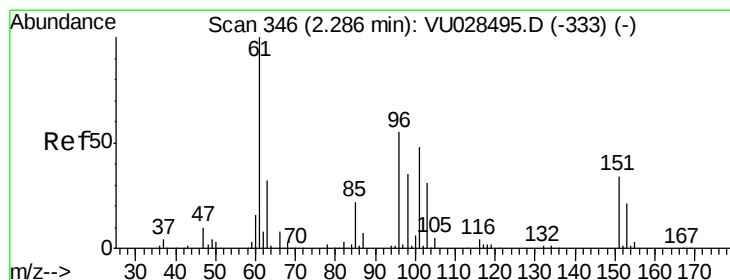
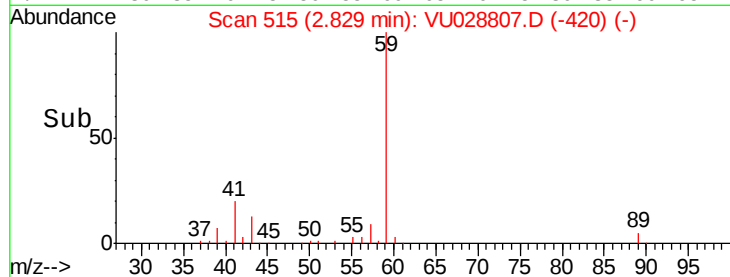
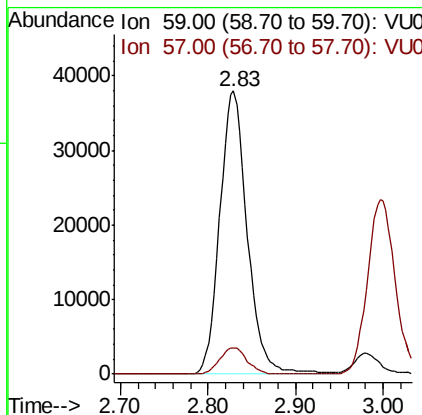
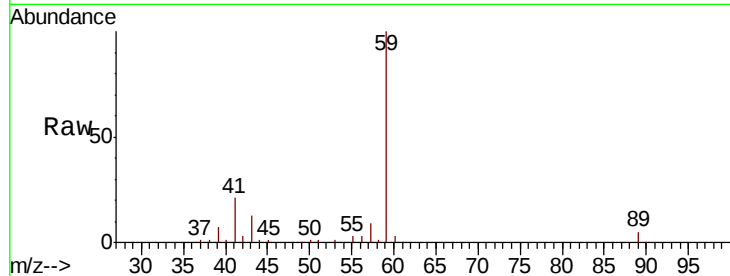
Tert butyl alcohol
 Concen: 228.261 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.0	12.0

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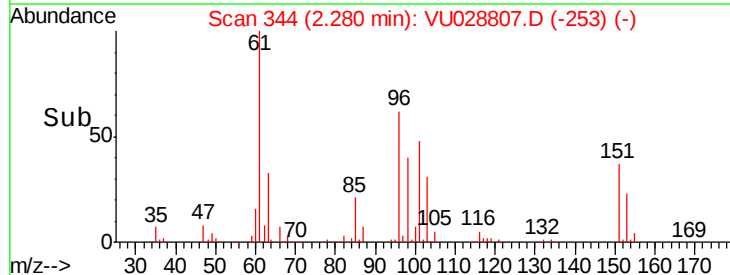
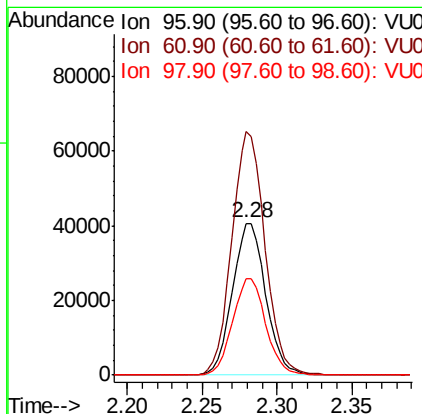
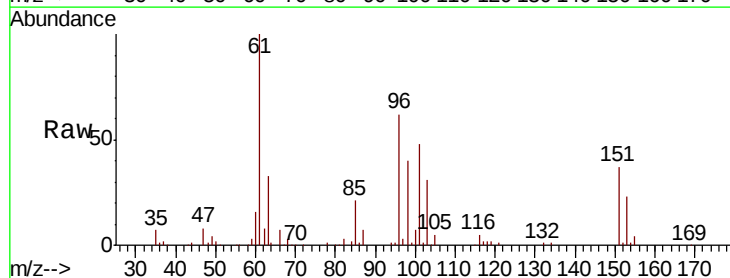
MMDadoda
 12/20/2018 8:58:46 AM

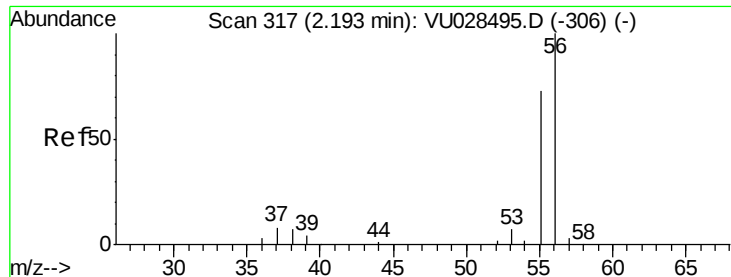


#12

1,1-Dichloroethene
 Concen: 53.054 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.3	146.4	219.6
98	63.5	51.8	77.8





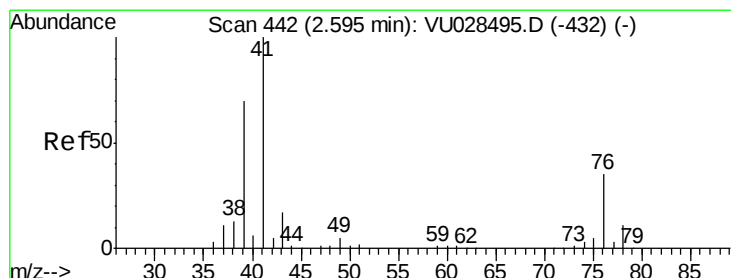
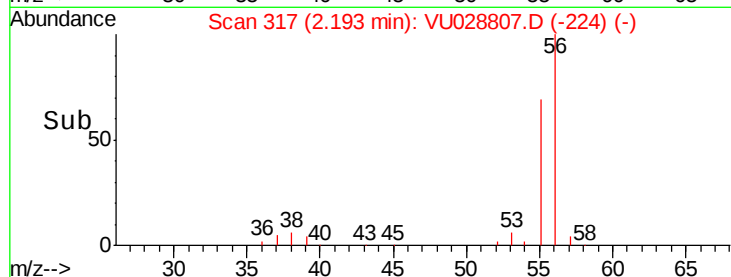
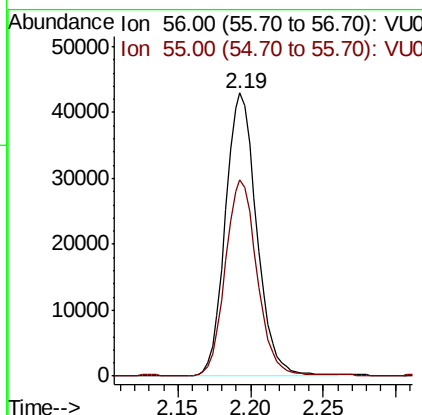
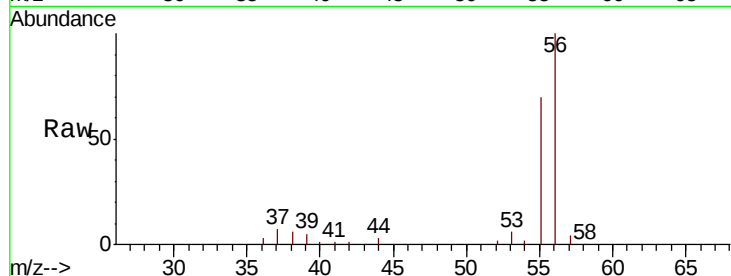
#13
Acrolein
Concen: 223.218 ug/l
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion	56	Resp	64550
Ion Ratio	100	Lower	Upper
55	70.6	57.5	86.3

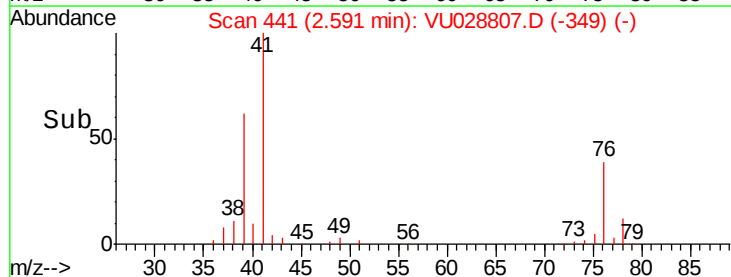
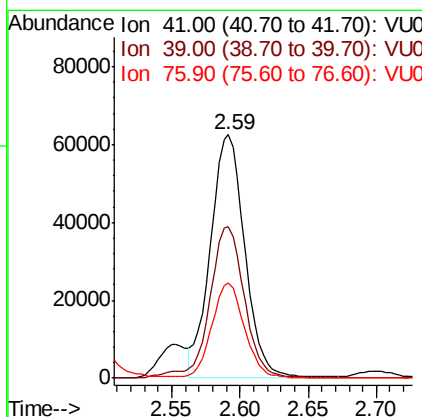
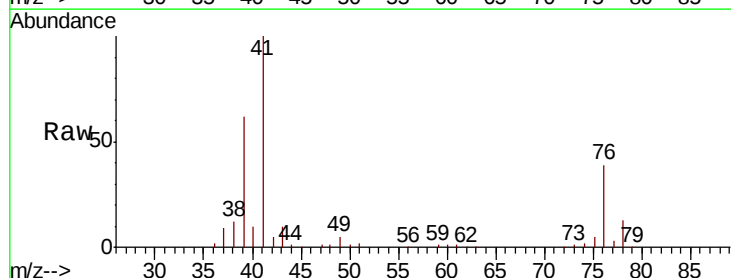
Manual Integrations
APPROVED

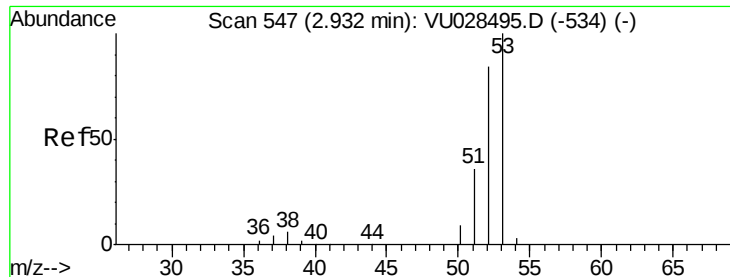
MMDadoda
12/20/2018 8:58:46 AM



#14
Allyl chloride
Concen: 38.886 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion	41	Resp	109274
Ion Ratio	100	Lower	Upper
39	63.4	50.8	76.2
76	37.5	24.8	37.2#





#15

Acrylonitrile

Concen: 241.808 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

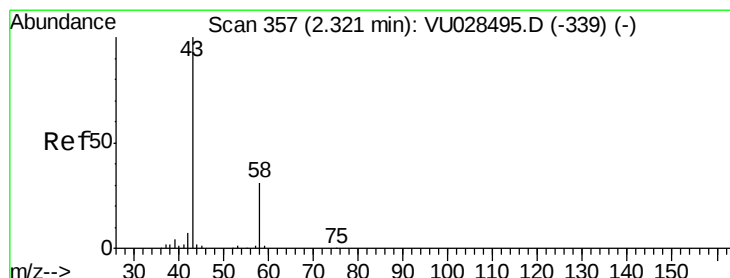
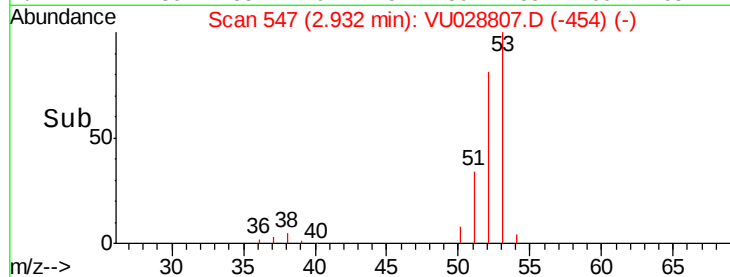
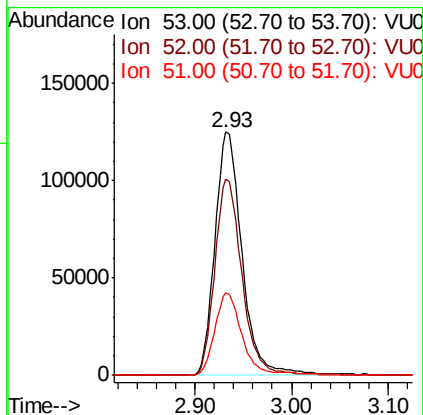
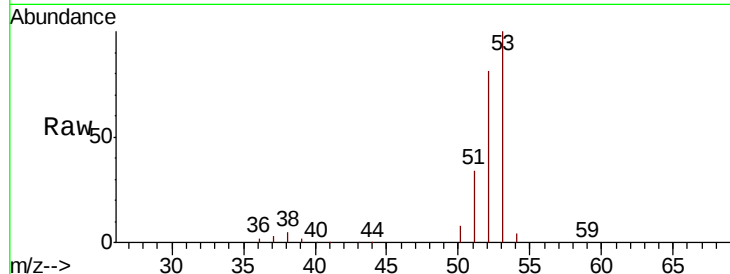
ClientSampleId :

S49-0492MSD

Tot Ion:	53	Resp:	243525
Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.1	99.1
51	34.5	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 167.407 ug/l

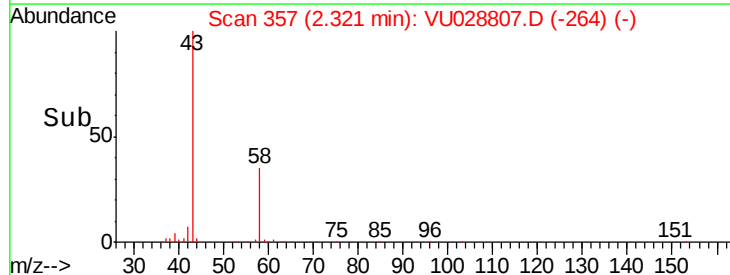
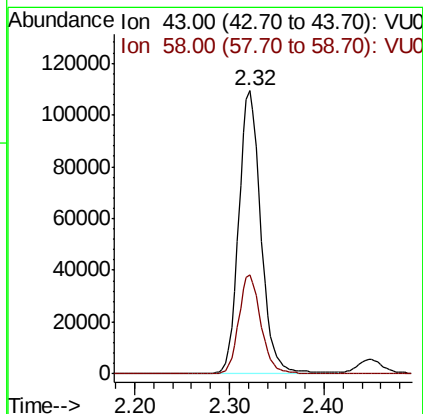
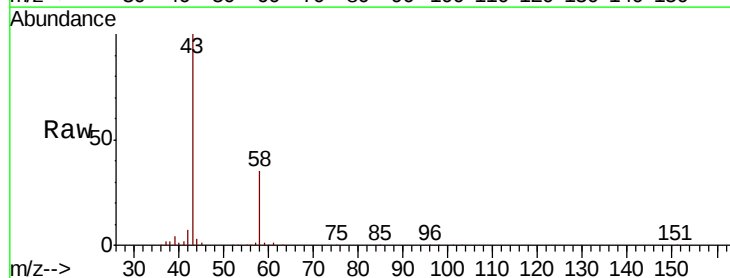
RT: 2.32 min Scan# 357

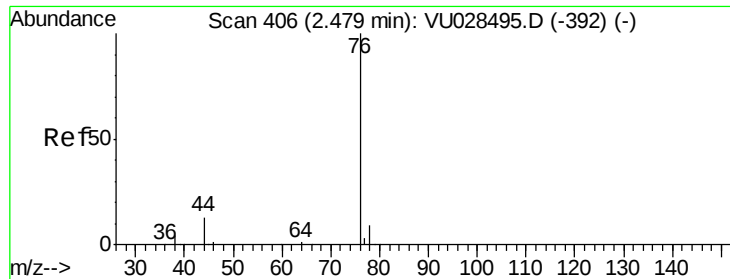
Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Tgt Ion:	43	Resp:	177861
Ion	Ratio	Lower	Upper
43	100		
58	34.9	24.6	37.0





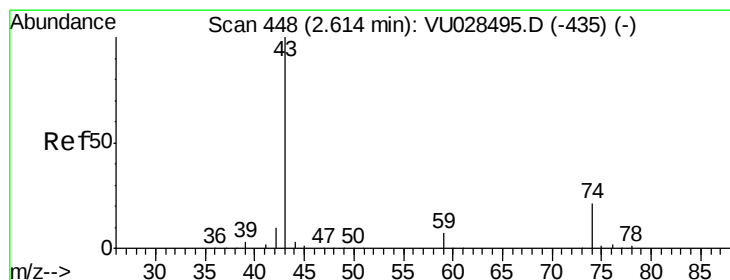
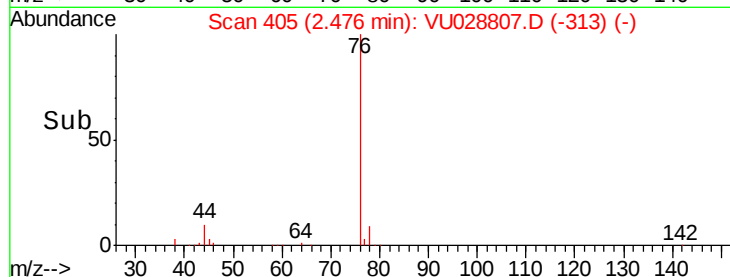
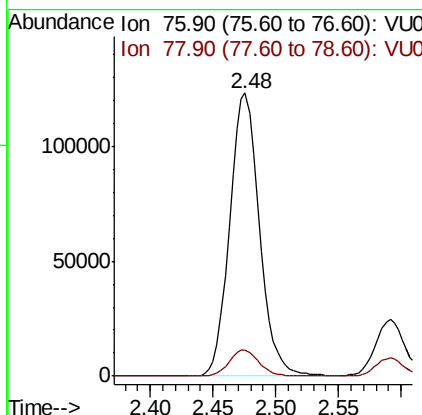
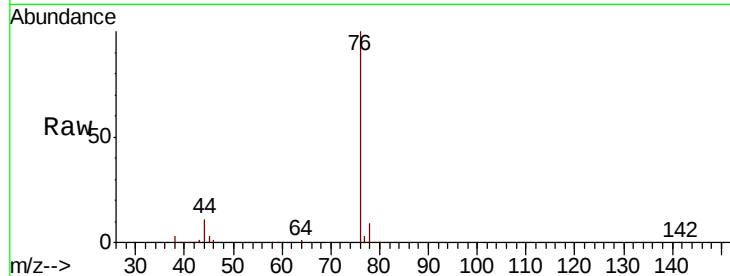
#17
Carbon Disulfide
Concen: 47.360 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

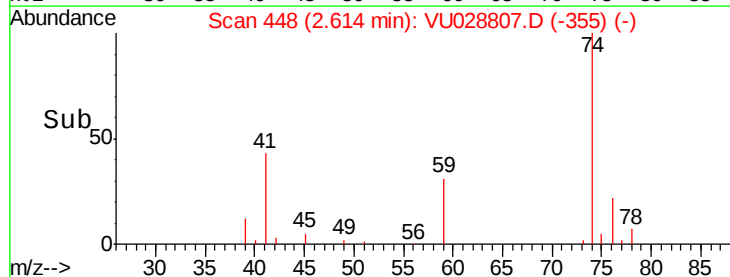
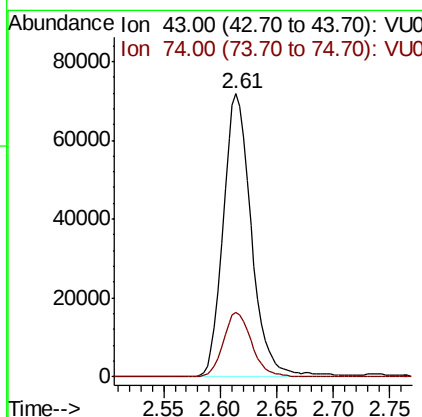
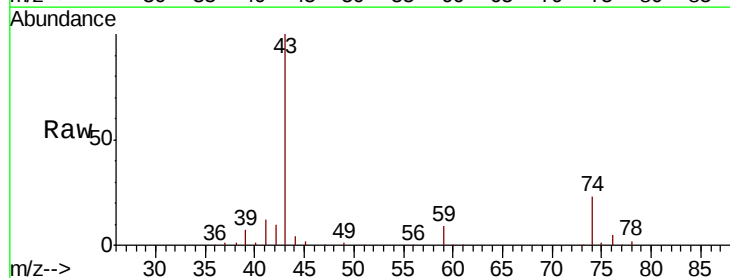
Manual Integrations
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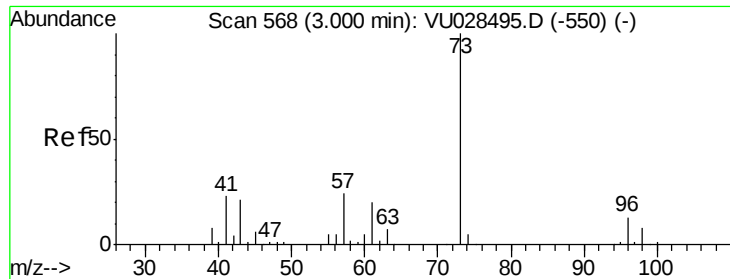
MMDadoda
12/20/2018 8:58:46 AM



#18
Methyl Acetate
Concen: 45.451 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	16.4	24.6





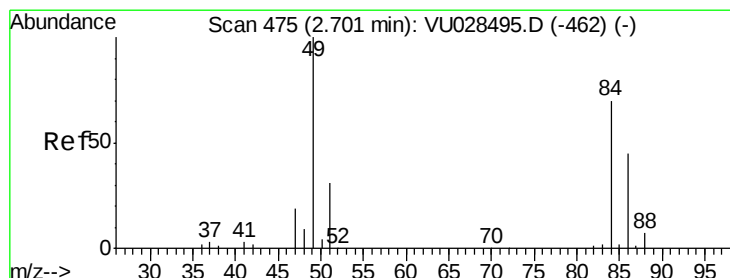
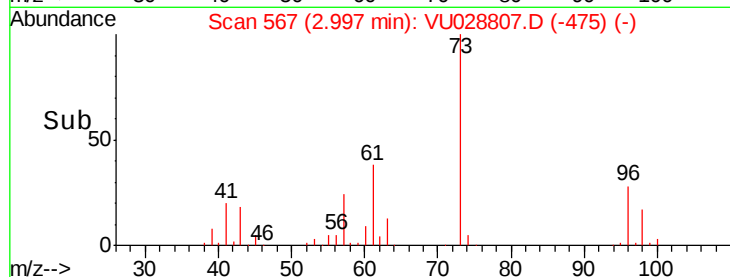
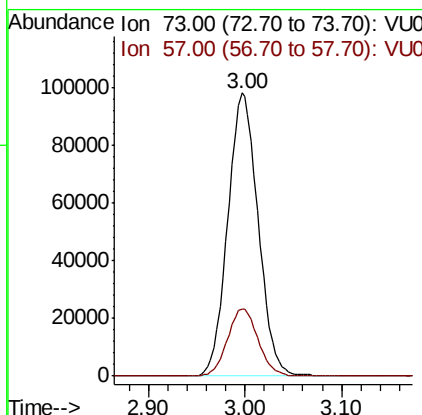
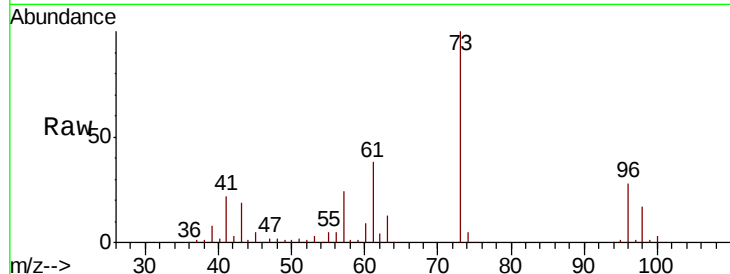
#19
Methvl tert-butvl Ether
Concen: 47.626 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion: 73 Resp: 214466
Ion Ratio Lower Upper
73 100
57 23.9 19.4 29.2

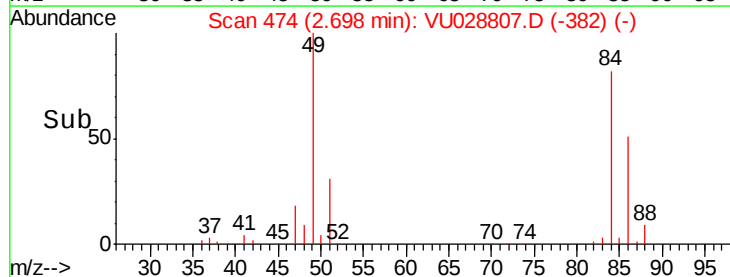
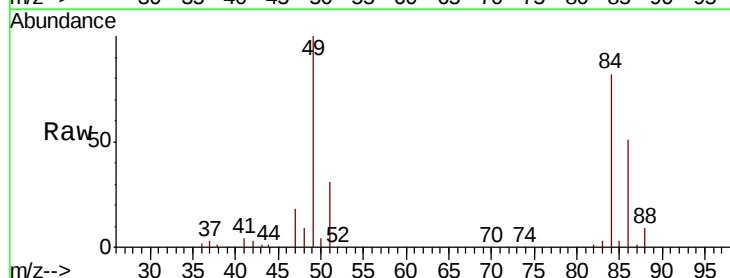
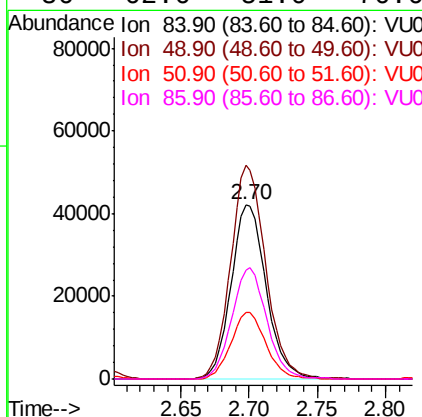
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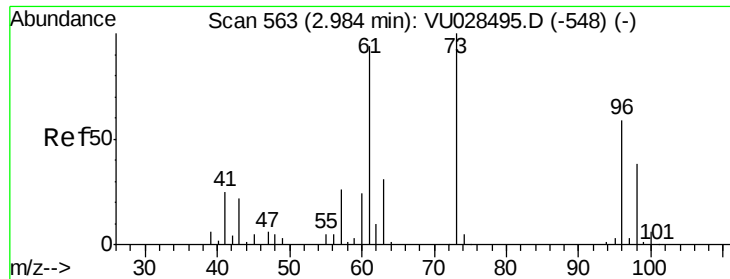
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#20
Methylene Chloride
Concen: 48.118 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion: 84 Resp: 75363
Ion Ratio Lower Upper
84 100
49 122.6 114.0 171.0
51 38.1 35.1 52.7
86 62.6 51.0 76.6





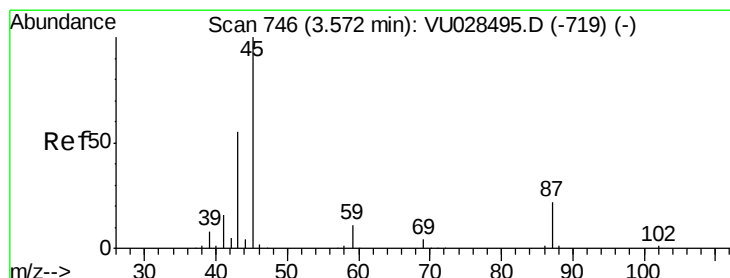
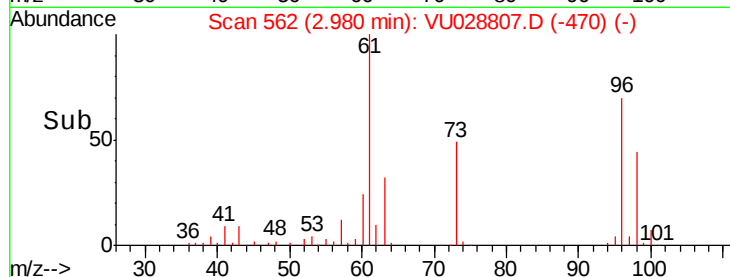
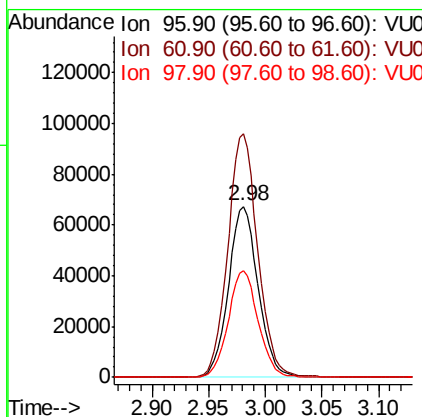
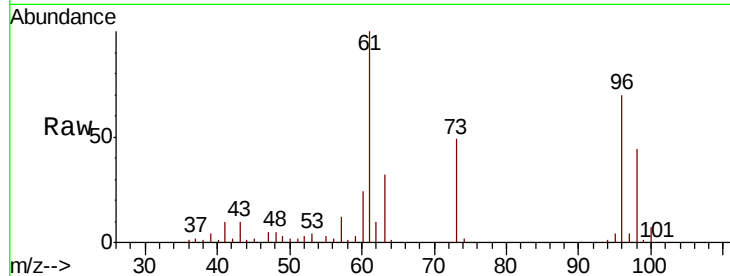
#21
trans-1,2-Dichloroethene
Concen: 91.696 ug/l
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.5	127.0	190.4
98	62.5	51.9	77.9

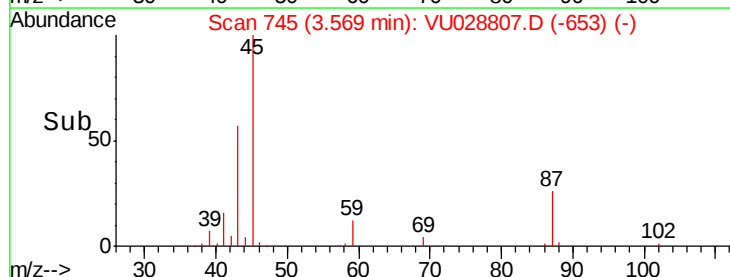
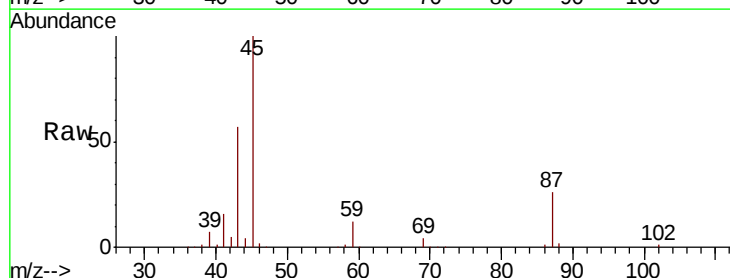
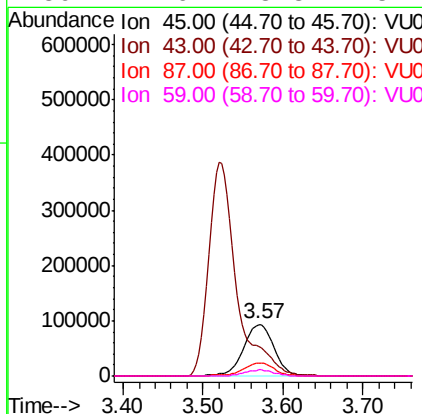
Manual Integrations
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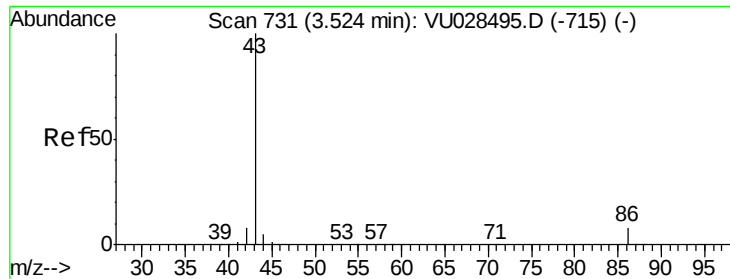
MMDadoda
12/20/2018 8:58:46 AM



#22
Diisopropyl ether
Concen: 43.958 ug/l
RT: 3.57 min Scan# 745
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.8	45.3	67.9
87	25.8	17.6	26.4
59	11.6	8.8	13.2





#23

Vinyl Acetate

Concen: 207.881 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

Tot Ion: 43 Resp: 937029

Ion Ratio Lower Upper

43 100

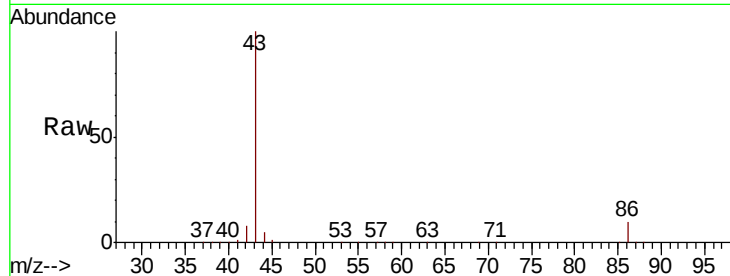
86 10.1 6.8 10.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.52

400000

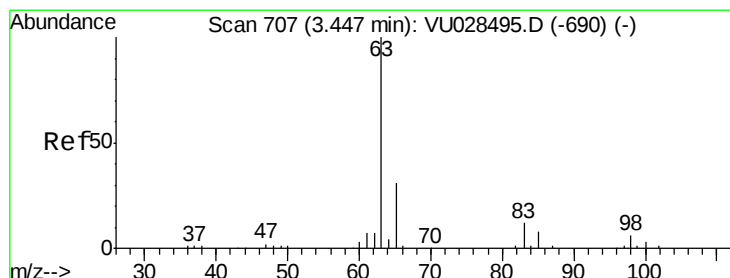
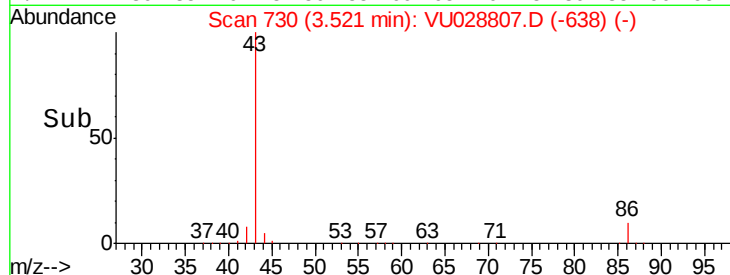
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.363 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

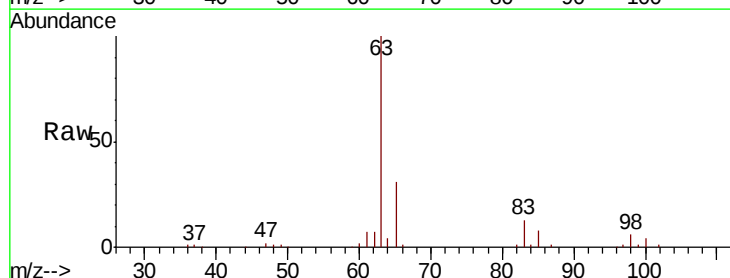
Tgt Ion: 63 Resp: 135484

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.8 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

80000

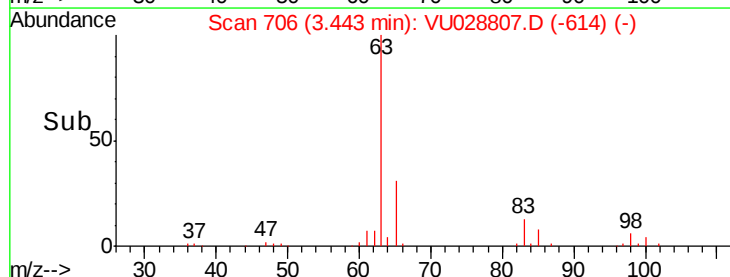
60000

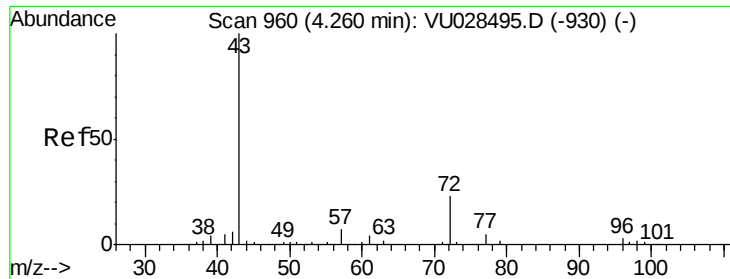
40000

20000

0

Time-->





#25

2-Butanone

Concen: 207.546 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

Tot Ion: 43 Resp: 301344

Ion Ratio Lower Upper

43 100

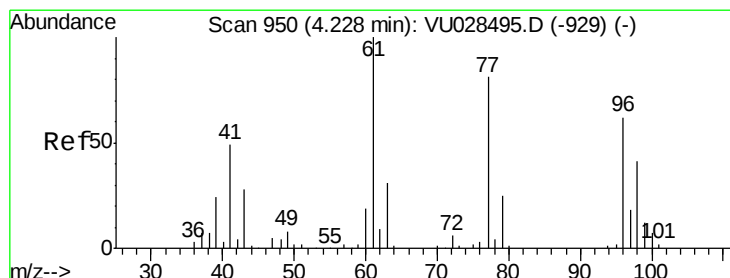
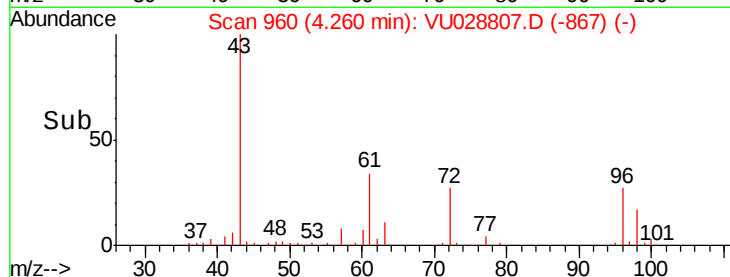
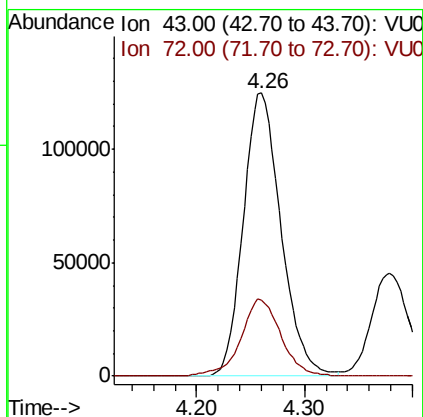
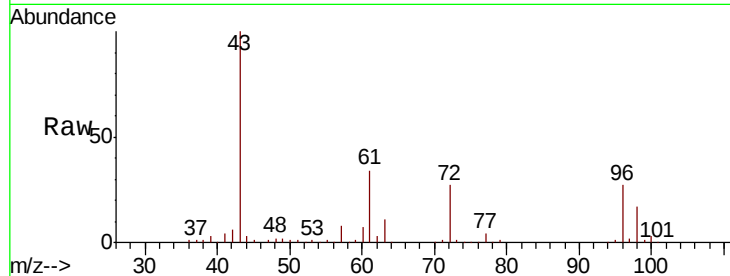
72 26.7 18.6 28.0

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#26

2,2-Dichloropropane

Concen: 41.951 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028807.D

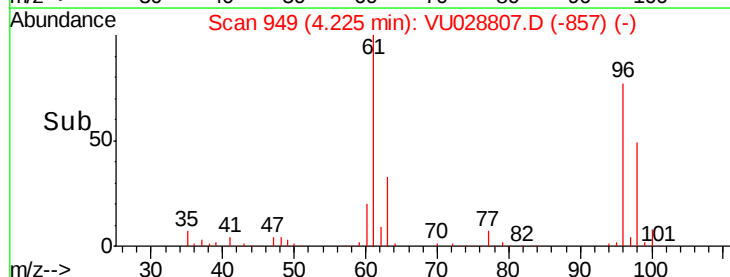
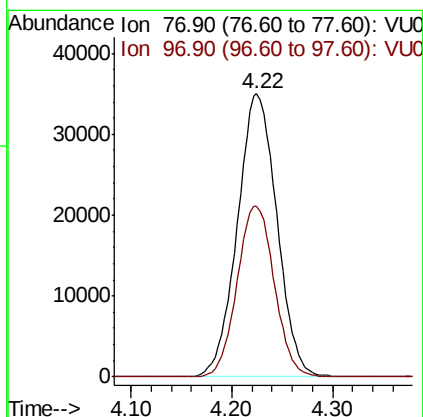
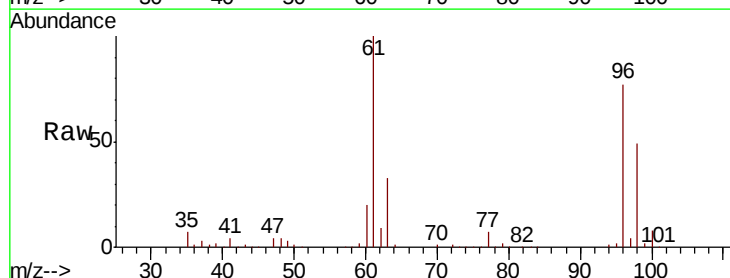
Acq: 19 Dec 2018 20:34

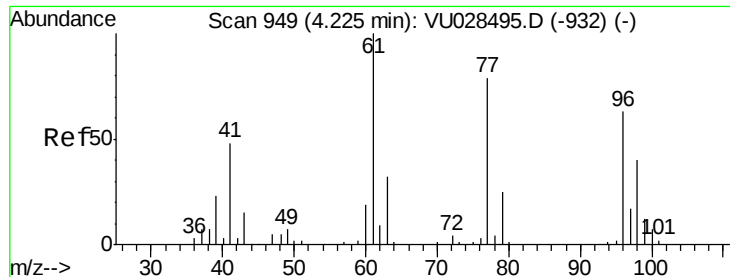
Tgt Ion: 77 Resp: 95086

Ion Ratio Lower Upper

77 100

97 56.9 11.0 33.0#





#27

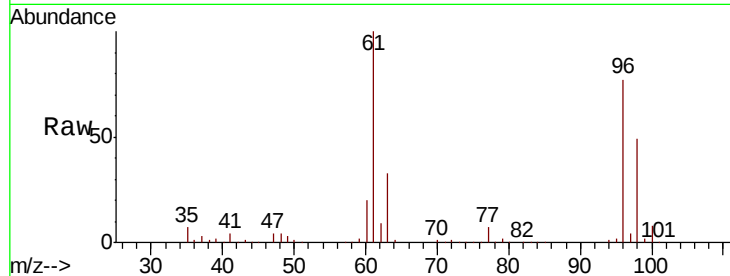
cis-1,2-Dichloroethene
Concen: 620.033 ug/l
RT: 4.22 min Scan# 948
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	938596		
61	131.5	0.0	332.4	
98	63.9	0.0	129.0	

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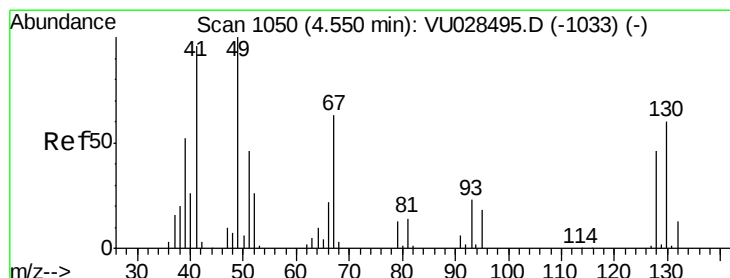
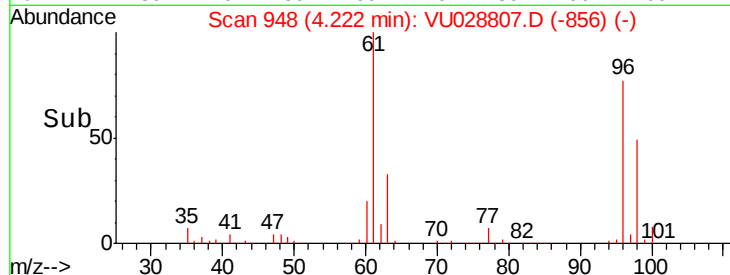
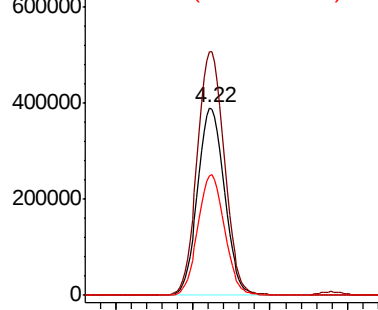


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

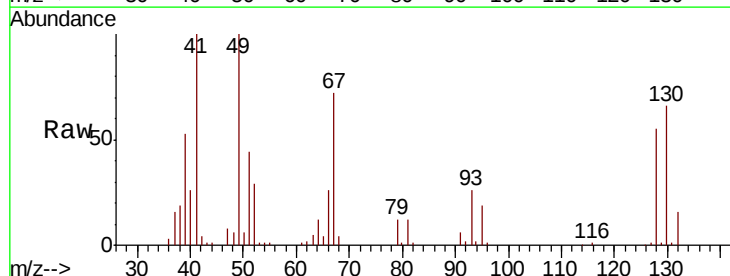
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 44.226 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	57512		
129	1.5	0.0	3.0	
130	70.2	47.8	71.8	

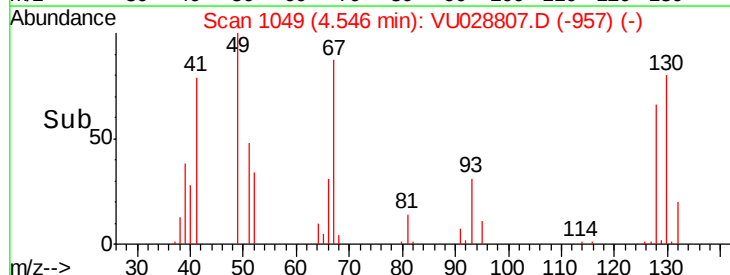
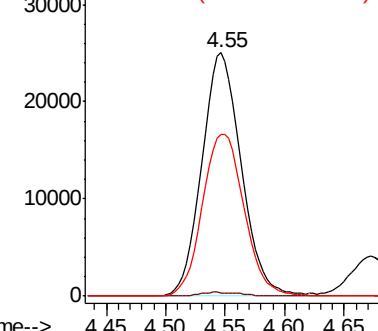


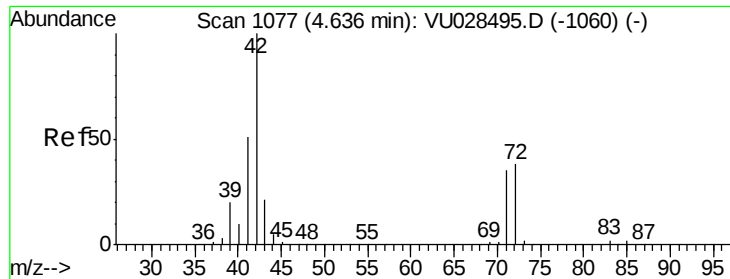
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





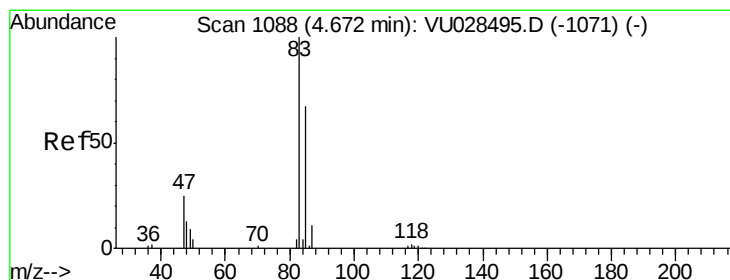
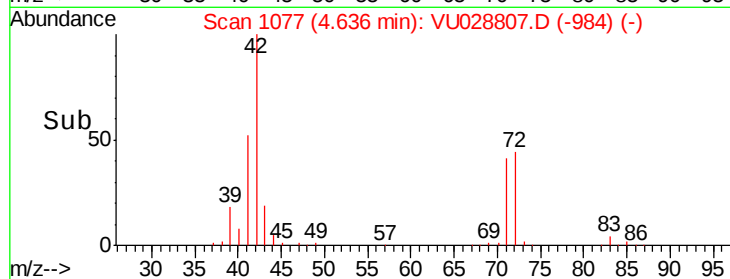
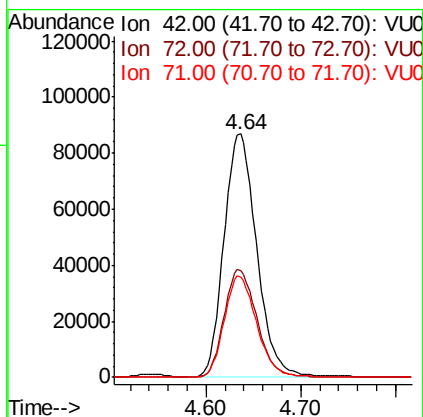
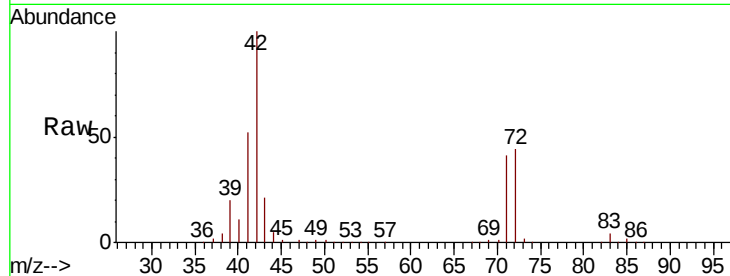
#29
Tetrahydrofuran
Concen: 223.285 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	31.4	47.0
71	41.4	28.6	43.0

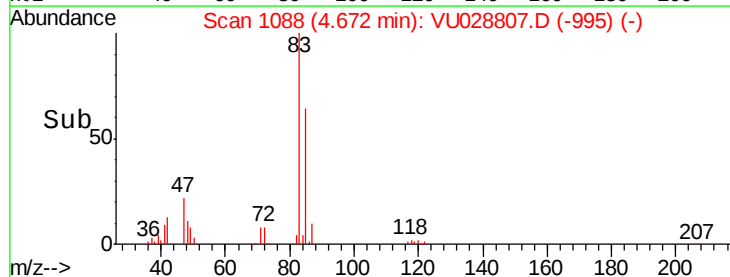
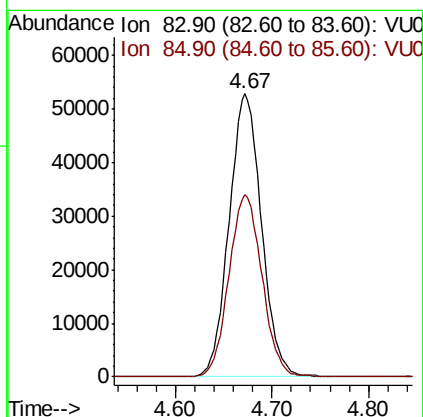
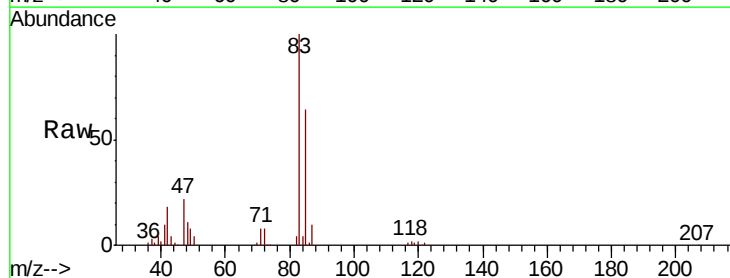
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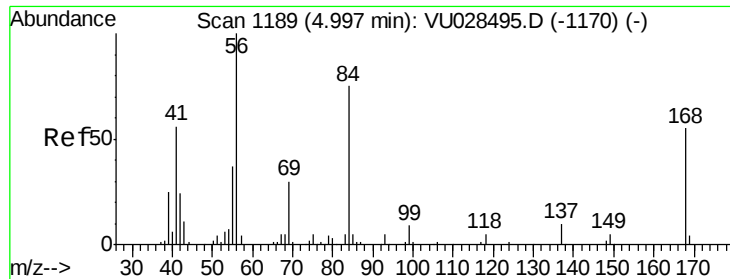
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#30
Chloroform
Concen: 49.245 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.6	80.4





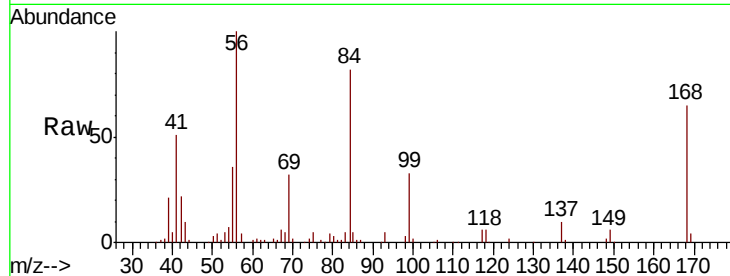
#31
Cyclohexane
Concen: 44.816 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

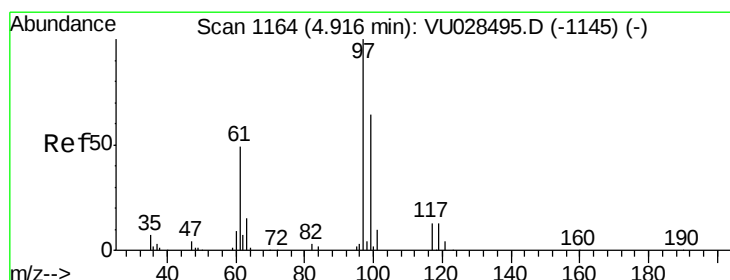
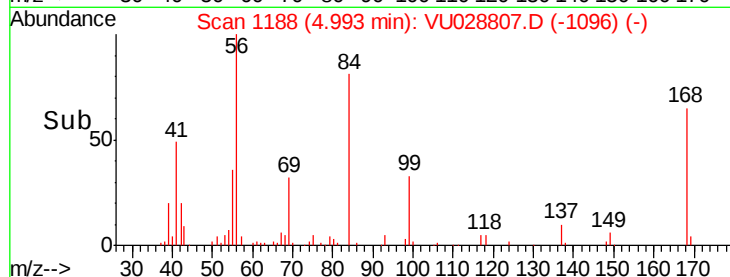
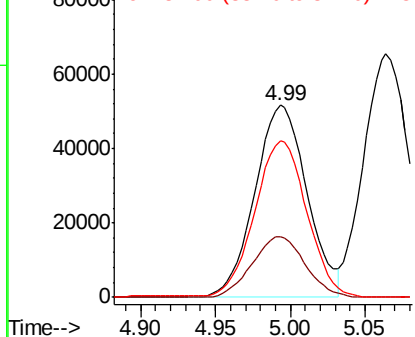
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	24.0	36.0
84	81.2	59.7	89.5

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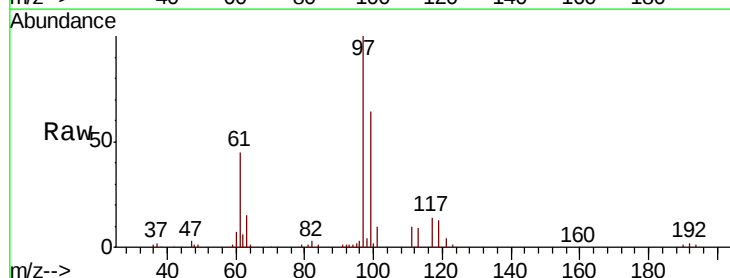


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

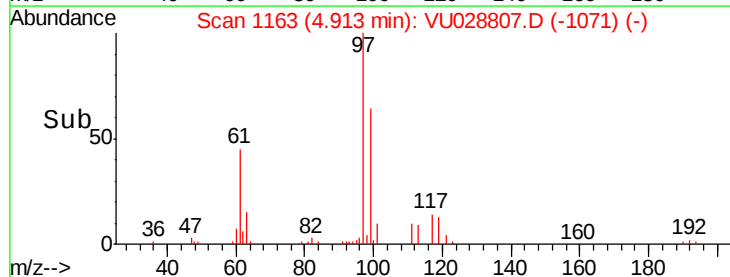
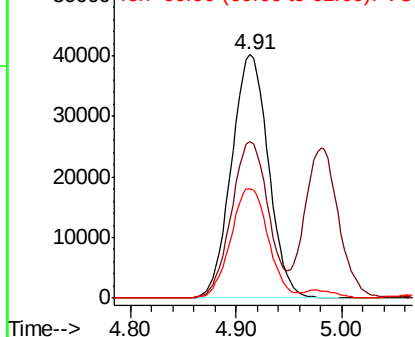


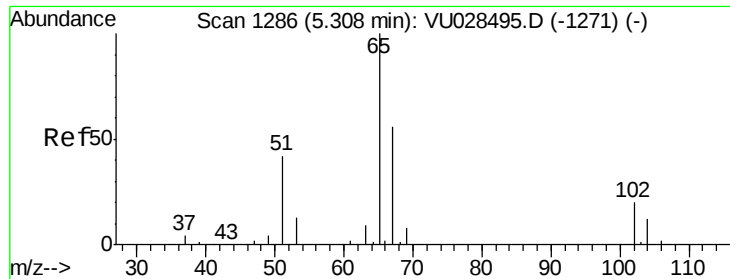
#32
1,1,1-Trichloroethane
Concen: 47.236 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.3	78.5
61	45.8	39.0	58.6



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





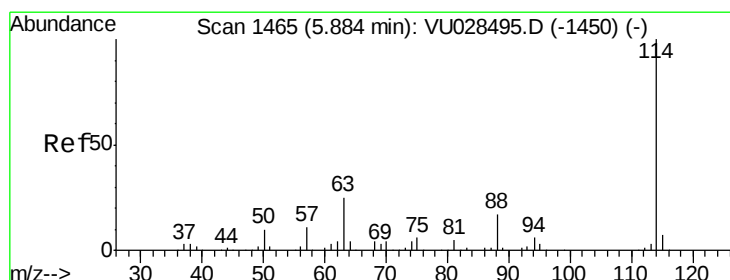
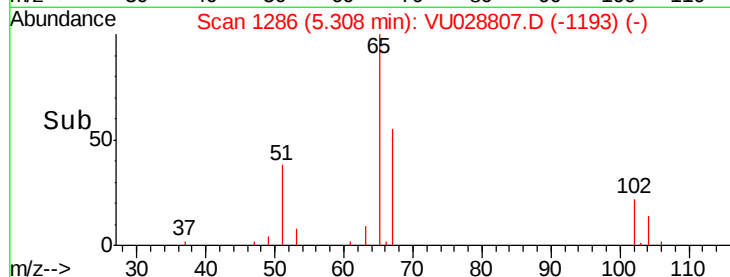
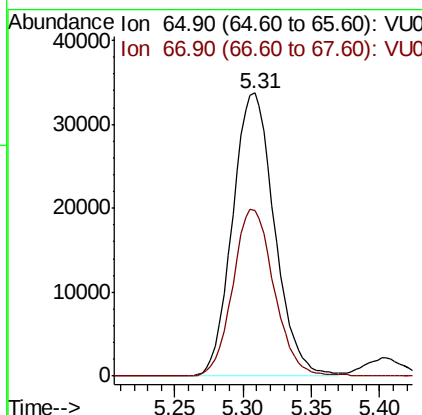
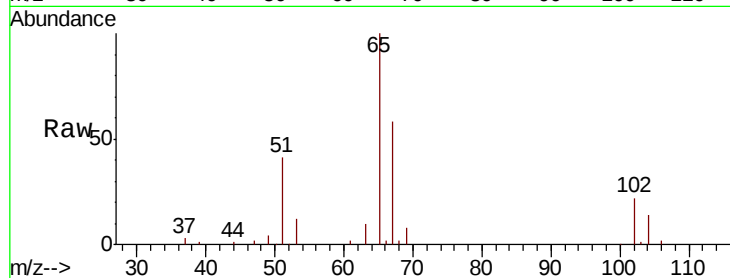
#33
 1,2-Dichloroethane-d4
 Concen: 44.254 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	57.9	0.0	110.6

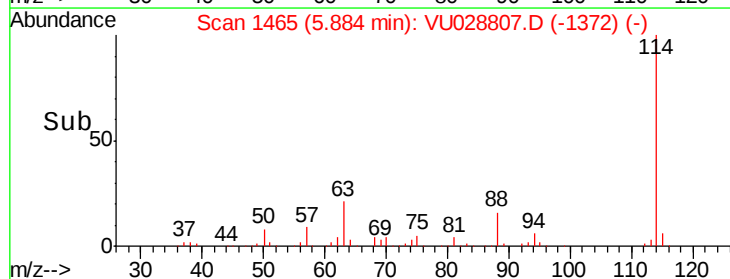
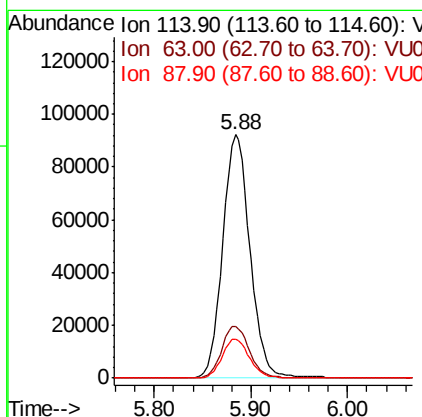
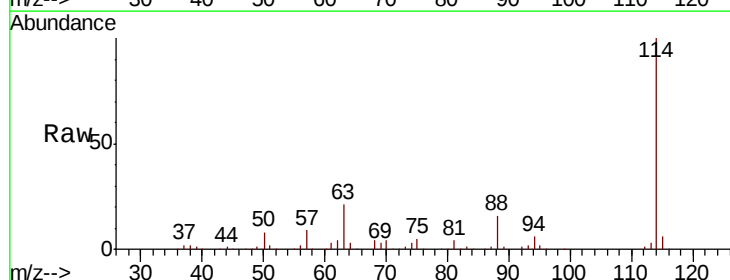
Manual Integrations
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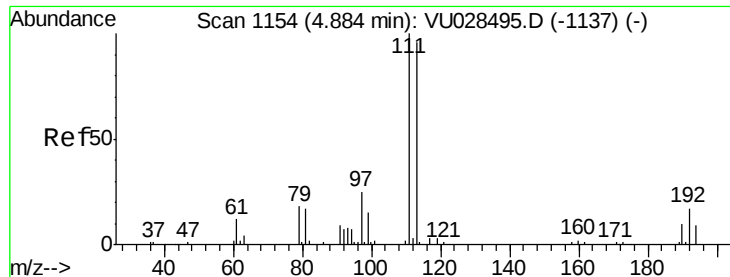
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	49.2
88	16.1	0.0	33.4





#35

Dibromofluoromethane

Concen: 54.173 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

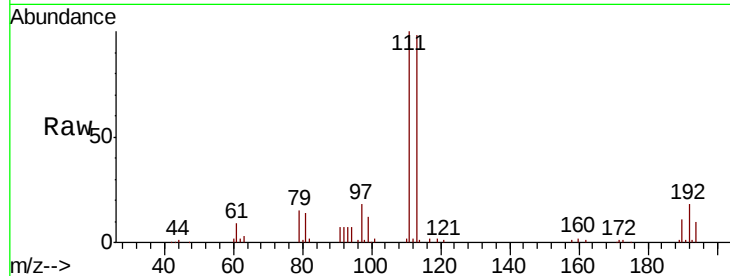
ClientSampleId :

S49-0492MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.4	125.0
192	19.2	14.8	22.2

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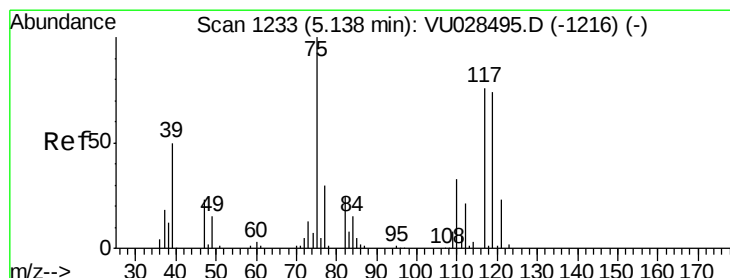
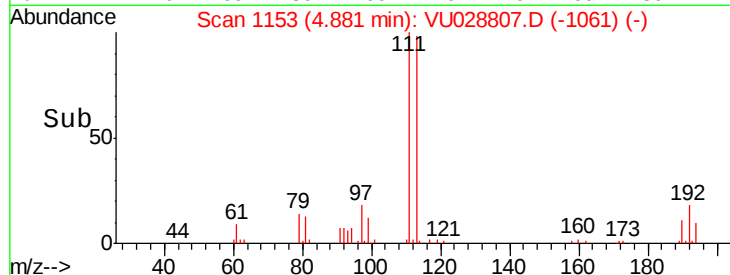
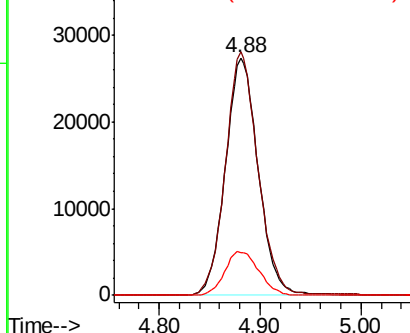


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.856 ug/l

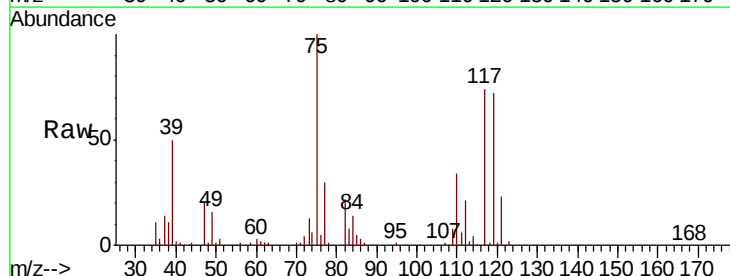
RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.1	48.2
77	30.1	24.5	36.7

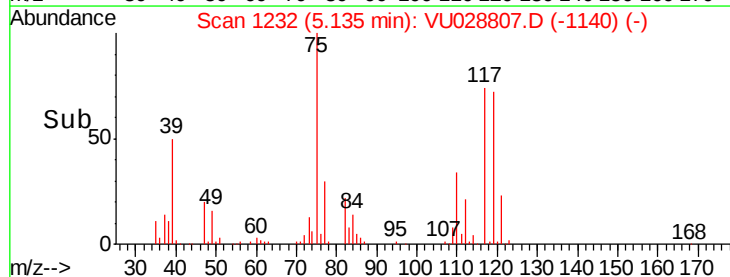
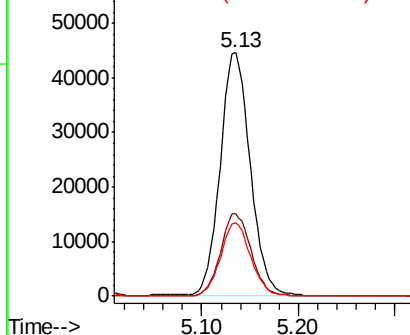


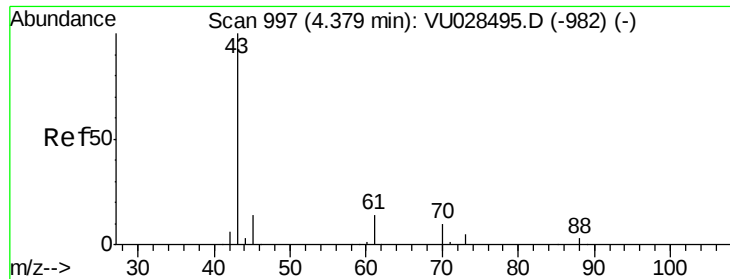
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 43.450 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

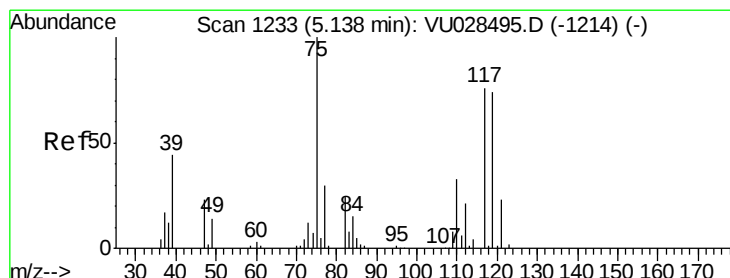
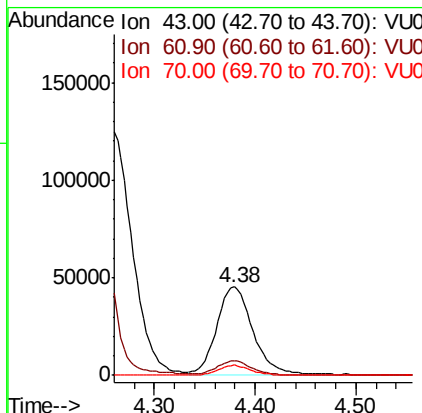
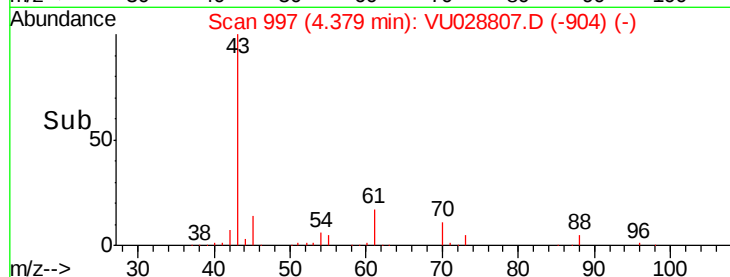
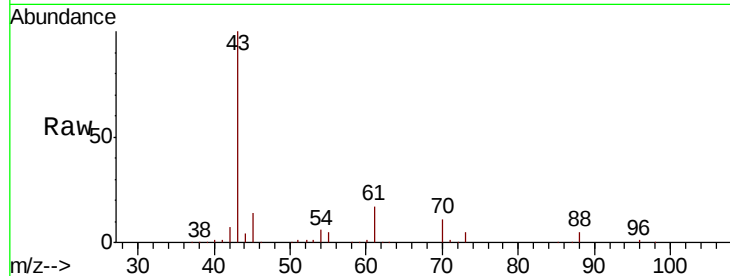
ClientSampleId :

S49-0492MSD

Tot Ion:	43	Resp:	111424
Ion Ratio	Lower	Upper	
43	100		
61	0.0	11.0	16.4#
70	10.6	7.4	11.0

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#38

Carbon Tetrachloride

Concen: 48.870 ug/l

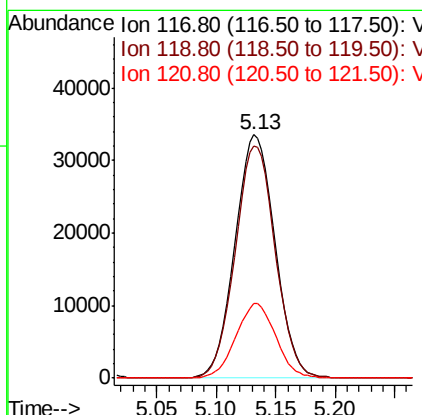
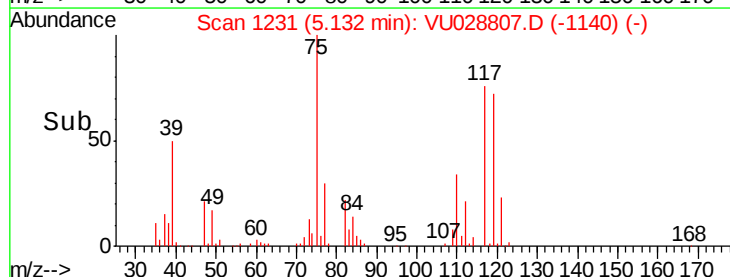
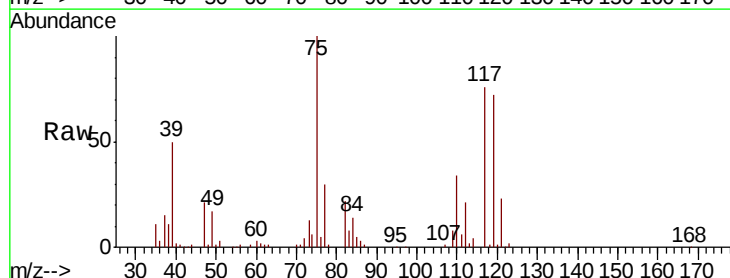
RT: 5.13 min Scan# 1231

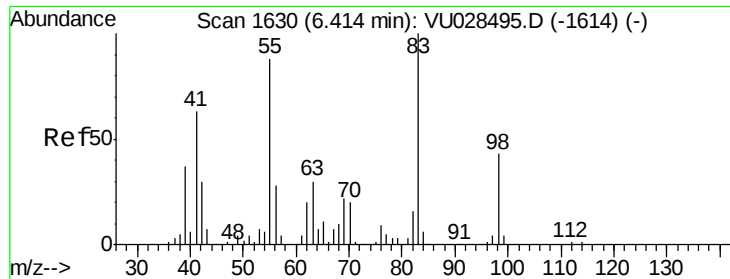
Delta R.T. -0.01 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Tgt Ion:	117	Resp:	78138
Ion Ratio	Lower	Upper	
117	100		
119	95.6	77.6	116.4
121	30.7	24.6	36.8





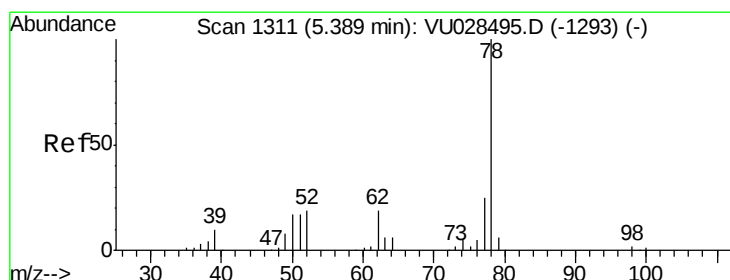
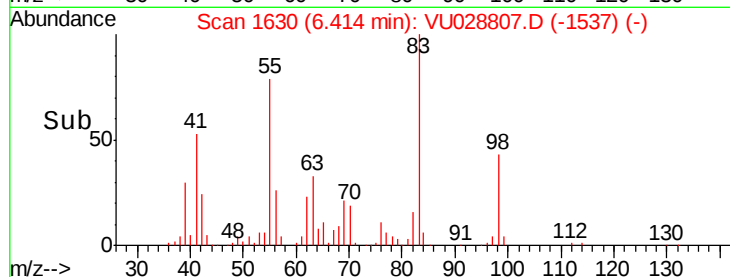
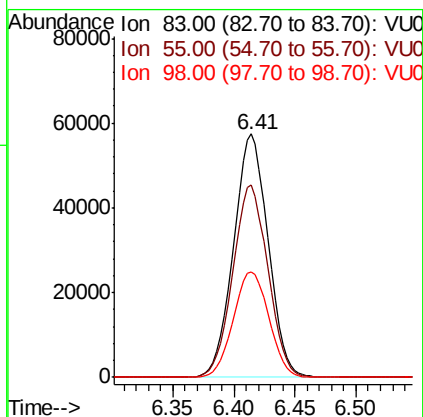
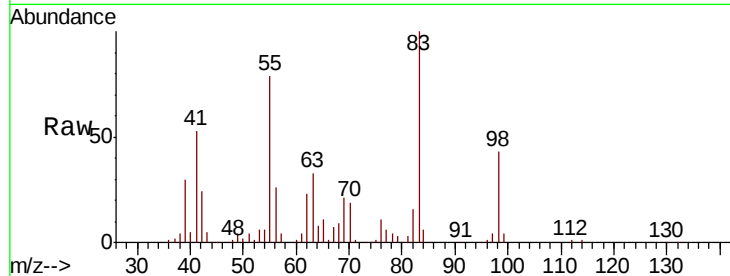
#39
Methvlcvclohexane
Concen: 46.530 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	70.2	105.2
98	43.5	34.2	51.4

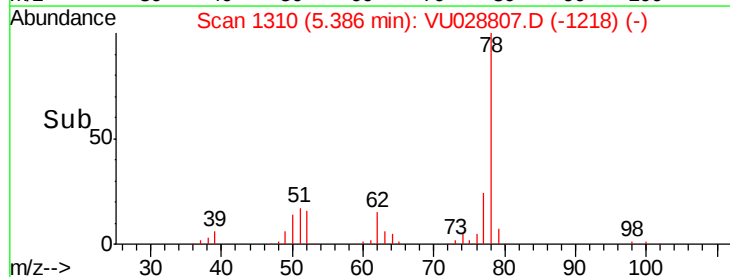
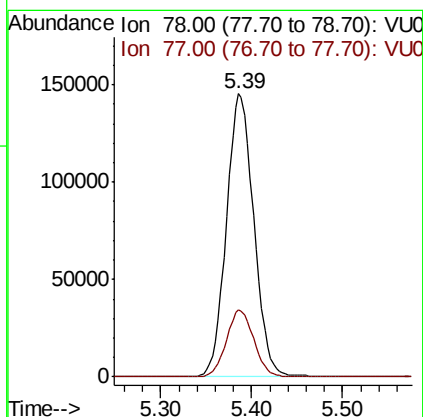
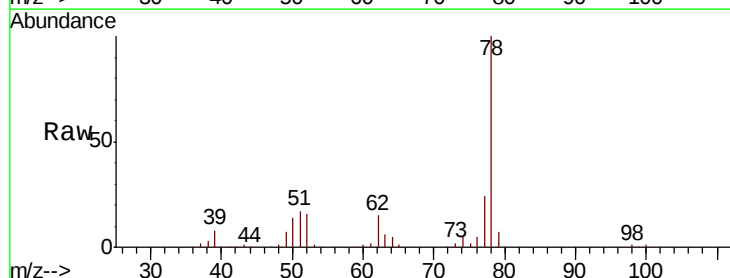
Manual Integrations
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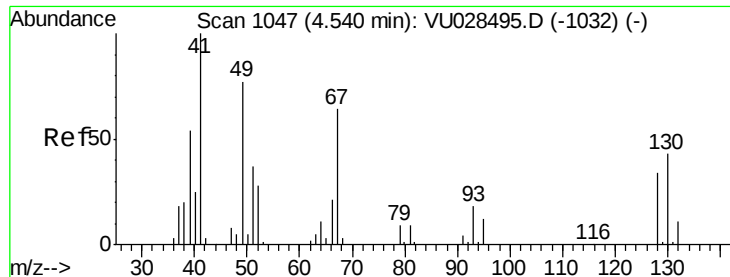
MMDadoda
12/20/2018 8:58:46 AM



#40
Benzene
Concen: 52.063 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.9	29.9





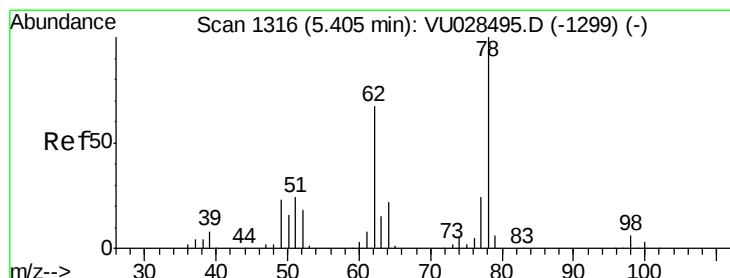
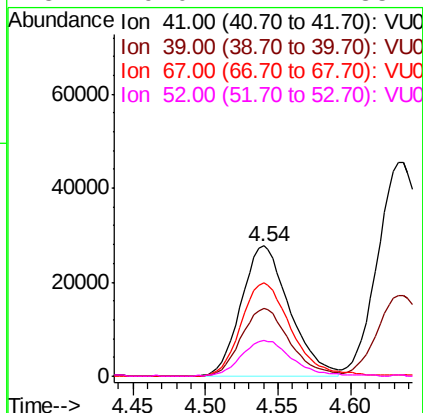
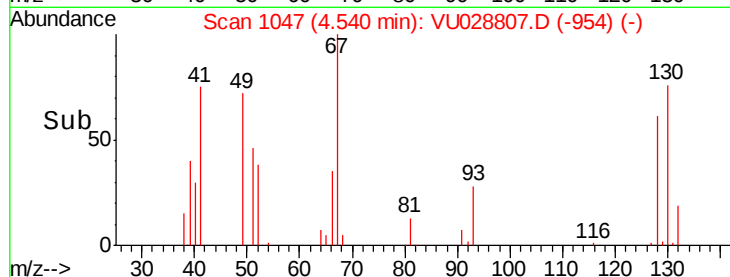
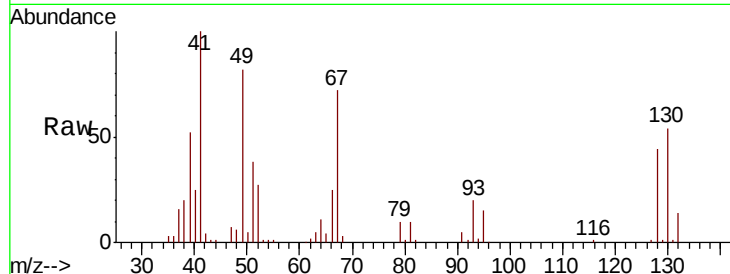
#41
Methacrylonitrile
Concen: 45.823 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	43.3	64.9	
67	74.6	53.6	80.4	
52	29.0	22.1	33.1	

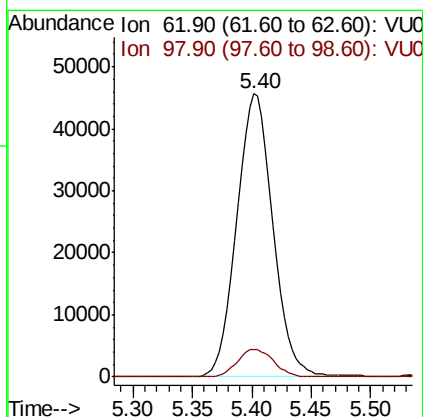
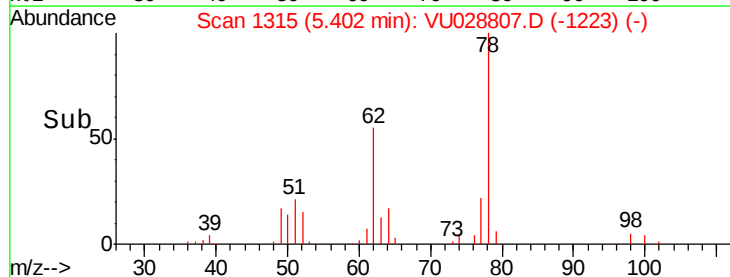
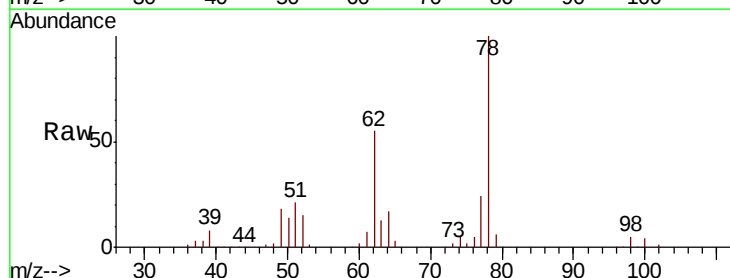
Manual Integrations
APPROVED

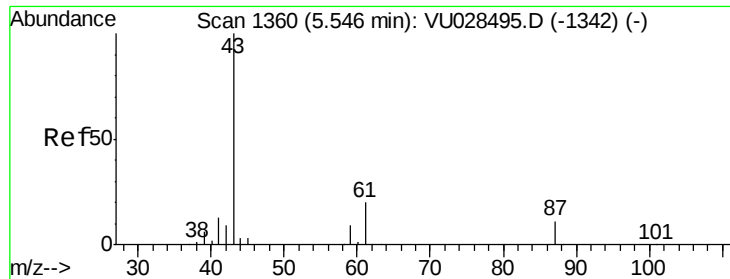
MMDadoda
12/20/2018 8:58:46 AM



#42
1,2-Dichloroethane
Concen: 46.947 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	17.2	





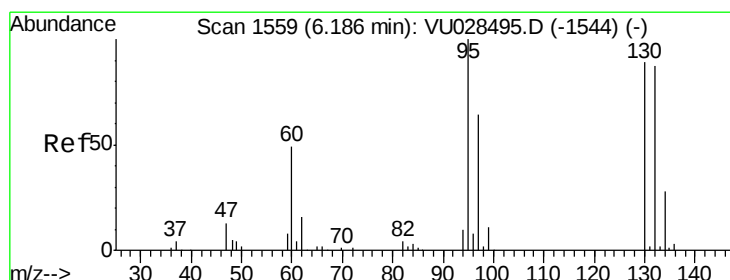
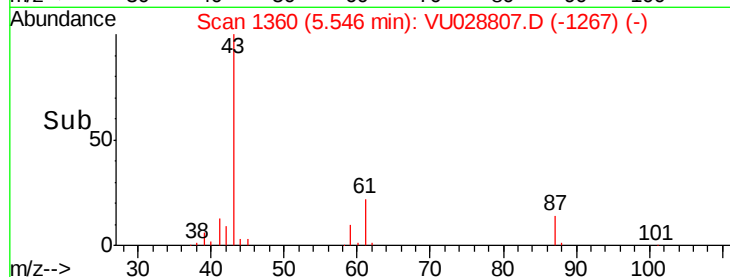
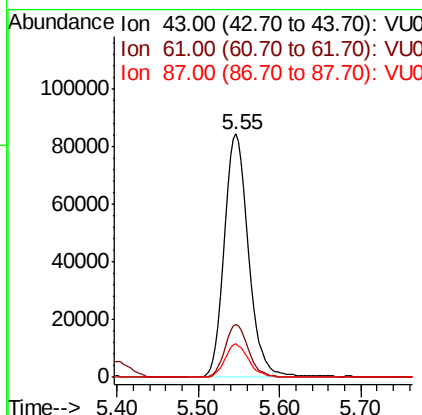
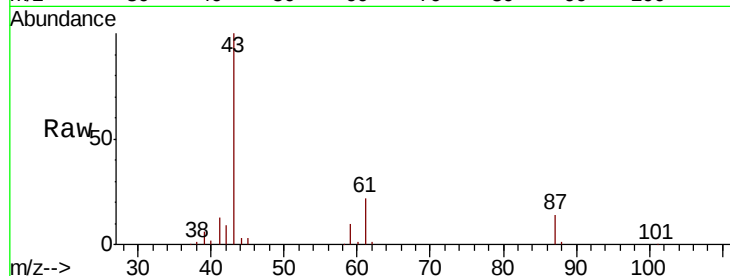
#43
Isopropyl Acetate
Concen: 43.643 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	15.5	23.3
87	13.4	8.7	13.1

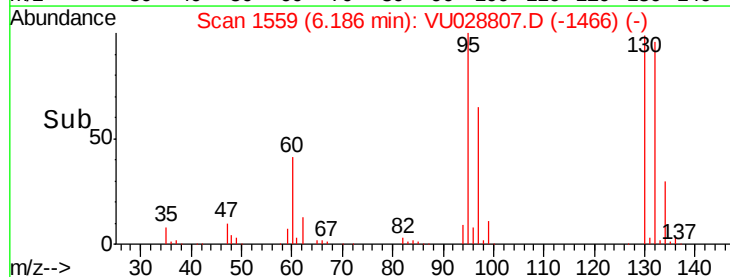
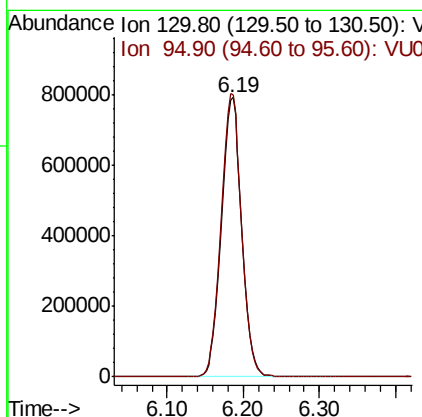
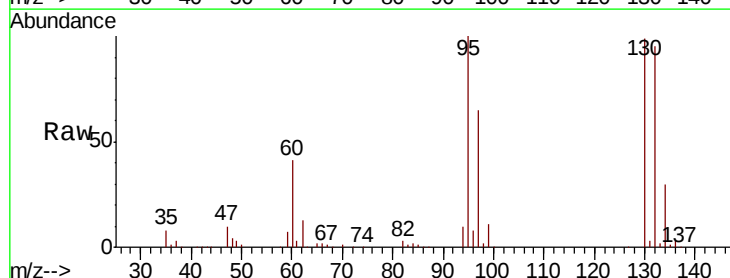
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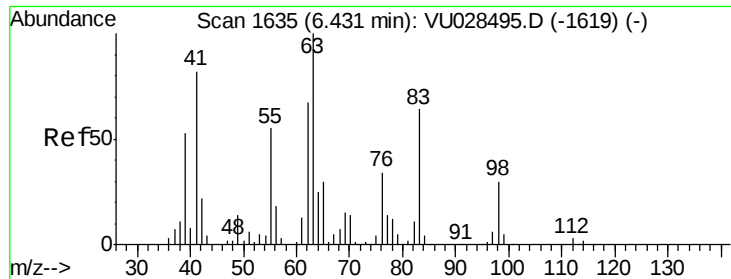
MMDadoda
12/20/2018 8:58:46 AM



#44
Trichloroethene
Concen: 1138.469 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	224.0





#45

1,2-Dichloropropane

Concen: 51.137 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

Tot Ion: 63 Resp: 84017

Ion Ratio Lower Upper

63 100

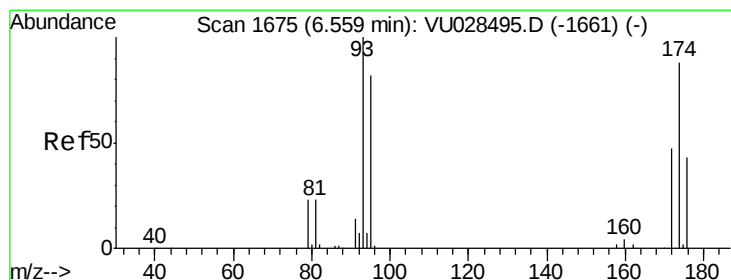
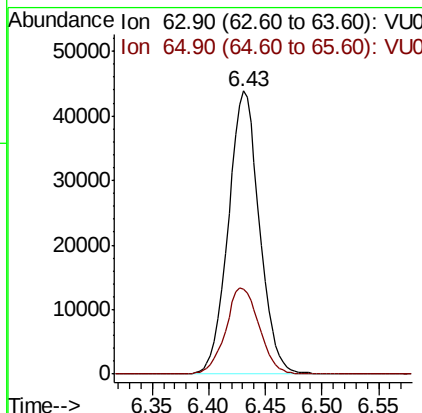
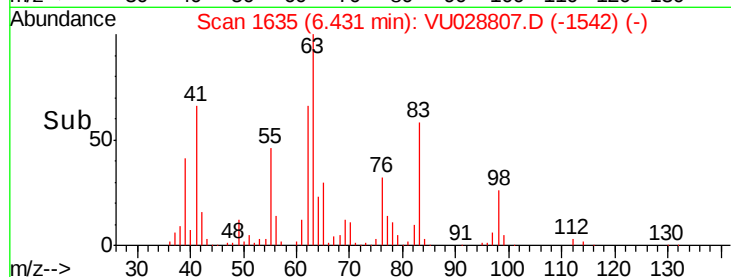
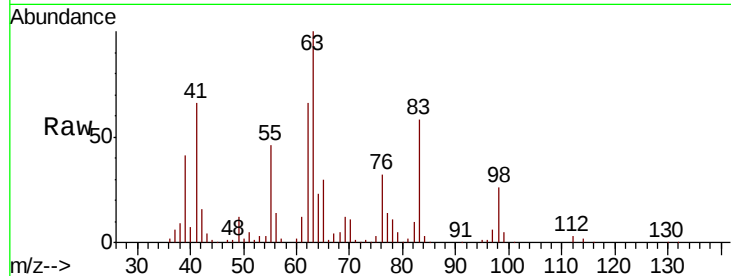
65 30.0 24.2 36.4

Manual Integrations

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#46

Dibromomethane

Concen: 51.889 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

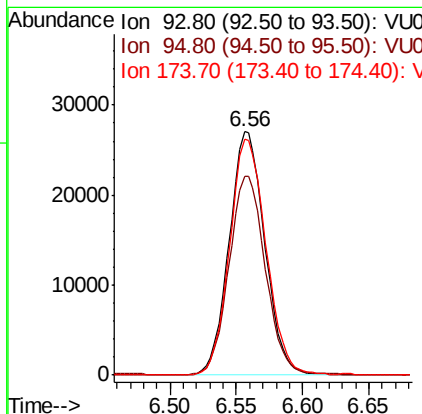
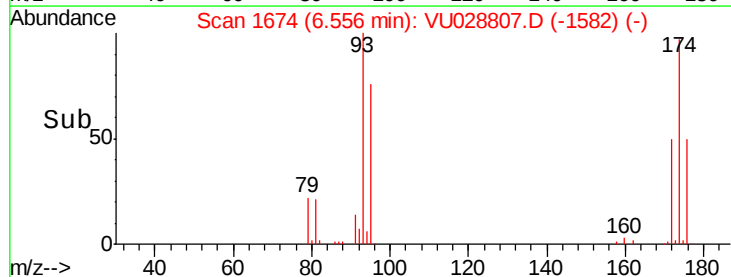
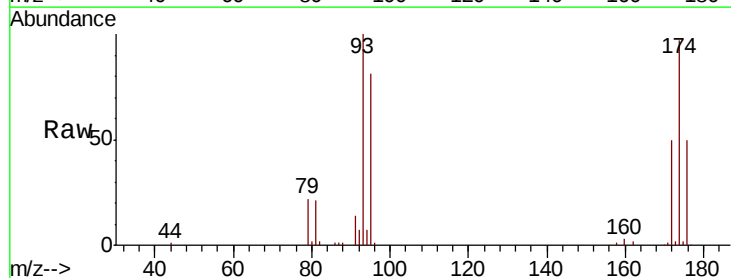
Tgt Ion: 93 Resp: 50583

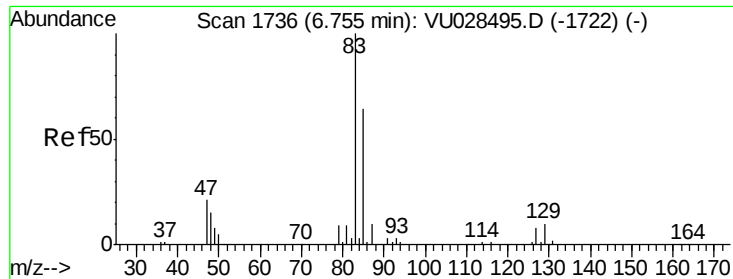
Ion Ratio Lower Upper

93 100

95 83.6 65.4 98.2

174 98.8 72.2 108.4





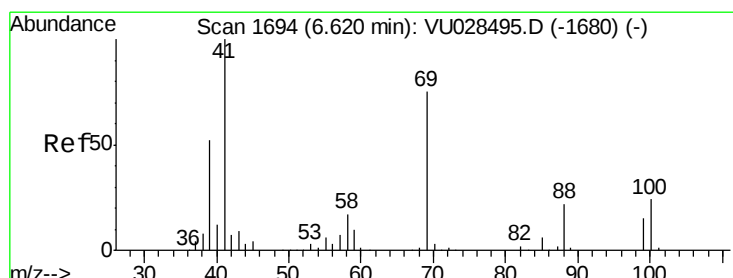
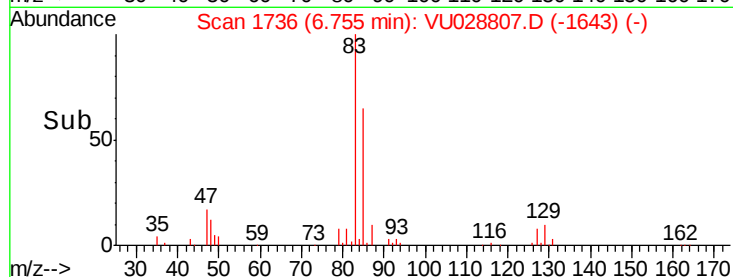
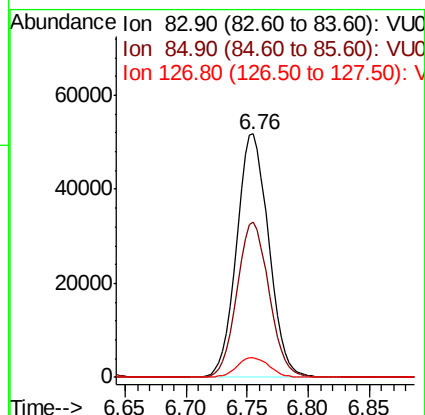
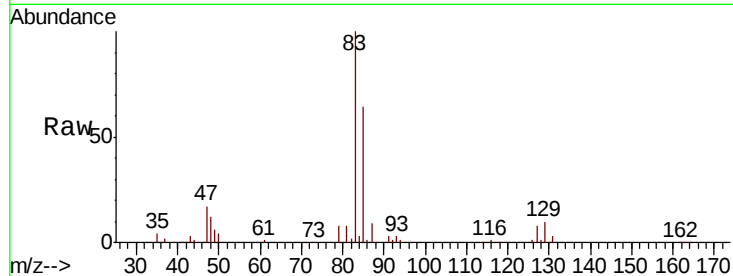
#47
Bromodichloromethane
Concen: 49.806 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.5	77.3
127	8.0	6.2	9.4

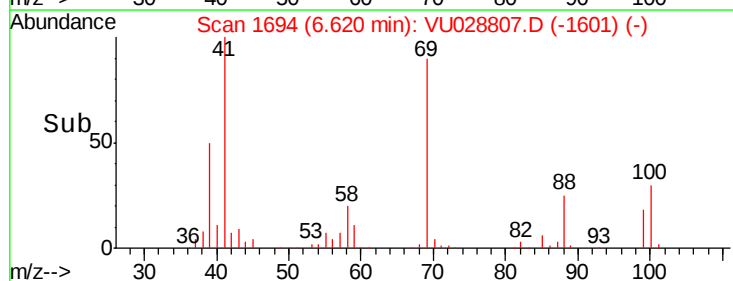
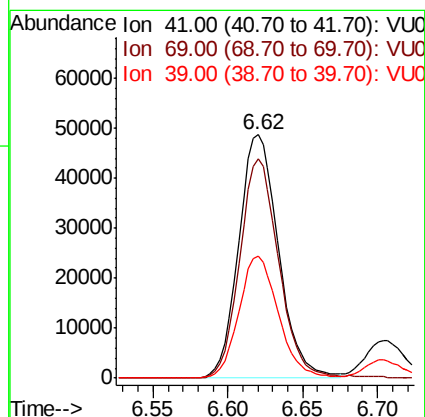
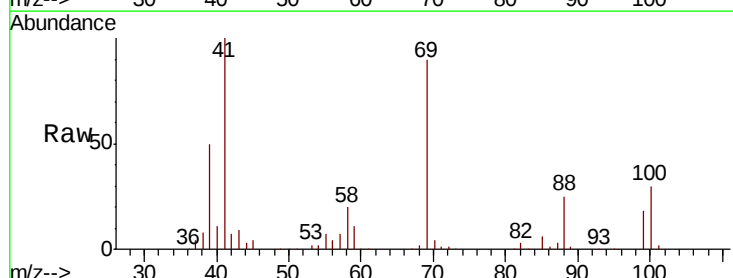
Manual Integrations
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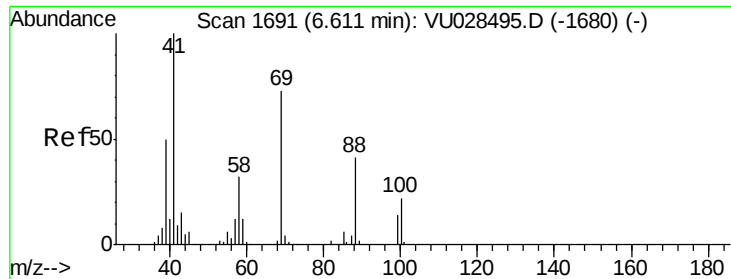
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#48
Methyl methacrylate
Concen: 44.830 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.5	60.4	90.6
39	49.5	41.1	61.7





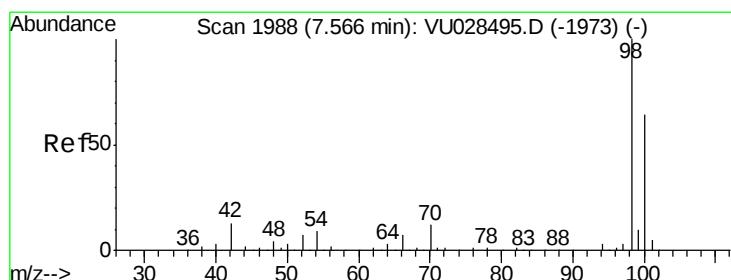
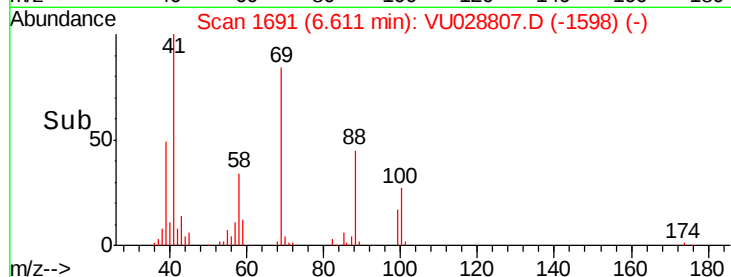
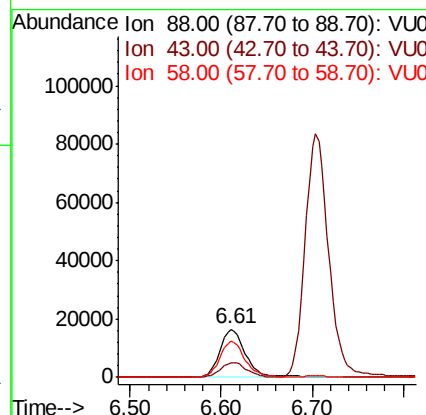
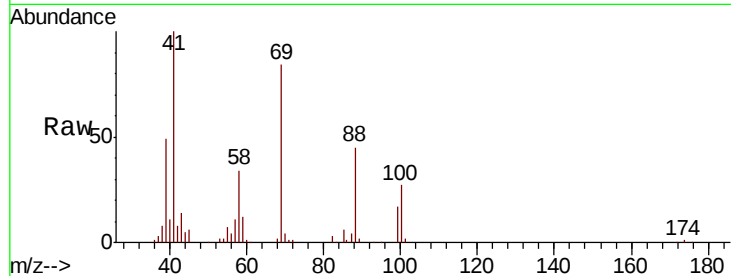
#49
1,4-Dioxane
Concen: 1022.616 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	31.5	30.9	46.3	
58	73.5	62.4	93.6	

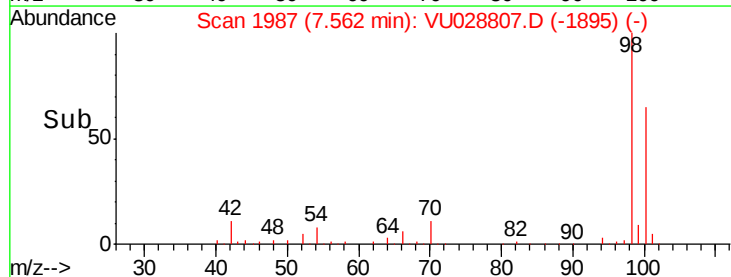
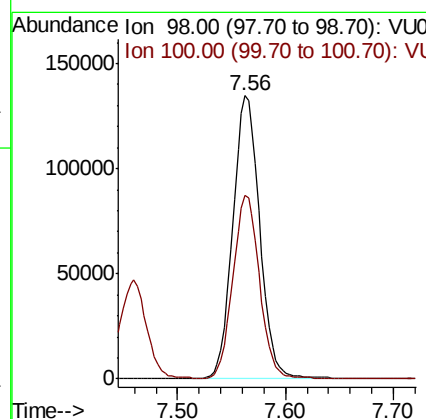
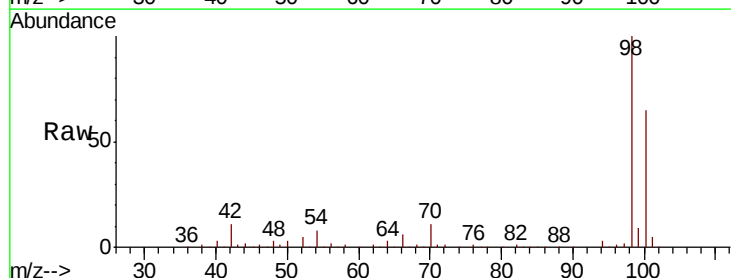
Manual Integrations
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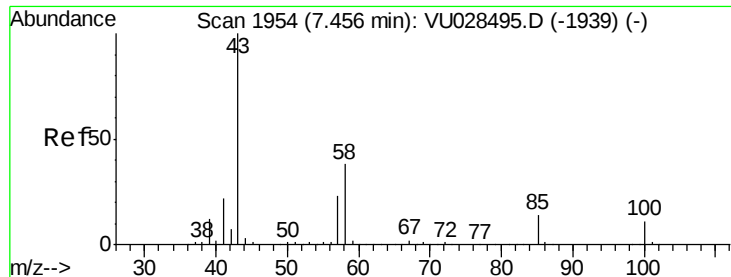
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#50
Toluene-d8
Concen: 51.940 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.3	51.0	76.6	





#51

4-Methyl-2-Pentanone

Concen: 227.880 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

Tot Ion: 43 Resp: 582972

Ion Ratio Lower Upper

43 100

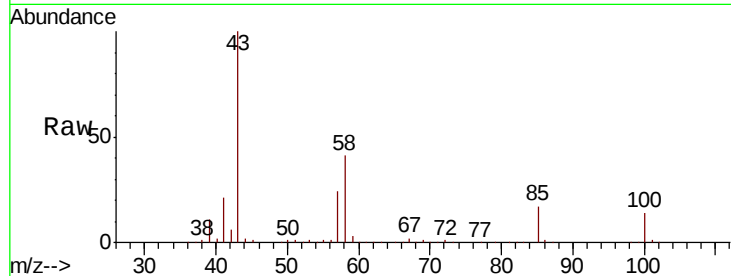
58 41.3 30.2 45.2

Manual Integrations

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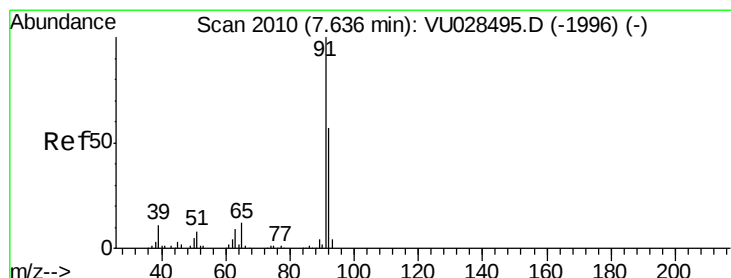
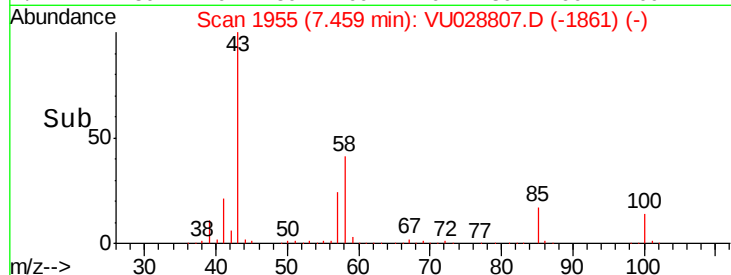
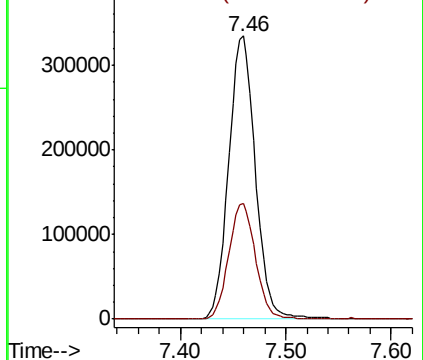
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 54.431 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028807.D

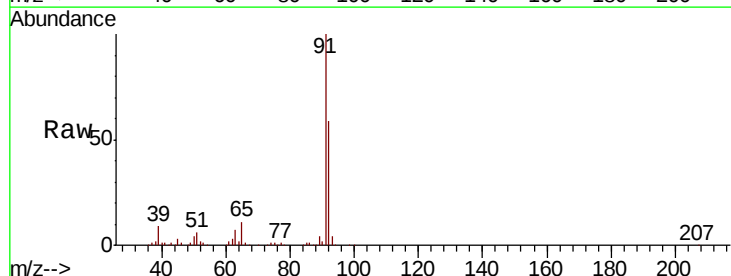
Acq: 19 Dec 2018 20:34

Tgt Ion: 92 Resp: 187161

Ion Ratio Lower Upper

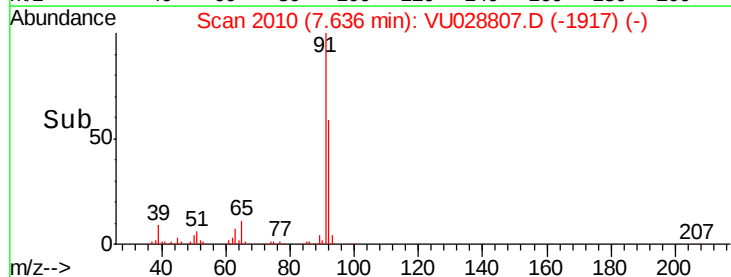
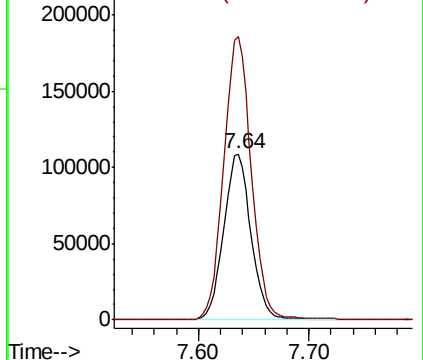
92 100

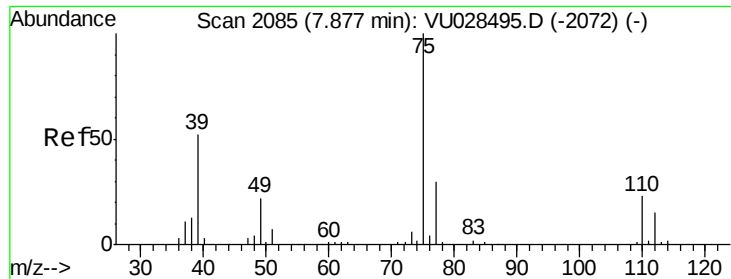
91 172.3 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





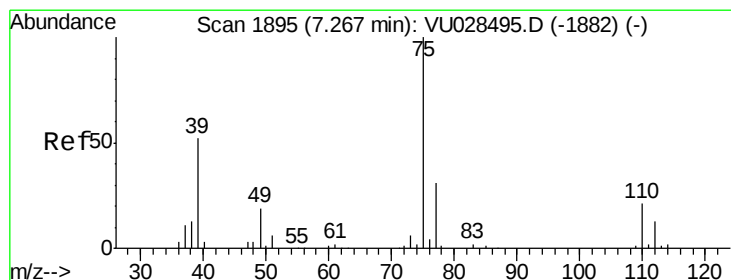
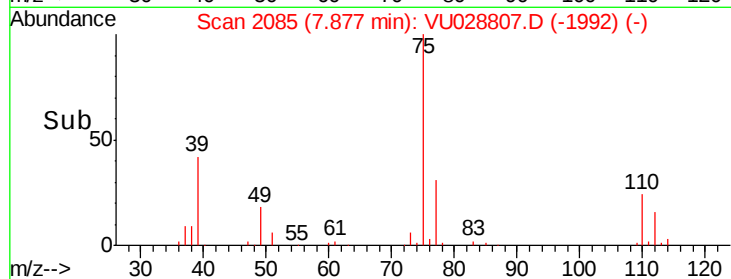
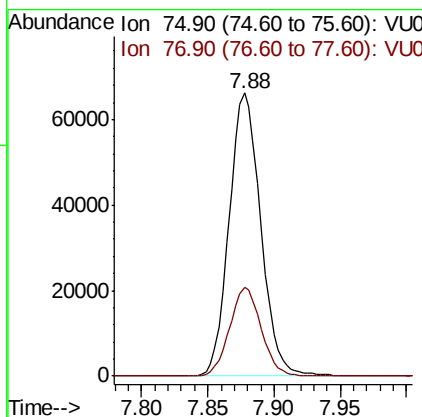
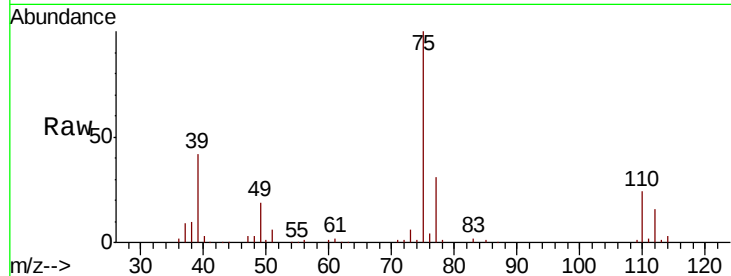
#53
t-1,3-Dichloropropene
Concen: 48.553 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.2	36.4

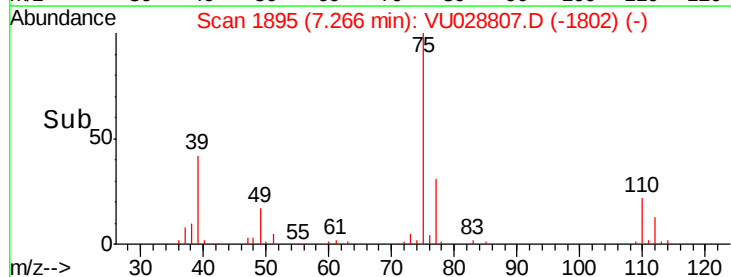
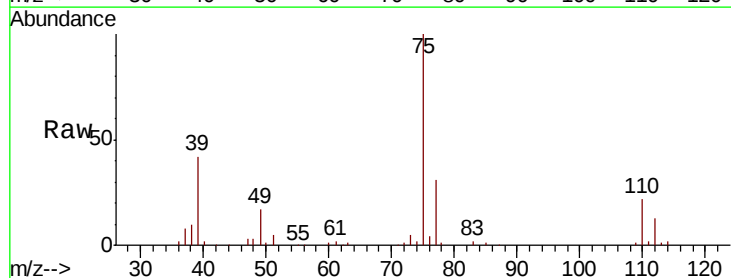
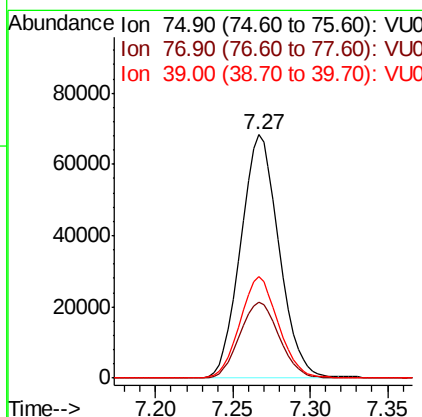
Manual Integrations
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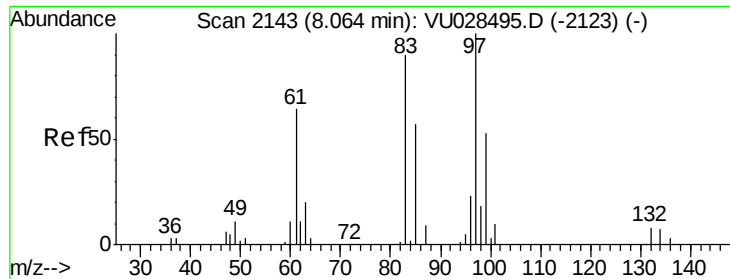
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#54
cis-1,3-Dichloropropene
Concen: 48.152 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.4
39	41.6	41.3	61.9





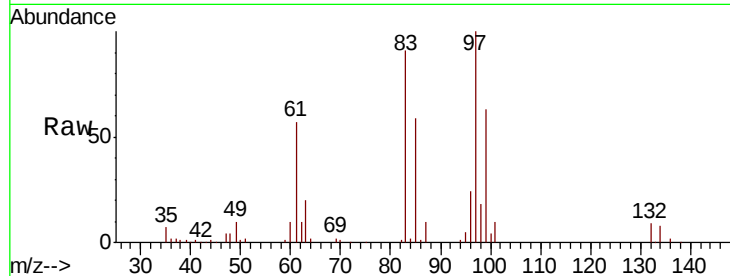
#55
1,1,2-Trichloroethane
Concen: 53.859 ug/l
RT: 8.06 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

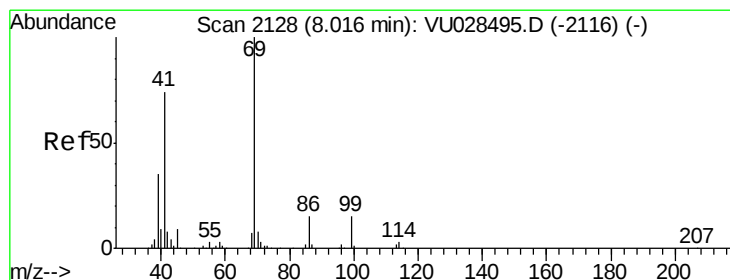
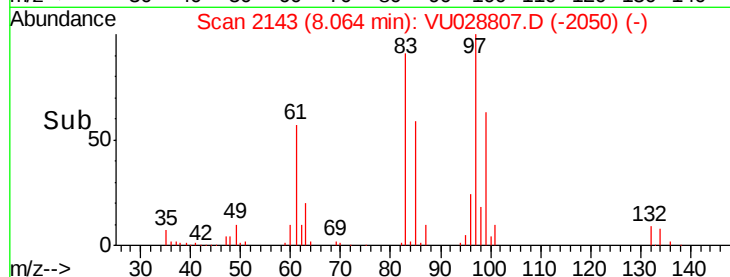
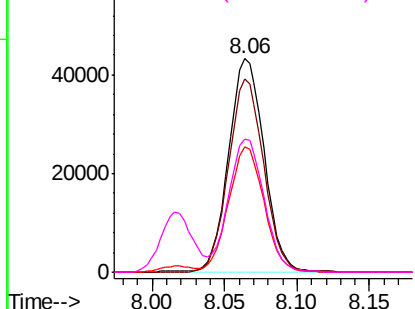
Tot Ion:	97	Resp:	73206
Ion	Ratio	Lower	Upper
97	100		
83	90.8	72.4	108.6
85	58.7	46.0	69.0
99	62.5	47.4	71.2

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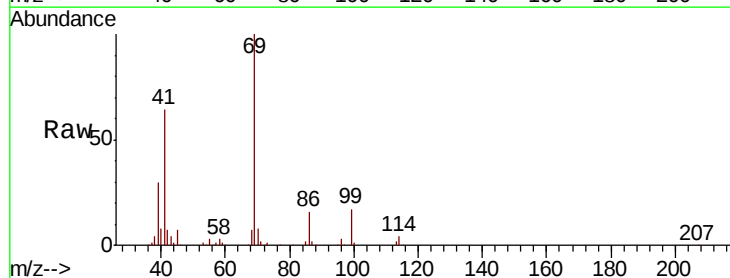


Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 98.90 (98.60 to 99.60): VU0

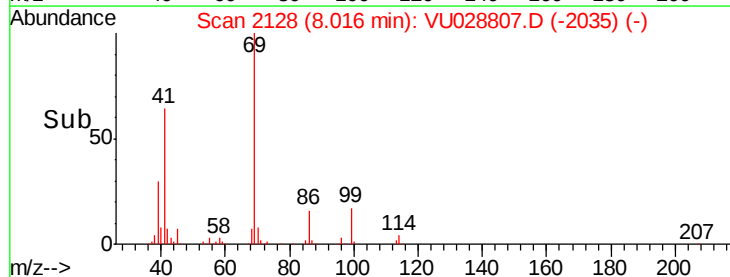
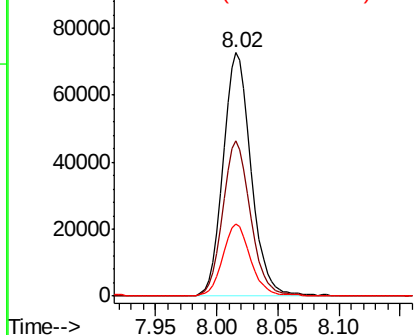


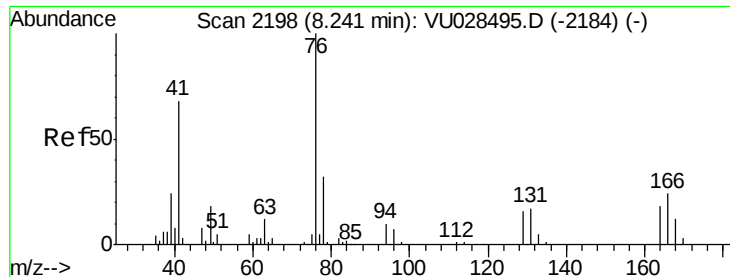
#56
Ethyl methacrylate
Concen: 50.354 ug/l
RT: 8.02 min Scan# 2128
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion:	69	Resp:	117202
Ion	Ratio	Lower	Upper
69	100		
41	63.6	59.1	88.7
39	29.8	28.4	42.6



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0





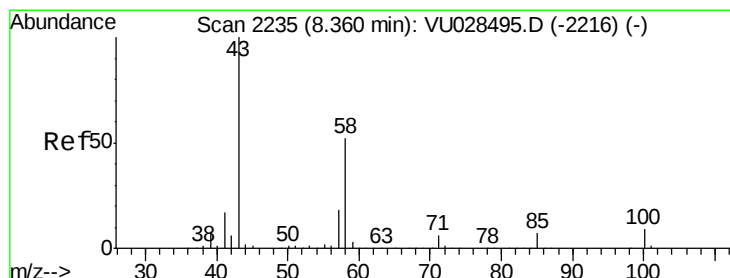
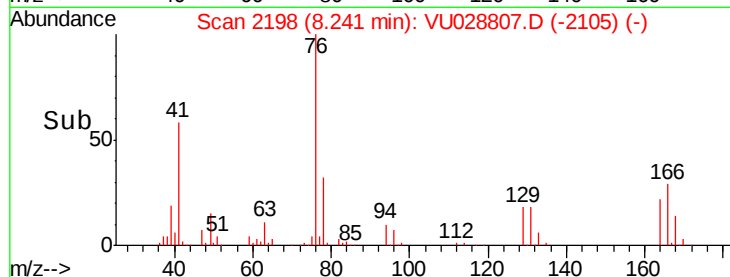
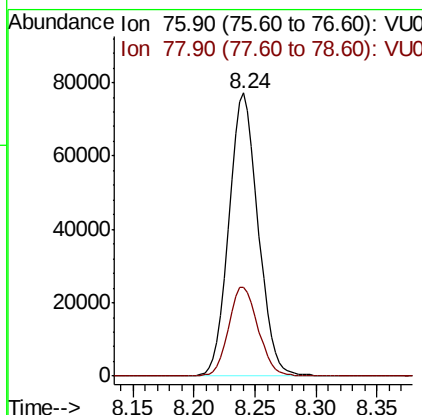
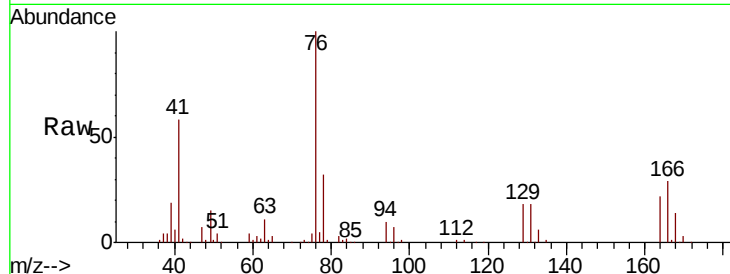
#57
 1,3-Dichloropropane
 Concen: 51.253 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.2	37.8

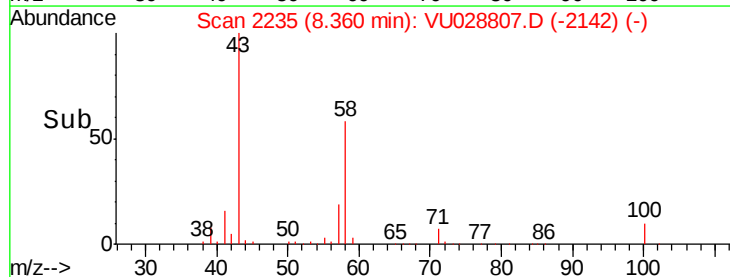
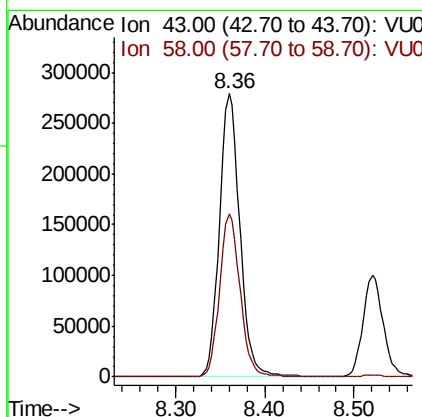
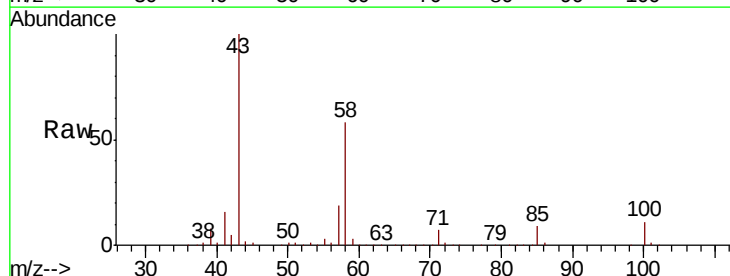
Manual Integrations
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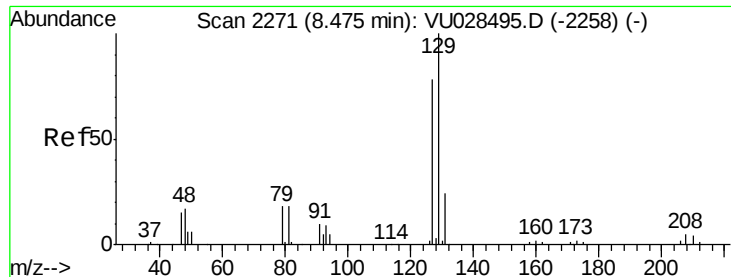
MMDadoda
 12/20/2018 8:58:46 AM



#59
 2-Hexanone
 Concen: 219.294 ug/l
 RT: 8.36 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	57.6	25.9	77.6





#60

Dibromochloromethane

Concen: 52.447 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

Tot Ion:129 Resp: 69794

Ion Ratio Lower Upper

129 100

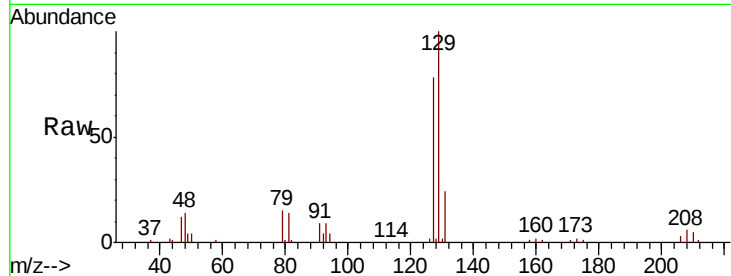
127 78.1 39.1 117.3

Manual Integrations

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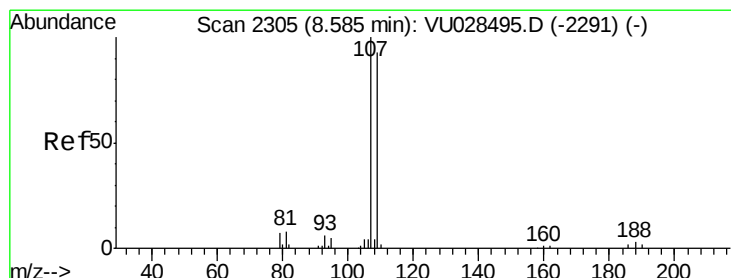
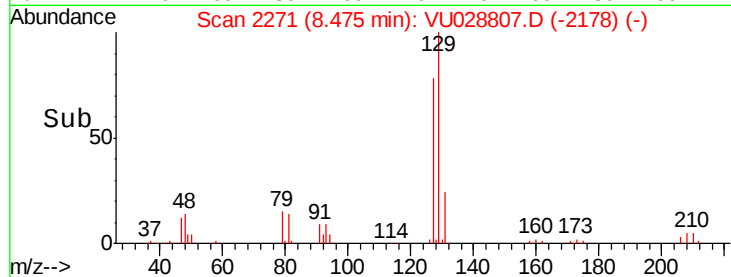
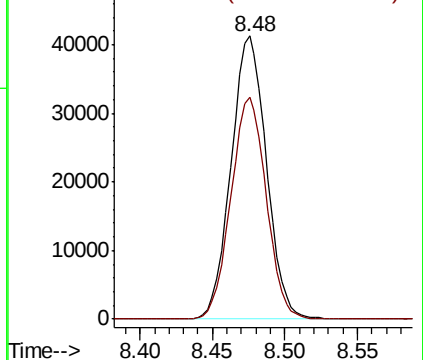
MMDadoda

12/20/2018 8:58:46 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 55.205 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028807.D

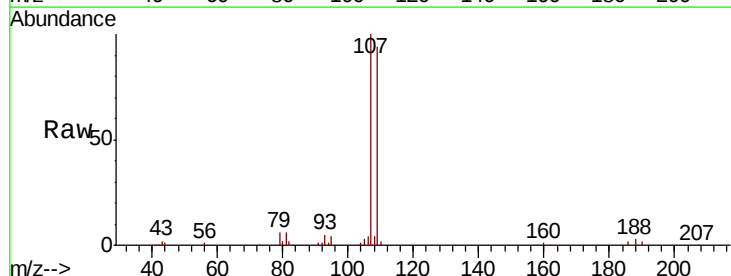
Acq: 19 Dec 2018 20:34

Tgt Ion:107 Resp: 78686

Ion Ratio Lower Upper

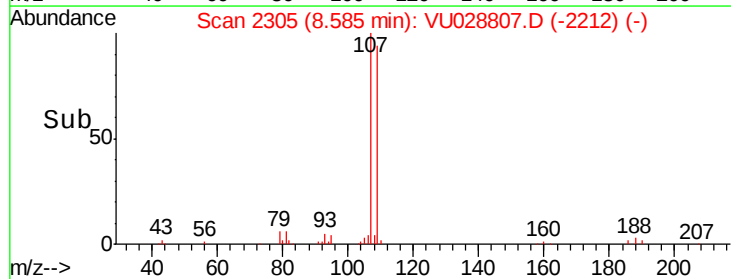
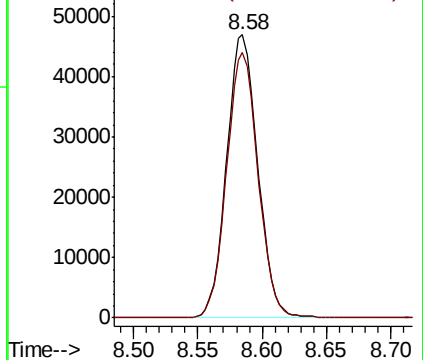
107 100

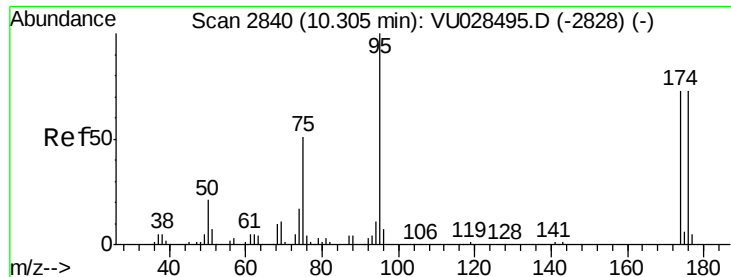
109 94.7 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





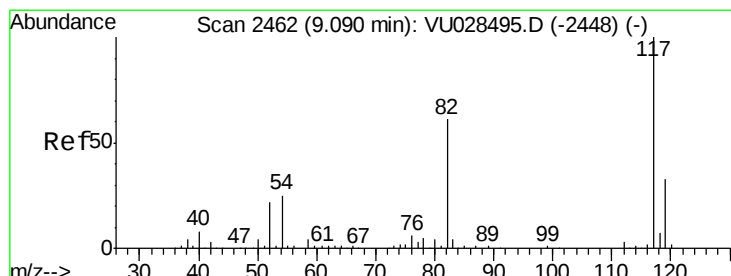
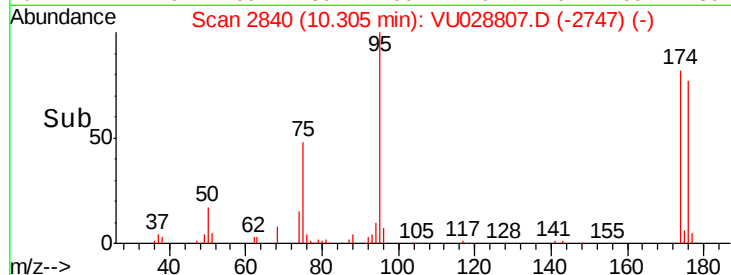
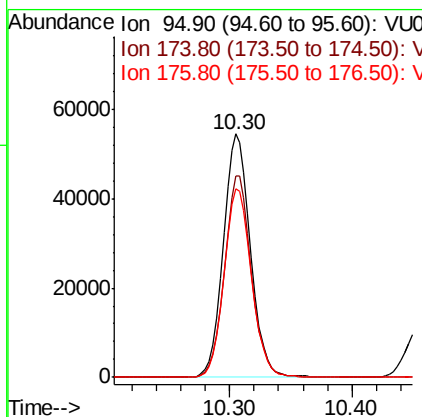
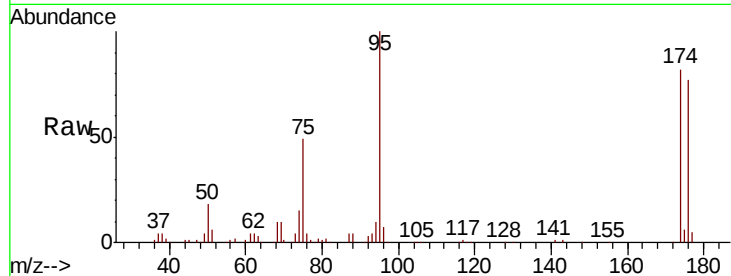
#62
4-Bromofluorobenzene
Concen: 50.306 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion	Ratio	Lower	Upper
95	100		
174	82.1	0.0	150.4
176	78.6	0.0	145.2

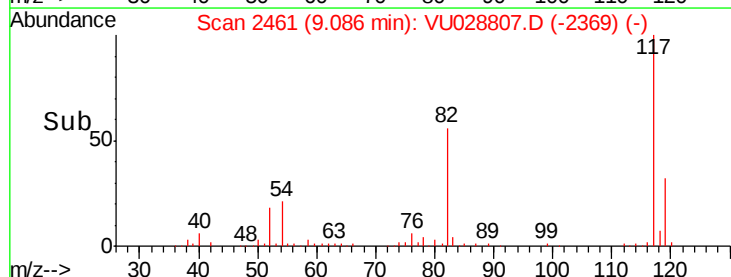
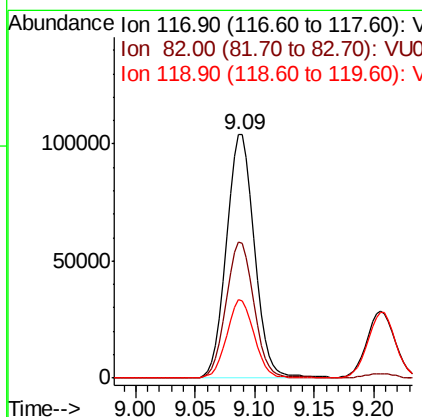
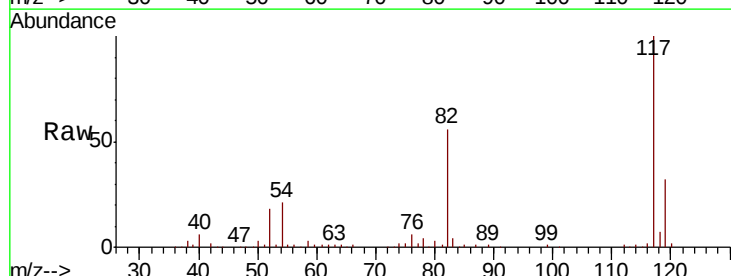
Manual Integrations
APPROVED

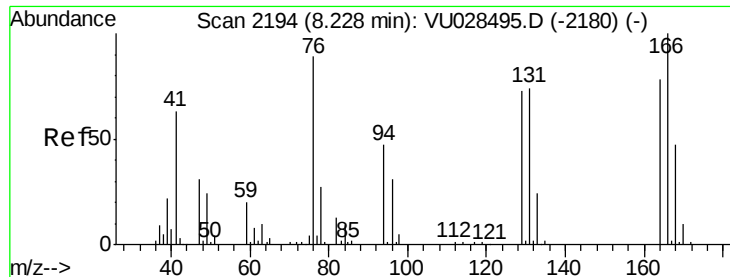
MMDadoda
12/20/2018 8:58:46 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.0	48.9	73.3
119	32.3	26.2	39.4





#64

Tetrachloroethene

Concen: 61.950 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

Tot Ion:164 Resp: 70475

Ion Ratio Lower Upper

164 100

166 126.1 101.9 152.9

129 93.9 74.9 112.3

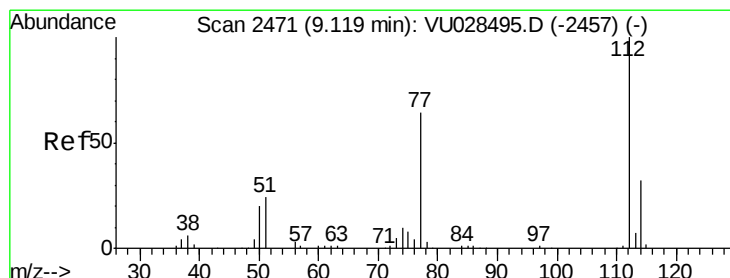
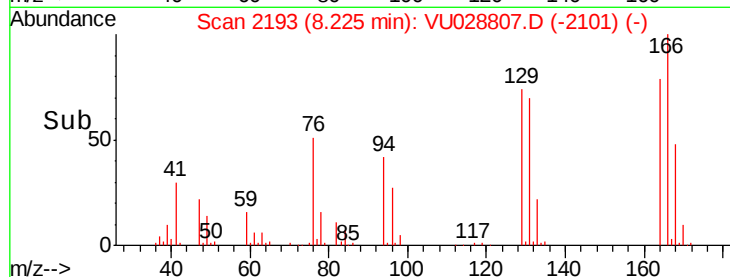
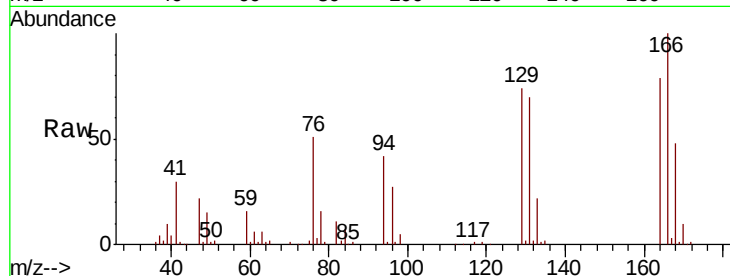
131 88.6 75.4 113.0

Manual Integrations

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#65

Chlorobenzene

Concen: 52.912 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028807.D

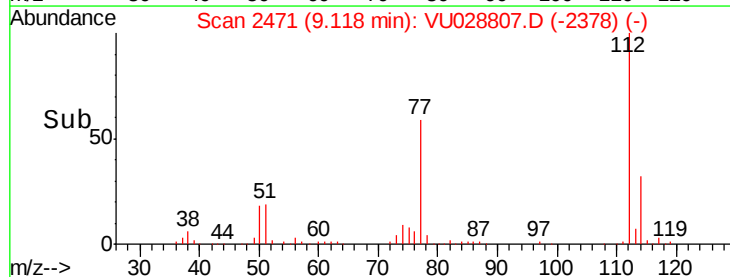
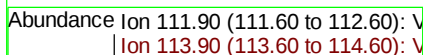
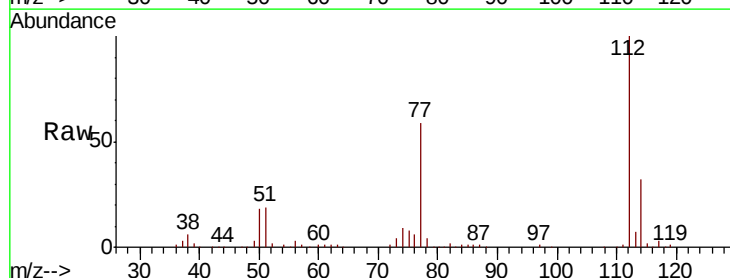
Acq: 19 Dec 2018 20:34

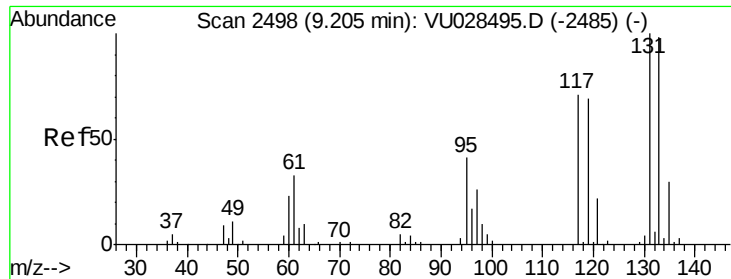
Tgt Ion:112 Resp: 192296

Ion Ratio Lower Upper

112 100

114 31.8 25.3 37.9





#66

1,1,1,2-Tetrachloroethane

Concen: 55.339 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

Tot Ion:131 Resp: 64223

Ion Ratio Lower Upper

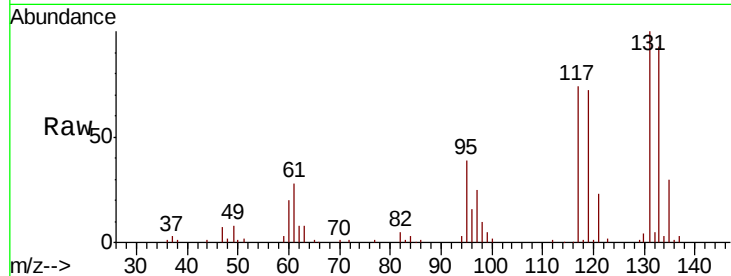
131 100

133 94.1 48.0 144.0

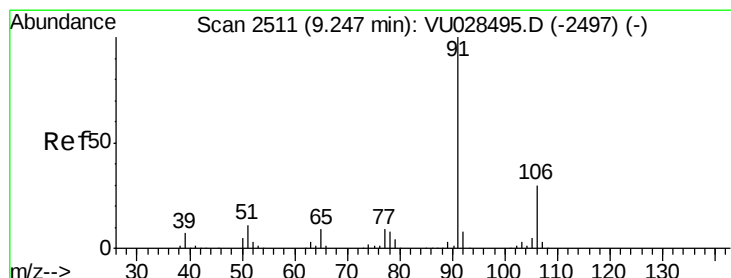
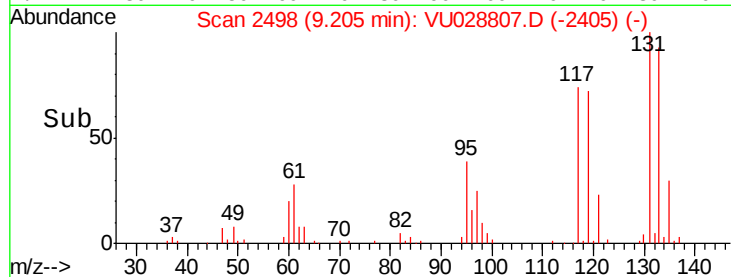
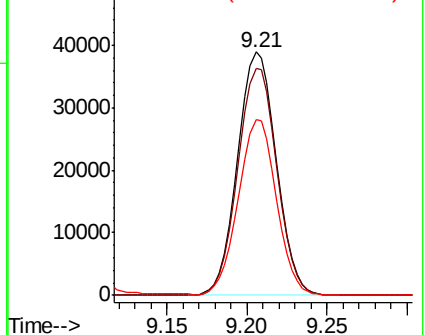
119 70.9 34.6 103.9

Manual Integrations
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Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 50.123 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028807.D

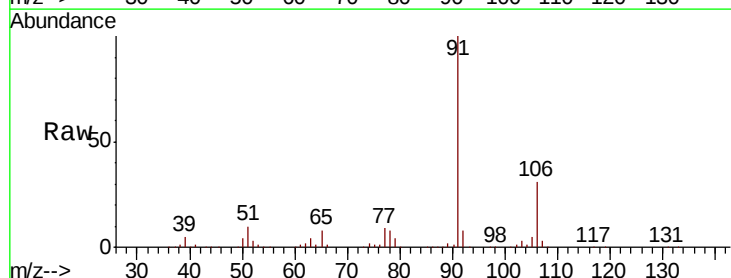
Acq: 19 Dec 2018 20:34

Tgt Ion: 91 Resp: 334871

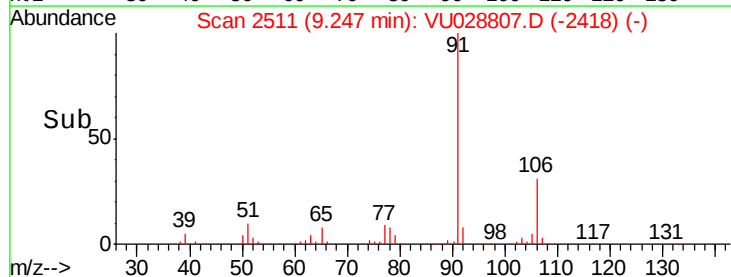
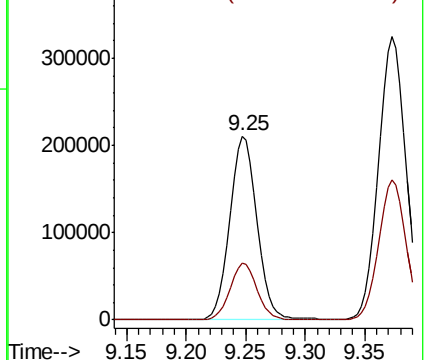
Ion Ratio Lower Upper

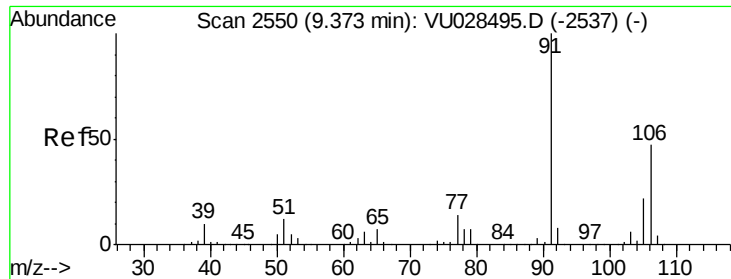
91 100

106 31.1 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 106.00 (105.70 to 106.70): V





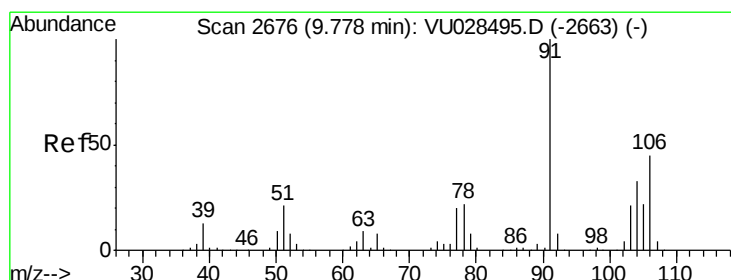
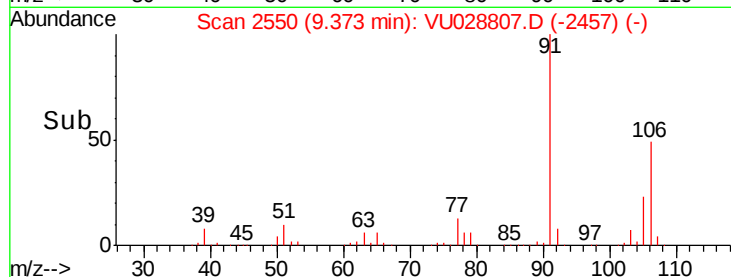
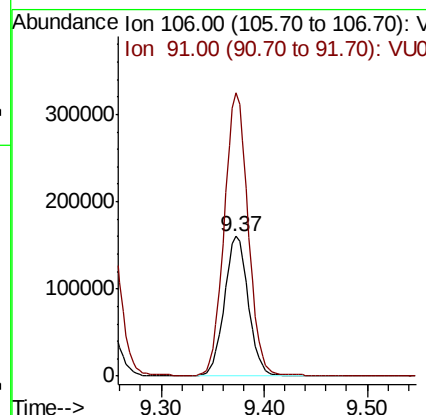
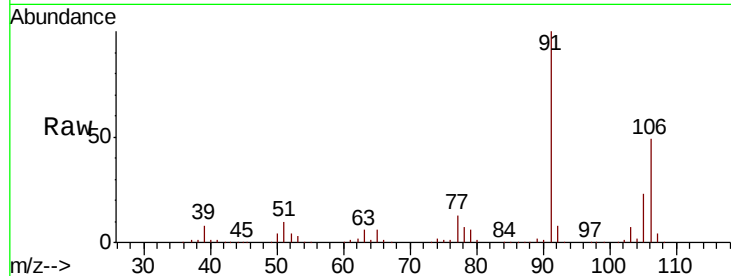
#68
m/p-Xylenes
Concen: 106.609 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion:106 Resp: 259170
Ion Ratio Lower Upper
106 100
91 202.6 167.4 251.0

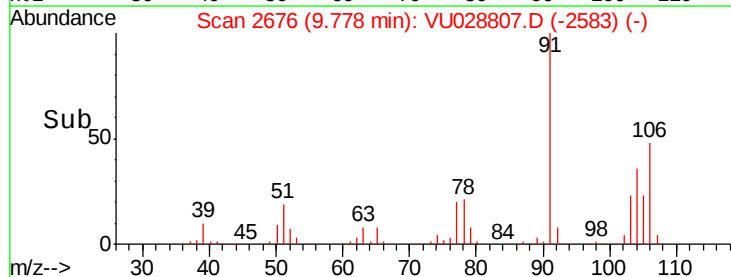
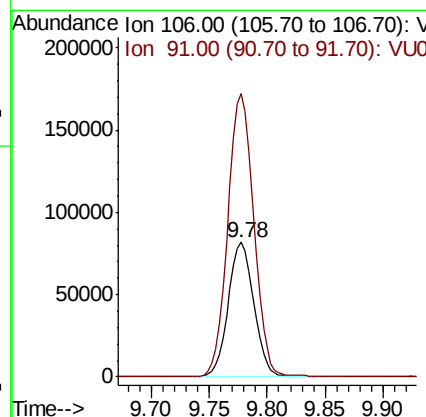
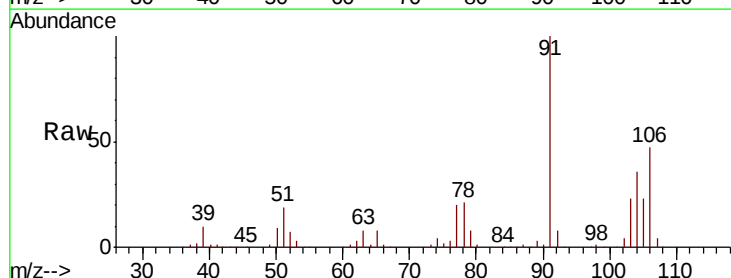
Manual Integrations
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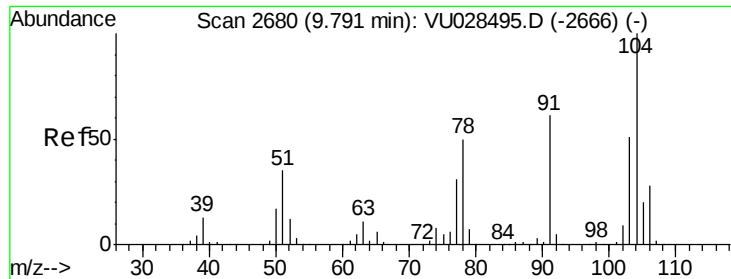
MMDadoda
12/20/2018 8:58:46 AM



#69
o-Xylene
Concen: 53.304 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion:106 Resp: 125928
Ion Ratio Lower Upper
106 100
91 213.6 111.3 334.0





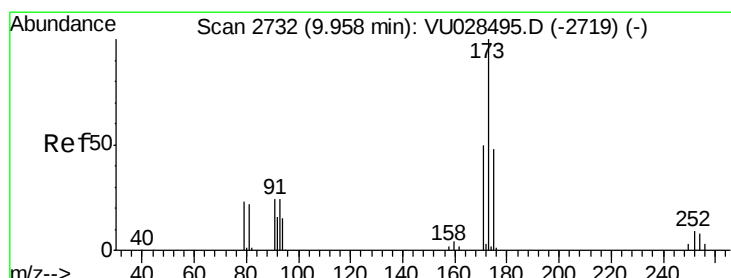
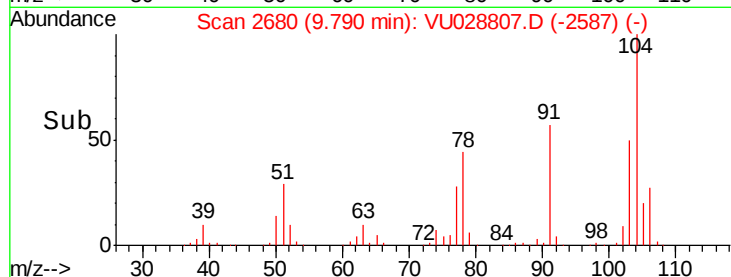
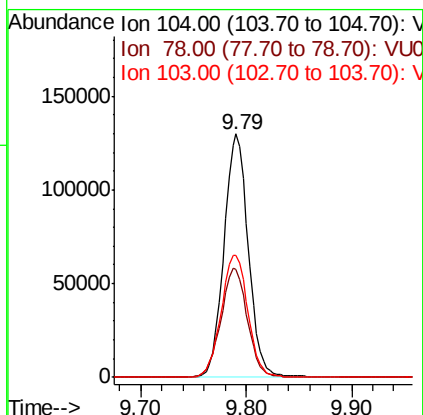
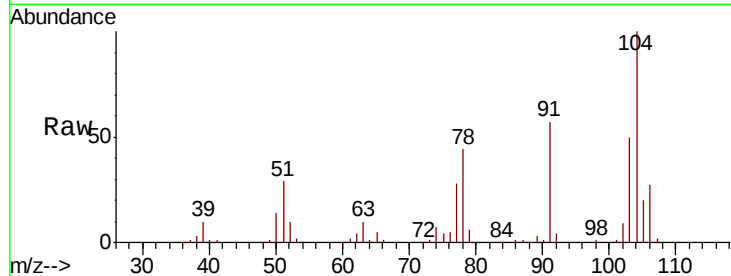
#70
Stvrene
Concen: 53.031 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.8	43.0	64.6
103	55.2	44.2	66.4

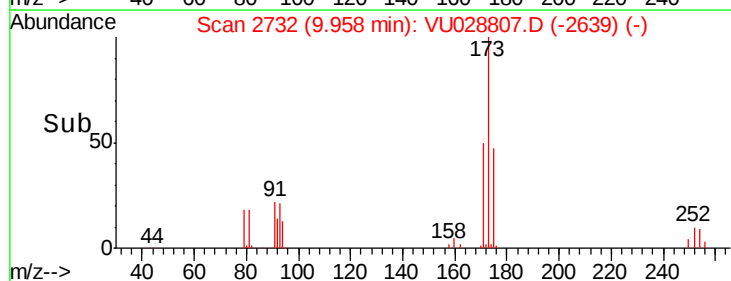
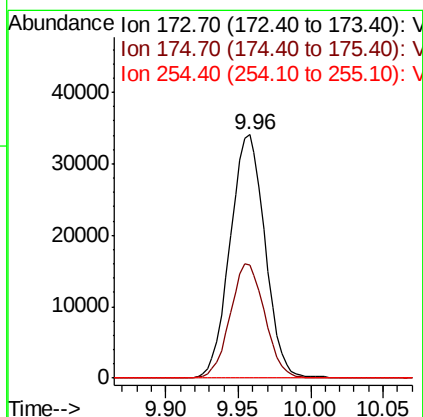
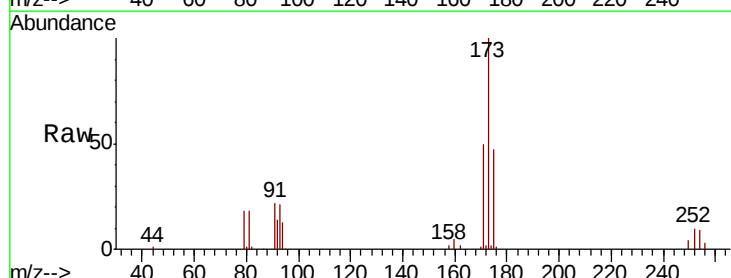
Manual Integrations
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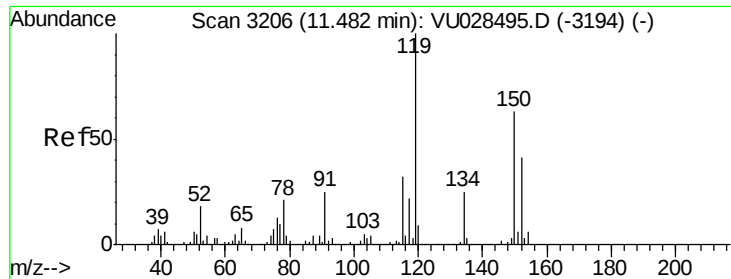
MMDadoda
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#71
Bromoform
Concen: 57.608 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.6	23.9	71.8
254	0.0	0.0	0.0





#72

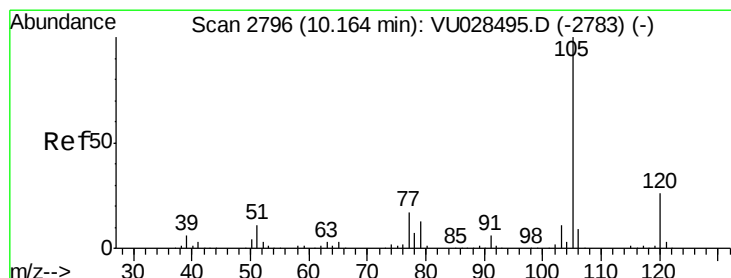
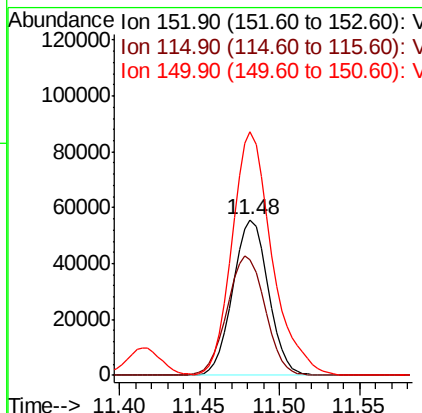
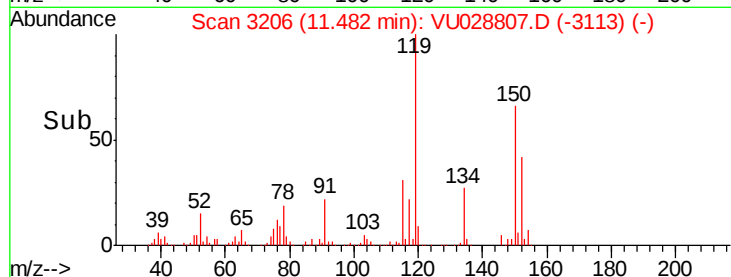
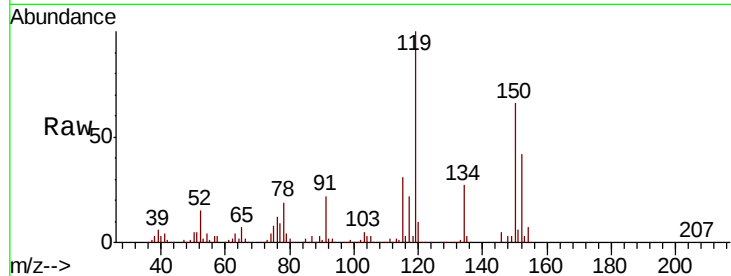
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion	Ratio	Lower	Upper
152	100		
115	82.1	42.7	128.1
150	175.5	0.0	346.0

Manual Integrations
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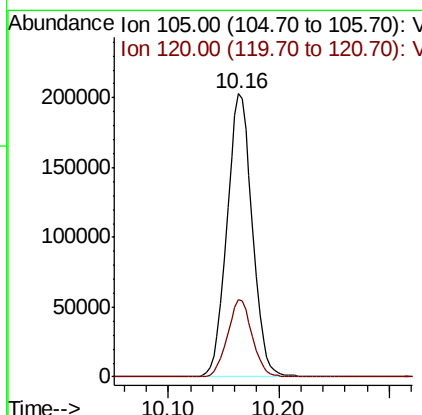
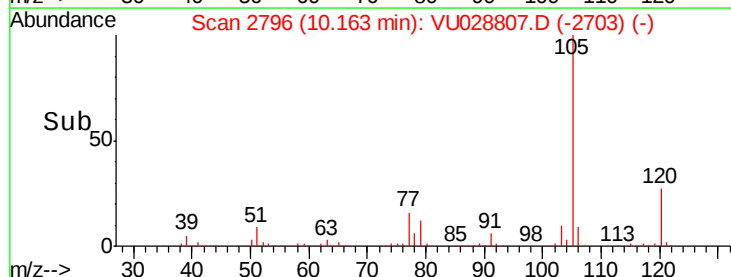
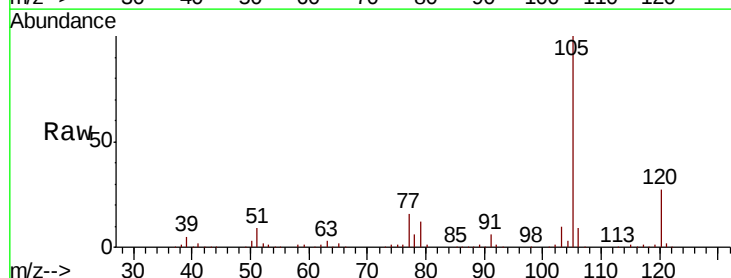
MMDadoda
12/20/2018 8:58:46 AM

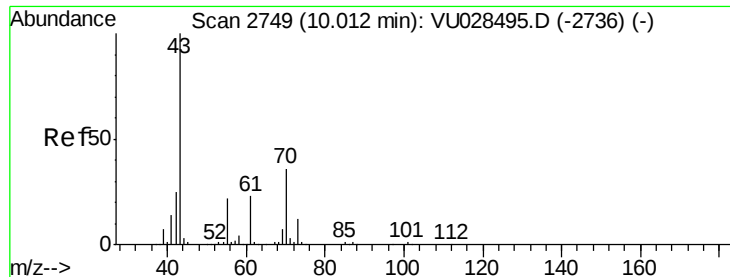


#73

Isopropylbenzene
Concen: 49.905 ug/l
RT: 10.16 min Scan# 2796
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	12.9	38.6





#74

N-amvl acetate

Concen: 41.115 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

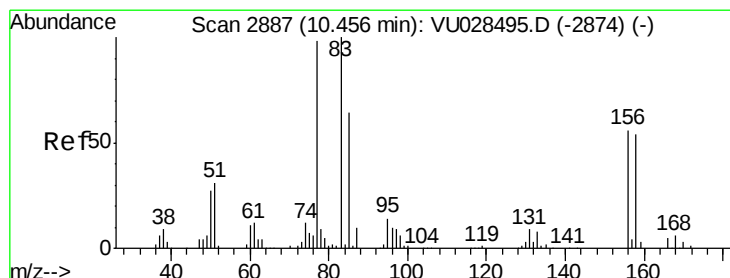
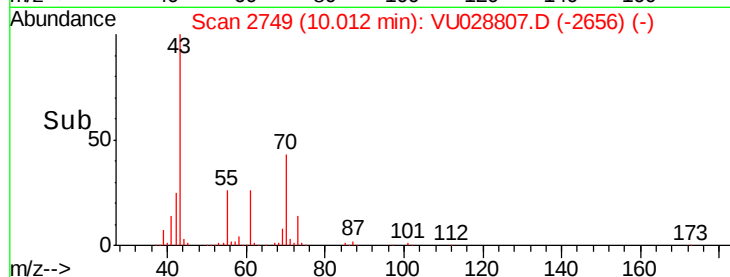
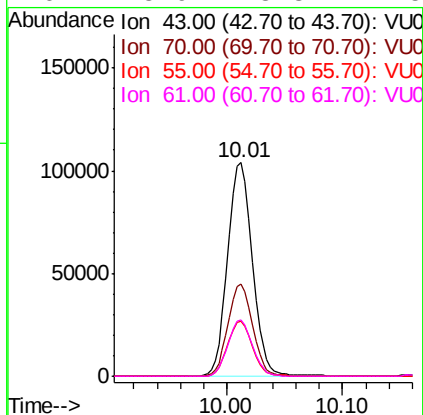
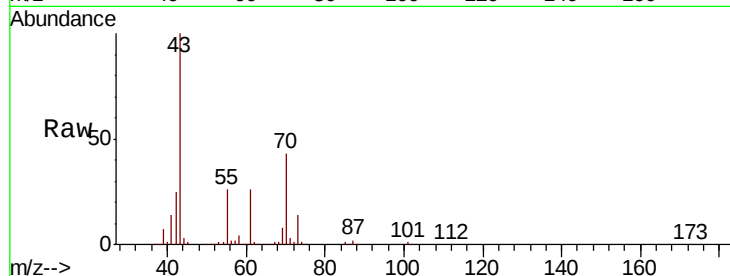
ClientSampleId :

S49-0492MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		153196		
70	43.0	29.3	43.9		
55	25.8	18.0	27.0		
61	25.9	18.3	27.5		

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#75

1,1,2,2-Tetrachloroethane

Concen: 52.896 ug/l

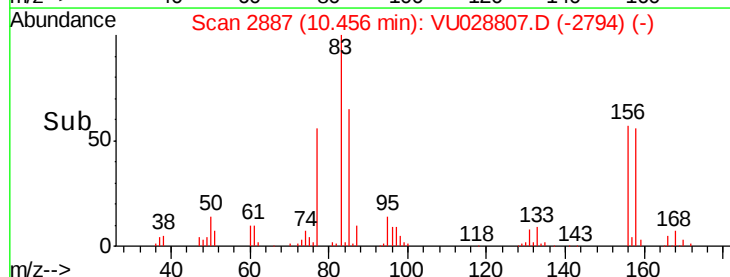
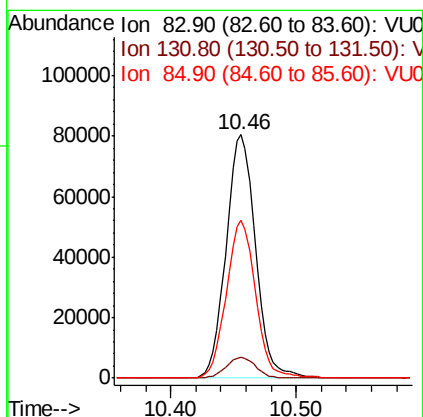
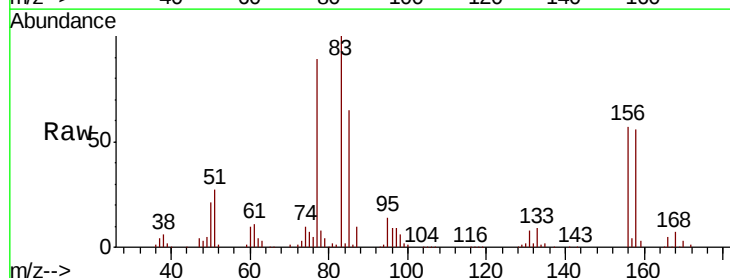
RT: 10.46 min Scan# 2887

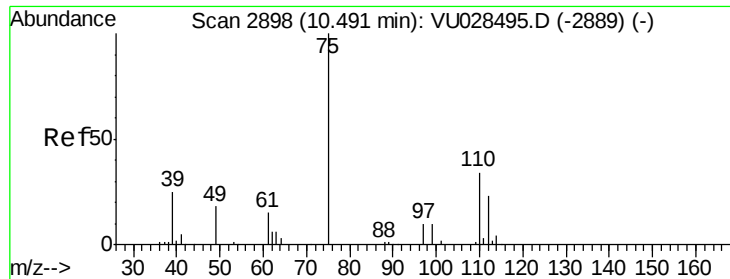
Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		131254		
131	8.5	4.2	12.4		
85	64.3	31.8	95.4		





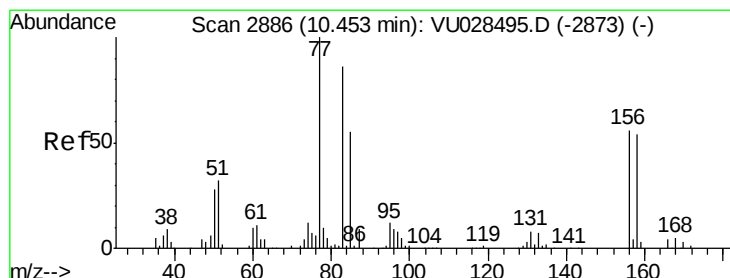
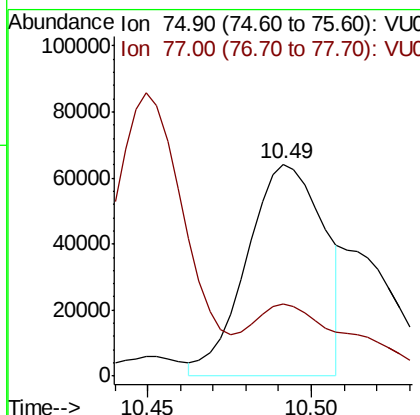
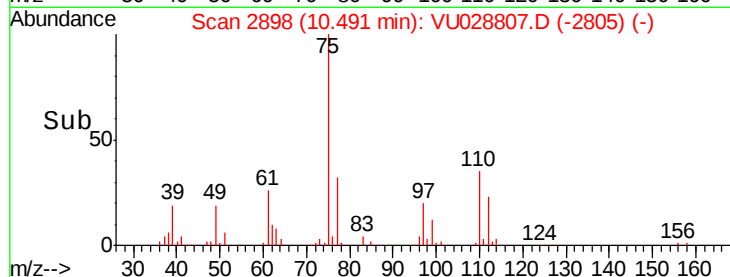
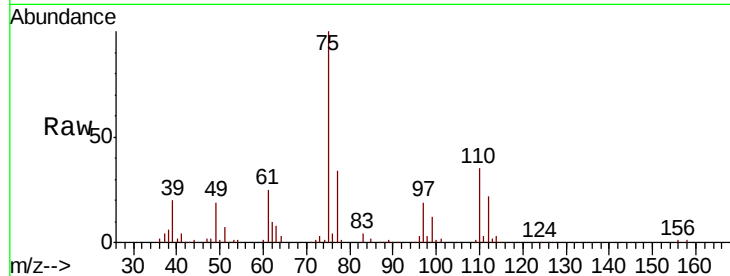
#76
 1,2,3-Trichloropropane
 Concen: 48.966 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

Tot Ion: 75 Resp: 105257
 Ion Ratio Lower Upper
 75 100
 77 46.1 20.8 62.4

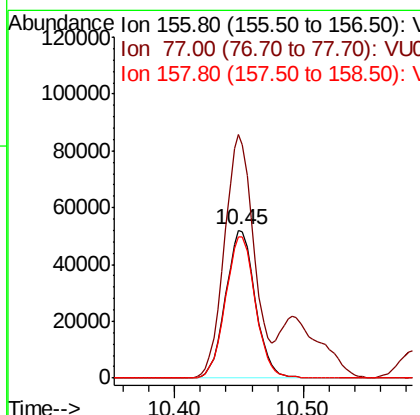
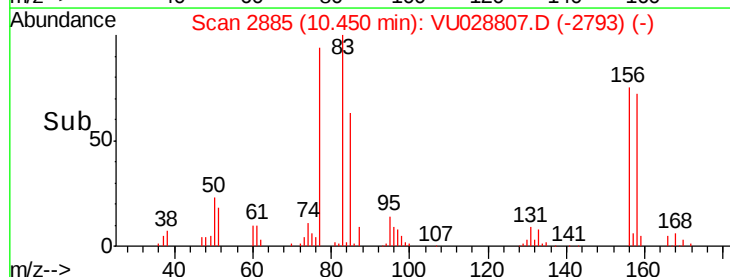
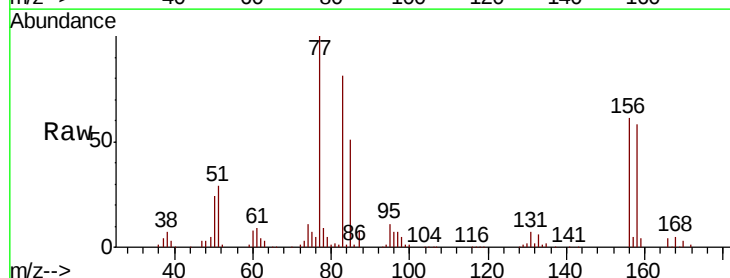
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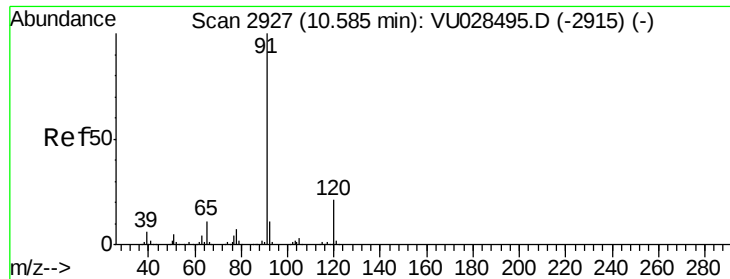
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#77
 Bromobenzene
 Concen: 54.870 ug/l
 RT: 10.45 min Scan# 2885
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Tgt Ion: 156 Resp: 82893
 Ion Ratio Lower Upper
 156 100
 77 163.5 92.4 277.2
 158 96.5 48.4 145.3





#78

n-propylbenzene

Concen: 48.596 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

Tot Ion: 91 Resp: 390056

Ion Ratio Lower Upper

91 100

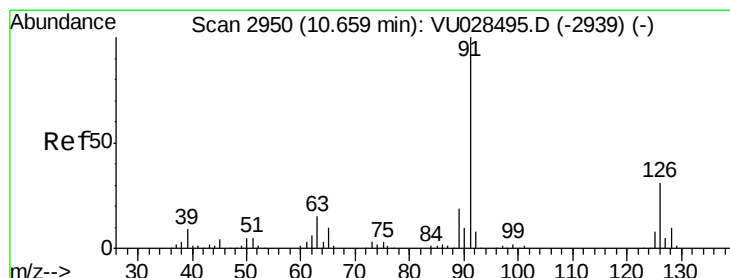
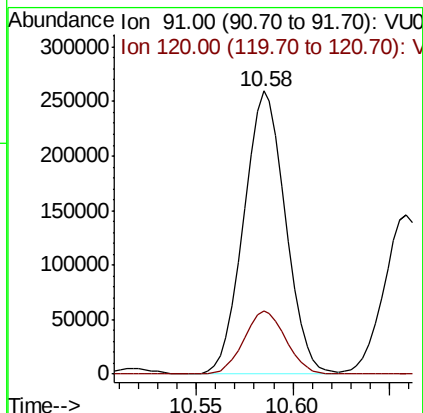
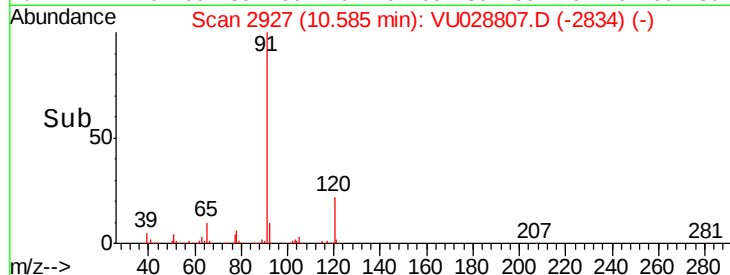
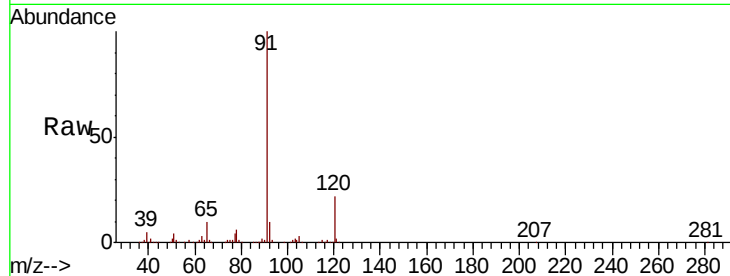
120 22.3 10.6 31.8

Manual Integrations

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#79

2-Chlorotoluene

Concen: 50.318 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028807.D

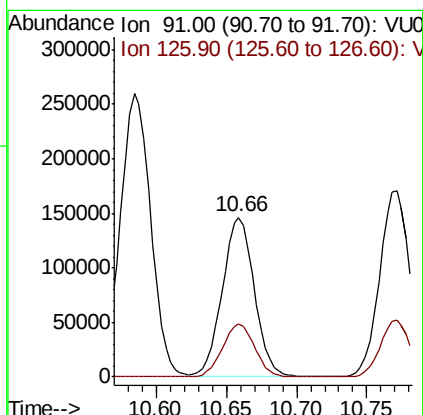
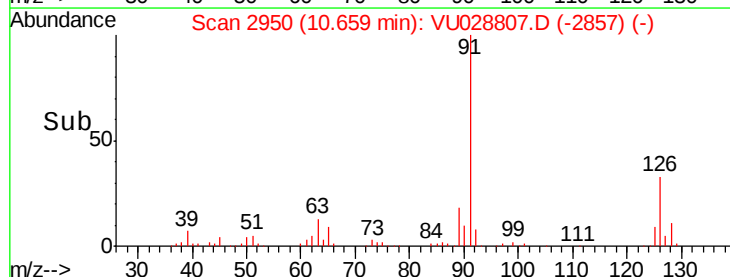
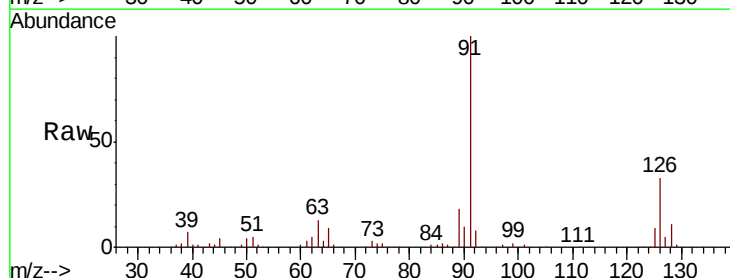
Acq: 19 Dec 2018 20:34

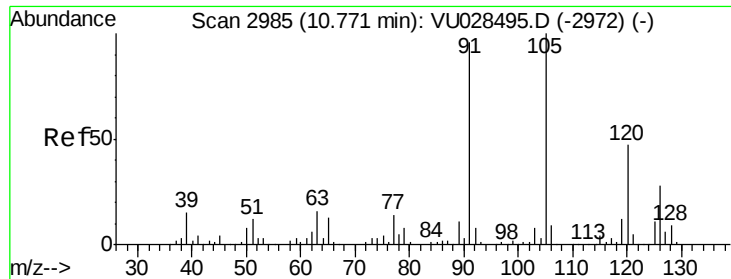
Tgt Ion: 91 Resp: 232646

Ion Ratio Lower Upper

91 100

126 33.3 15.6 46.8





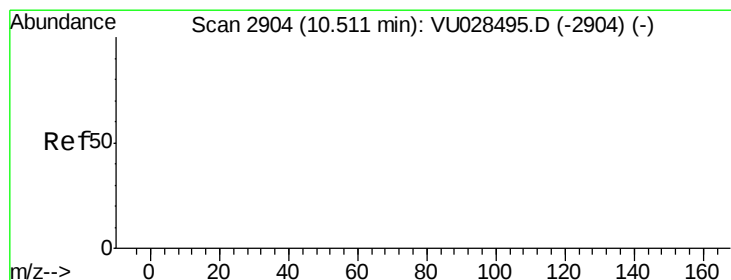
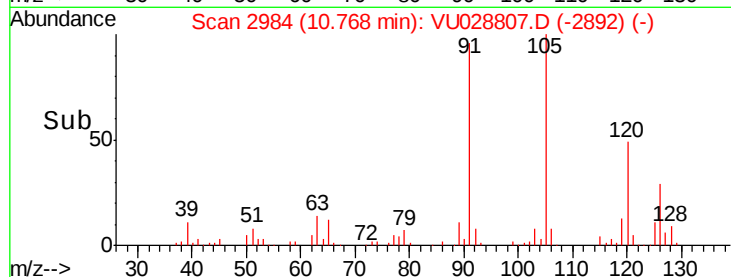
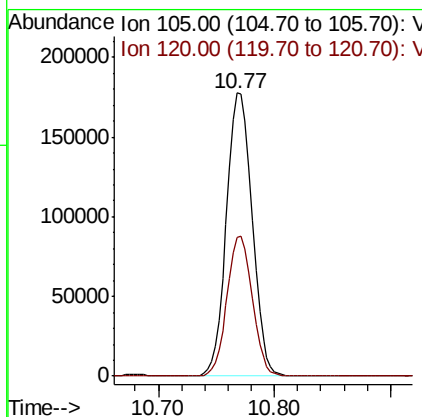
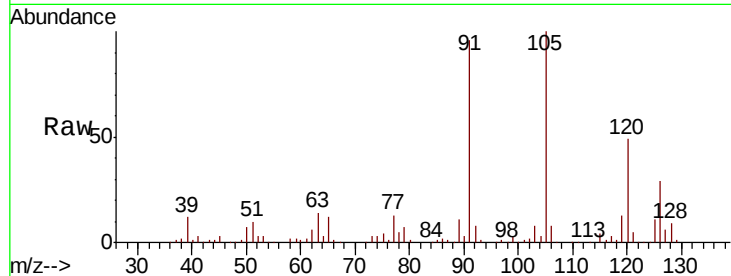
#80
 1,3,5-Trimethylbenzene
 Concen: 51.080 ug/l
 RT: 10.77 min Scan# 2984
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

Tot Ion: 105 Resp: 273124
 Ion Ratio Lower Upper
 105 100
 120 48.7 23.7 71.1

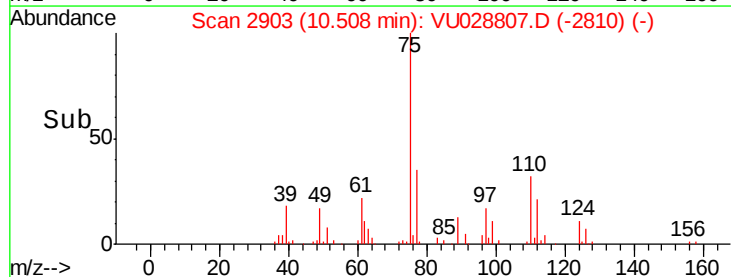
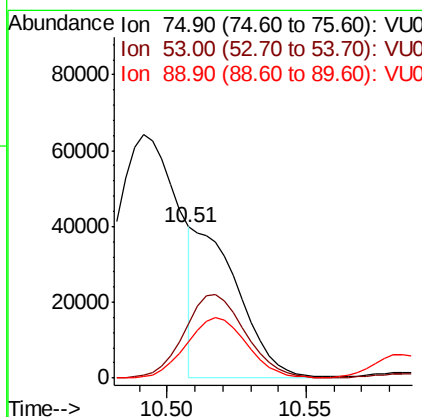
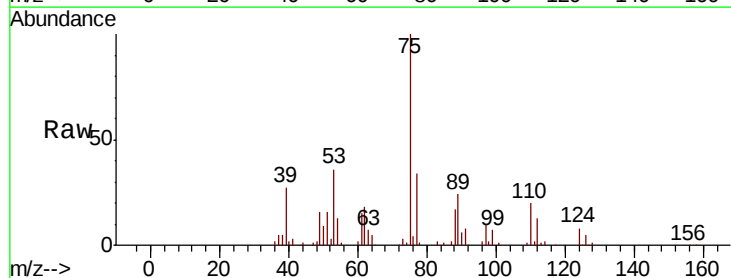
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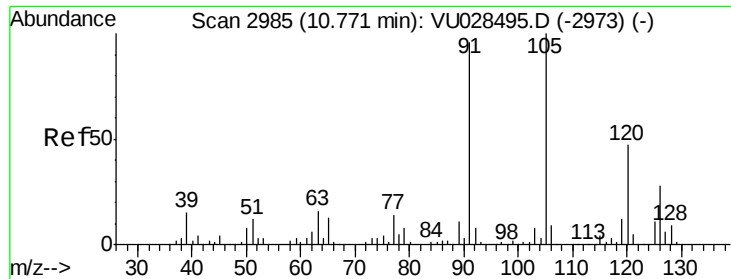
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.028 ug/l m
 RT: 10.51 min Scan# 2903
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Tgt Ion: 75 Resp: 44622
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





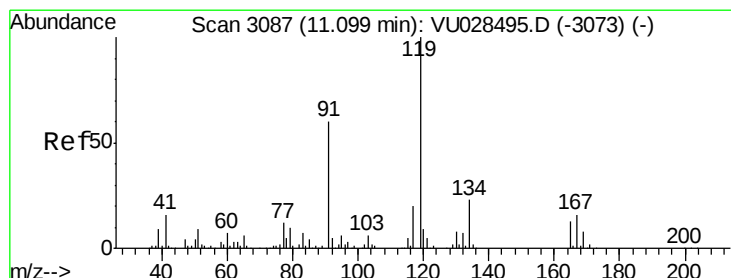
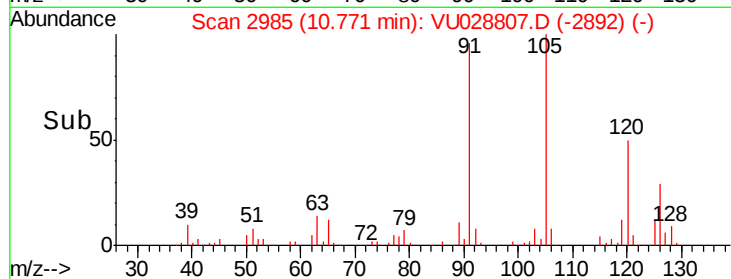
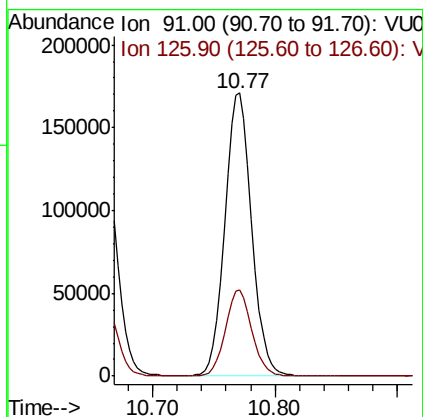
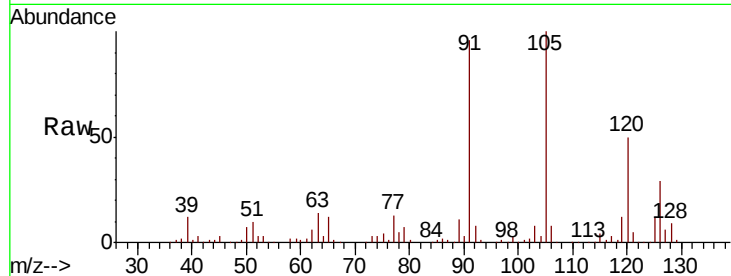
#82
4-Chlorotoluene
Concen: 47.890 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion: 91 Resp: 262384
Ion Ratio Lower Upper
91 100
126 30.1 14.1 42.3

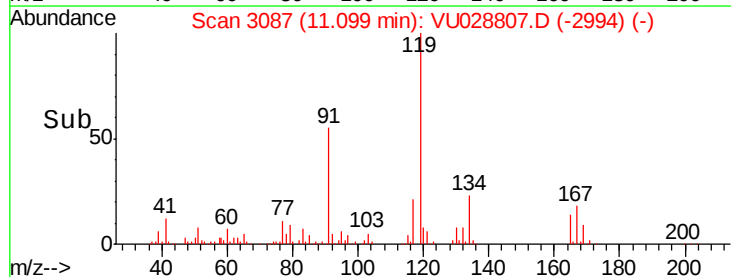
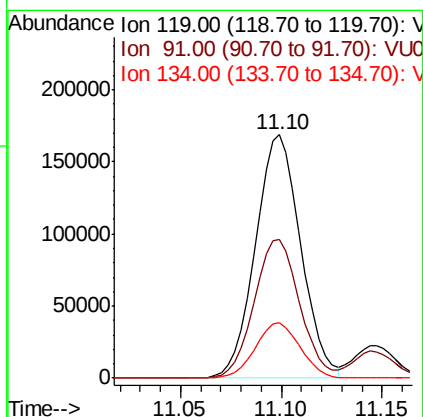
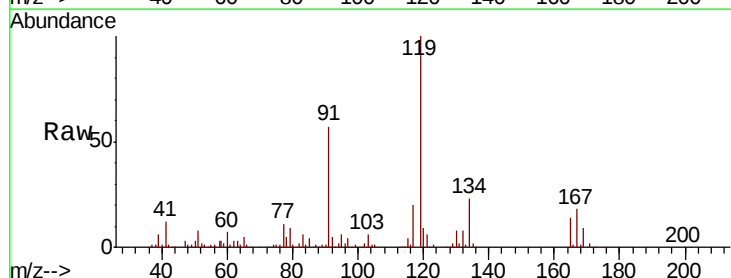
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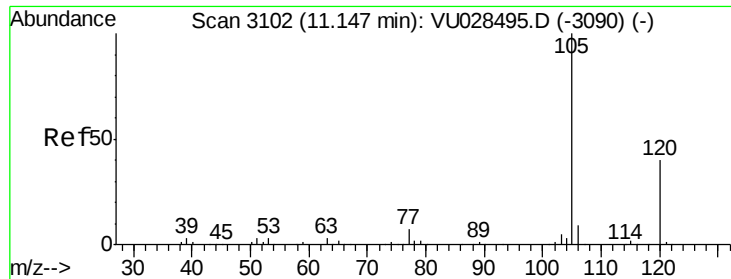
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#83
tert-Butylbenzene
Concen: 51.227 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion: 119 Resp: 264010
Ion Ratio Lower Upper
119 100
91 57.5 30.3 91.0
134 22.5 11.2 33.5





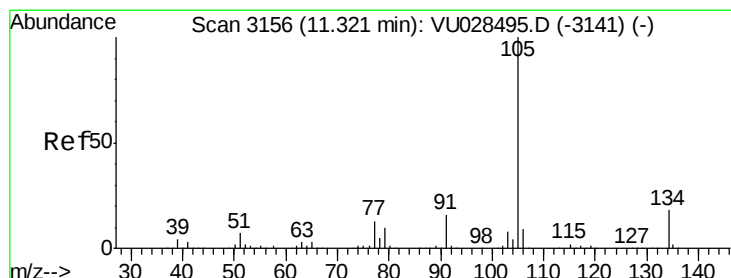
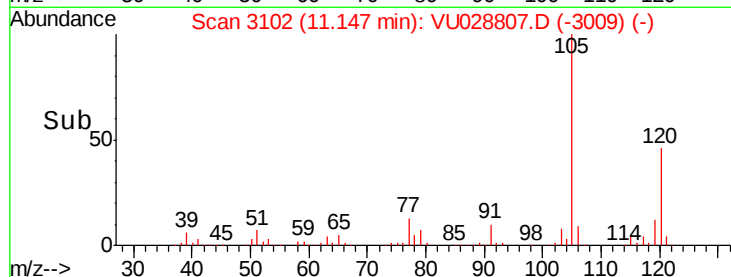
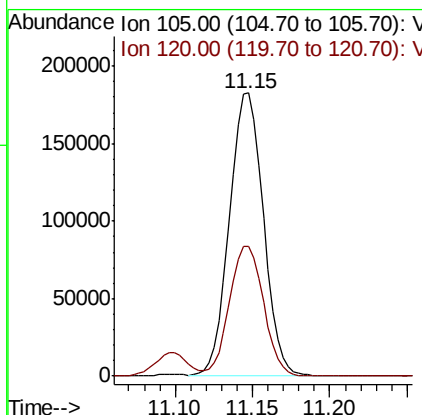
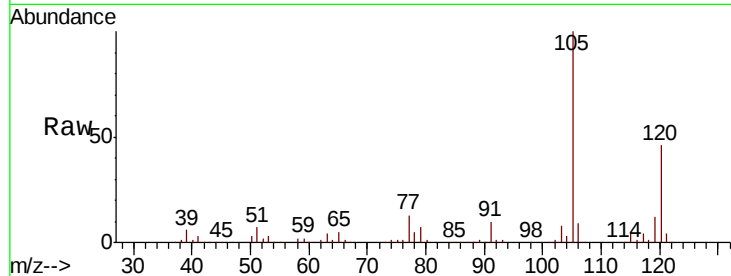
#84
 1,2,4-Trimethylbenzene
 Concen: 50.364 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.3	21.8	65.4

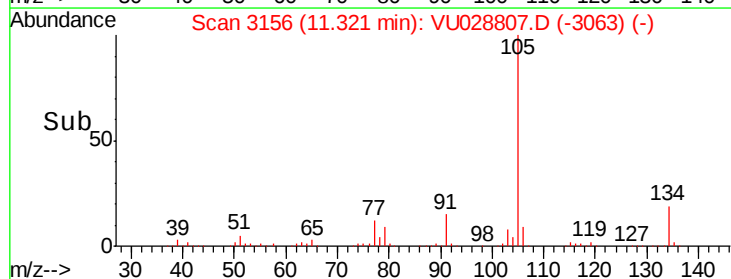
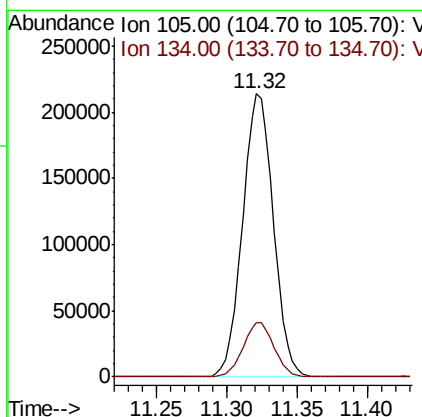
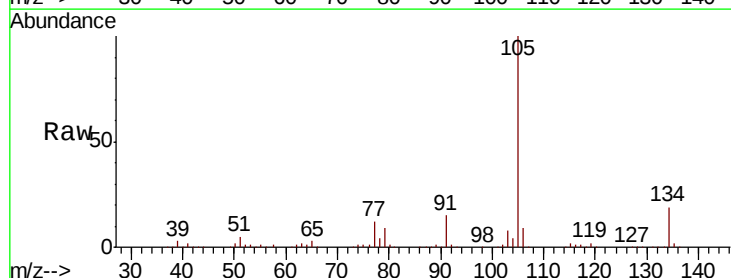
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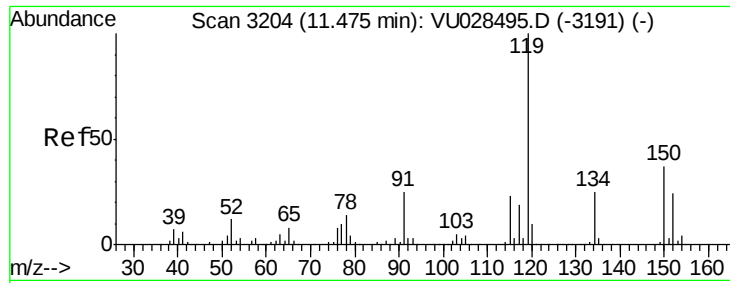
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#85
 sec-Butylbenzene
 Concen: 49.569 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.2	27.6





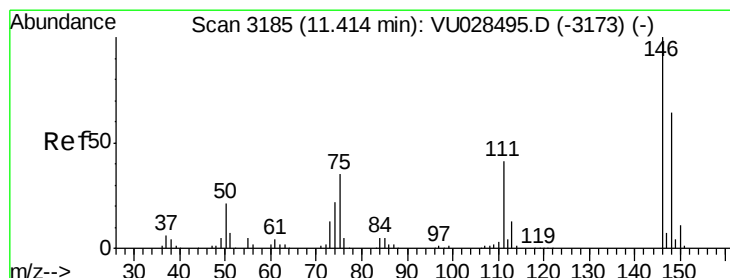
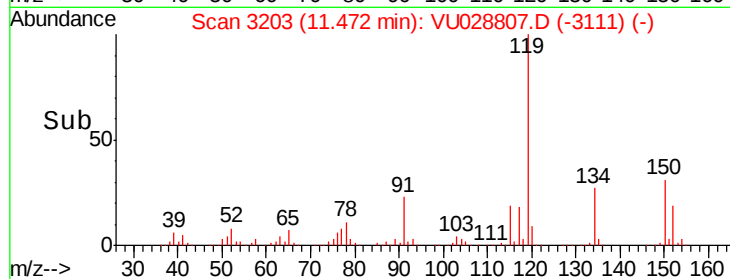
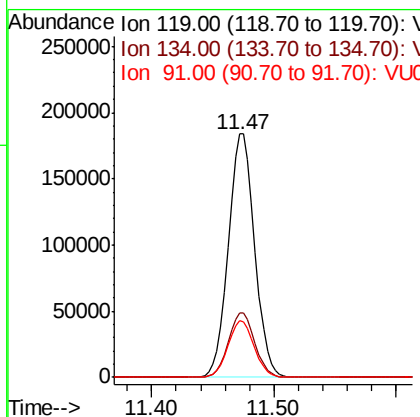
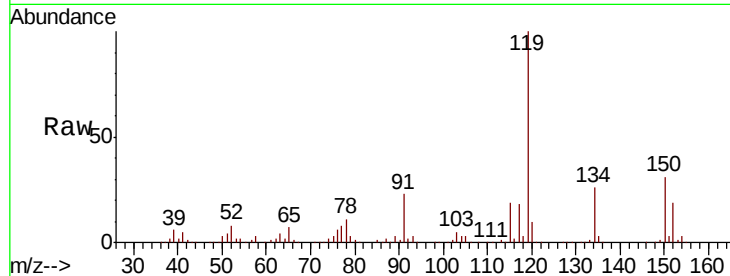
#86
p-Isopropyltoluene
Concen: 49.147 ug/l
RT: 11.47 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	12.7	38.1
91	23.3	12.6	37.6

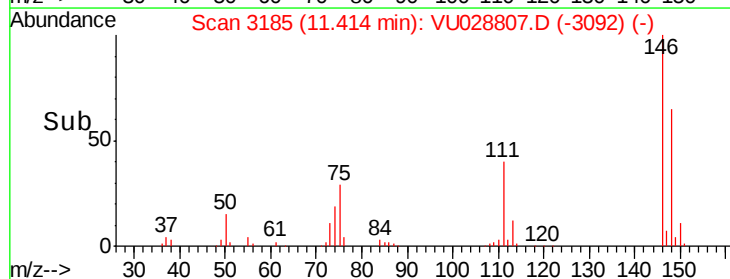
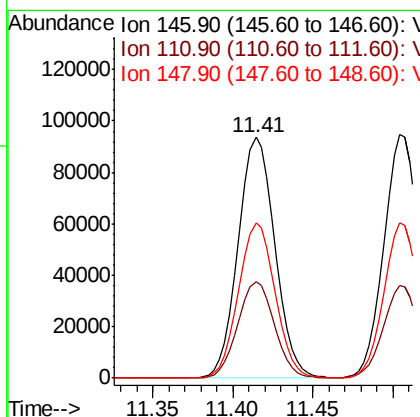
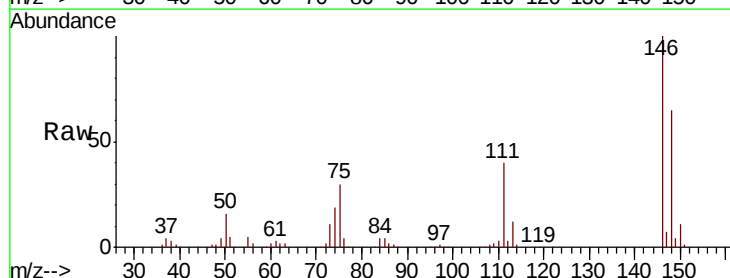
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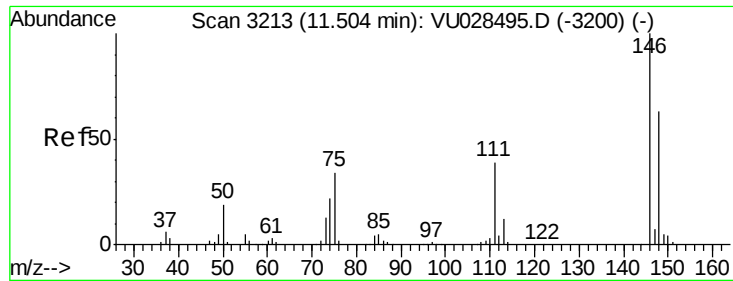
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#87
1,3-Dichlorobenzene
Concen: 51.340 ug/l
RT: 11.41 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.7	62.1
148	64.2	31.9	95.7





#88

1,4-Dichlorobenzene

Concen: 49.893 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

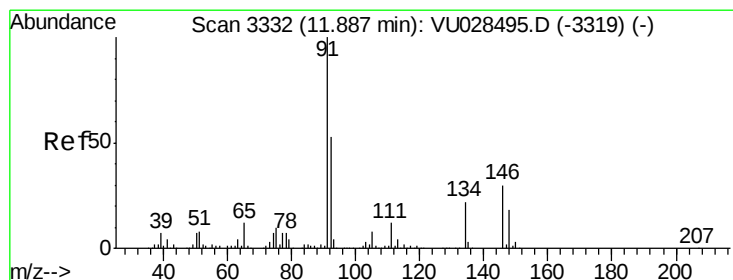
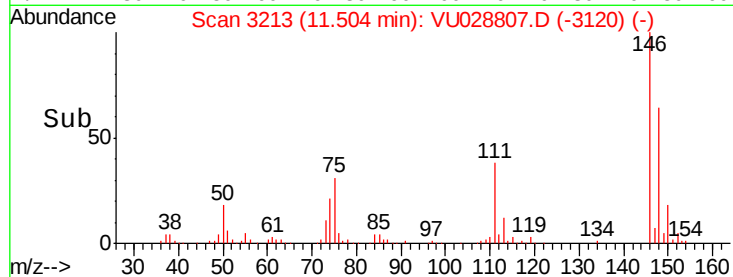
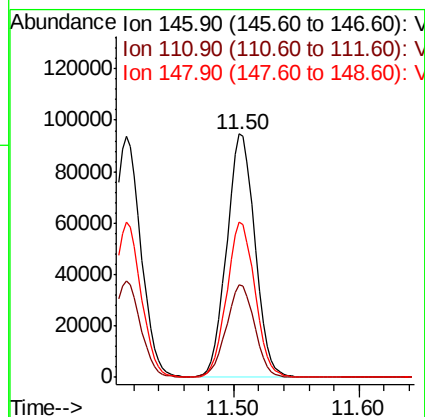
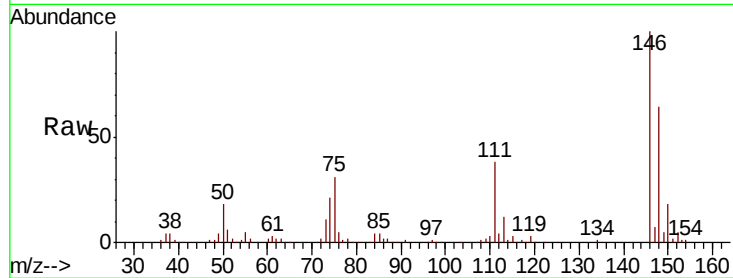
ClientSampleId :

S49-0492MSD

Tot Ion:	146	Resp:	147254
Ion Ratio	Lower	Upper	
146	100		
111	38.4	20.2	60.5
148	64.3	31.6	95.0

Manual Integrations
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#89

n-Butylbenzene

Concen: 44.763 ug/l

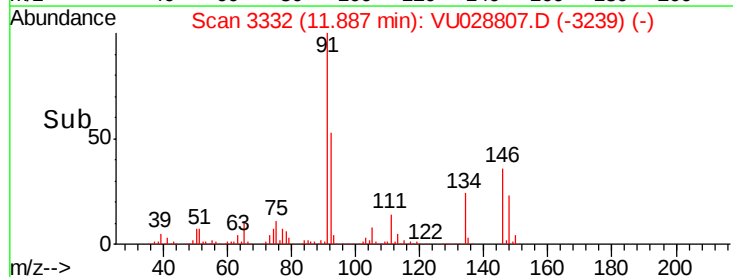
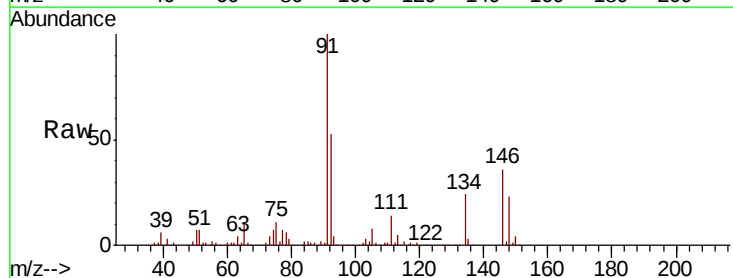
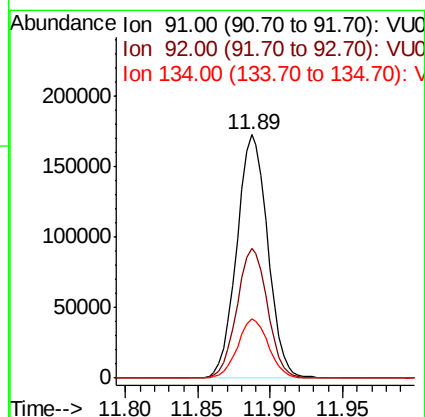
RT: 11.89 min Scan# 3332

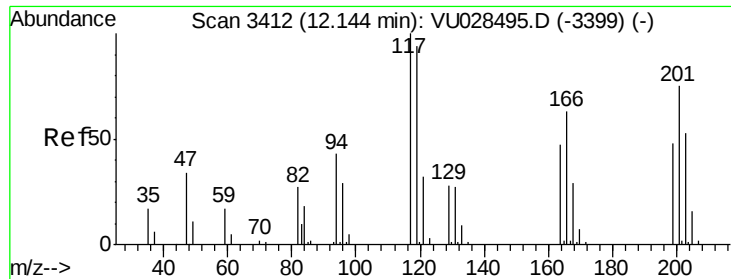
Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Tgt Ion:	91	Resp:	254791
Ion Ratio	Lower	Upper	
91	100		
92	53.0	26.3	78.9
134	24.2	11.3	33.8





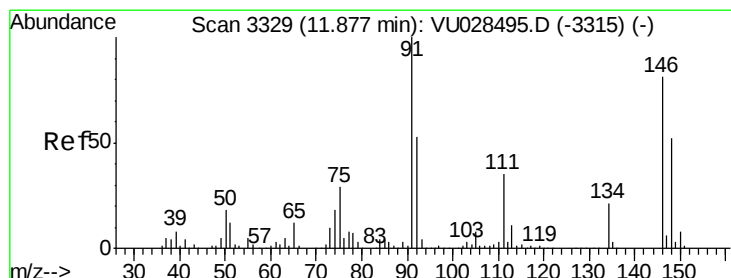
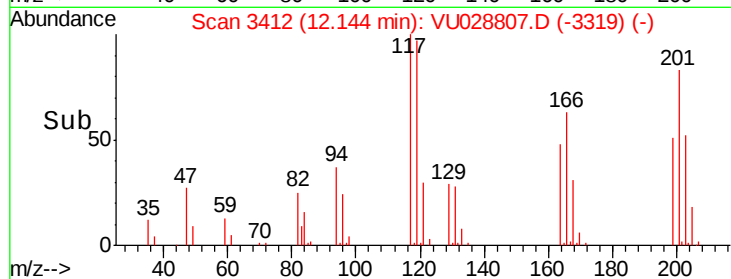
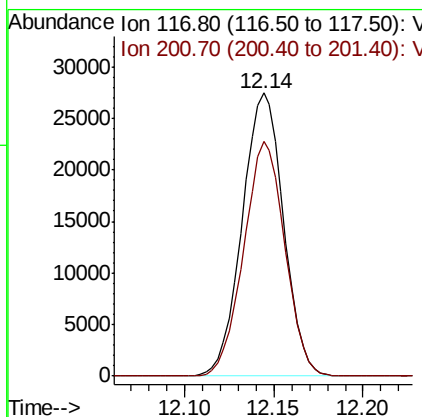
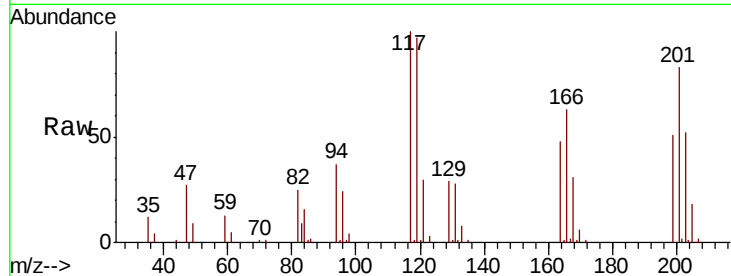
#90
Hexachloroethane
Concen: 52.043 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MSD

Tot Ion:117 Resp: 44241
Ion Ratio Lower Upper
117 100
201 82.7 38.1 114.5

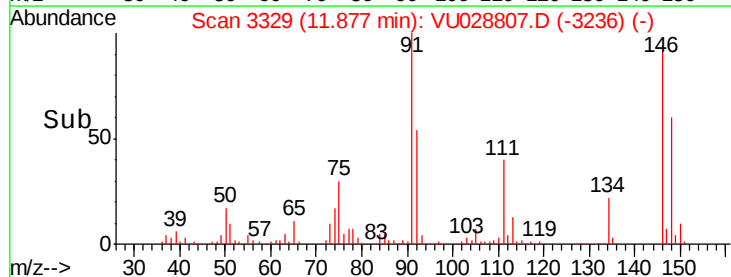
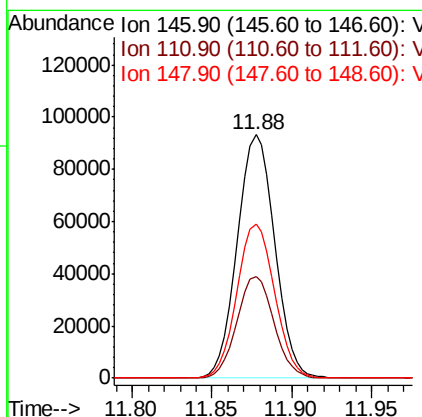
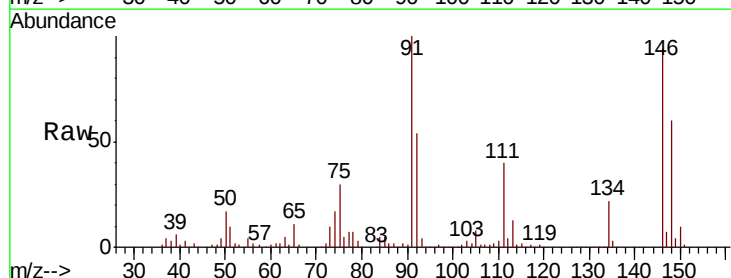
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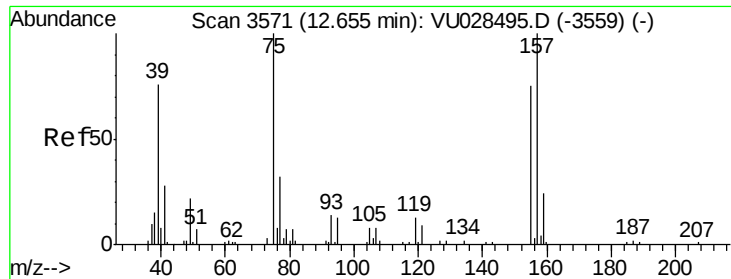
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12/20/2018 8:58:46 AM



#91
1,2-Dichlorobenzene
Concen: 52.182 ug/l
RT: 11.88 min Scan# 3329
Delta R.T. -0.00 min
Lab File: VU028807.D
Acq: 19 Dec 2018 20:34

Tgt Ion:146 Resp: 148898
Ion Ratio Lower Upper
146 100
111 41.2 21.1 63.4
148 63.8 31.4 94.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 49.714 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MSD

Tot Ion: 75 Resp: 26707

Ion Ratio Lower Upper

75 100

155 87.1 38.1 114.5

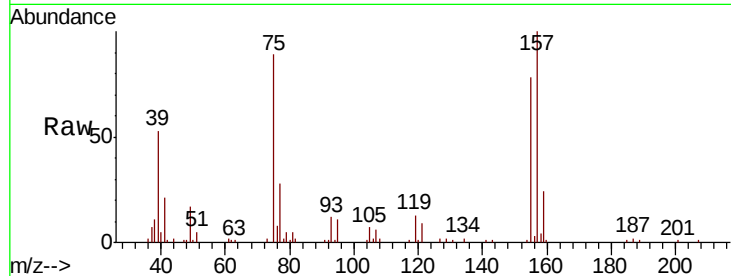
157 113.7 48.7 146.1

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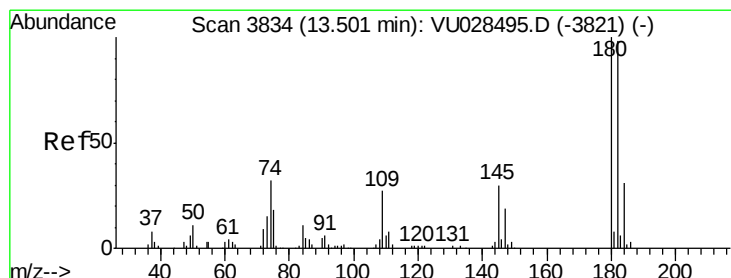
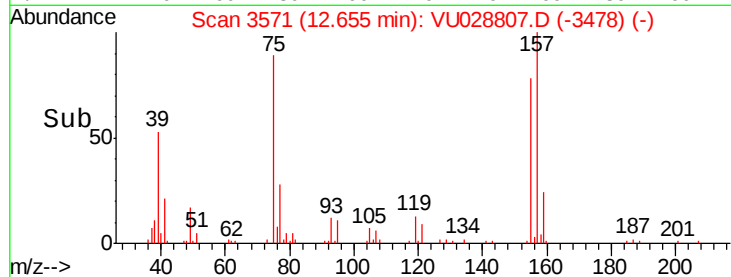
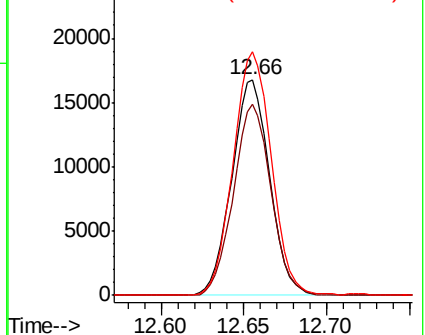
12/20/2018 8:58:46 AM



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 49.769 ug/l

RT: 13.50 min Scan# 3834

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

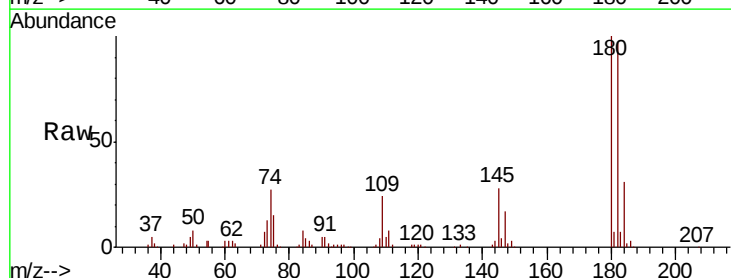
Tgt Ion: 180 Resp: 97578

Ion Ratio Lower Upper

180 100

182 96.2 47.9 143.8

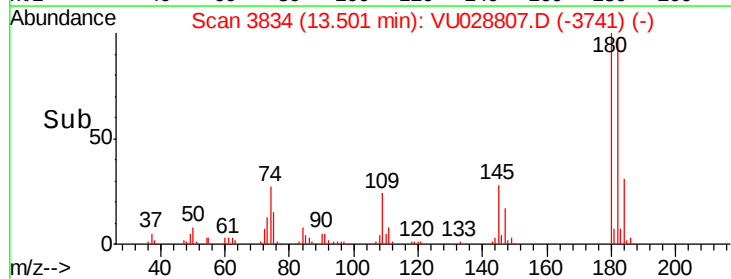
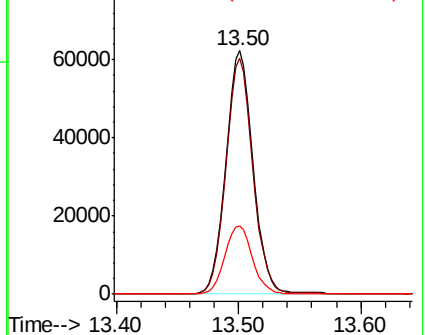
145 28.6 15.0 45.1

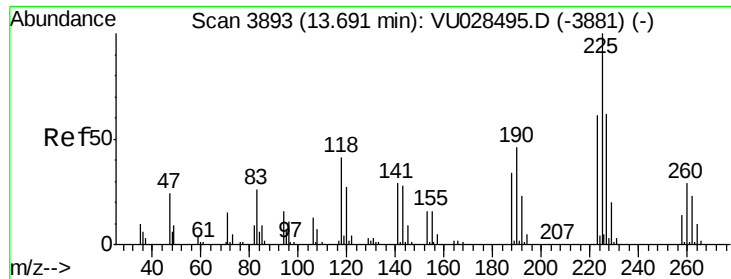


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 45.368 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Instrument :

MSVOA_U

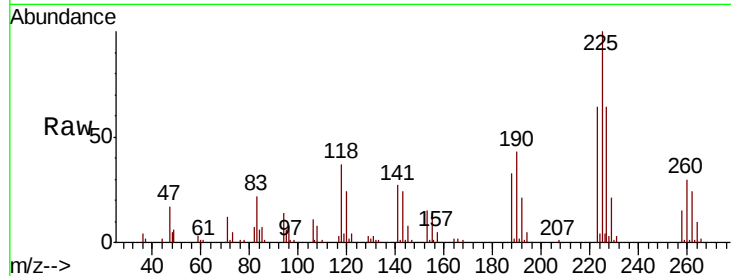
ClientSampleId :

S49-0492MSD

Tot Ion:	225	Resp:	42405
Ion Ratio		Lower	Upper
225	100		
223	64.1	30.4	91.2
227	63.9	30.7	92.1

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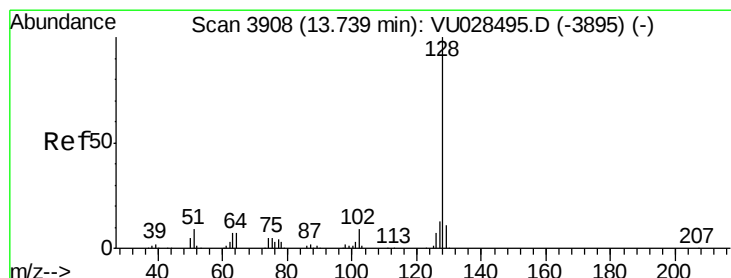
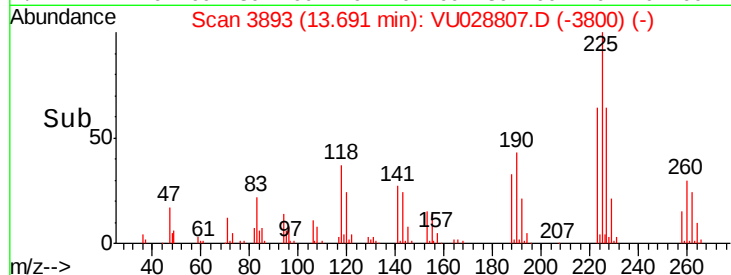
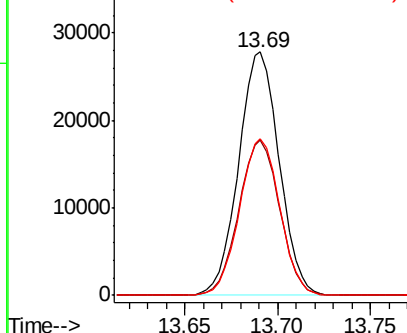


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 50.157 ug/l

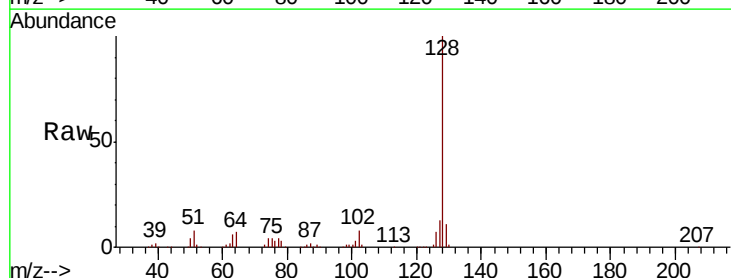
RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028807.D

Acq: 19 Dec 2018 20:34

Tgt Ion:	128	Resp:	343431
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.6	8.6	13.0

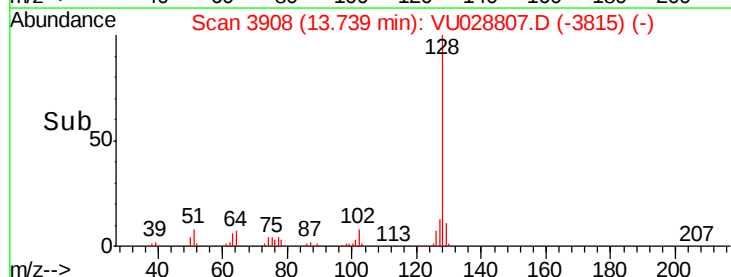
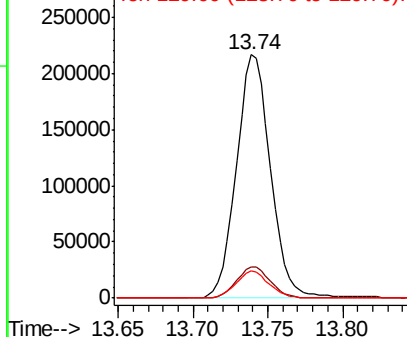


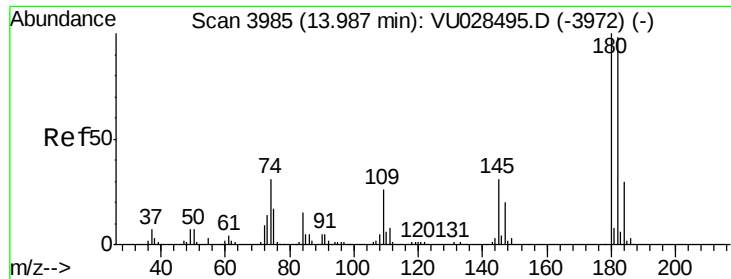
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 52.450 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU028807.D
 Acq: 19 Dec 2018 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MSD

Tot Ion:	180	Resp:	102369
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.2	144.6
145	30.2	15.8	47.3

Manual Integrations
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