

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\U100418\
 Data File : VU027437.D
 Acq On : 05 Oct 2018 02:36
 Operator : MD/SY
 Sample : J5165-11MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MSD

Manual Integrations
 APPROVED

sam
 10/9/2018 6:05:15 PM

Quant Time: Oct 09 17:52:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	126515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	223131	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	205152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	104848	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	99034	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
35) Dibromofluoromethane	4.88	113	73076	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	7.57	98	280210	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
62) 4-Bromofluorobenzene	10.31	95	106565	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	86605	47.481	ug/l	98
3) Chloromethane	1.33	50	106366	43.073	ug/l	99
4) Vinyl Chloride	1.40	62	108441	46.715	ug/l	97
5) Bromomethane	1.62	94	62738	62.461	ug/l	100
6) Chloroethane	1.70	64	66719	47.831	ug/l	99
7) Trichlorofluoromethane	1.89	101	114960	48.809	ug/l	99
8) Diethyl Ether	2.11	74	50198	46.267	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.29	101	63645	46.530	ug/l	98
10) Methyl Iodide	2.41	142	56254	47.498	ug/l	99
11) Tert butyl alcohol	2.83	59	99350	223.321	ug/l	99
12) 1,1-Dichloroethene	2.28	96	61507	46.025	ug/l	96
13) Acrolein	2.20	56	21102	56.529	ug/l	98
14) Allyl chloride	2.59	41	131604	41.471	ug/l	97
15) Acrylonitrile	2.94	53	272066	234.967	ug/l	99
16) Acetone	2.32	43	301101	241.261	ug/l	99
17) Carbon Disulfide	2.48	76	202130	41.938	ug/l	99
18) Methyl Acetate	2.62	43	156660	55.025	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	253465	47.336	ug/l	98
20) Methylene Chloride	2.70	84	75443	43.397	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	67938	45.281	ug/l	99
22) Diisopropyl ether	3.58	45	304695	47.239	ug/l	99
23) Vinyl Acetate	3.53	43	963290	171.012	ug/l	100
24) 1,1-Dichloroethane	3.45	63	154542	46.607	ug/l	99
25) 2-Butanone	4.26	43	422820	248.442	ug/l	97
26) 2,2-Dichloropropane	4.23	77	97047	35.619	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	85067	49.579	ug/l	94
28) Bromochloromethane	4.55	49	83149	51.976	ug/l	97
29) Tetrahydrofuran	4.64	42	268706	250.530	ug/l	98
30) Chloroform	4.67	83	146491	49.725	ug/l	100
31) Cyclohexane	5.00	56	149614	44.129	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	121344	48.906	ug/l	98
36) 1,1-Dichloropropene	5.14	75	114495	47.259	ug/l	99
37) Ethyl Acetate	4.38	43	149570	47.769	ug/l	100
38) Carbon Tetrachloride	5.14	117	100683	46.006	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	127601	45.056	ug/l	98
40) Benzene	5.39	78	335747	47.576	ug/l	100
41) Methacrylonitrile	4.54	41	85146	48.112	ug/l	98
42) 1,2-Dichloroethane	5.41	62	122337	46.702	ug/l	99
43) Isopropyl Acetate	5.55	43	236540	48.641	ug/l	99
44) Trichloroethene	6.19	130	76574	48.662	ug/l	99
45) 1,2-Dichloropropane	6.43	63	95636	46.984	ug/l	99
46) Dibromomethane	6.56	93	56436	49.091	ug/l	97
47) Bromodichloromethane	6.76	83	112370	47.107	ug/l	98
48) Methyl methacrylate	6.62	41	119182	49.284	ug/l	98
49) 1,4-Dioxane	6.61	88	37923	911.430	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	773610	244.814	ug/l	98
52) Toluene	7.64	92	200382	47.973	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	129745	46.389	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	131444	43.717	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	83372	50.342	ug/l	99
56) Ethyl methacrylate	8.02	69	142878	45.276	ug/l	97
57) 1,3-Dichloropropane	8.24	76	153093	47.619	ug/l	100
59) 2-Hexanone	8.36	43	601349	245.321	ug/l	99
60) Dibromochloromethane	8.48	129	81988	49.361	ug/l	99
61) 1,2-Dibromoethane	8.59	107	85783	48.717	ug/l	99
64) Tetrachloroethene	8.23	164	62130	48.649	ug/l	97
65) Chlorobenzene	9.12	112	212883	49.298	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	75255	50.481	ug/l	98
67) Ethyl Benzene	9.25	91	374616	48.964	ug/l	99
68) m/p-Xylenes	9.38	106	277263	99.074	ug/l	98
69) o-Xylene	9.78	106	146000	54.899	ug/l	99
70) Styrene	9.79	104	225466	45.568	ug/l	99
71) Bromoform	9.96	173	60758	50.657	ug/l #	99
73) Isopropylbenzene	10.17	105	440581	57.857	ug/l	100
74) N-amyl acetate	10.02	43	202228	46.389	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	10.46	83	148354	49.616	ug/l	97
76) 1,2,3-Trichloropropane	10.49	75	128380m	47.235	ug/l	
77) Bromobenzene	10.45	156	86487	48.870	ug/l	96
78) n-propylbenzene	10.59	91	473889	51.789	ug/l	99
79) 2-Chlorotoluene	10.66	91	250296	45.304	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	545289	87.954	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	37765m	36.364	ug/l	
82) 4-Chlorotoluene	10.77	91	330718	52.749	ug/l	97
83) tert-Butylbenzene	11.10	119	358105	59.749	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	3665037	578.722	ug/l	99
85) sec-Butylbenzene	11.32	105	377978	50.052	ug/l	97
86) p-Isopropyltoluene	11.48	119	588297	90.986	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	161167	48.094	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	164761	48.114	ug/l	99
89) n-Butylbenzene	11.89	91	329629	48.118	ug/l #	70
90) Hexachloroethane	12.15	117	86492	70.968	ug/l	69
91) 1,2-Dichlorobenzene	11.88	146	156775m	48.062	ug/l	
92) 1,2-Dibromo-3-Chloropropan	12.66	75	34333	51.810	ug/l	96
93) 1,2,4-Trichlorobenzene	13.50	180	121506	57.568	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	51495	48.289	ug/l	100
95) Naphthalene	13.74	128	162003	21.419	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	121203	55.119	ug/l	98

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

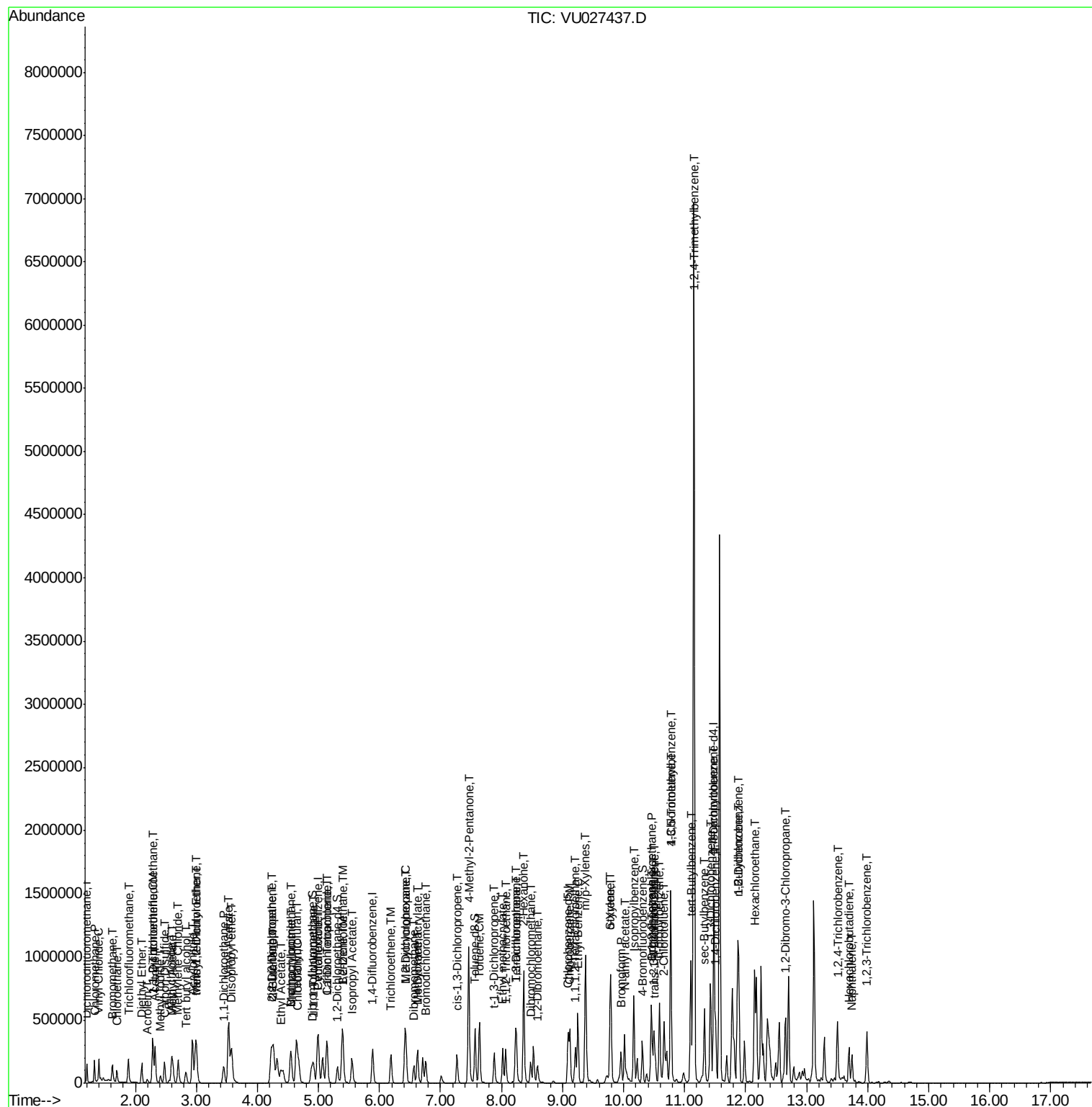
Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU100418\
Data File : VU027437.D
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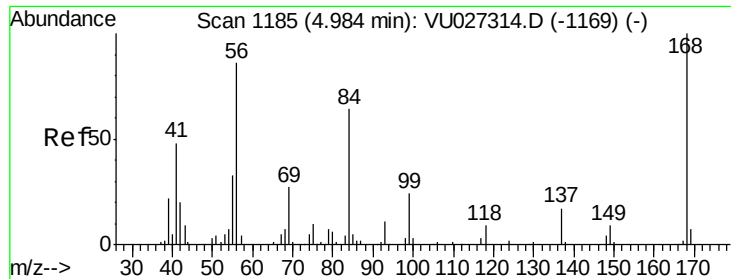
Instrument :
MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Instrument :

MSVOA_U

ClientSampleId :

EP-MW-H-092718MSD

Tot Ion:168 Resp: 126515

Ion Ratio Lower Upper

168 100

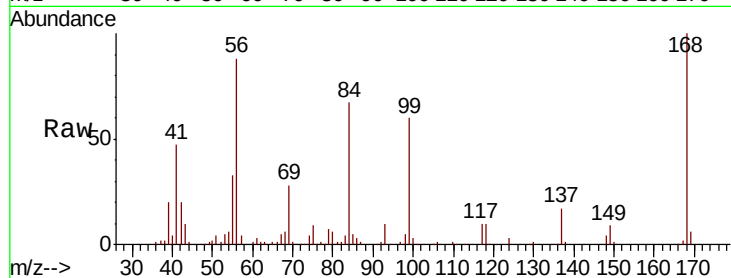
99 59.7 50.8 76.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

60000

50000

40000

30000

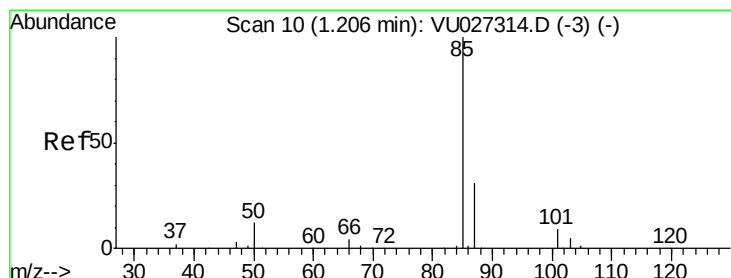
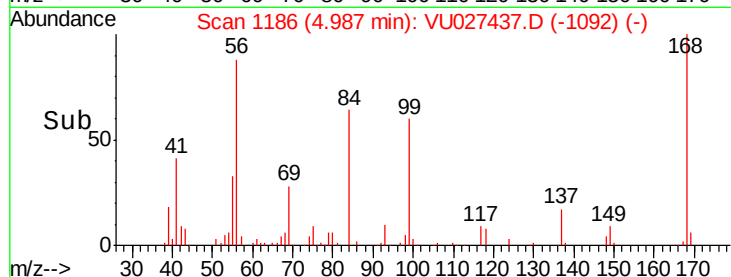
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.481 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027437.D

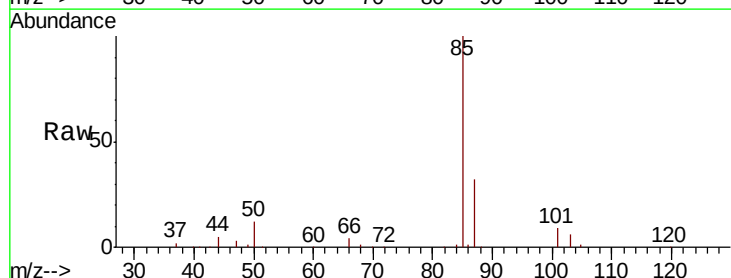
Acq: 05 Oct 2018 02:36

Tgt Ion: 85 Resp: 86605

Ion Ratio Lower Upper

85 100

87 32.4 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027314.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027314.D (-3) (-)

1.21

100000

80000

60000

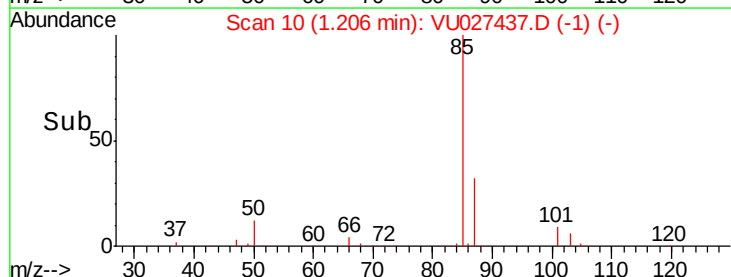
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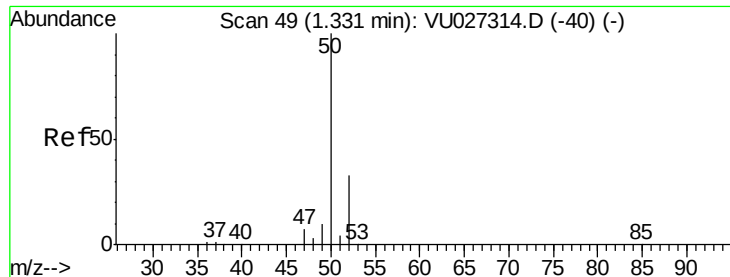
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 43.073 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 50 Resp: 106366

Ion Ratio Lower Upper

50 100

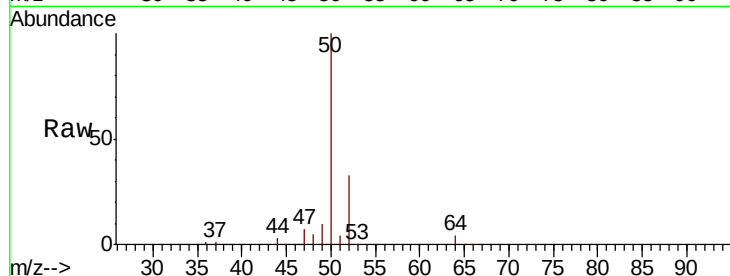
52 32.8 26.5 39.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU027314.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027314.D (-40) (-)

1.33

100000

80000

60000

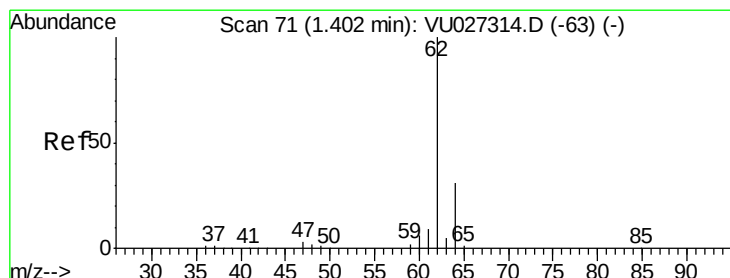
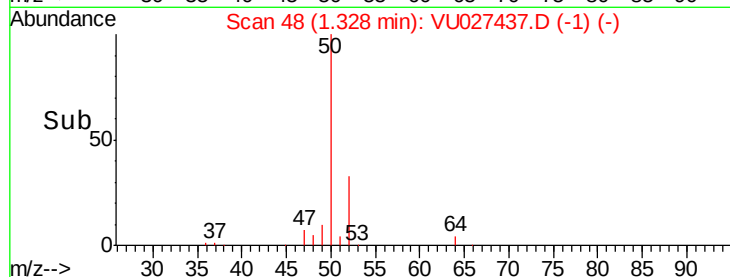
40000

20000

0

1.30 1.35

Time-->



#4

Vinyl Chloride

Concen: 46.715 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027437.D

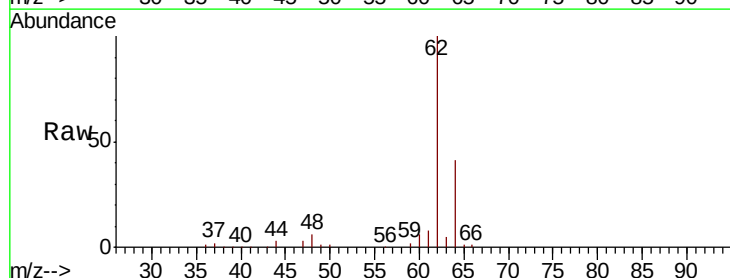
Acq: 05 Oct 2018 02:36

Tgt Ion: 62 Resp: 108441

Ion Ratio Lower Upper

62 100

64 32.9 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU027314.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VU027314.D (-63) (-)

1.40

100000

80000

60000

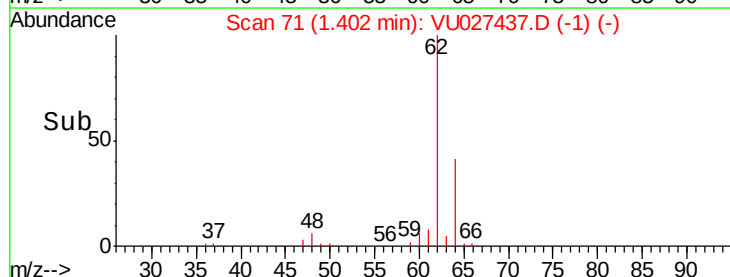
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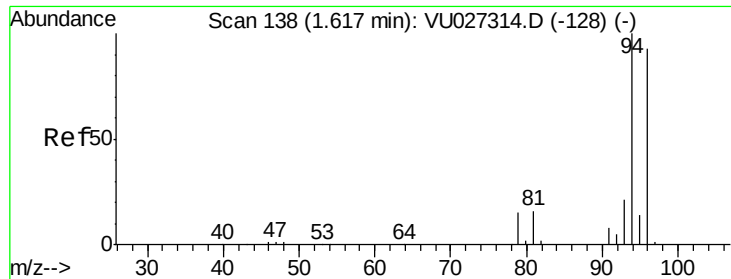
20000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 62.461 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

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Tot Ion: 94 Resp: 62738

Ion Ratio Lower Upper

94 100

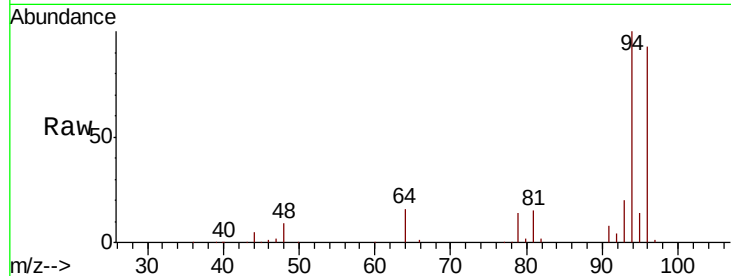
96 93.2 74.6 111.8

Manual Integrations

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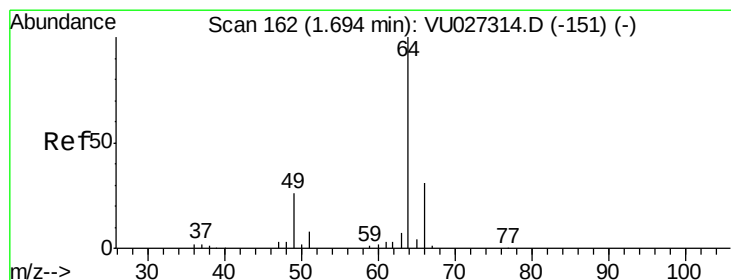
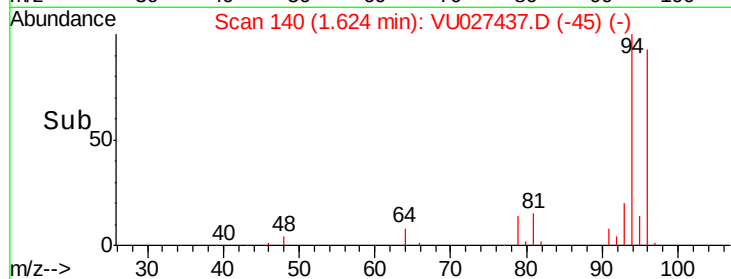
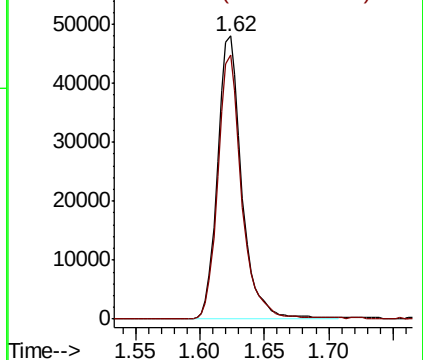
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 47.831 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027437.D

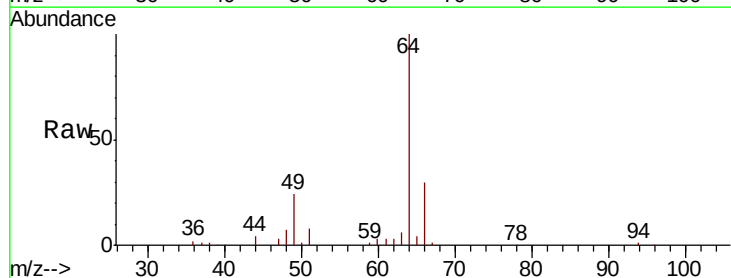
Acq: 05 Oct 2018 02:36

Tgt Ion: 64 Resp: 66719

Ion Ratio Lower Upper

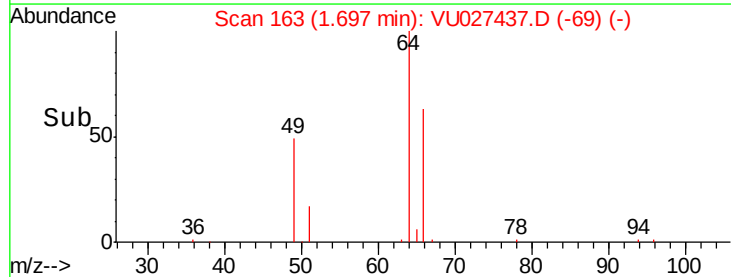
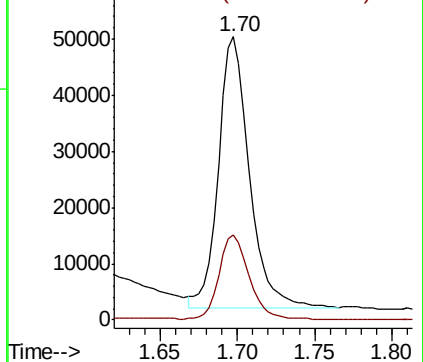
64 100

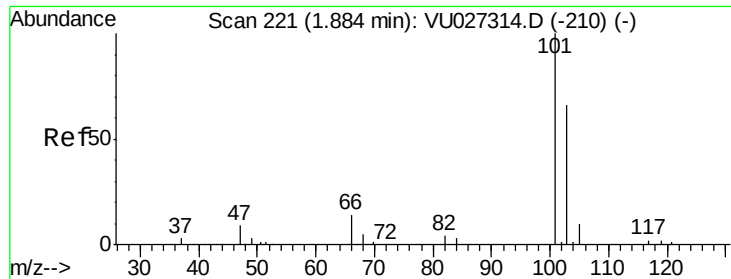
66 31.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

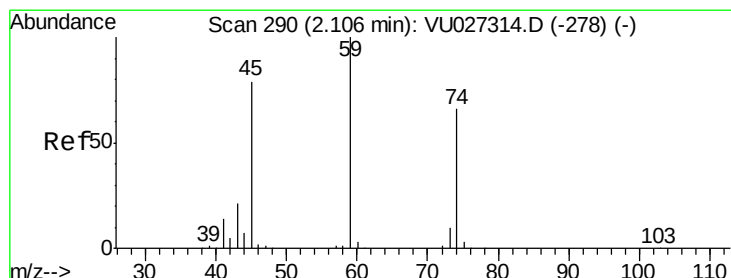
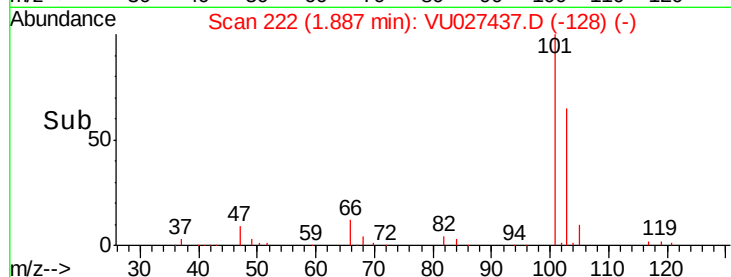
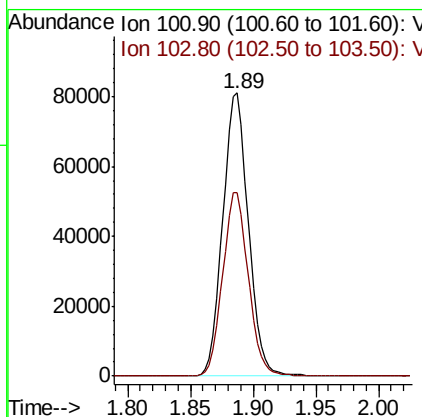
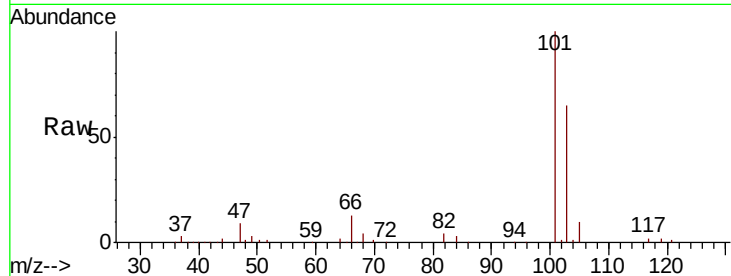
Trichlorofluoromethane
Concen: 48.809 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

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Tot Ion:101 Resp: 114960
Ion Ratio Lower Upper
101 100
103 64.9 52.6 78.8

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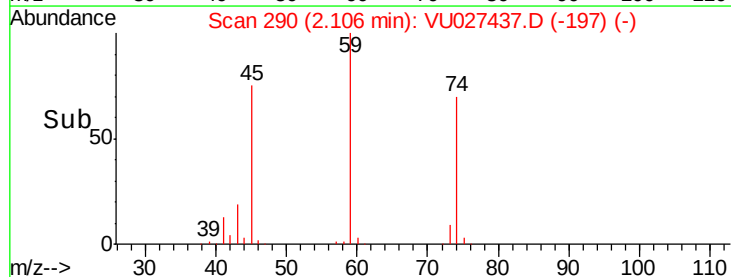
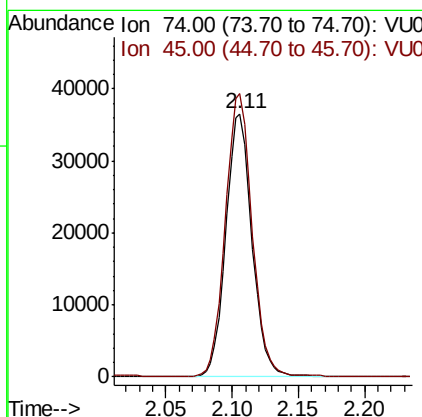
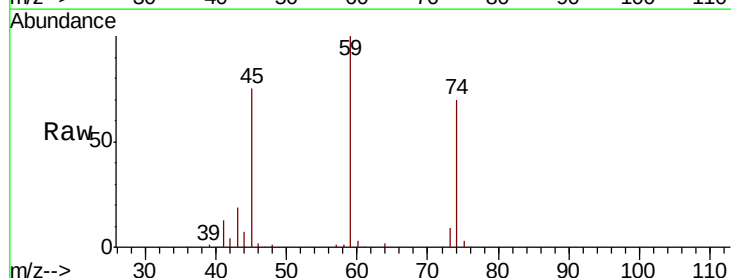
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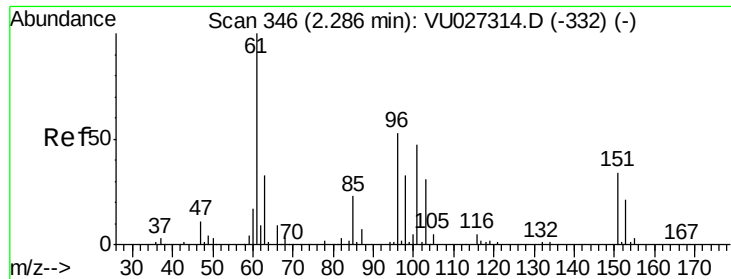


#8

Diethyl Ether
Concen: 46.267 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Tgt Ion: 74 Resp: 50198
Ion Ratio Lower Upper
74 100
45 110.5 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.530 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Instrument :

MSVOA_U

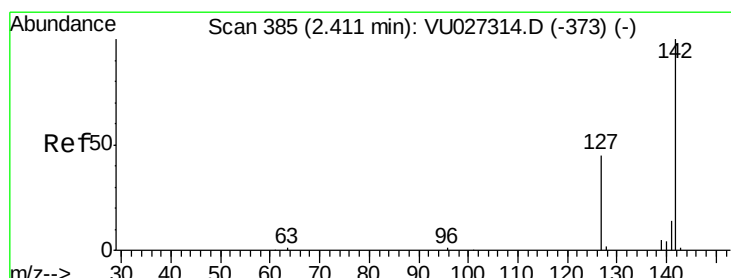
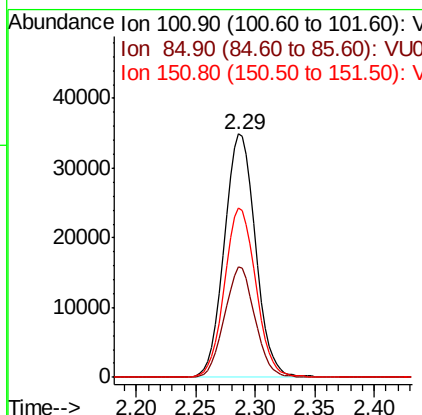
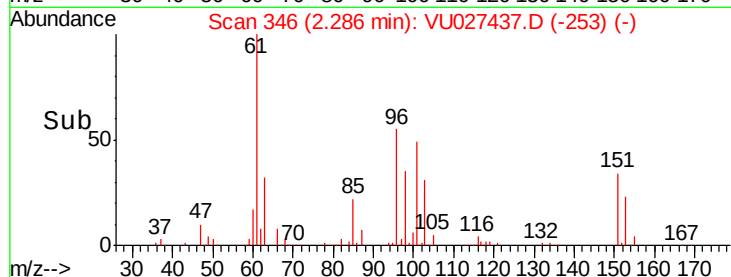
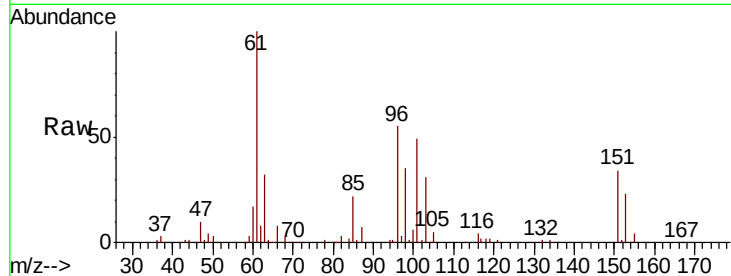
ClientSampleId :

EP-MW-H-092718MSD

Tot Ion:	101	Resp:	63645
Ion Ratio	Lower	Upper	
101	100		
85	44.0	37.5	56.3
151	69.7	55.6	83.4

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#10

Methyl Iodide

Concen: 47.498 ug/l

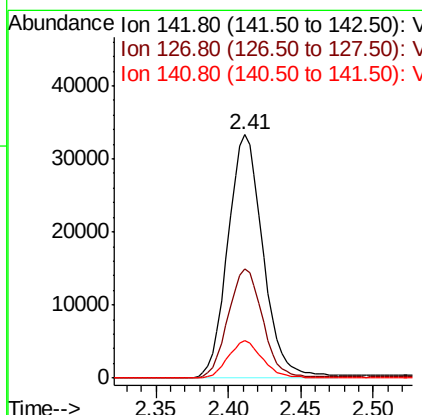
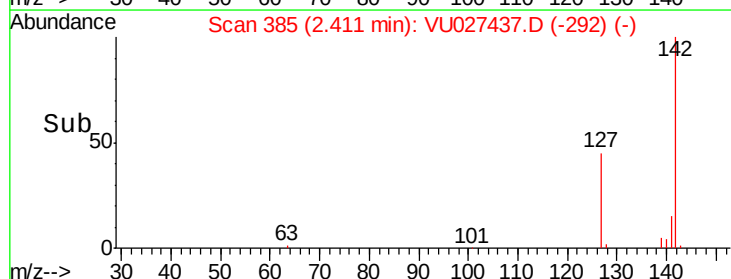
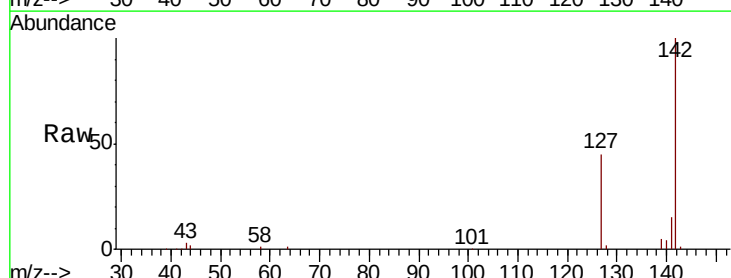
RT: 2.41 min Scan# 385

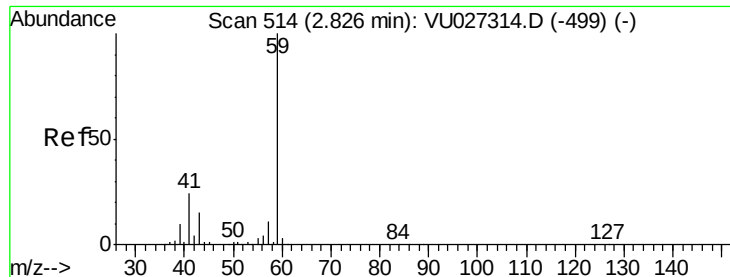
Delta R.T. 0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Tgt Ion:	142	Resp:	56254
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.3	54.5
141	14.9	11.6	17.4





#11

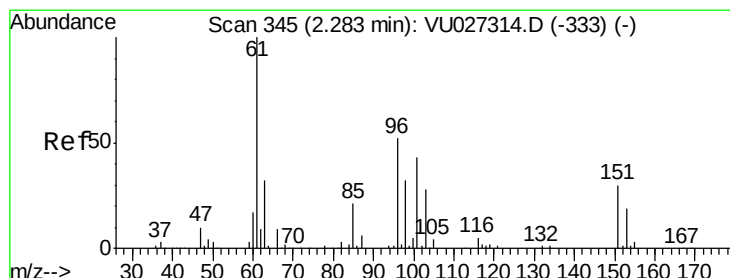
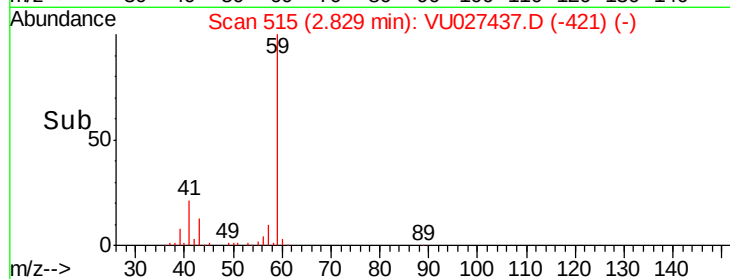
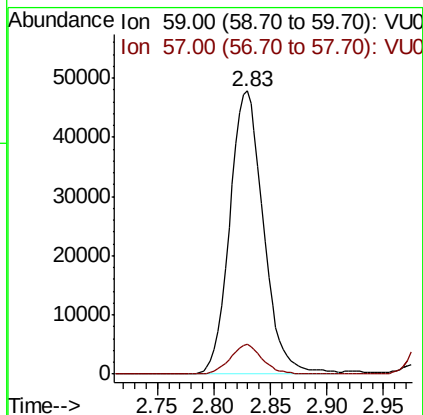
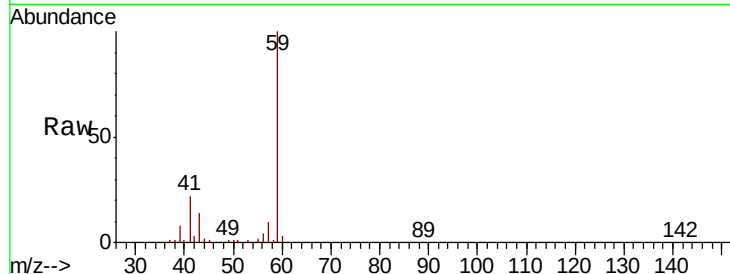
Tert butyl alcohol
Concen: 223.321 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.4	12.6

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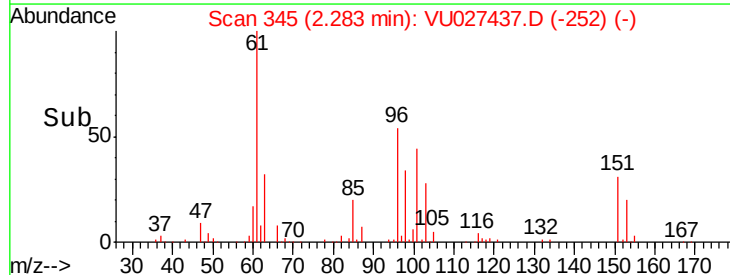
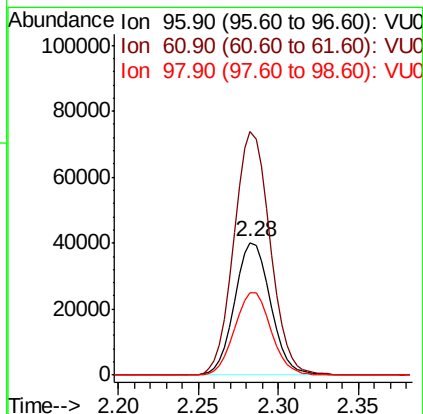
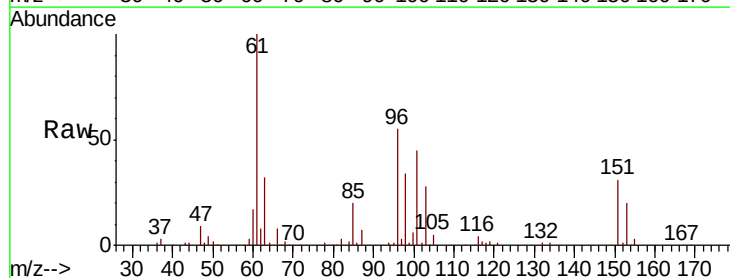
sam
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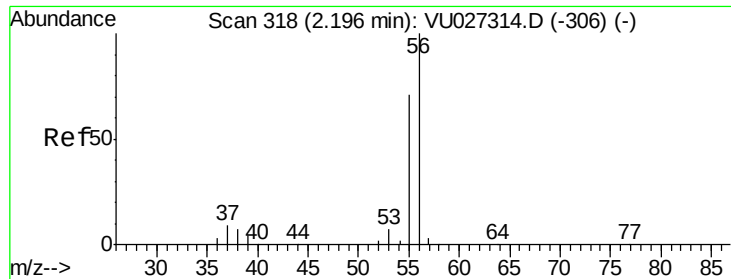


#12

1,1-Dichloroethene
Concen: 46.025 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.3	153.0	229.6
98	62.0	49.3	73.9





#13

Acrolein

Concen: 56.529 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Instrument :

MSVOA_U

ClientSampleId :

EP-MW-H-092718MSD

Tot Ion: 56 Resp: 21102

Ion Ratio Lower Upper

56 100

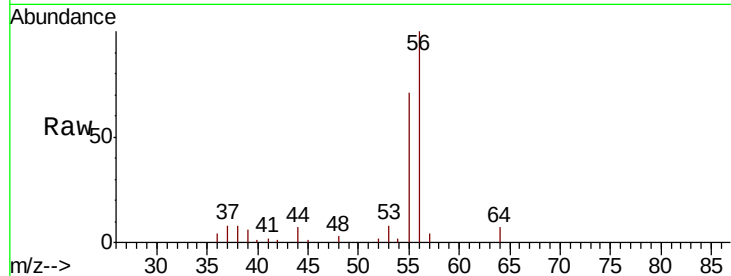
55 70.4 57.7 86.5

Manual Integrations

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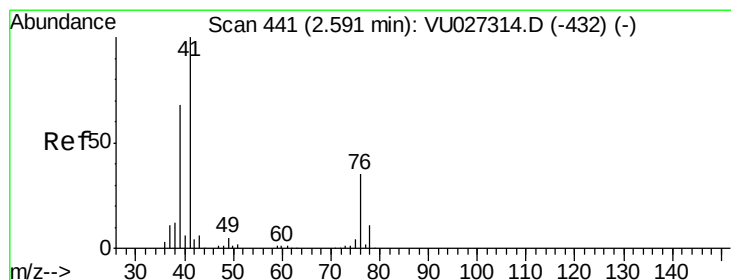
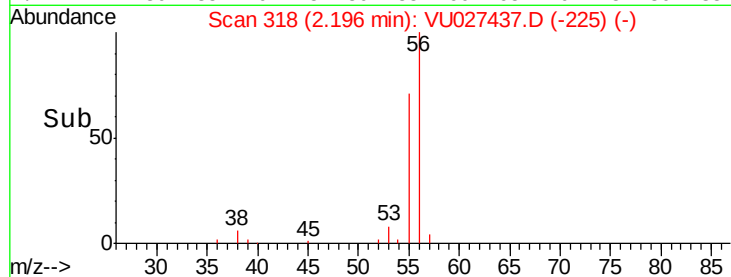
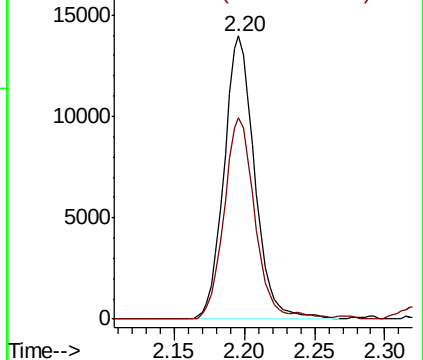
sam

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 41.471 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

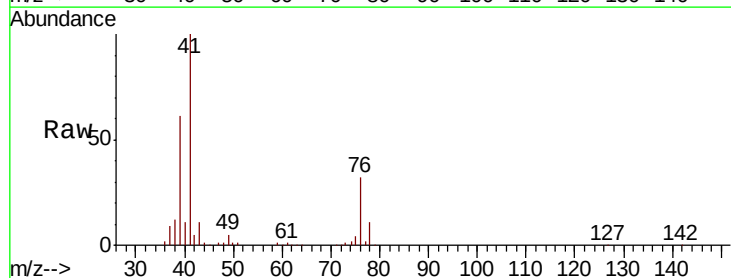
Tgt Ion: 41 Resp: 131604

Ion Ratio Lower Upper

41 100

39 61.5 51.8 77.8

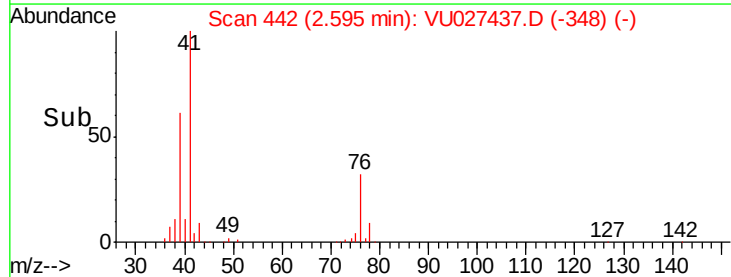
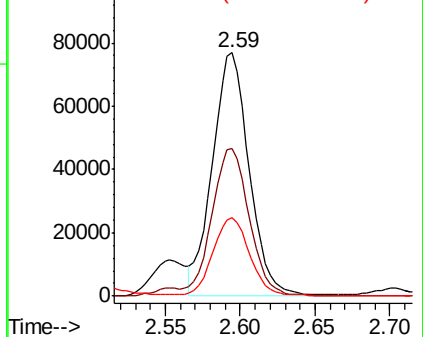
76 32.1 25.9 38.9

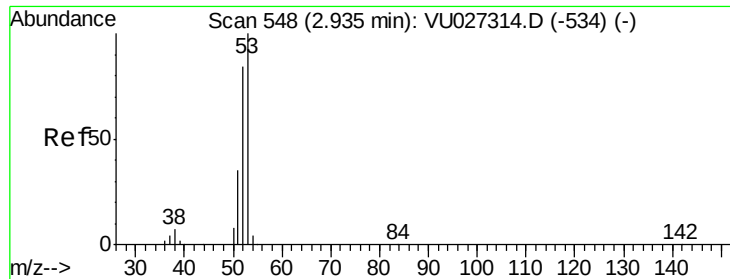


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





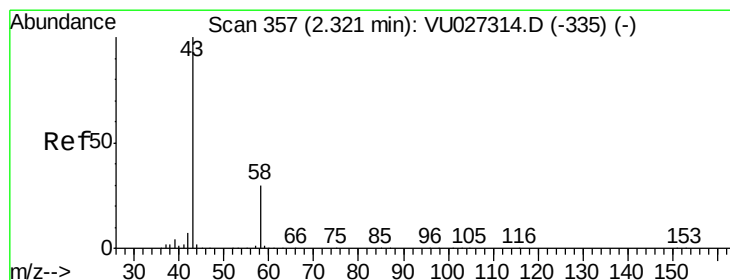
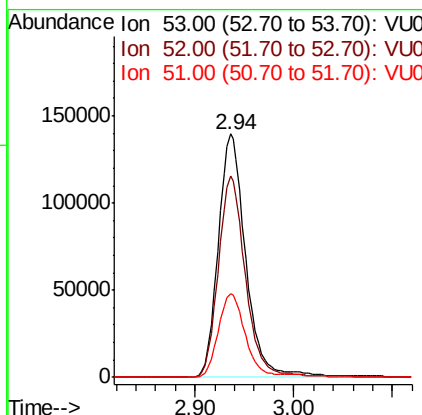
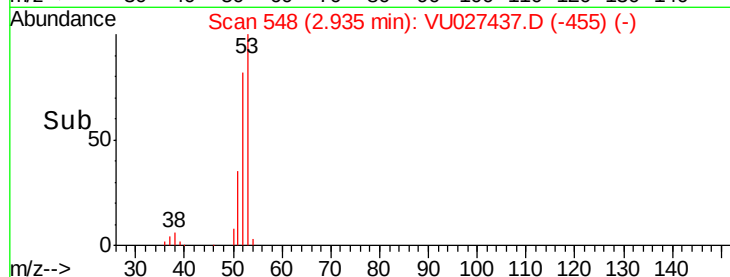
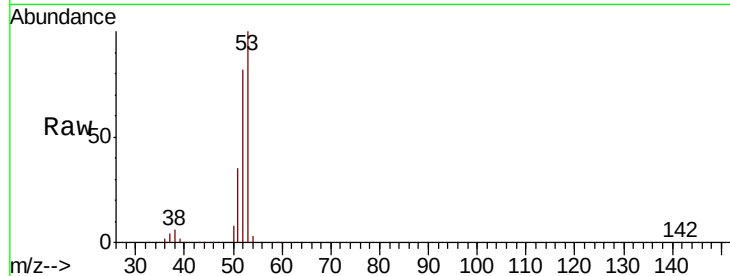
#15
 Acrylonitrile
 Concen: 234.967 ug/l
 RT: 2.94 min Scan# 548
 Delta R.T. -0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MSD

Tot Ion:	53	Resp:	272066
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.5	99.7
51	35.1	27.6	41.4

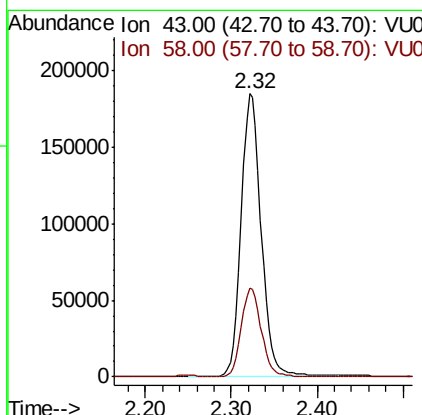
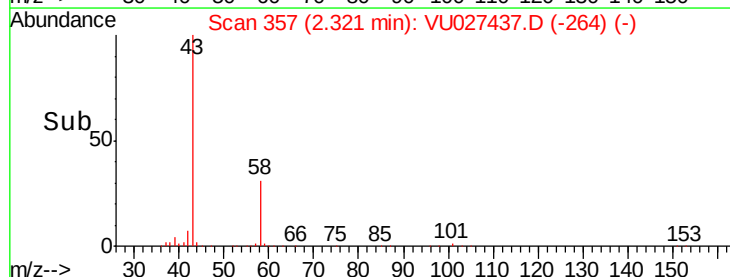
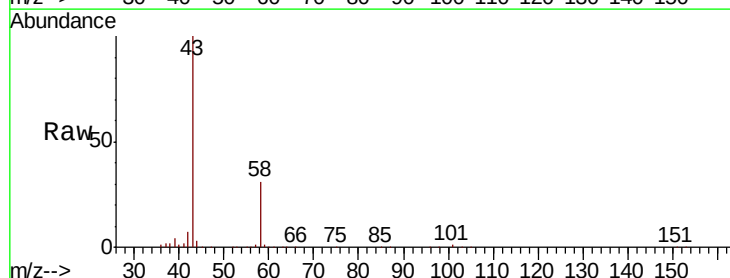
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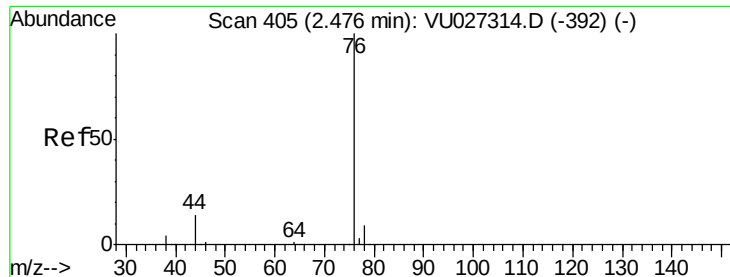
sam
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#16
 Acetone
 Concen: 241.261 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Tgt Ion:	43	Resp:	301101
Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.2	36.4





#17

Carbon Disulfide

Concen: 41.938 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Instrument :

MSVOA_U

ClientSampleId :

EP-MW-H-092718MSD

Tot Ion: 76 Resp: 202130

Ion Ratio Lower Upper

76 100

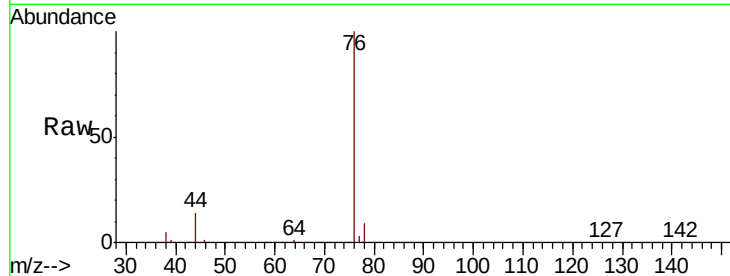
78 8.8 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

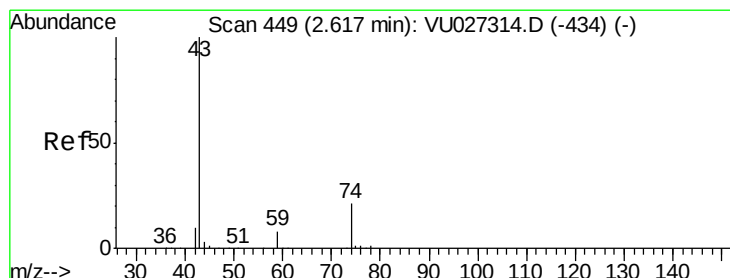
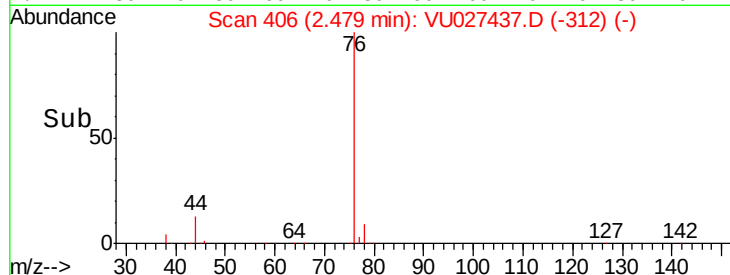
2.48

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 55.025 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU027437.D

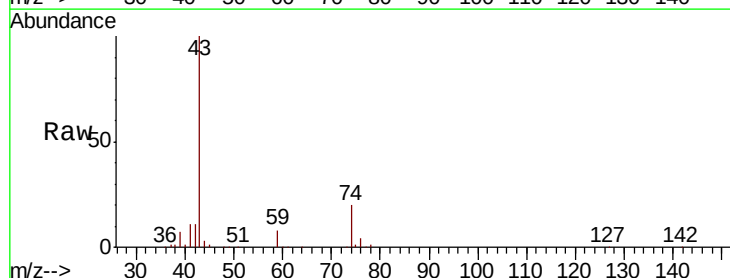
Acq: 05 Oct 2018 02:36

Tgt Ion: 43 Resp: 156660

Ion Ratio Lower Upper

43 100

74 20.2 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

100000

80000

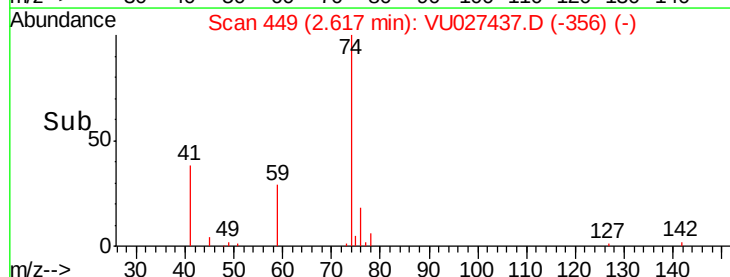
60000

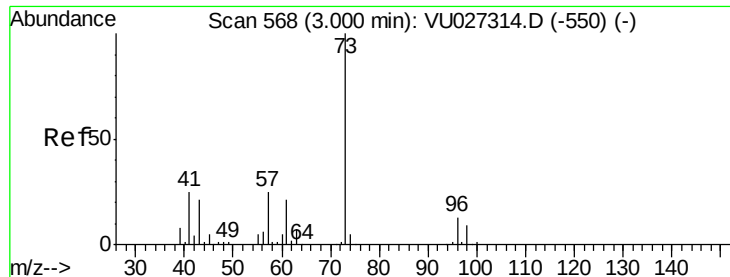
40000

20000

0

Time-->





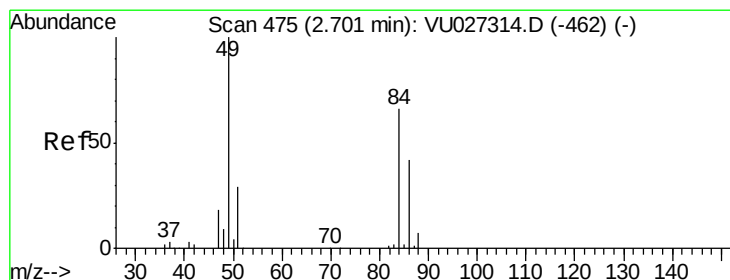
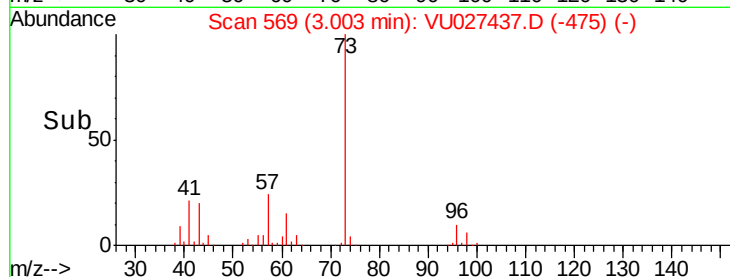
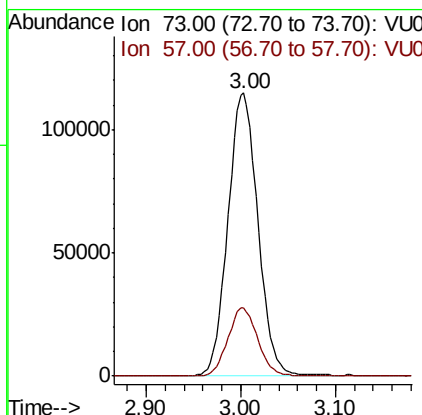
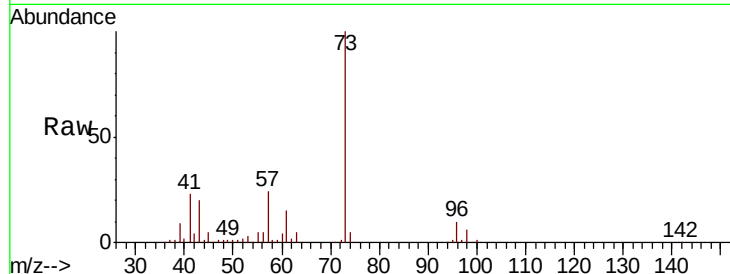
#19
Methyl tert-butyl Ether
Concen: 47.336 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	20.0	30.0

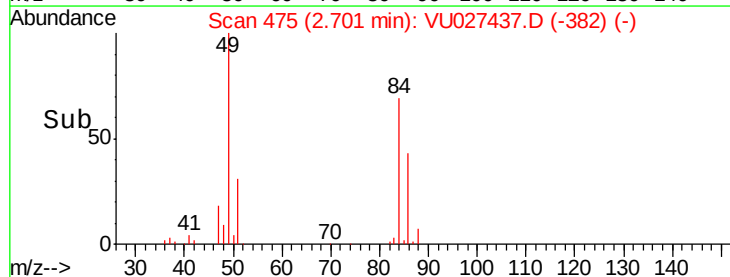
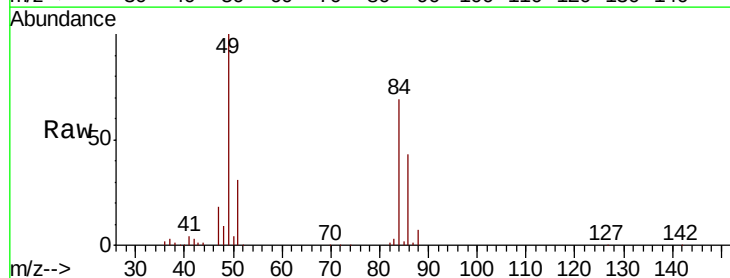
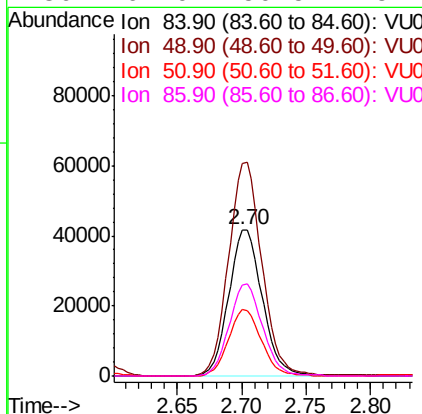
Manual Integrations
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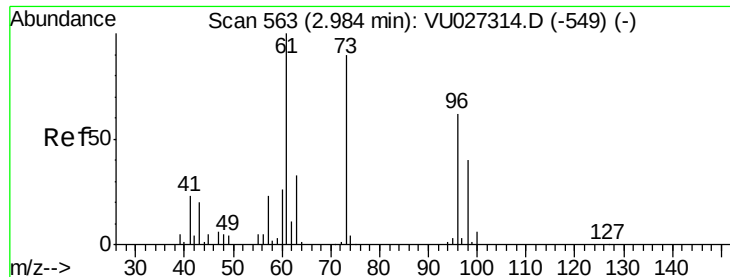
sam
10/9/2018 6:05:15 PM



#20
Methylene Chloride
Concen: 43.397 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.7	120.5	180.7
51	45.4	35.1	52.7
86	62.0	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 45.281 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Instrument :

MSVOA_U

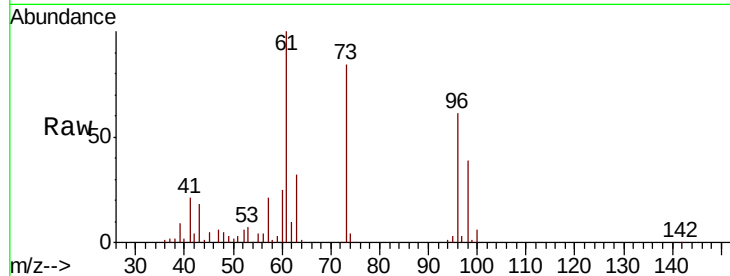
ClientSampleId :

EP-MW-H-092718MSD

Tot Ion:	96	Resp:	67938
Ion	Ratio	Lower	Upper
96	100		
61	162.8	129.4	194.2
98	63.7	51.2	76.8

Manual Integrations
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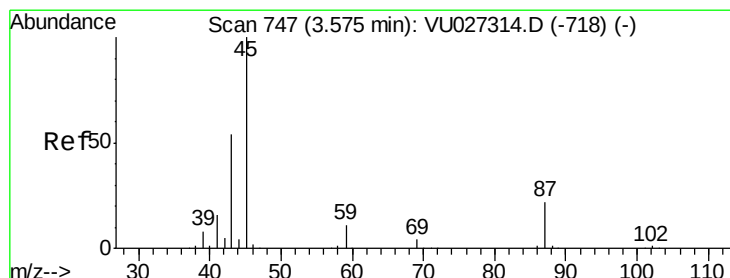
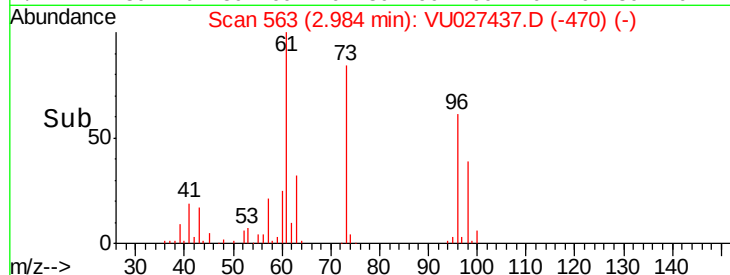
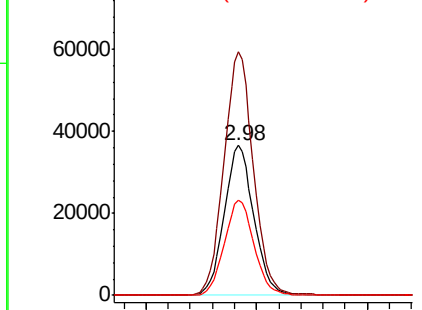


Abundance

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: 47.239 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Tgt Ion:	45	Resp:	304695
Ion	Ratio	Lower	Upper
45	100		
43	53.3	43.4	65.2
87	22.6	17.5	26.3
59	10.7	8.6	13.0

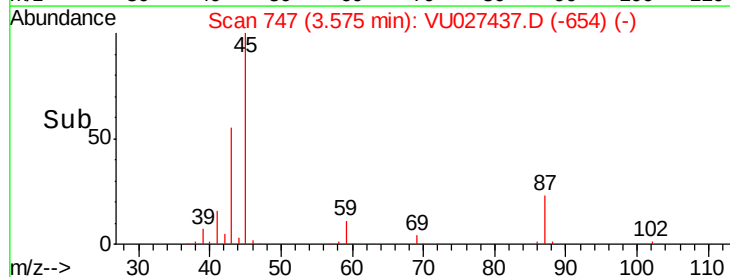
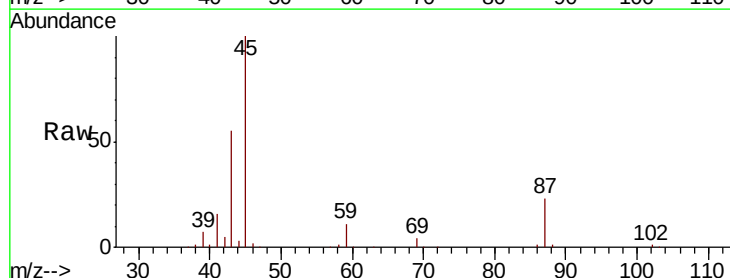
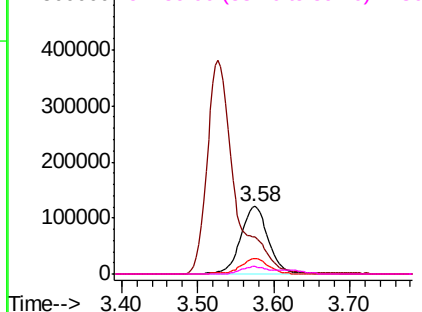
Abundance

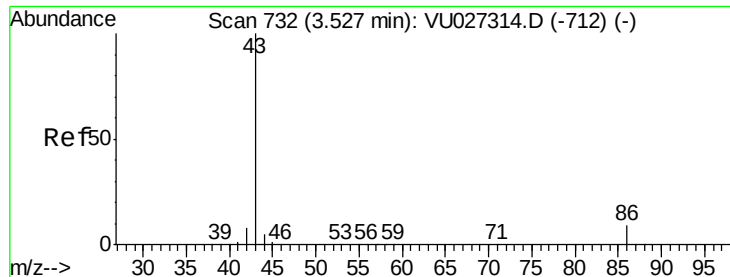
Ion 45.00 (44.70 to 45.70): VU0

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: 171.012 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Instrument :

MSVOA_U

ClientSampleId :

EP-MW-H-092718MSD

Tot Ion: 43 Resp: 963290

Ion Ratio Lower Upper

43 100

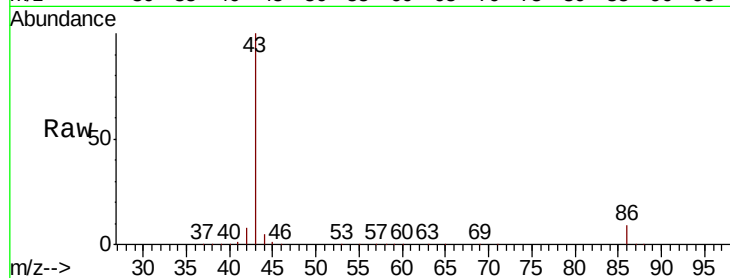
86 8.9 7.0 10.4

Manual Integrations

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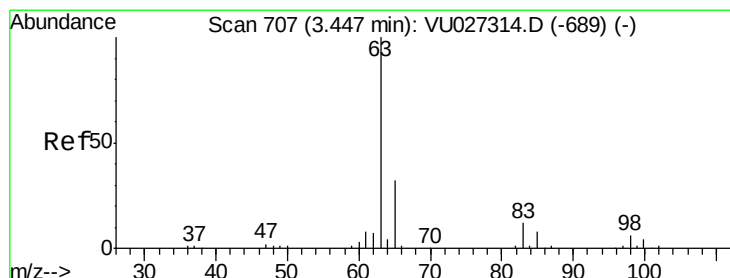
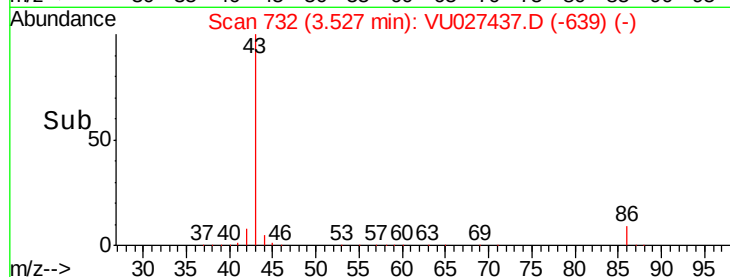
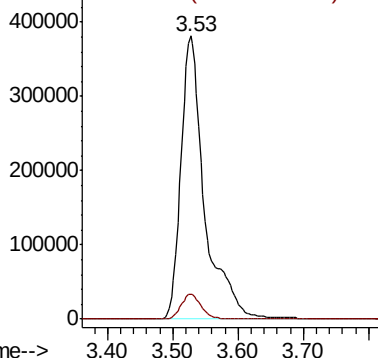
sam

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 46.607 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

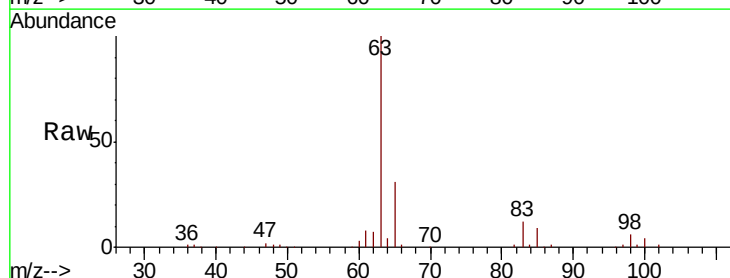
Tgt Ion: 63 Resp: 154542

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

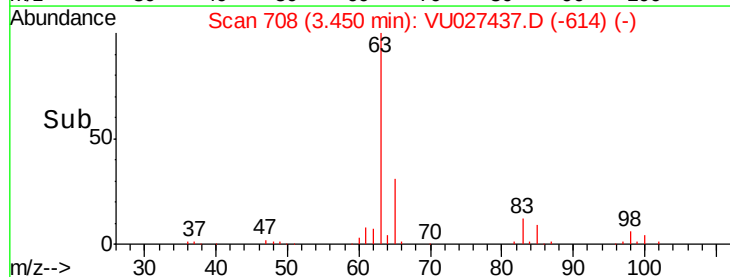
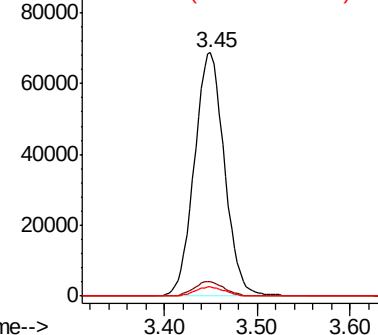
100 3.7 1.8 5.5

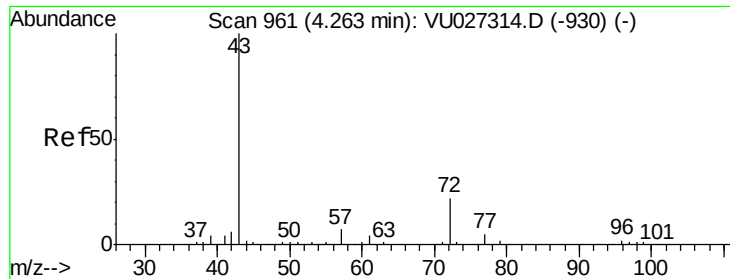


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 248.442 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Instrument :

MSVOA_U

ClientSampleId :

EP-MW-H-092718MSD

Tot Ion: 43 Resp: 422820

Ion Ratio Lower Upper

43 100

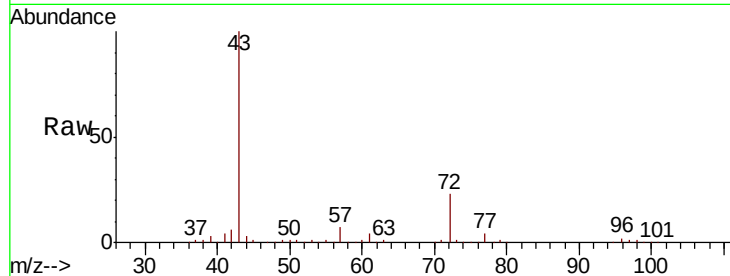
72 23.4 17.8 26.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

200000

150000

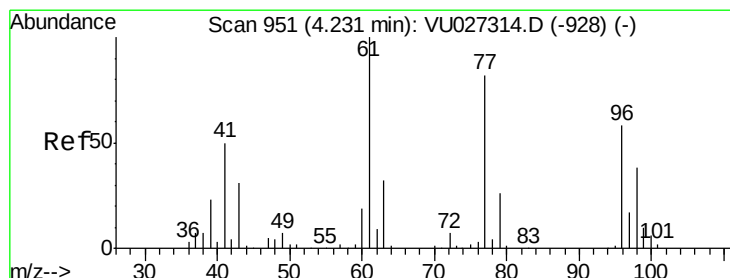
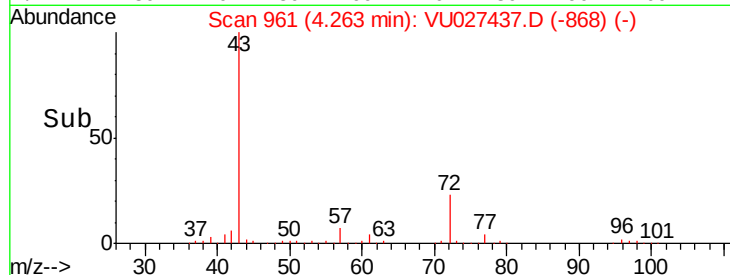
100000

50000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 35.619 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027437.D

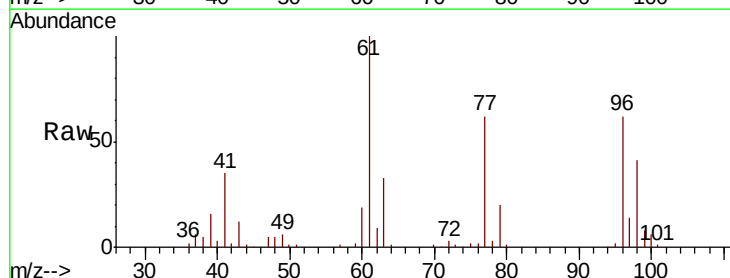
Acq: 05 Oct 2018 02:36

Tgt Ion: 77 Resp: 97047

Ion Ratio Lower Upper

77 100

97 22.0 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

40000

30000

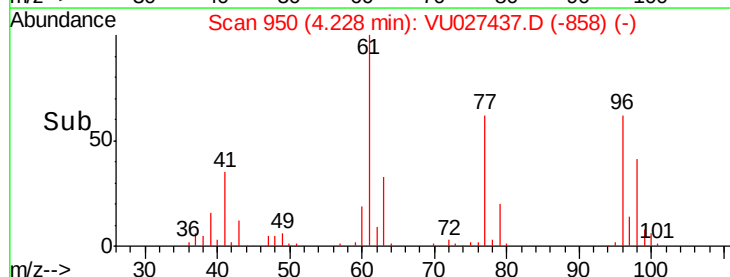
20000

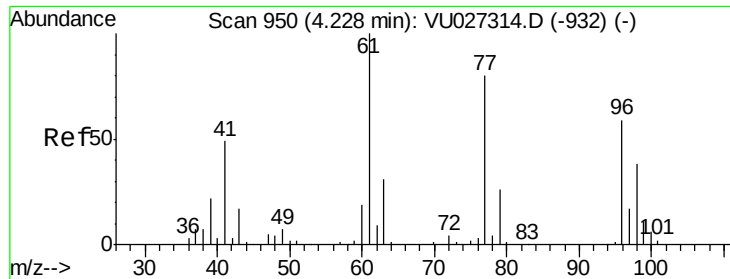
10000

0

4.10 4.20 4.30

Time-->





#27

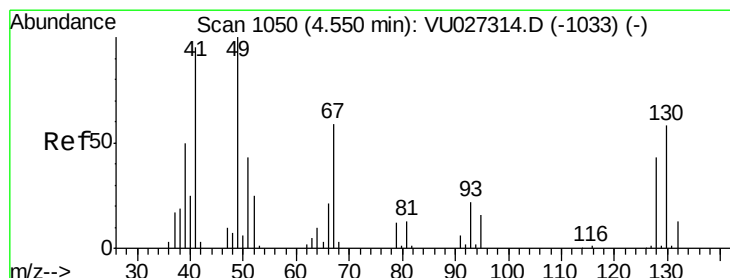
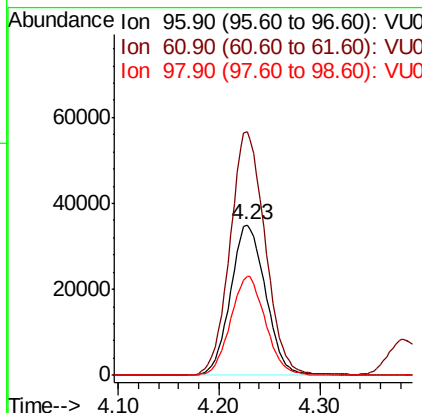
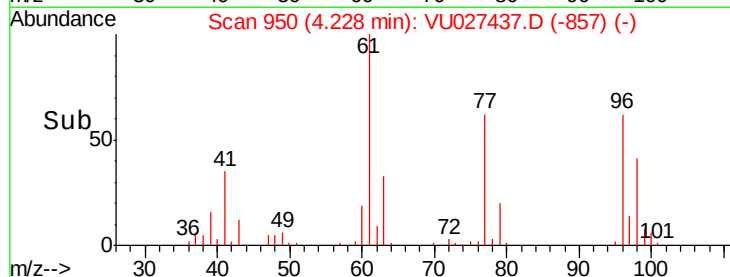
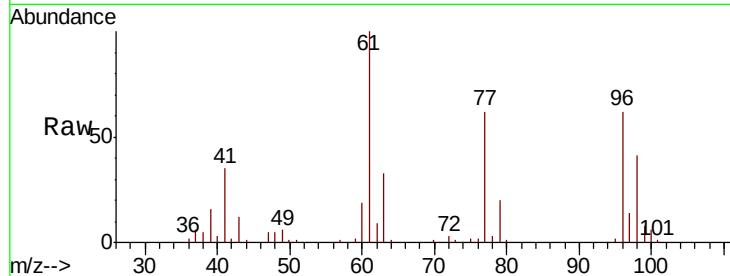
cis-1,2-Dichloroethene
Concen: 49.579 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.1	0.0	343.8
98	65.0	0.0	129.0

Manual Integrations
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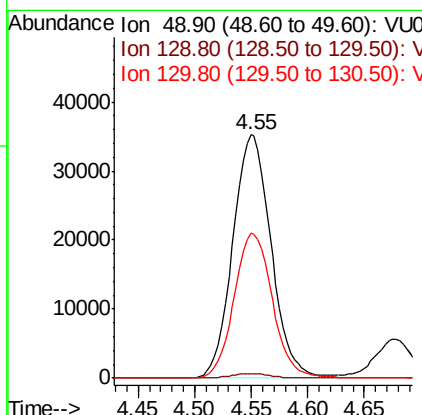
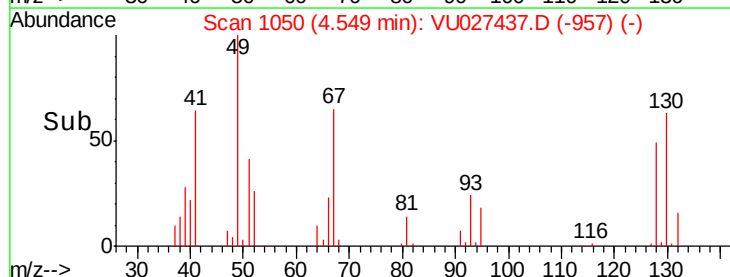
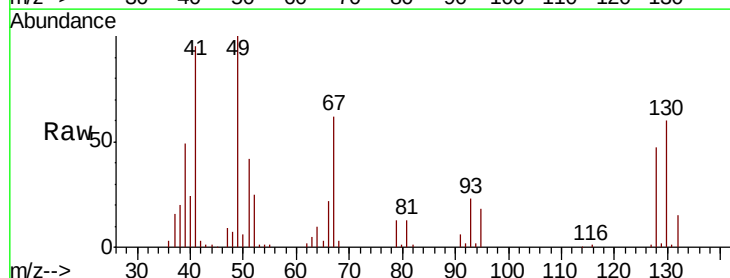
sam
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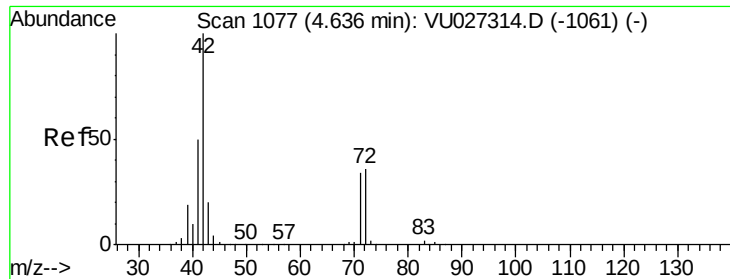


#28

Bromochloromethane
Concen: 51.976 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.0
130	59.5	46.1	69.1





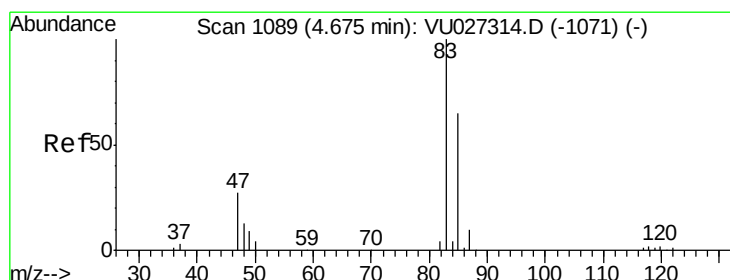
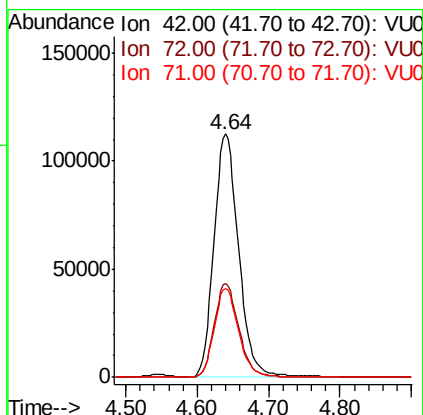
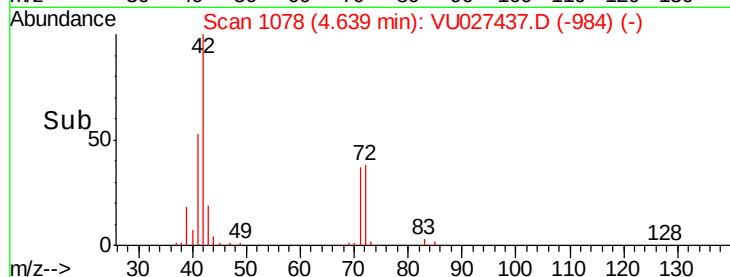
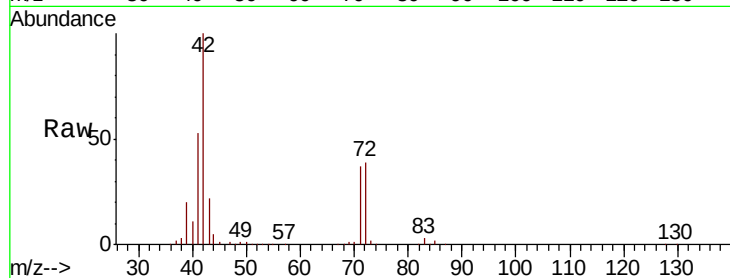
#29
Tetrahydrofuran
Concen: 250.530 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.1	45.1
71	36.5	27.7	41.5

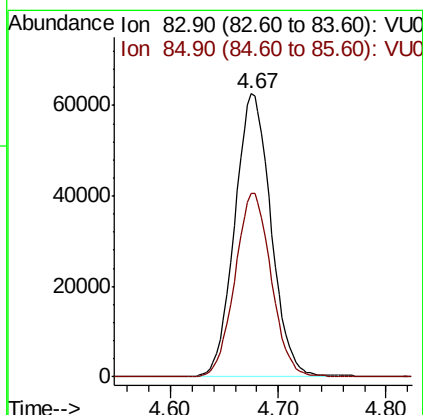
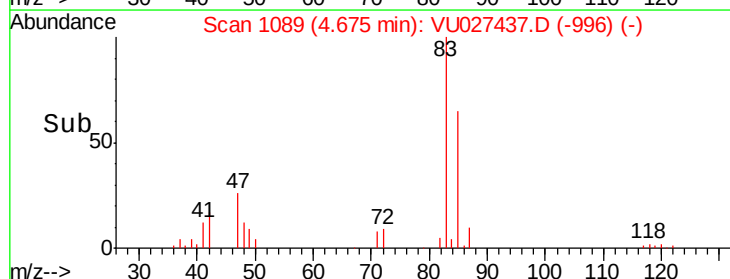
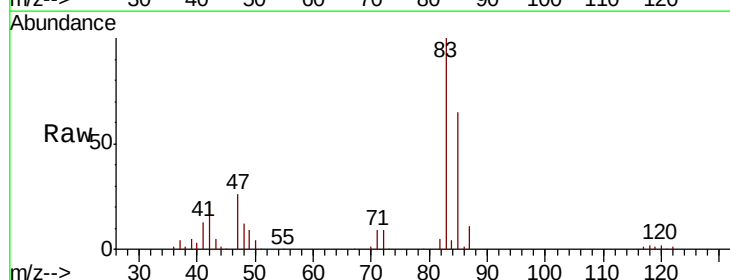
Manual Integrations
APPROVED

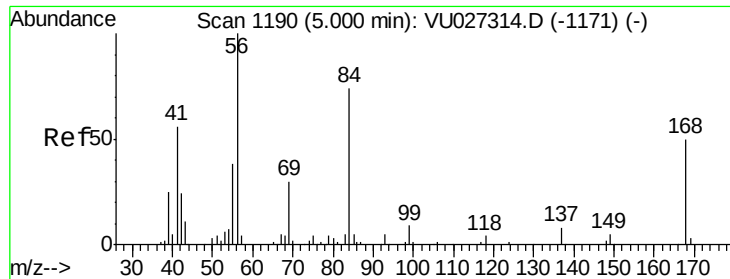
sam
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#30
Chloroform
Concen: 49.725 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





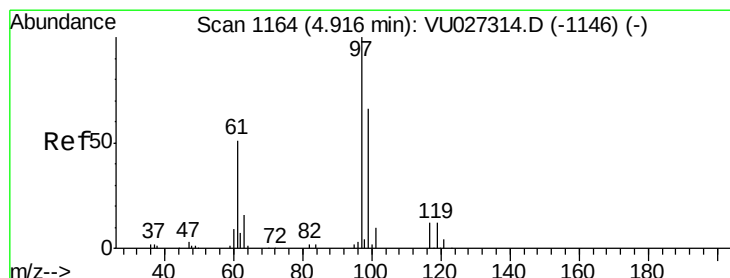
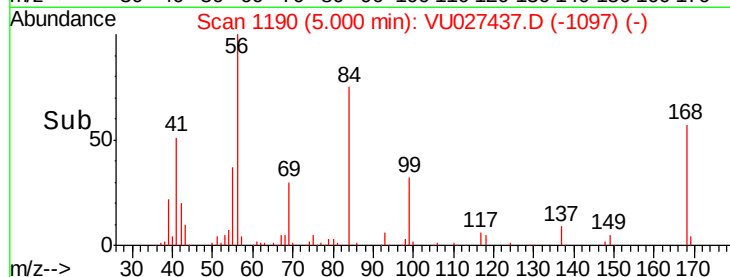
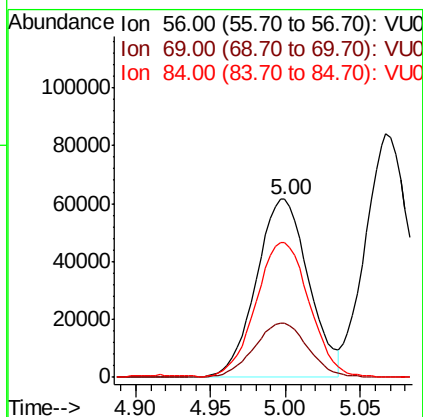
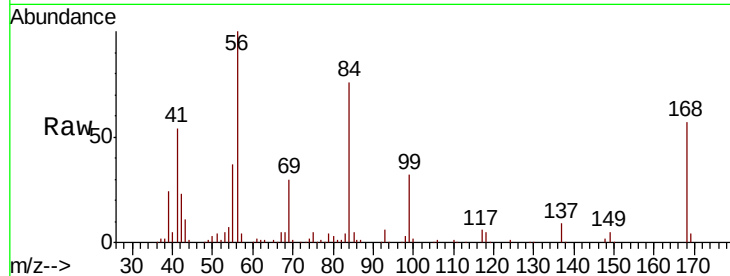
#31
Cyclohexane
Concen: 44.129 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.1	36.1
84	74.8	59.1	88.7

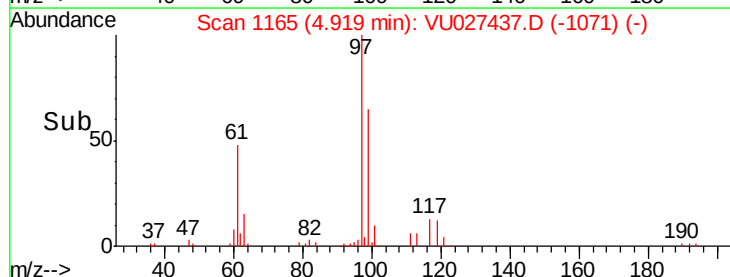
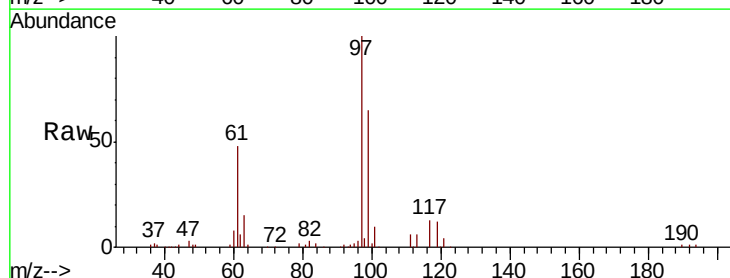
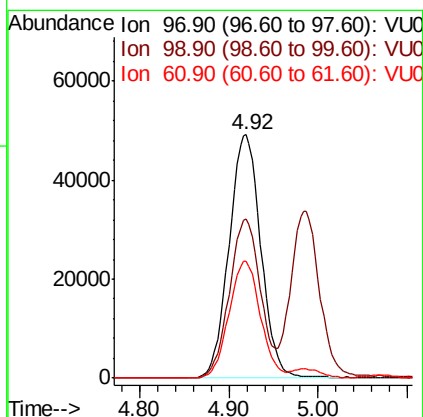
Manual Integrations
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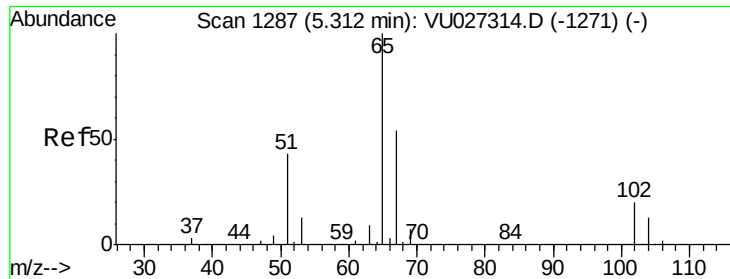
sam
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#32
1,1,1-Trichloroethane
Concen: 48.906 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.1	76.7
61	47.3	39.6	59.4





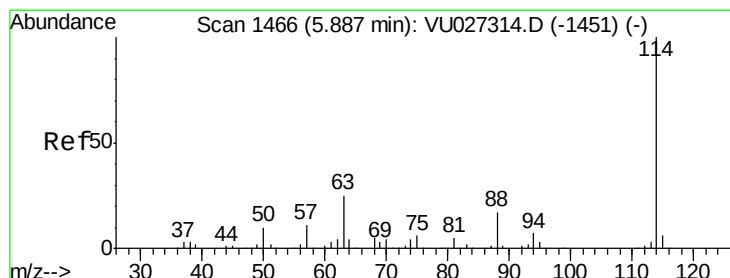
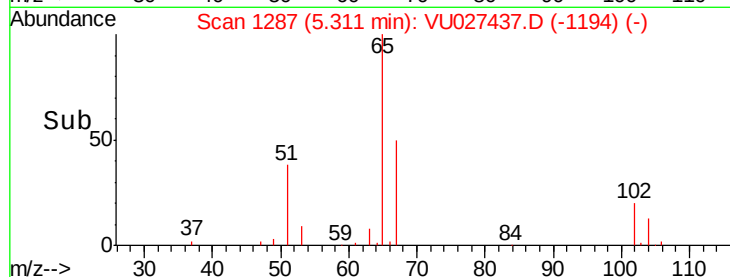
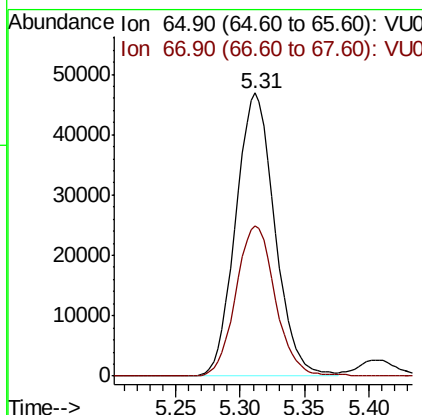
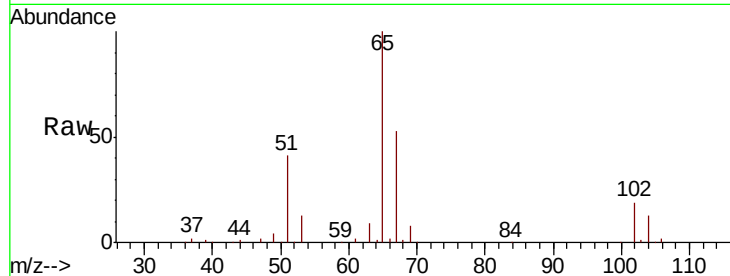
#33
 1,2-Dichloroethane-d4
 Concen: 46.878 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	107.8

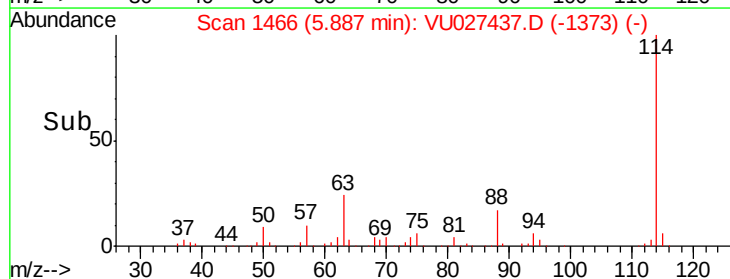
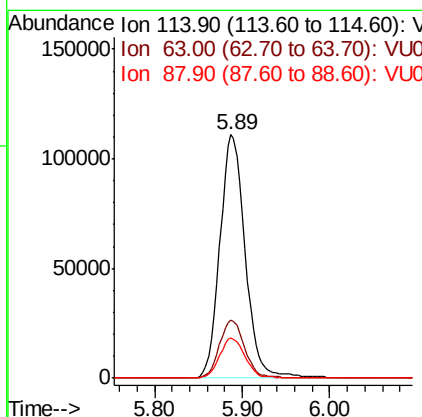
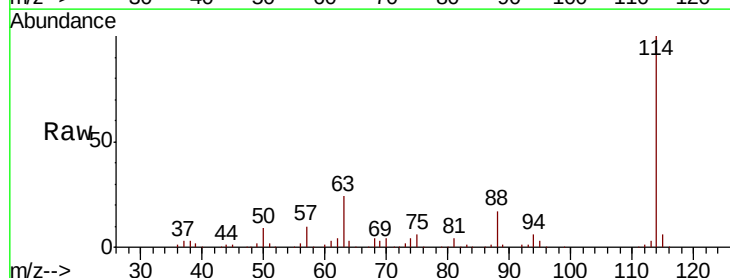
Manual Integrations
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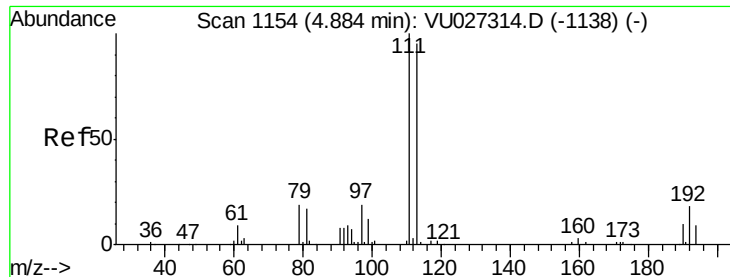
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	50.2
88	16.5	0.0	33.8





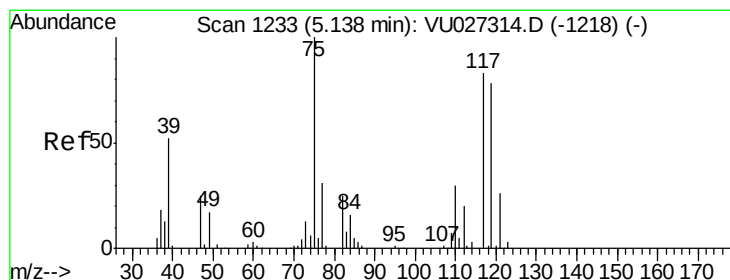
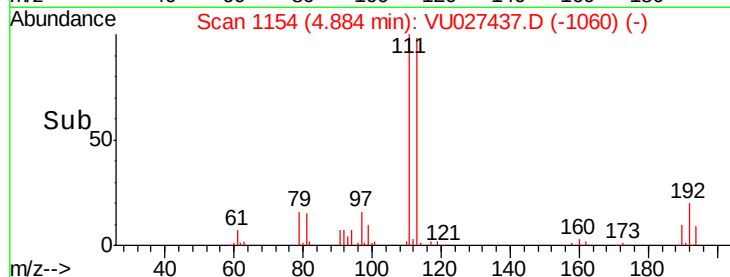
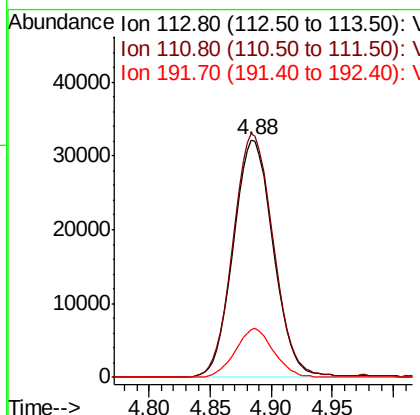
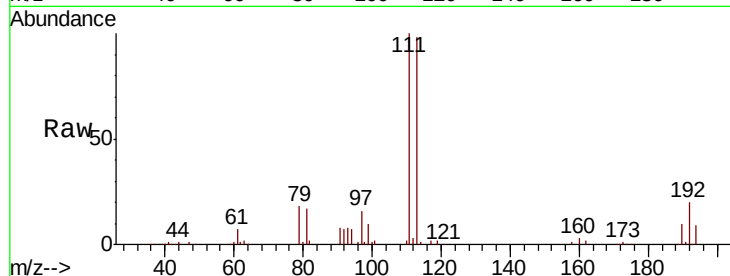
#35
Dibromofluoromethane
Concen: 47.788 ug/l
RT: 4.88 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.1	124.7
192	19.5	15.4	23.0

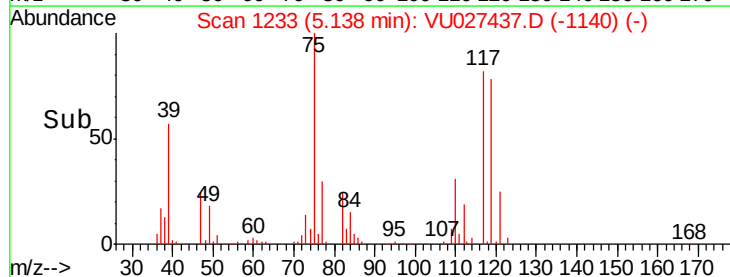
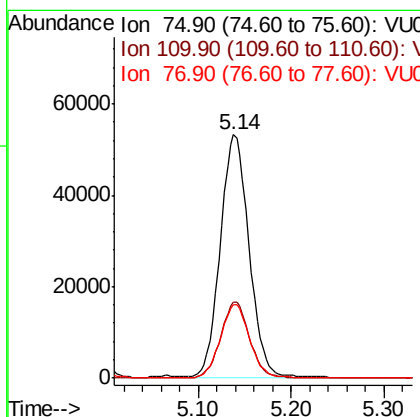
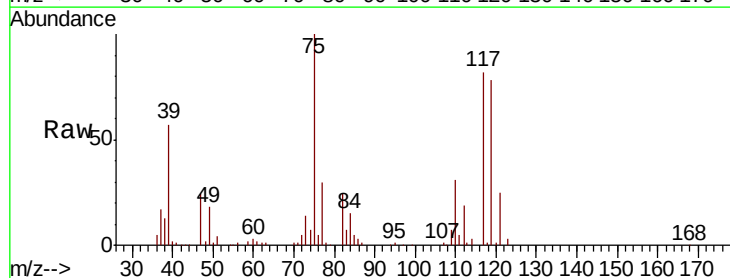
Manual Integrations
APPROVED

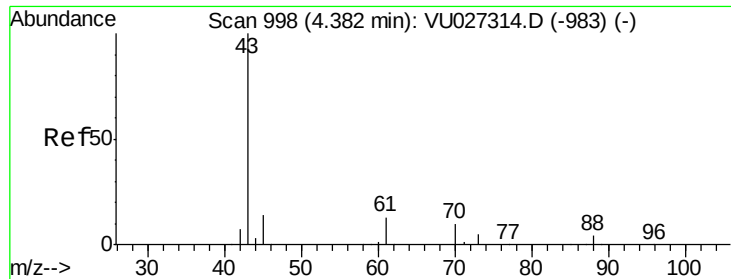
sam
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#36
1,1-Dichloropropene
Concen: 47.259 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.5	15.5	46.5
77	30.8	25.4	38.0





#37

Ethyl Acetate

Concen: 47.769 ug/l

RT: 4.38 min Scan# 998

Delta R.T. -0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Instrument :

MSVOA_U

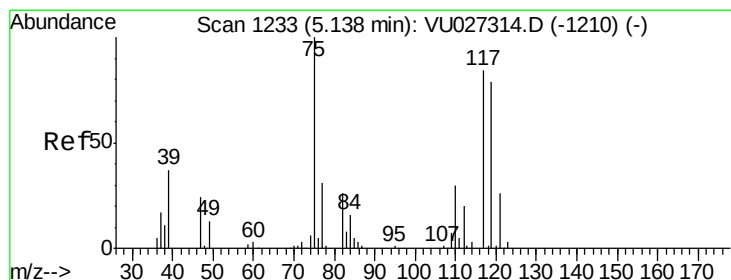
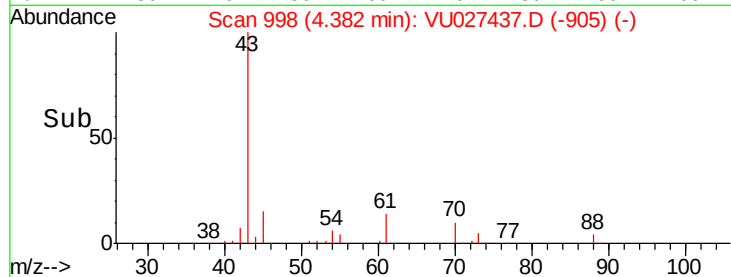
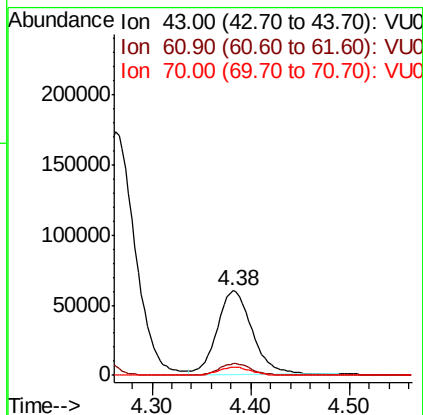
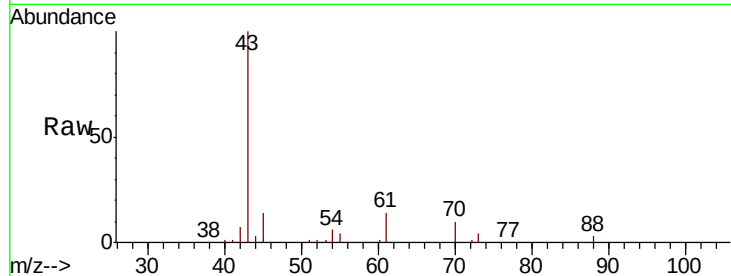
ClientSampleId :

EP-MW-H-092718MSD

Tot Ion:	43	Resp:	149570
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	9.3	7.4	11.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 46.006 ug/l

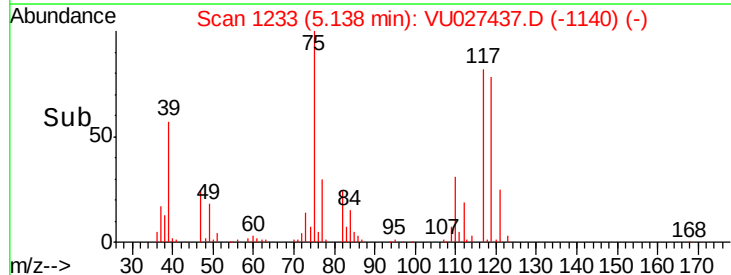
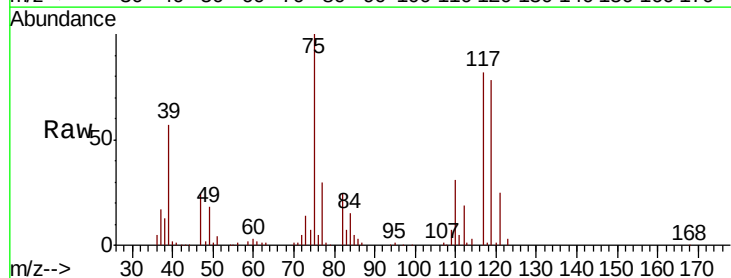
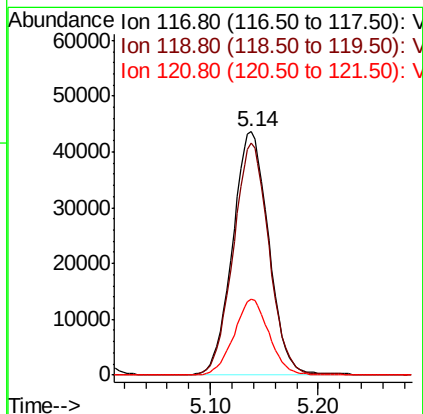
RT: 5.14 min Scan# 1233

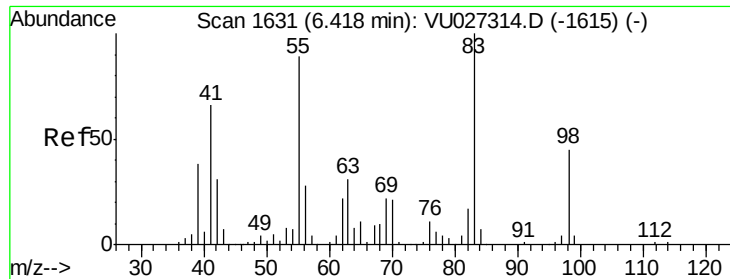
Delta R.T. -0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Tgt Ion:	117	Resp:	100683
Ion	Ratio	Lower	Upper
117	100		
119	95.5	74.5	111.7
121	31.2	24.6	37.0





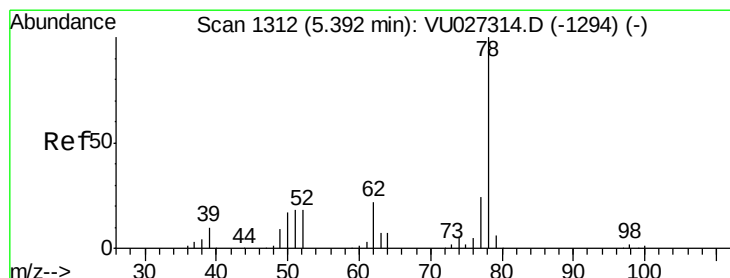
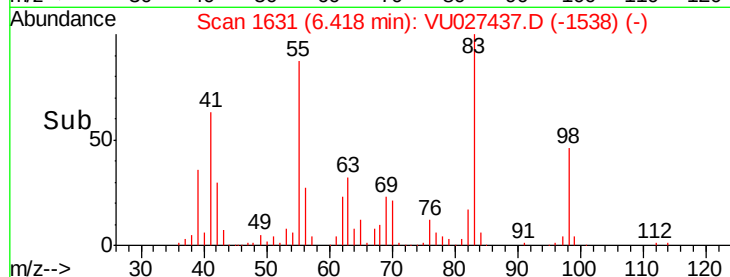
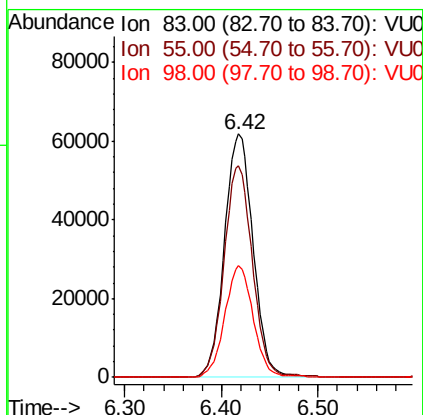
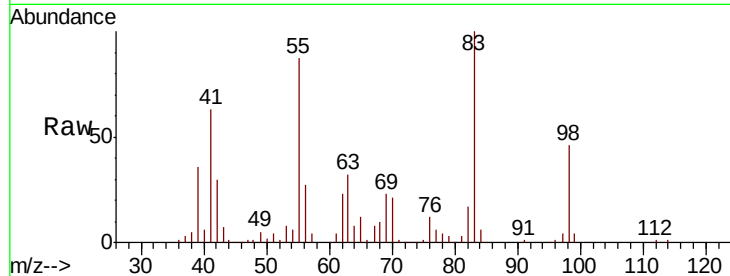
#39
Methylvlcyclohexane
Concen: 45.056 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.9	71.1	106.7
98	45.9	36.3	54.5

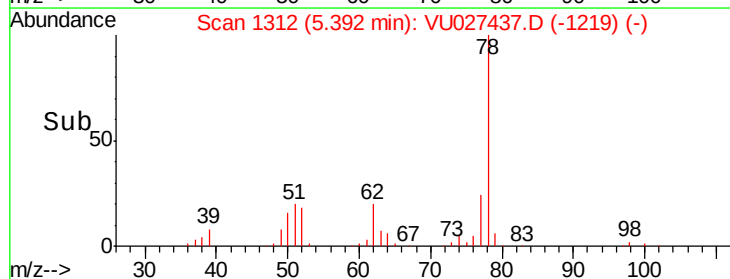
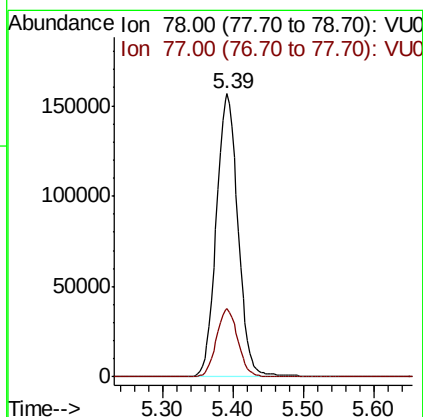
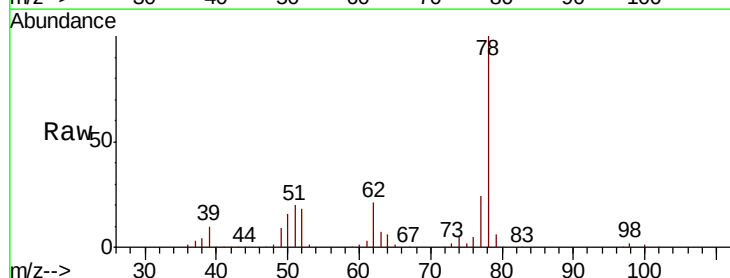
Manual Integrations
APPROVED

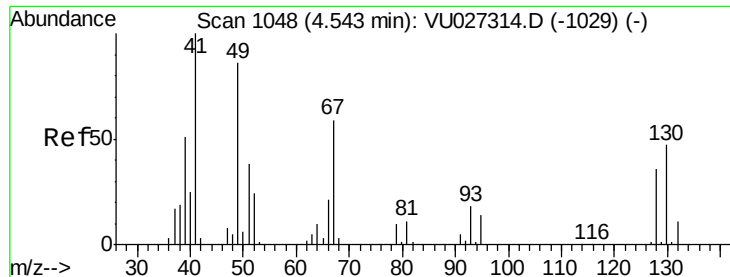
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#40
Benzene
Concen: 47.576 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





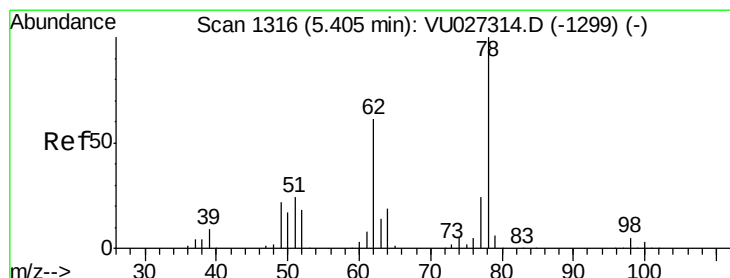
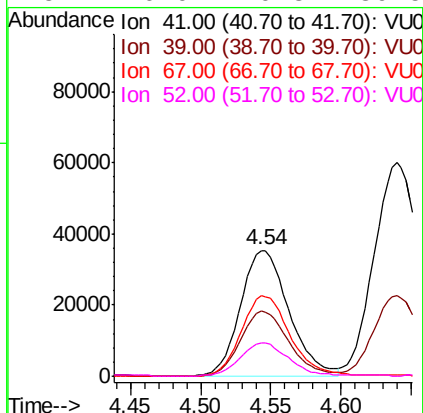
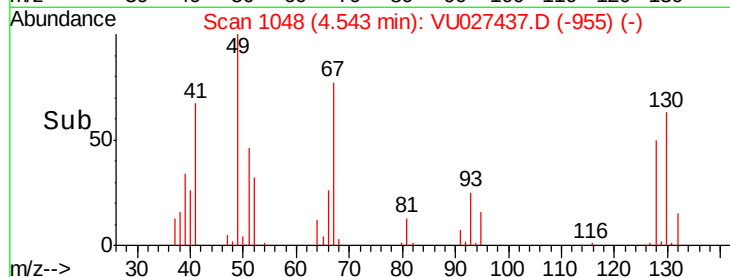
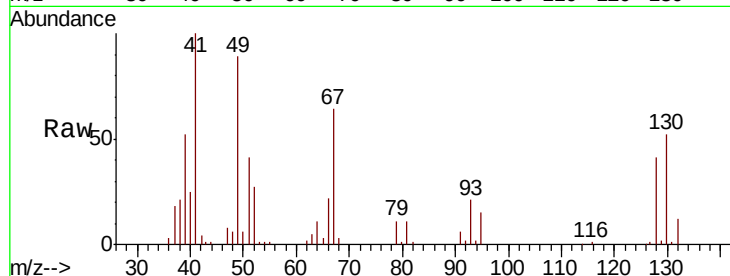
#41
Methacrylonitrile
Concen: 48.112 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.7	41.1	61.7	
67	65.0	50.4	75.6	
52	26.0	20.3	30.5	

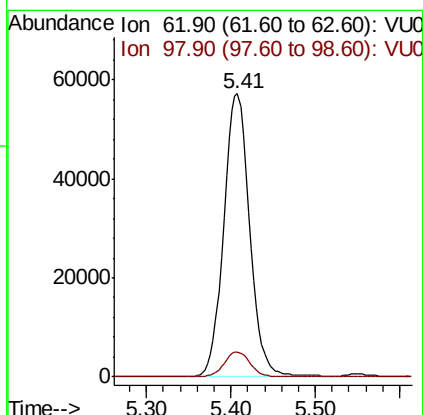
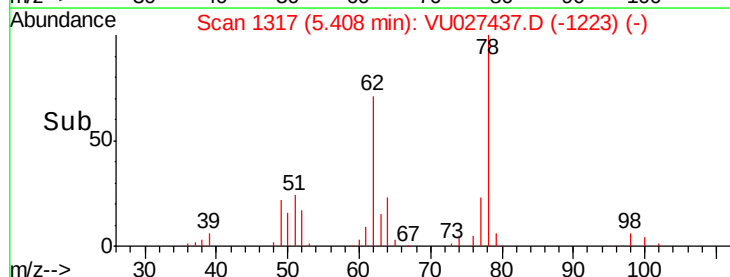
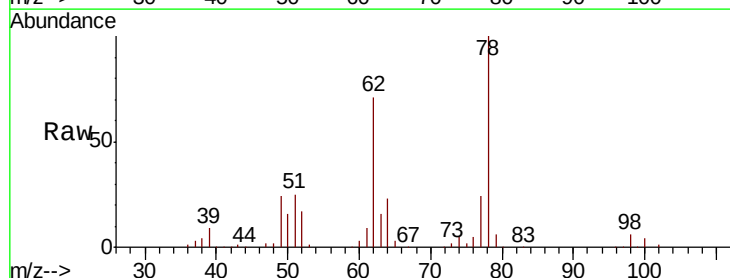
Manual Integrations
APPROVED

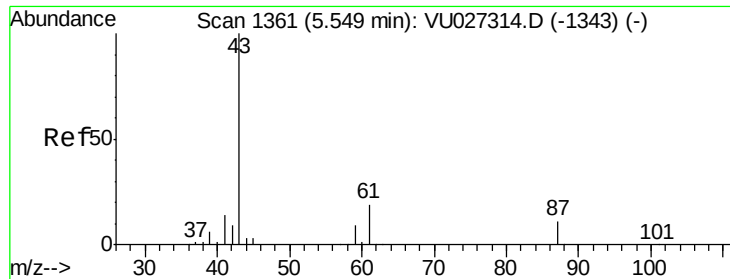
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#42
1,2-Dichloroethane
Concen: 46.702 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	16.8	





#43

Isopropyl Acetate

Concen: 48.641 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Instrument :

MSVOA_U

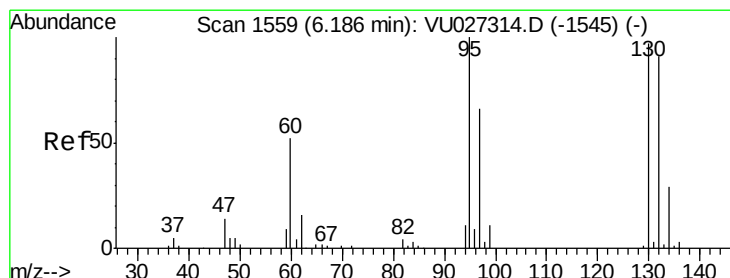
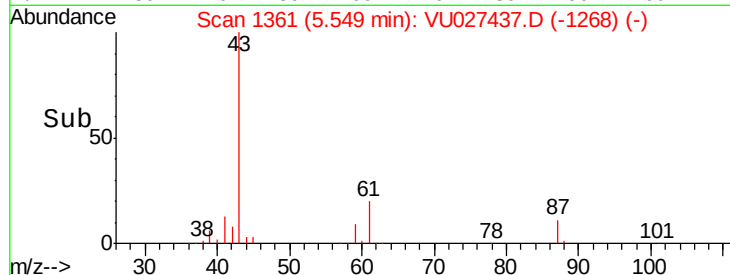
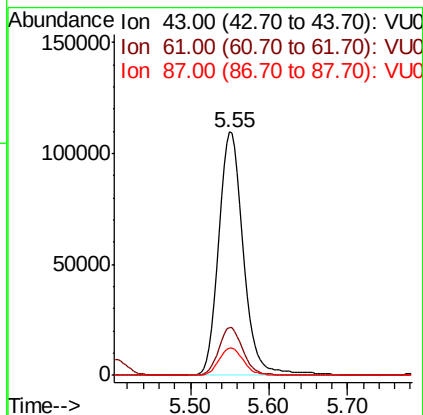
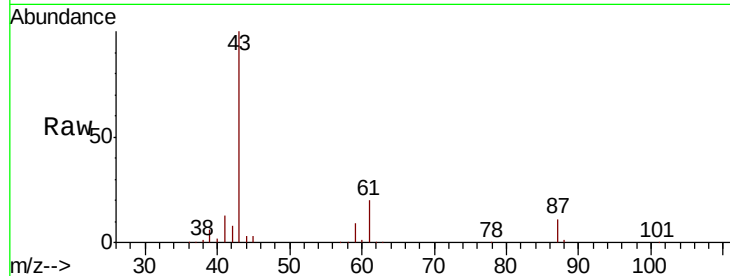
ClientSampleId :

EP-MW-H-092718MSD

Tot Ion:	43	Resp:	236540
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.3	22.9
87	11.2	8.6	13.0

Manual Integrations
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sam
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#44

Trichloroethene

Concen: 48.662 ug/l

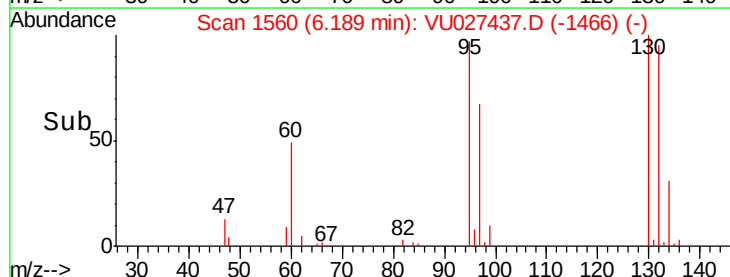
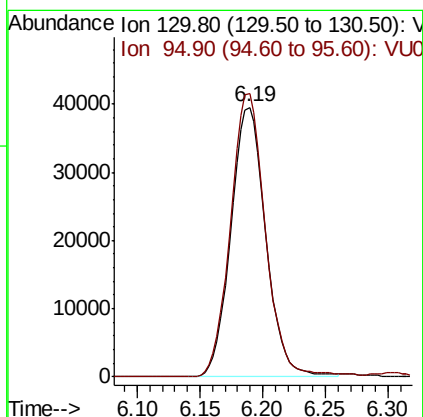
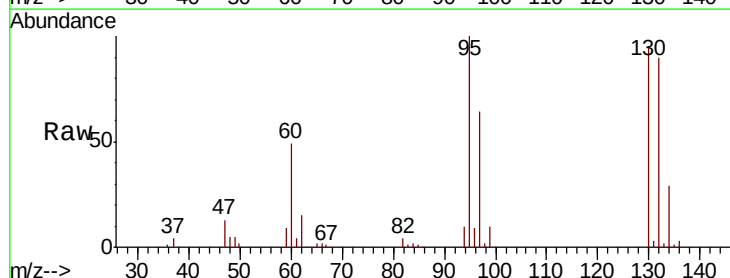
RT: 6.19 min Scan# 1560

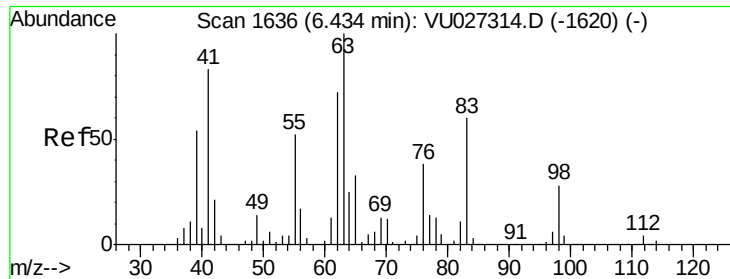
Delta R.T. 0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Tgt Ion:	130	Resp:	76574
Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	207.0





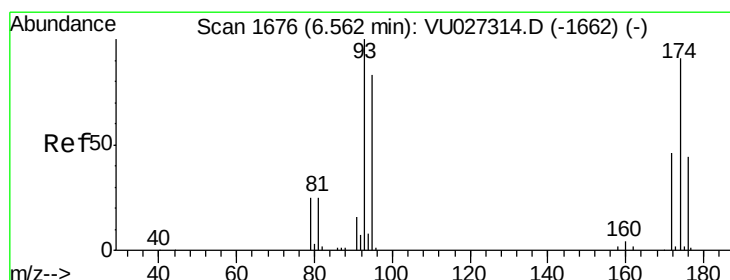
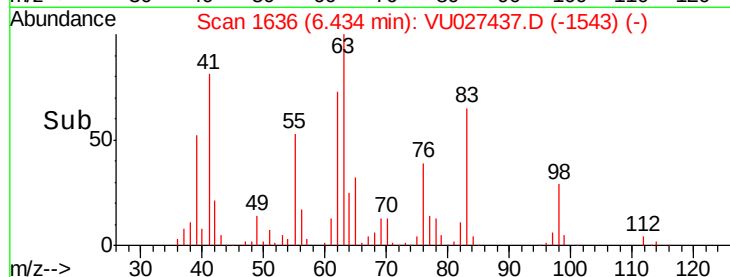
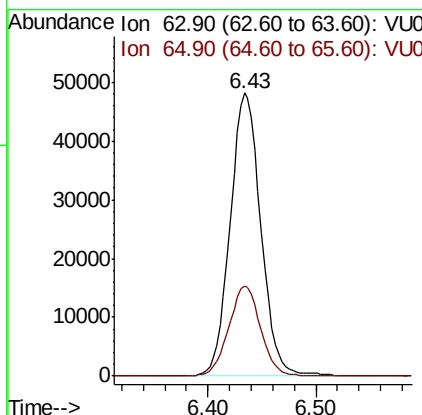
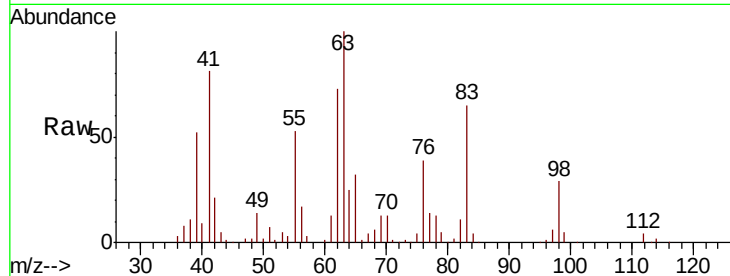
#45
 1,2-Dichloropropane
 Concen: 46.984 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MSD

Tot Ion: 63 Resp: 95636
 Ion Ratio Lower Upper
 63 100
 65 32.1 26.0 39.0

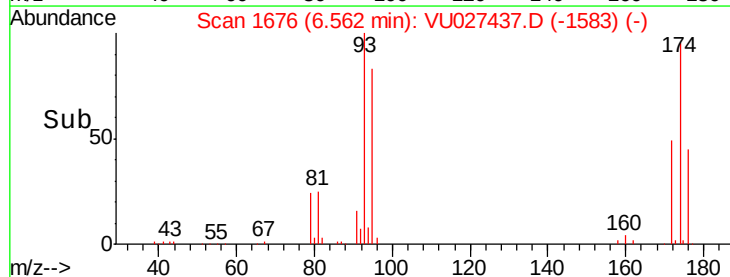
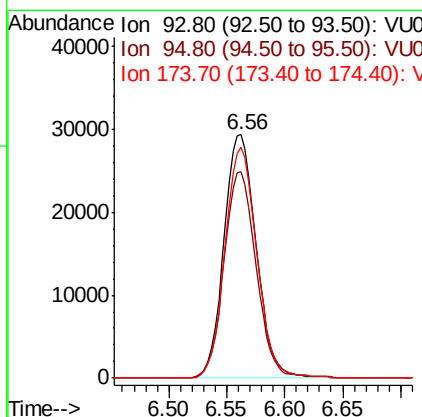
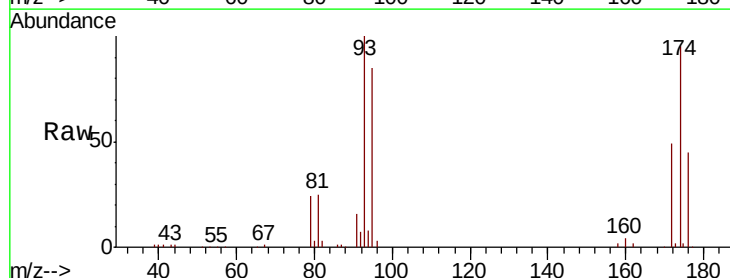
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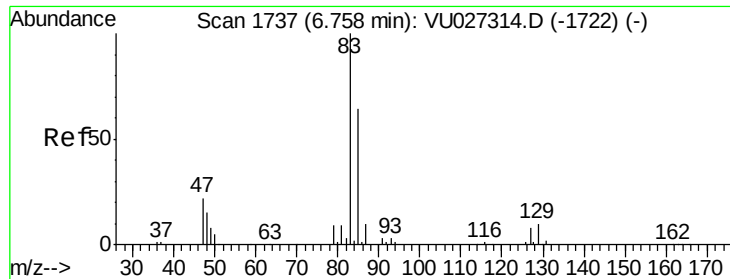
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#46
 Dibromomethane
 Concen: 49.091 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. -0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Tgt Ion: 93 Resp: 56436
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.5 99.7
 174 93.9 72.5 108.7





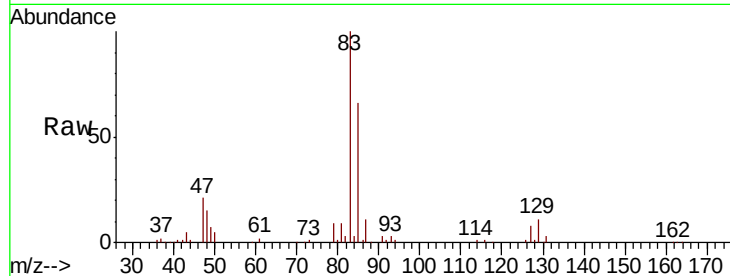
#47
Bromodichloromethane
Concen: 47.107 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MSD

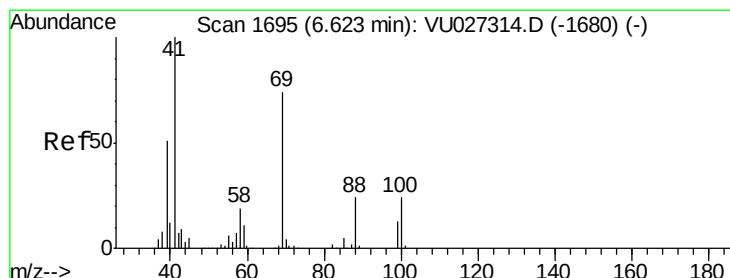
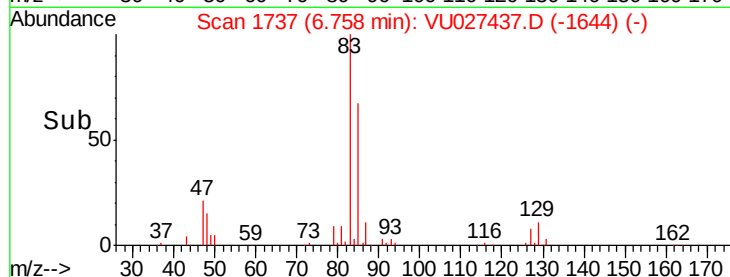
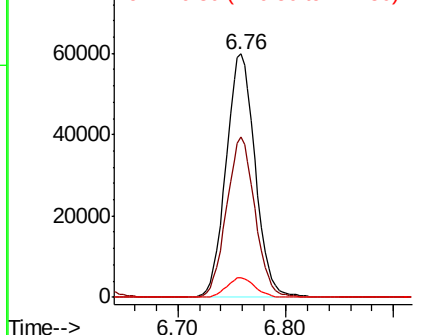
Tot Ion	83	Resp	112370
Ion Ratio	100	Lower	Upper
83	100		
85	65.8	51.4	77.0
127	8.1	6.3	9.5

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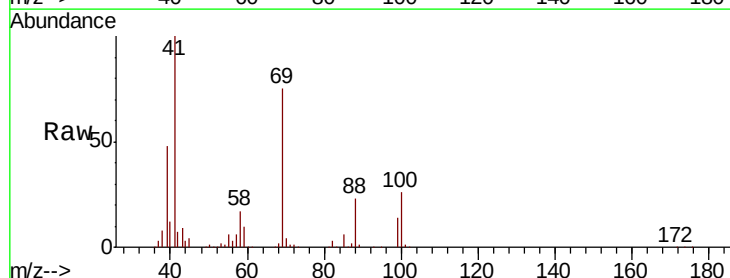


Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V

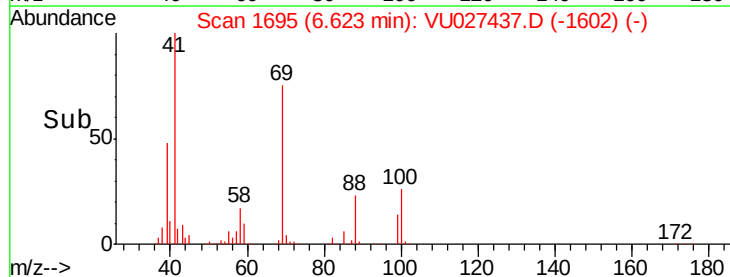
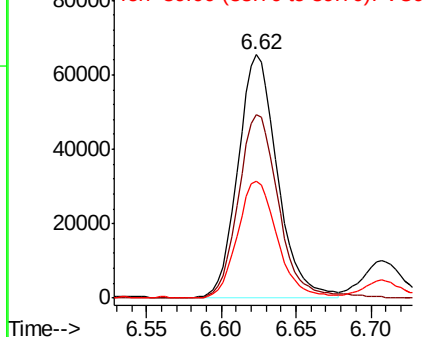


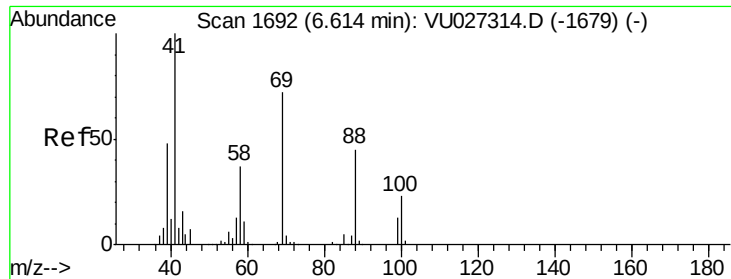
#48
Methyl methacrylate
Concen: 49.284 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Tgt Ion	41	Resp	119182
Ion Ratio	100	Lower	Upper
41	100		
69	78.0	61.0	91.4
39	49.2	39.9	59.9



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





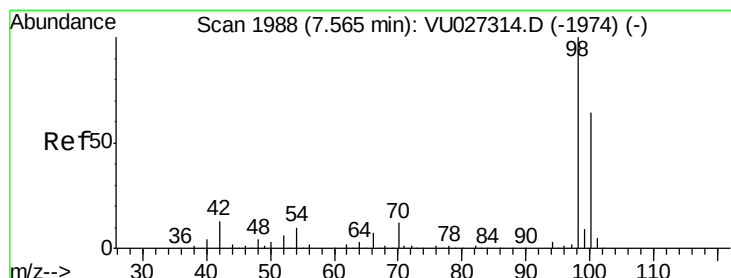
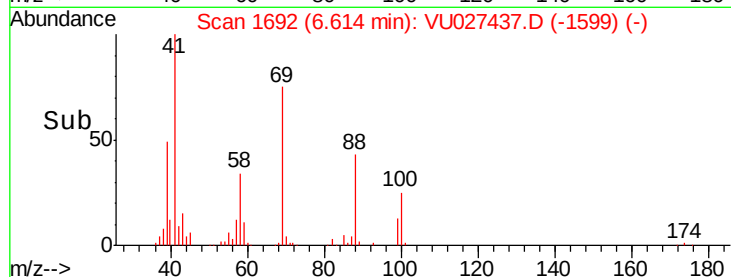
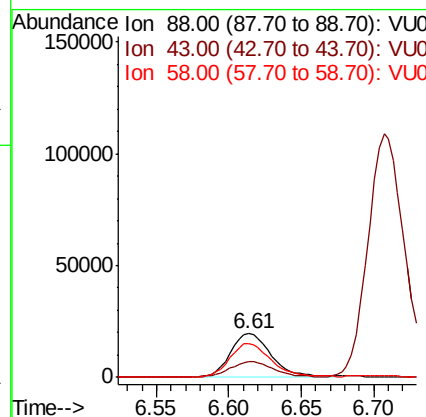
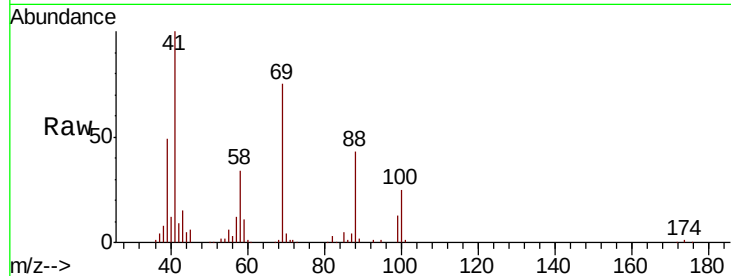
#49
1,4-Dioxane
Concen: 911.430 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	30.8	46.2
58	80.0	67.0	100.6

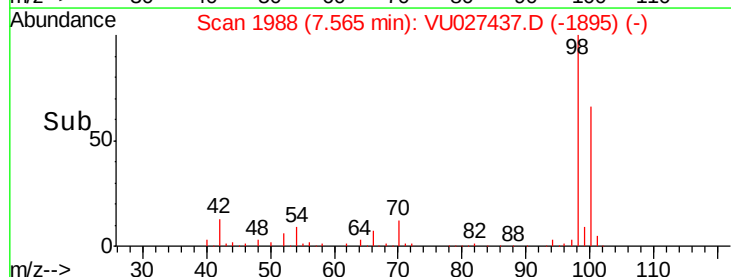
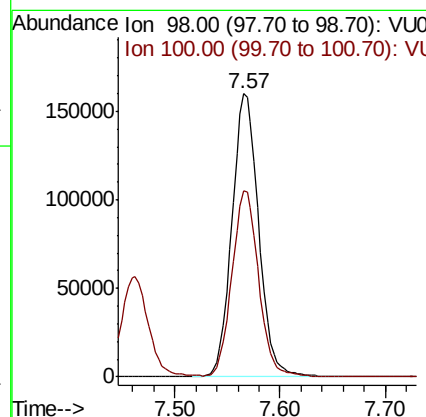
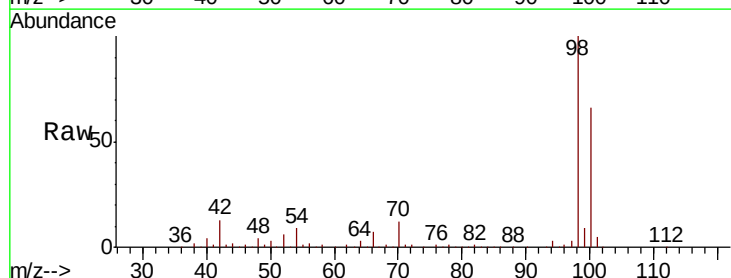
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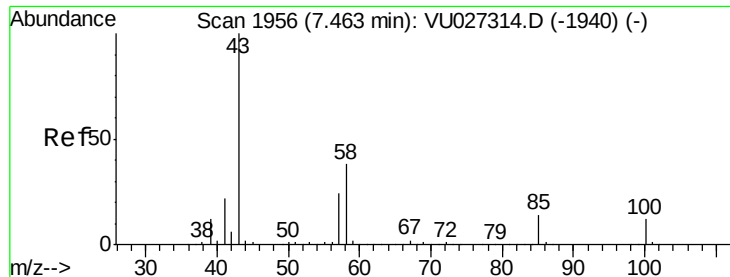
sam
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#50
Toluene-d8
Concen: 48.960 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1





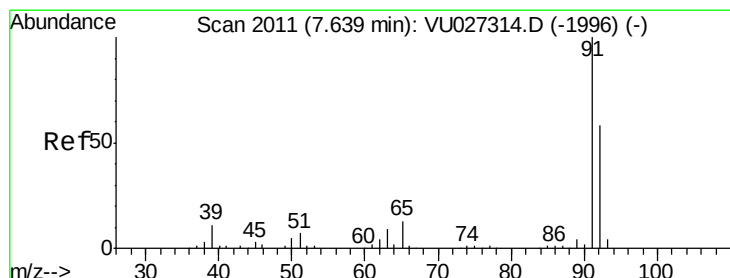
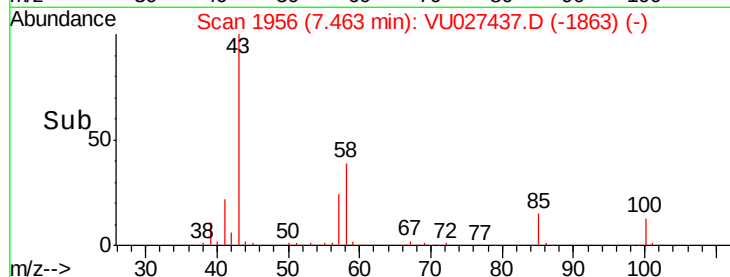
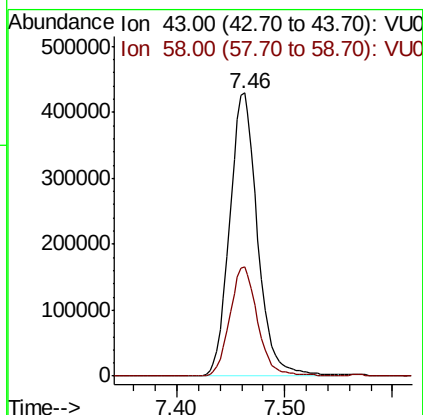
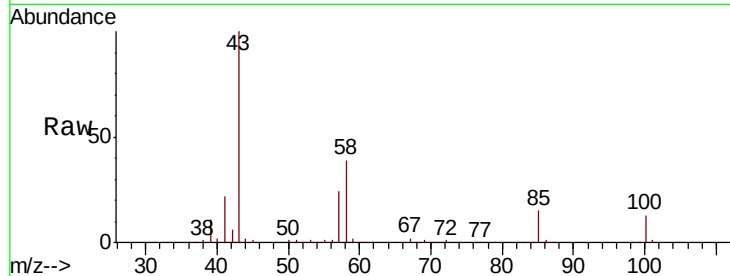
#51
4-Methyl-2-Pentanone
Concen: 244.814 ug/l
RT: 7.46 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	29.8	44.8

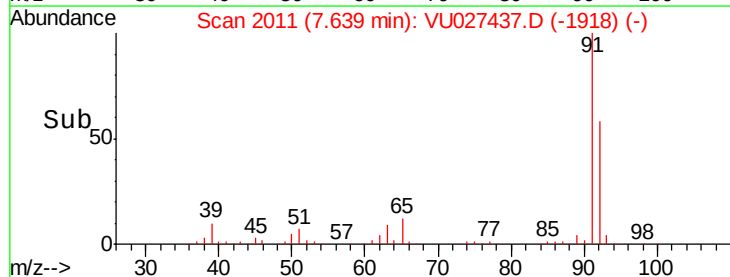
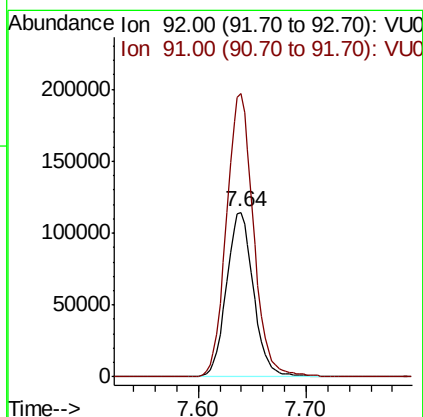
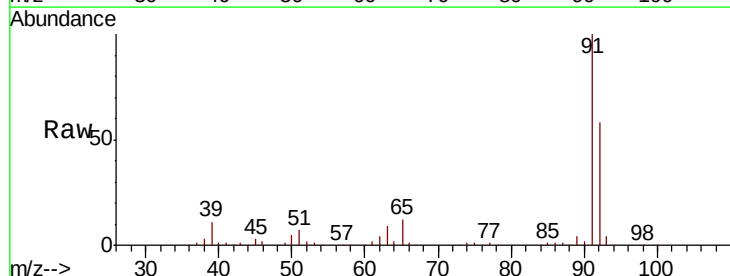
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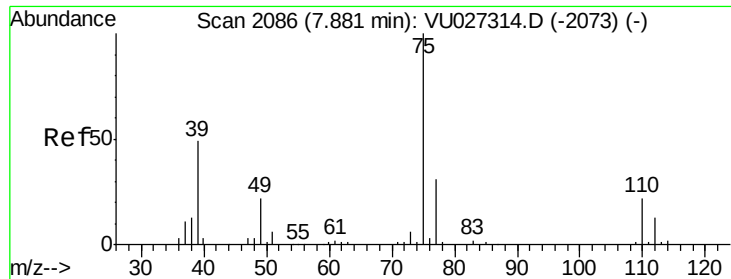
sam
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#52
Toluene
Concen: 47.973 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.1	138.6	208.0





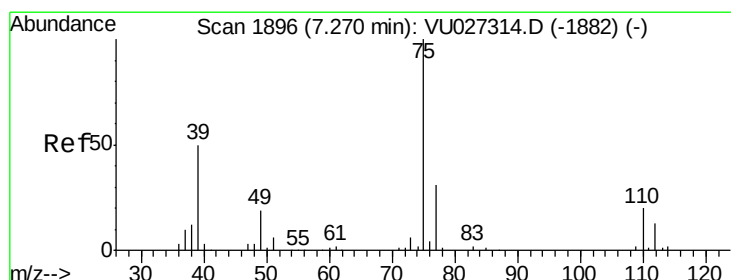
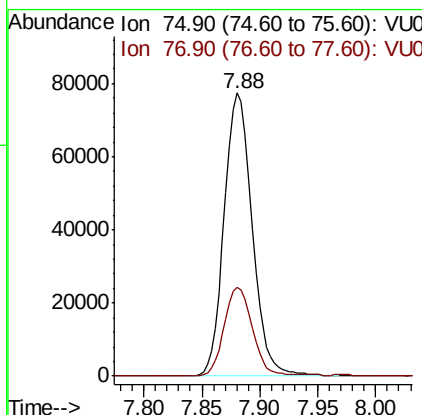
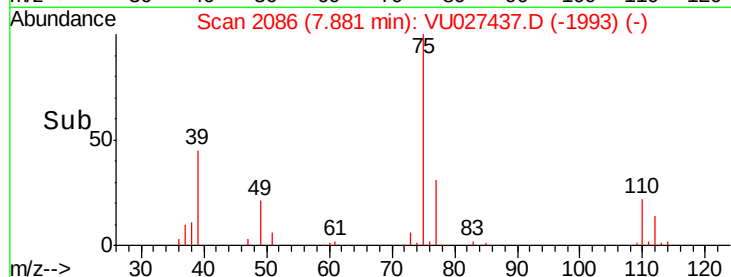
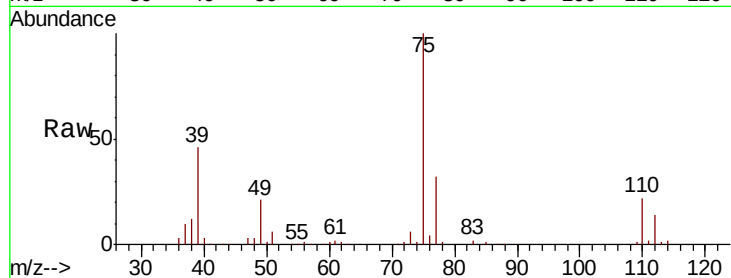
#53
t-1,3-Dichloropropene
Concen: 46.389 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MSD

Tot Ion: 75 Resp: 129745
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6

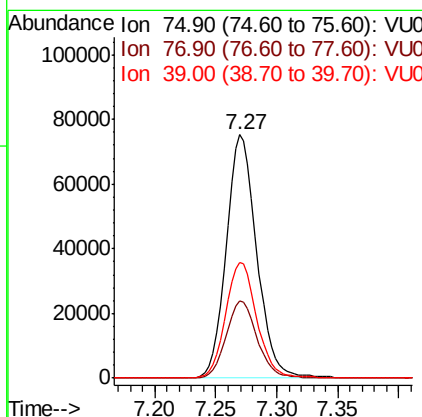
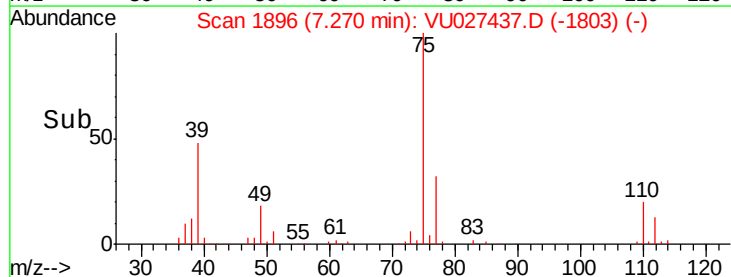
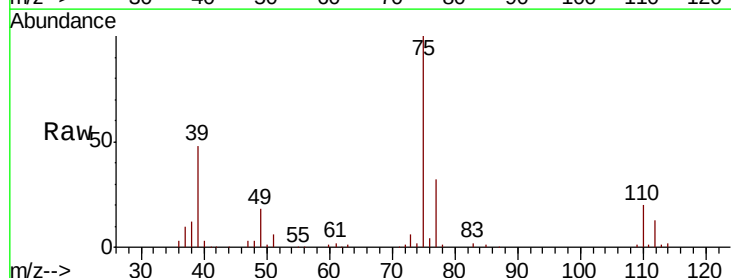
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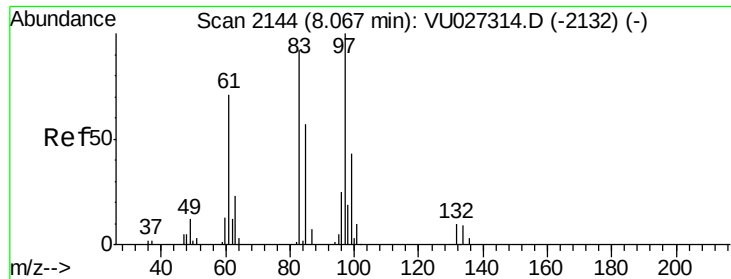
sam
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#54
cis-1,3-Dichloropropene
Concen: 43.717 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Tgt Ion: 75 Resp: 131444
Ion Ratio Lower Upper
75 100
77 31.7 24.5 36.7
39 47.8 40.1 60.1





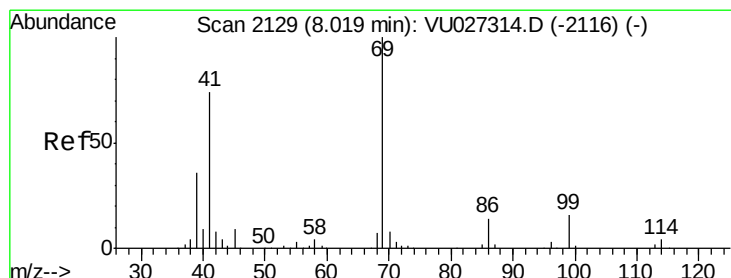
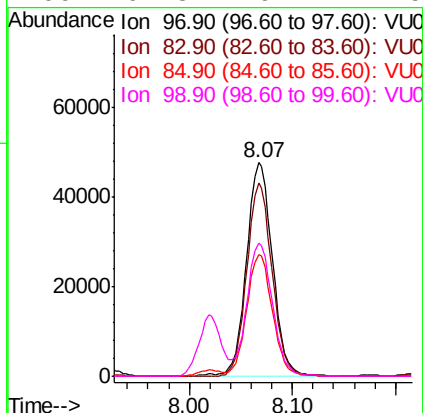
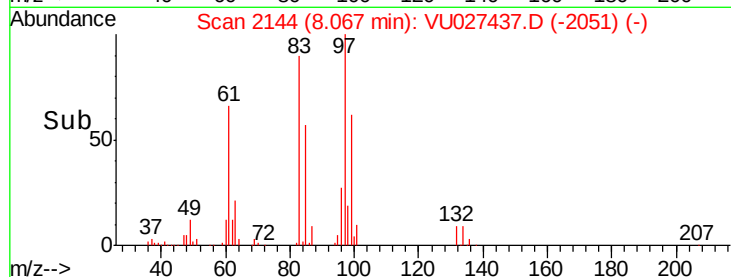
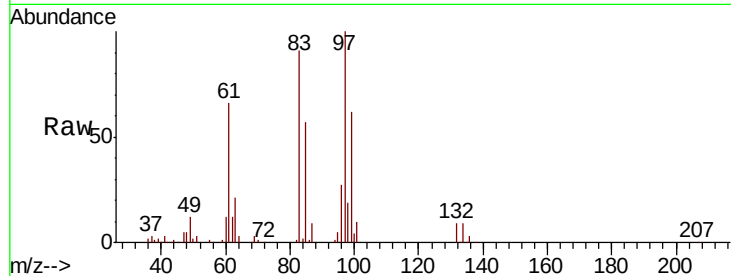
#55
 1,1,2-Trichloroethane
 Concen: 50.342 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MSD

Tot Ion:	97	Resp:	83372
Ion	Ratio	Lower	Upper
97	100		
83	90.5	73.0	109.6
85	56.9	47.3	70.9
99	62.3	49.7	74.5

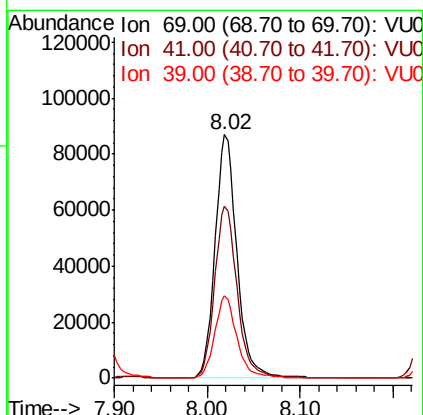
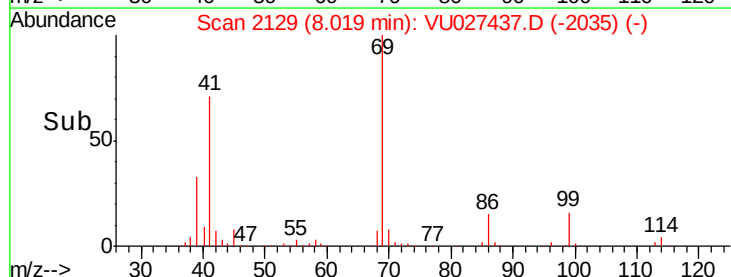
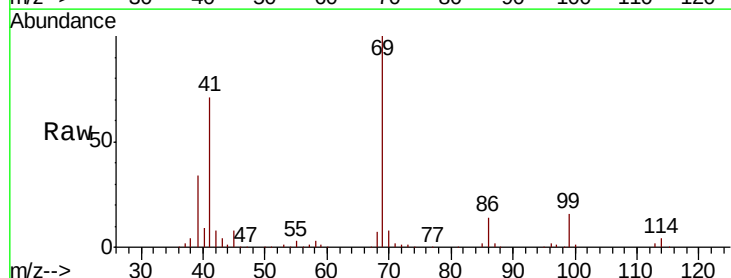
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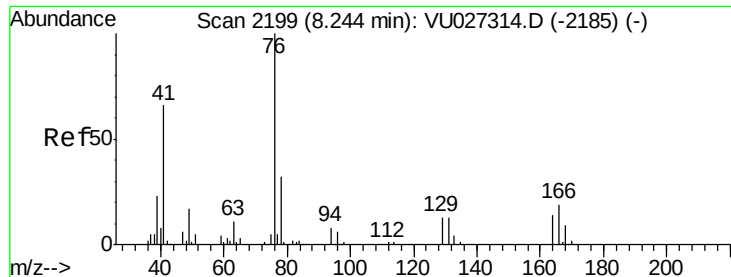
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#56
 Ethyl methacrylate
 Concen: 45.276 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Tgt Ion:	69	Resp:	142878
Ion	Ratio	Lower	Upper
69	100		
41	72.9	60.0	90.0
39	33.8	29.5	44.3





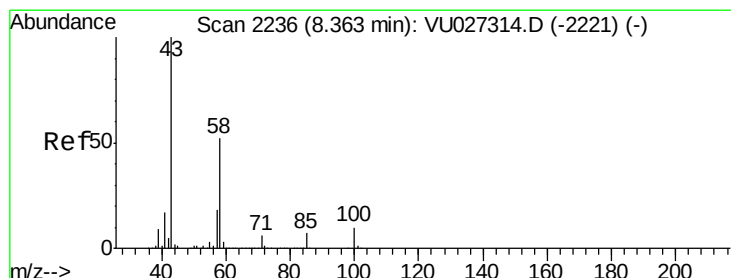
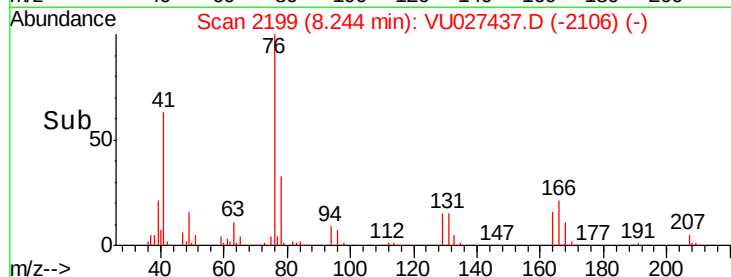
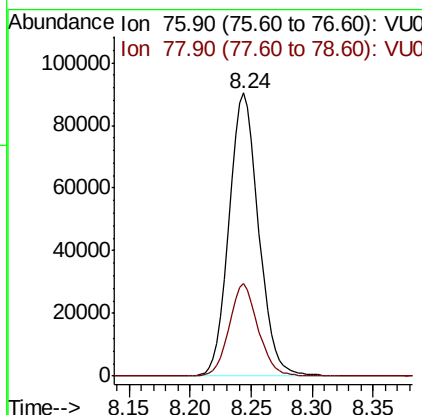
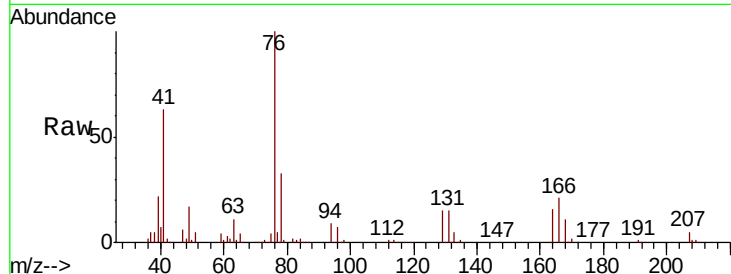
#57
 1,3-Dichloropropane
 Concen: 47.619 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.6

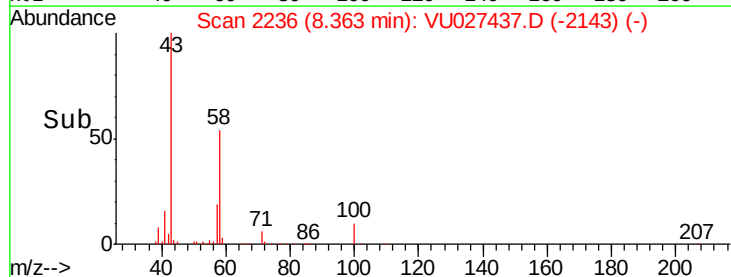
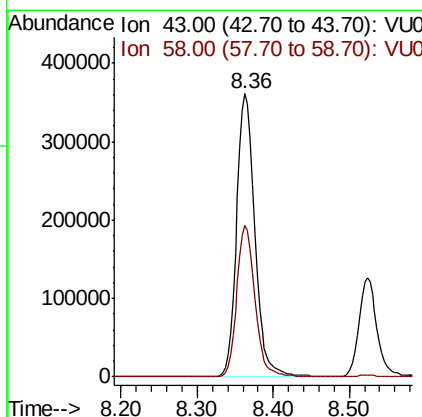
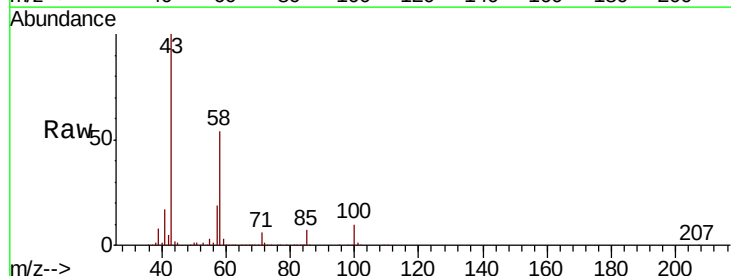
Manual Integrations
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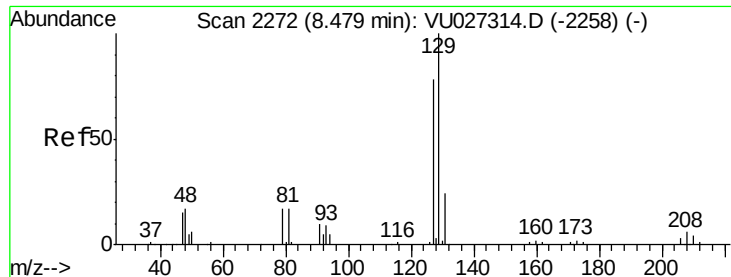
sam
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#59
 2-Hexanone
 Concen: 245.321 ug/l
 RT: 8.36 min Scan# 2236
 Delta R.T. -0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.1	78.3





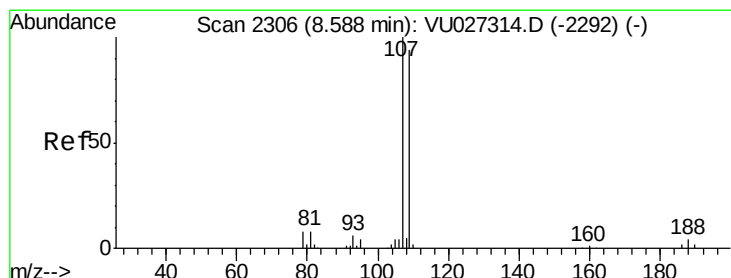
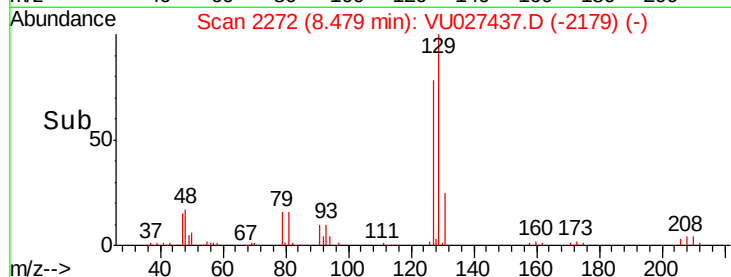
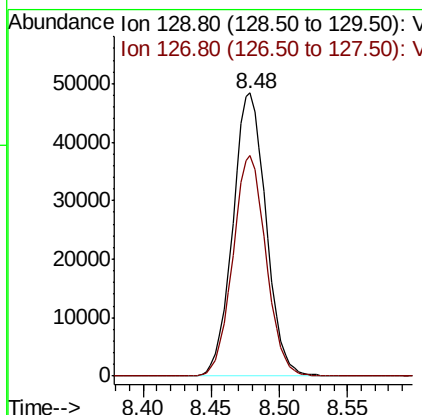
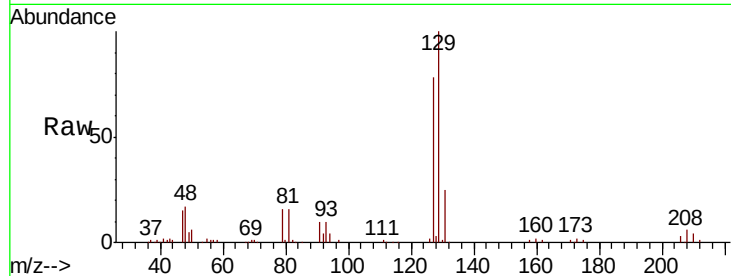
#60
 Dibromochloromethane
 Concen: 49.361 ug/l
 RT: 8.48 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MSD

Tot Ion:129 Resp: 81988
 Ion Ratio Lower Upper
 129 100
 127 77.5 39.1 117.2

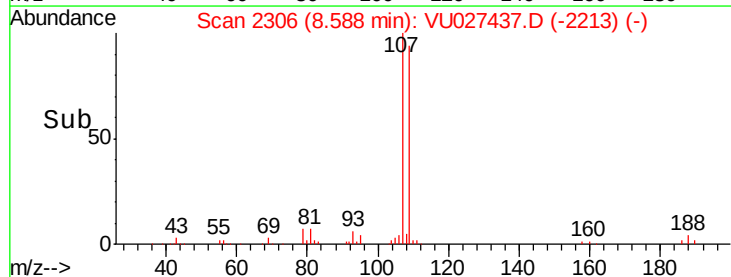
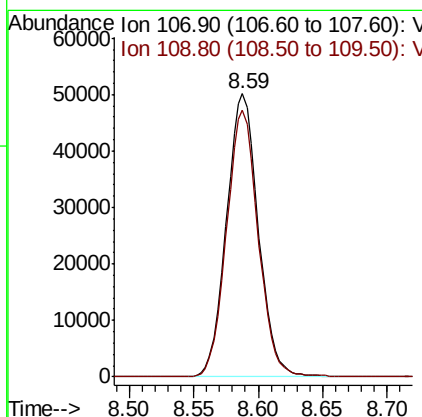
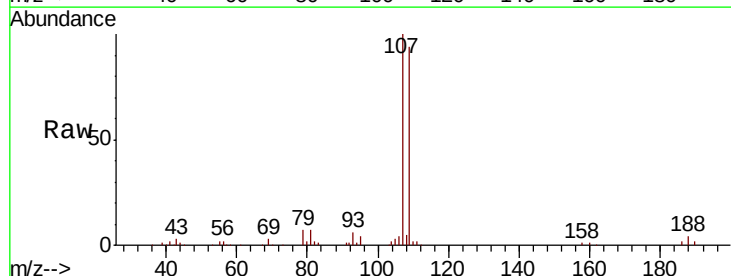
Manual Integrations
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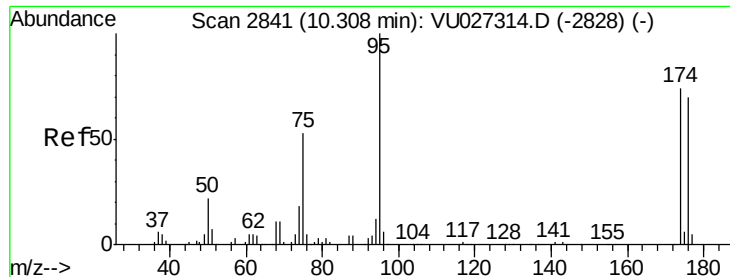
sam
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#61
 1,2-Dibromoethane
 Concen: 48.717 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Tgt Ion:107 Resp: 85783
 Ion Ratio Lower Upper
 107 100
 109 93.8 74.5 111.7





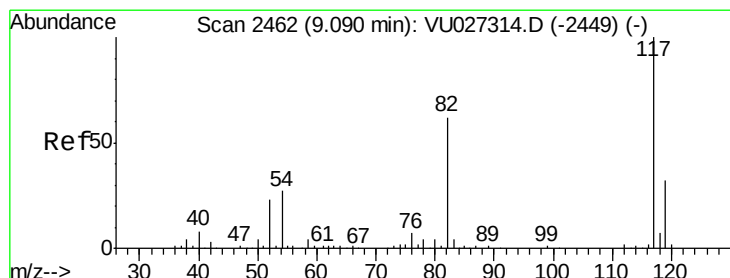
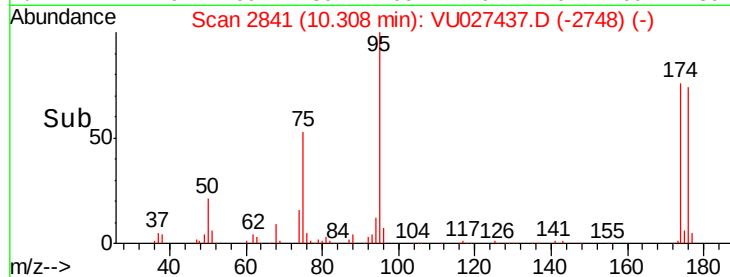
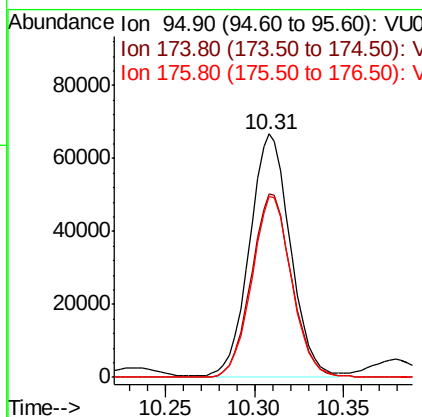
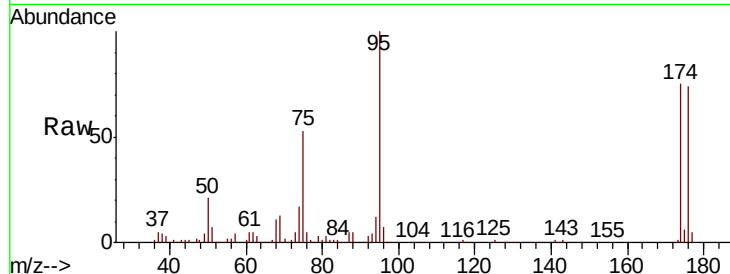
#62
4-Bromofluorobenzene
Concen: 50.101 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	106565		
174	74.8	0.0	147.8	
176	72.8	0.0	140.8	

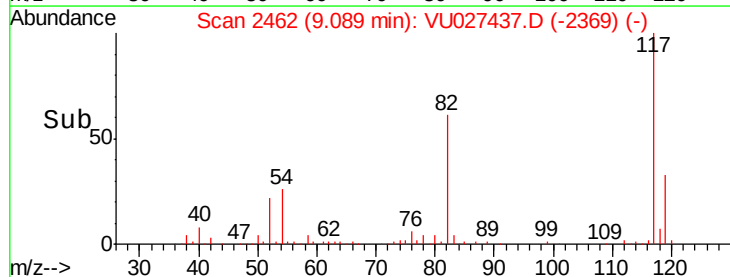
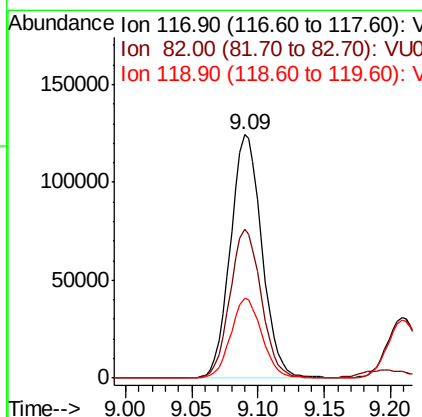
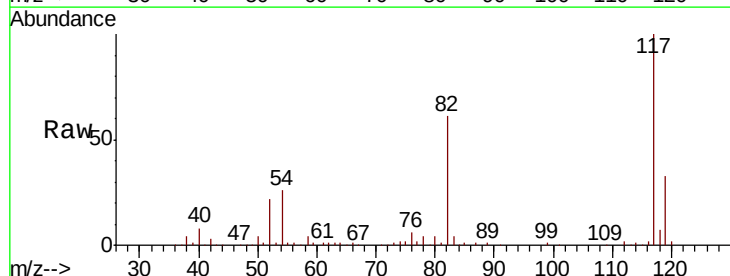
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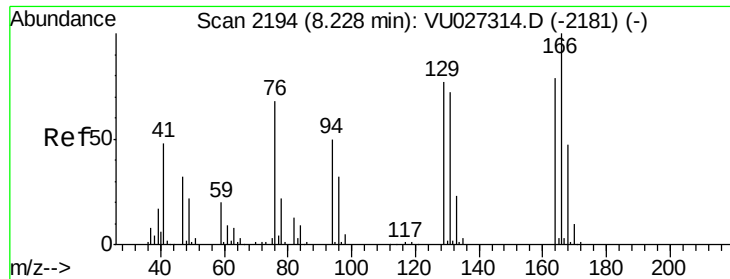
sam
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	205152		
82	61.0	49.2	73.8	
119	32.6	25.7	38.5	





#64

Tetrachloroethene

Concen: 48.649 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Instrument :

MSVOA_U

ClientSampleId :

EP-MW-H-092718MSD

Tot Ion:164 Resp: 62130

Ion Ratio Lower Upper

164 100

166 130.3 101.0 151.6

129 98.2 78.0 117.0

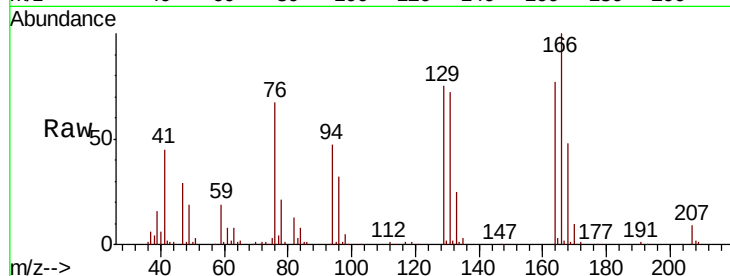
131 94.4 72.6 109.0

Manual Integrations

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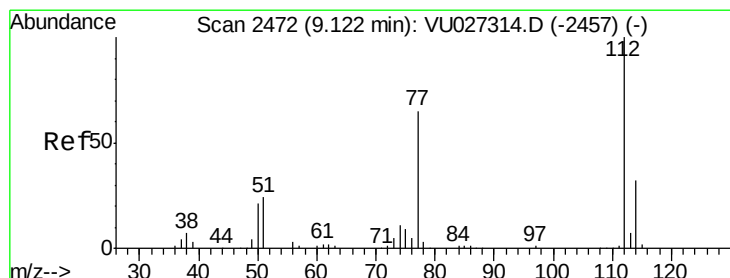
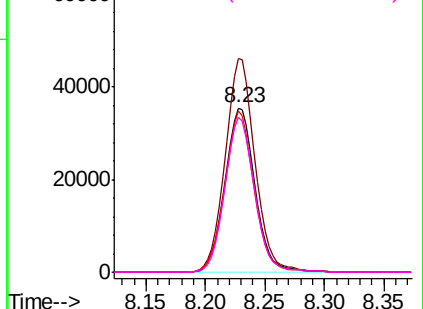
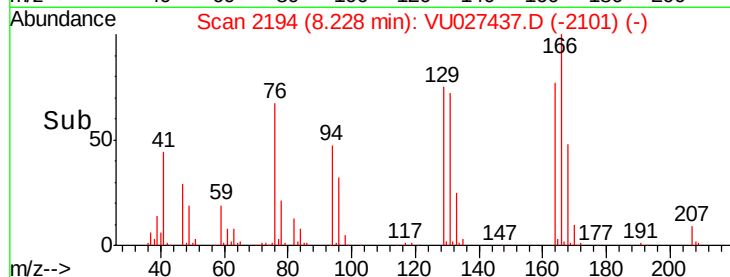
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 49.298 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU027437.D

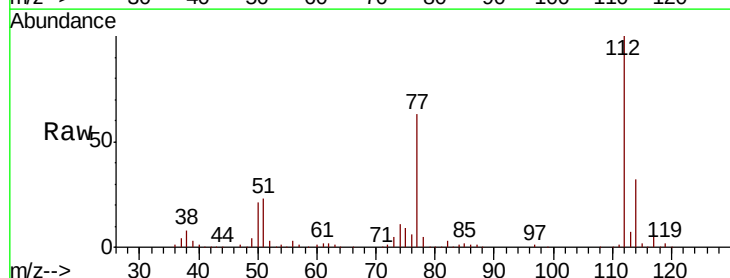
Acq: 05 Oct 2018 02:36

Tgt Ion:112 Resp: 212883

Ion Ratio Lower Upper

112 100

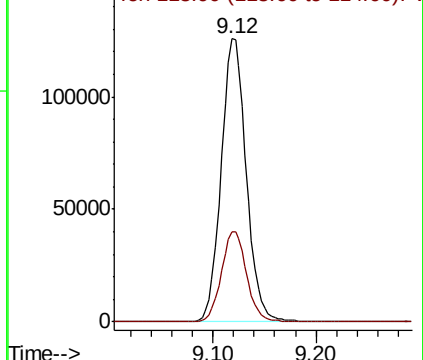
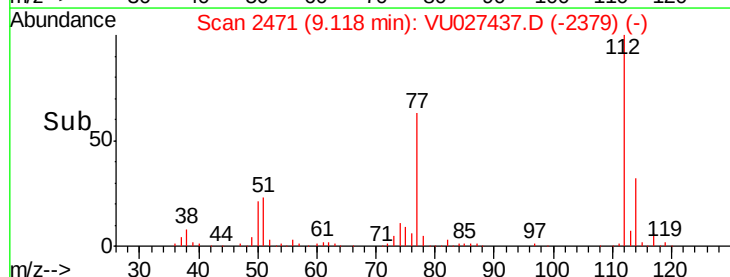
114 31.7 25.8 38.6

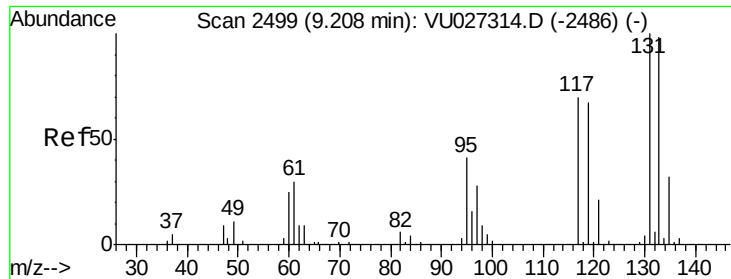


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





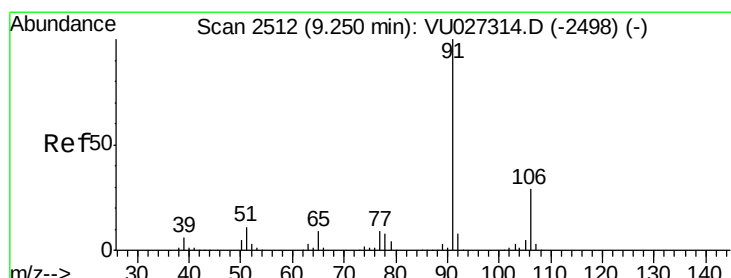
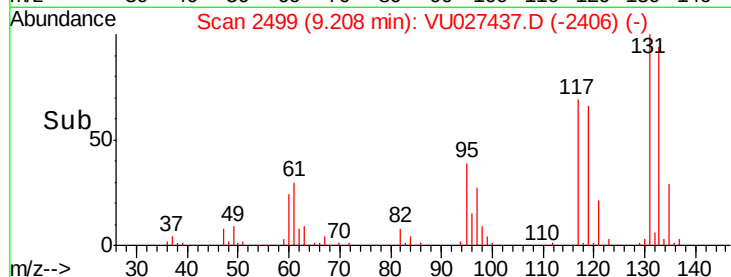
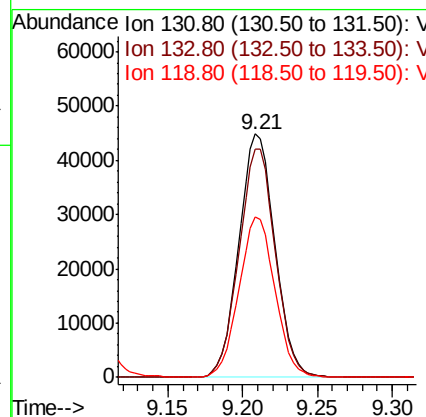
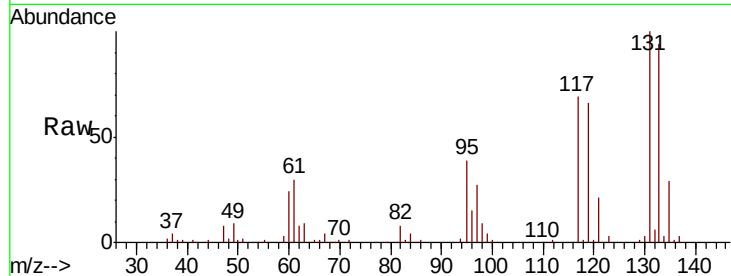
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.481 ug/l
 RT: 9.21 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.5	145.6
119	65.8	33.5	100.4

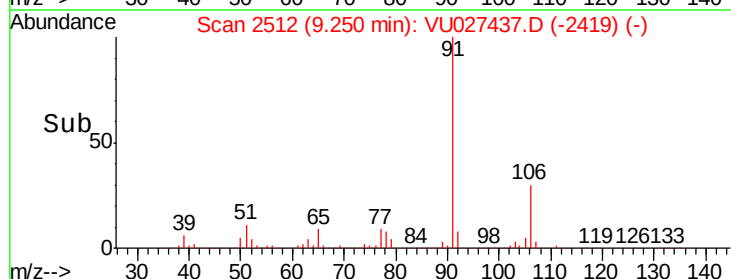
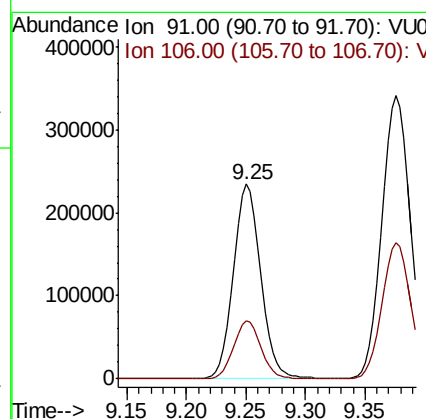
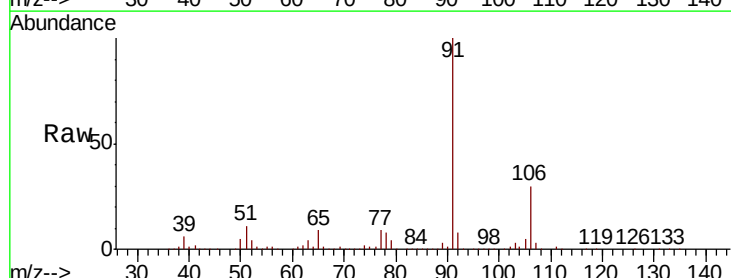
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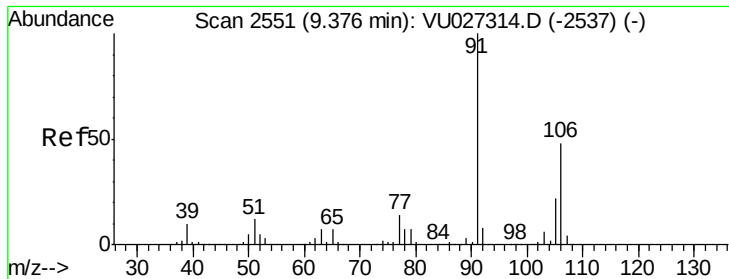
sam
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#67
 Ethyl Benzene
 Concen: 48.964 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. -0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.6	35.4





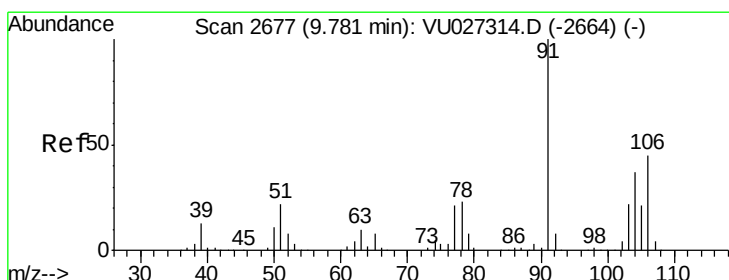
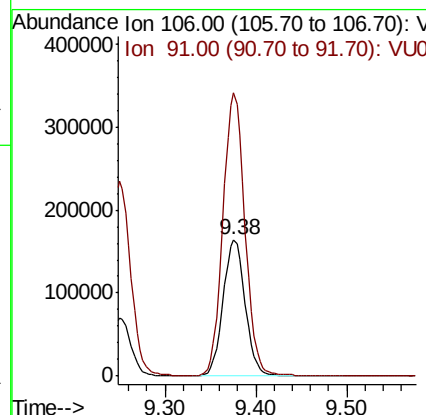
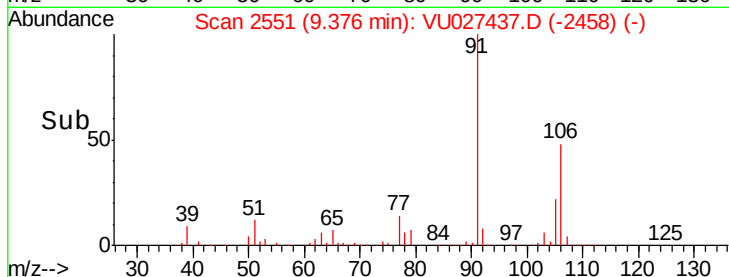
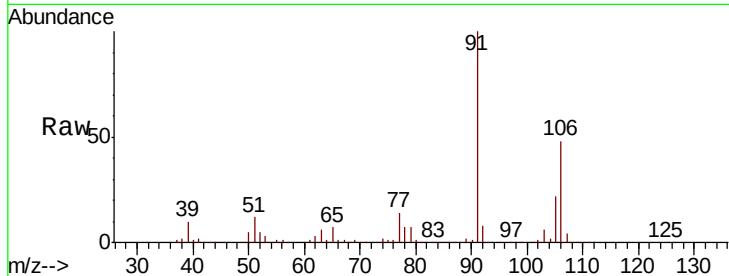
#68
m/p-Xylenes
Concen: 99.074 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MSD

Tot Ion:106 Resp: 277263
Ion Ratio Lower Upper
106 100
91 207.1 168.1 252.1

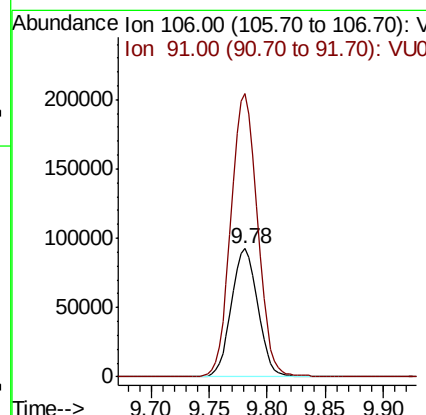
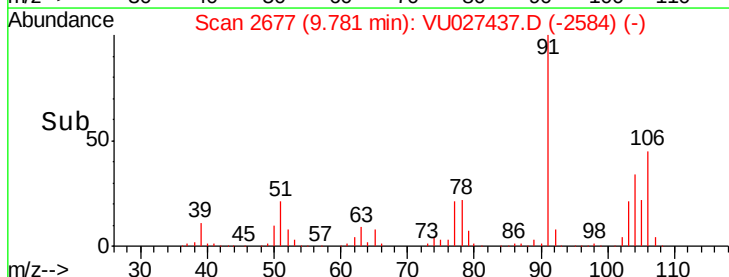
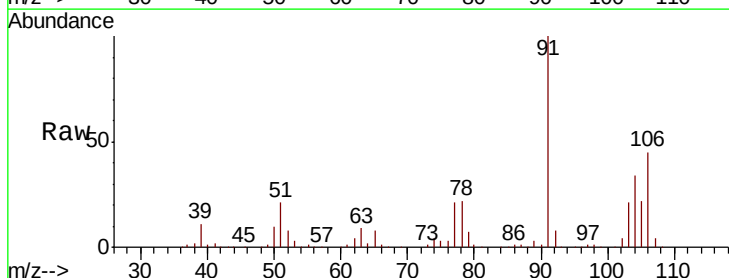
Manual Integrations
APPROVED

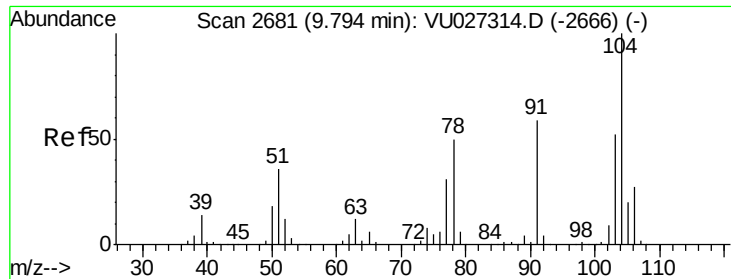
sam
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#69
o-Xylene
Concen: 54.899 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Tgt Ion:106 Resp: 146000
Ion Ratio Lower Upper
106 100
91 220.9 111.7 334.9





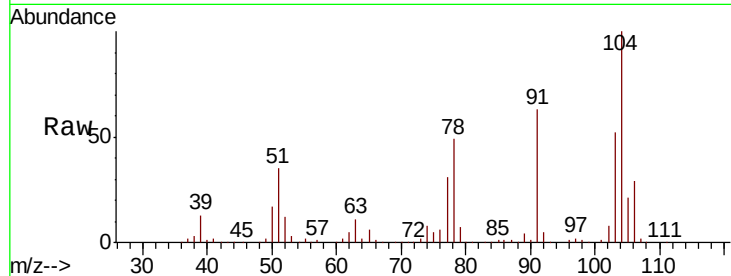
#70
Stvrene
Concen: 45.568 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	225466		
78	53.3	42.9	64.3	
103	55.4	43.9	65.9	

Manual Integrations
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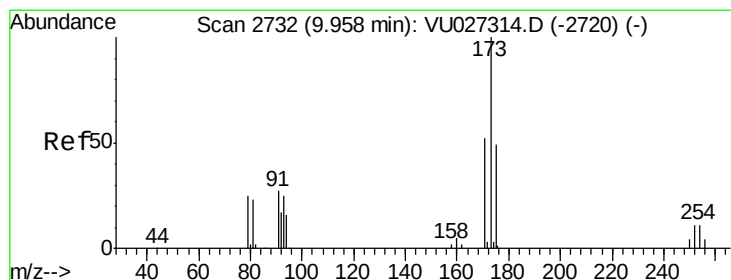
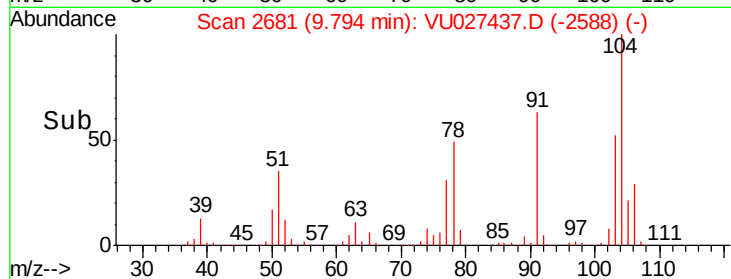
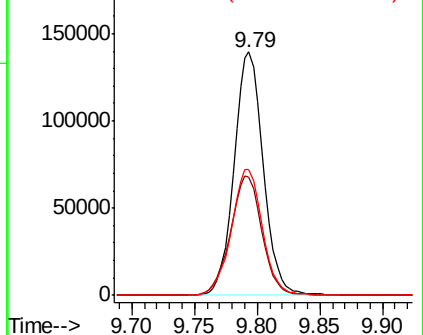


Abundance

Ion 104.00 (103.70 to 104.70): V

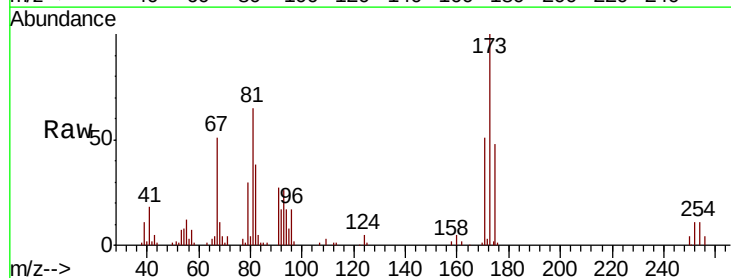
Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V



#71
Bromoform
Concen: 50.657 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	60758		
175	48.1	24.3	73.0	
254	0.0	0.0	0.0	

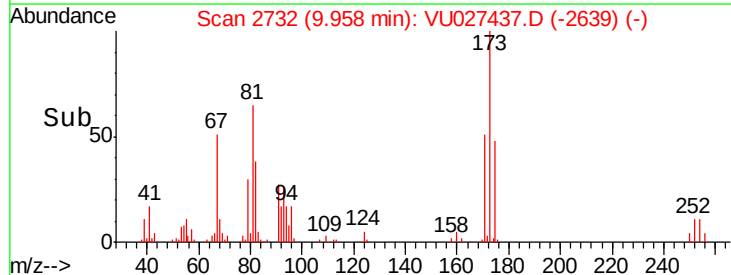
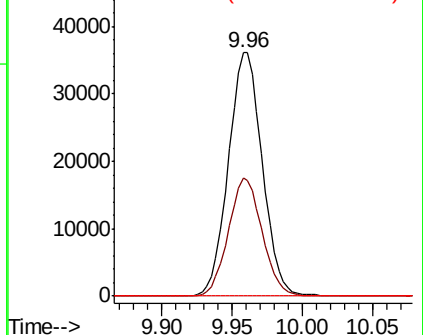


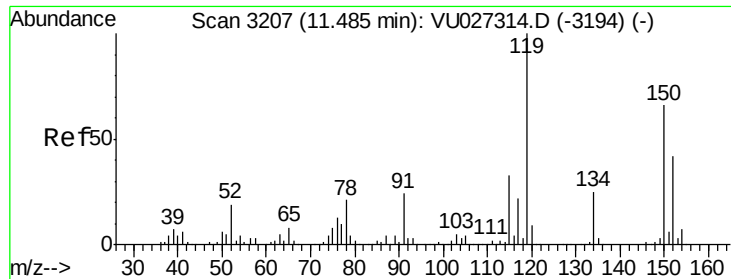
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Instrument :

MSVOA_U

ClientSampleId :

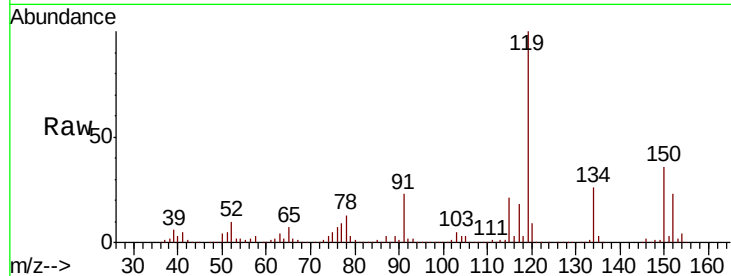
EP-MW-H-092718MSD

Tot Ion:	152	Resp:	104848
Ion Ratio	Lower	Upper	
152	100		
115	100.9	43.4	130.2
150	173.5	0.0	349.2

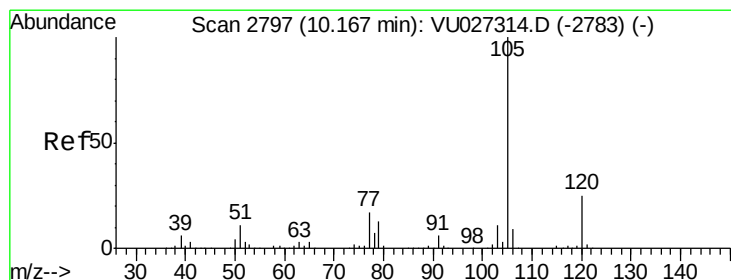
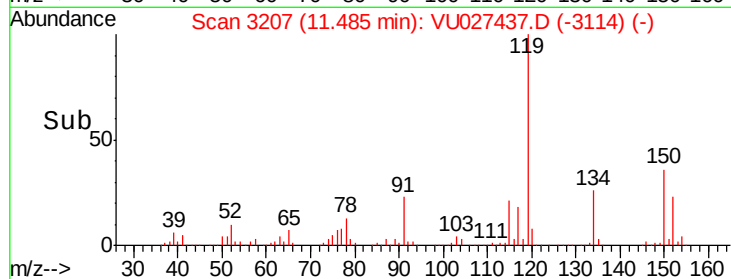
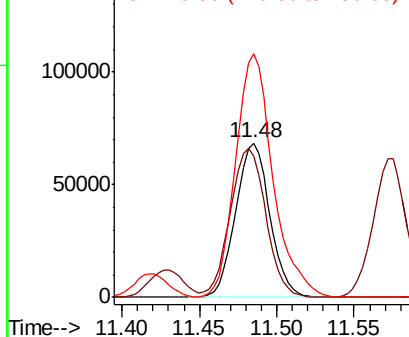
Manual Integrations
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 57.857 ug/l

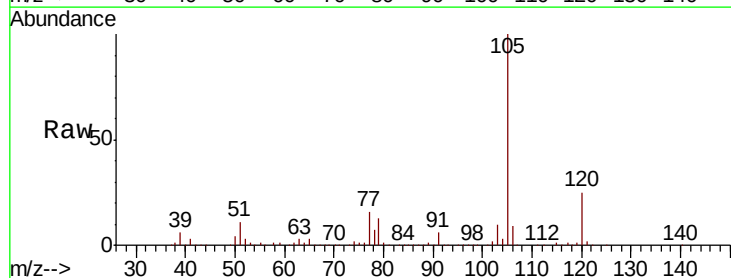
RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

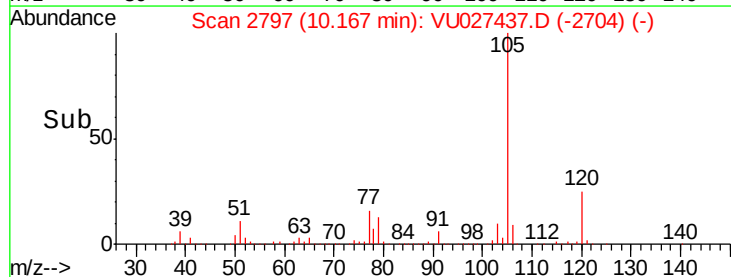
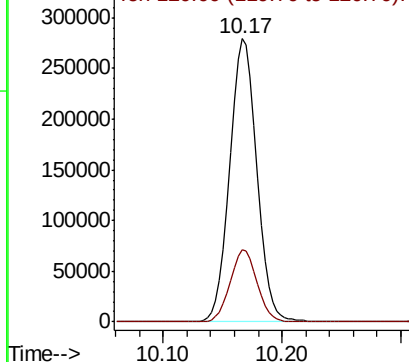
Lab File: VU027437.D

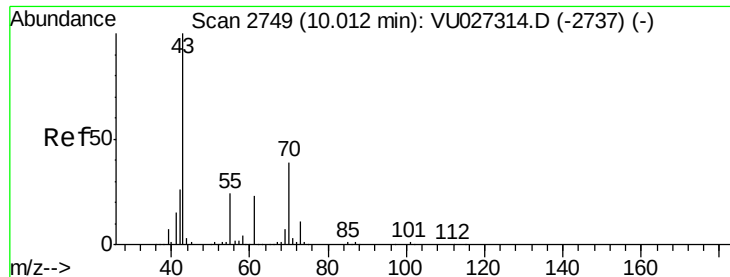
Acq: 05 Oct 2018 02:36

Tgt Ion:	105	Resp:	440581
Ion Ratio	Lower	Upper	
105	100		
120	25.3	12.6	37.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 46.389 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Instrument :

MSVOA_U

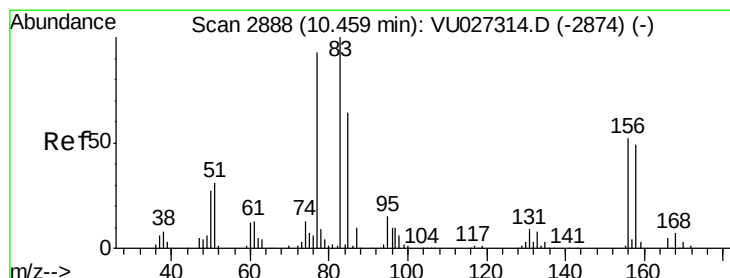
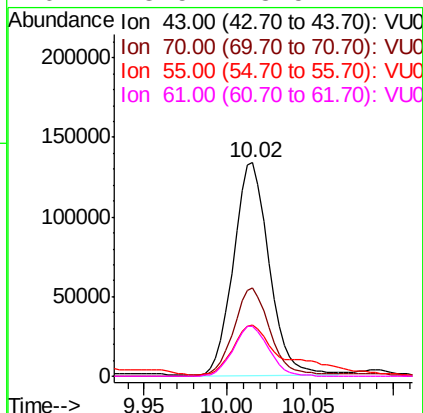
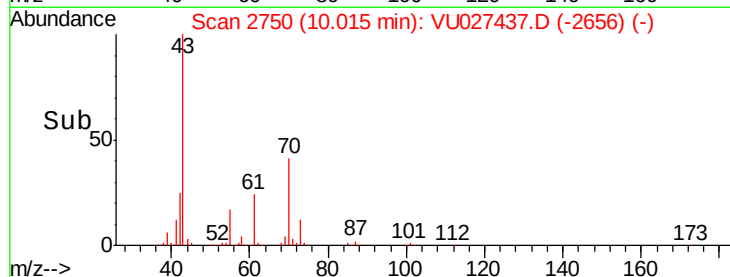
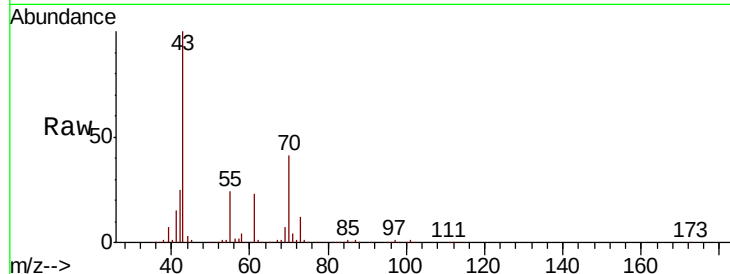
ClientSampleId :

EP-MW-H-092718MSD

Tot Ion	43	Resp	202228
Ion Ratio	Lower	Upper	
43	100		
70	41.7	31.3	46.9
55	33.2	19.0	28.6
61	23.5	18.5	27.7

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#75

1,1,2,2-Tetrachloroethane

Concen: 49.616 ug/l

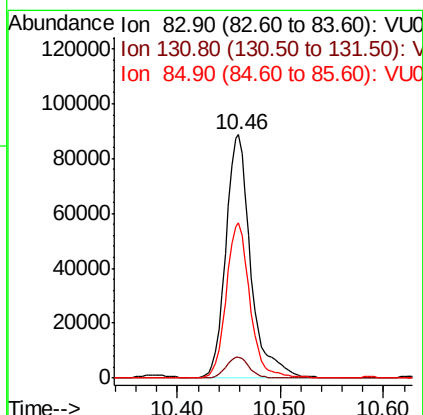
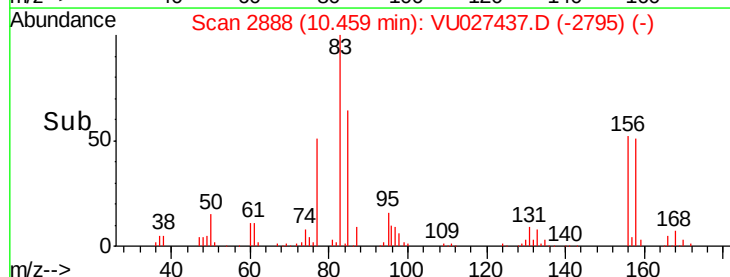
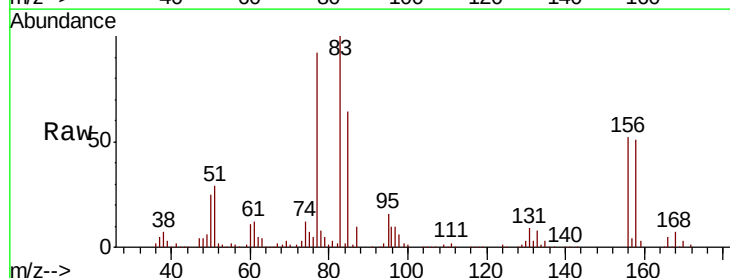
RT: 10.46 min Scan# 2888

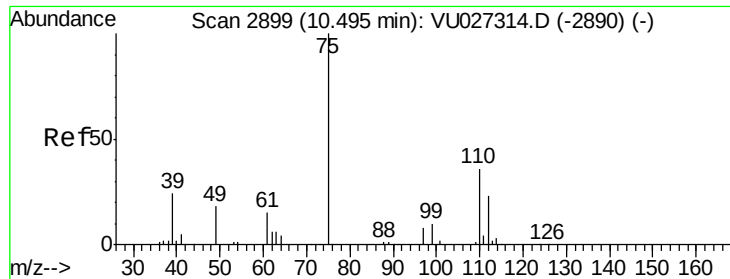
Delta R.T. -0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Tgt Ion	83	Resp	148354
Ion Ratio	Lower	Upper	
83	100		
131	8.0	4.4	13.2
85	61.4	32.0	96.0





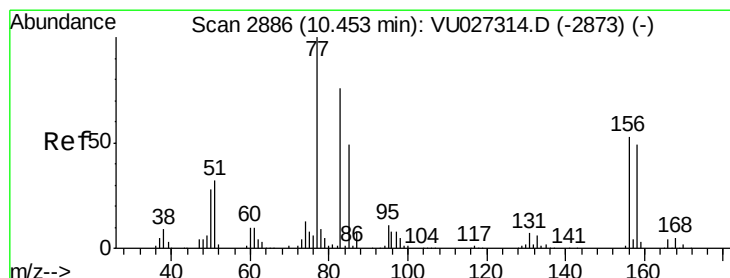
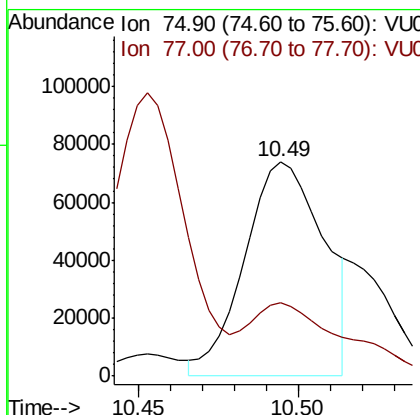
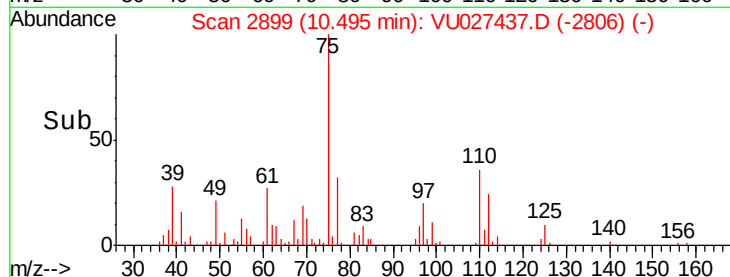
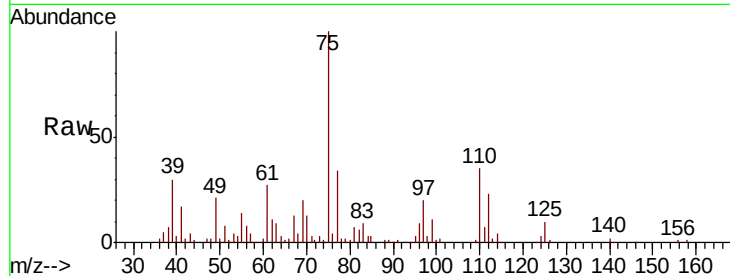
#76
 1,2,3-Trichloropropane
 Concen: 47.235 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MSD

Tot Ion: 75 Resp: 128380
 Ion Ratio Lower Upper
 75 100
 77 38.8 20.3 60.9

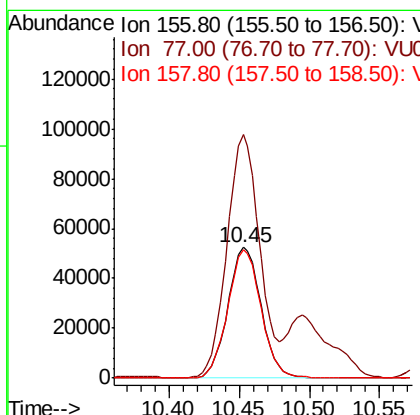
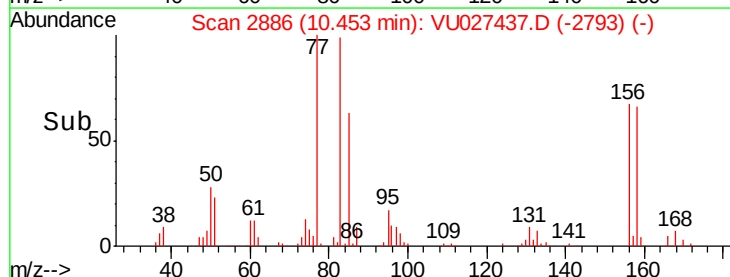
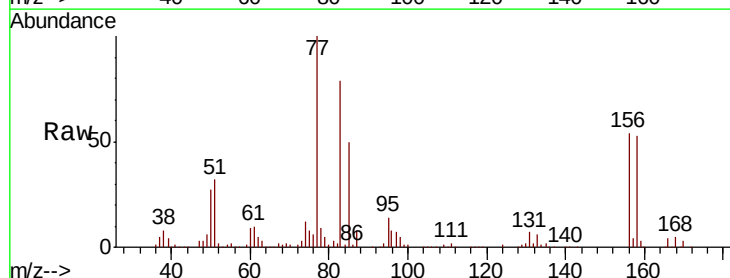
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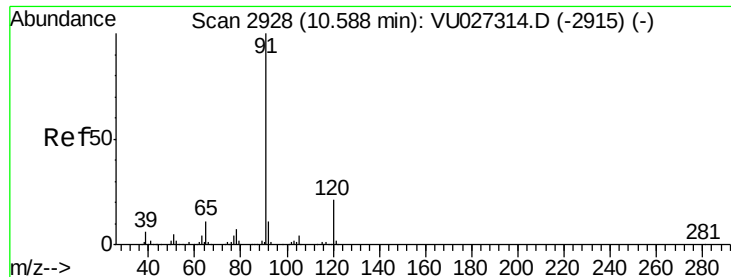
sam
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#77
 Bromobenzene
 Concen: 48.870 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. -0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Tgt Ion: 156 Resp: 86487
 Ion Ratio Lower Upper
 156 100
 77 183.0 94.8 284.4
 158 98.5 47.4 142.3





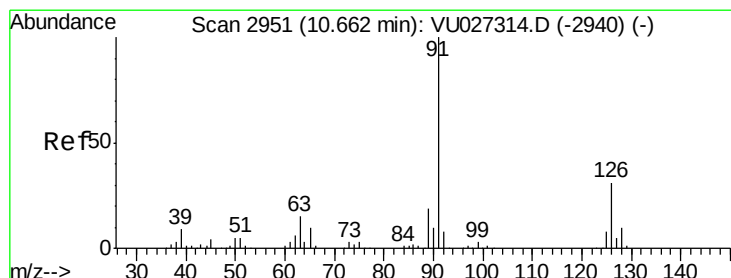
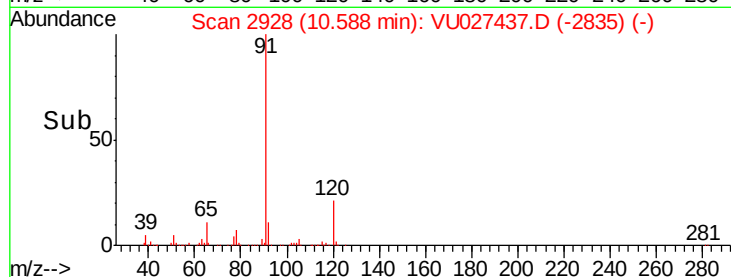
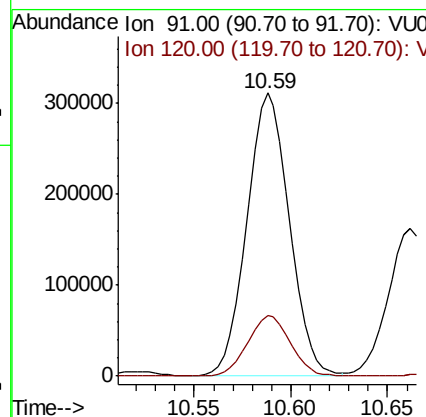
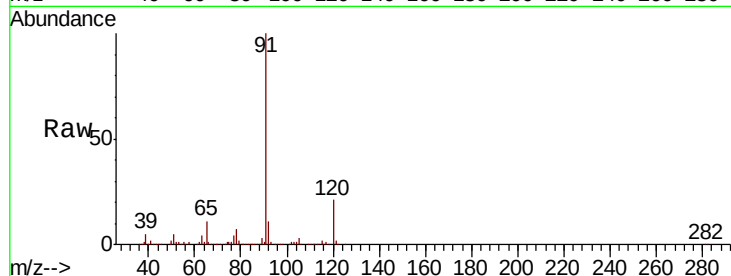
#78
n-propylbenzene
Concen: 51.789 ug/l
RT: 10.59 min Scan# 2928
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MSD

Tot Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.6	31.8

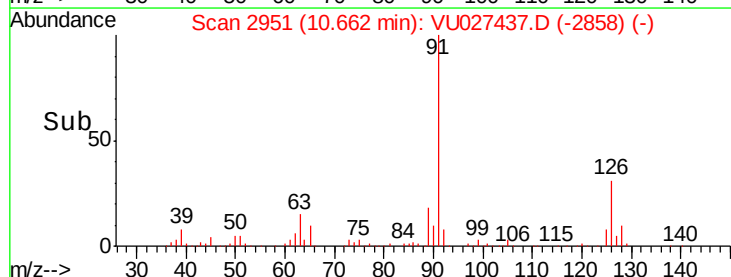
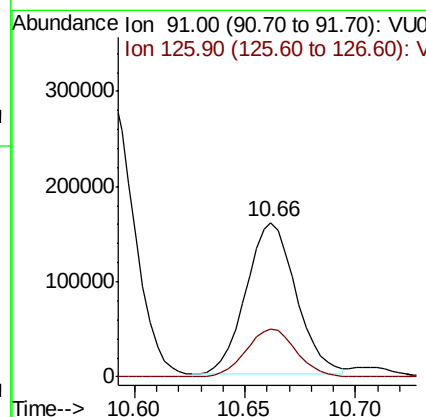
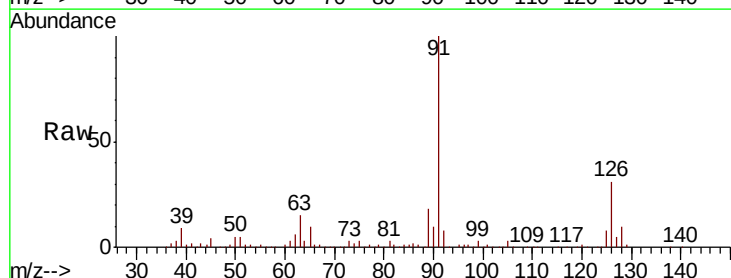
Manual Integrations
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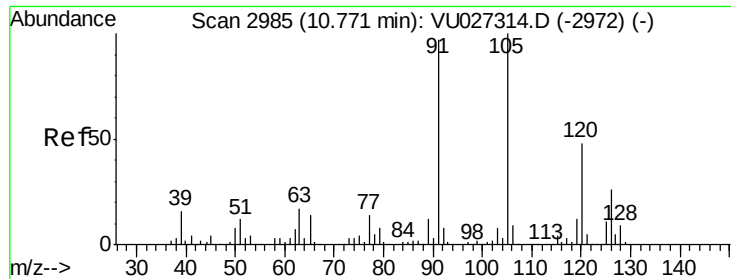
sam
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#79
2-Chlorotoluene
Concen: 45.304 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.1





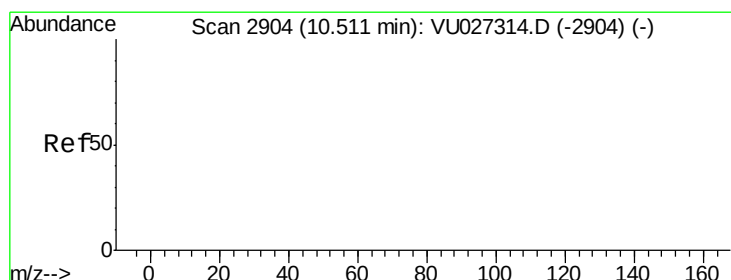
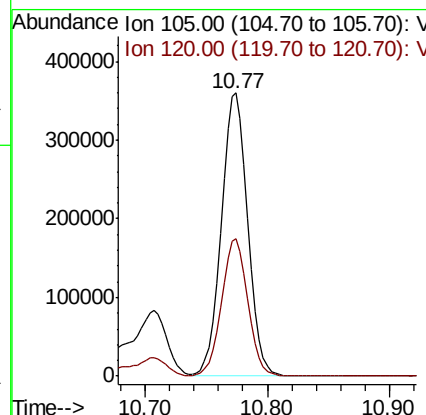
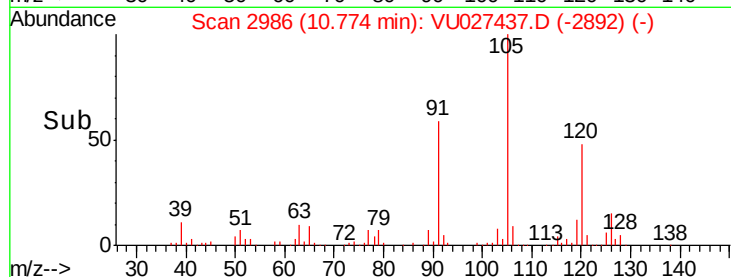
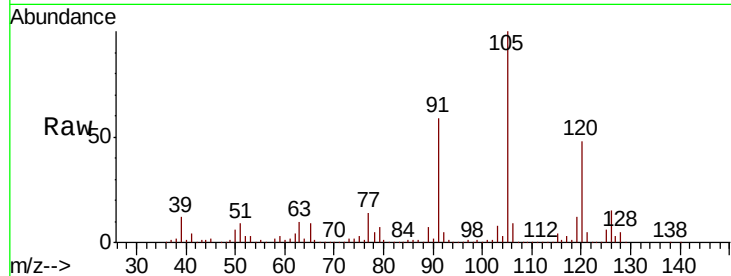
#80
 1,3,5-Trimethylbenzene
 Concen: 87.954 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MSD

Tot Ion:105 Resp: 545289
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.1 72.4

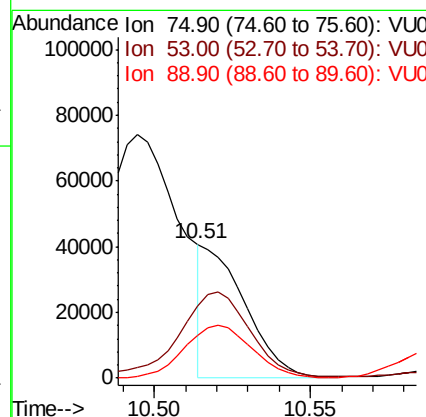
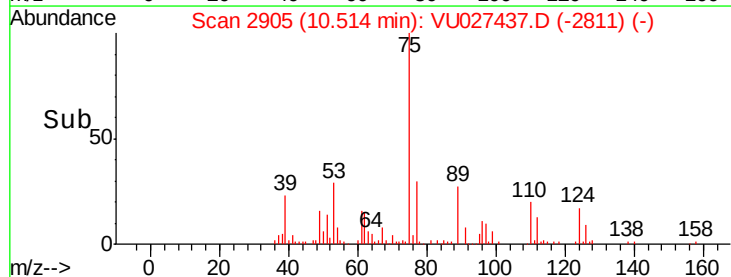
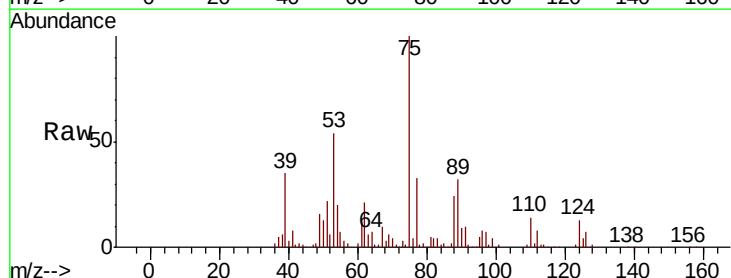
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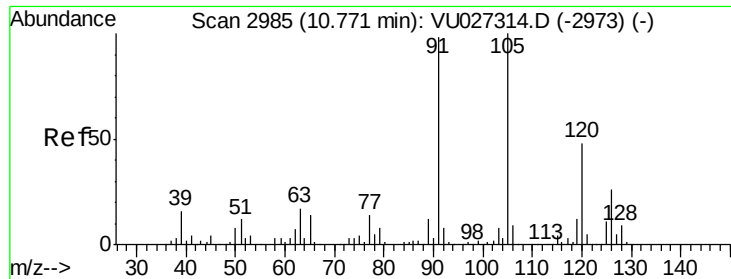
sam
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 36.364 ug/l m
 RT: 10.51 min Scan# 2905
 Delta R.T. 0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Tgt Ion: 75 Resp: 37765
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 52.749 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Instrument :

MSVOA_U

ClientSampleId :

EP-MW-H-092718MSD

Tot Ion: 91 Resp: 330718

Ion Ratio Lower Upper

91 100

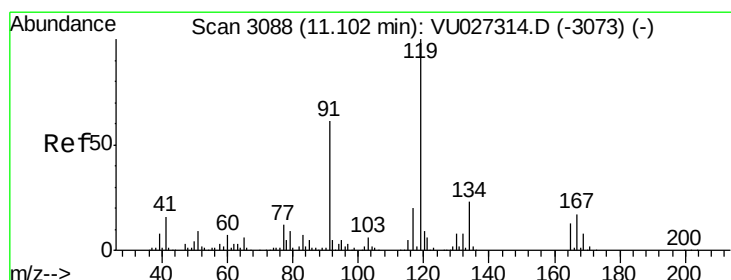
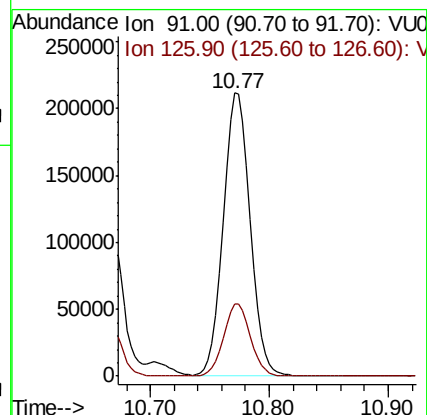
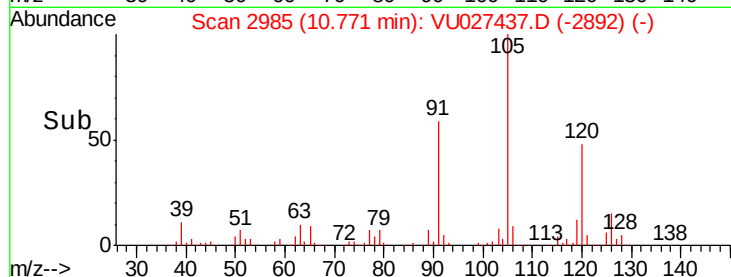
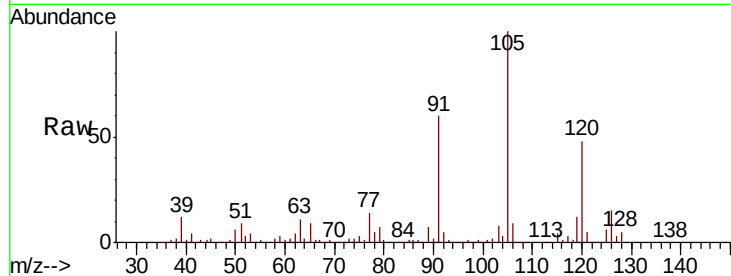
126 25.7 13.6 40.8

Manual Integrations

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#83

tert-Butylbenzene

Concen: 59.749 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

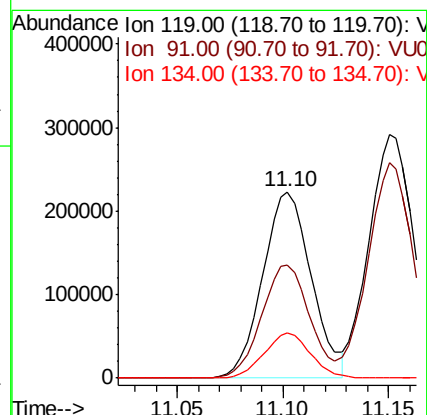
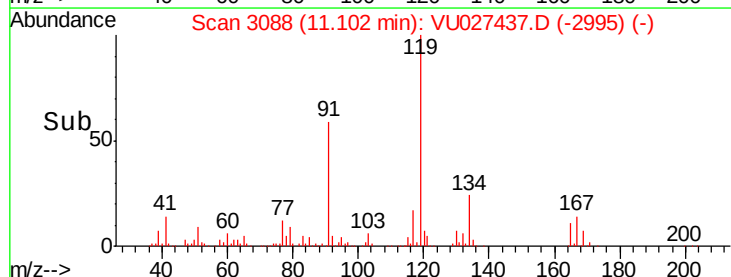
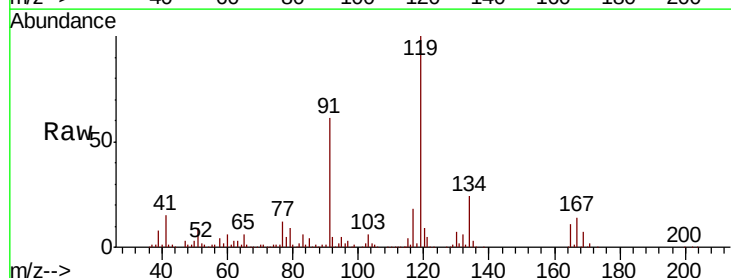
Tgt Ion: 119 Resp: 358105

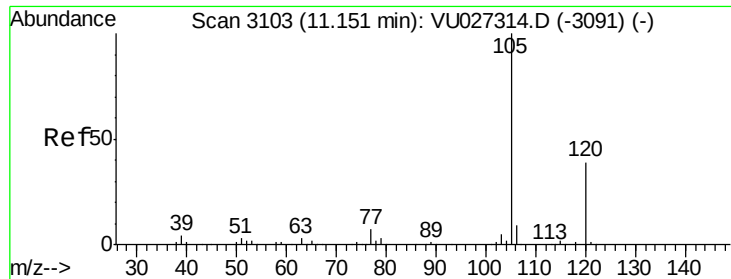
Ion Ratio Lower Upper

119 100

91 59.8 30.3 91.0

134 23.3 11.5 34.4





#84

1,2,4-Trimethylbenzene

Concen: 578.722 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. -0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Instrument :

MSVOA_U

ClientSampleId :

EP-MW-H-092718MSD

Tot Ion:105 Resp: 3665037

Ion Ratio Lower Upper

105 100

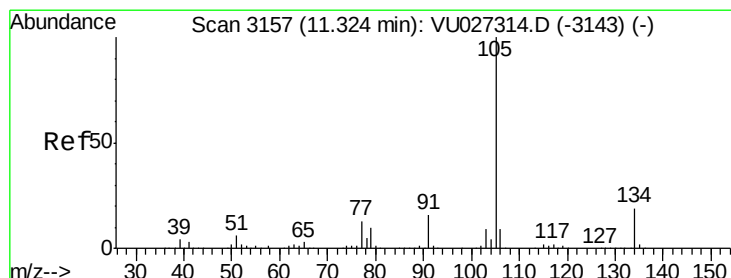
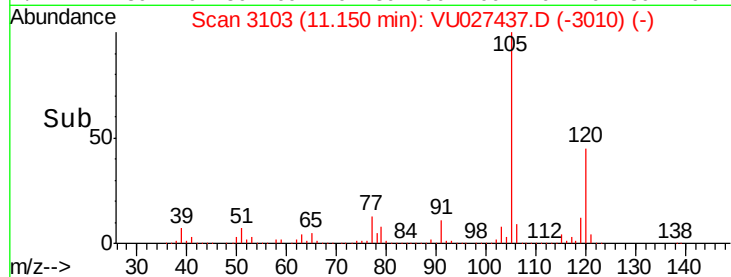
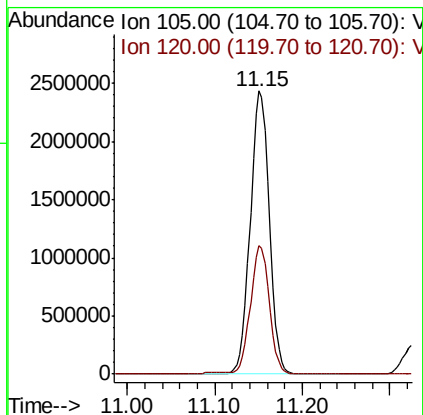
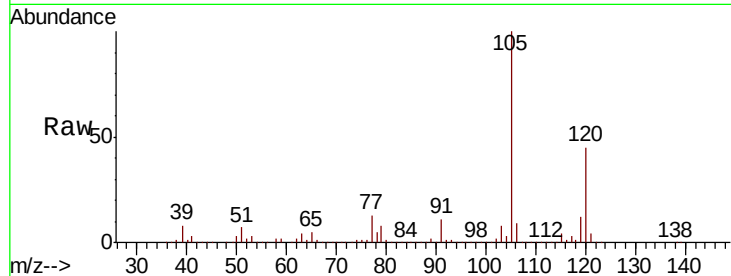
120 45.0 22.1 66.5

Manual Integrations

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#85

sec-Butylbenzene

Concen: 50.052 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027437.D

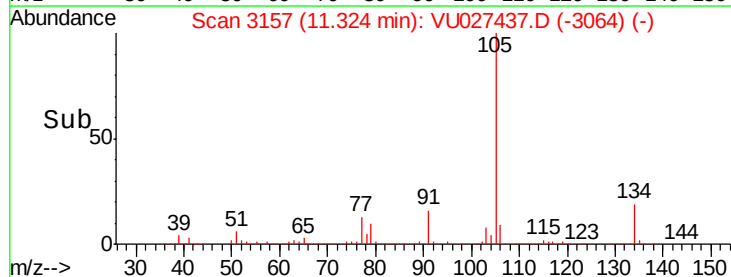
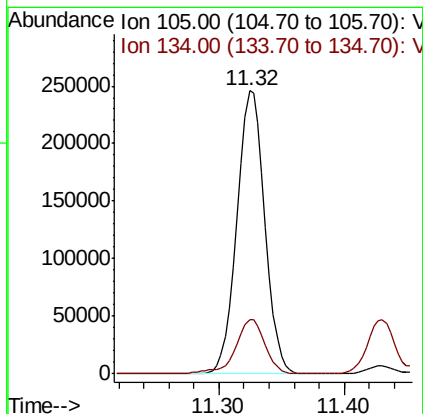
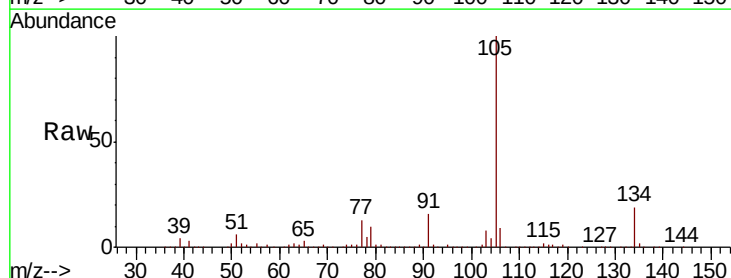
Acq: 05 Oct 2018 02:36

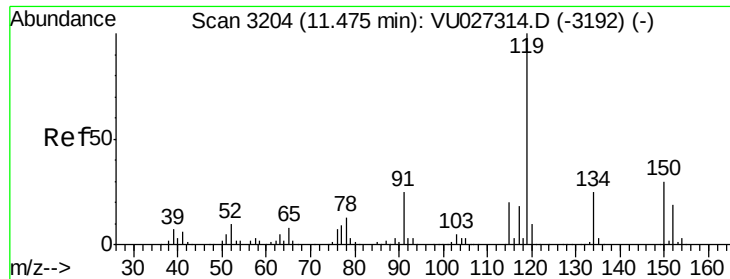
Tgt Ion:105 Resp: 377978

Ion Ratio Lower Upper

105 100

134 20.4 9.6 28.6





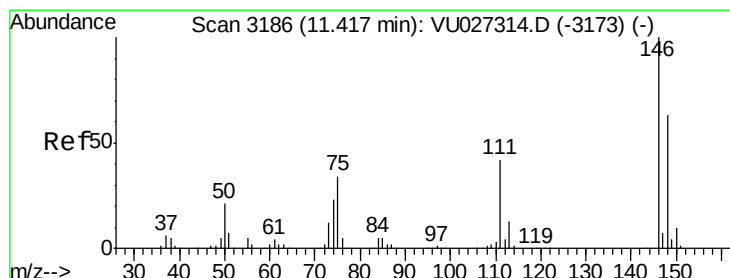
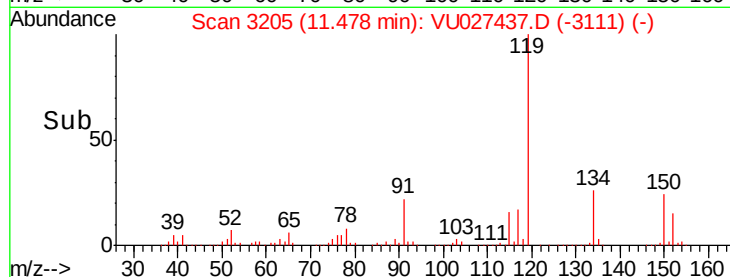
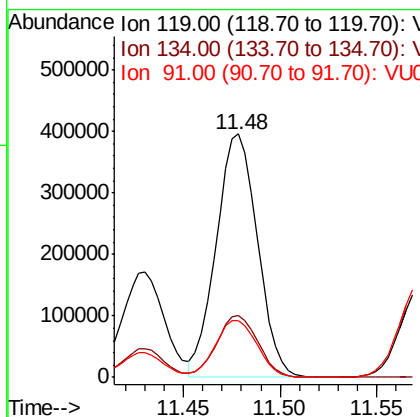
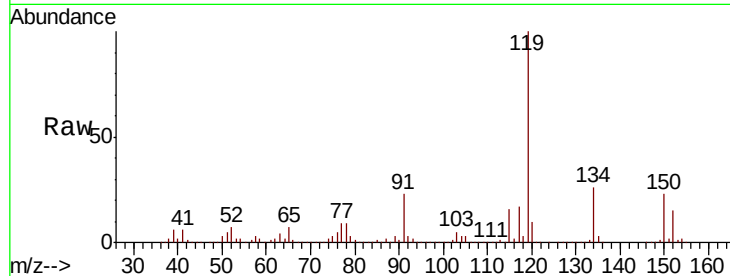
#86
 p-Isopropyltoluene
 Concen: 90.986 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.7	38.1
91	23.7	12.2	36.4

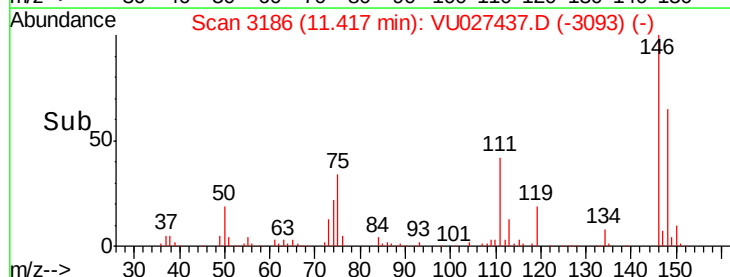
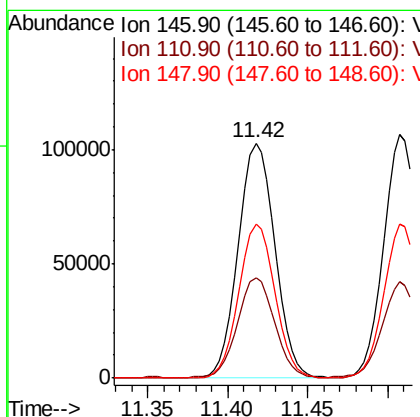
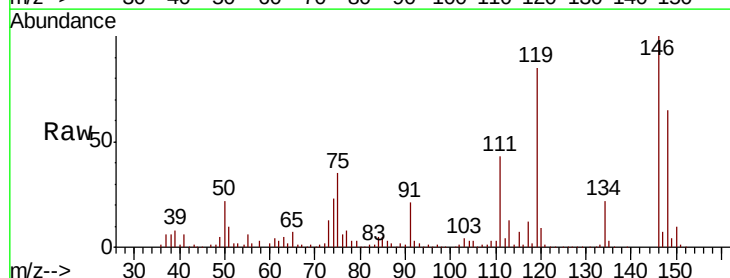
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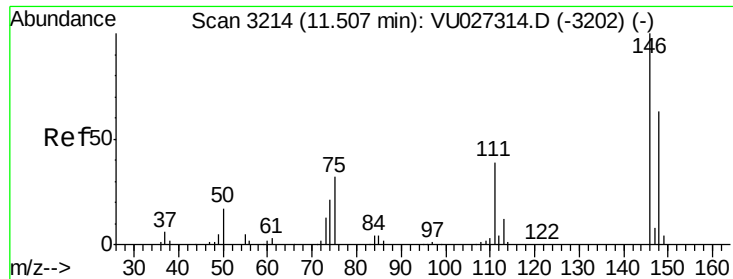
sam
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#87
 1,3-Dichlorobenzene
 Concen: 48.094 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.8	62.5
148	64.5	31.6	94.8





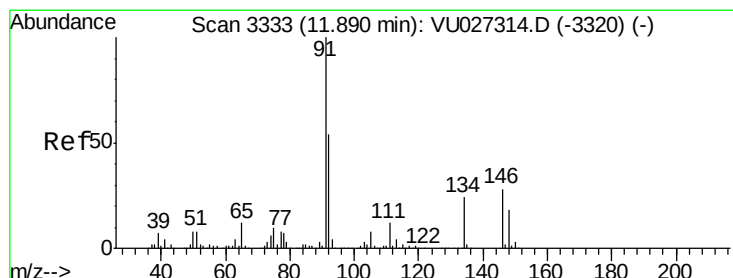
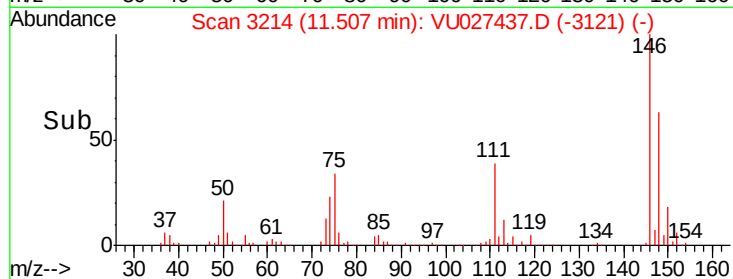
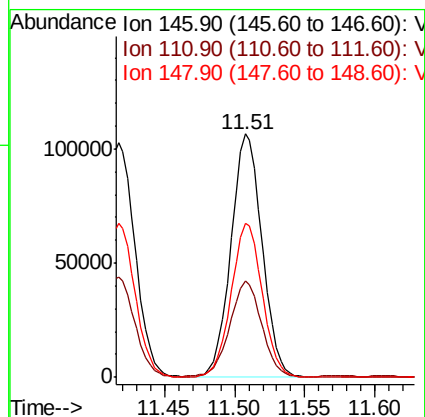
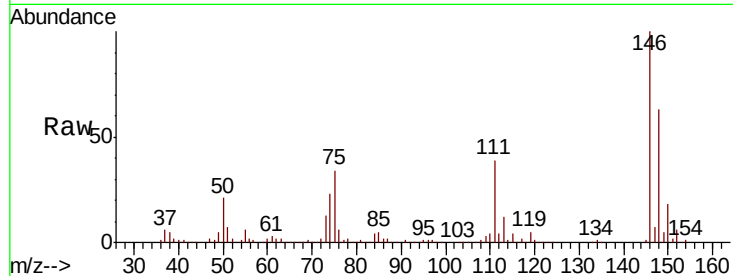
#88
 1,4-Dichlorobenzene
 Concen: 48.114 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.2
148	63.2	31.9	95.5

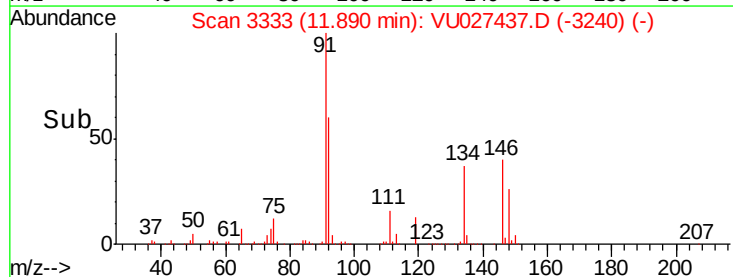
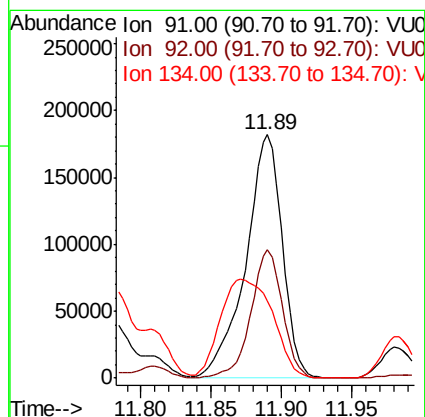
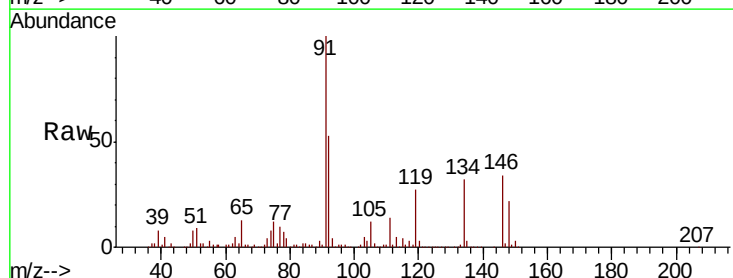
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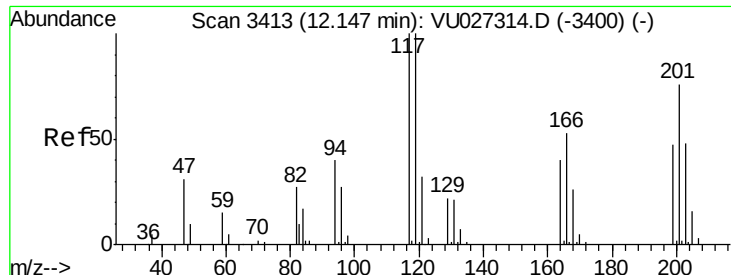
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#89
 n-Butylbenzene
 Concen: 48.118 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	45.8	27.0	81.0
134	58.1	11.7	35.1#





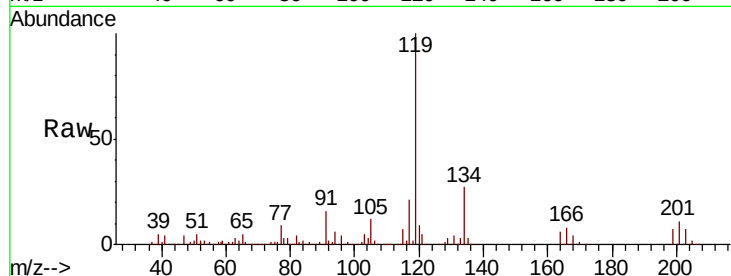
#90
Hexachloroethane
Concen: 70.968 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Instrument :
MSVOA_U
ClientSampleId :
EP-MW-H-092718MSD

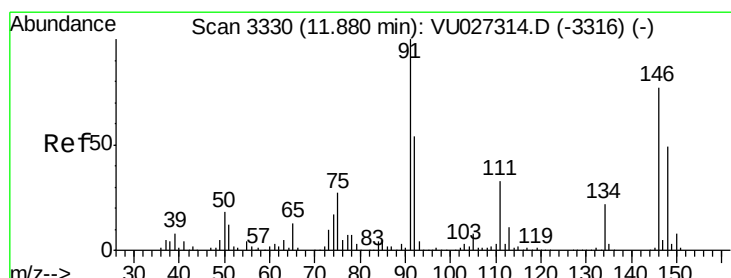
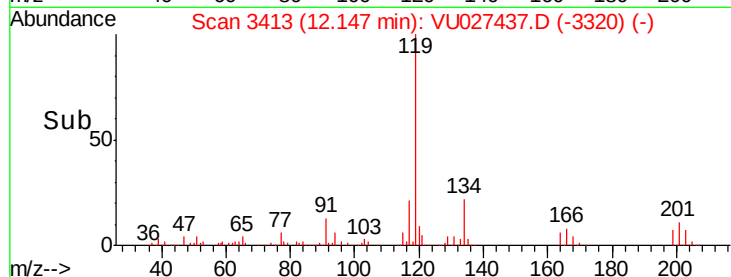
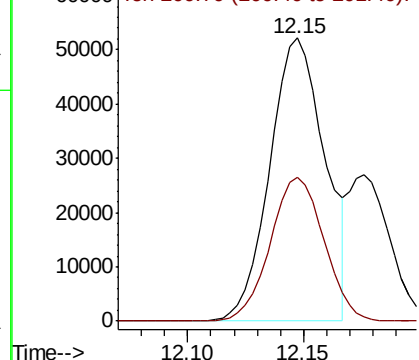
Tot Ion:117 Resp: 86492
Ion Ratio Lower Upper
117 100
201 49.4 37.9 113.6

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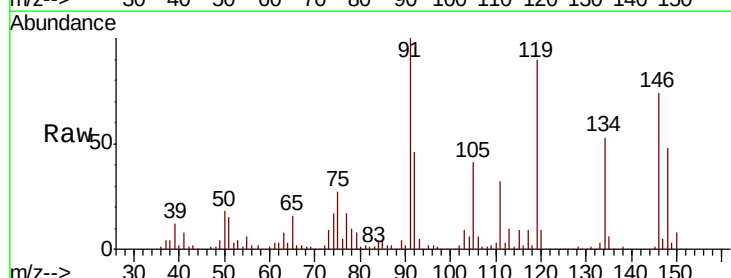


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

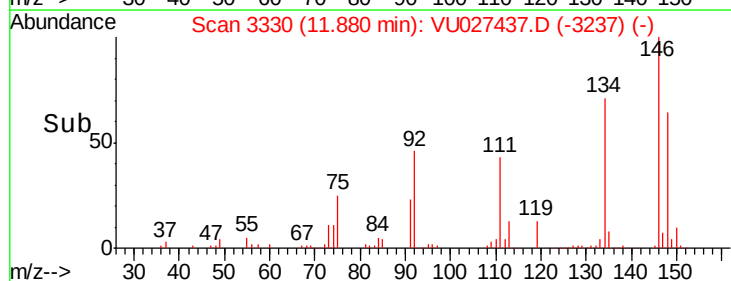
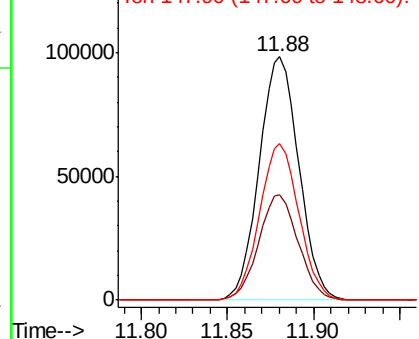


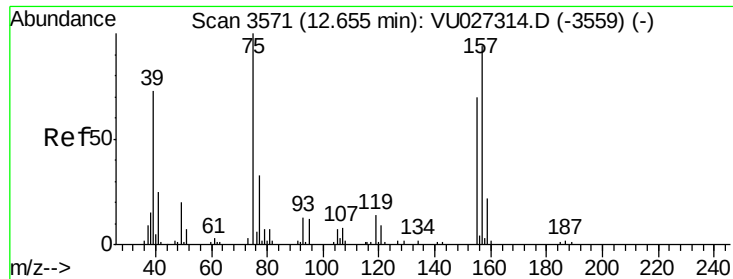
#91
1,2-Dichlorobenzene
Concen: 48.062 ug/l m
RT: 11.88 min Scan# 3330
Delta R.T. -0.00 min
Lab File: VU027437.D
Acq: 05 Oct 2018 02:36

Tgt Ion:146 Resp: 156775
Ion Ratio Lower Upper
146 100
111 0.0 21.8 65.4#
148 0.0 31.9 95.5#



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 51.810 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Instrument :

MSVOA_U

ClientSampleId :

EP-MW-H-092718MSD

Tot Ion: 75 Resp: 34333

Ion Ratio Lower Upper

75 100

155 75.3 35.9 107.8

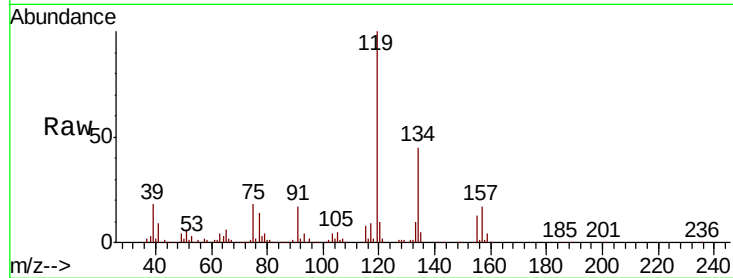
157 97.7 46.9 140.6

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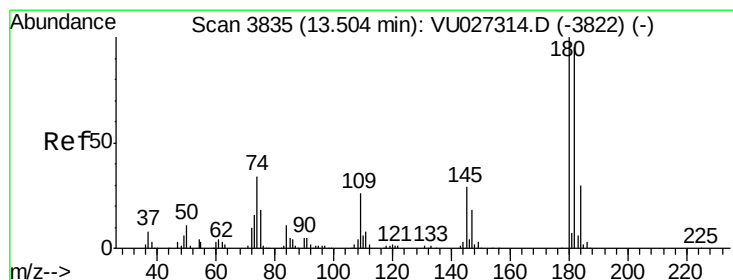
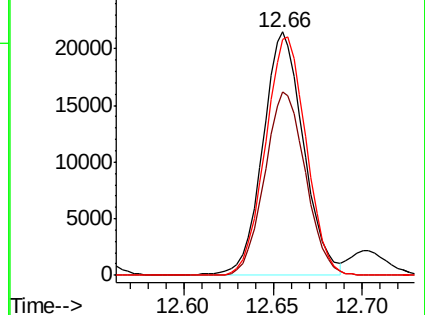
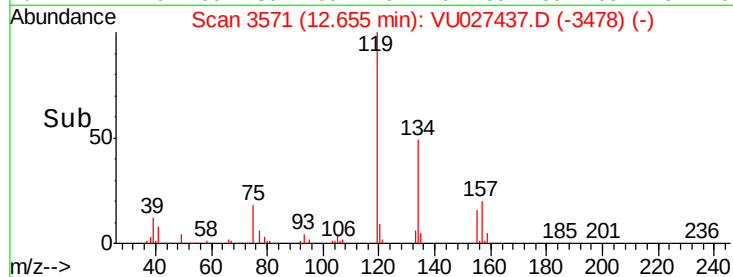
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Abundance Ion 74.90 (74.60 to 75.60): VU027437.D (-3478) (-)

Ion 154.80 (154.50 to 155.50): VU027437.D (-3478) (-)

Ion 156.80 (156.50 to 157.50): VU027437.D (-3478) (-)



#93

1,2,4-Trichlorobenzene

Concen: 57.568 ug/l

RT: 13.50 min Scan# 3835

Delta R.T. -0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

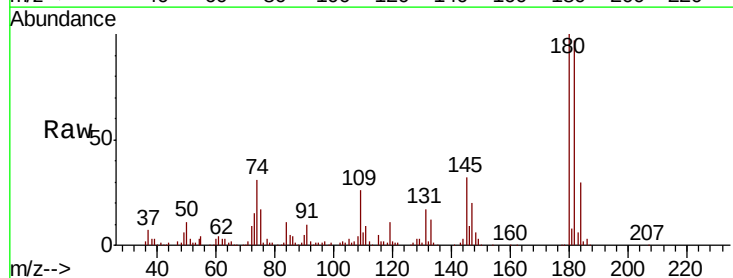
Tgt Ion: 180 Resp: 121506

Ion Ratio Lower Upper

180 100

182 96.2 47.4 142.3

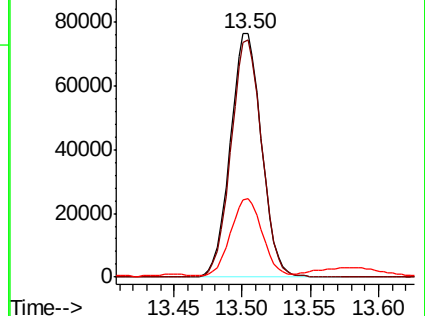
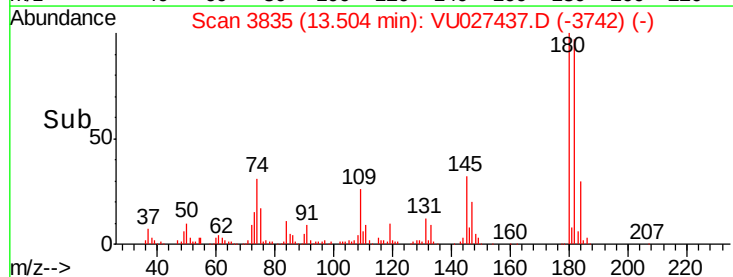
145 32.5 14.6 44.0

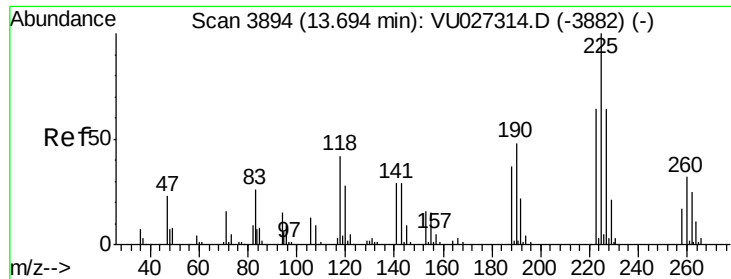


Abundance Ion 179.80 (179.50 to 180.50): VU027437.D (-3742) (-)

Ion 181.80 (181.50 to 182.50): VU027437.D (-3742) (-)

Ion 144.80 (144.50 to 145.50): VU027437.D (-3742) (-)





#94

Hexachlorobutadiene

Concen: 48.289 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. -0.00 min

Lab File: VU027437.D

Acq: 05 Oct 2018 02:36

Instrument :

MSVOA_U

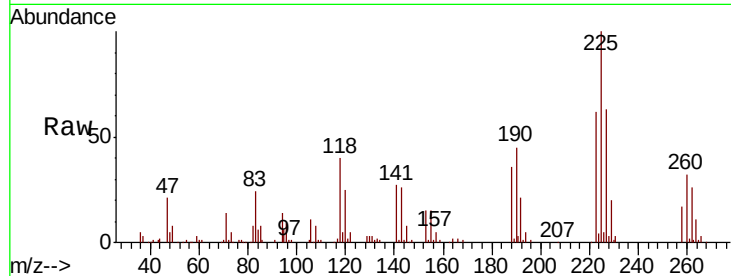
ClientSampleId :

EP-MW-H-092718MSD

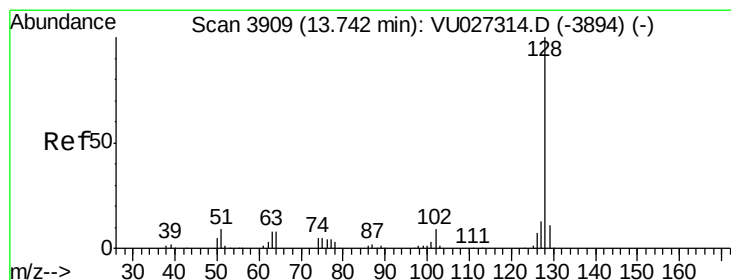
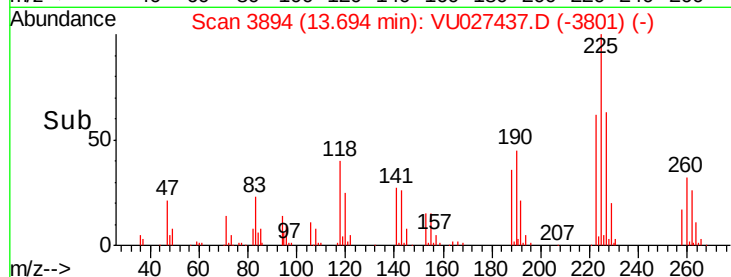
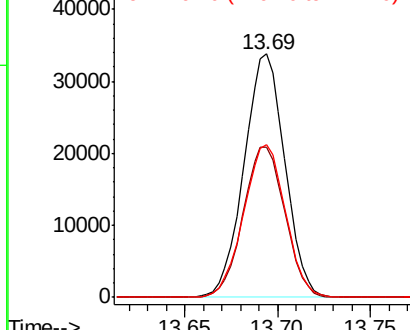
Tot Ion:	225	Resp:	51495
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.8	95.3
227	64.3	31.9	95.7

Manual Integrations
APPROVED

sam
10/9/2018 6:05:15 PM



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: 21.419 ug/l

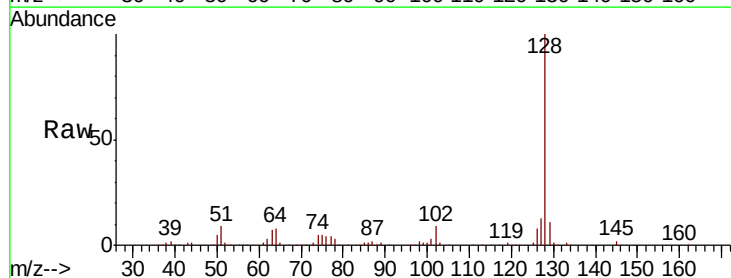
RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

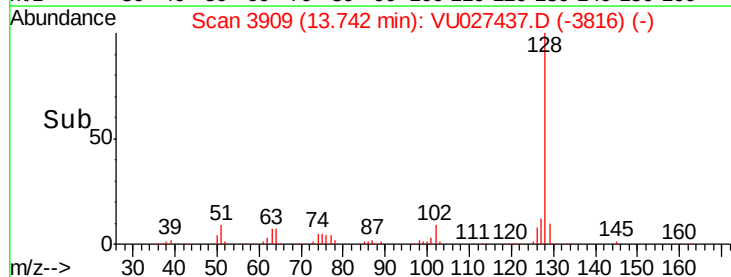
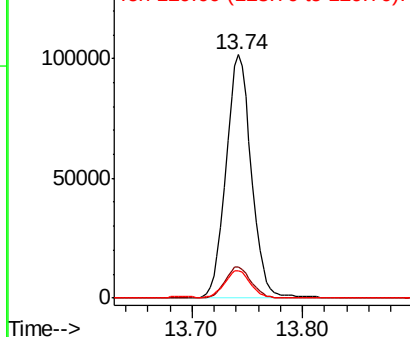
Lab File: VU027437.D

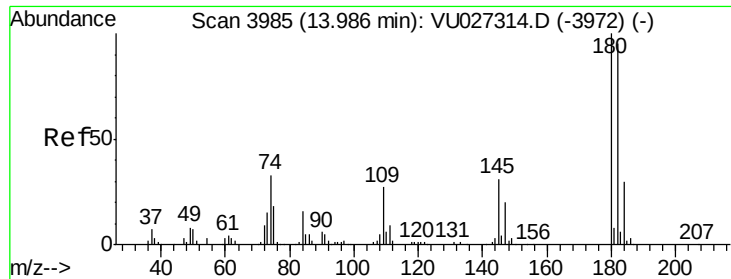
Acq: 05 Oct 2018 02:36

Tgt Ion:	128	Resp:	162003
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	11.0	8.6	12.8



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: 55.119 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. -0.00 min
 Lab File: VU027437.D
 Acq: 05 Oct 2018 02:36

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-MW-H-092718MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.9	47.4	142.2
145	33.2	15.9	47.7

Manual Integrations
 APPROVED

sam
 10/9/2018 6:05:15 PM

