

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121918\
 Data File : VU028806.D
 Acq On : 19 Dec 2018 20:10
 Operator : MD/SY
 Sample : J6474-02MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MS

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 8:58:42 AM

Quant Time: Dec 20 06:44:23 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	104534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	177613	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	167552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	84373	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	73003	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
35) Dibromofluoromethane	4.88	113	60589	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	
50) Toluene-d8	7.56	98	239087	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
62) 4-Bromofluorobenzene	10.30	95	85302	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	65929	47.054	ug/l	97
3) Chloromethane	1.33	50	107712	41.814	ug/l	99
4) Vinyl Chloride	1.40	62	280566	150.924	ug/l	98
5) Bromomethane	1.61	94	42872	57.251	ug/l	100
6) Chloroethane	1.69	64	53619	50.948	ug/l	97
7) Trichlorofluoromethane	1.88	101	94638	48.387	ug/l	99
8) Diethyl Ether	2.10	74	46531	50.850	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.28	101	61064	52.203	ug/l	98
10) Methyl Iodide	2.41	142	64837	70.641	ug/l	96
11) Tert butyl alcohol	2.83	59	81357	228.906	ug/l	99
12) 1,1-Dichloroethene	2.28	96	62391	53.607	ug/l	88
13) Acrolein	2.19	56	64150	226.410	ug/l	100
14) Allyl chloride	2.59	41	111194	40.385	ug/l #	94
15) Acrylonitrile	2.93	53	245813	249.114	ug/l	98
16) Acetone	2.32	43	182853	175.655	ug/l	94
17) Carbon Disulfide	2.48	76	202331	48.256	ug/l	100
18) Methyl Acetate	2.61	43	125807	46.621	ug/l	94
19) Methyl tert-butyl Ether	3.00	73	215691	48.886	ug/l	99
20) Methylene Chloride	2.70	84	76491	49.846	ug/l	90
21) trans-1,2-Dichloroethene	2.98	96	119846	91.457	ug/l	92
22) Diisopropyl ether	3.57	45	243022	45.388	ug/l	96
23) Vinyl Acetate	3.52	43	944599	213.883	ug/l	96
24) 1,1-Dichloroethane	3.44	63	135761	48.439	ug/l	99
25) 2-Butanone	4.26	43	304979	214.381	ug/l	93
26) 2,2-Dichloropropane	4.22	77	95321	42.922	ug/l #	34
27) cis-1,2-Dichloroethene	4.22	96	880320	593.530	ug/l	82
28) Bromochloromethane	4.55	49	57662	45.256	ug/l	86
29) Tetrahydrofuran	4.63	42	208583	228.296	ug/l	91
30) Chloroform	4.67	83	123063	50.379	ug/l	97
31) Cyclohexane	4.99	56	128747	47.001	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	98154	48.381	ug/l	98
36) 1,1-Dichloropropene	5.13	75	94135	48.433	ug/l	96
37) Ethyl Acetate	4.38	43	112726	44.866	ug/l #	78
38) Carbon Tetrachloride	5.13	117	77975	49.775	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	118612	50.023	ug/l	93
40) Benzene	5.39	78	305226	53.321	ug/l	98
41) Methacrylonitrile	4.54	41	63986	46.503	ug/l	92
42) 1,2-Dichloroethane	5.40	62	96346	48.084	ug/l	97
43) Isopropyl Acetate	5.55	43	177827	44.748	ug/l #	94
44) Trichloroethene	6.19	130	1234542	969.948	ug/l	91
45) 1,2-Dichloropropane	6.43	63	82702	51.377	ug/l	96
46) Dibromomethane	6.56	93	50988	53.385	ug/l	94
47) Bromodichloromethane	6.76	83	94124	50.643	ug/l	99
48) Methyl methacrylate	6.62	41	90185	45.634	ug/l	90
49) 1,4-Dioxane	6.61	88	32912	1054.706	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	582365	232.346	ug/l	94
52) Toluene	7.64	92	185944	55.195	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	109523	49.479	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	118273	49.249	ug/l	91
55) 1,1,2-Trichloroethane	8.06	97	73914	55.504	ug/l	99
56) Ethyl methacrylate	8.02	69	117524	51.535	ug/l	89
57) 1,3-Dichloropropane	8.24	76	129077	52.215	ug/l	99
59) 2-Hexanone	8.36	43	446311	224.657	ug/l	92
60) Dibromochloromethane	8.48	129	68665	52.665	ug/l	100
61) 1,2-Dibromoethane	8.58	107	77571	55.547	ug/l	98
64) Tetrachloroethene	8.22	164	71083	63.603	ug/l	98
65) Chlorobenzene	9.12	112	190913	53.471	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	63698	55.869	ug/l	99
67) Ethyl Benzene	9.25	91	339883	51.784	ug/l	100
68) m/p-Xylenes	9.37	106	258288	108.148	ug/l	97
69) o-Xylene	9.78	106	126622	54.557	ug/l	95
70) Stvrene	9.79	104	209139	54.450	ug/l	96
71) Bromoform	9.96	173	55436	57.156	ug/l #	99
73) Isopropylbenzene	10.16	105	326422	50.419	ug/l	98
74) N-amyl acetate	10.01	43	153738	41.167	ug/l	92
75) 1,1,2,2-Tetrachloroethane	10.46	83	131185	52.747	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	112052m	52.009	ug/l	
77) Bromobenzene	10.45	156	80930	53.449	ug/l	91
78) n-propylbenzene	10.58	91	392929	48.842	ug/l	98
79) 2-Chlorotoluene	10.66	91	232489	50.170	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	274309	51.185	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	38524m	44.027	ug/l	
82) 4-Chlorotoluene	10.77	91	264722	48.207	ug/l	97
83) tert-Butylbenzene	11.10	119	264142	51.136	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	280392	50.767	ug/l	97
85) sec-Butylbenzene	11.32	105	327120	49.295	ug/l	97
86) p-Isopropyltoluene	11.47	119	280010	49.673	ug/l	97
87) 1,3-Dichlorobenzene	11.42	146	147684	51.653	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	148861	50.323	ug/l	99
89) n-Butylbenzene	11.89	91	256851	45.022	ug/l	98
90) Hexachloroethane	12.14	117	43870	51.489	ug/l	92
91) 1,2-Dichlorobenzene	11.88	146	149007	52.102	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.65	75	27126	50.379	ug/l	88
93) 1,2,4-Trichlorobenzene	13.50	180	96933	49.335	ug/l	99

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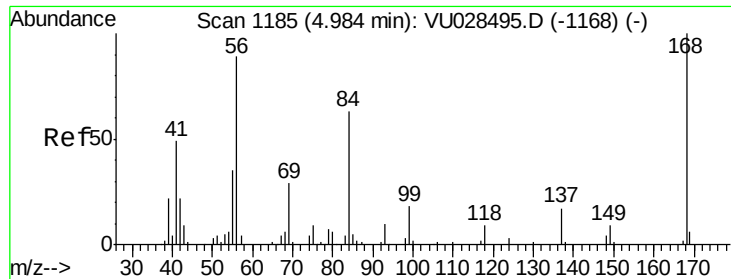
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	43124	46.032	ug/l	97
95) Naphthalene	13.74	128	337915	49.239	ug/l	100
96) 1,2,3-Trichlorobenzene	13.98	180	100153	51.202	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MS

Tot Ion:168 Resp: 104534

Ion Ratio Lower Upper

168 100

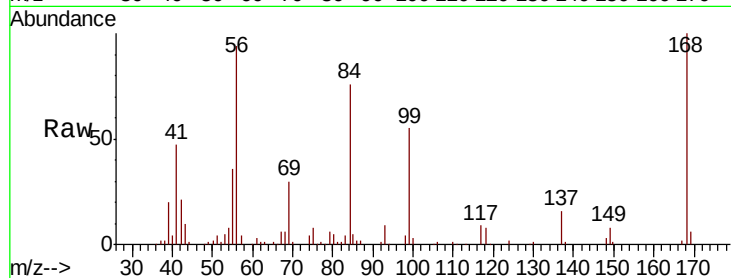
99 54.3 46.6 69.8

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

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

4.98

50000

40000

30000

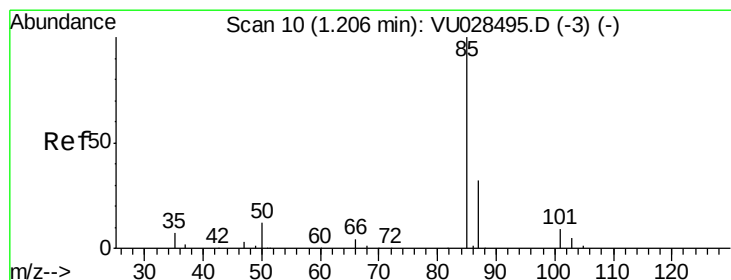
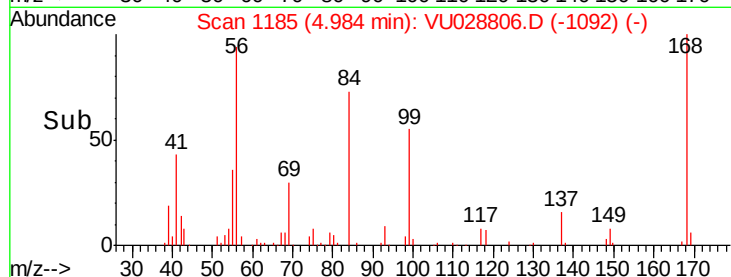
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.054 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028806.D

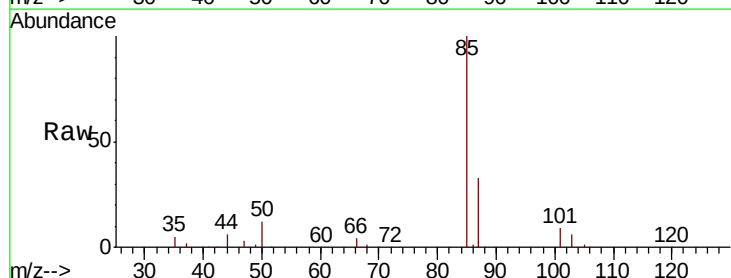
Acq: 19 Dec 2018 20:10

Tgt Ion: 85 Resp: 65929

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.6



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

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

1.21

60000

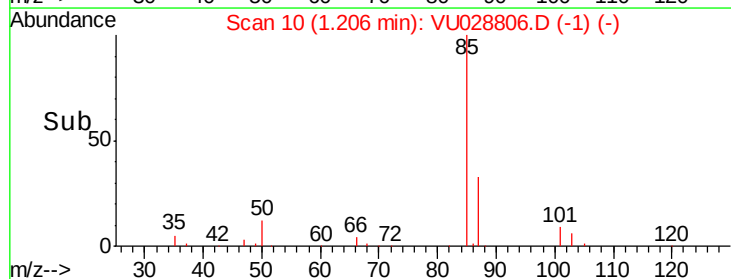
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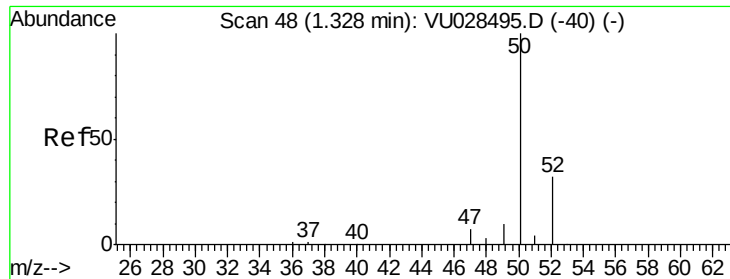
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 41.814 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MS

Tot Ion: 50 Resp: 107712

Ion Ratio Lower Upper

50 100

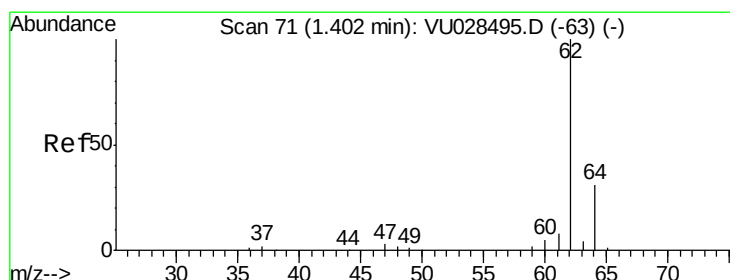
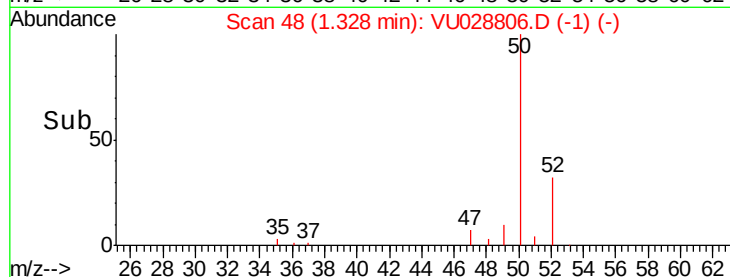
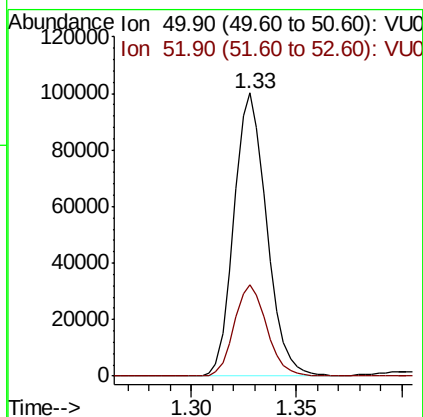
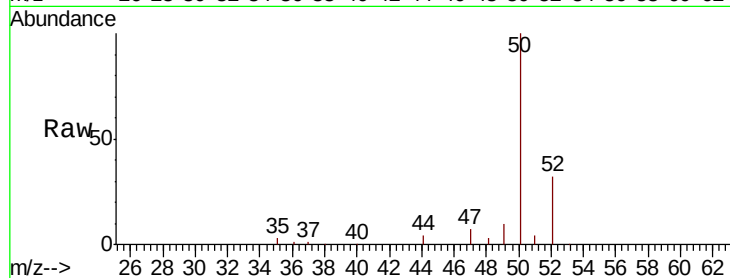
52 32.4 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 150.924 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028806.D

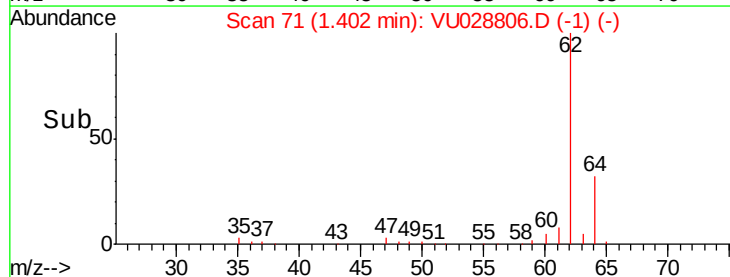
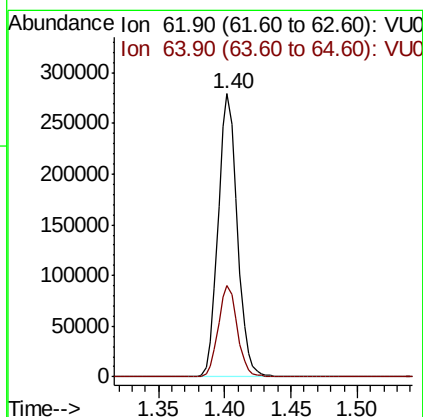
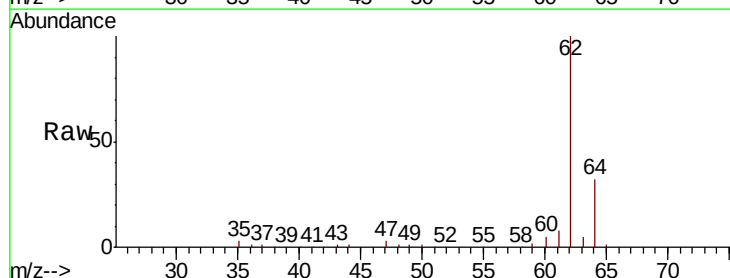
Acq: 19 Dec 2018 20:10

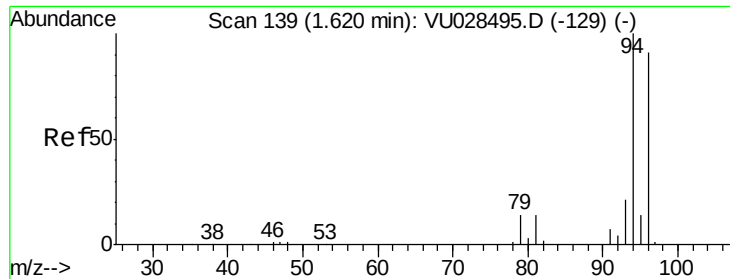
Tgt Ion: 62 Resp: 280566

Ion Ratio Lower Upper

62 100

64 32.5 25.1 37.7





#5

Bromomethane

Concen: 57.251 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MS

Tot Ion: 94 Resp: 42872

Ion Ratio Lower Upper

94 100

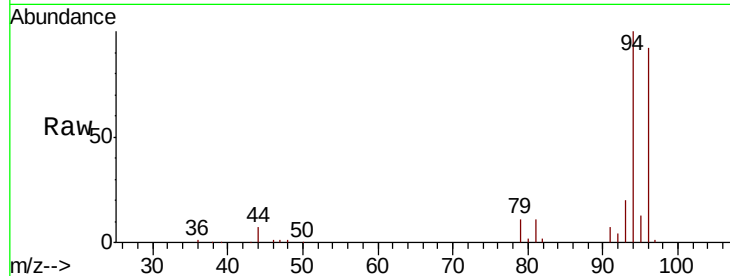
96 91.8 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.61

40000

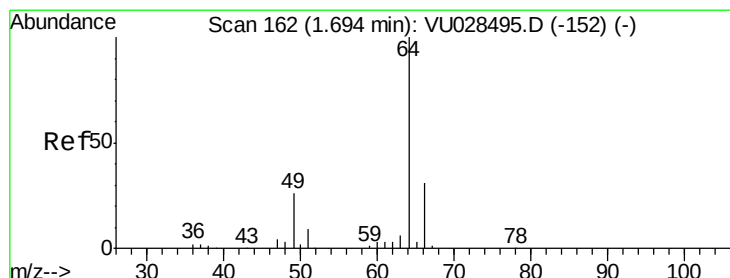
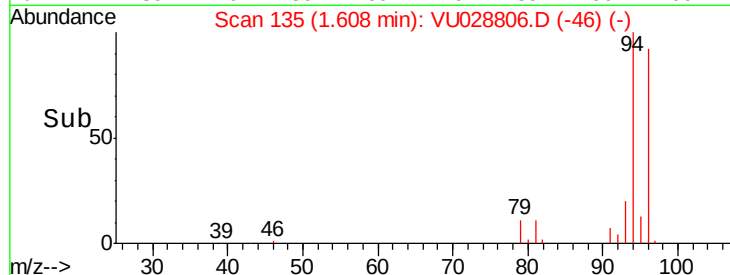
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 50.948 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU028806.D

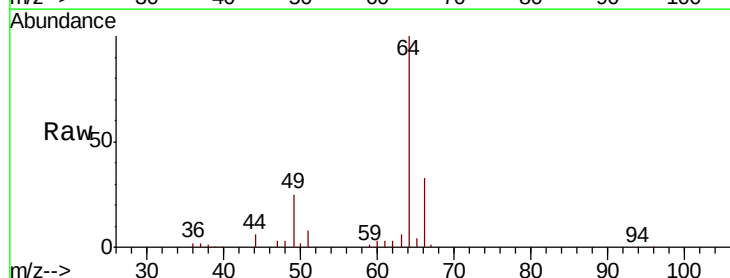
Acq: 19 Dec 2018 20:10

Tgt Ion: 64 Resp: 53619

Ion Ratio Lower Upper

64 100

66 32.7 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

40000

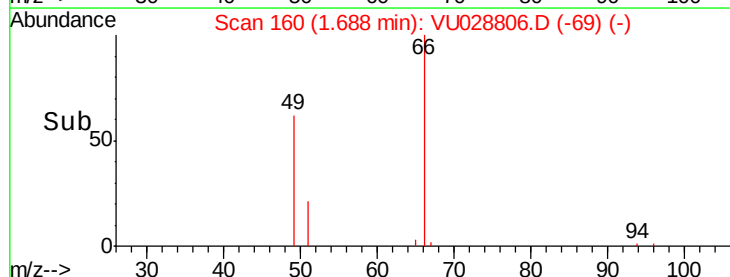
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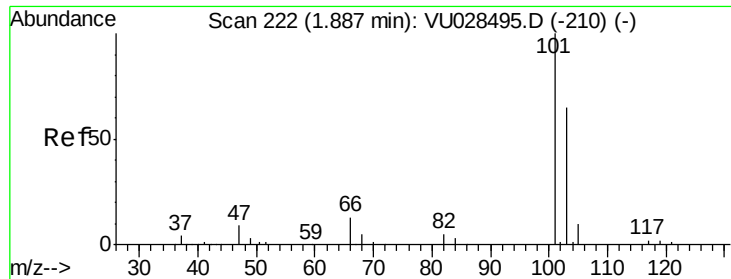
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10000

0

Time-->





#7

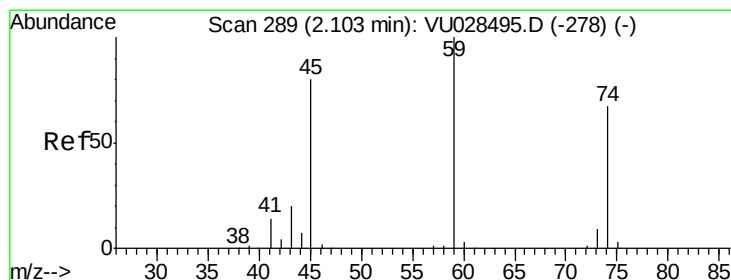
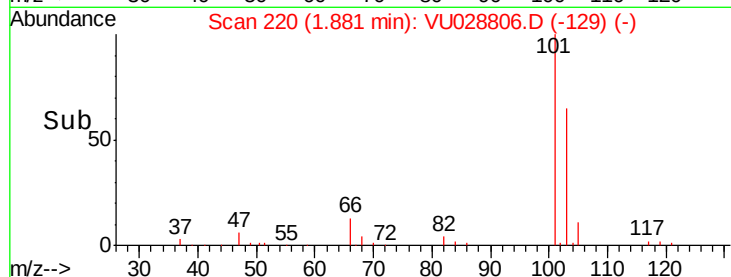
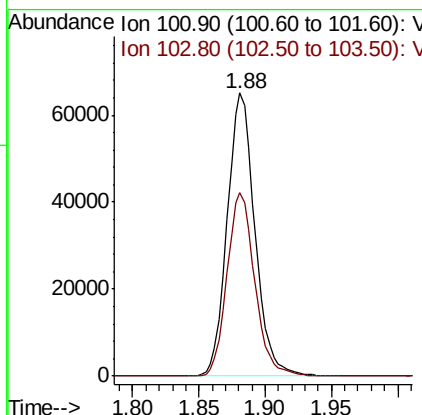
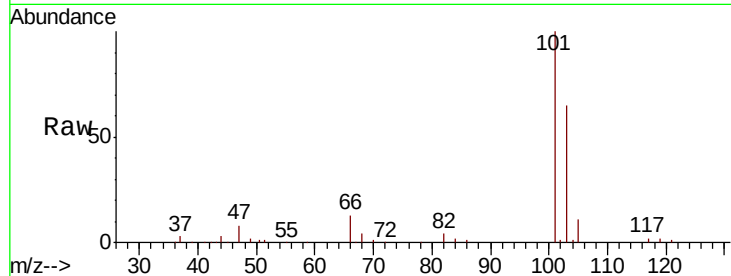
Trichlorofluoromethane
Concen: 48.387 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

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ClientSampleId :
S49-0492MS

Tot Ion:101 Resp: 94638
Ion Ratio Lower Upper
101 100
103 64.8 52.3 78.5

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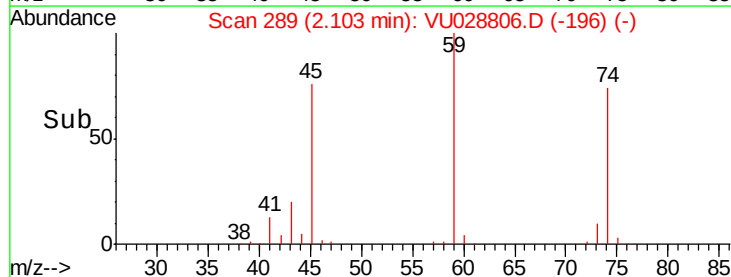
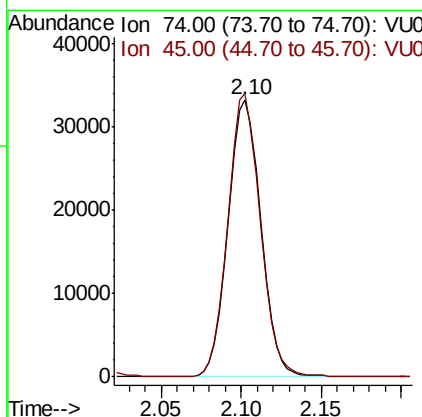
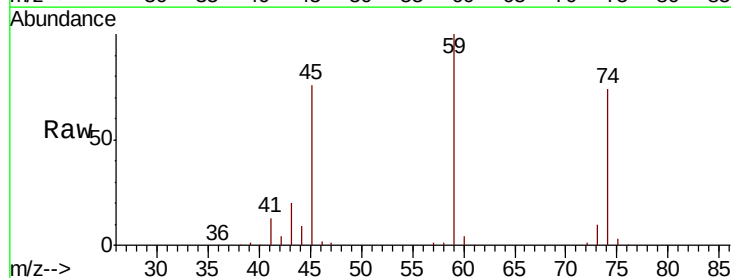
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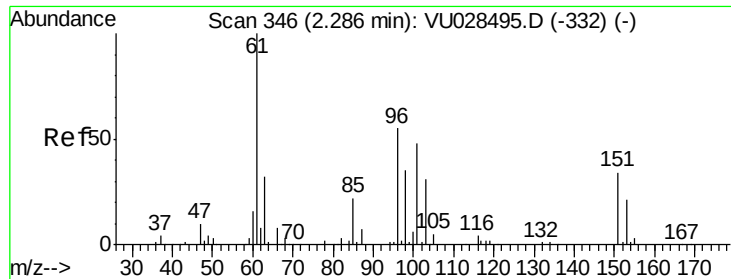


#8

Diethyl Ether
Concen: 50.850 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Tgt Ion: 74 Resp: 46531
Ion Ratio Lower Upper
74 100
45 100.8 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.203 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

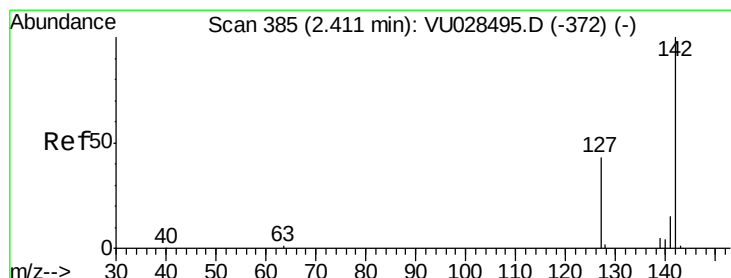
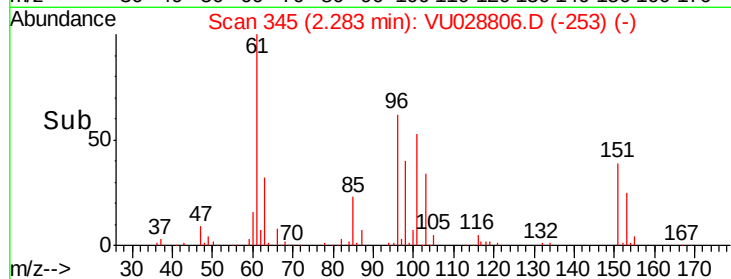
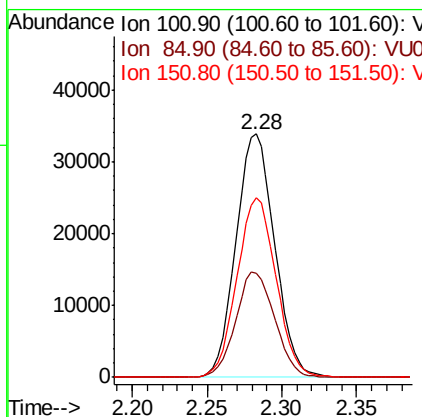
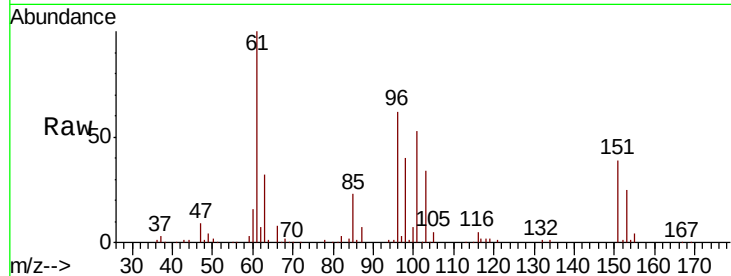
ClientSampleId :

S49-0492MS

Tot Ion:	101	Resp:	61064
Ion Ratio	Lower	Upper	
101	100		
85	43.6	36.4	54.6
151	74.5	58.2	87.2

Manual Integrations
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12/20/2018 8:58:42 AM



#10

Methyl Iodide

Concen: 70.641 ug/l

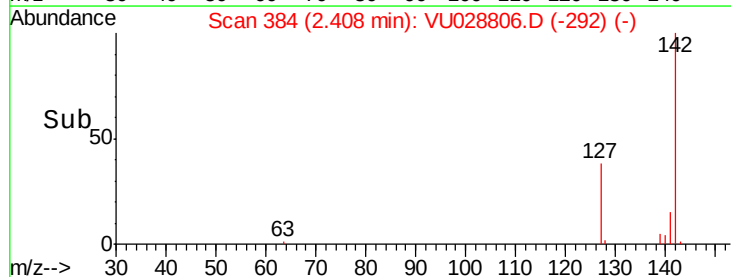
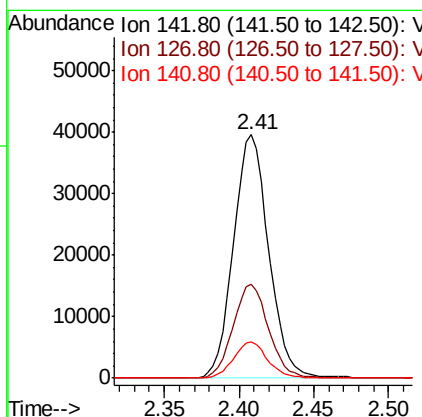
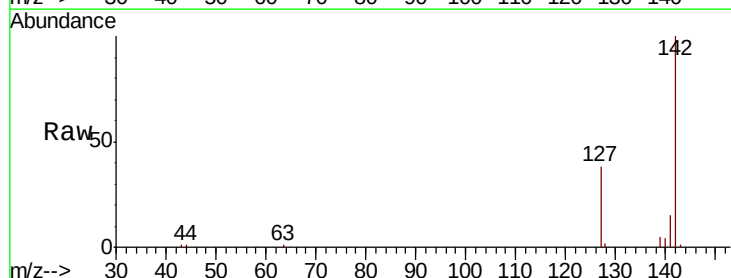
RT: 2.41 min Scan# 384

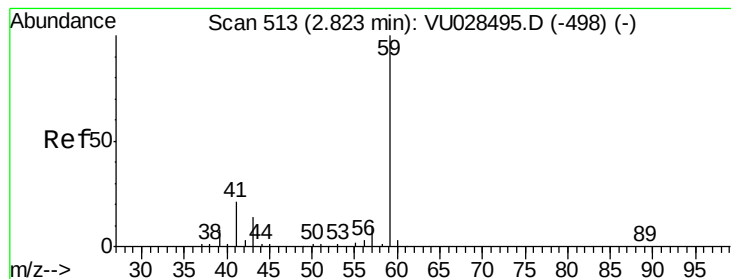
Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Tgt Ion:	142	Resp:	64837
Ion Ratio	Lower	Upper	
142	100		
127	38.7	33.5	50.3
141	14.3	11.2	16.8





#11

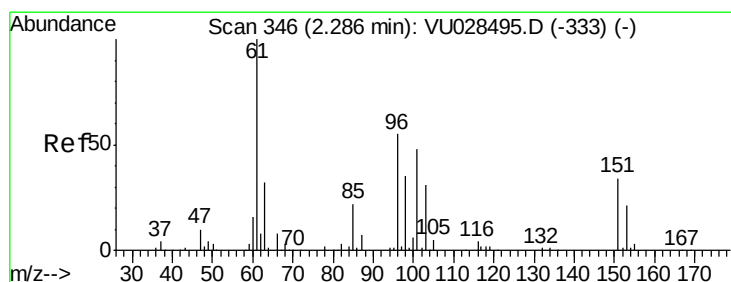
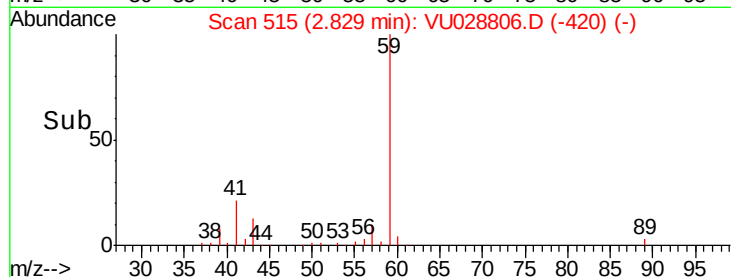
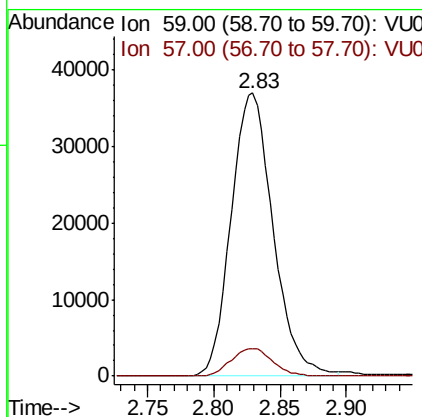
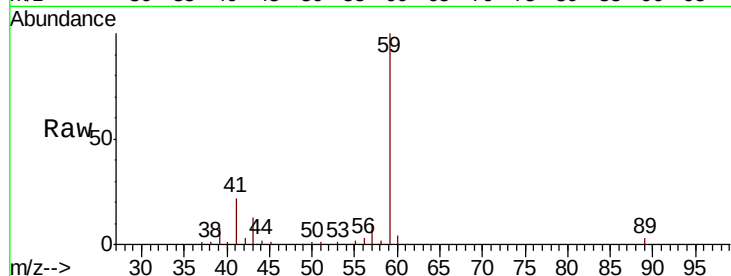
Tert butyl alcohol
Concen: 228.906 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.0	12.0

Manual Integrations
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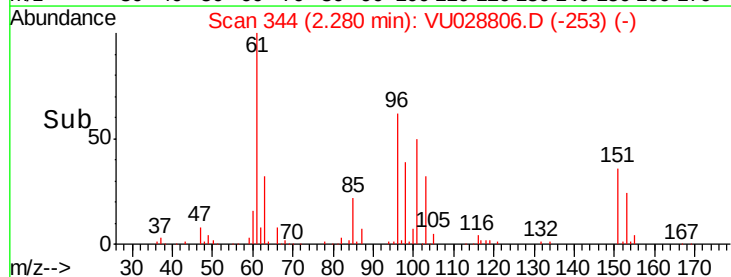
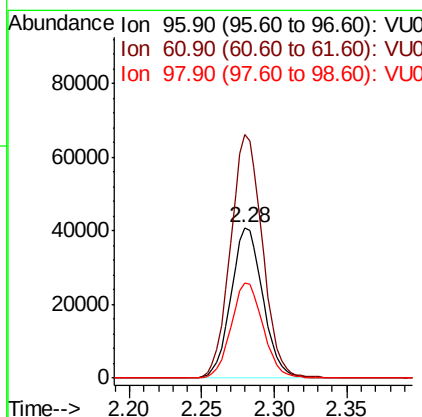
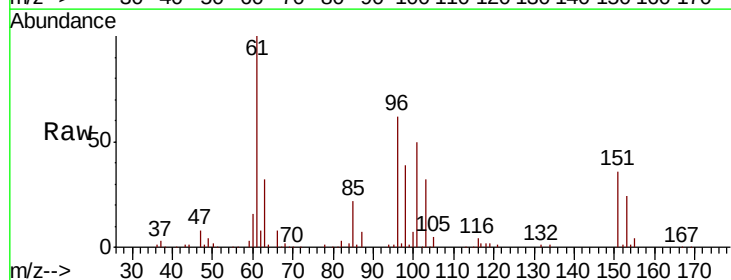
MMDadoda
12/20/2018 8:58:42 AM

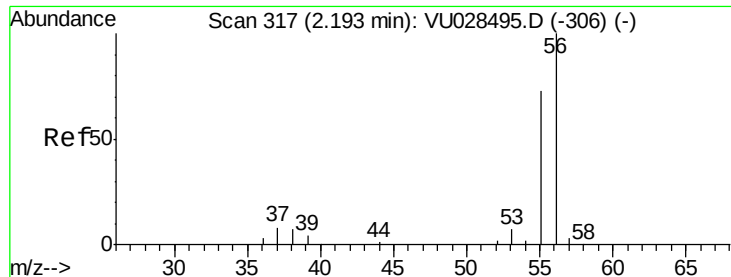


#12

1,1-Dichloroethene
Concen: 53.607 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.6	146.4	219.6
98	63.0	51.8	77.8





#13

Acrolein

Concen: 226.410 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MS

Tot Ion: 56 Resp: 64150

Ion Ratio Lower Upper

56 100

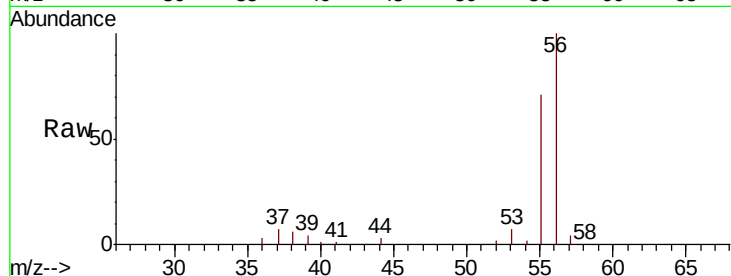
55 71.8 57.5 86.3

Manual Integrations

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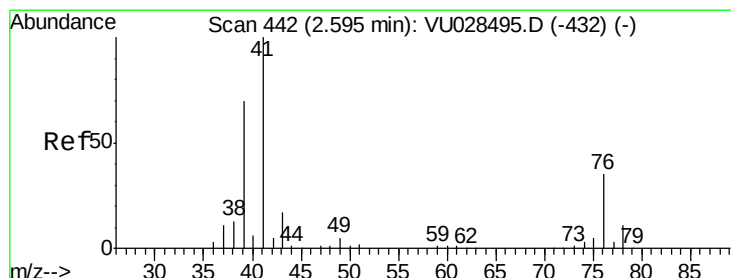
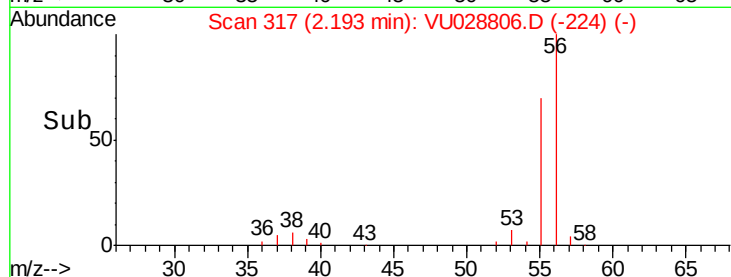
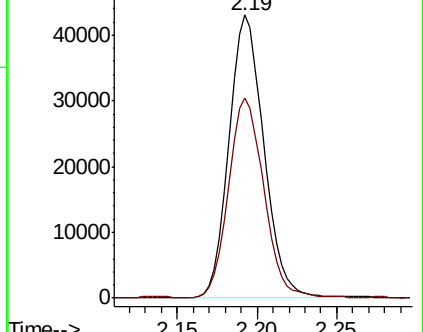
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Abundance Ion 56.00 (55.70 to 56.70): VU028495.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU028806.D (-224) (-)



#14

Allyl chloride

Concen: 40.385 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

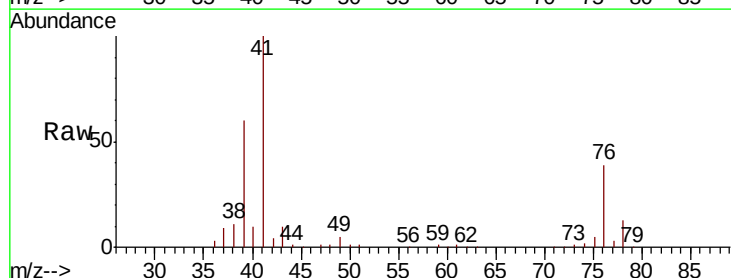
Tgt Ion: 41 Resp: 111194

Ion Ratio Lower Upper

41 100

39 61.3 50.8 76.2

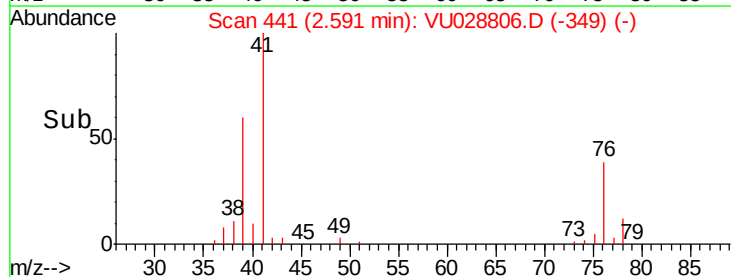
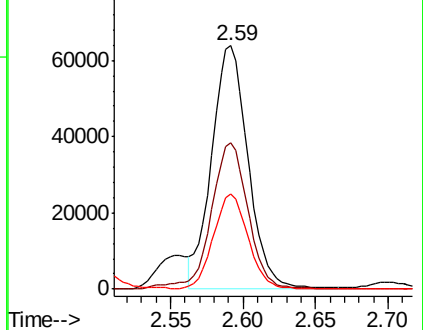
76 37.4 24.8 37.2#

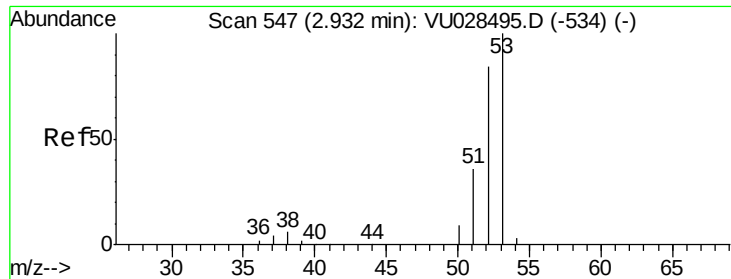


Abundance Ion 41.00 (40.70 to 41.70): VU028495.D (-432) (-)

Ion 39.00 (38.70 to 39.70): VU028806.D (-349) (-)

Ion 75.90 (75.60 to 76.60): VU028806.D (-349) (-)





#15

Acrylonitrile

Concen: 249.114 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

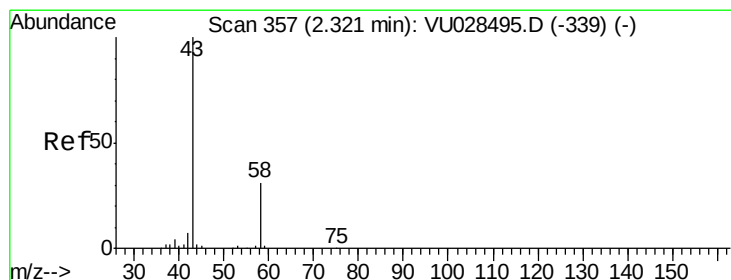
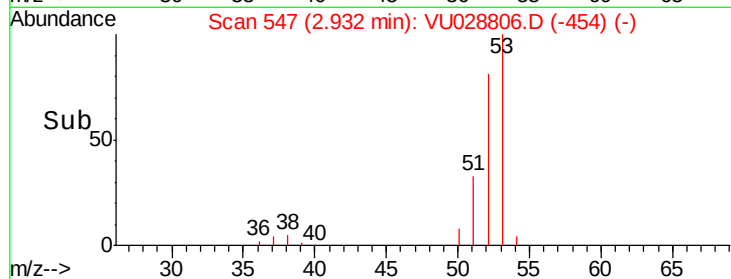
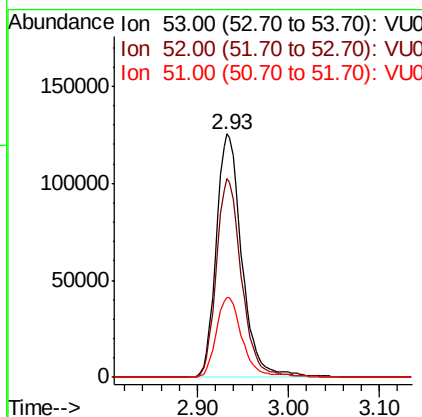
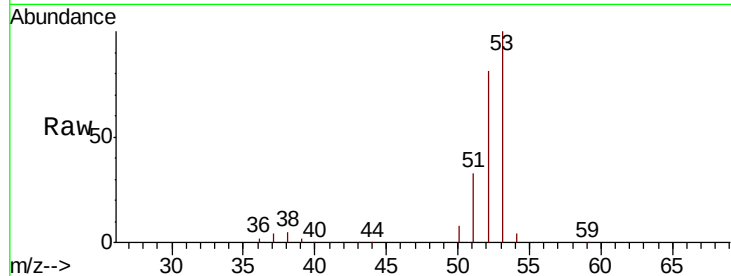
ClientSampleId :

S49-0492MS

Tot Ion:	53	Resp:	245813
Ion	Ratio	Lower	Upper
53	100		
52	80.8	66.1	99.1
51	33.8	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 175.655 ug/l

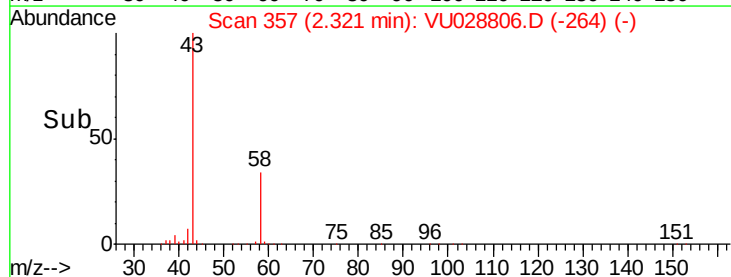
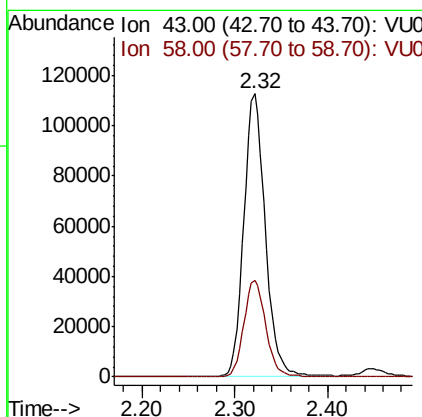
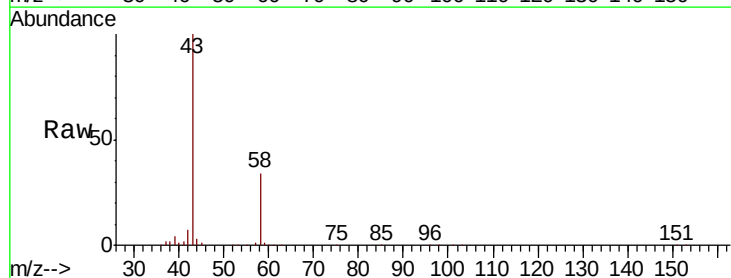
RT: 2.32 min Scan# 357

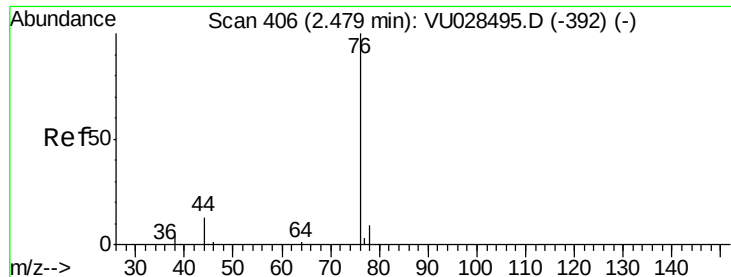
Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Tgt Ion:	43	Resp:	182853
Ion	Ratio	Lower	Upper
43	100		
58	34.2	24.6	37.0





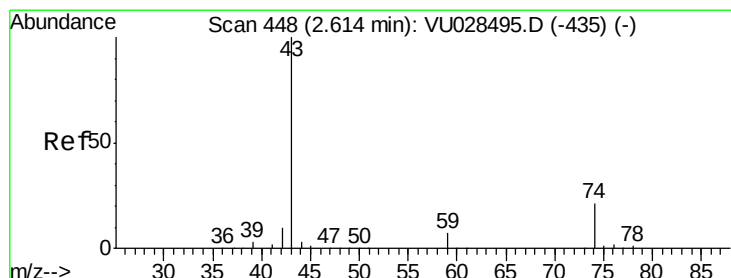
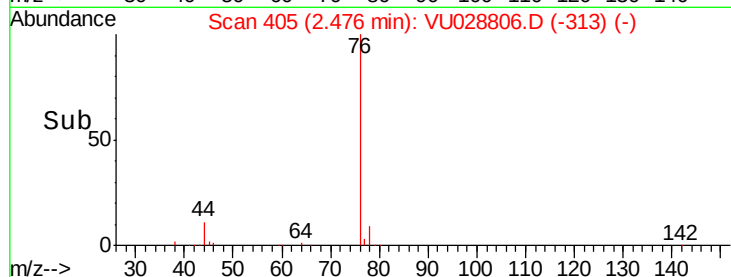
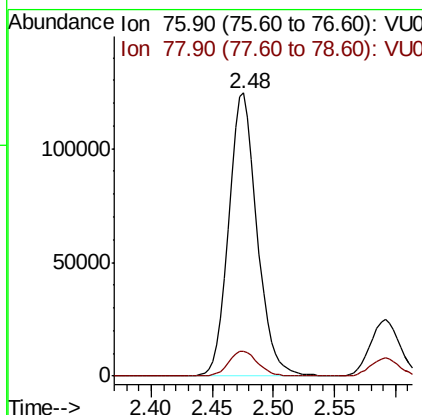
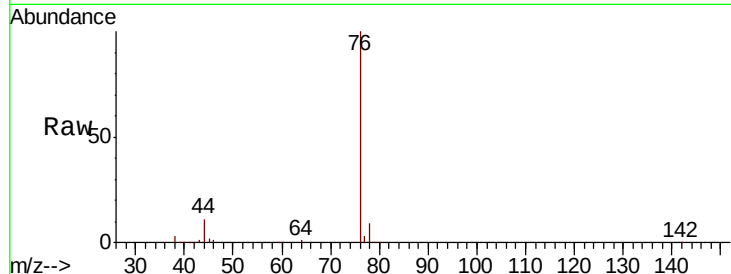
#17
Carbon Disulfide
Concen: 48.256 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

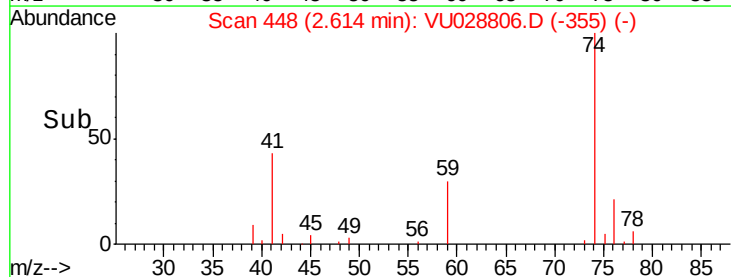
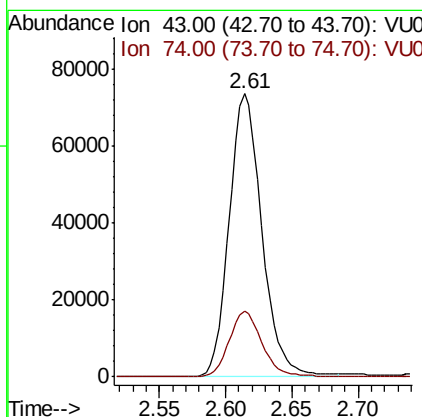
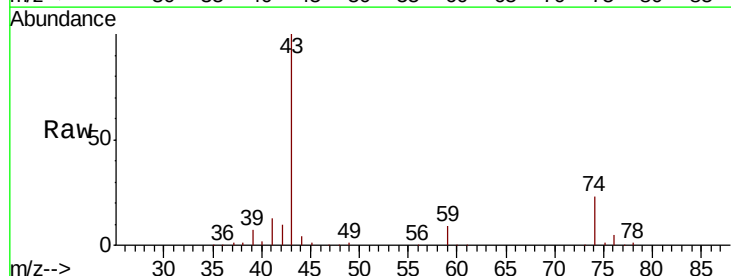
Manual Integrations
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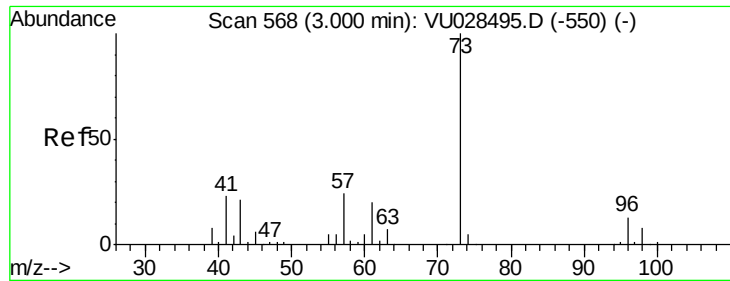
MMDadoda
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#18
Methyl Acetate
Concen: 46.621 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	16.4	24.6





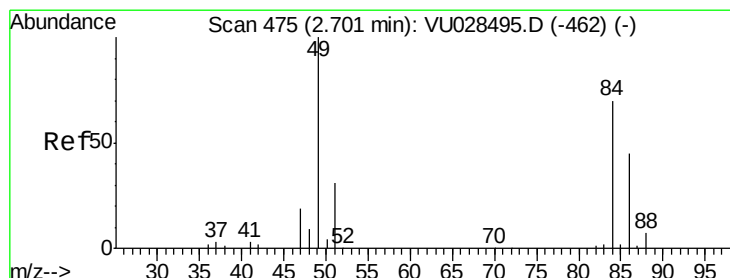
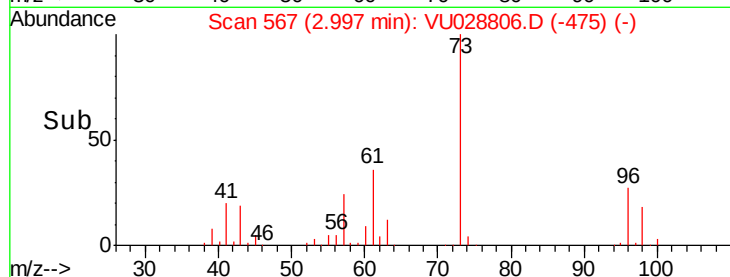
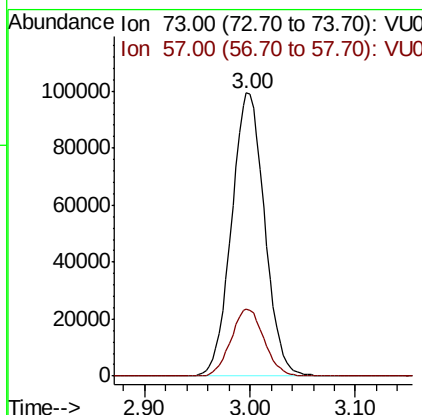
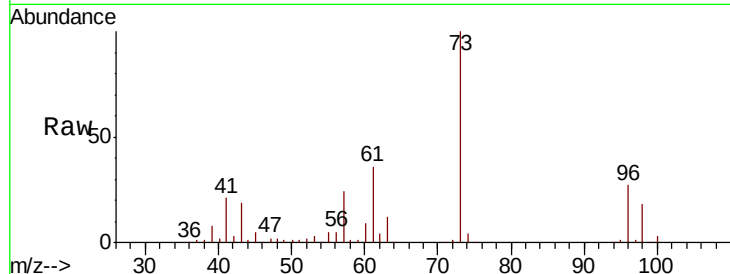
#19
Methyl tert-butyl Ether
Concen: 48.886 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.4	29.2

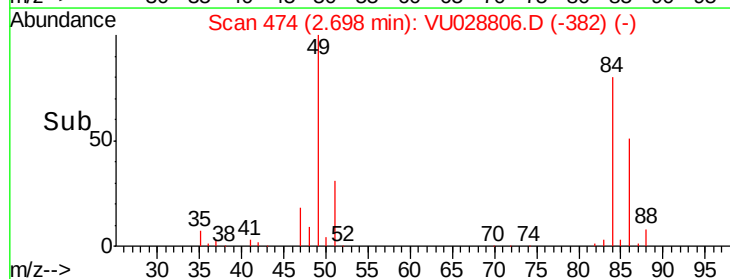
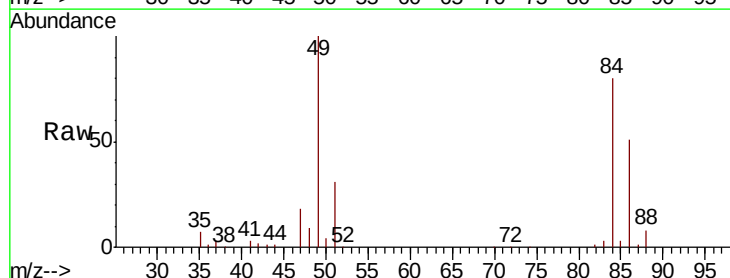
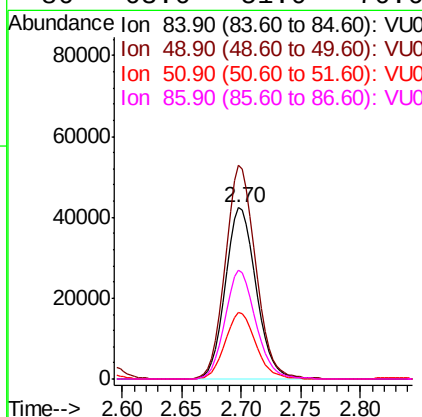
Manual Integrations
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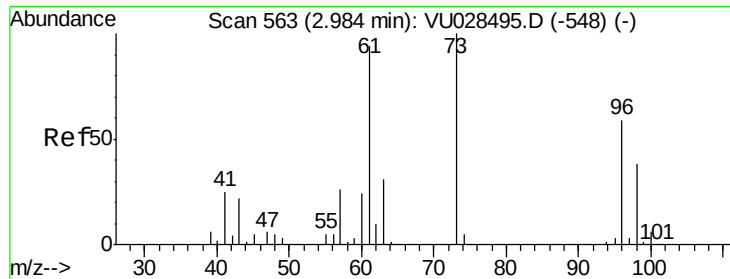
MMDadoda
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#20
Methylene Chloride
Concen: 49.846 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.6	114.0	171.0
51	38.6	35.1	52.7
86	63.6	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 91.457 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MS

Tot Ion: 96 Resp: 119846

Ion Ratio Lower Upper

96 100

61 144.5 127.0 190.4

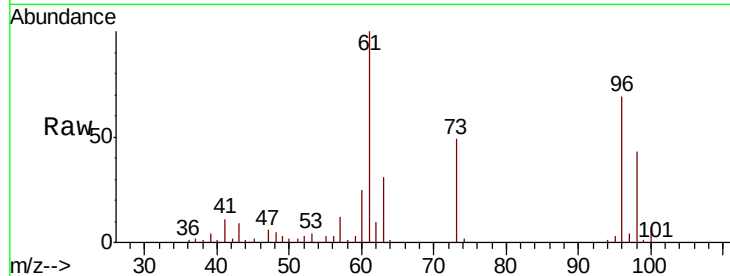
98 62.7 51.9 77.9

Manual Integrations

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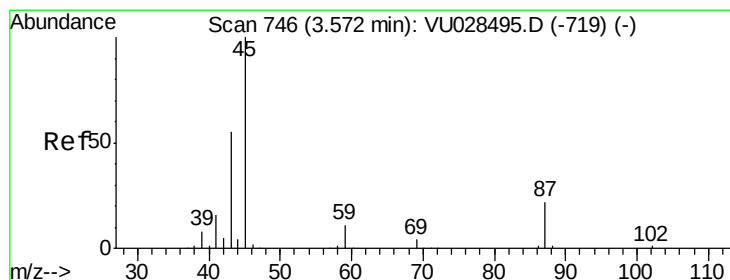
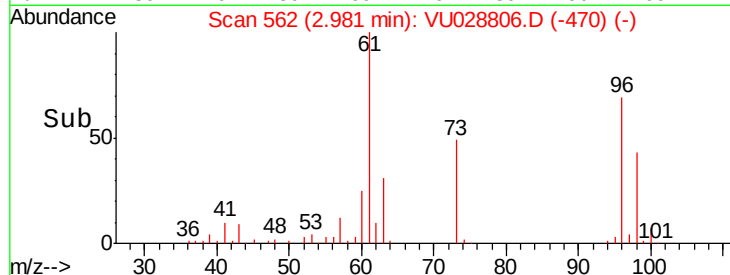
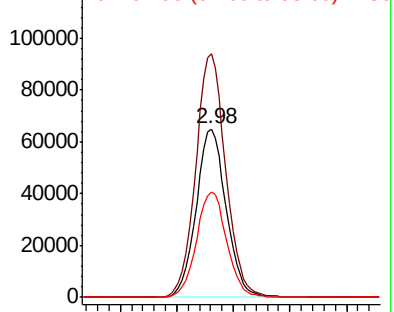


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 45.388 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Tgt Ion: 45 Resp: 243022

Ion Ratio Lower Upper

45 100

43 54.1 45.3 67.9

87 24.8 17.6 26.4

59 11.7 8.8 13.2

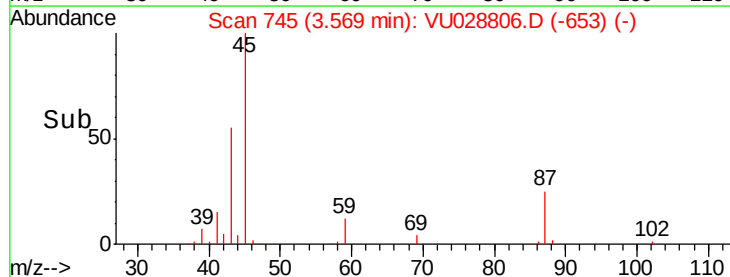
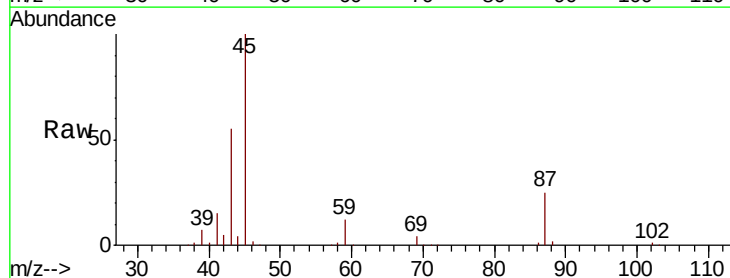
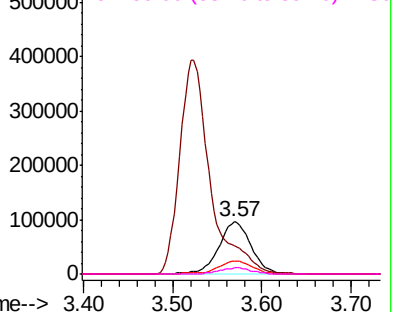
Abundance

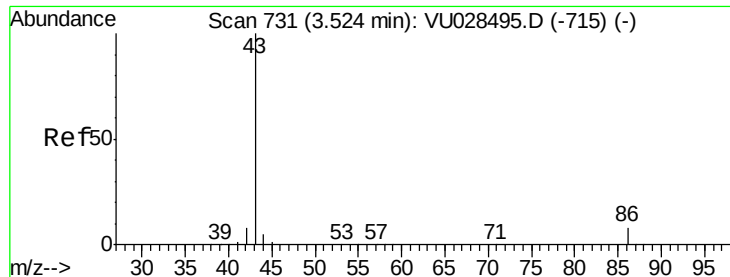
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 213.883 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MS

Tot Ion: 43 Resp: 944599

Ion Ratio Lower Upper

43 100

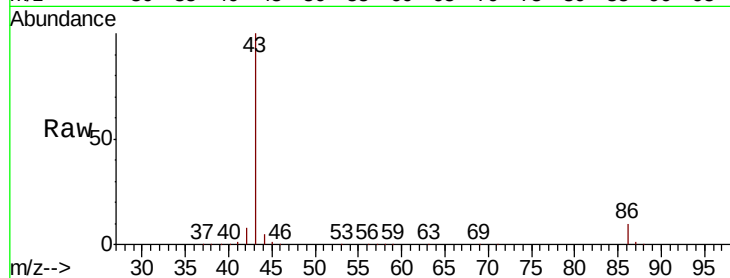
86 9.9 6.8 10.2

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Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-715) (-)

Ion 86.00 (85.70 to 86.70): VU028495.D (-715) (-)

3.52

400000

300000

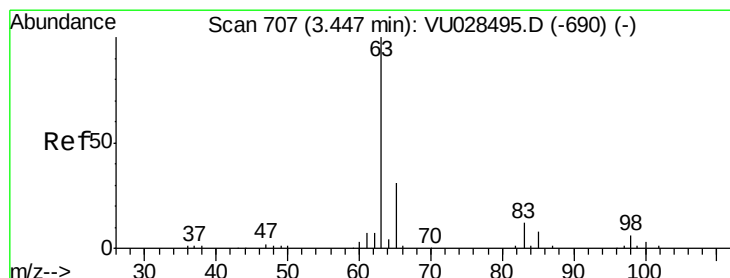
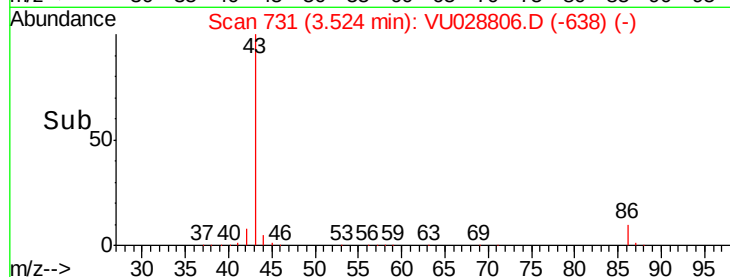
200000

100000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 48.439 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

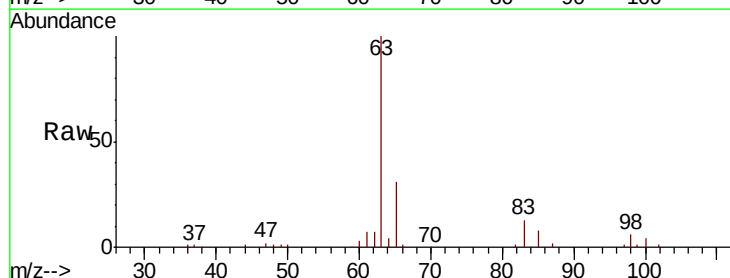
Tgt Ion: 63 Resp: 135761

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 4.1 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028495.D (-690) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-690) (-)

Ion 99.90 (99.60 to 100.60): VU028495.D (-690) (-)

80000

60000

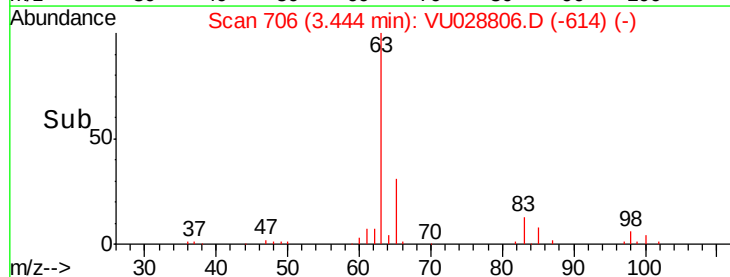
40000

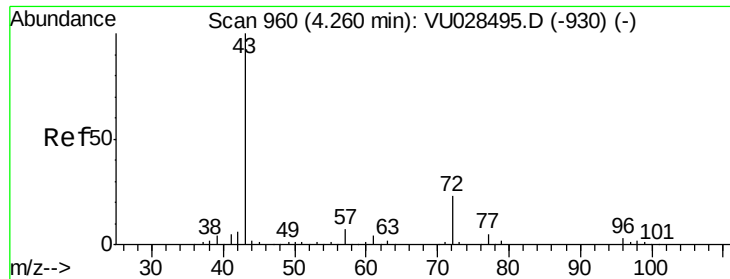
20000

0

3.40 3.50

Time-->





#25

2-Butanone

Concen: 214.381 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MS

Tot Ion: 43 Resp: 304979

Ion Ratio Lower Upper

43 100

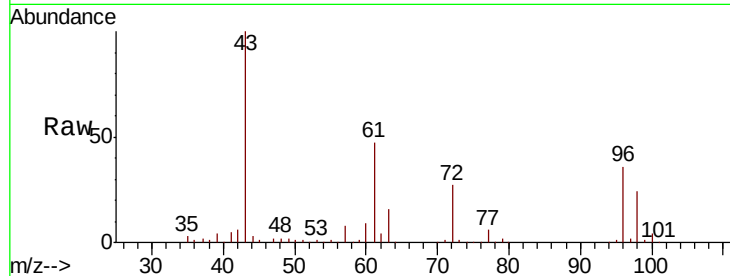
72 26.8 18.6 28.0

Manual Integrations

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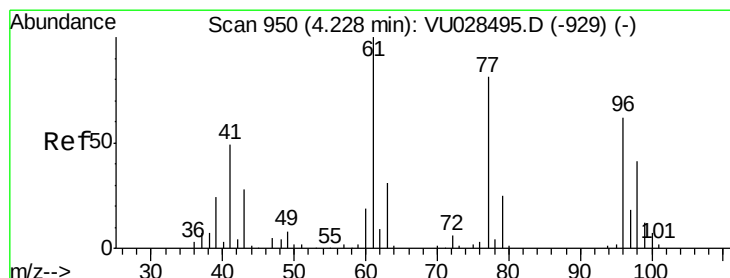
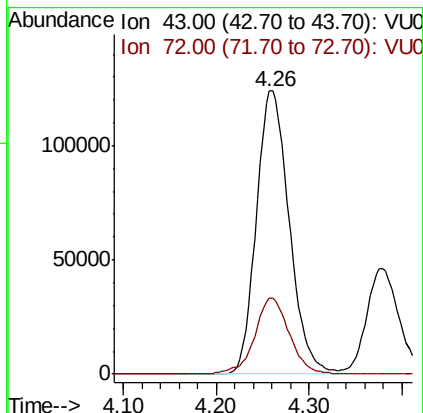
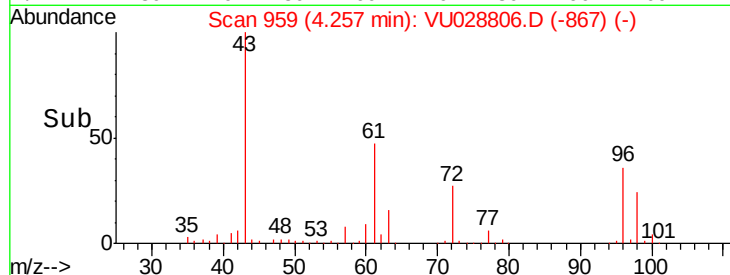
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU028806.D (-867) (-)

Ion 72.00 (71.70 to 72.70): VU028806.D (-867) (-)



#26

2,2-Dichloropropane

Concen: 42.922 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028806.D

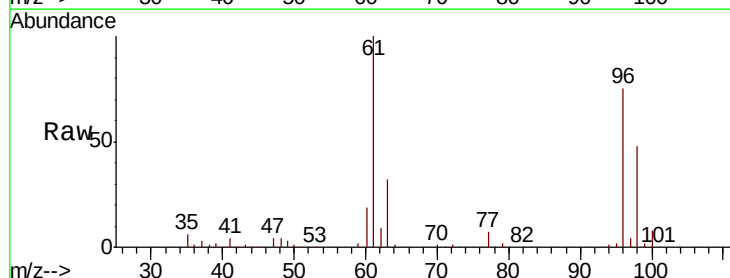
Acq: 19 Dec 2018 20:10

Tgt Ion: 77 Resp: 95321

Ion Ratio Lower Upper

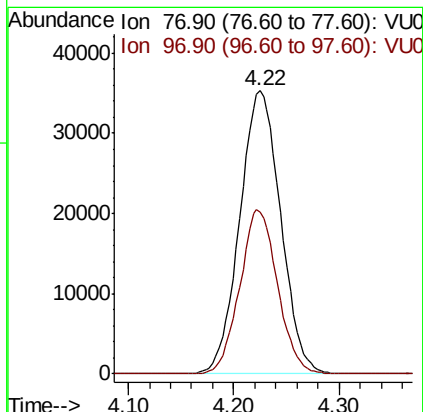
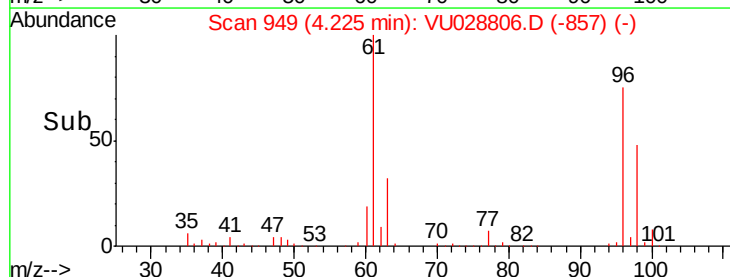
77 100

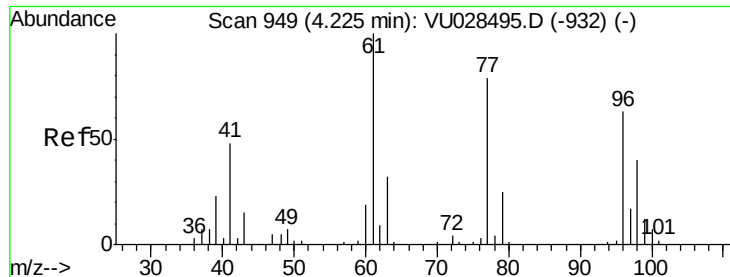
97 53.5 11.0 33.0#



Abundance Ion 76.90 (76.60 to 77.60): VU028806.D (-857) (-)

Ion 96.90 (96.60 to 97.60): VU028806.D (-857) (-)





#27

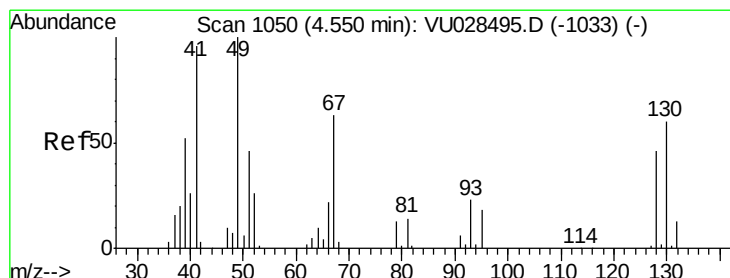
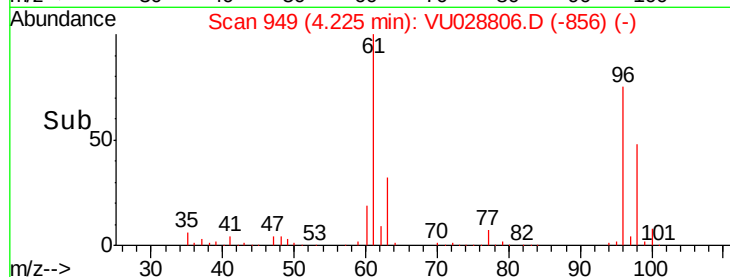
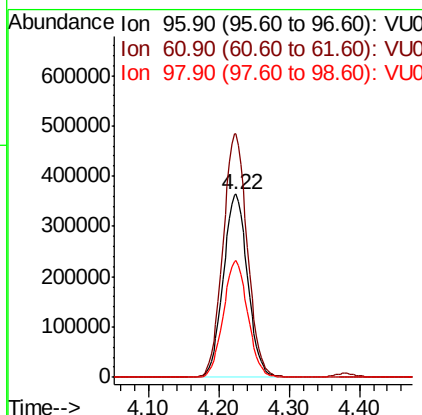
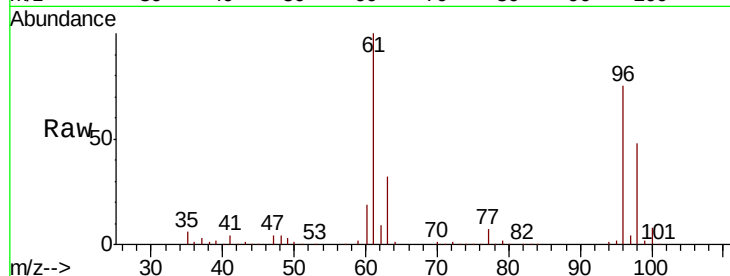
cis-1,2-Dichloroethene
Concen: 593.530 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	880320		
61	132.7		0.0	332.4
98	63.7		0.0	129.0

Manual Integrations
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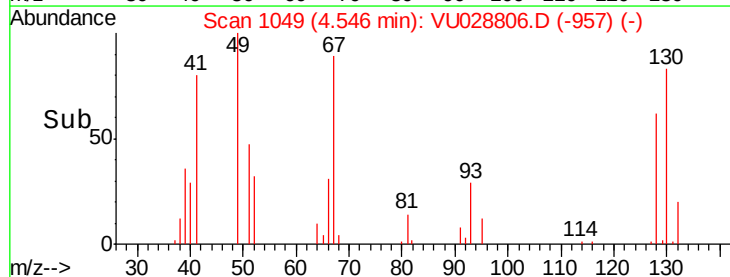
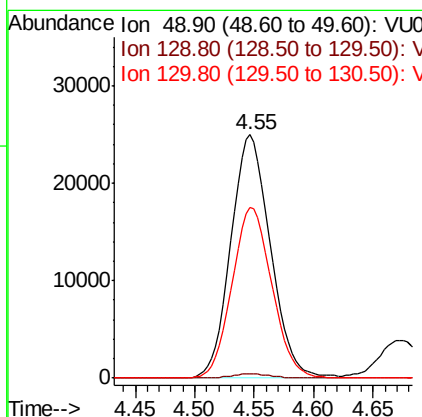
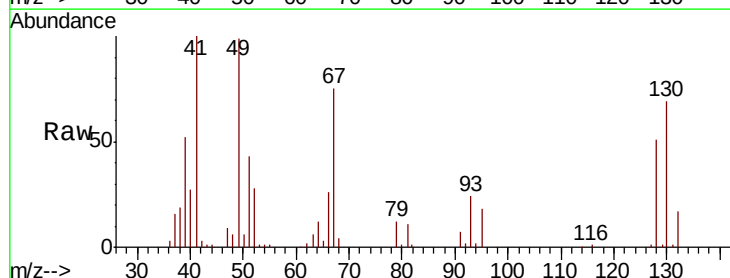
MMDadoda
12/20/2018 8:58:42 AM

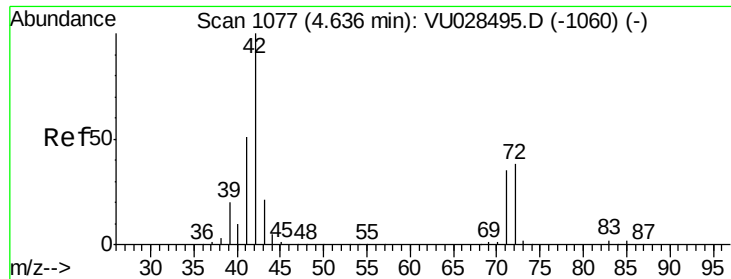


#28

Bromochloromethane
Concen: 45.256 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	57662		
129	1.5		0.0	3.0
130	70.7		47.8	71.8





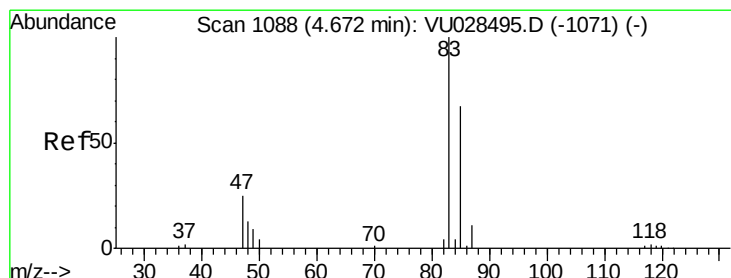
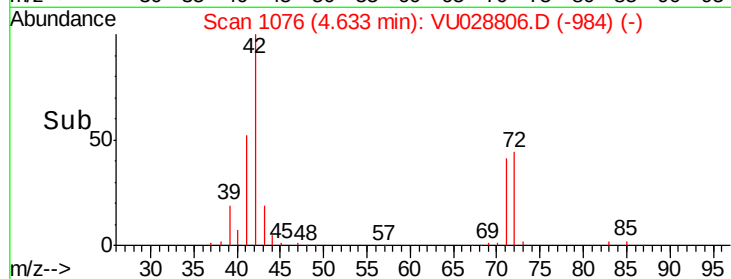
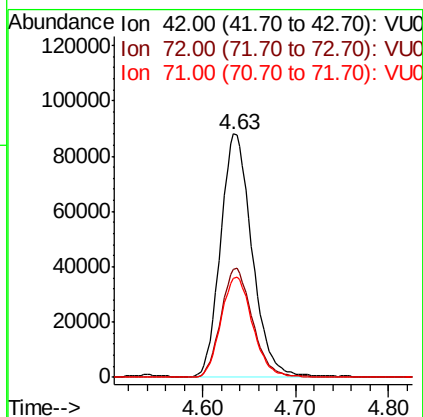
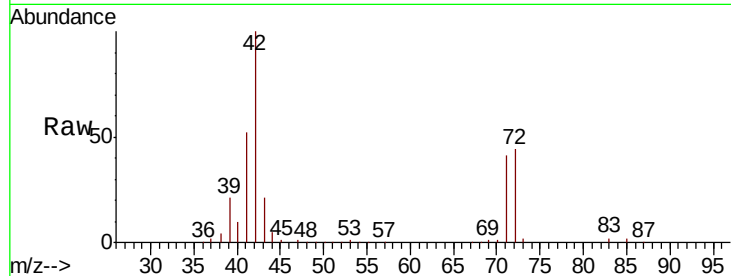
#29
Tetrahydrofuran
Concen: 228.296 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Instrument :
MSVOA_U
ClientSampled :
S49-0492MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	31.4	47.0
71	41.4	28.6	43.0

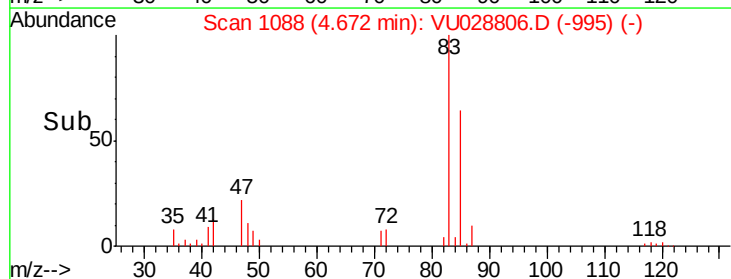
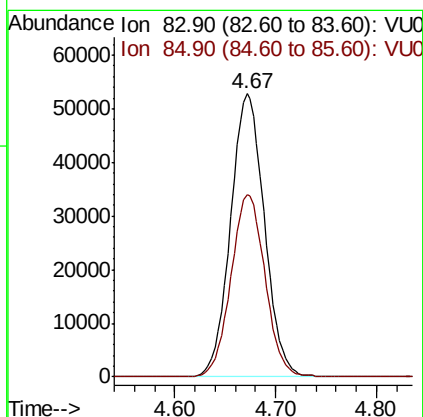
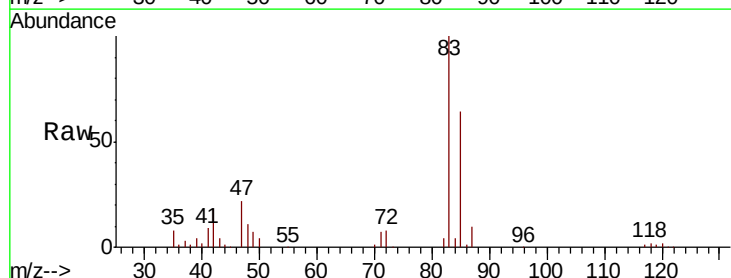
Manual Integrations
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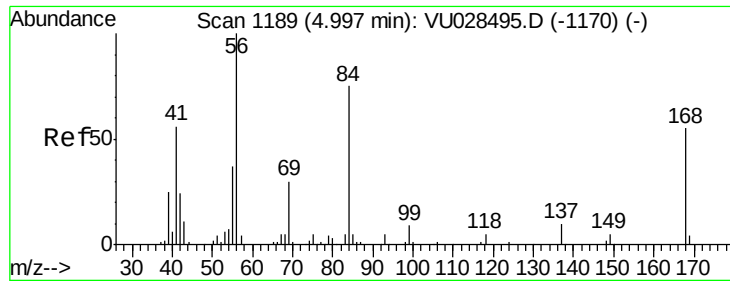
MMDadoda
12/20/2018 8:58:42 AM



#30
Chloroform
Concen: 50.379 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.6	80.4





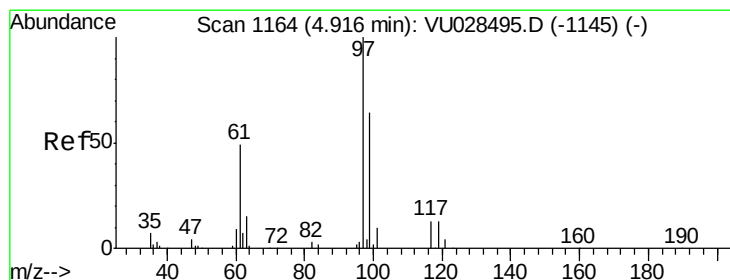
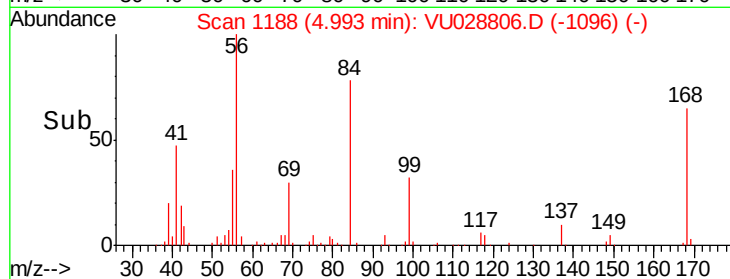
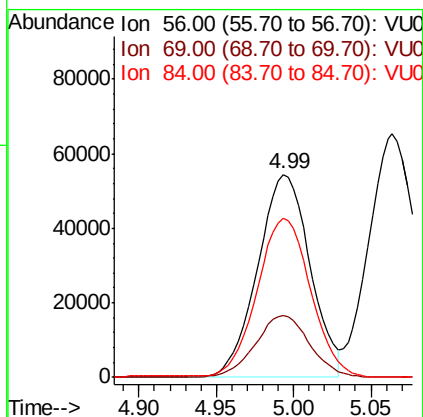
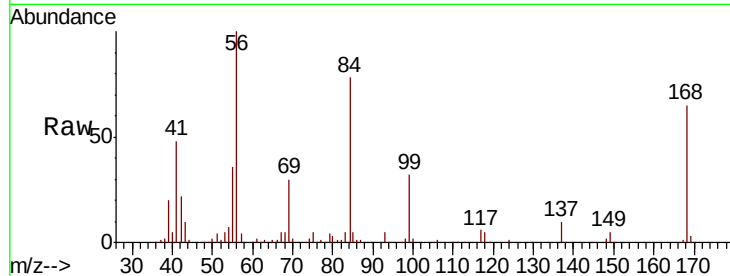
#31
Cyclohexane
Concen: 47.001 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.0	36.0
84	77.5	59.7	89.5

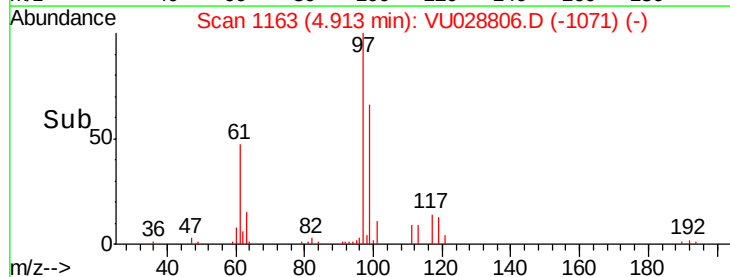
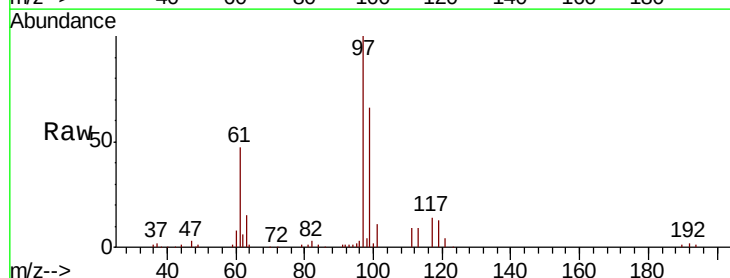
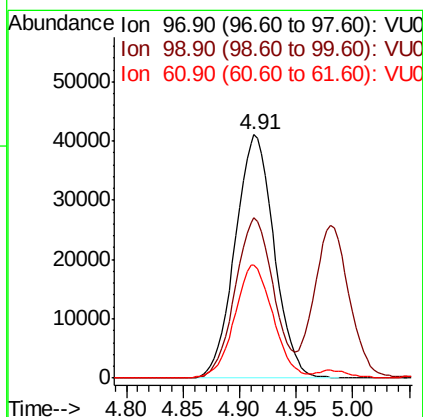
Manual Integrations
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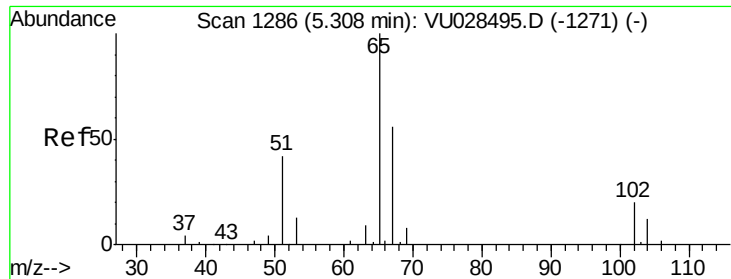
MMDadoda
12/20/2018 8:58:42 AM



#32
1,1,1-Trichloroethane
Concen: 48.381 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.3	78.5
61	46.0	39.0	58.6





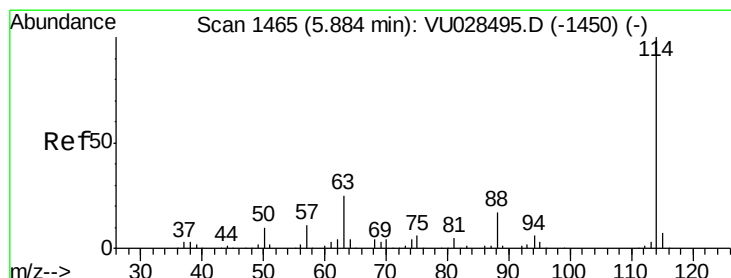
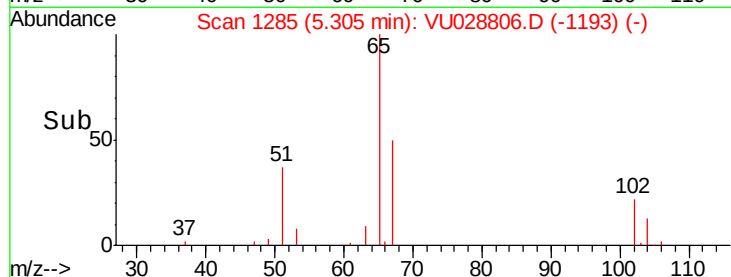
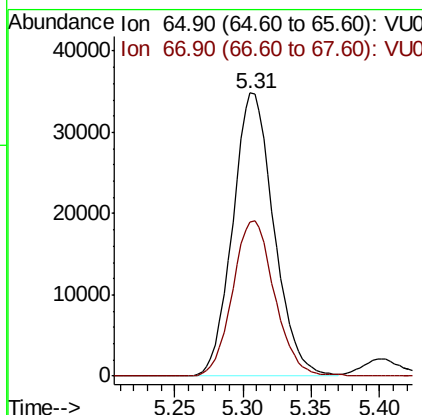
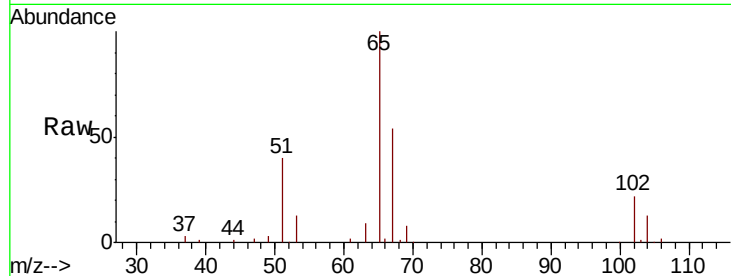
#33
 1,2-Dichloroethane-d4
 Concen: 45.763 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU028806.D
 Acq: 19 Dec 2018 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.9	0.0	110.6

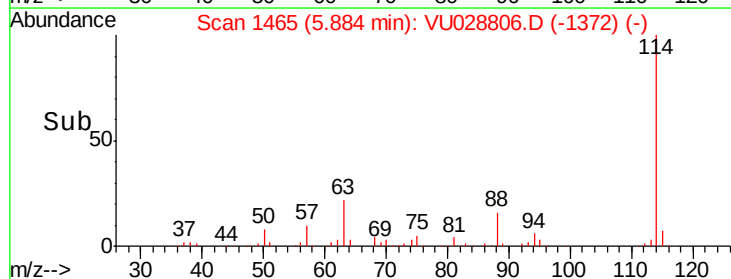
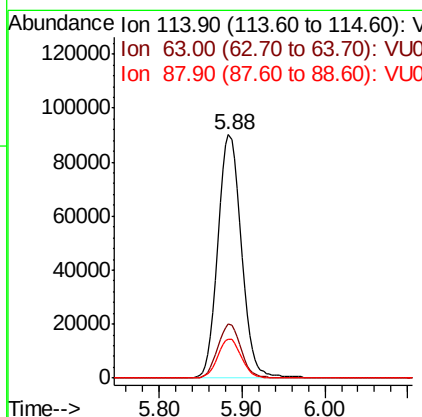
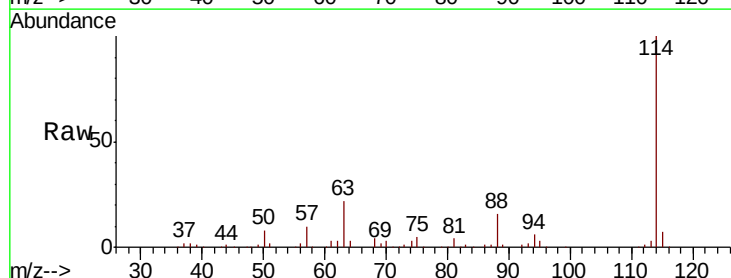
Manual Integrations
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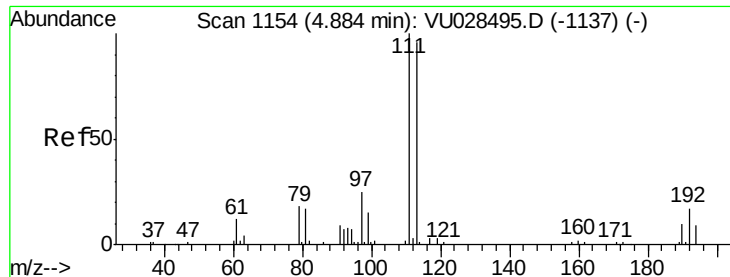
MMDadoda
 12/20/2018 8:58:42 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028806.D
 Acq: 19 Dec 2018 20:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	49.2
88	16.2	0.0	33.4





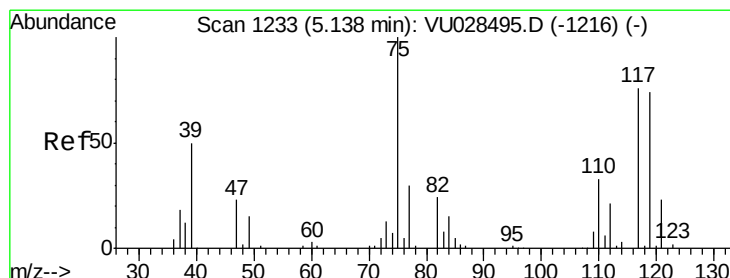
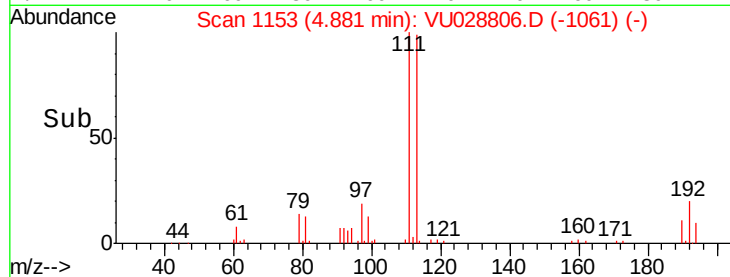
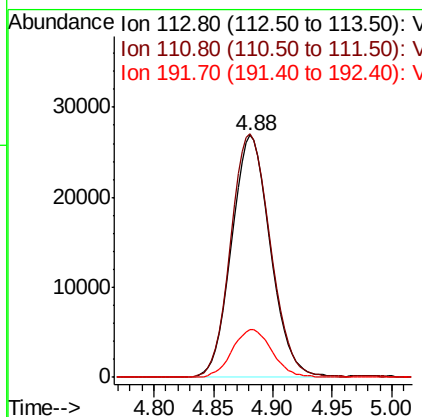
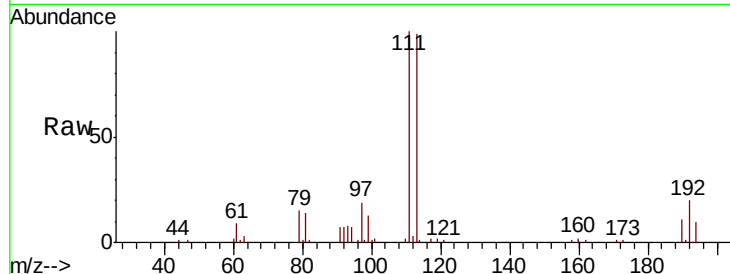
#35
 Dibromofluoromethane
 Concen: 54.207 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028806.D
 Acq: 19 Dec 2018 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.4	125.0
192	20.3	14.8	22.2

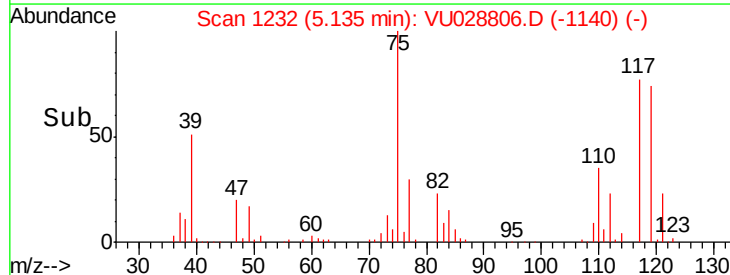
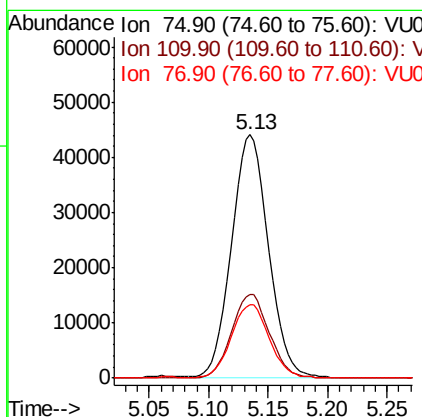
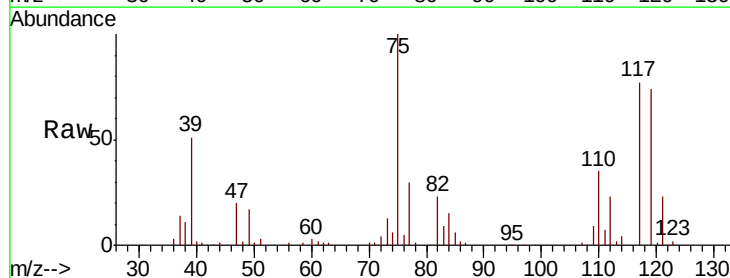
Manual Integrations
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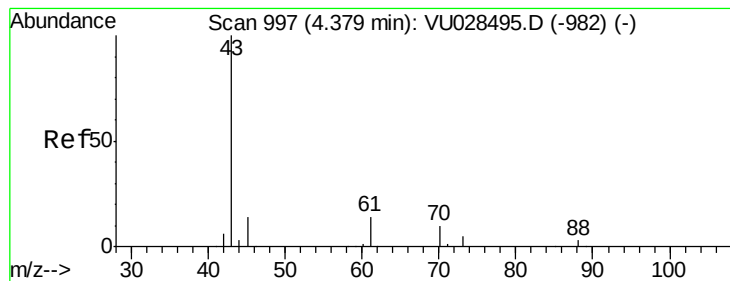
MMDadoda
 12/20/2018 8:58:42 AM



#36
 1,1-Dichloropropene
 Concen: 48.433 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028806.D
 Acq: 19 Dec 2018 20:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	16.1	48.2
77	31.4	24.5	36.7





#37

Ethyl Acetate

Concen: 44.866 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MS

Tot Ion: 43 Resp: 112726

Ion Ratio Lower Upper

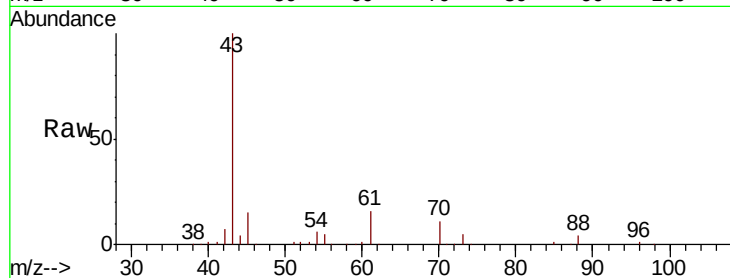
43 100

61 0.0 11.0 16.4#

70 10.8 7.4 11.0

Manual Integrations
APPROVED

MMDadoda
12/20/2018 8:58:42 AM

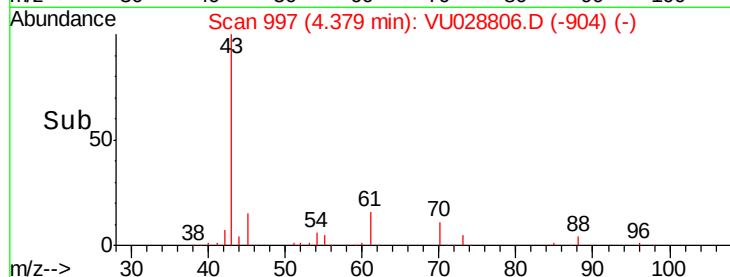


Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

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

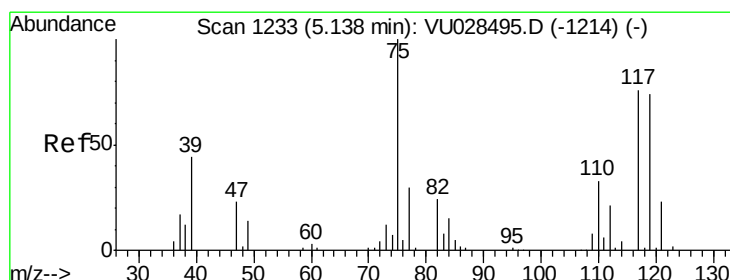
Ion 70.00 (69.70 to 70.70): VU028495.D (-982) (-)

Time-->



Abundance

Time-->



#38

Carbon Tetrachloride

Concen: 49.775 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

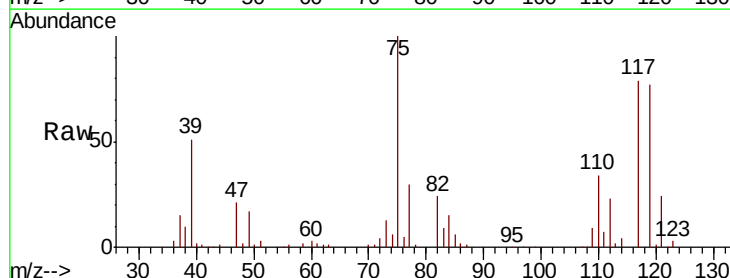
Tgt Ion: 117 Resp: 77975

Ion Ratio Lower Upper

117 100

119 97.0 77.6 116.4

121 29.8 24.6 36.8

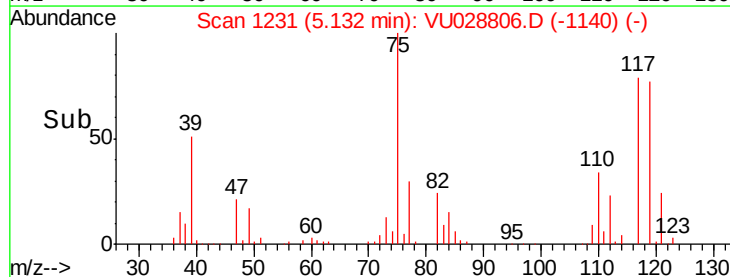


Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

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

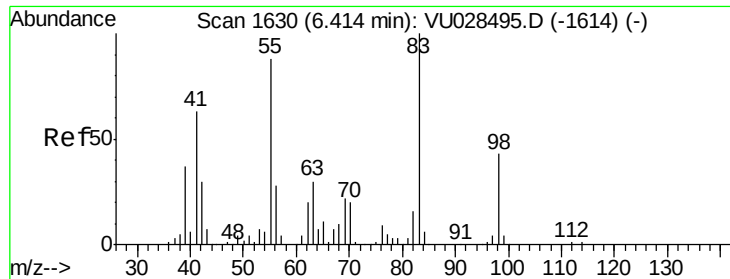
Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)

Time-->



Abundance

Time-->



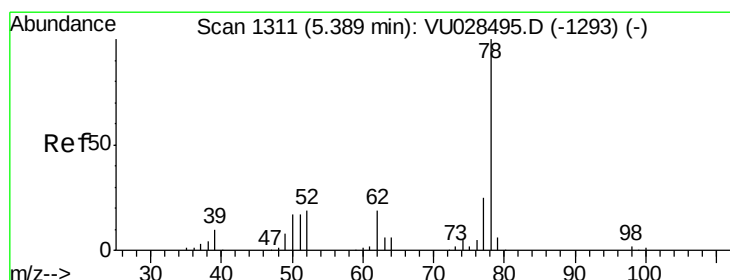
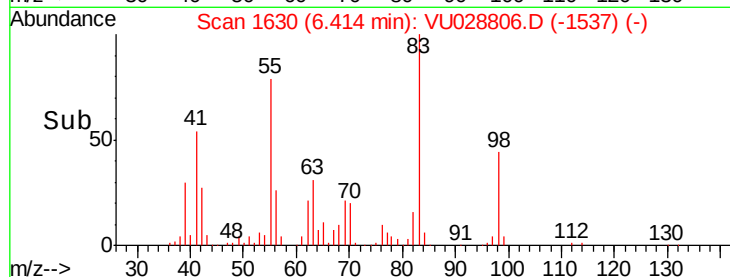
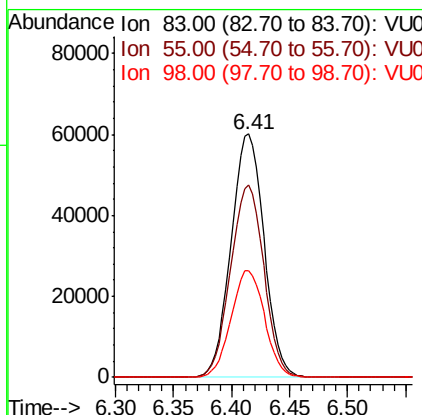
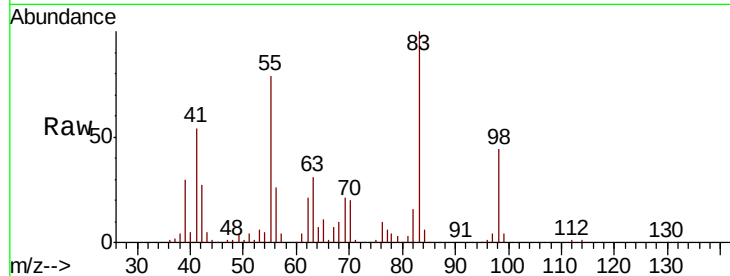
#39
Methylvlcyclohexane
Concen: 50.023 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	70.2	105.2
98	43.9	34.2	51.4

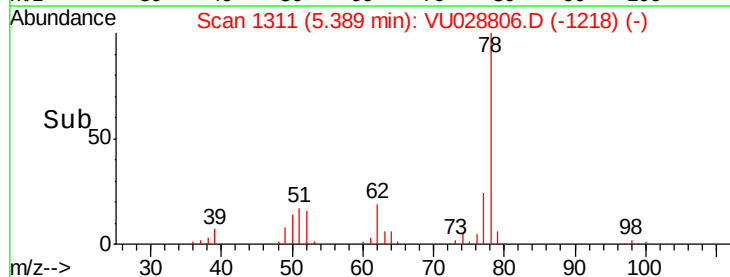
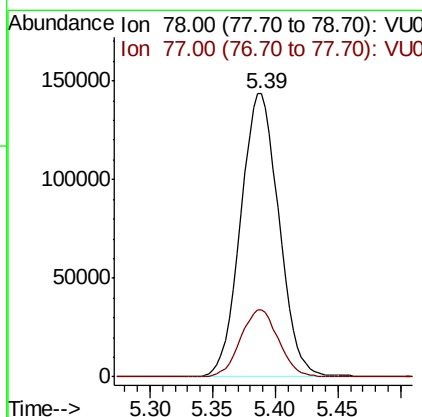
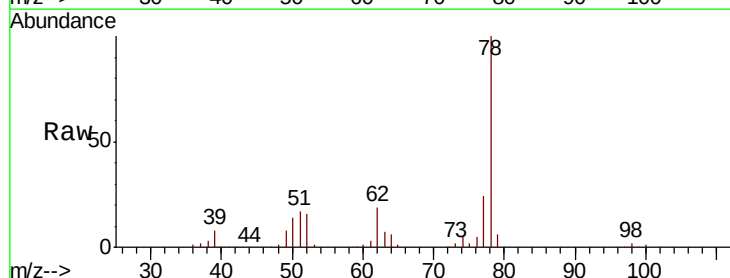
Manual Integrations
APPROVED

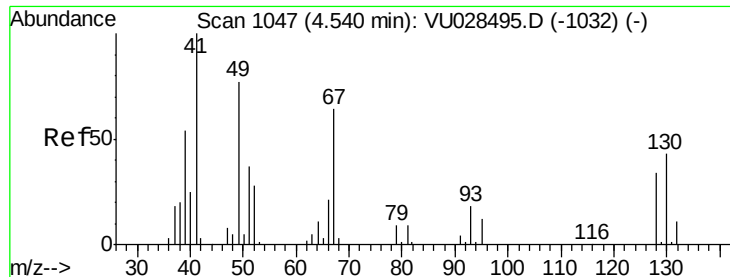
MMDadoda
12/20/2018 8:58:42 AM



#40
Benzene
Concen: 53.321 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.9	29.9





#41

Methacrylonitrile

Concen: 46.503 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

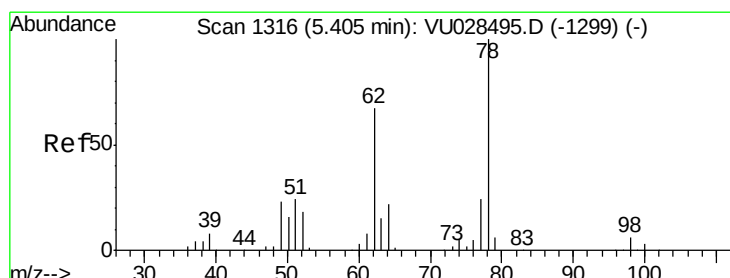
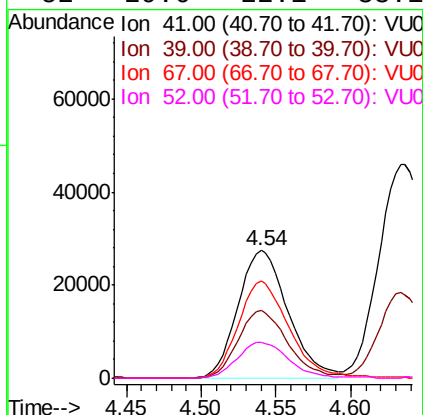
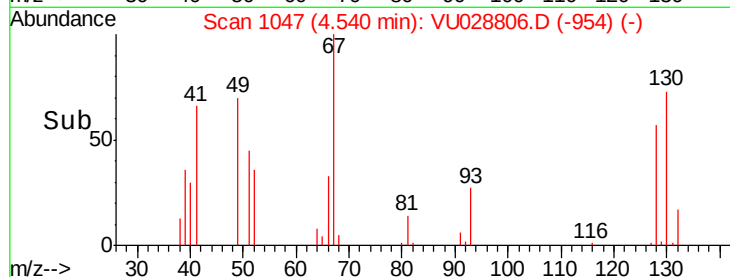
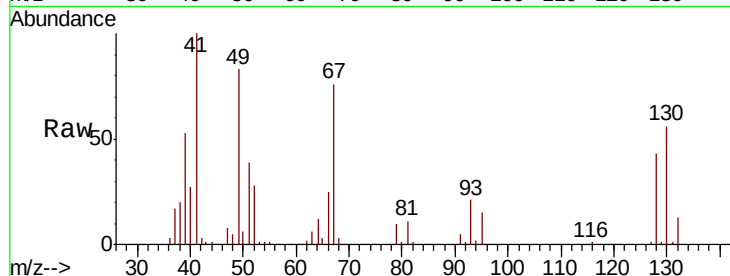
ClientSampleId :

S49-0492MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	43.3	64.9	
67	77.6	53.6	80.4	
52	29.6	22.1	33.1	

Manual Integrations
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MMDadoda
12/20/2018 8:58:42 AM



#42

1,2-Dichloroethane

Concen: 48.084 ug/l

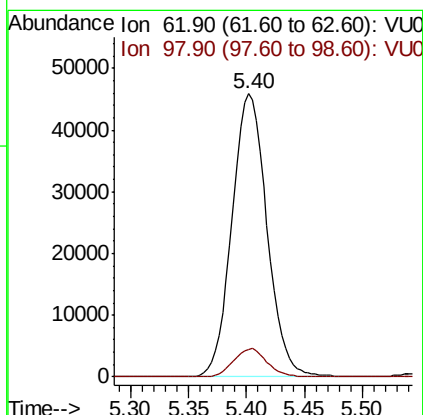
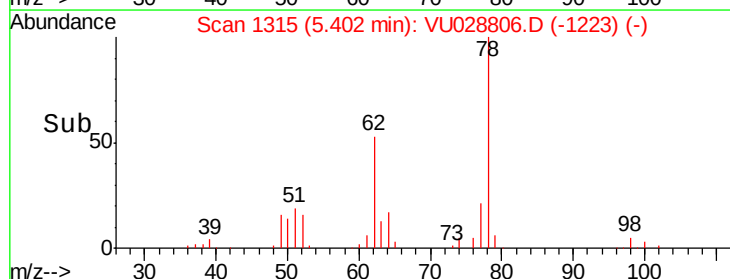
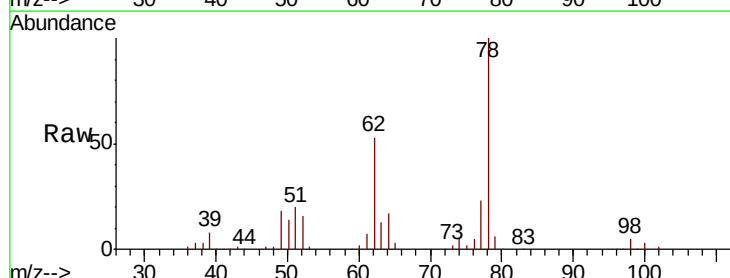
RT: 5.40 min Scan# 1315

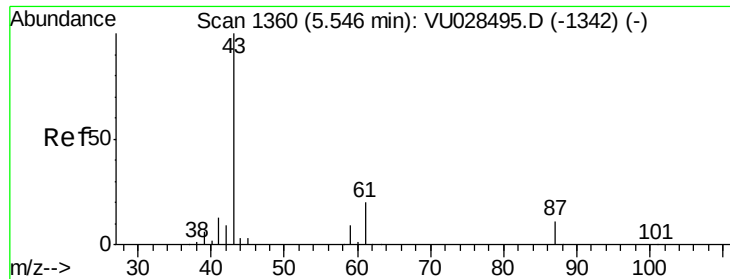
Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	17.2	





#43

Isopropyl Acetate

Concen: 44.748 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

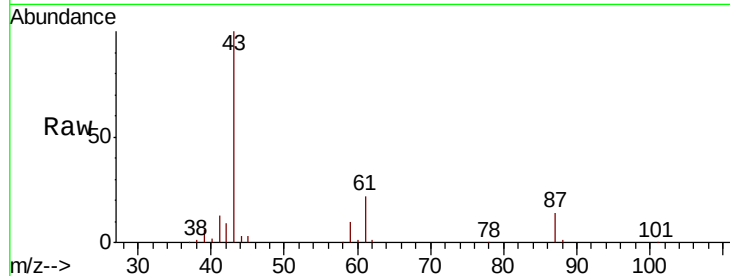
ClientSampleId :

S49-0492MS

Tot Ion:	43	Resp:	177827
Ion	Ratio	Lower	Upper
43	100		
61	21.8	15.5	23.3
87	13.3	8.7	13.1#

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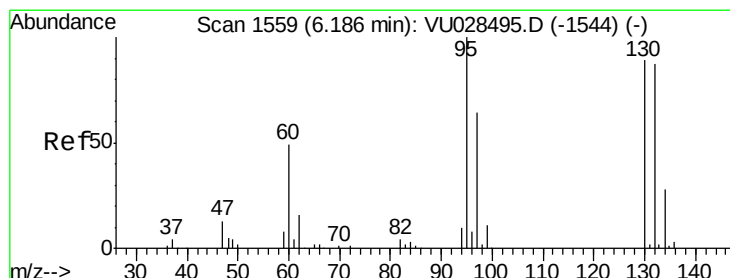
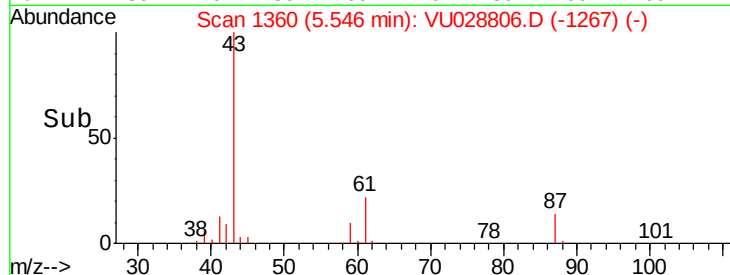
Abundance Ion 43.00 (42.70 to 43.70): VU028806.D (-1267) (-)

Ion 61.00 (60.70 to 61.70): VU028806.D (-1267) (-)

Ion 87.00 (86.70 to 87.70): VU028806.D (-1267) (-)

5.55

Time-->



#44

Trichloroethene

Concen: 969.948 ug/l

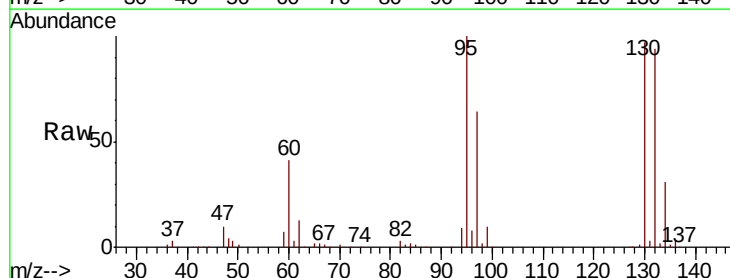
RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Tgt Ion:	130	Resp:	1234542
Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	224.0

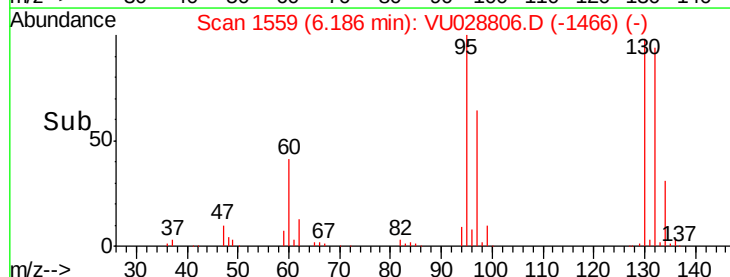


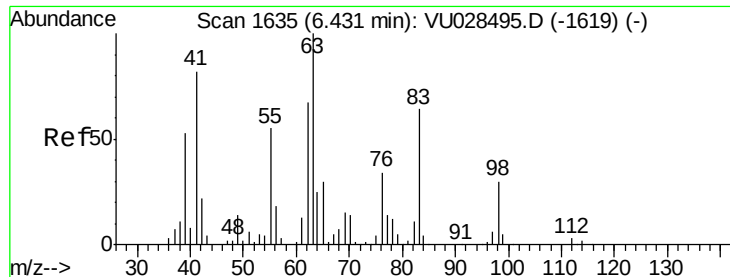
Abundance Ion 129.80 (129.50 to 130.50): VU028806.D (-1466) (-)

Ion 94.90 (94.60 to 95.60): VU028806.D (-1466) (-)

6.19

Time-->





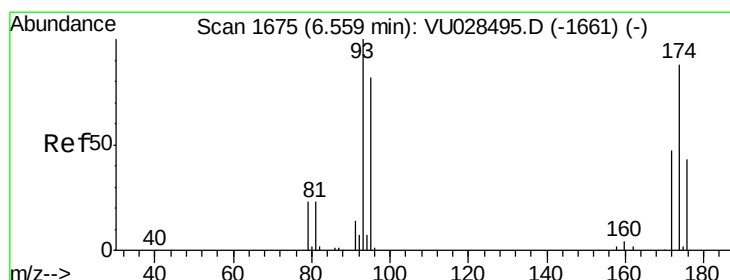
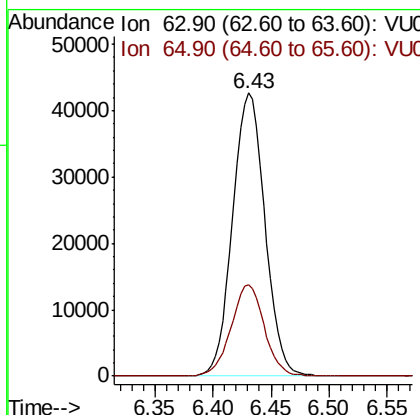
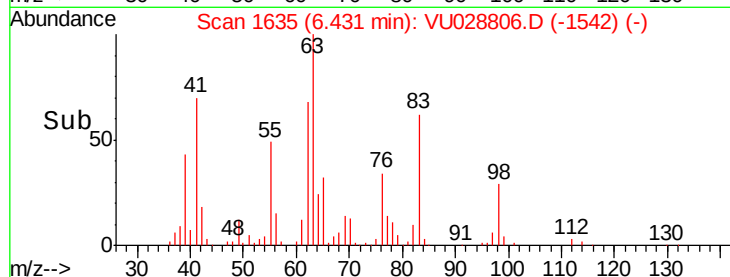
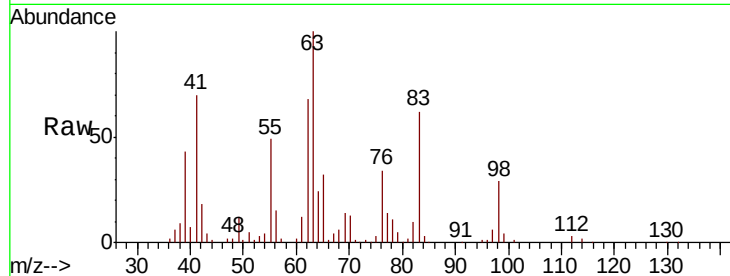
#45
 1,2-Dichloropropane
 Concen: 51.377 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028806.D
 Acq: 19 Dec 2018 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MS

Tot Ion: 63 Resp: 82702
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.2 36.4

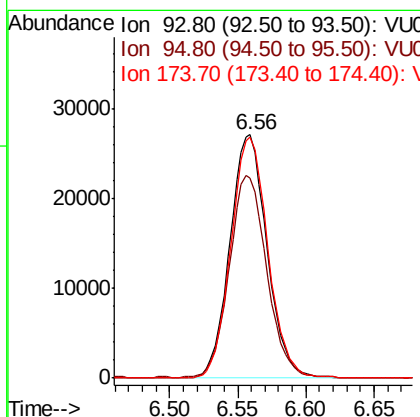
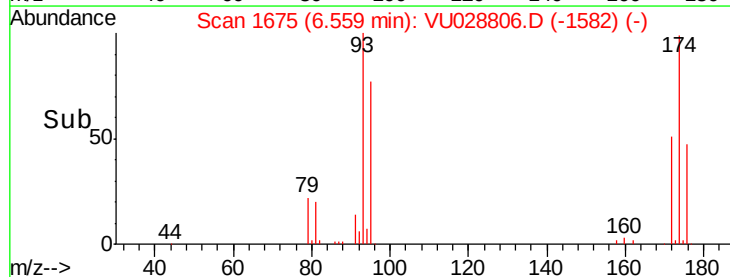
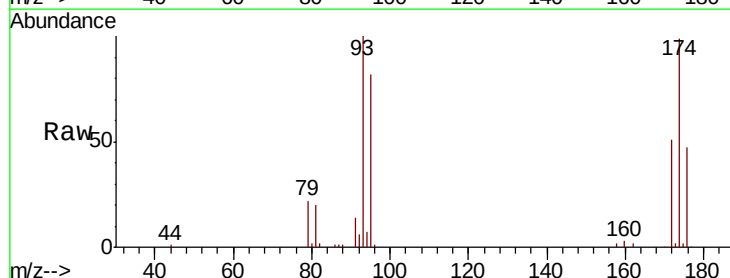
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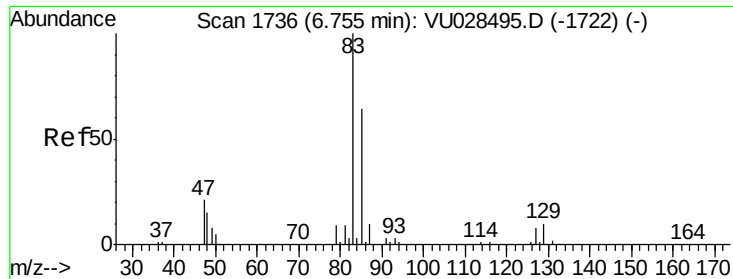
MMDadoda
 12/20/2018 8:58:42 AM



#46
 Dibromomethane
 Concen: 53.385 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028806.D
 Acq: 19 Dec 2018 20:10

Tgt Ion: 93 Resp: 50988
 Ion Ratio Lower Upper
 93 100
 95 84.8 65.4 98.2
 174 99.0 72.2 108.4





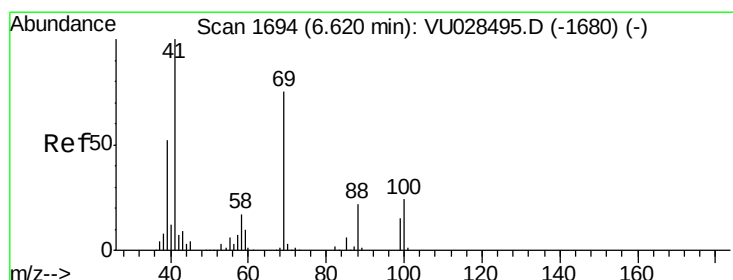
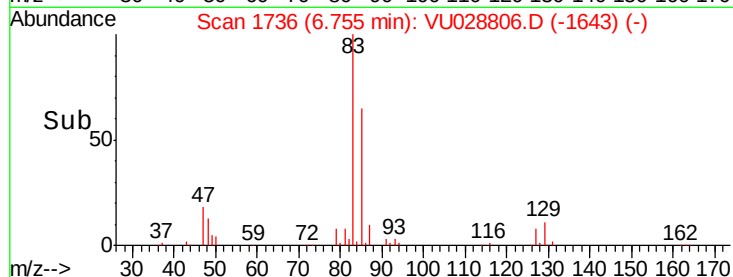
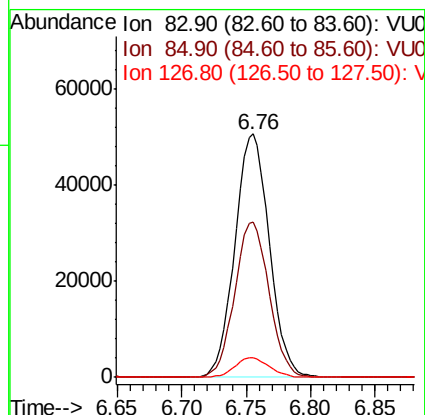
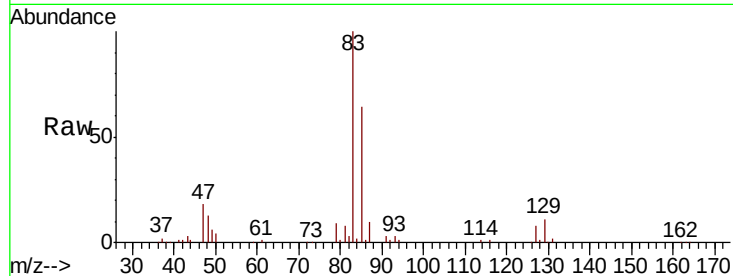
#47
Bromodichloromethane
Concen: 50.643 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MS

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

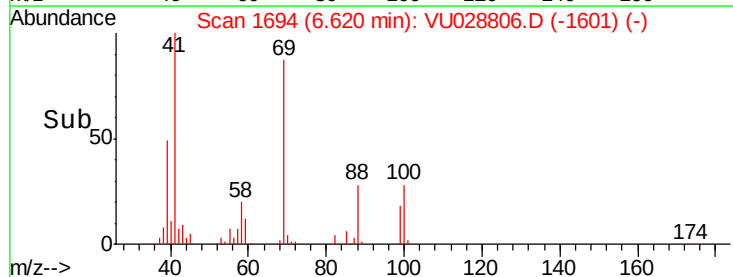
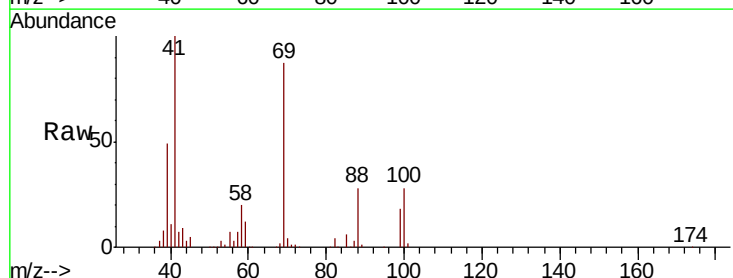
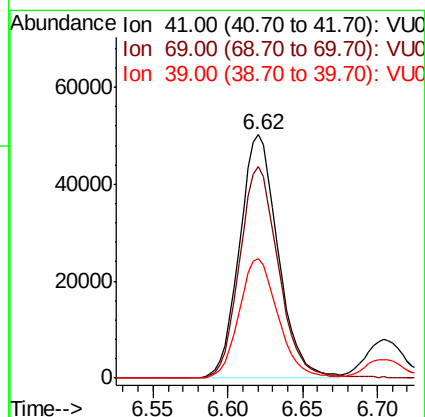
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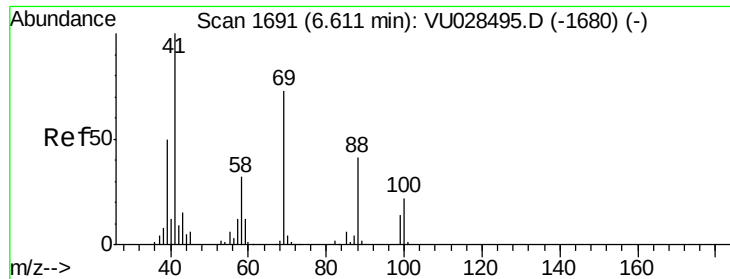
MMDadoda
12/20/2018 8:58:42 AM



#48
Methyl methacrylate
Concen: 45.634 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.9	60.4	90.6
39	49.4	41.1	61.7





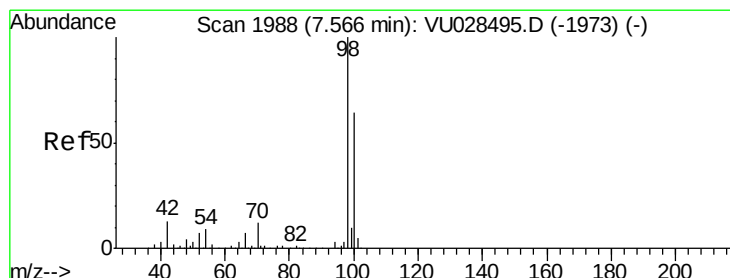
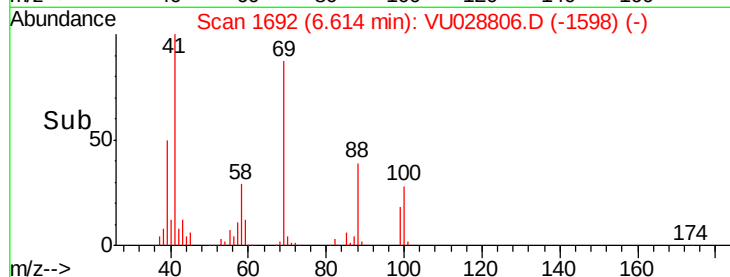
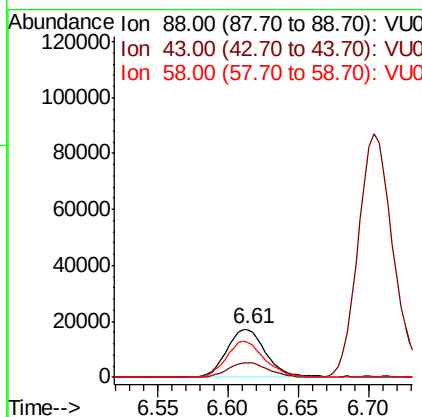
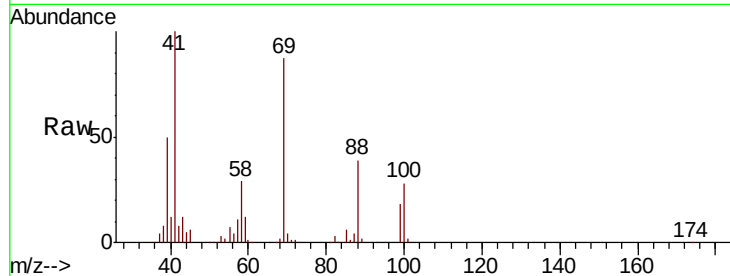
#49
1,4-Dioxane
Concen: 1054.706 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	30.9	46.3
58	74.7	62.4	93.6

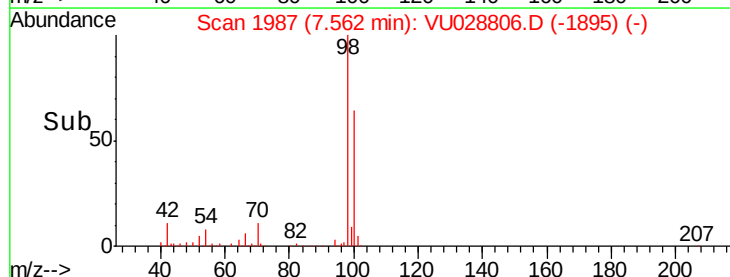
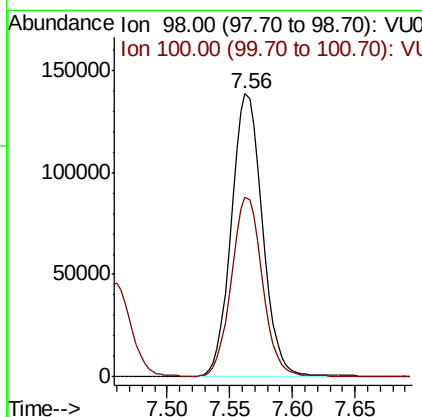
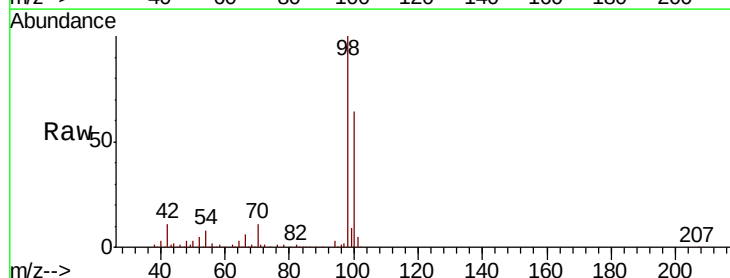
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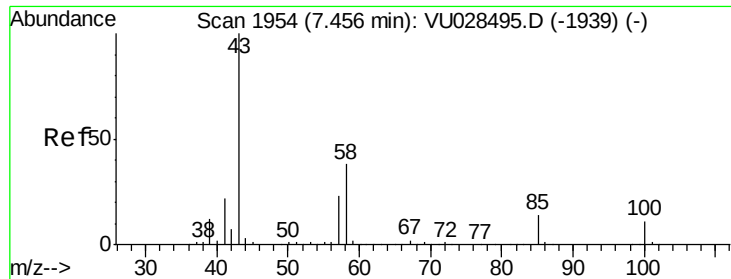
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#50
Toluene-d8
Concen: 54.073 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 232.346 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MS

Tot Ion: 43 Resp: 582365

Ion Ratio Lower Upper

43 100

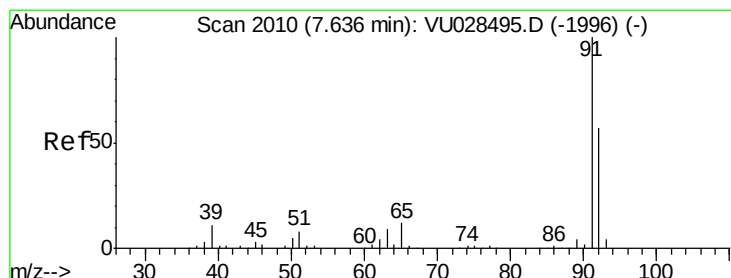
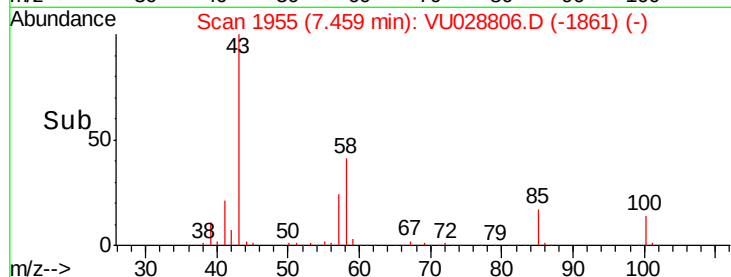
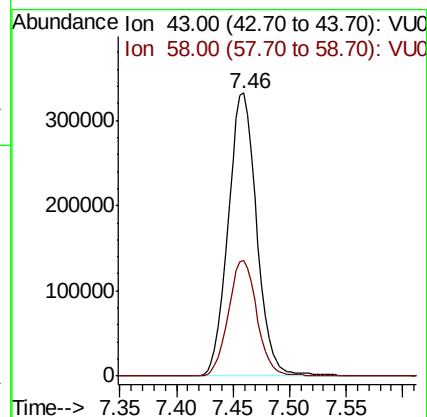
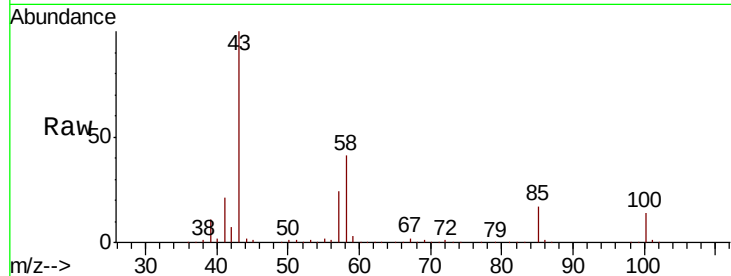
58 41.1 30.2 45.2

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#52

Toluene

Concen: 55.195 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028806.D

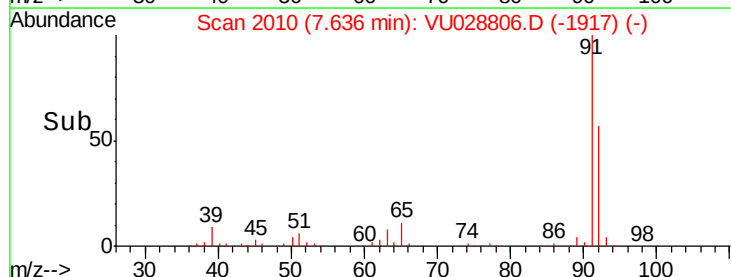
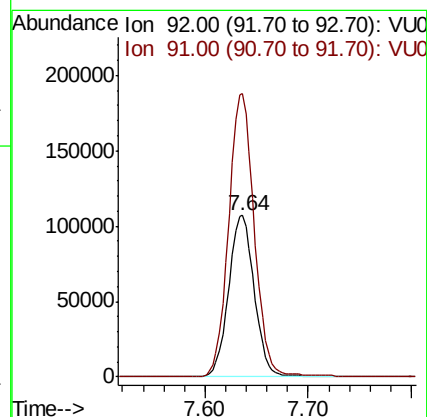
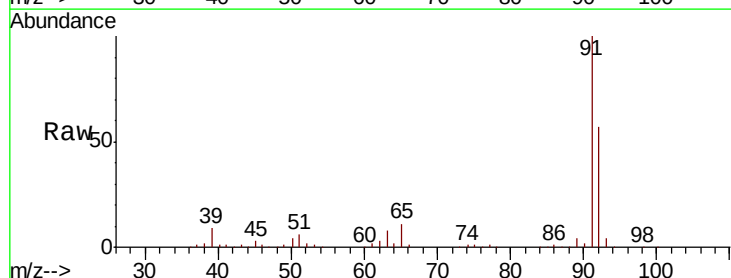
Acq: 19 Dec 2018 20:10

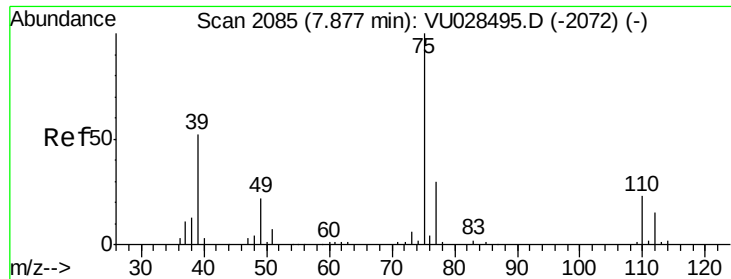
Tgt Ion: 92 Resp: 185944

Ion Ratio Lower Upper

92 100

91 176.0 140.2 210.4





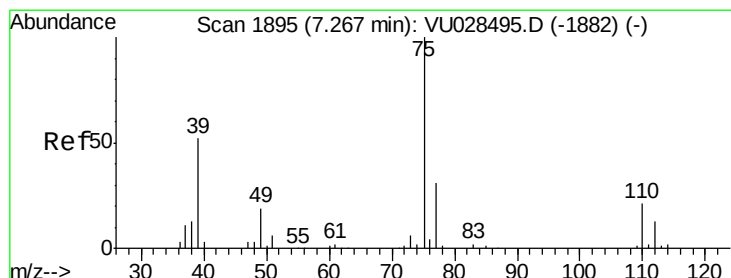
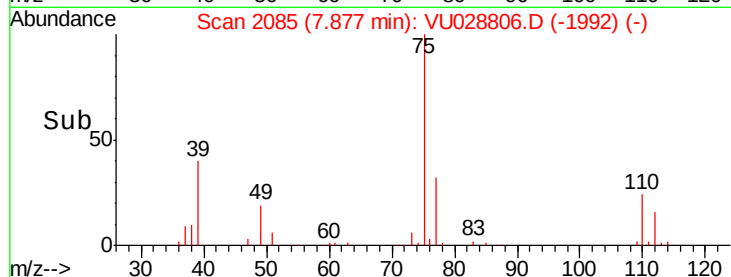
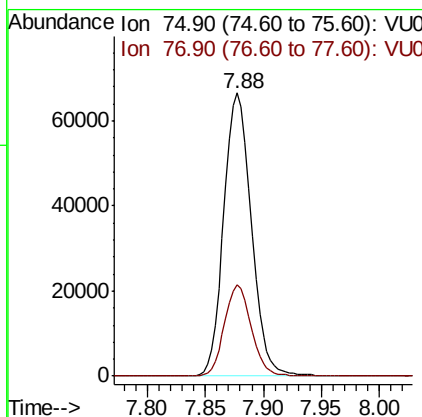
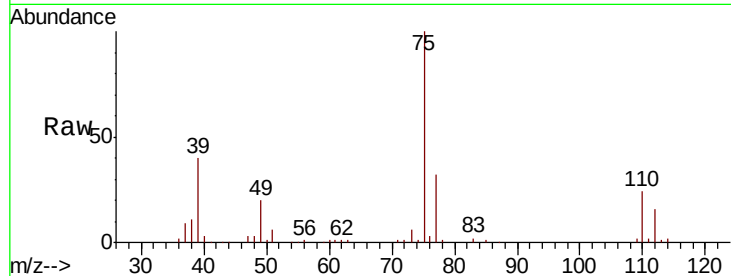
#53
t-1,3-Dichloropropene
Concen: 49.479 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.2	36.4

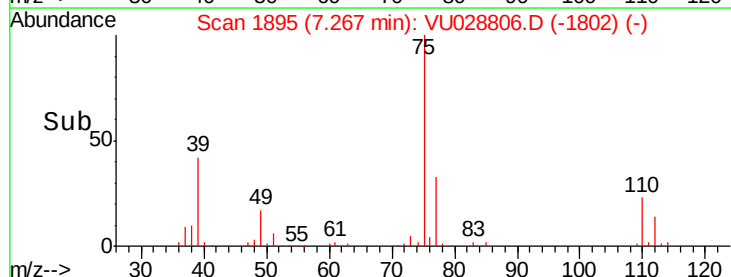
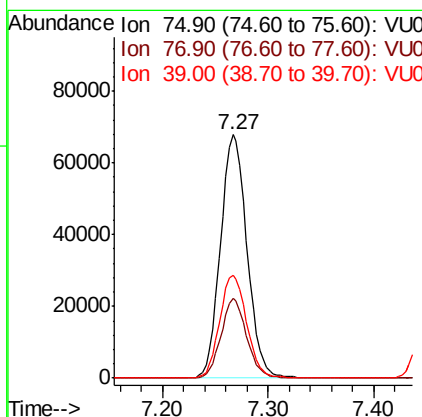
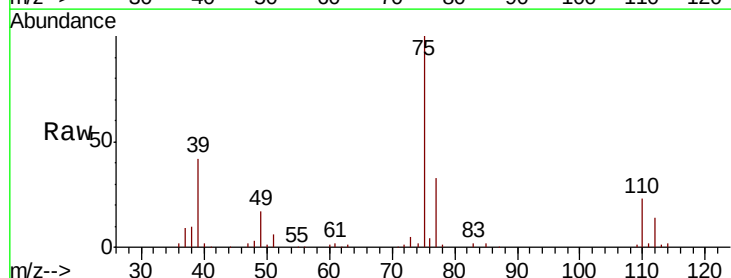
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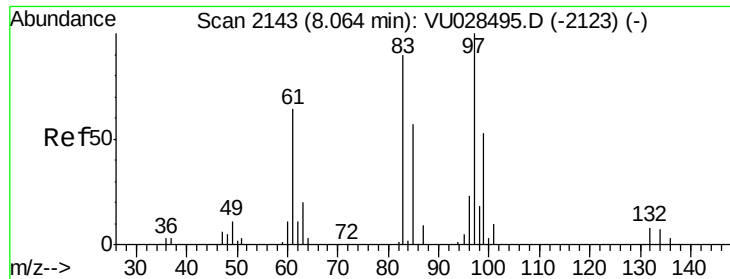
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#54
cis-1,3-Dichloropropene
Concen: 49.249 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.0	37.4
39	42.4	41.3	61.9





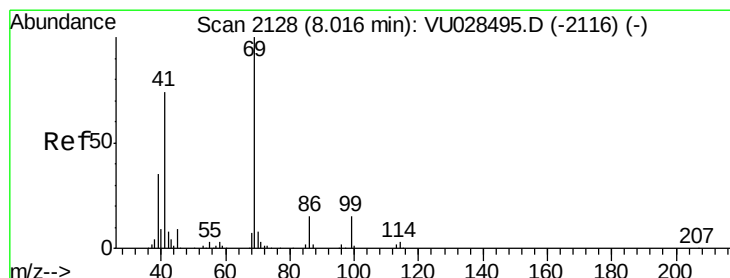
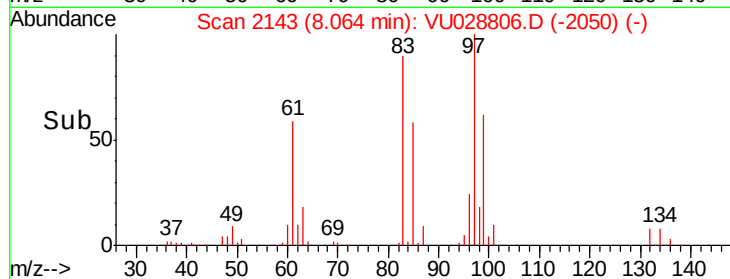
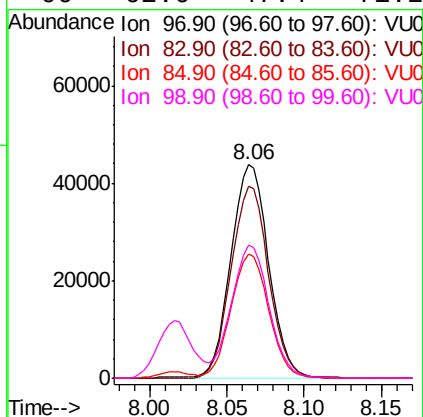
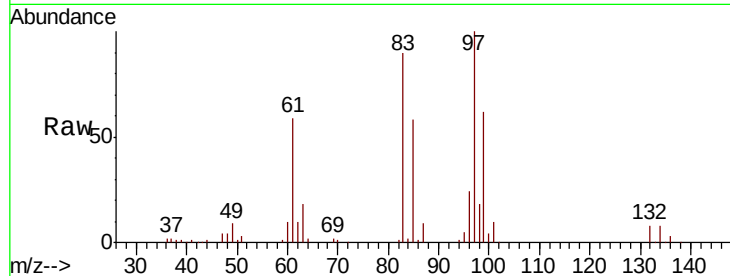
#55
1,1,2-Trichloroethane
Concen: 55.504 ug/l
RT: 8.06 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MS

Tot Ion:	97	Resp:	73914
Ion	Ratio	Lower	Upper
97	100		
83	90.2	72.4	108.6
85	58.2	46.0	69.0
99	62.0	47.4	71.2

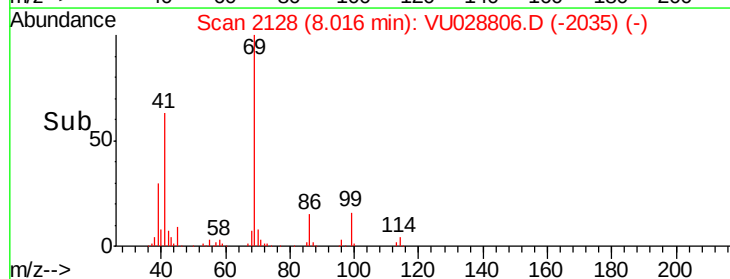
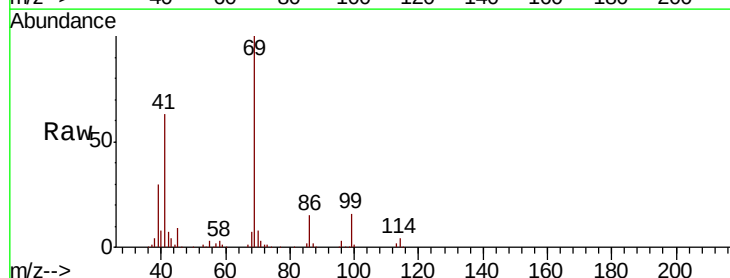
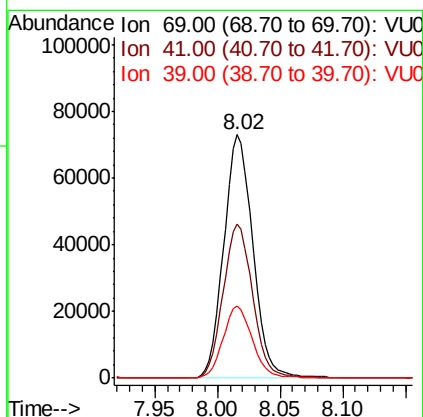
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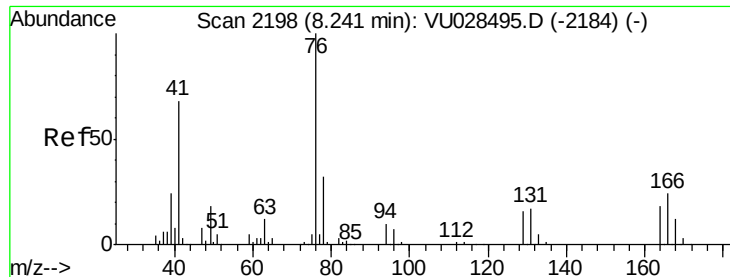
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#56
Ethyl methacrylate
Concen: 51.535 ug/l
RT: 8.02 min Scan# 2128
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Tgt Ion:	69	Resp:	117524
Ion	Ratio	Lower	Upper
69	100		
41	64.2	59.1	88.7
39	29.7	28.4	42.6





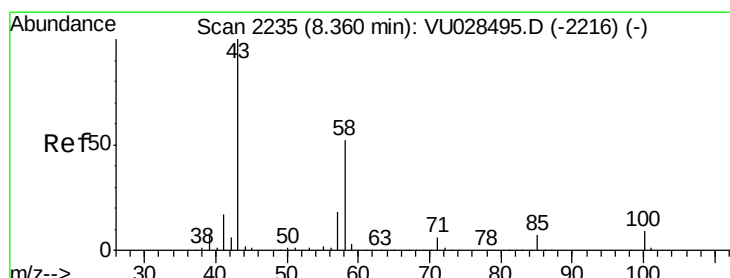
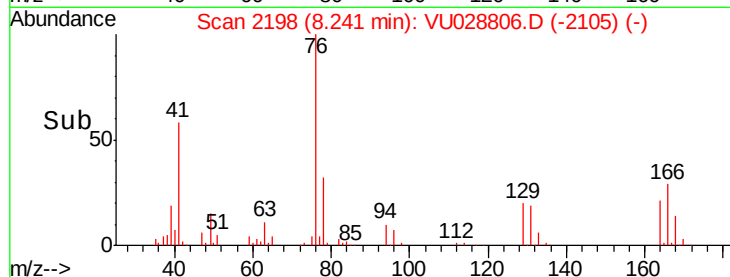
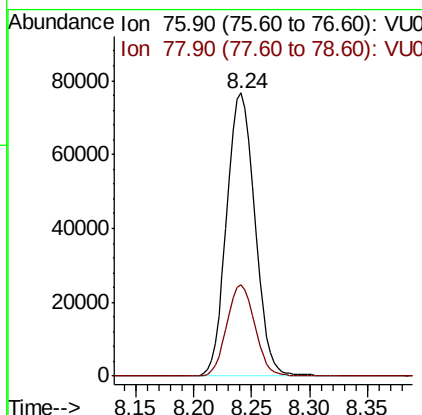
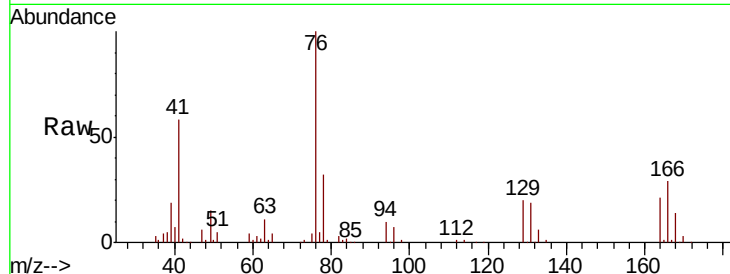
#57
 1,3-Dichloropropane
 Concen: 52.215 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028806.D
 Acq: 19 Dec 2018 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.2	37.8

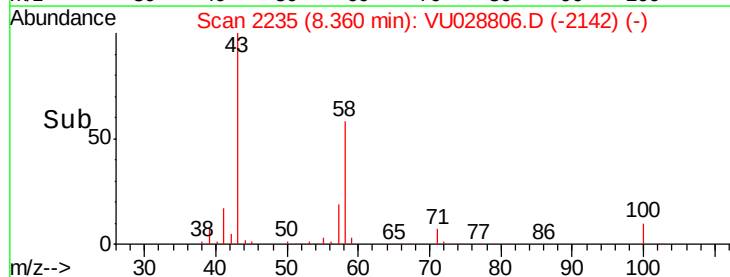
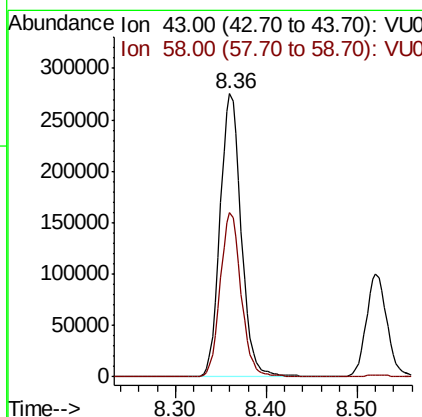
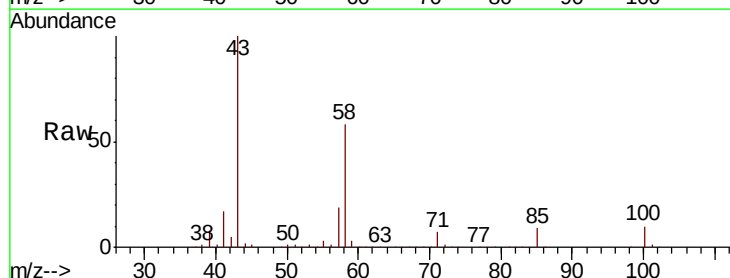
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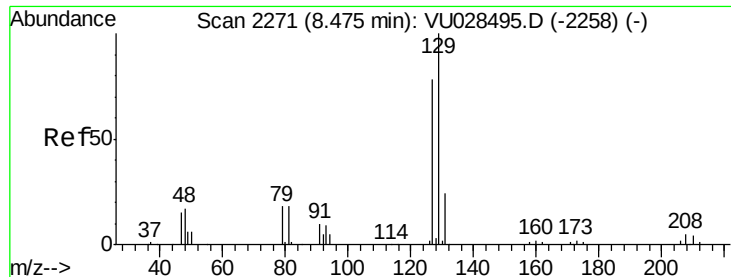
MMDadoda
 12/20/2018 8:58:42 AM



#59
 2-Hexanone
 Concen: 224.657 ug/l
 RT: 8.36 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: VU028806.D
 Acq: 19 Dec 2018 20:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	57.2	25.9	77.6





#60

Dibromochloromethane

Concen: 52.665 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MS

Tot Ion:129 Resp: 68665

Ion Ratio Lower Upper

129 100

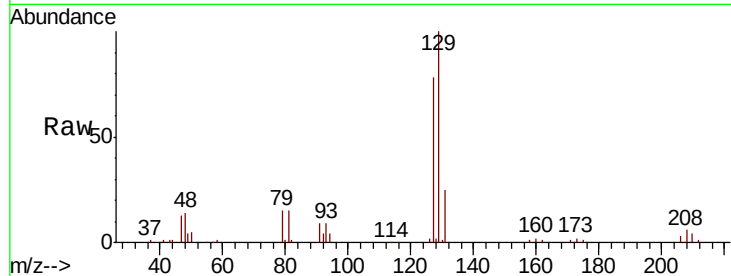
127 78.1 39.1 117.3

Manual Integrations

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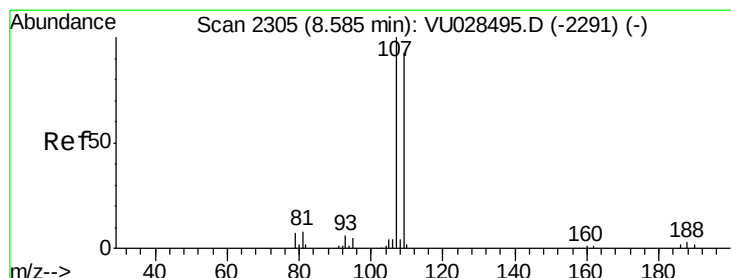
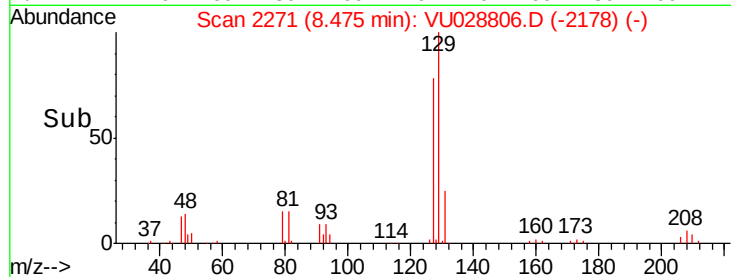
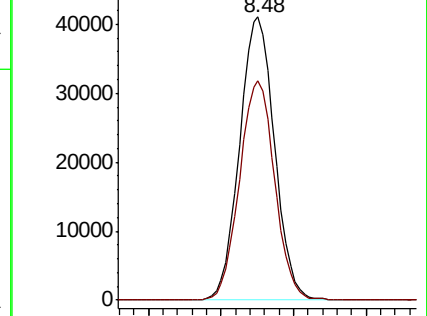
MMDadoda

12/20/2018 8:58:42 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: 55.547 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028806.D

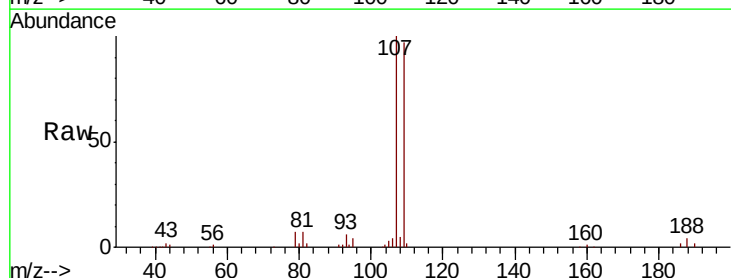
Acq: 19 Dec 2018 20:10

Tgt Ion:107 Resp: 77571

Ion Ratio Lower Upper

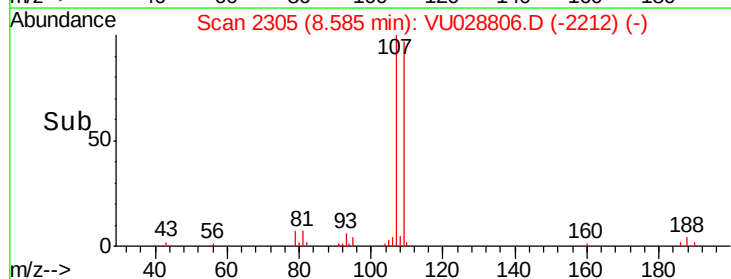
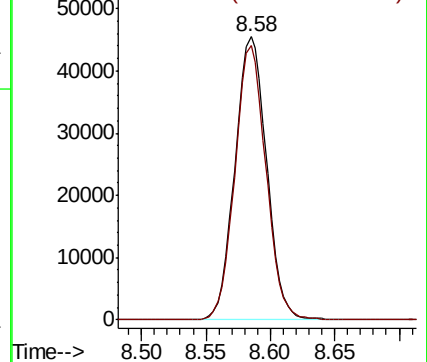
107 100

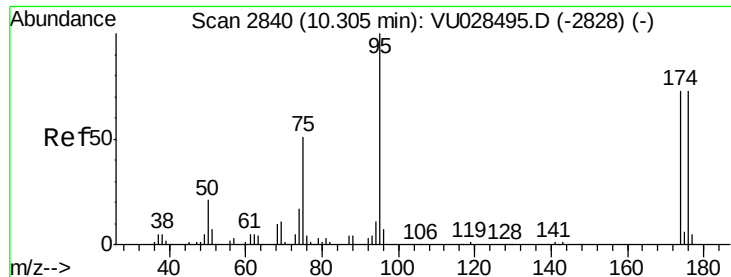
109 94.9 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





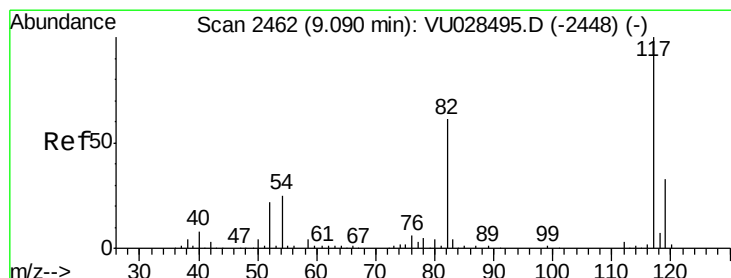
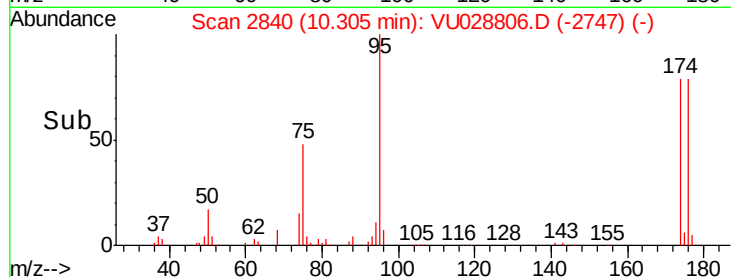
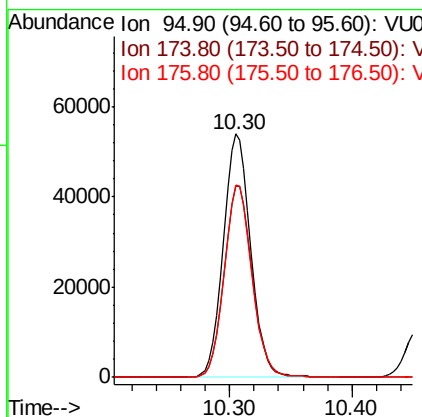
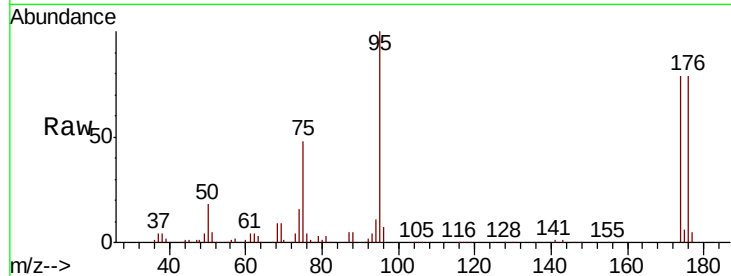
#62
4-Bromofluorobenzene
Concen: 51.616 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MS

Tot Ion	Ratio	Lower	Upper
95	100		
174	80.2	0.0	150.4
176	79.6	0.0	145.2

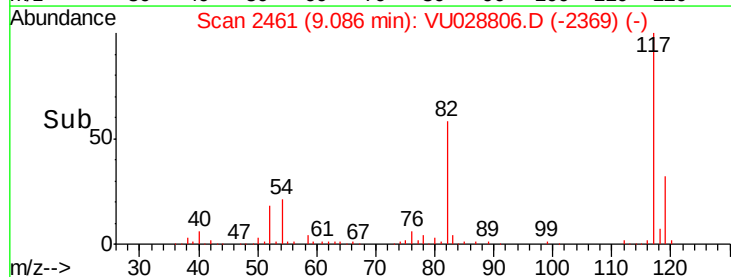
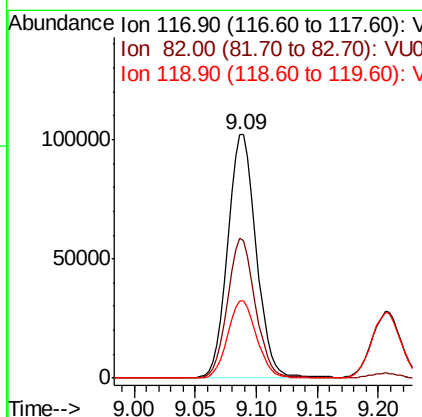
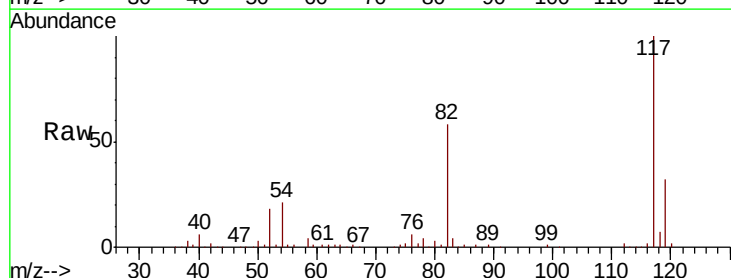
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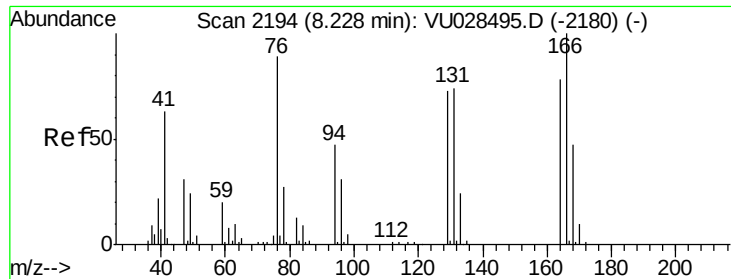
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.7	48.9	73.3
119	31.7	26.2	39.4





#64

Tetrachloroethene

Concen: 63.603 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MS

Tot Ion:164 Resp: 71083

Ion Ratio Lower Upper

164 100

166 129.5 101.9 152.9

129 94.3 74.9 112.3

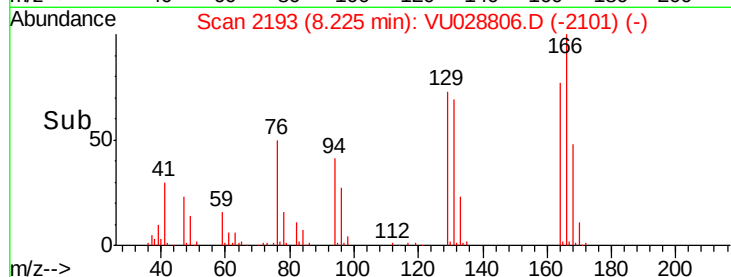
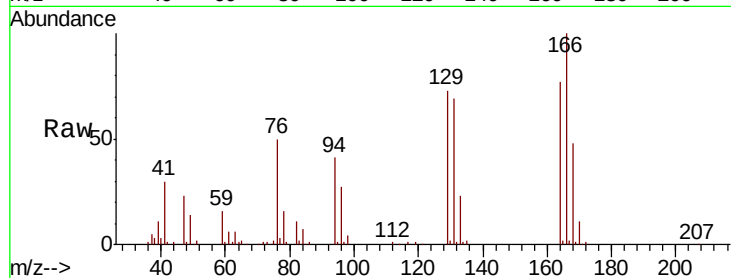
131 89.8 75.4 113.0

Manual Integrations

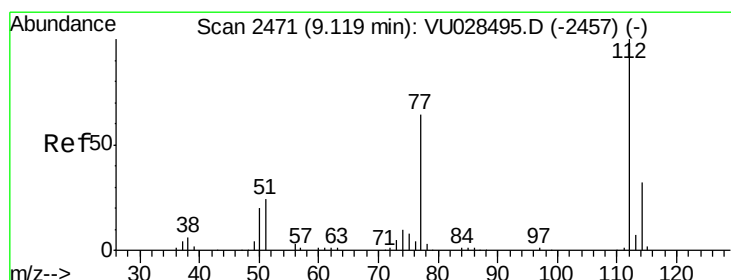
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Time-->



#65

Chlorobenzene

Concen: 53.471 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028806.D

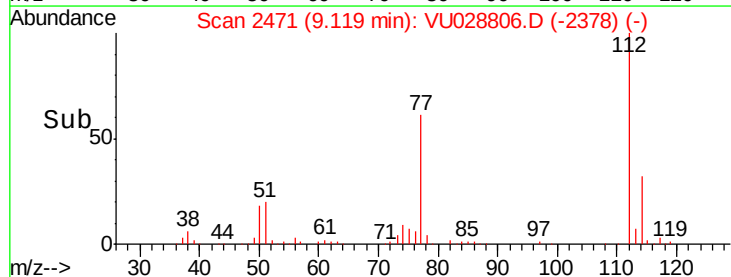
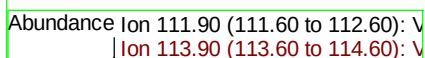
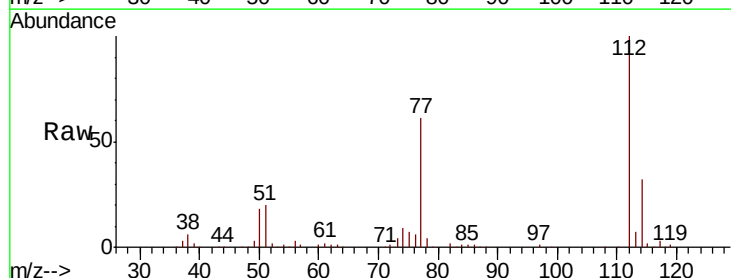
Acq: 19 Dec 2018 20:10

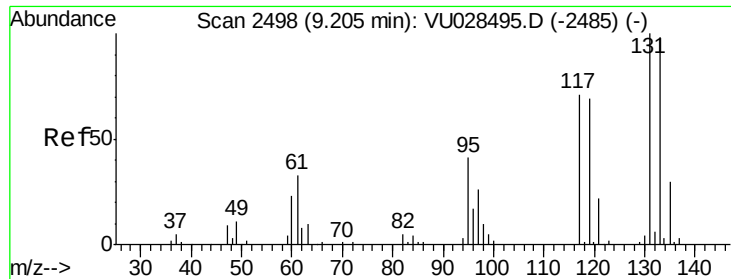
Tgt Ion:112 Resp: 190913

Ion Ratio Lower Upper

112 100

114 32.4 25.3 37.9





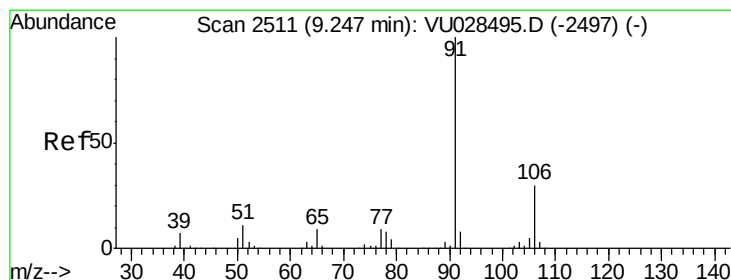
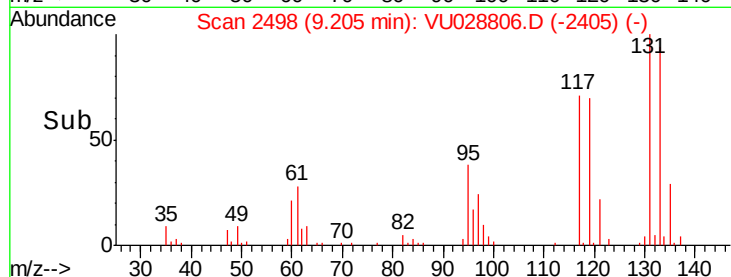
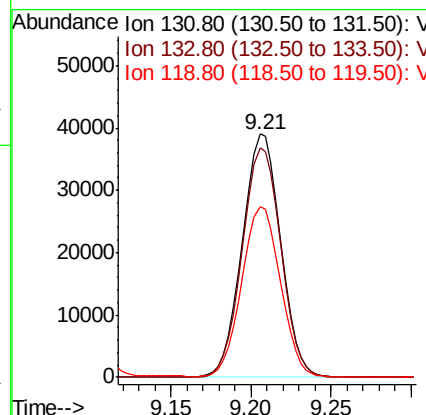
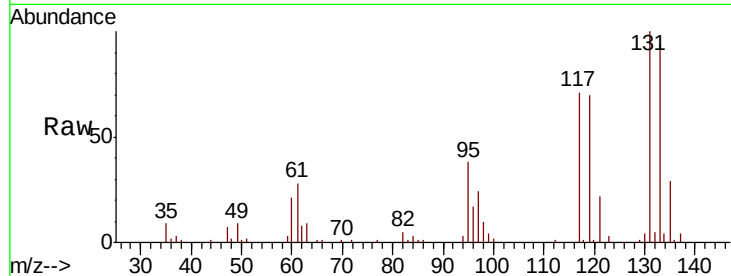
#66
 1,1,1,2-Tetrachloroethane
 Concen: 55.869 ug/l
 RT: 9.21 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: VU028806.D
 Acq: 19 Dec 2018 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.0	144.0
119	71.1	34.6	103.9

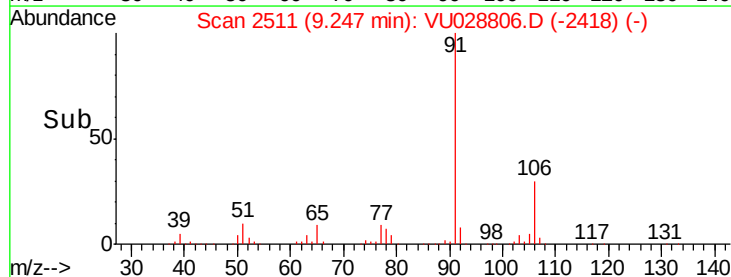
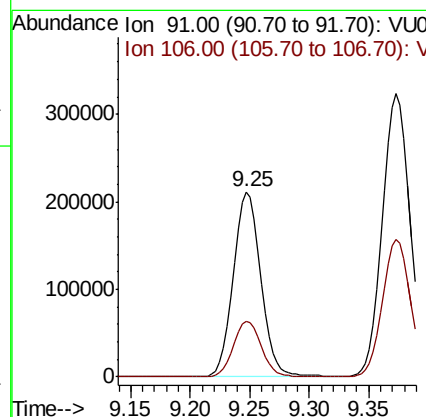
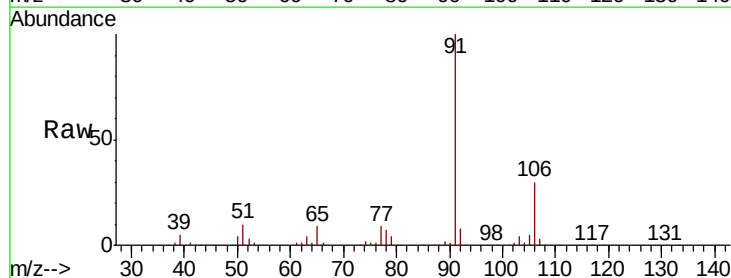
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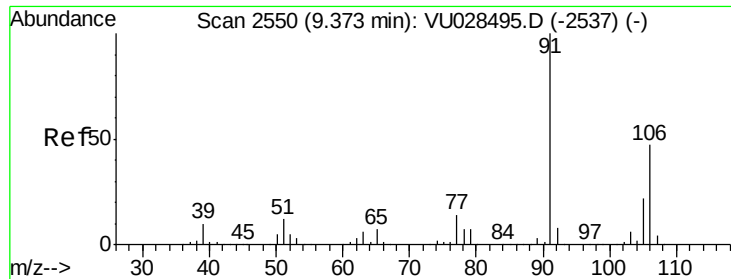
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#67
 Ethyl Benzene
 Concen: 51.784 ug/l
 RT: 9.25 min Scan# 2511
 Delta R.T. -0.00 min
 Lab File: VU028806.D
 Acq: 19 Dec 2018 20:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.1	36.1





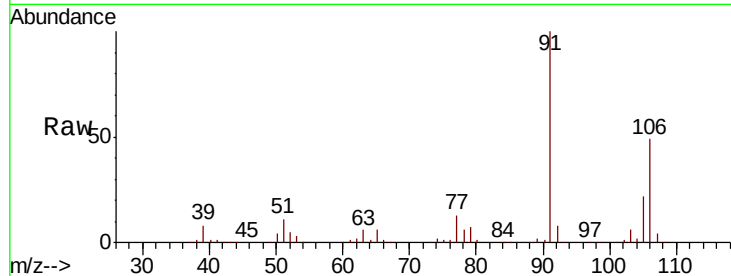
#68
m/p-Xylenes
Concen: 108.148 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MS

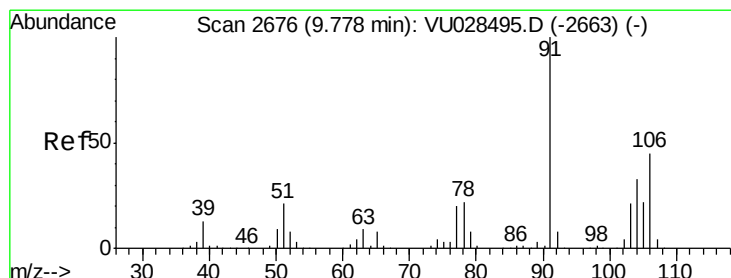
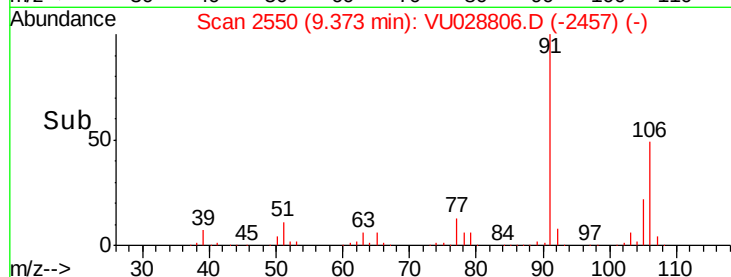
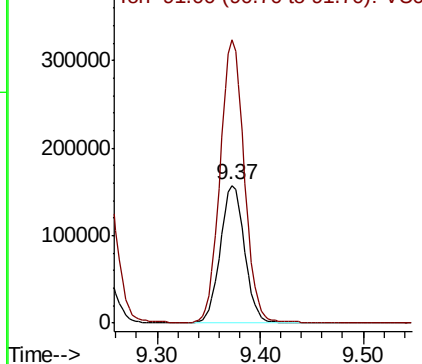
Tot Ion:106 Resp: 258288
Ion Ratio Lower Upper
106 100
91 205.1 167.4 251.0

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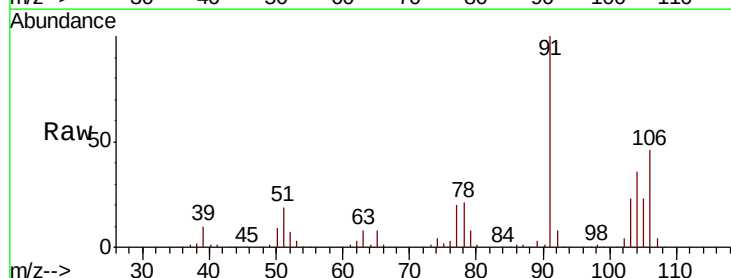


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

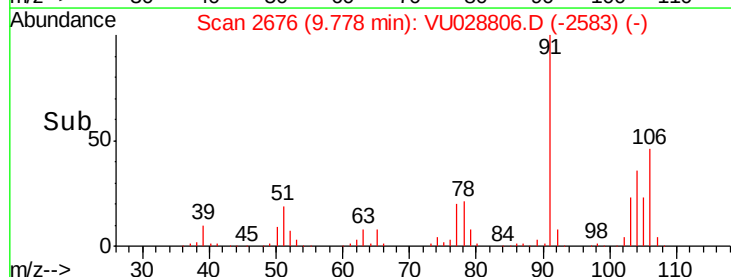
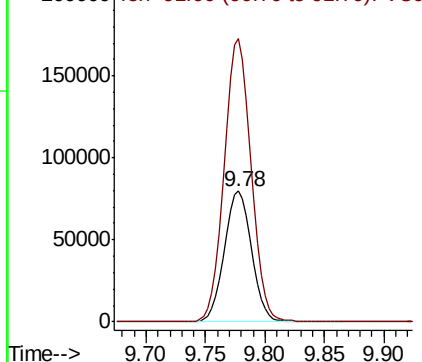


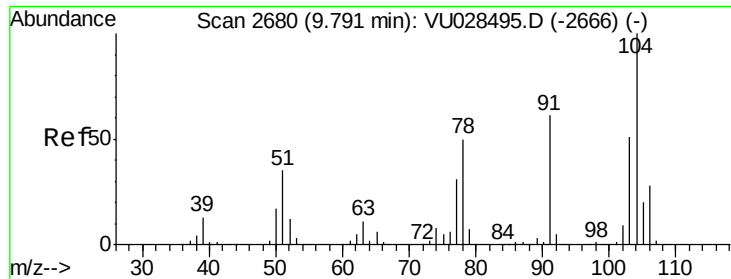
#69
o-Xylene
Concen: 54.557 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Tgt Ion:106 Resp: 126622
Ion Ratio Lower Upper
106 100
91 213.9 111.3 334.0



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





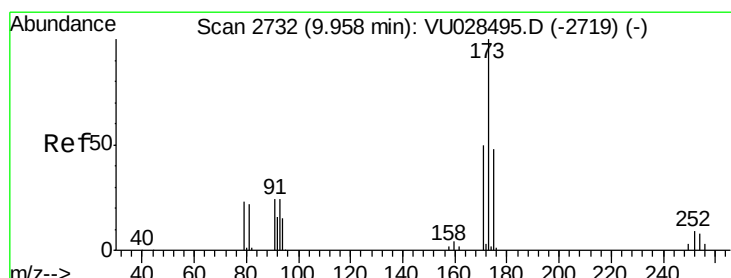
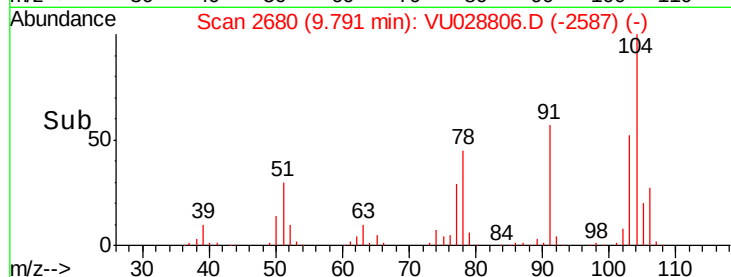
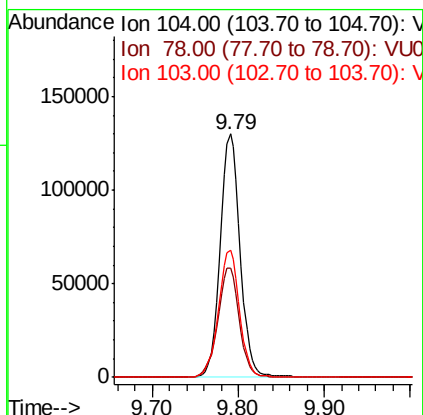
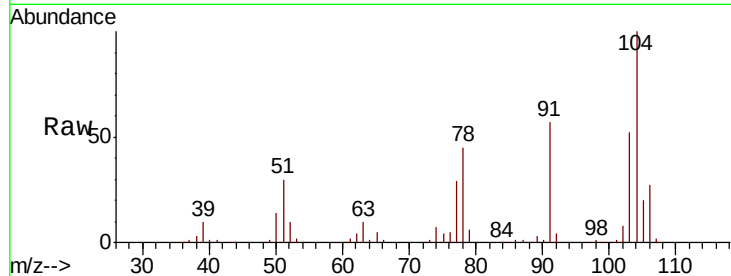
#70
Stvrene
Concen: 54.450 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.7	43.0	64.6
103	55.3	44.2	66.4

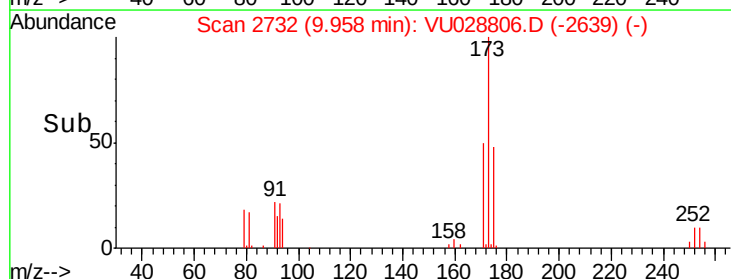
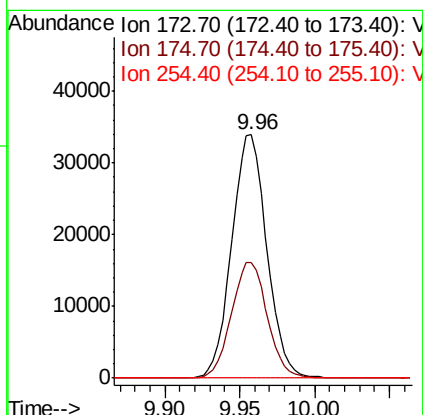
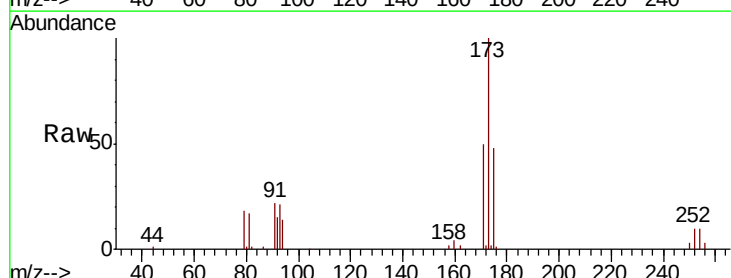
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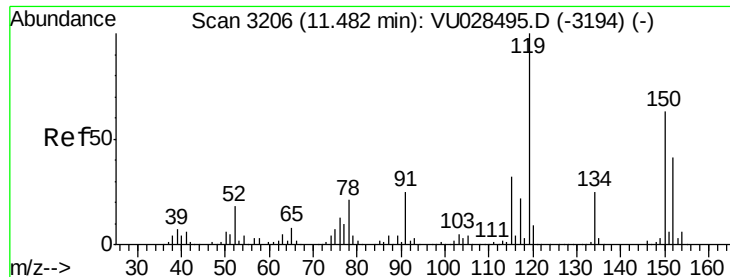
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#71
Bromoform
Concen: 57.156 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	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: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MS

Tot Ion:152 Resp: 84373

Ion Ratio Lower Upper

152 100

115 83.1 42.7 128.1

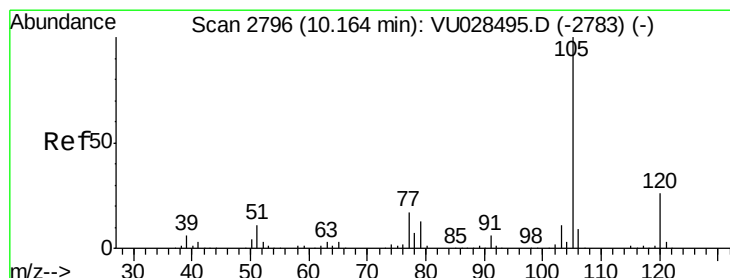
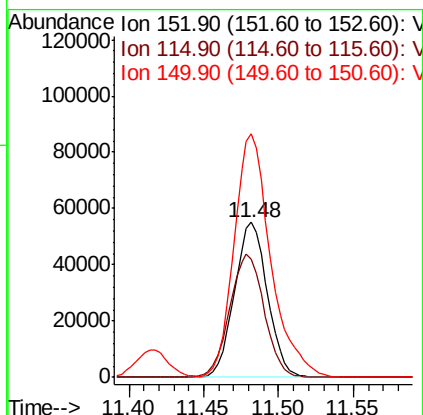
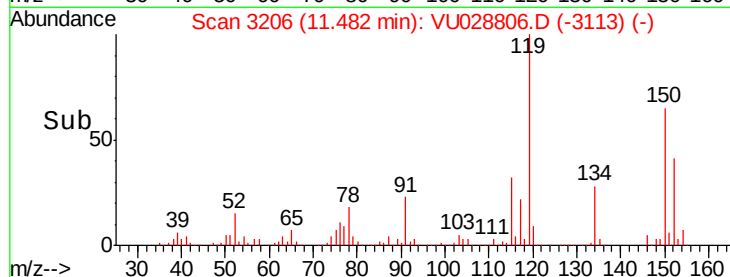
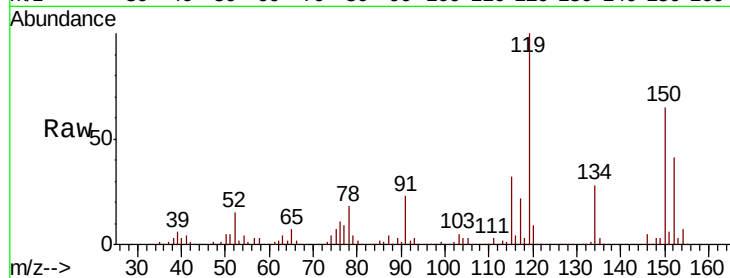
150 174.7 0.0 346.0

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#73

Isopropylbenzene

Concen: 50.419 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028806.D

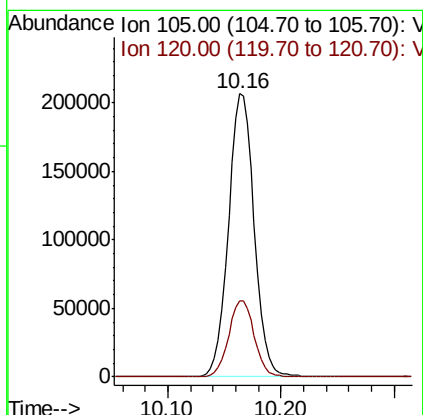
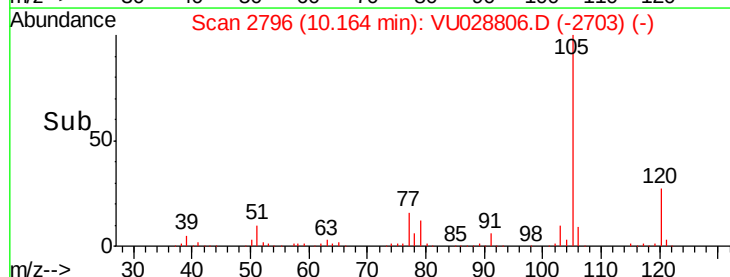
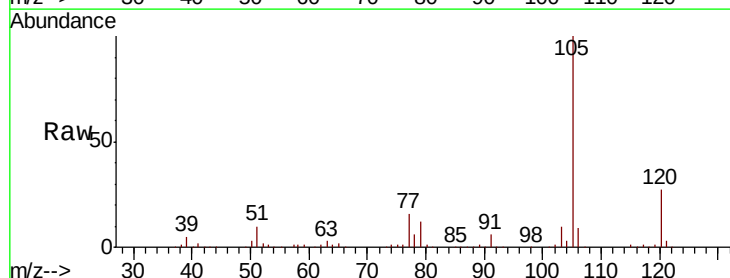
Acq: 19 Dec 2018 20:10

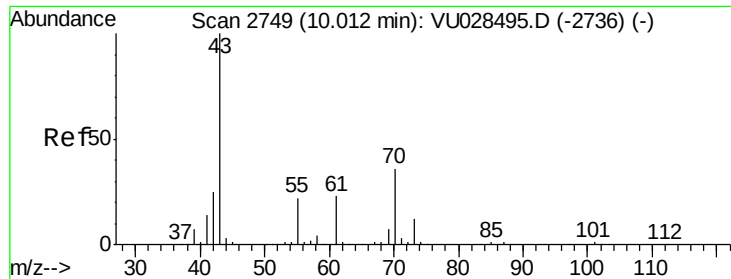
Tgt Ion:105 Resp: 326422

Ion Ratio Lower Upper

105 100

120 26.7 12.9 38.6





#74

N-amvl acetate

Concen: 41.167 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

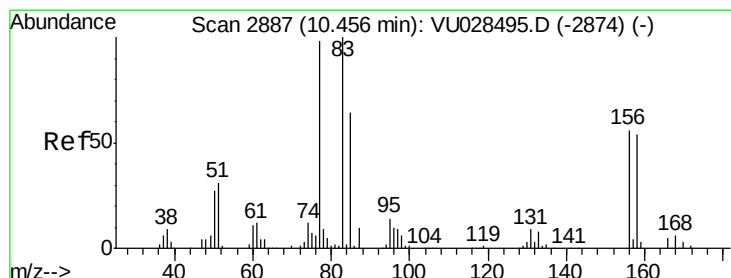
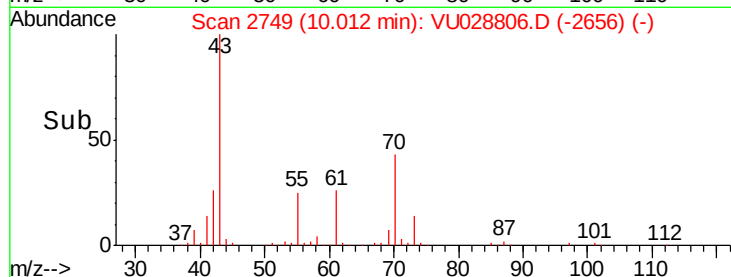
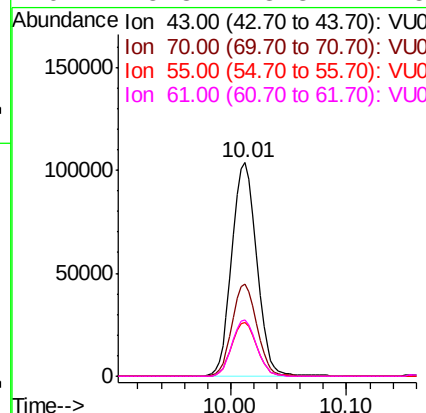
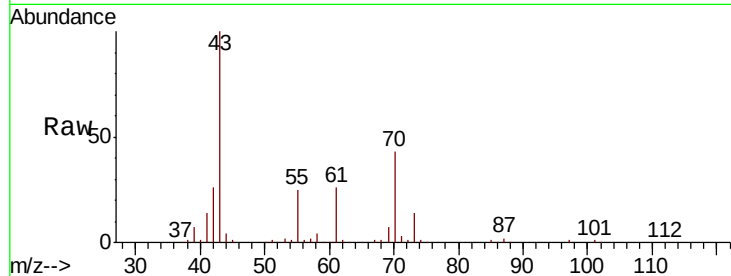
ClientSampleId :

S49-0492MS

Tot Ion	Ion	Ratio	Lower	Upper
43	43.00 (42.70 to 43.70): VU0	100		
70	70.00 (69.70 to 70.70): VU0	43.2	29.3	43.9
55	55.00 (54.70 to 55.70): VU0	25.4	18.0	27.0
61	61.00 (60.70 to 61.70): VU0	25.8	18.3	27.5

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#75

1,1,2,2-Tetrachloroethane

Concen: 52.747 ug/l

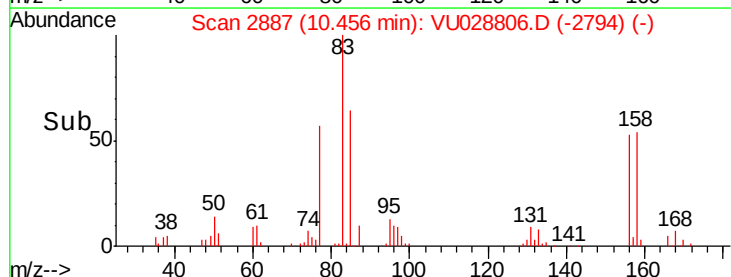
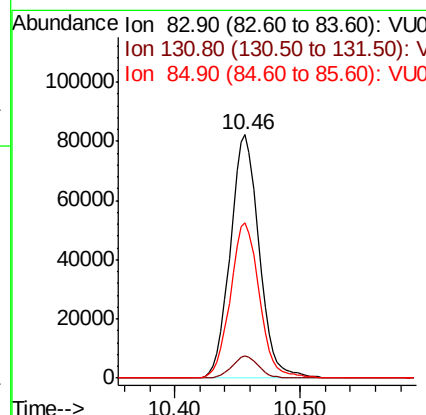
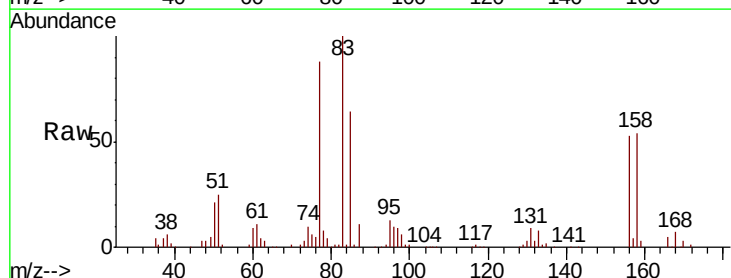
RT: 10.46 min Scan# 2887

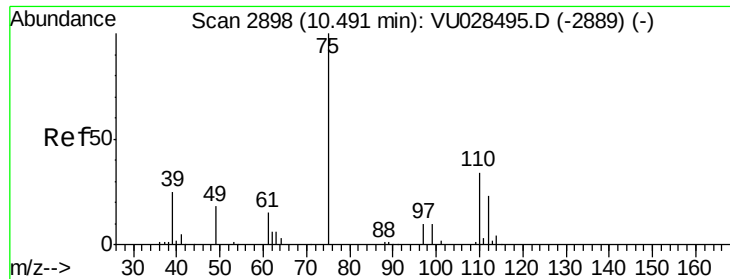
Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Tgt Ion	Ion	Ratio	Lower	Upper
83	82.90 (82.60 to 83.60): VU0	100		
131	130.80 (130.50 to 131.50): V	8.4	4.2	12.4
85	84.90 (84.60 to 85.60): VU0	64.4	31.8	95.4





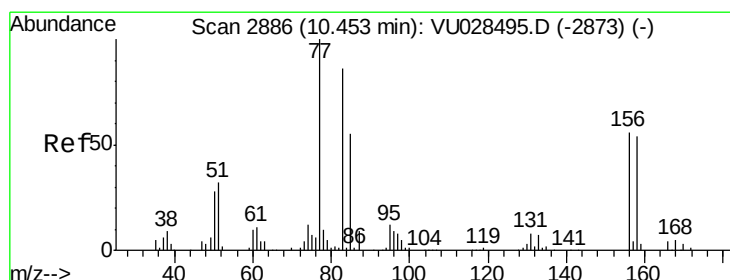
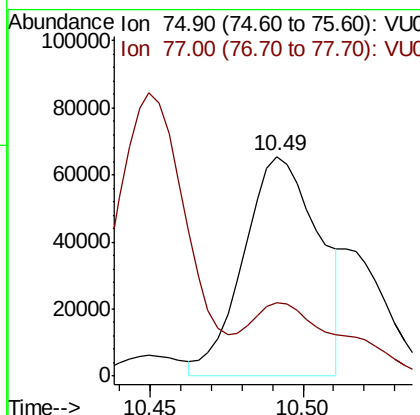
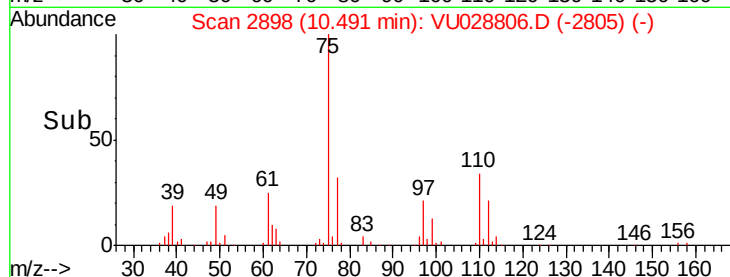
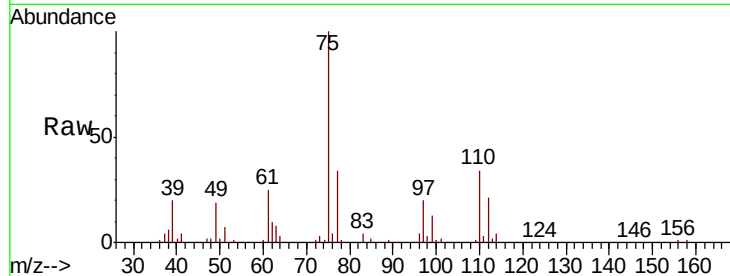
#76
 1,2,3-Trichloropropane
 Concen: 52.009 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU028806.D
 Acq: 19 Dec 2018 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MS

Tot Ion: 75 Resp: 112052
 Ion Ratio Lower Upper
 75 100
 77 41.0 20.8 62.4

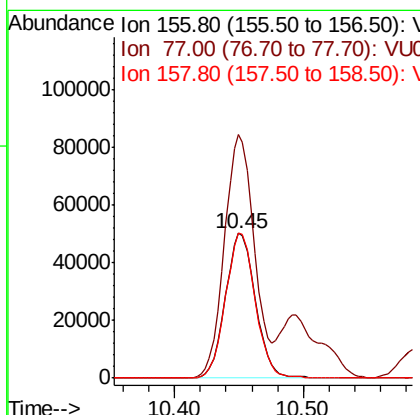
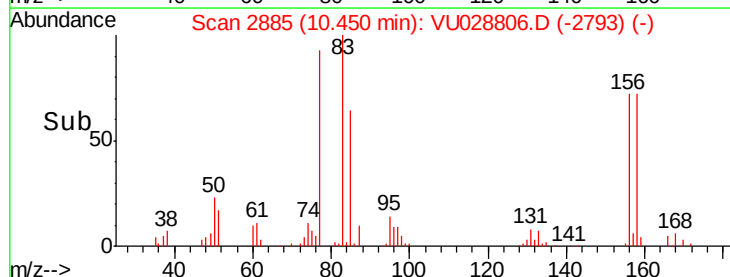
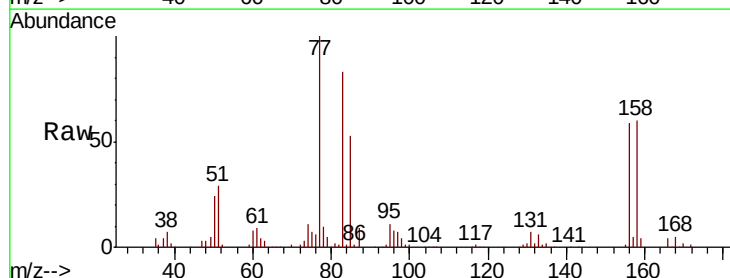
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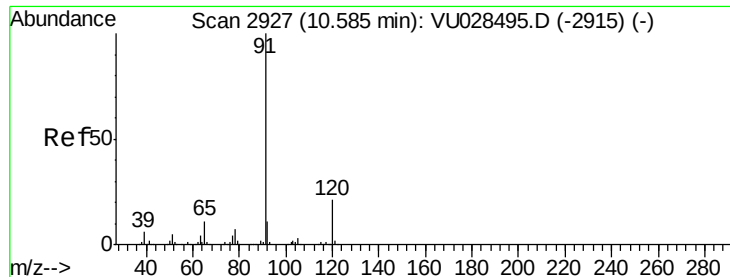
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#77
 Bromobenzene
 Concen: 53.449 ug/l
 RT: 10.45 min Scan# 2885
 Delta R.T. -0.00 min
 Lab File: VU028806.D
 Acq: 19 Dec 2018 20:10

Tgt Ion: 156 Resp: 80930
 Ion Ratio Lower Upper
 156 100
 77 167.4 92.4 277.2
 158 99.3 48.4 145.3





#78

n-propylbenzene

Concen: 48.842 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MS

Tot Ion: 91 Resp: 392929

Ion Ratio Lower Upper

91 100

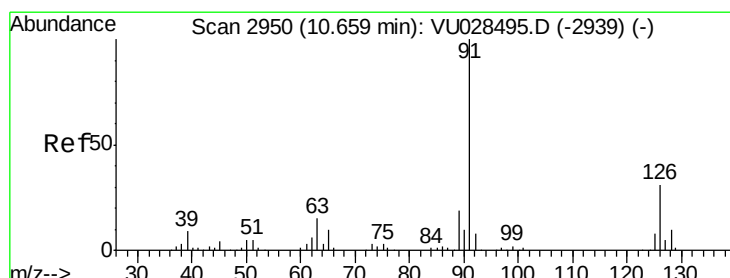
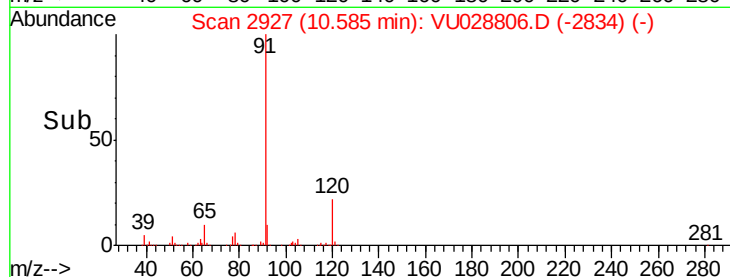
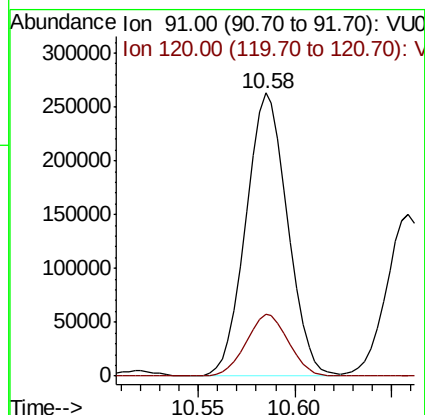
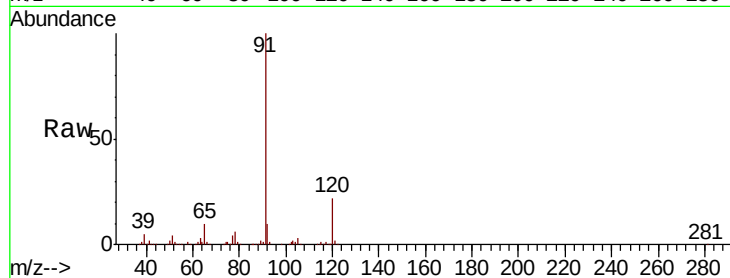
120 22.1 10.6 31.8

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#79

2-Chlorotoluene

Concen: 50.170 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028806.D

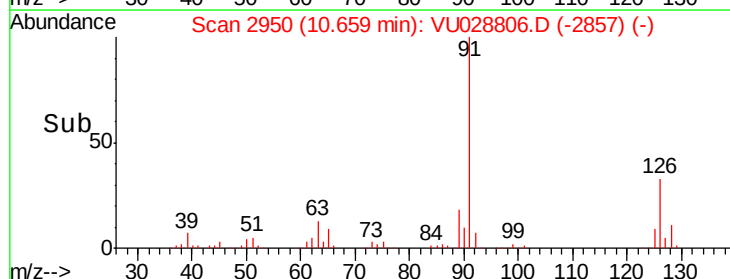
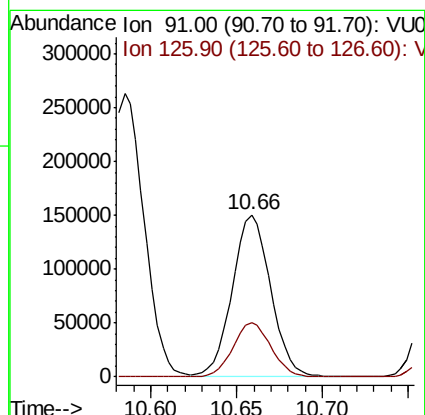
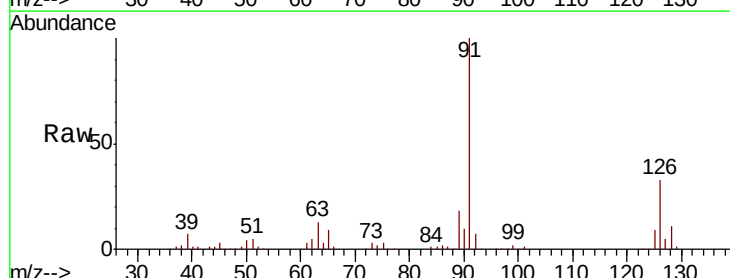
Acq: 19 Dec 2018 20:10

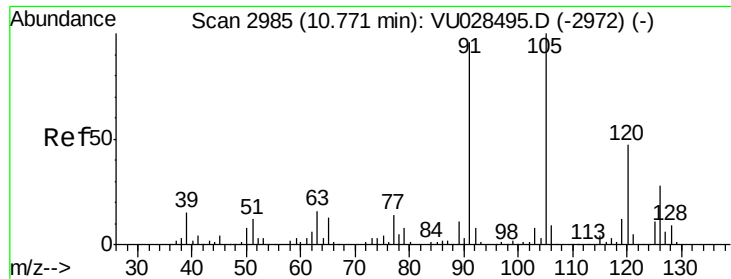
Tgt Ion: 91 Resp: 232489

Ion Ratio Lower Upper

91 100

126 33.4 15.6 46.8





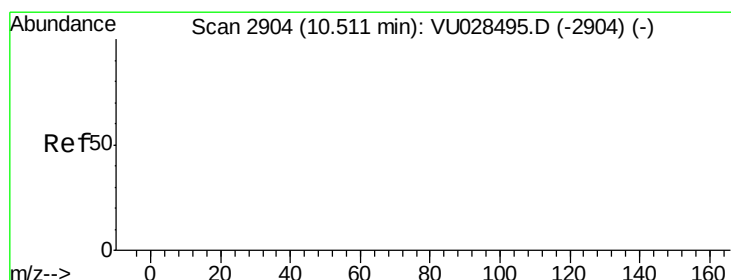
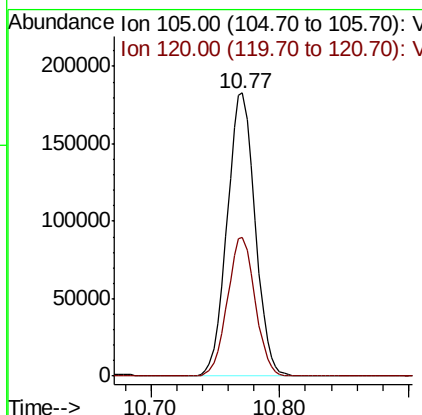
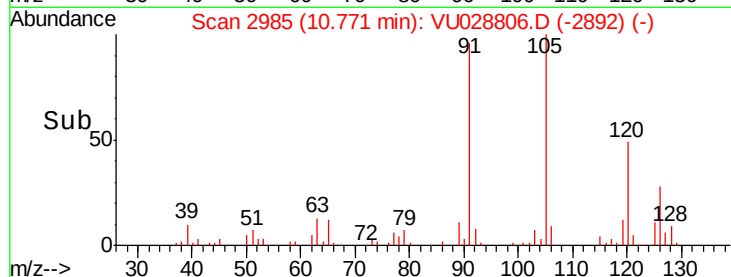
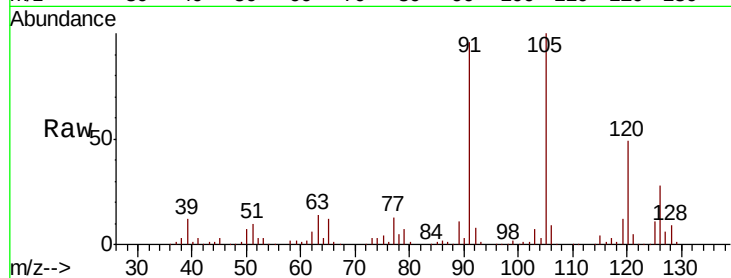
#80
 1,3,5-Trimethylbenzene
 Concen: 51.185 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028806.D
 Acq: 19 Dec 2018 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MS

Tot Ion:105 Resp: 274309
 Ion Ratio Lower Upper
 105 100
 120 48.8 23.7 71.1

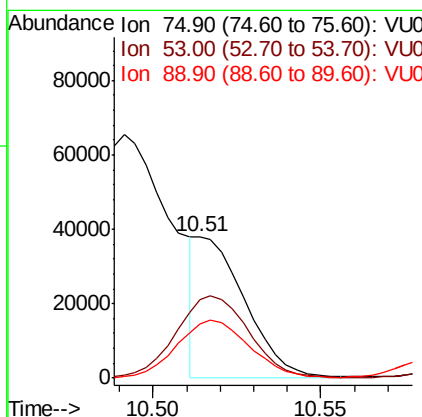
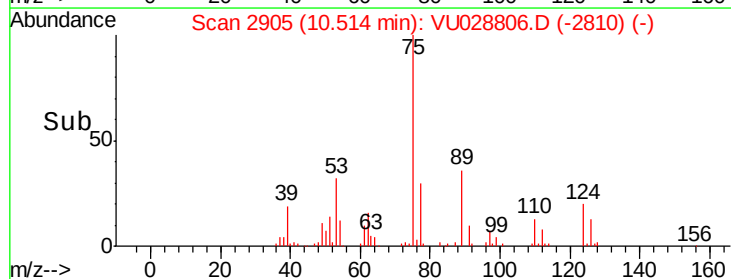
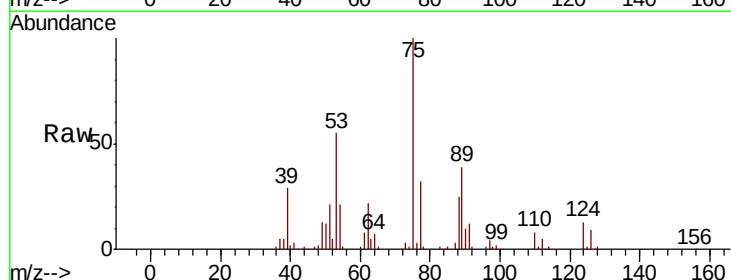
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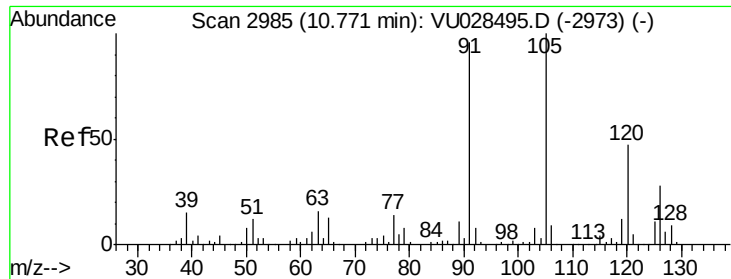
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.027 ug/l m
 RT: 10.51 min Scan# 2905
 Delta R.T. 0.00 min
 Lab File: VU028806.D
 Acq: 19 Dec 2018 20:10

Tgt Ion: 75 Resp: 38524
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 48.207 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

ClientSampleId :

S49-0492MS

Tot Ion: 91 Resp: 264722

Ion Ratio Lower Upper

91 100

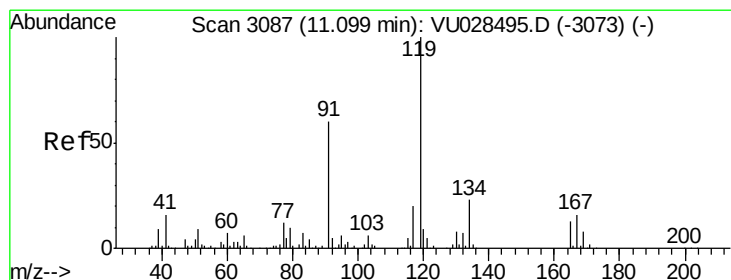
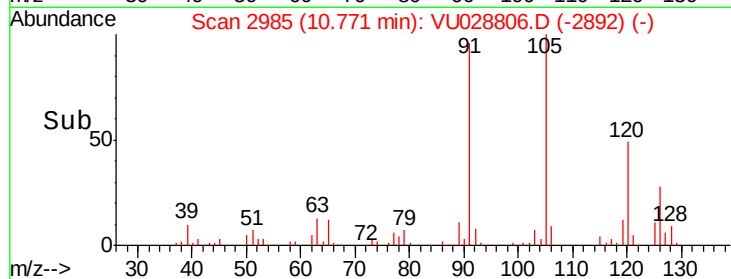
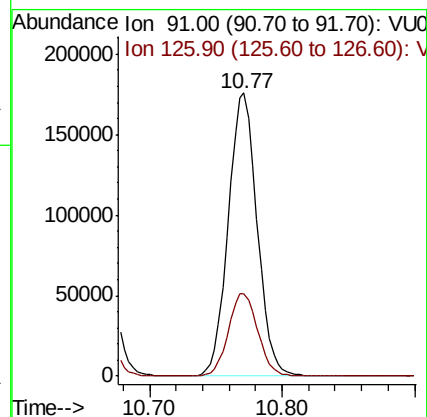
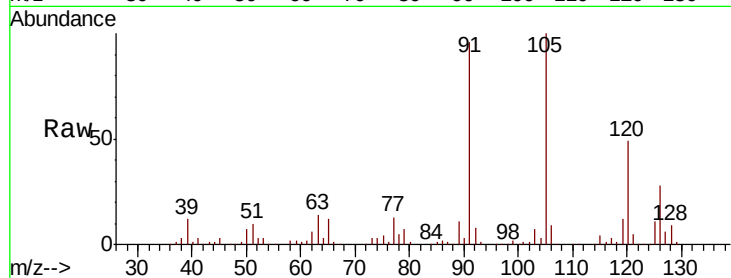
126 29.8 14.1 42.3

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#83

tert-Butylbenzene

Concen: 51.136 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

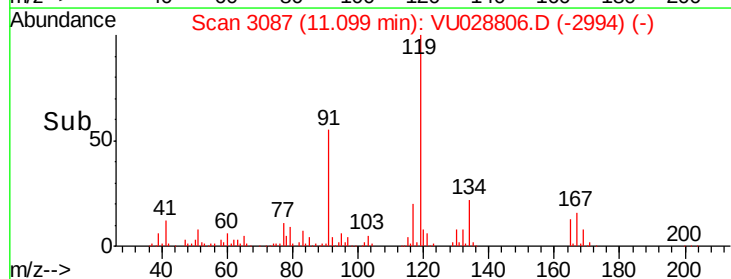
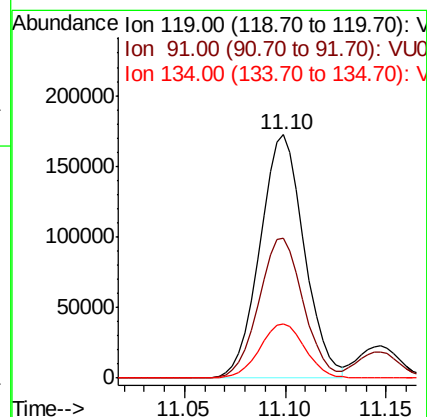
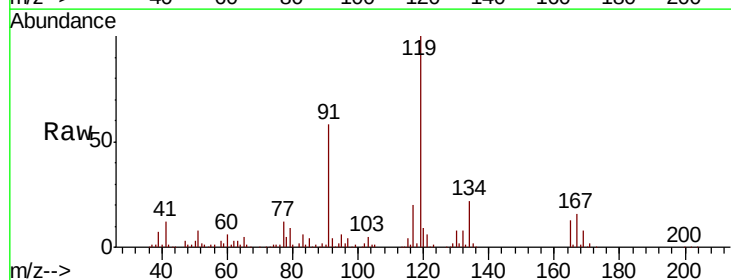
Tgt Ion: 119 Resp: 264142

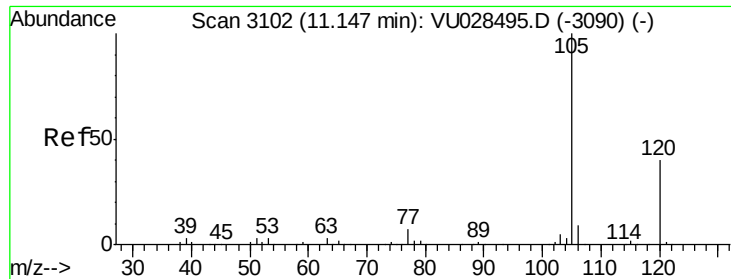
Ion Ratio Lower Upper

119 100

91 57.5 30.3 91.0

134 22.6 11.2 33.5





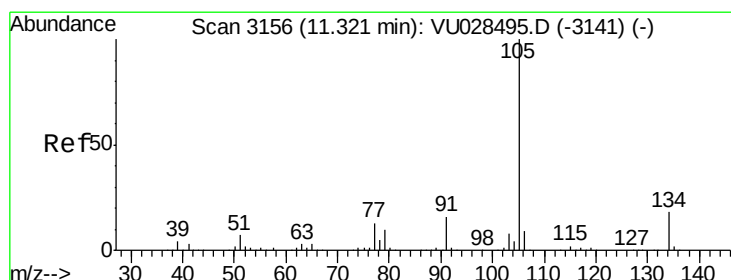
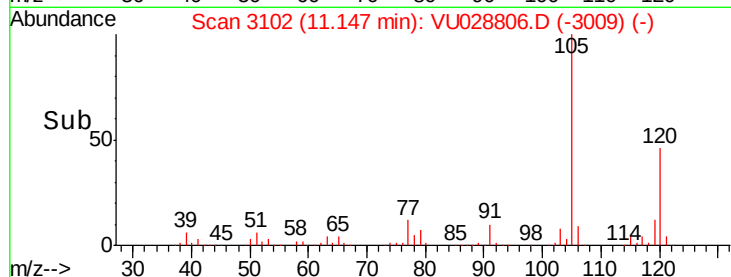
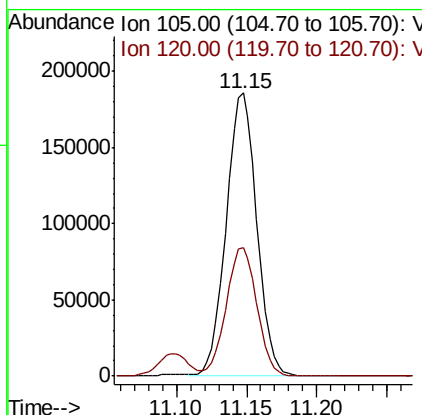
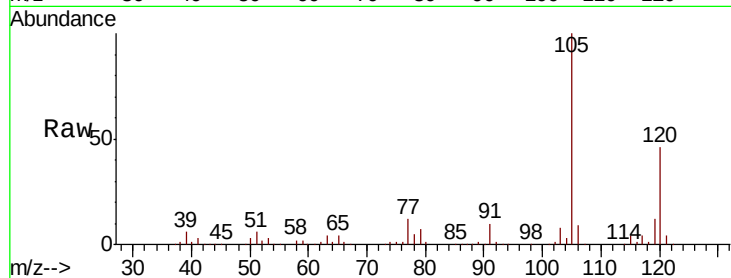
#84
1,2,4-Trimethylbenzene
Concen: 50.767 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MS

Tot Ion:105 Resp: 280392
Ion Ratio Lower Upper
105 100
120 45.8 21.8 65.4

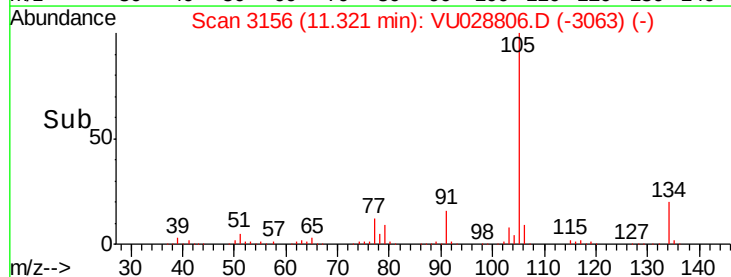
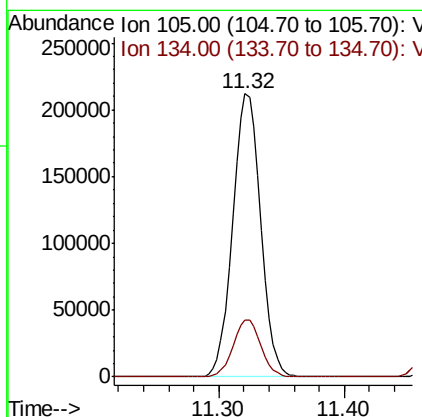
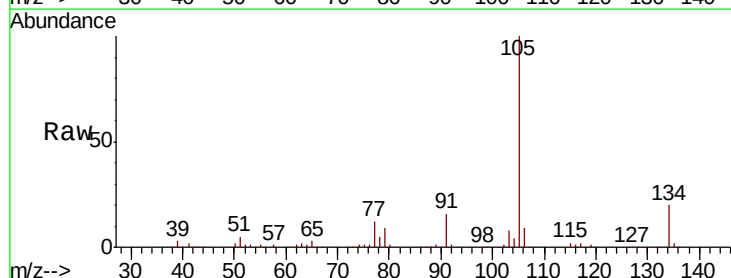
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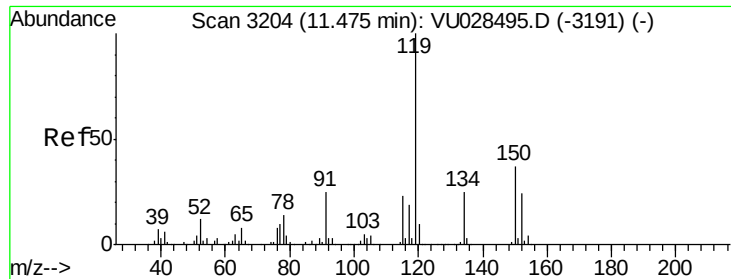
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#85
sec-Butylbenzene
Concen: 49.295 ug/l
RT: 11.32 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Tgt Ion:105 Resp: 327120
Ion Ratio Lower Upper
105 100
134 19.9 9.2 27.6





#86

p-Isopropyltoluene

Concen: 49.673 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

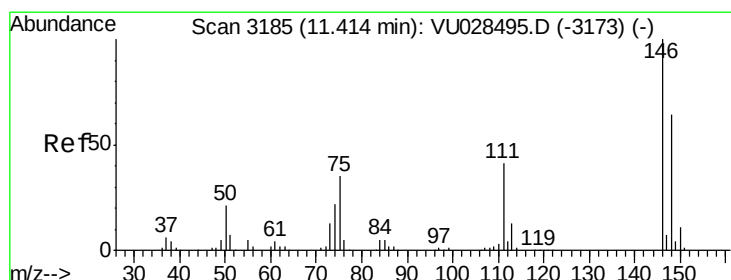
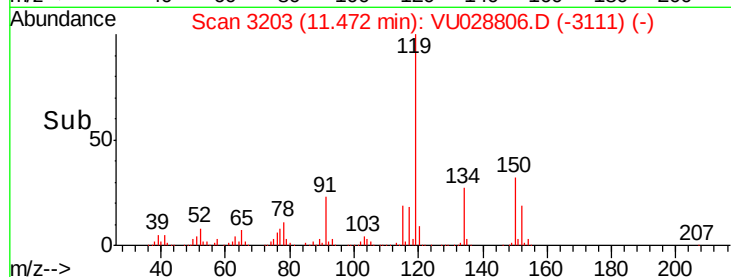
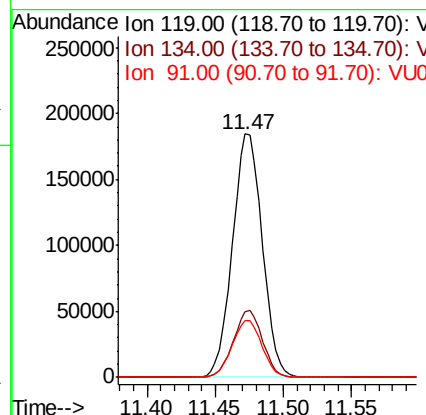
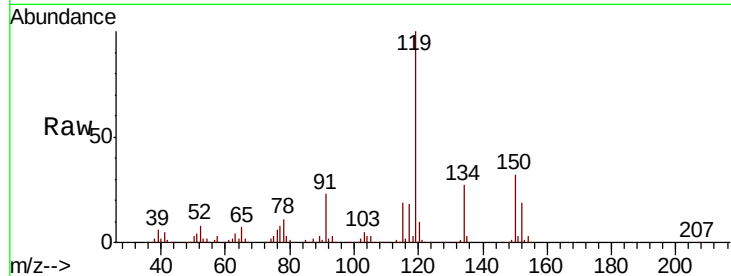
ClientSampled :

S49-0492MS

Tot Ion:	119	Resp:	280010
Ion Ratio	Lower	Upper	
119	100		
134	26.9	12.7	38.1
91	23.5	12.6	37.6

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#87

1,3-Dichlorobenzene

Concen: 51.653 ug/l

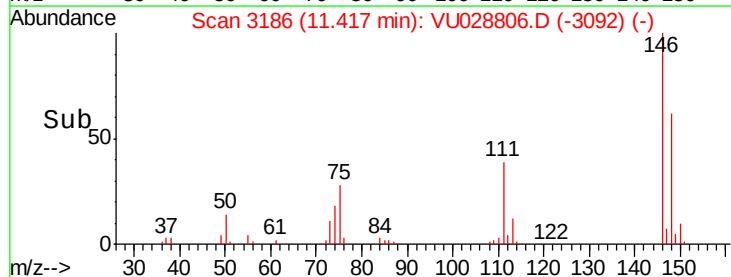
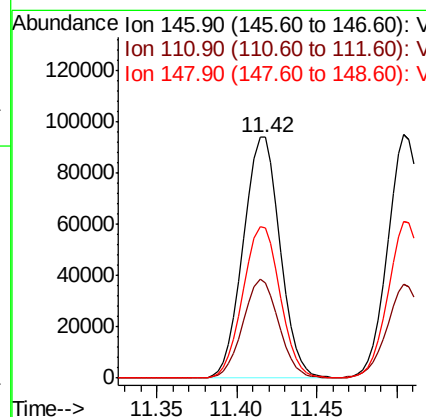
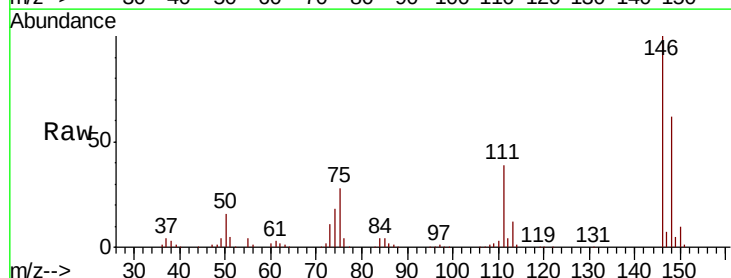
RT: 11.42 min Scan# 3186

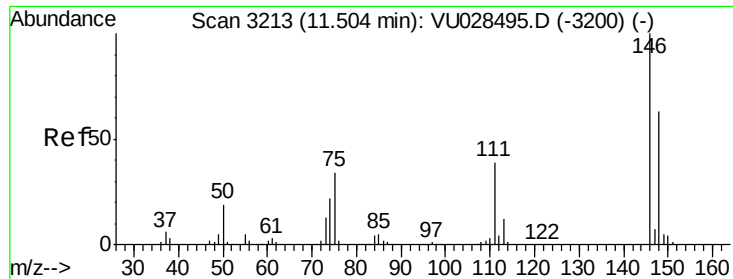
Delta R.T. 0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Tgt Ion:	146	Resp:	147684
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.7	62.1
148	63.4	31.9	95.7





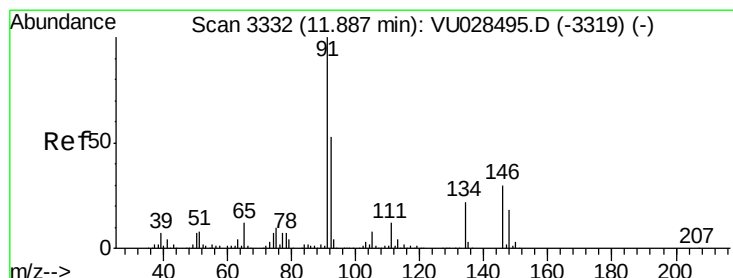
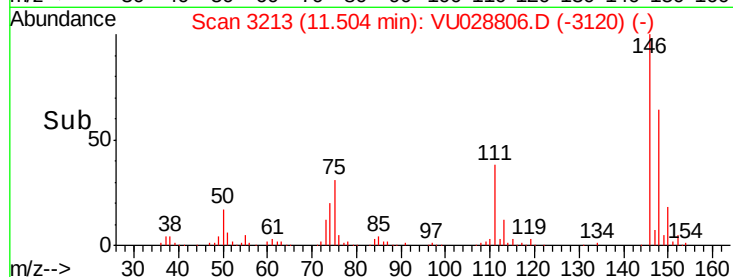
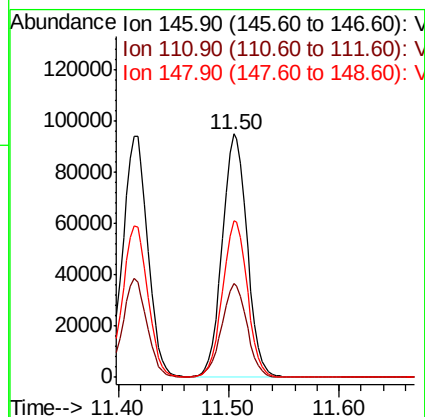
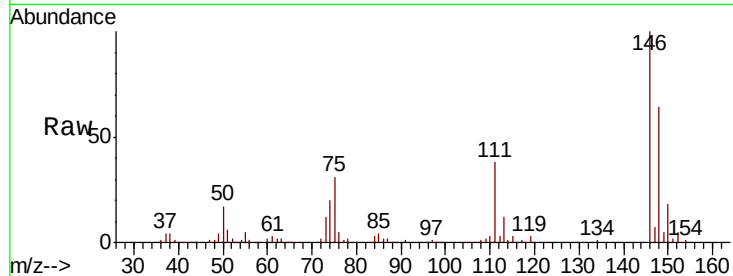
#88
 1,4-Dichlorobenzene
 Concen: 50.323 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028806.D
 Acq: 19 Dec 2018 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.2	60.5
148	64.0	31.6	95.0

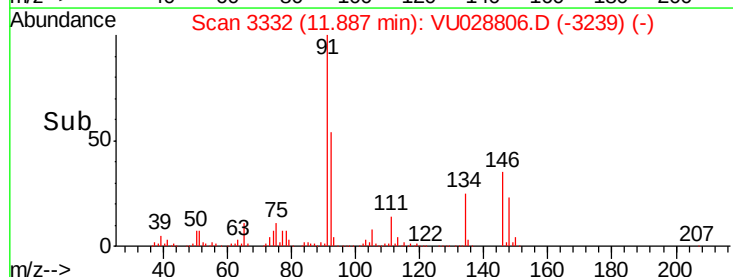
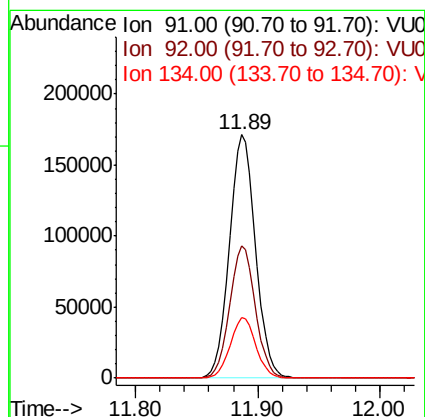
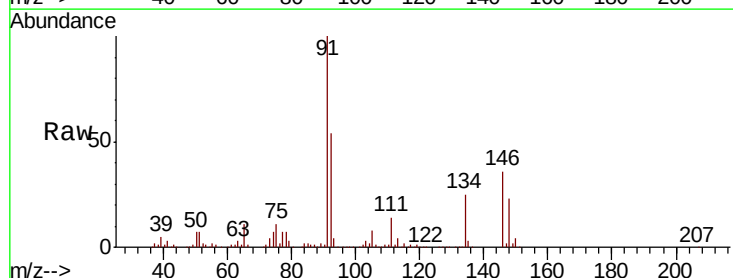
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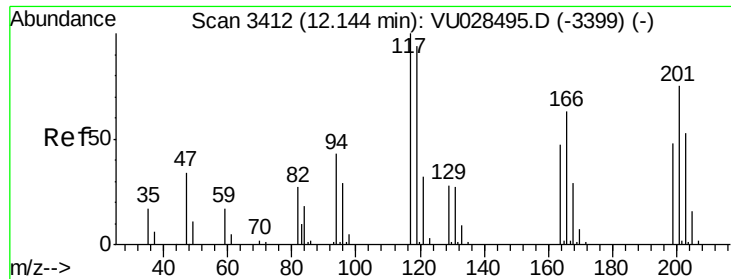
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#89
 n-Butylbenzene
 Concen: 45.022 ug/l
 RT: 11.89 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VU028806.D
 Acq: 19 Dec 2018 20:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.3	78.9
134	24.5	11.3	33.8





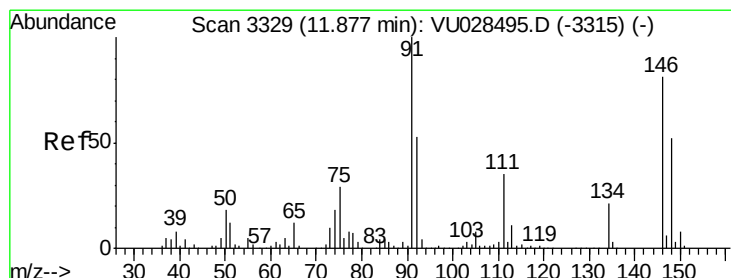
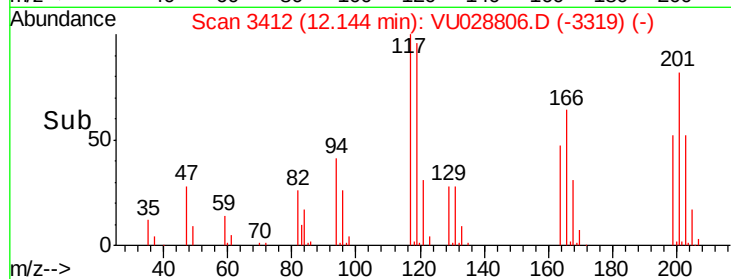
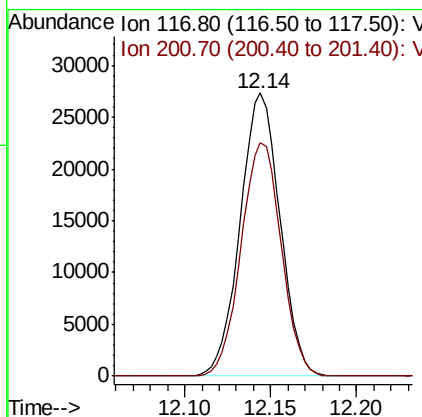
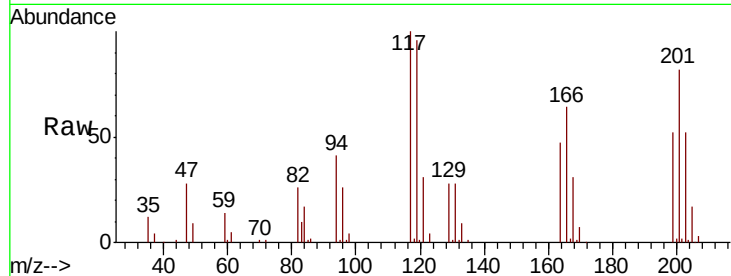
#90
Hexachloroethane
Concen: 51.489 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Instrument :
MSVOA_U
ClientSampleId :
S49-0492MS

Tot Ion:117 Resp: 43870
Ion Ratio Lower Upper
117 100
201 83.2 38.1 114.5

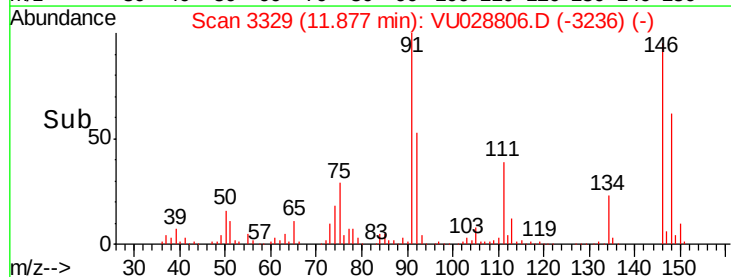
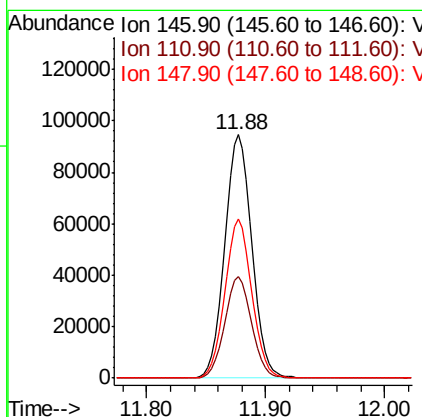
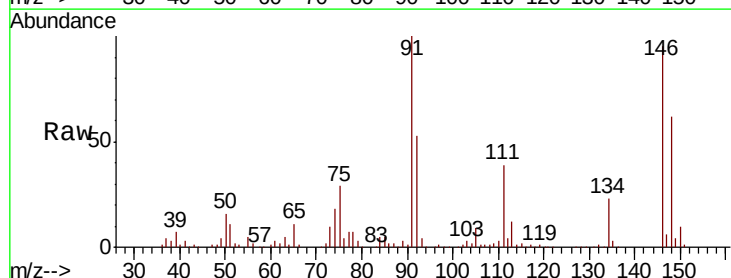
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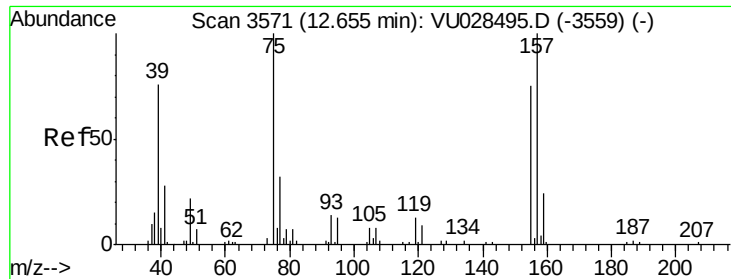
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#91
1,2-Dichlorobenzene
Concen: 52.102 ug/l
RT: 11.88 min Scan# 3329
Delta R.T. -0.00 min
Lab File: VU028806.D
Acq: 19 Dec 2018 20:10

Tgt Ion:146 Resp: 149007
Ion Ratio Lower Upper
146 100
111 41.2 21.1 63.4
148 64.5 31.4 94.2





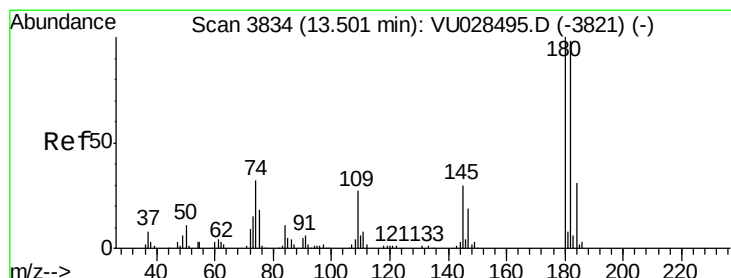
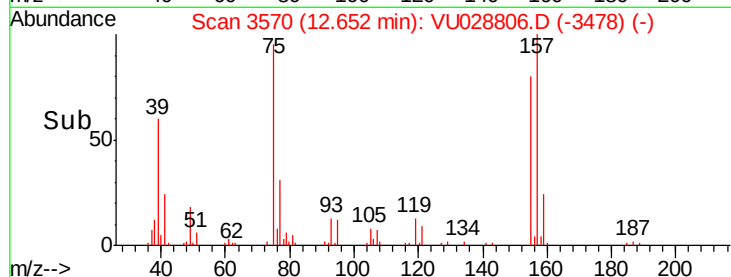
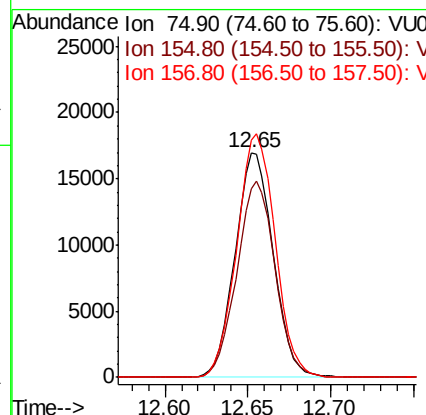
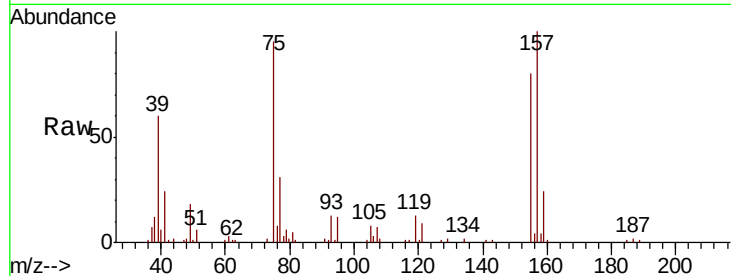
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.379 ug/l
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU028806.D
 Acq: 19 Dec 2018 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	87.4	38.1	114.5
157	108.9	48.7	146.1

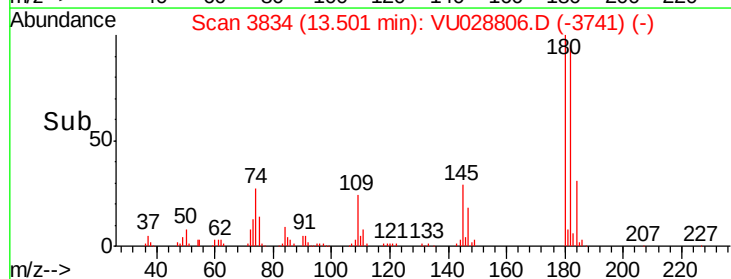
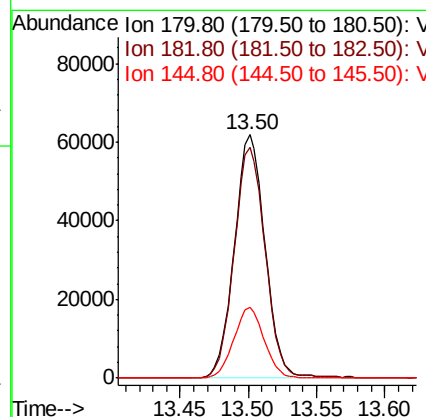
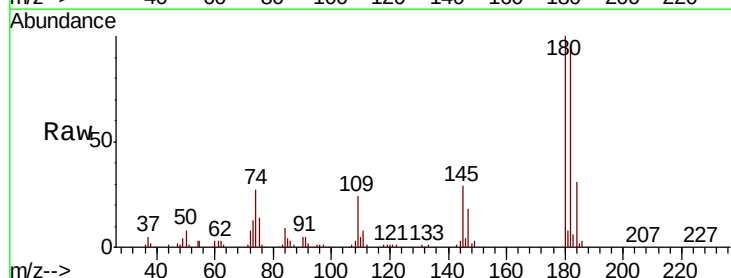
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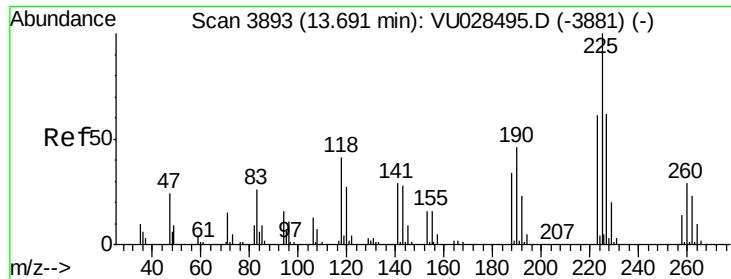
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#93
 1,2,4-Trichlorobenzene
 Concen: 49.335 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028806.D
 Acq: 19 Dec 2018 20:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.9	143.8
145	28.7	15.0	45.1





#94

Hexachlorobutadiene

Concen: 46.032 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU028806.D

Acq: 19 Dec 2018 20:10

Instrument :

MSVOA_U

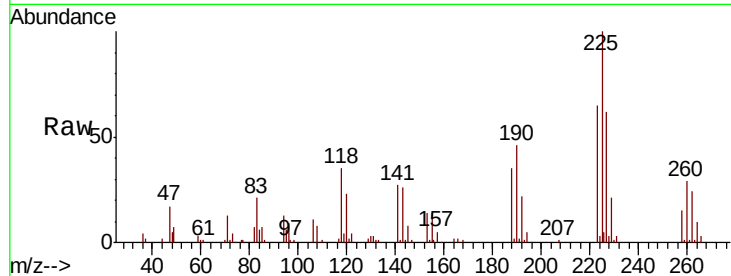
ClientSampleId :

S49-0492MS

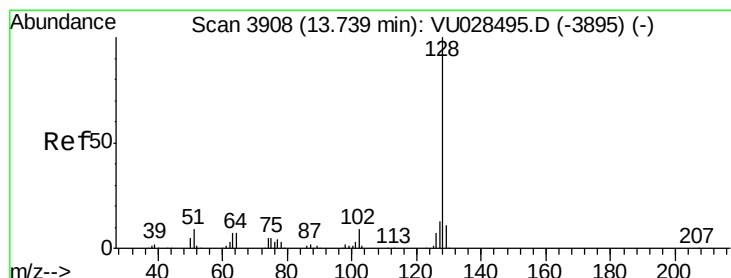
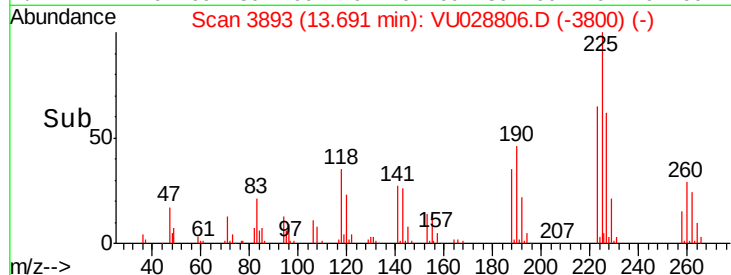
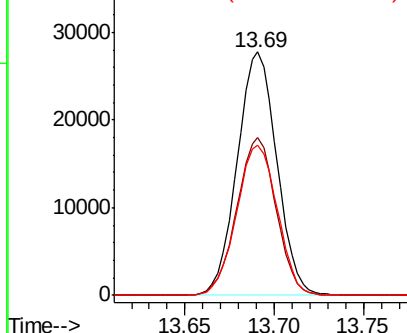
Tot Ion:	225	Resp:	43124
Ion Ratio		Lower	Upper
225	100		
223	64.0	30.4	91.2
227	63.3	30.7	92.1

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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: 49.239 ug/l

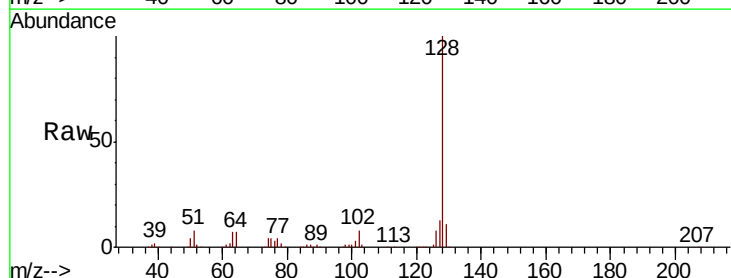
RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

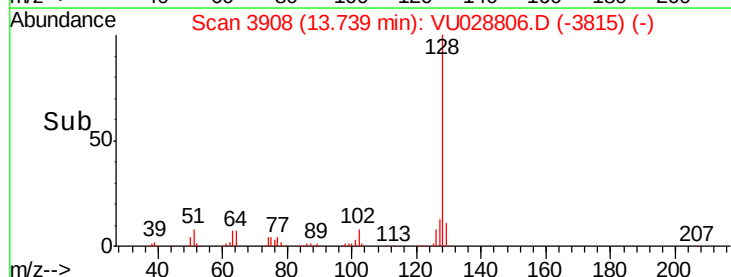
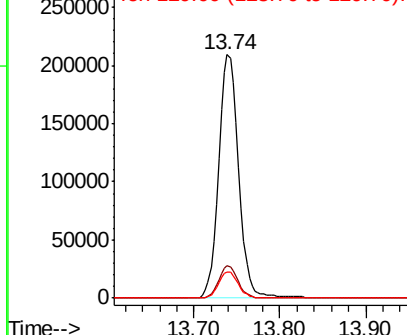
Lab File: VU028806.D

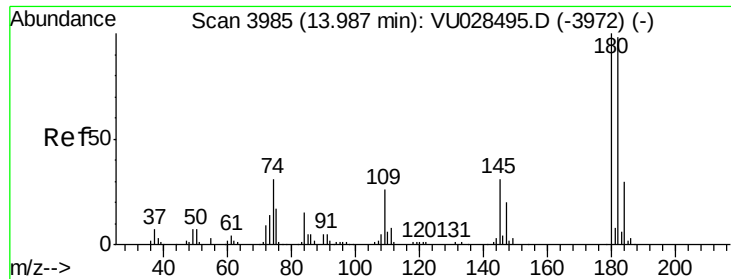
Acq: 19 Dec 2018 20:10

Tgt Ion:	128	Resp:	337915
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	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: 51.202 ug/l
 RT: 13.98 min Scan# 3984
 Delta R.T. -0.00 min
 Lab File: VU028806.D
 Acq: 19 Dec 2018 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.1	48.2	144.6
145	29.8	15.8	47.3

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 8:58:42 AM

