

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011219\
 Data File : VU029150.D
 Acq On : 11 Jan 2019 18:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/14/2019 10:59:11 AM

Quant Time: Jan 12 00:15:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	170475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	281884	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	270450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	137275	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	110037	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
35) Dibromofluoromethane	4.88	113	91248	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	7.56	98	358077	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	10.30	95	126460	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	83853	49.599	ug/l	99
3) Chloromethane	1.33	50	128854	47.720	ug/l	99
4) Vinyl Chloride	1.40	62	126078	50.605	ug/l	99
5) Bromomethane	1.61	94	63511	49.557	ug/l	97
6) Chloroethane	1.69	64	72662	48.964	ug/l	98
7) Trichlorofluoromethane	1.88	101	136985	50.459	ug/l	99
8) Diethyl Ether	2.10	74	65457	50.187	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	90032	49.564	ug/l	99
10) Methyl Iodide	2.40	142	86388	50.579	ug/l	99
11) Tert butyl alcohol	2.83	59	141672	264.476	ug/l	99
12) 1,1-Dichloroethene	2.28	96	88782	50.214	ug/l	97
13) Acrolein	2.19	56	130522	324.495	ug/l	97
14) Allyl chloride	2.59	41	155954	48.073	ug/l	90
15) Acrylonitrile	2.93	53	361532	275.100	ug/l	99
16) Acetone	2.32	43	303171	228.363	ug/l	98
17) Carbon Disulfide	2.47	76	275413	47.007	ug/l	99
18) Methyl Acetate	2.61	43	179730	58.224	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	325572	52.376	ug/l	99
20) Methylene Chloride	2.70	84	110384	48.972	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	100397	48.875	ug/l	95
22) Diisopropyl ether	3.57	45	349415	54.498	ug/l	100
23) Vinyl Acetate	3.52	43	1436062	273.980	ug/l	100
24) 1,1-Dichloroethane	3.44	63	196285	53.032	ug/l	100
25) 2-Butanone	4.26	43	491069	273.867	ug/l	100
26) 2,2-Dichloropropane	4.22	77	154117	51.532	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	119285	53.094	ug/l	99
28) Bromochloromethane	4.55	49	87094	54.954	ug/l	96
29) Tetrahydrofuran	4.64	42	312139	287.014	ug/l	97
30) Chloroform	4.67	83	187921	53.306	ug/l	99
31) Cyclohexane	4.99	56	179627	51.444	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	152193	52.248	ug/l	97
36) 1,1-Dichloropropene	5.13	75	139362	49.462	ug/l	99
37) Ethyl Acetate	4.38	43	169362	54.761	ug/l	99
38) Carbon Tetrachloride	5.13	117	125458	53.387	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	171514	49.516	ug/l	100
40) Benzene	5.39	78	450444	51.252	ug/l	100
41) Methacrylonitrile	4.54	41	96339	58.194	ug/l	96
42) 1,2-Dichloroethane	5.40	62	144189	54.598	ug/l	99
43) Isopropyl Acetate	5.55	43	264880	55.832	ug/l	99
44) Trichloroethene	6.18	130	108310	49.738	ug/l	97
45) 1,2-Dichloropropane	6.43	63	123487	53.206	ug/l	100
46) Dibromomethane	6.56	93	77236	52.057	ug/l	97
47) Bromodichloromethane	6.76	83	146422	53.601	ug/l	99
48) Methyl methacrylate	6.62	41	133617	57.841	ug/l	99
49) 1,4-Dioxane	6.61	88	58154	1062.262	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	910724	282.070	ug/l	99
52) Toluene	7.63	92	273935	51.200	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	166999	50.891	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	184494	52.031	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	116204	54.214	ug/l	98
56) Ethyl methacrylate	8.02	69	176692	53.508	ug/l	97
57) 1,3-Dichloropropane	8.24	76	197738	53.914	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	384712	264.910	ug/l	99
59) 2-Hexanone	8.36	43	701491	276.785	ug/l	99
60) Dibromochloromethane	8.48	129	109097	51.376	ug/l	96
61) 1,2-Dibromoethane	8.58	107	121231	52.150	ug/l	99
64) Tetrachloroethene	8.22	164	98212	50.412	ug/l	98
65) Chlorobenzene	9.12	112	295711	48.779	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	101244	51.463	ug/l	100
67) Ethyl Benzene	9.25	91	516957	51.076	ug/l	100
68) m/p-Xylenes	9.37	106	395489	100.567	ug/l	99
69) o-Xylene	9.78	106	191637	50.574	ug/l	99
70) Styrene	9.79	104	324648	52.263	ug/l	99
71) Bromoform	9.96	173	89065	50.844	ug/l #	99
73) Isopropylbenzene	10.16	105	509332	50.127	ug/l	100
74) N-amyl acetate	10.01	43	229071	52.318	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	202880	49.820	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	175566m	52.198	ug/l	
77) Bromobenzene	10.45	156	128584	48.561	ug/l	98
78) n-propylbenzene	10.58	91	610335	50.971	ug/l	99
79) 2-Chlorotoluene	10.66	91	357824	49.262	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	427323	50.362	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	55982m	42.926	ug/l	
82) 4-Chlorotoluene	10.77	91	410893	49.332	ug/l	99
83) tert-Butylbenzene	11.10	119	414116	49.517	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	438968	51.817	ug/l	98
85) sec-Butylbenzene	11.32	105	522195	51.629	ug/l	99
86) p-Isopropyltoluene	11.47	119	442226	51.311	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	234087	48.198	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	236483	47.171	ug/l	98
89) n-Butylbenzene	11.89	91	418218	54.368	ug/l	99
90) Hexachloroethane	12.14	117	70132	48.371	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	234071	47.848	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	42241	53.931	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	157615	50.473	ug/l	99
94) Hexachlorobutadiene	13.69	225	73579	51.514	ug/l	99
95) Naphthalene	13.74	128	530284	49.919	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	161515	50.238	ug/l	100

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

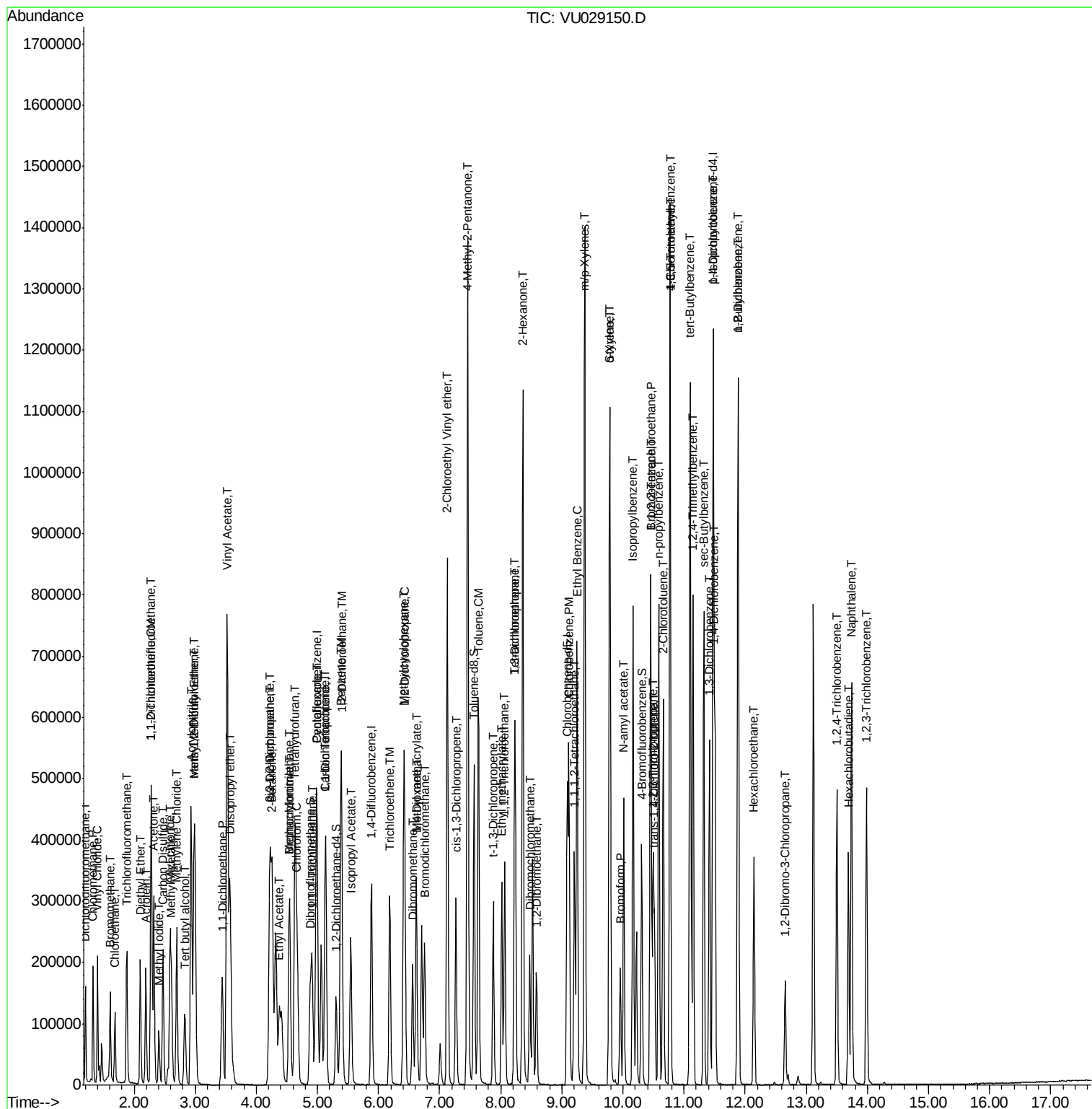
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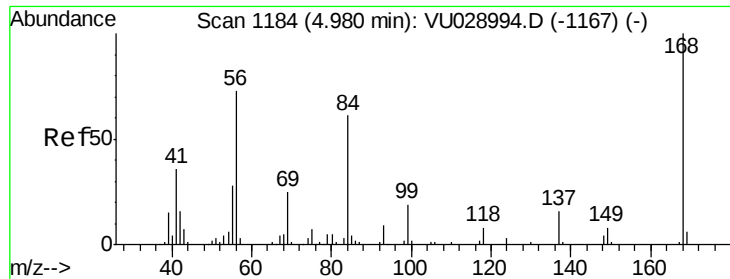
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 170475

Ion Ratio Lower Upper

168 100

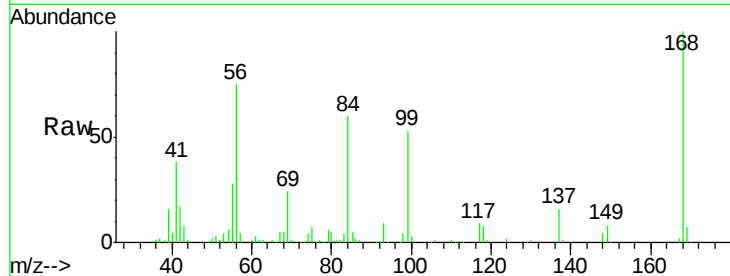
99 52.6 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

80000

60000

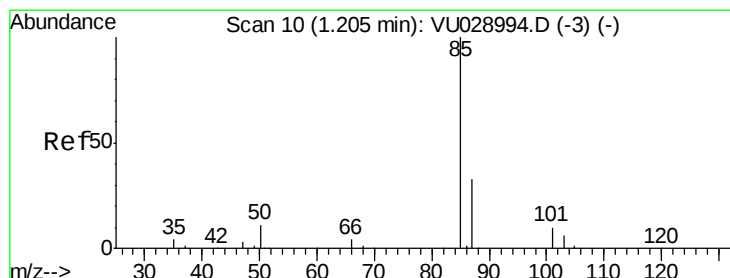
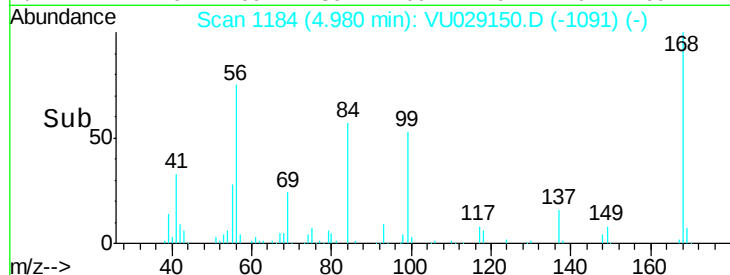
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.599 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029150.D

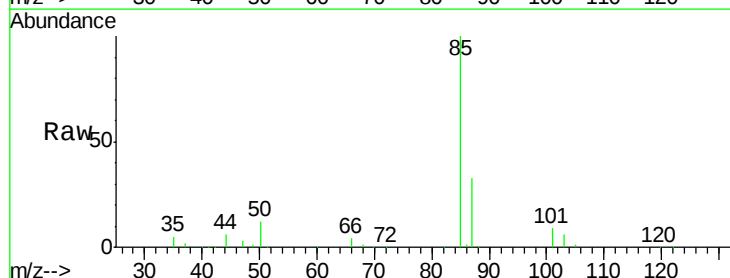
Acq: 11 Jan 2019 18:42

Tgt Ion: 85 Resp: 83853

Ion Ratio Lower Upper

85 100

87 33.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028994.D (-3) (-)

1.21

100000

80000

60000

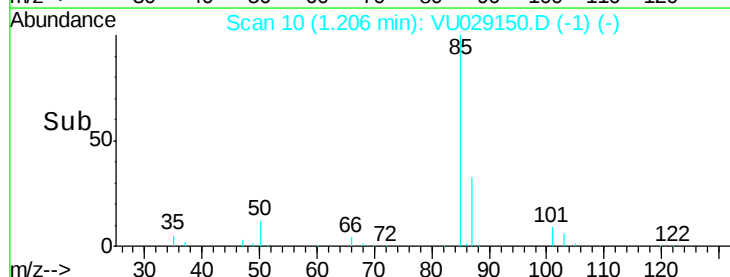
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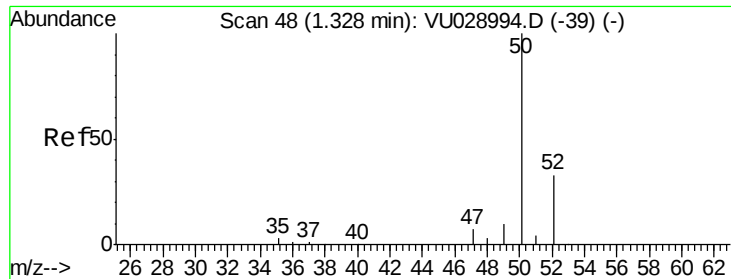
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 47.720 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 128854

Ion Ratio Lower Upper

50 100

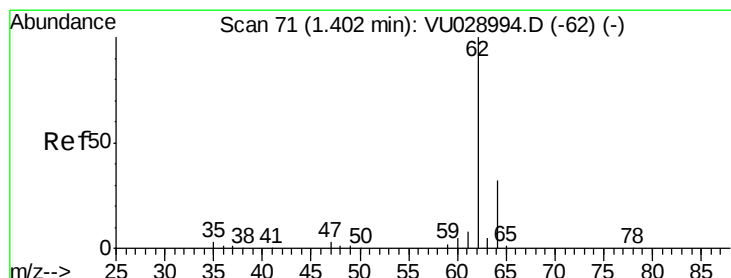
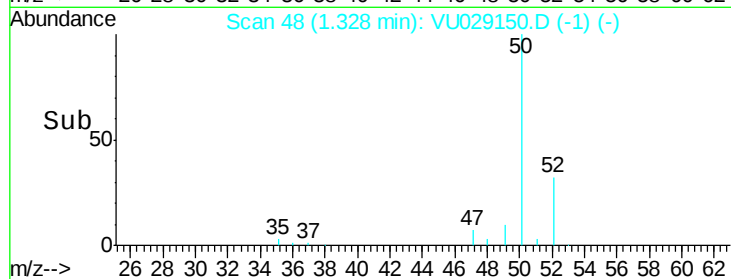
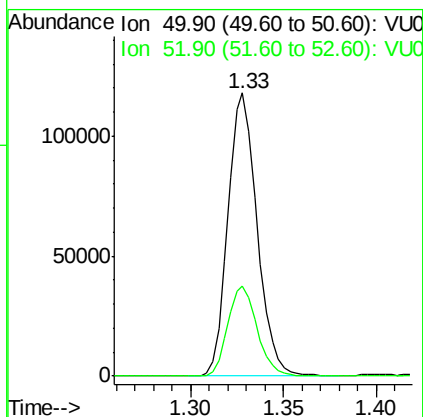
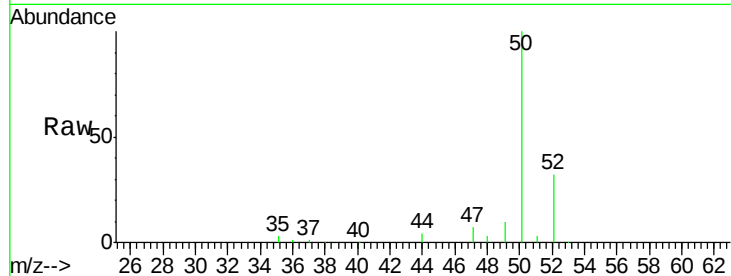
52 31.9 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.605 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029150.D

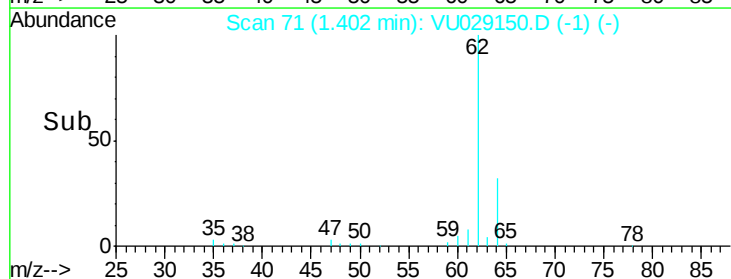
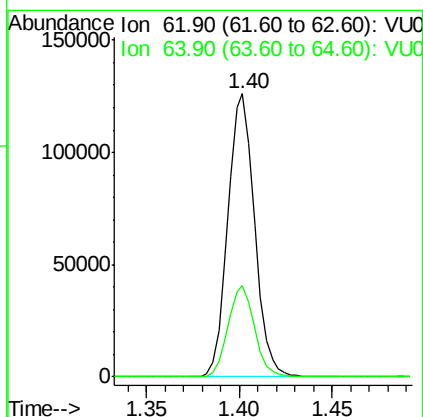
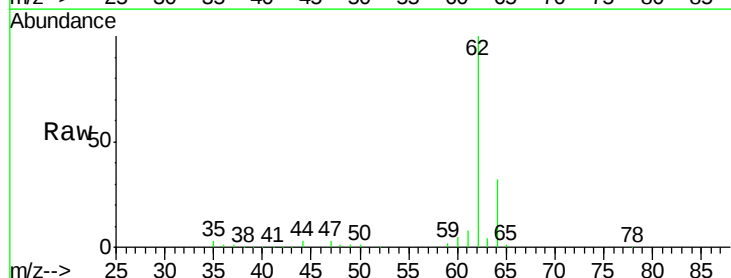
Acq: 11 Jan 2019 18:42

Tgt Ion: 62 Resp: 126078

Ion Ratio Lower Upper

62 100

64 32.1 25.9 38.9





#5

Bromomethane

Concen: 49.557 ug/l

RT: 1.61 min Scan# 135

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 63511

Ion Ratio Lower Upper

94 100

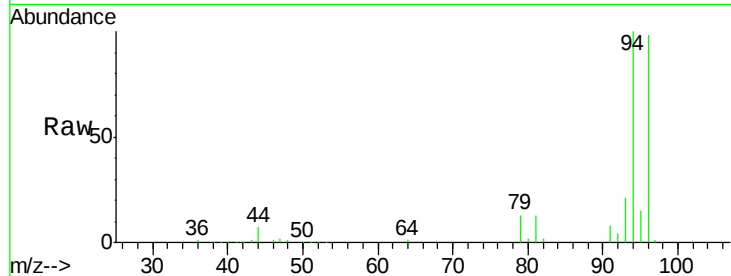
96 97.7 75.5 113.3

Manual Integrations

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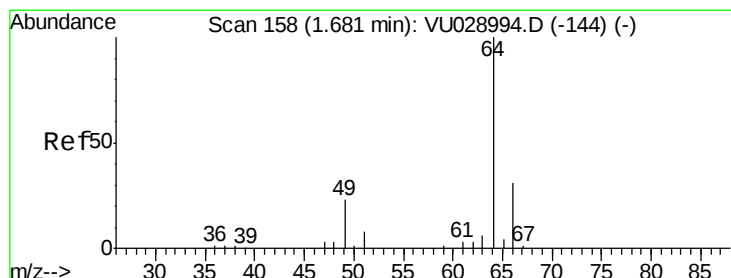
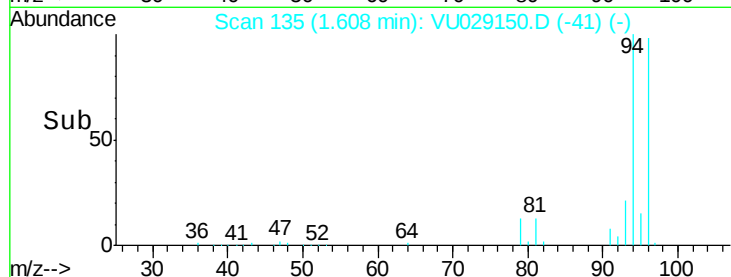
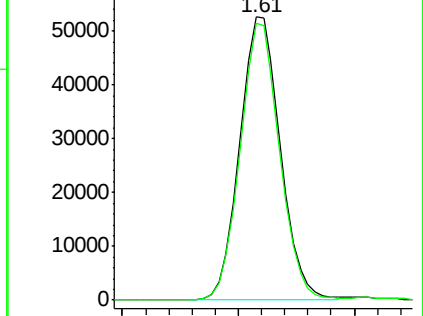
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 48.964 ug/l

RT: 1.69 min Scan# 160

Delta R.T. 0.01 min

Lab File: VU029150.D

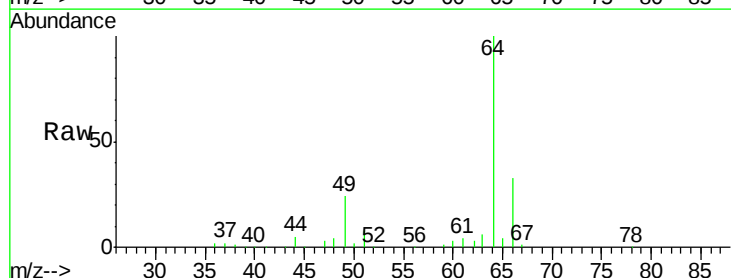
Acq: 11 Jan 2019 18:42

Tgt Ion: 64 Resp: 72662

Ion Ratio Lower Upper

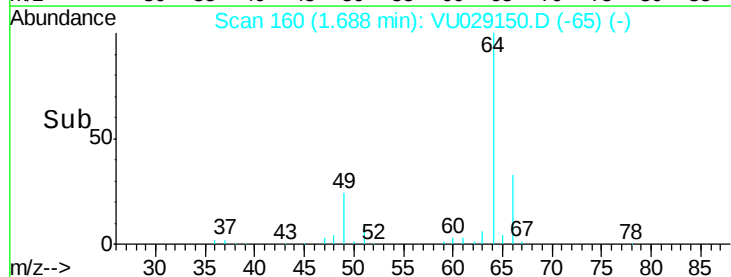
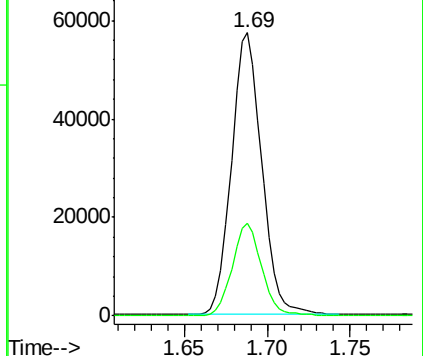
64 100

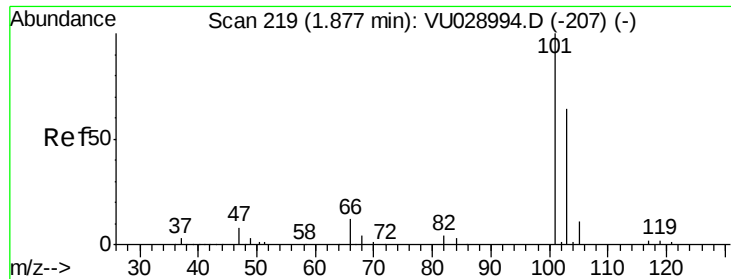
66 32.8 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

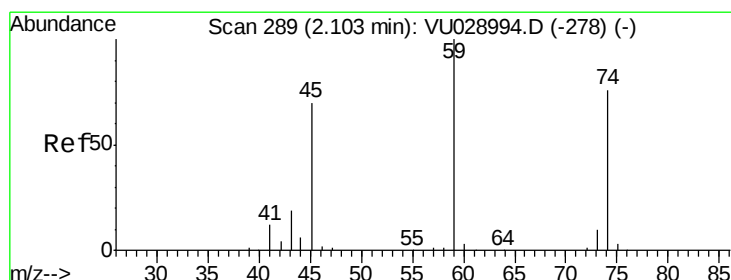
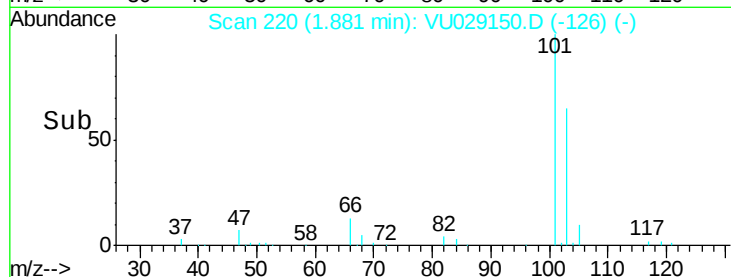
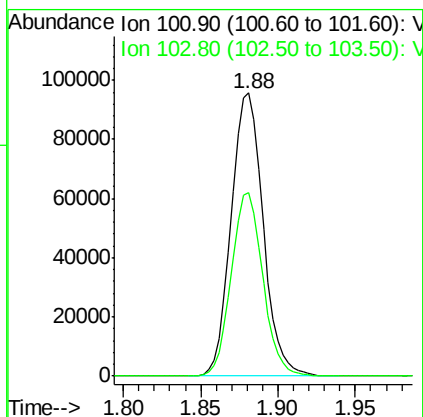
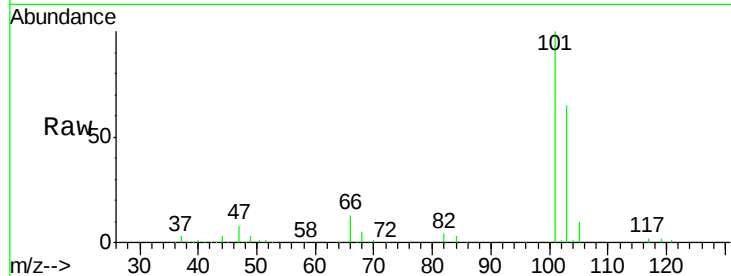
Trichlorofluoromethane
Concen: 50.459 ug/l
RT: 1.88 min Scan# 220
Delta R.T. 0.00 min
Lab File: VU029150.D
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Tot Ion:101 Resp: 136985
Ion Ratio Lower Upper
101 100
103 64.8 51.5 77.3

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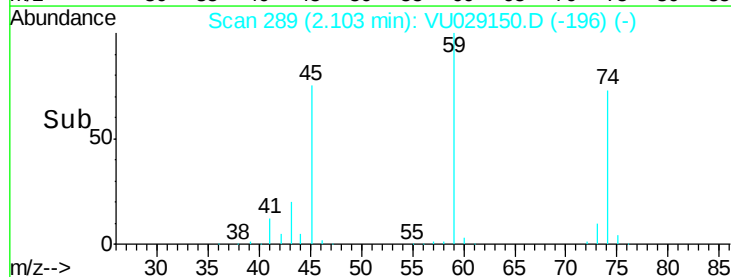
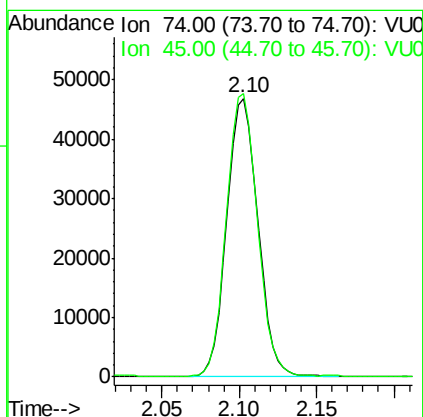
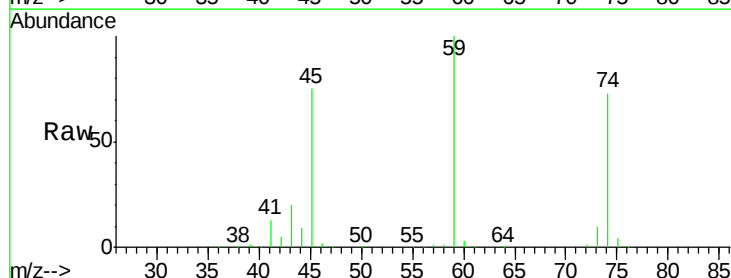
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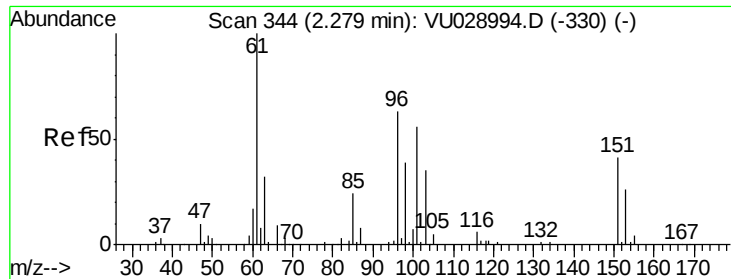


#8

Diethyl Ether
Concen: 50.187 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion: 74 Resp: 65457
Ion Ratio Lower Upper
74 100
45 101.1 46.9 140.6





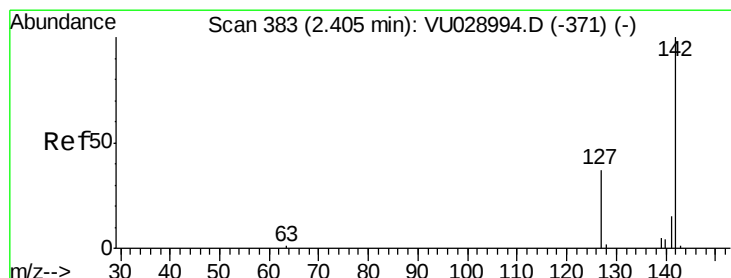
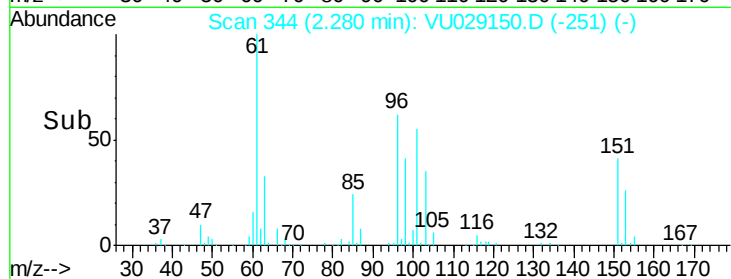
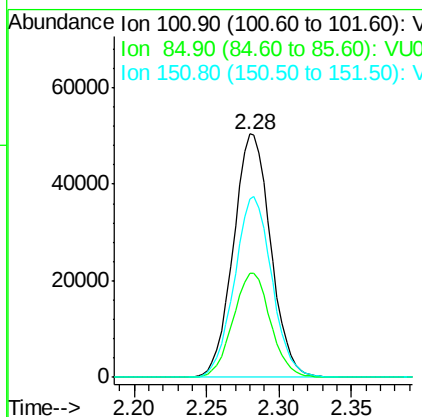
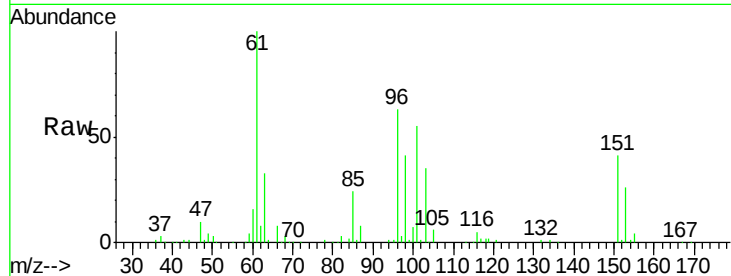
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.564 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.9	35.1	52.7
151	74.5	60.2	90.2

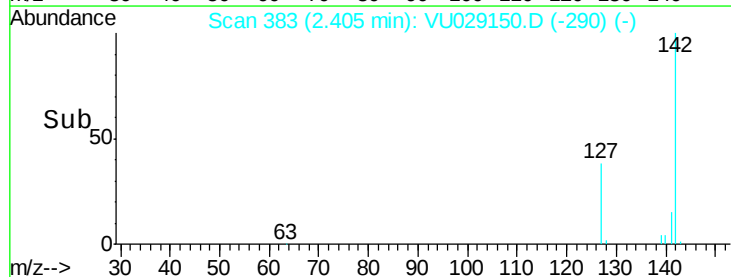
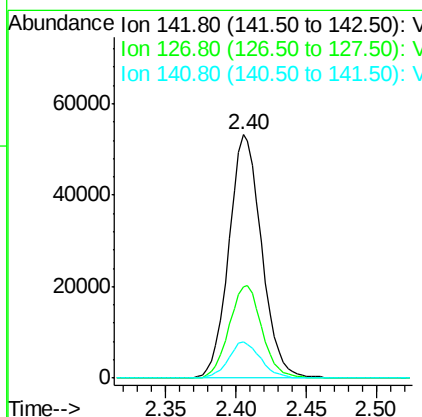
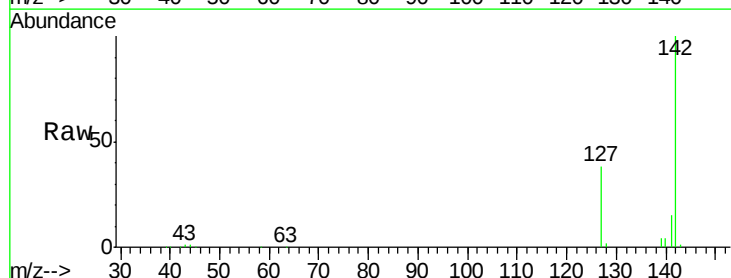
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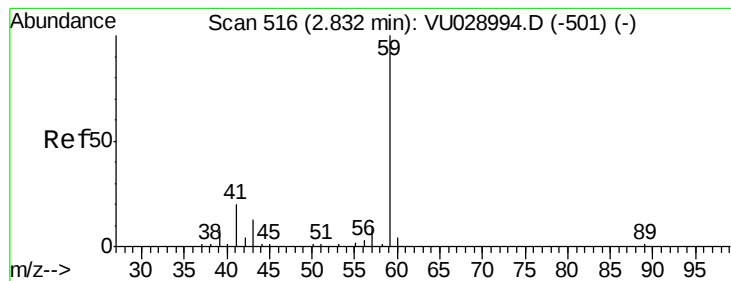
MMDadoda
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#10
 Methyl Iodide
 Concen: 50.579 ug/l
 RT: 2.40 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.2	29.8	44.6
141	14.4	11.5	17.3





#11

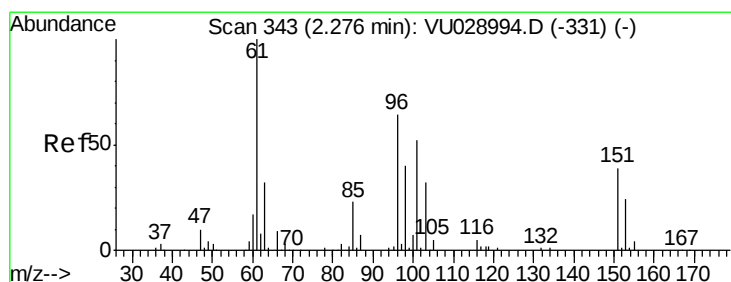
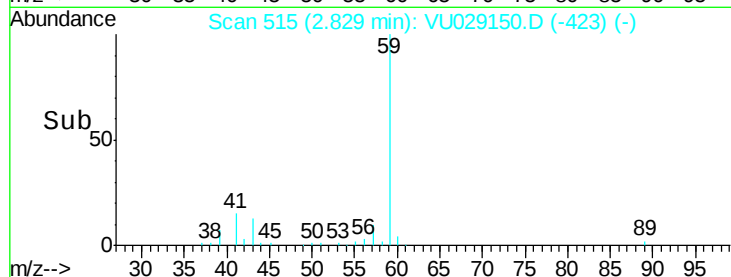
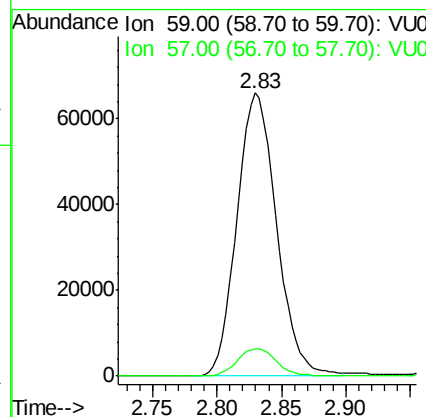
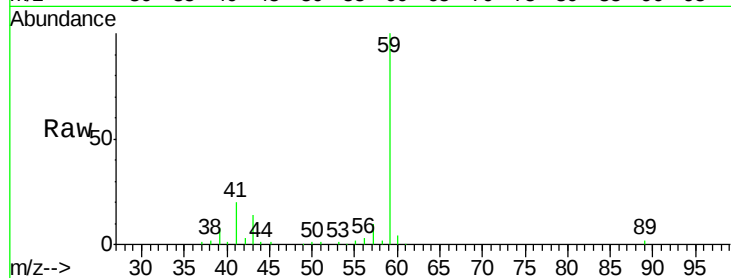
Tert butyl alcohol
Concen: 264.476 ug/l
RT: 2.83 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	9.6	Resp	141672	Lower	7.9	Upper	11.9
Ion	59	57	Ratio	100	9.6	Resp	141672	Lower	7.9	Upper	11.9

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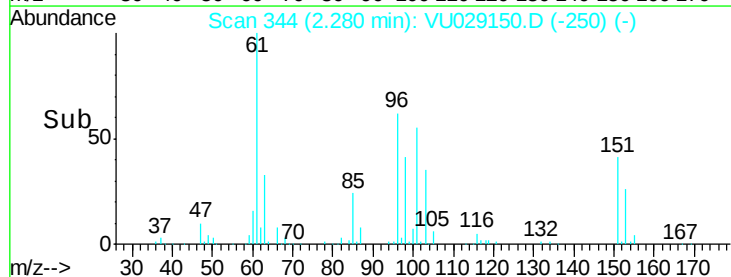
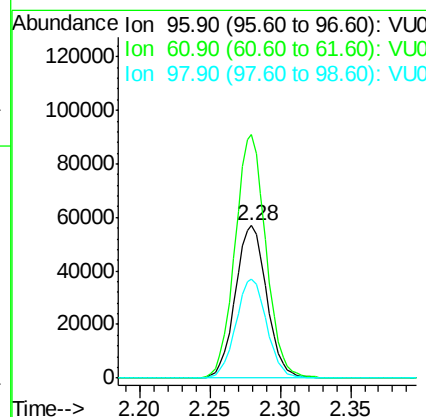
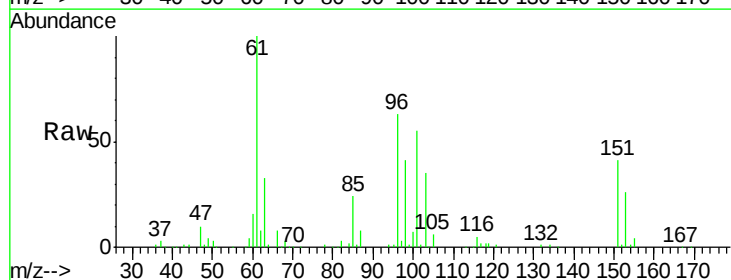
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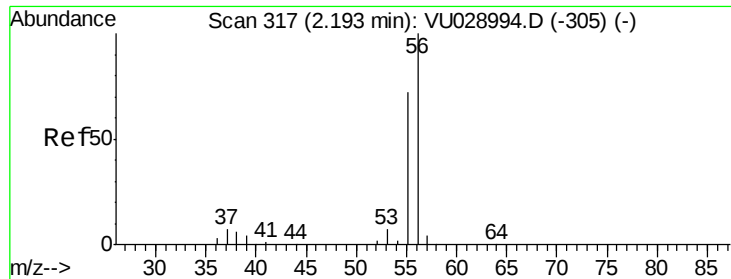


#12

1,1-Dichloroethene
Concen: 50.214 ug/l
RT: 2.28 min Scan# 344
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion	96	61	98	Ratio	100	159.7	65.3	Resp	88782	Lower	125.4	49.7	Upper	188.0	74.5
Ion	96	61	98	Ratio	100	159.7	65.3	Resp	88782	Lower	125.4	49.7	Upper	188.0	74.5





#13

Acrolein

Concen: 324.495 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 130522

Ion Ratio Lower Upper

56 100

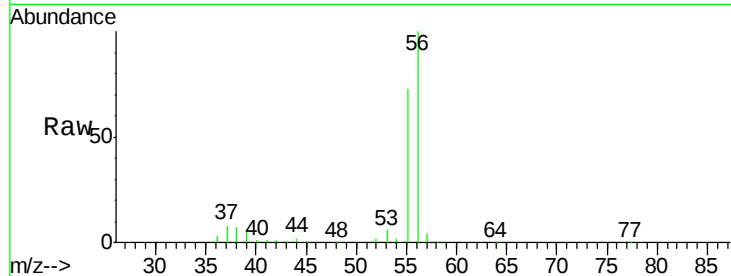
55 73.3 56.5 84.7

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

100000

80000

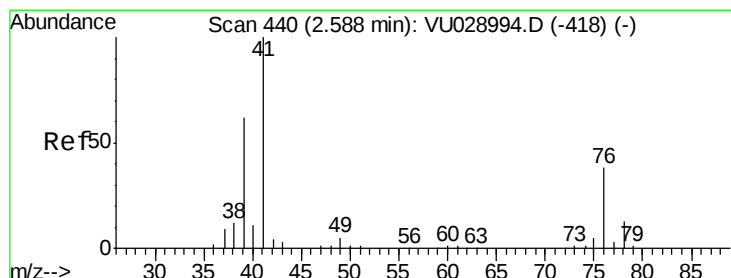
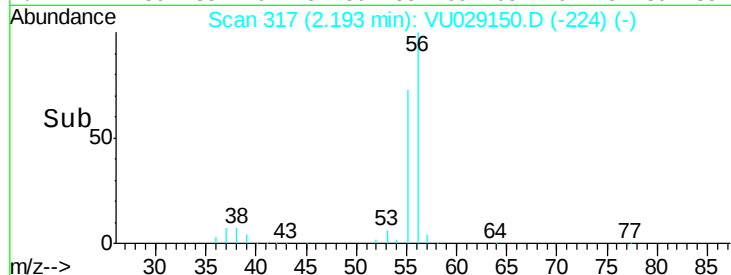
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 48.073 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

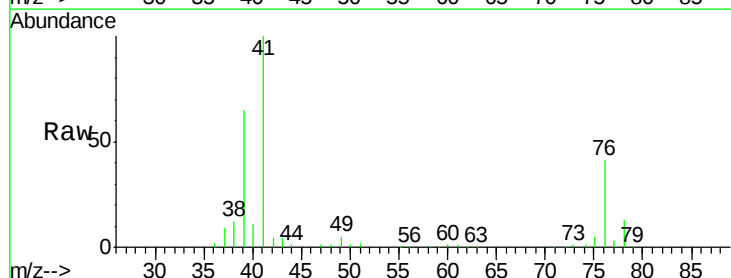
Tgt Ion: 41 Resp: 155954

Ion Ratio Lower Upper

41 100

39 64.7 45.0 67.6

76 39.1 28.1 42.1



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

2.59

120000

100000

80000

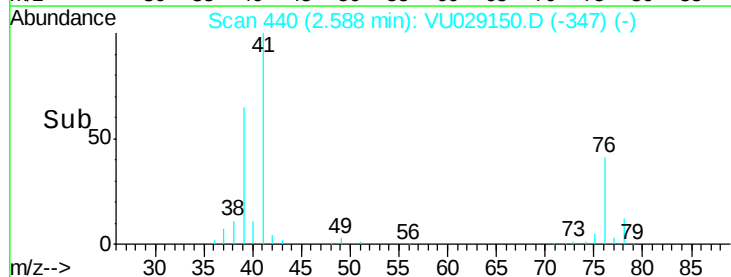
60000

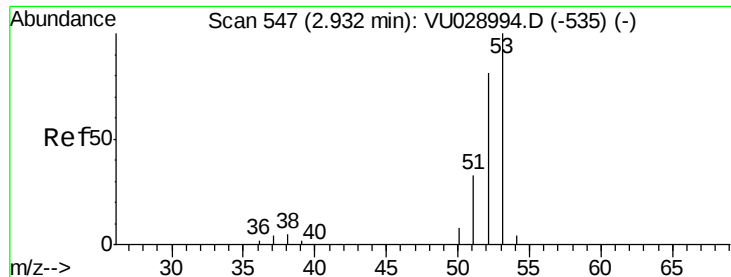
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 275.100 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

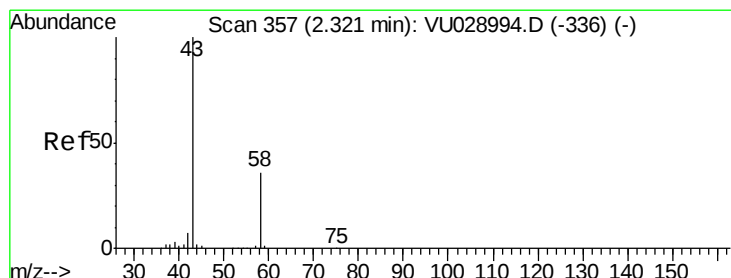
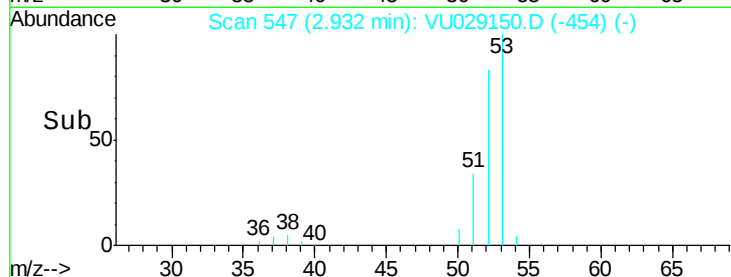
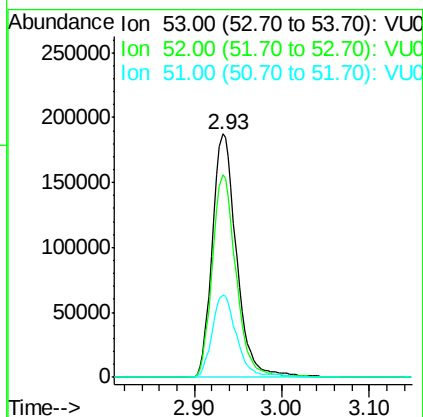
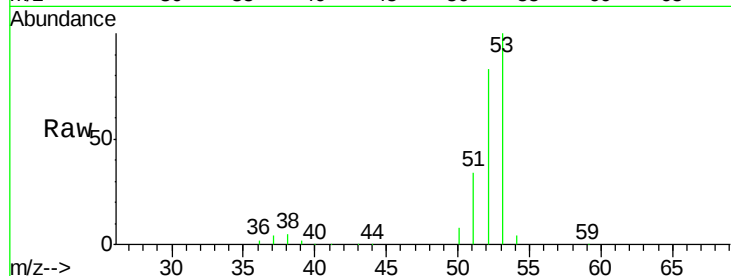
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	361532
Ion	Ratio	Lower	Upper
53	100		
52	81.6	64.8	97.2
51	34.7	27.3	40.9

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#16

Acetone

Concen: 228.363 ug/l

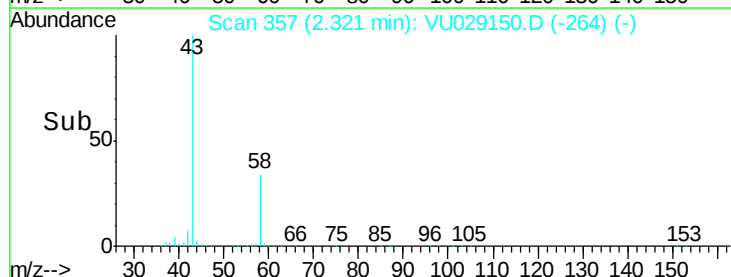
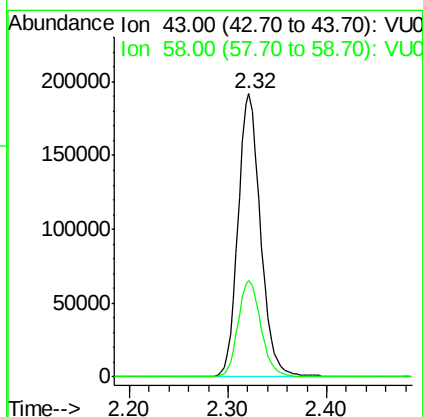
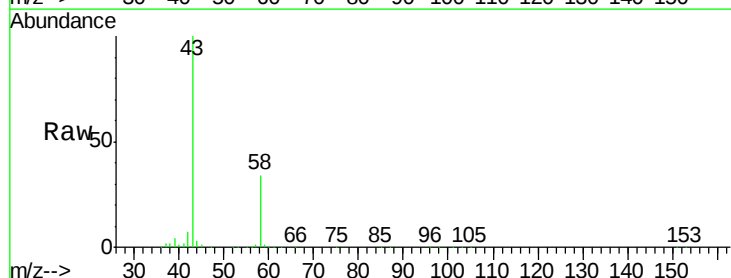
RT: 2.32 min Scan# 357

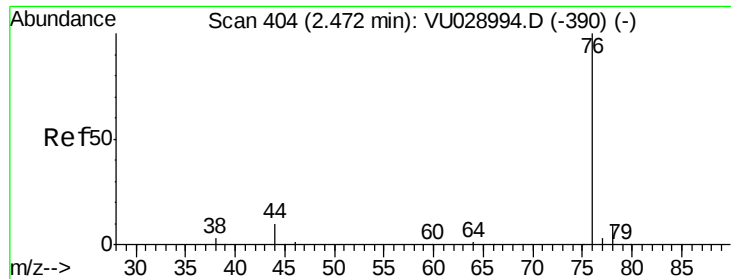
Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Tgt Ion:	43	Resp:	303171
Ion	Ratio	Lower	Upper
43	100		
58	34.2	28.6	42.8





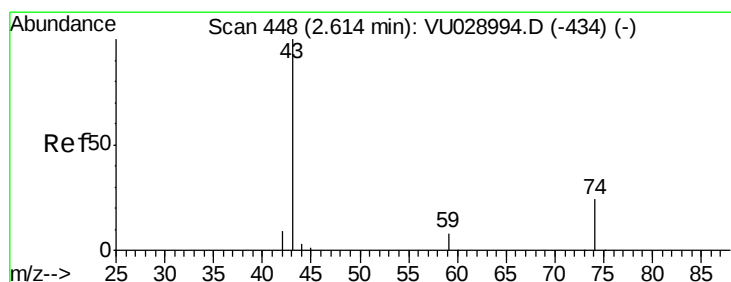
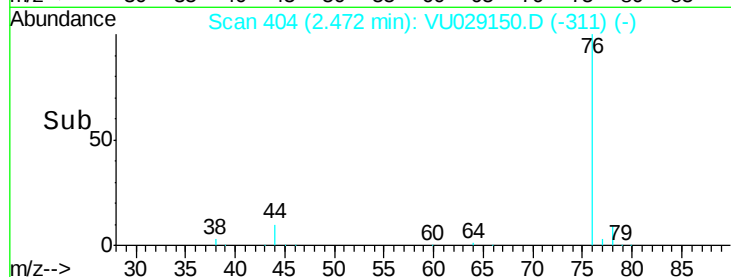
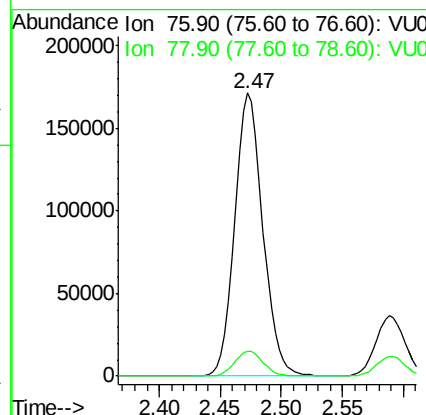
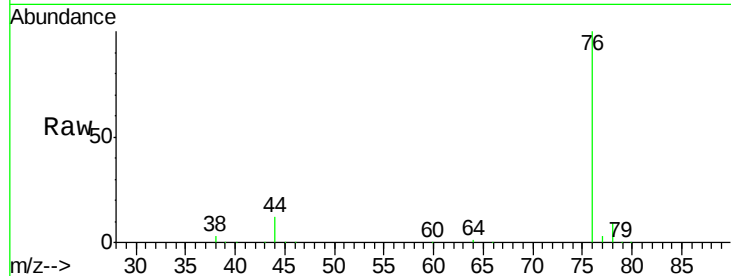
#17
Carbon Disulfide
Concen: 47.007 ug/l
RT: 2.47 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 275413
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8

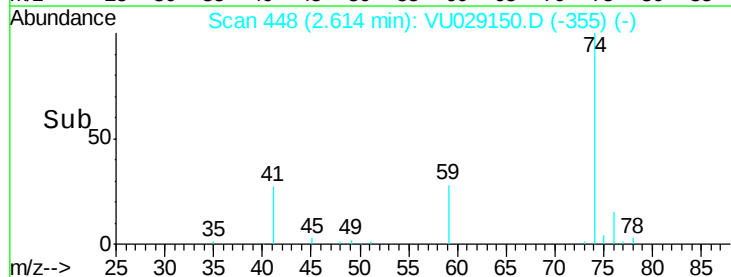
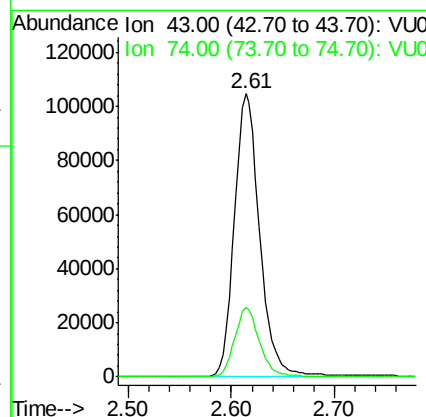
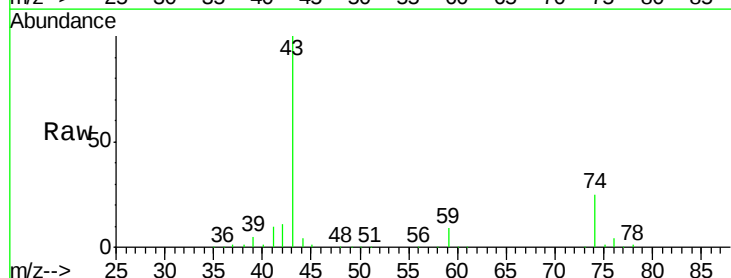
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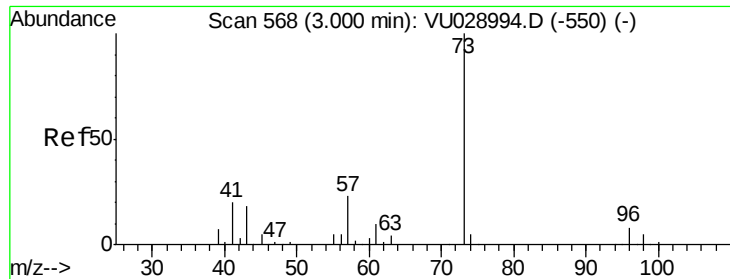
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#18
Methyl Acetate
Concen: 58.224 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion: 43 Resp: 179730
Ion Ratio Lower Upper
43 100
74 24.1 19.5 29.3





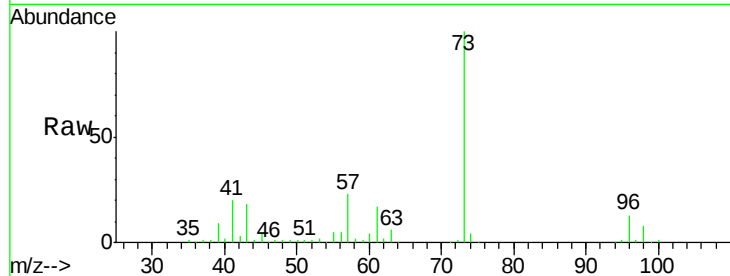
#19
Methyl tert-butyl Ether
Concen: 52.376 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

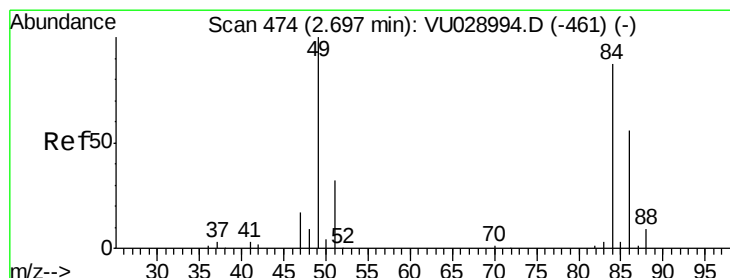
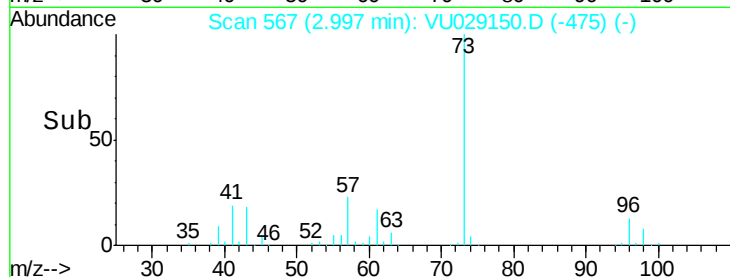
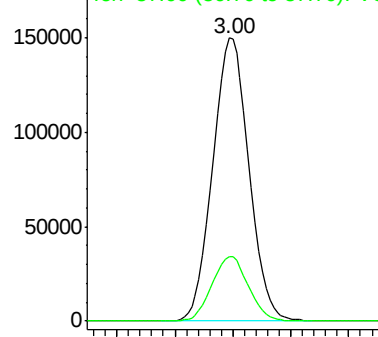
Tot Ion: 73 Resp: 325572
Ion Ratio Lower Upper
73 100
57 22.9 18.6 28.0

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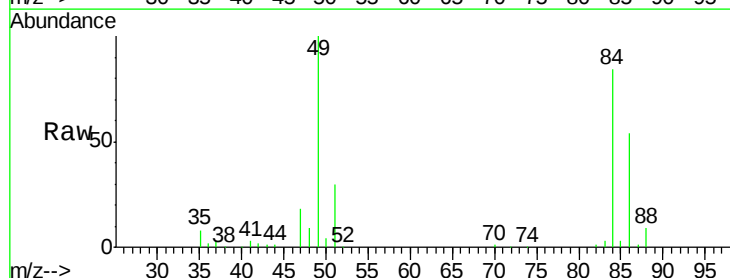


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

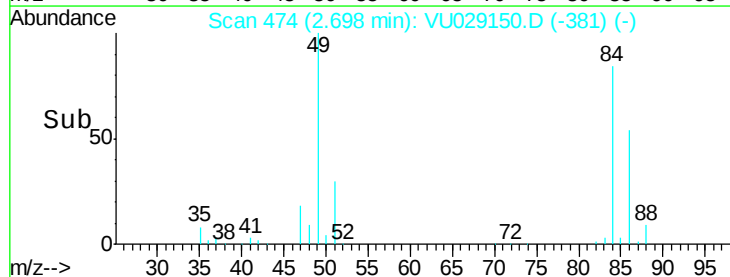
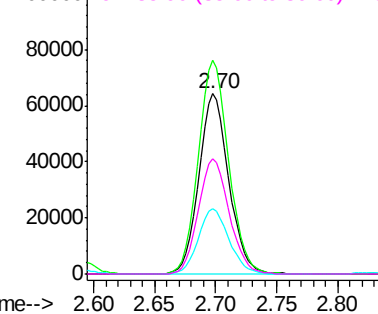


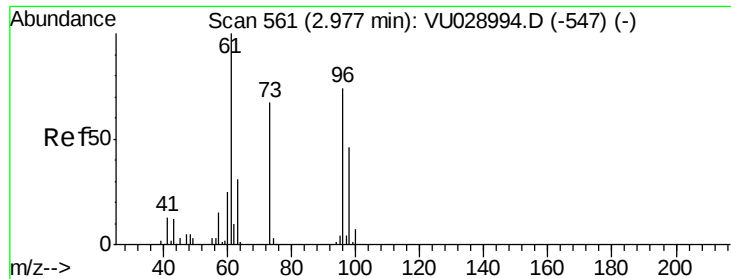
#20
Methylene Chloride
Concen: 48.972 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion: 84 Resp: 110384
Ion Ratio Lower Upper
84 100
49 118.5 91.9 137.9
51 36.1 29.2 43.8
86 63.8 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0





#21

trans-1,2-Dichloroethene

Concen: 48.875 ug/l

RT: 2.98 min Scan# 561

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

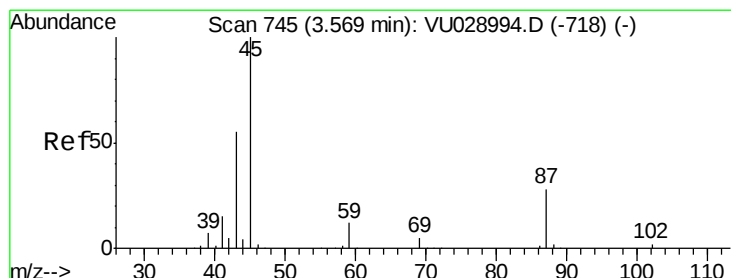
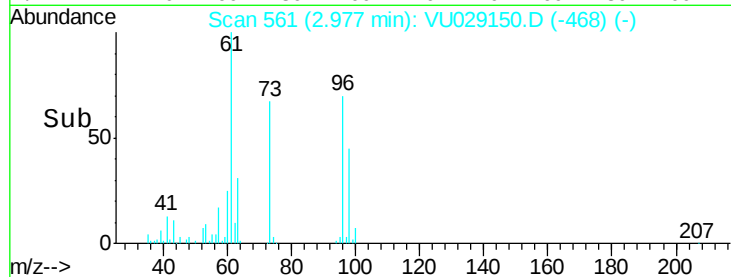
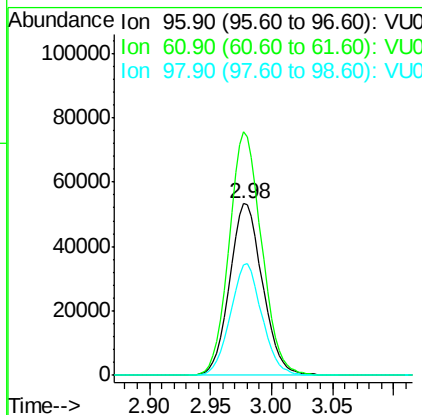
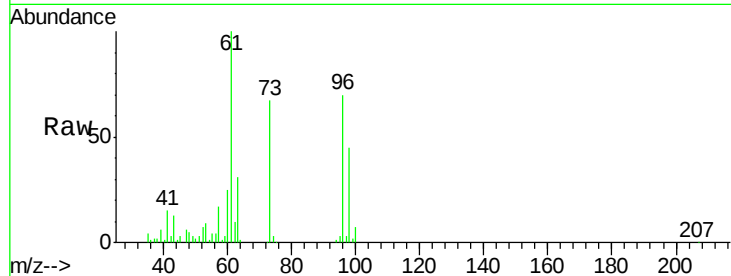
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	100397
Ion	Ratio	Lower	Upper
96	100		
61	142.0	107.7	161.5
98	64.4	49.2	73.8

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#22

Diisopropyl ether

Concen: 54.498 ug/l

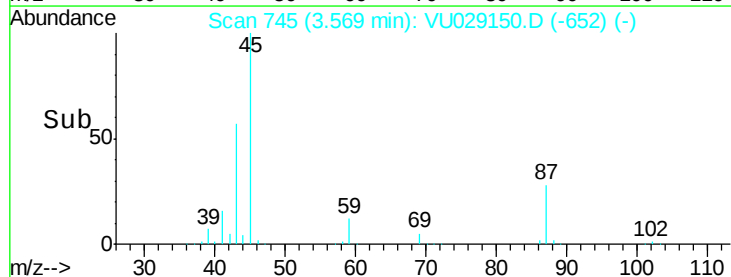
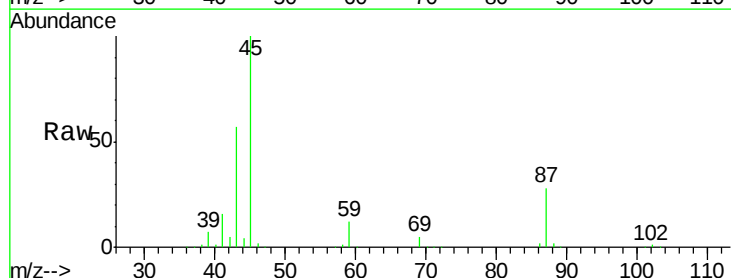
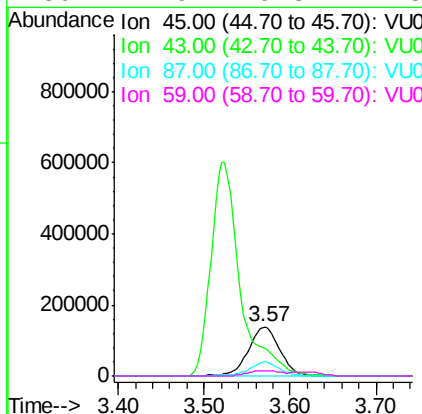
RT: 3.57 min Scan# 745

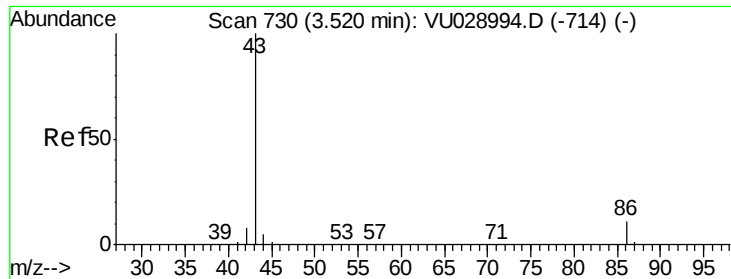
Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Tgt Ion:	45	Resp:	349415
Ion	Ratio	Lower	Upper
45	100		
43	56.1	44.7	67.1
87	27.9	22.2	33.2
59	11.9	9.8	14.8





#23

Vinyl Acetate

Concen: 273.980 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Tot Ion: 43 Resp: 1436062

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0

Instrument :

MSVOA_U

ClientSampleId :

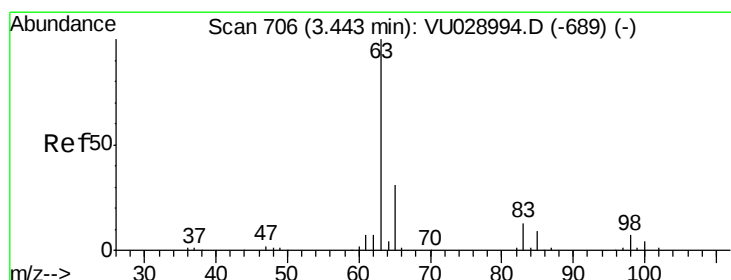
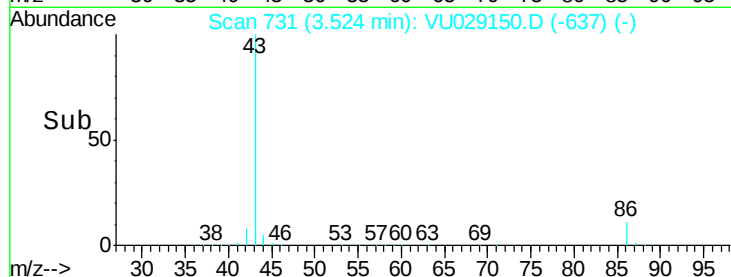
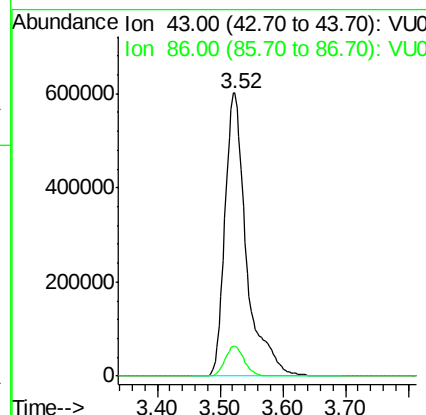
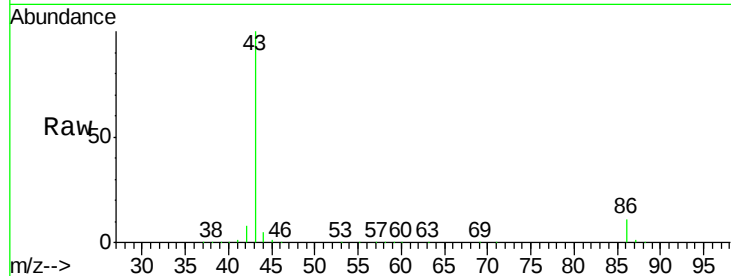
VSTDCCC050EC

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#24

1,1-Dichloroethane

Concen: 53.032 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

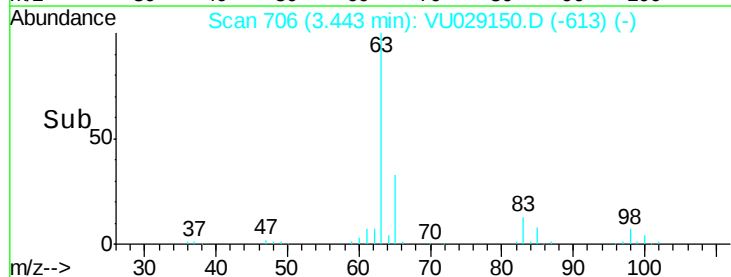
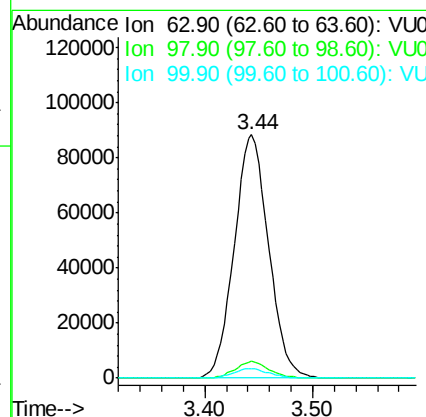
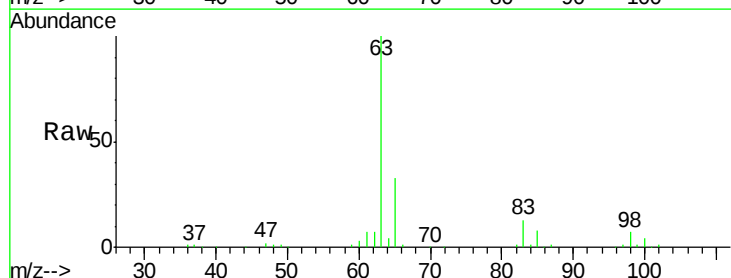
Tgt Ion: 63 Resp: 196285

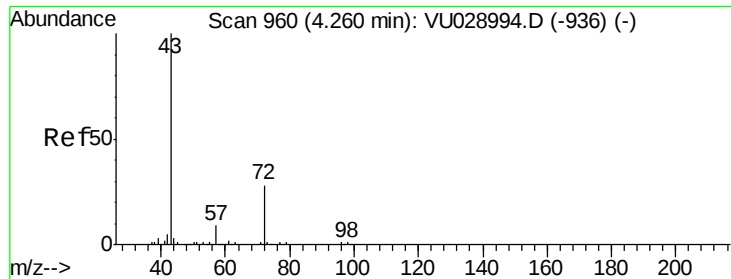
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 273.867 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 491069

Ion Ratio Lower Upper

43 100

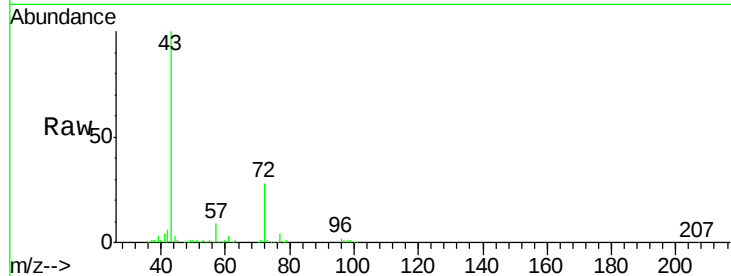
72 28.2 22.6 33.8

Manual Integrations

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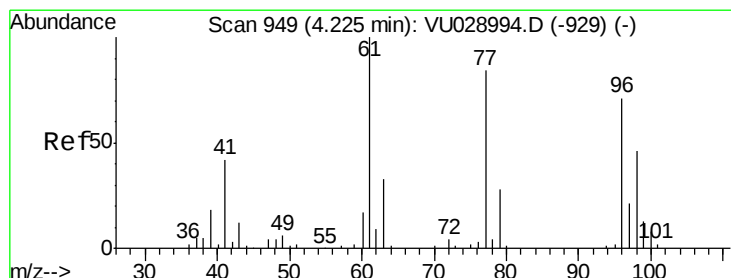
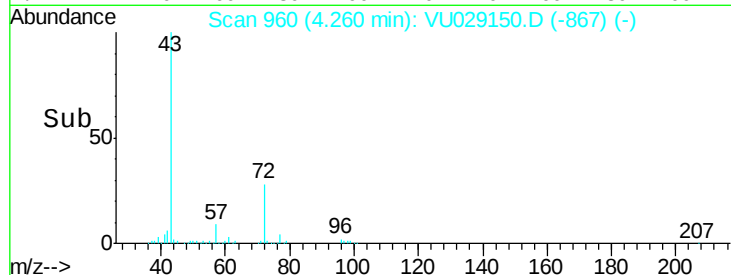
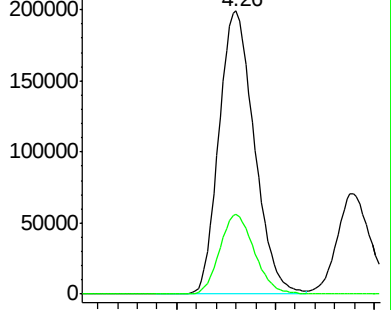
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-936) (-)

Ion 72.00 (71.70 to 72.70): VU028994.D (-936) (-)



#26

2,2-Dichloropropane

Concen: 51.532 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029150.D

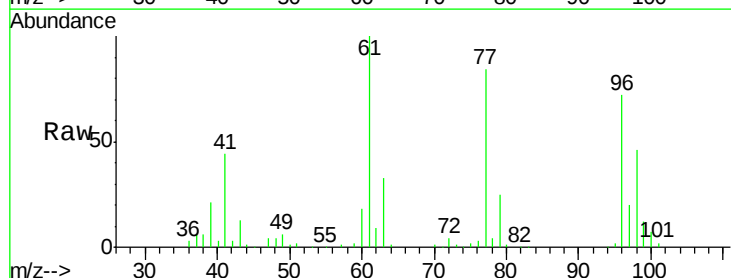
Acq: 11 Jan 2019 18:42

Tgt Ion: 77 Resp: 154117

Ion Ratio Lower Upper

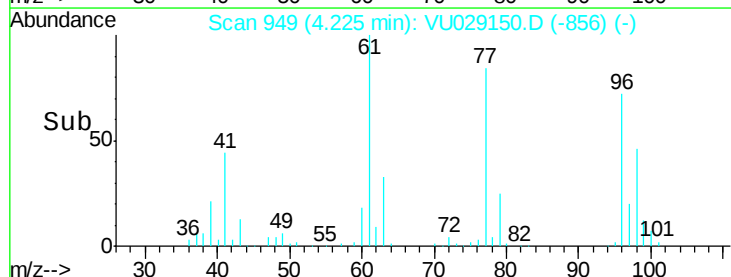
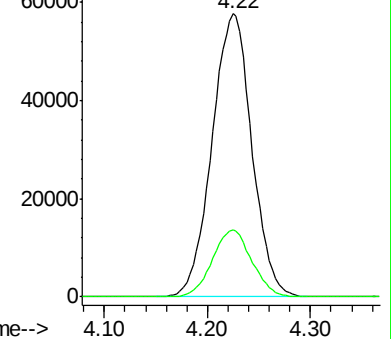
77 100

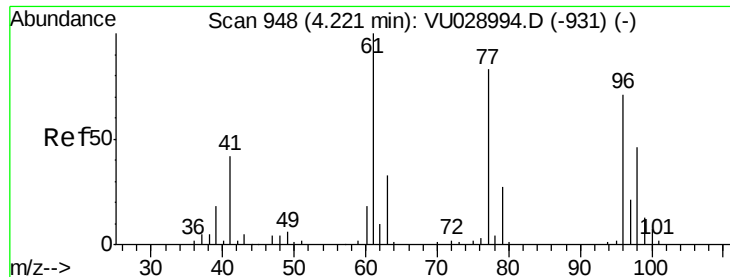
97 23.5 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU028994.D (-929) (-)

Ion 96.90 (96.60 to 97.60): VU028994.D (-929) (-)





#27

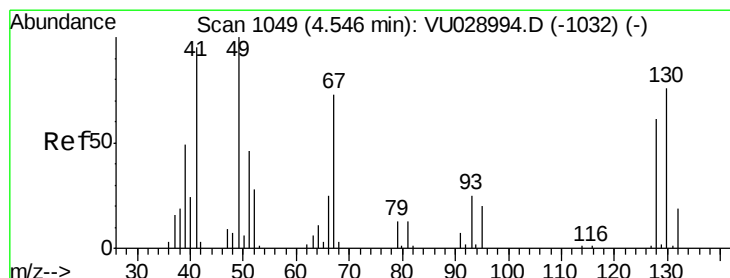
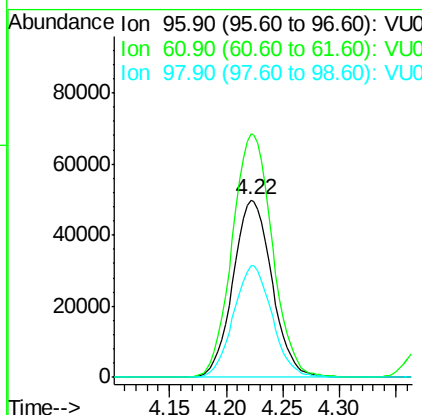
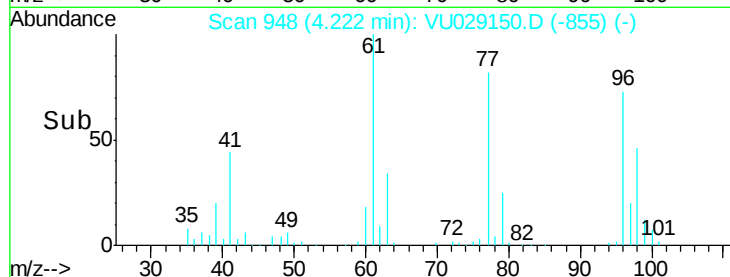
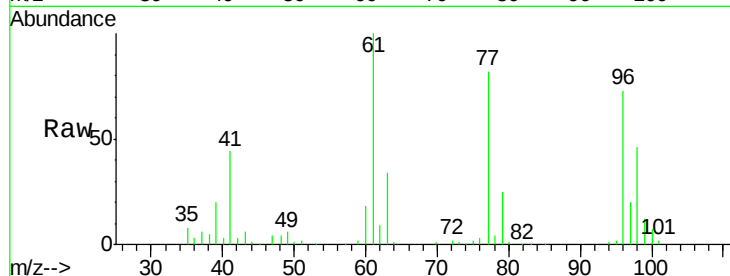
cis-1,2-Dichloroethene
Concen: 53.094 ug/l
RT: 4.22 min Scan# 948
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	119285		
61	142.0	0.0	285.6	
98	62.5	0.0	130.2	

Manual Integrations
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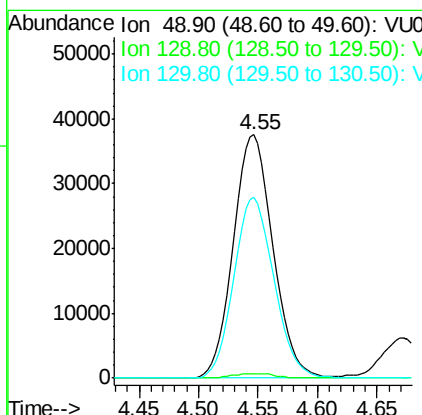
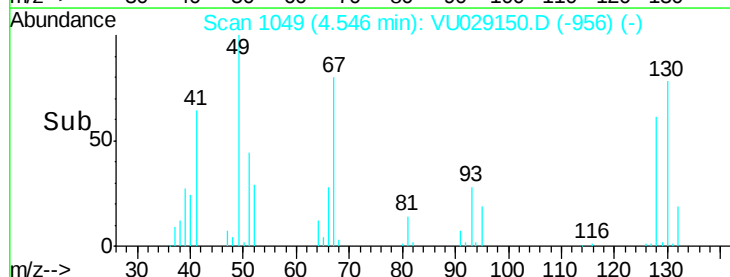
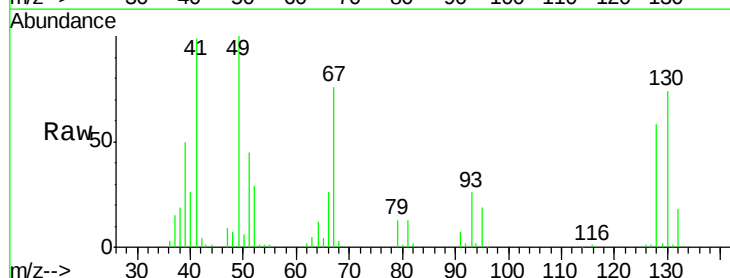
MMDadoda
1/14/2019 10:59:11 AM

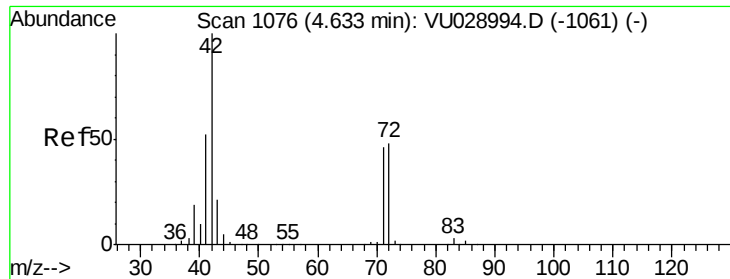


#28

Bromochloromethane
Concen: 54.954 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	87094		
129	2.0	0.0	3.4	
130	74.8	62.9	94.3	





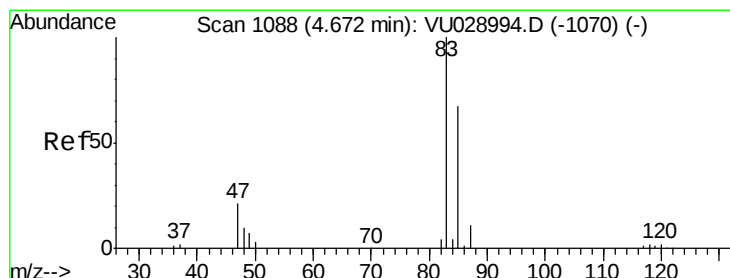
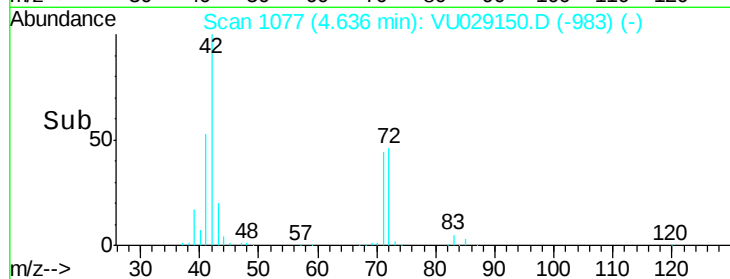
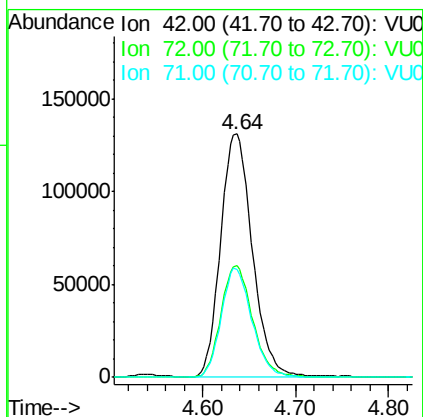
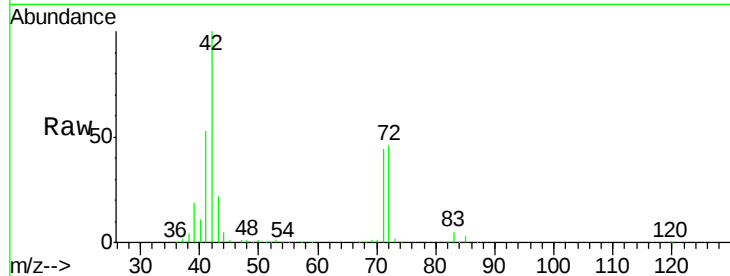
#29
Tetrahydrofuran
Concen: 287.014 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	38.3	57.5
71	43.4	36.1	54.1

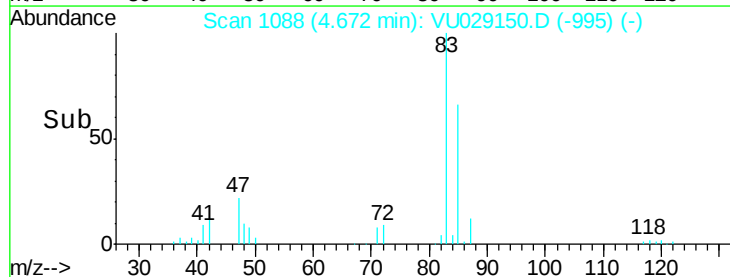
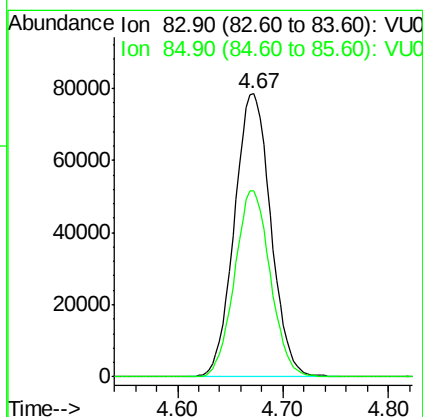
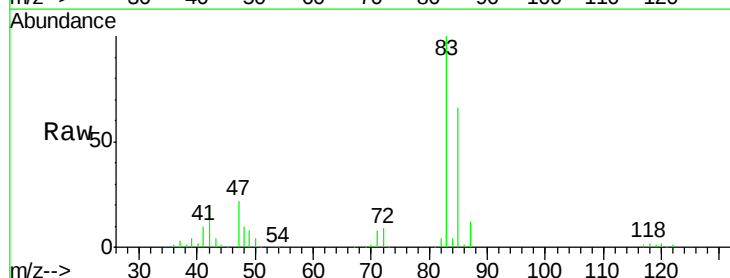
Manual Integrations
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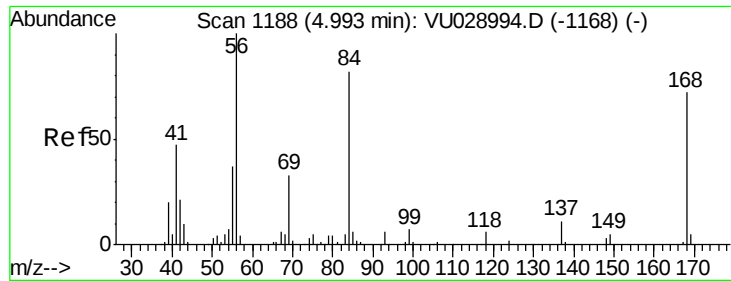
MMDadoda
1/14/2019 10:59:11 AM



#30
Chloroform
Concen: 53.306 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	53.4	80.0





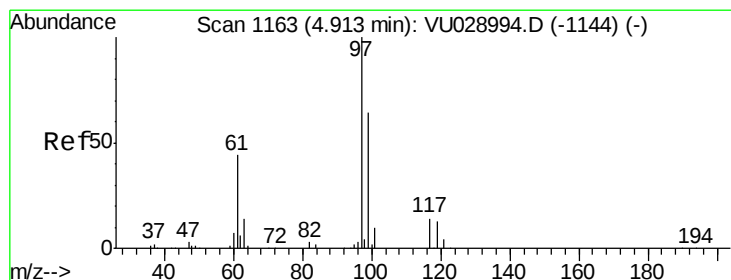
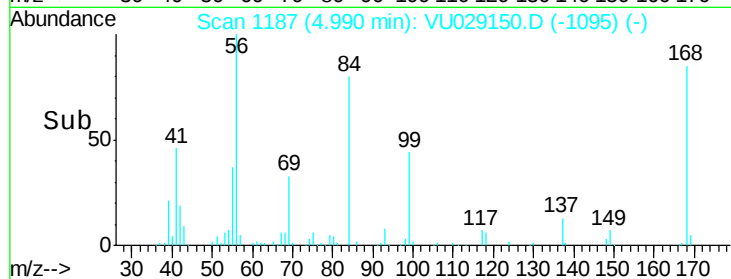
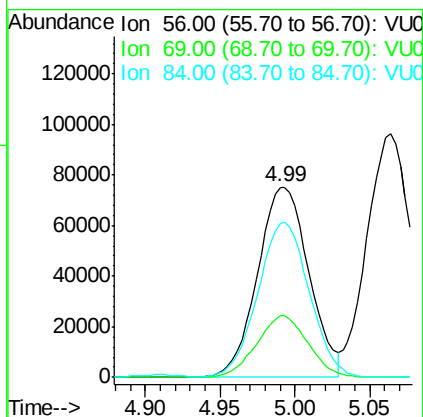
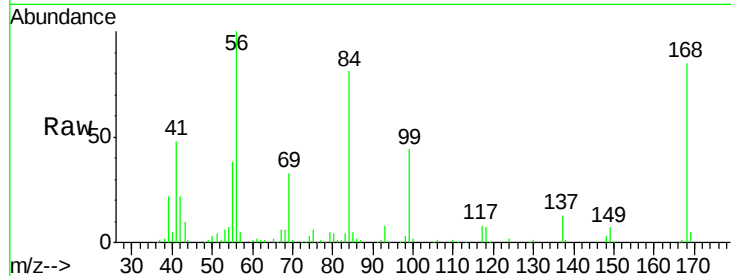
#31
Cyclohexane
Concen: 51.444 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	26.7	40.1
84	80.4	65.7	98.5

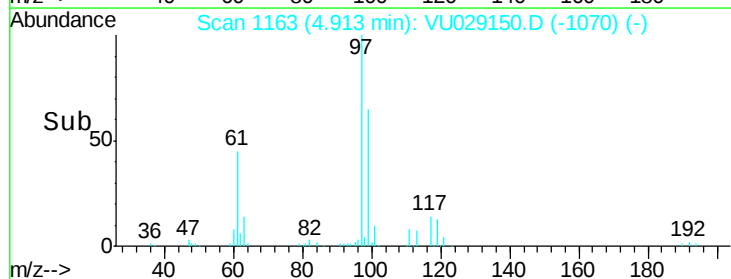
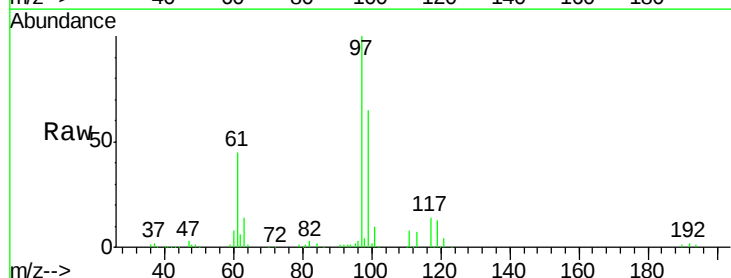
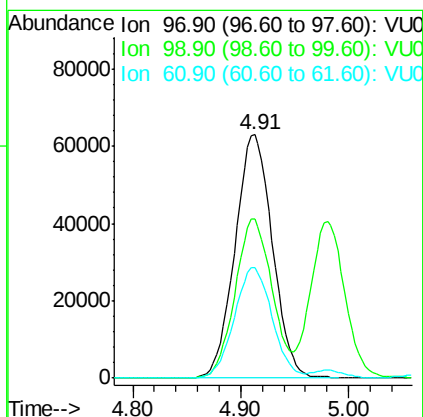
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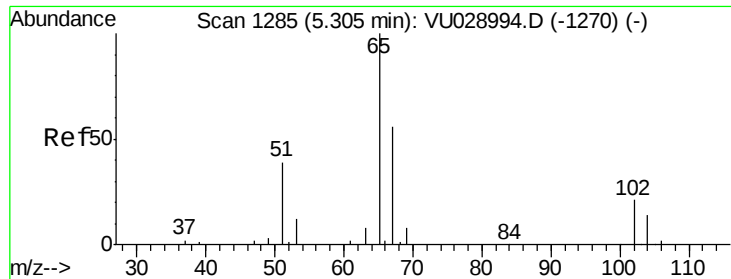
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#32
1,1,1-Trichloroethane
Concen: 52.248 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.0	76.4
61	45.9	34.4	51.6





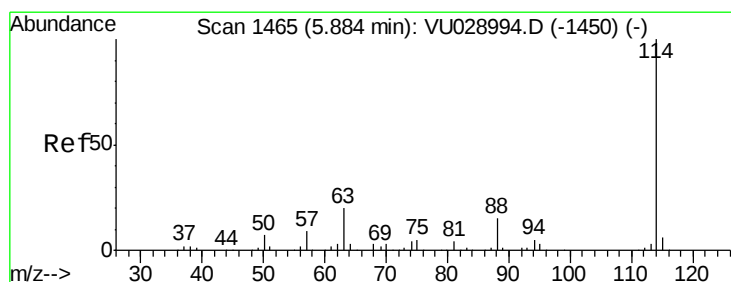
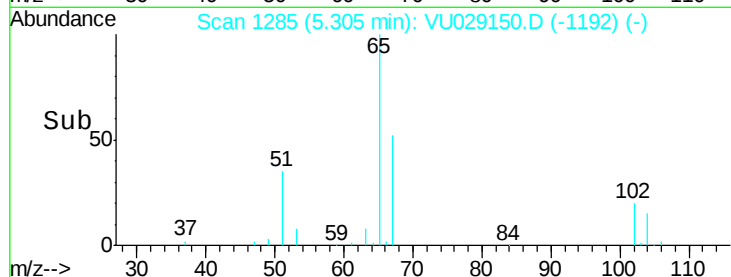
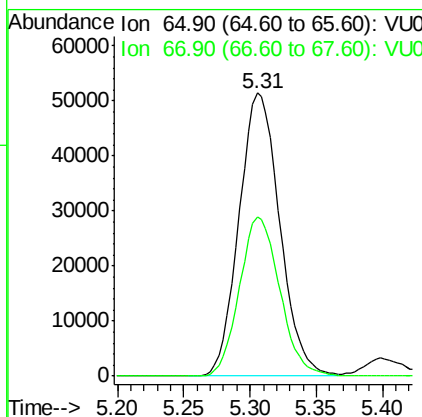
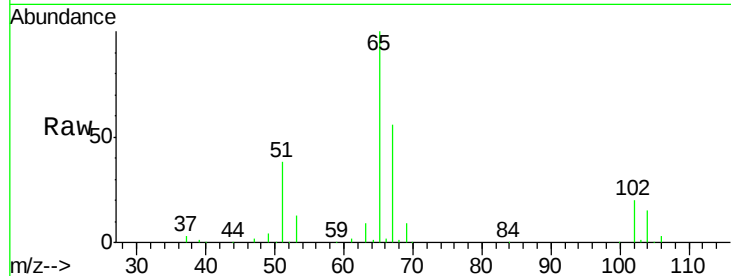
#33
 1,2-Dichloroethane-d4
 Concen: 52.214 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	110037		
67	55.6	0.0	111.0	

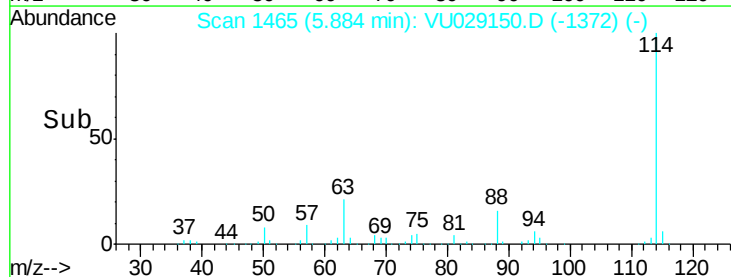
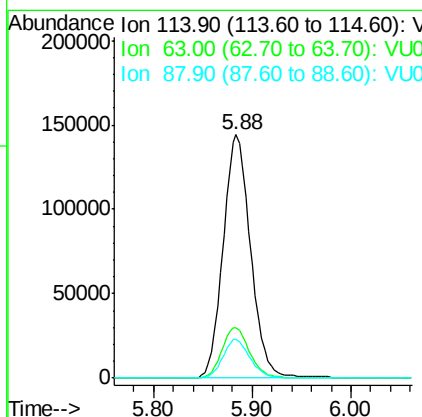
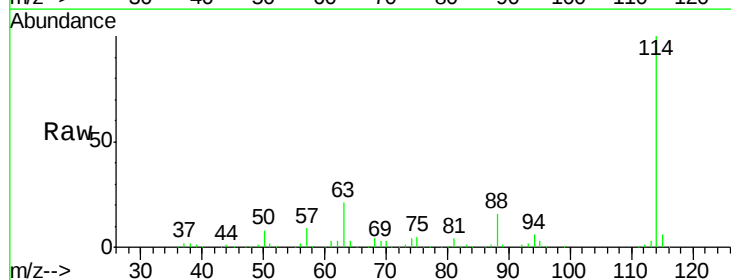
Manual Integrations
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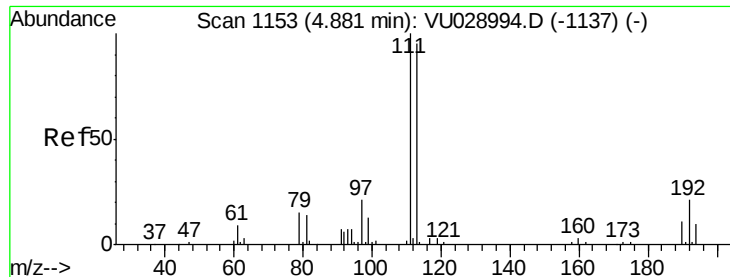
MMDadoda
 1/14/2019 10:59:11 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	281884		
63	20.9	0.0	40.2	
88	15.9	0.0	30.4	





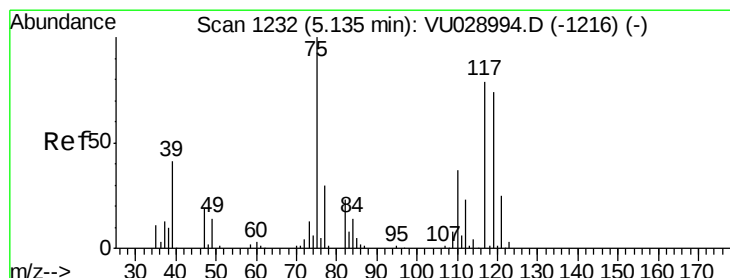
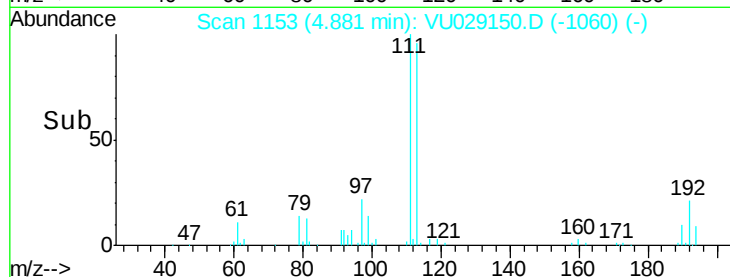
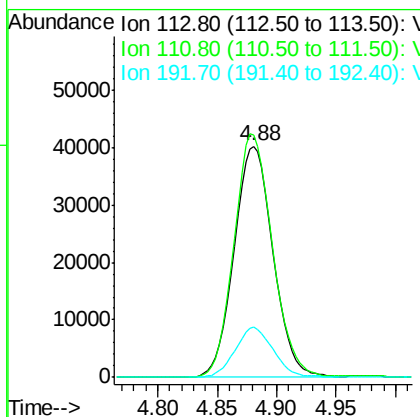
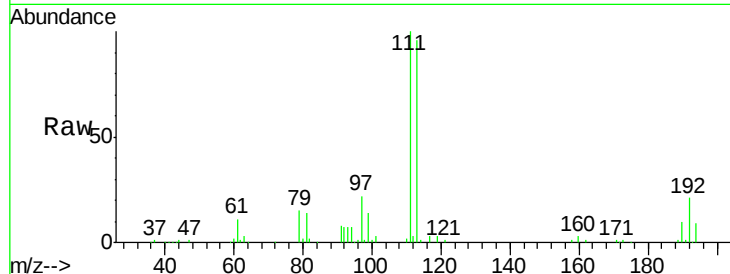
#35
 Dibromofluoromethane
 Concen: 49.937 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.4	122.2
192	21.2	16.8	25.2

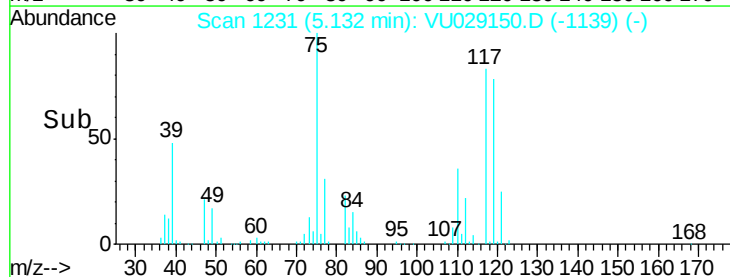
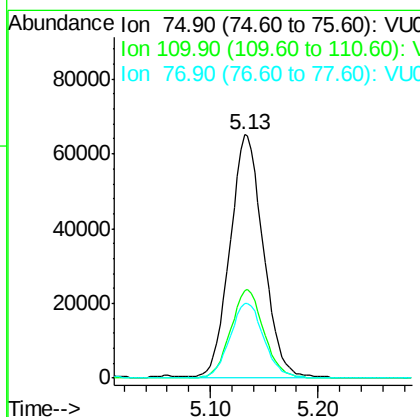
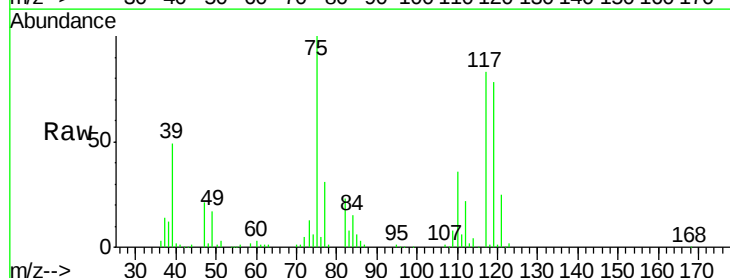
Manual Integrations
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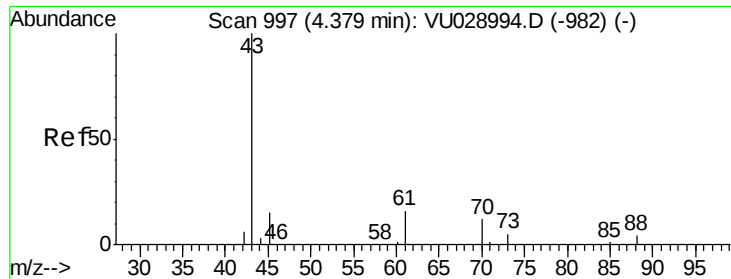
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#36
 1,1-Dichloropropene
 Concen: 49.462 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.4	55.4
77	30.9	25.1	37.7





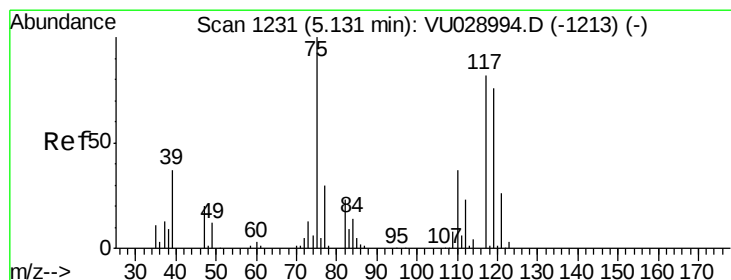
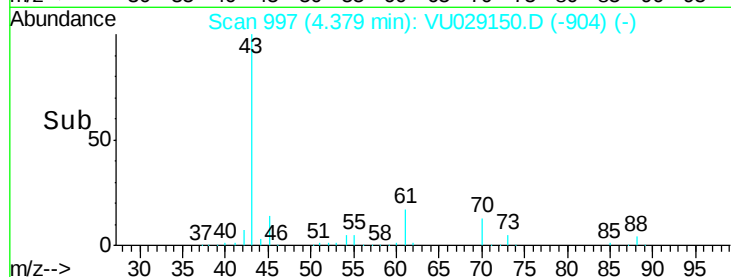
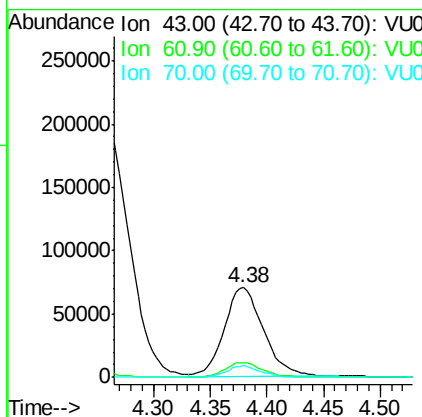
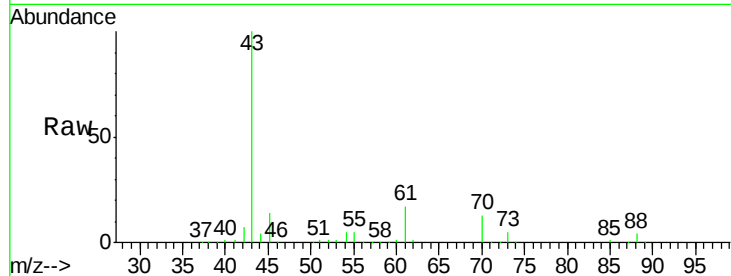
#37
Ethyl Acetate
Concen: 54.761 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.6	18.8
70	11.4	9.3	13.9

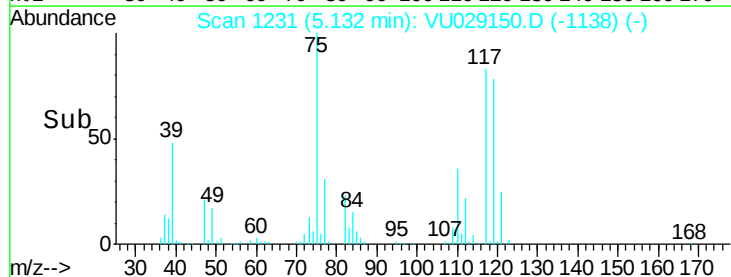
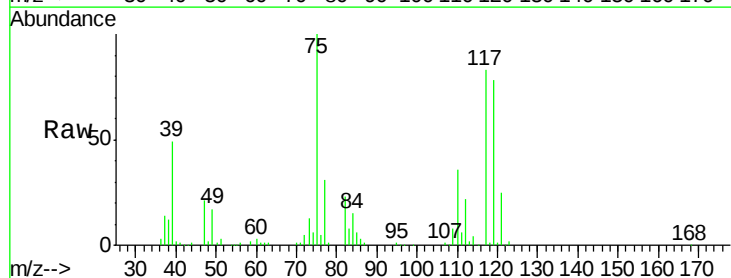
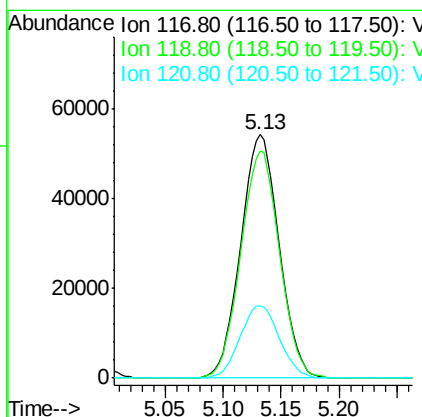
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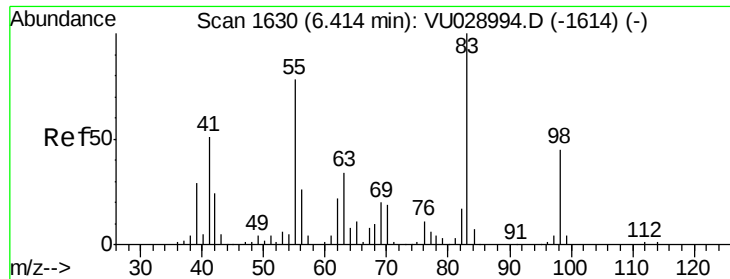
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#38
Carbon Tetrachloride
Concen: 53.387 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	74.6	111.8
121	29.8	25.0	37.6





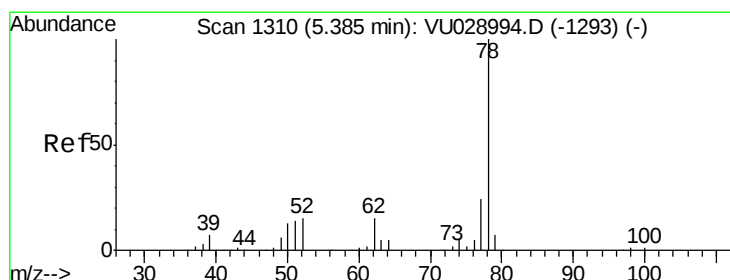
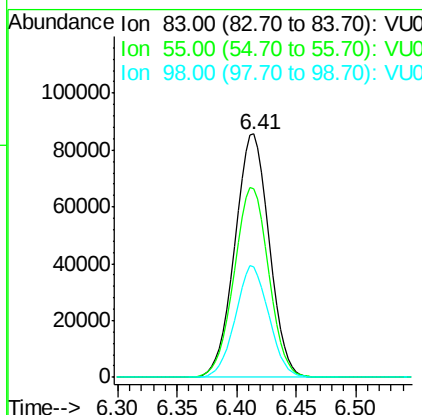
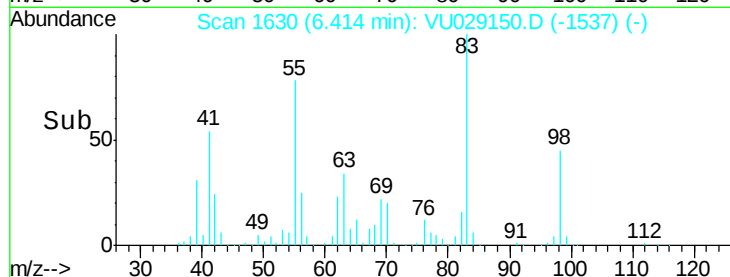
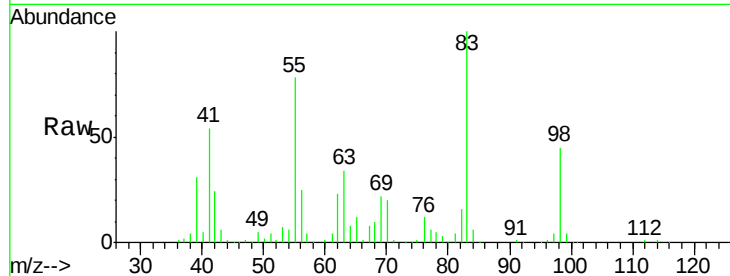
#39
Methvlcvclohexane
Concen: 49.516 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	62.4	93.6
98	45.4	36.2	54.2

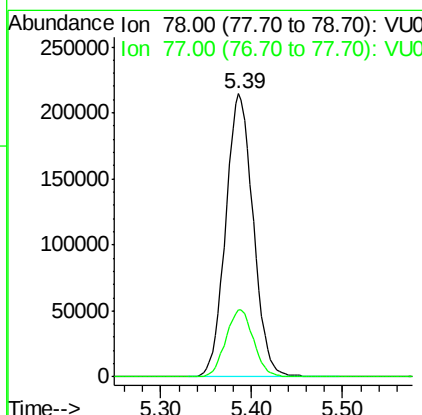
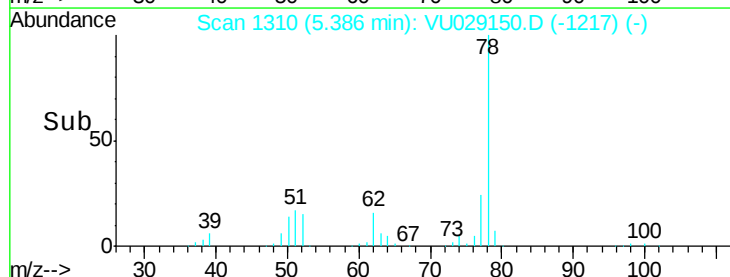
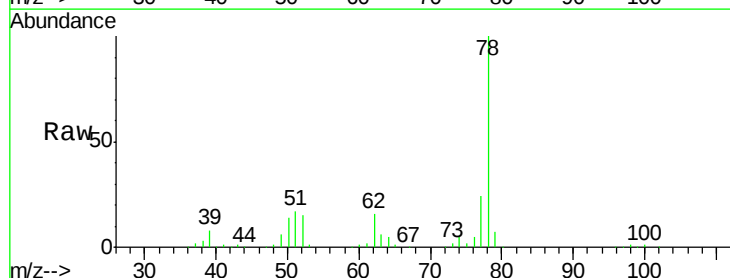
Manual Integrations
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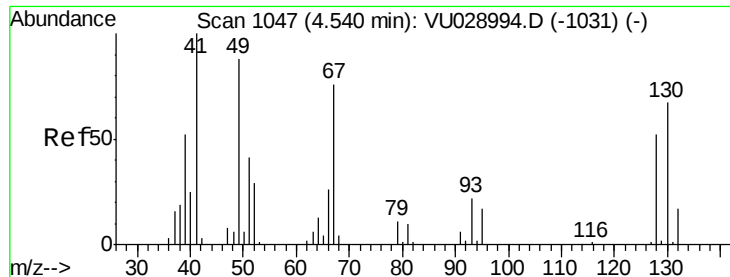
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#40
Benzene
Concen: 51.252 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.9	28.3





#41

Methacrylonitrile

Concen: 58.194 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 96339

Ion Ratio Lower Upper

41 100

39 50.2 42.3 63.5

67 76.5 64.4 96.6

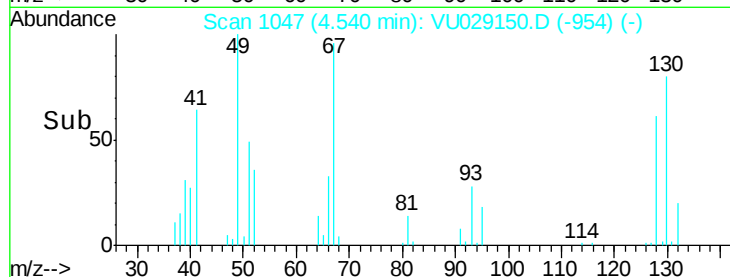
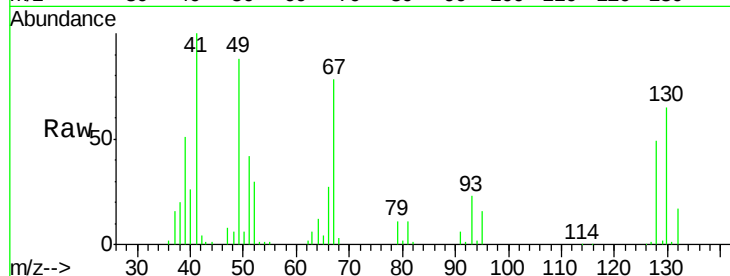
52 27.4 23.9 35.9

Manual Integrations

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MMDadoda

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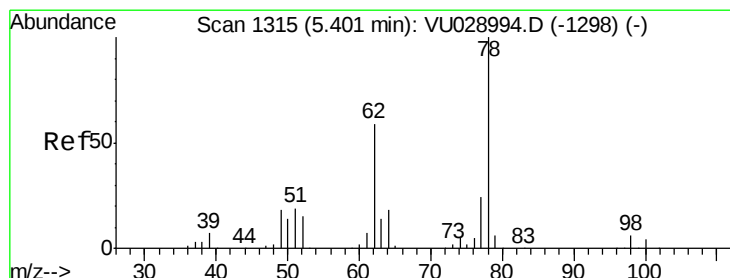
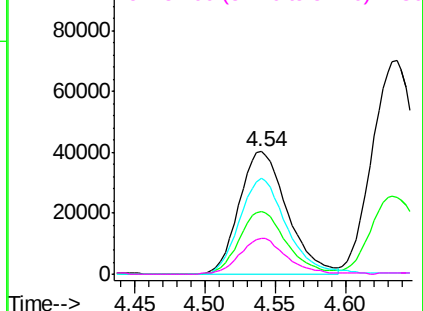


Abundance Ion 41.00 (40.70 to 41.70): VU029150.D (-954) (-)

Ion 39.00 (38.70 to 39.70): VU029150.D (-954) (-)

Ion 67.00 (66.70 to 67.70): VU029150.D (-954) (-)

Ion 52.00 (51.70 to 52.70): VU029150.D (-954) (-)



#42

1,2-Dichloroethane

Concen: 54.598 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU029150.D

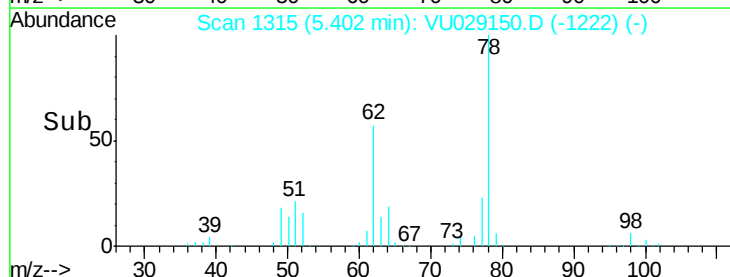
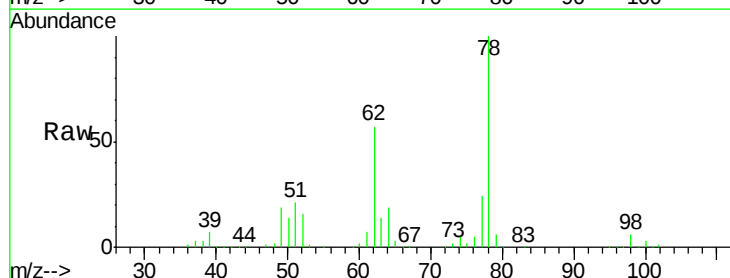
Acq: 11 Jan 2019 18:42

Tgt Ion: 62 Resp: 144189

Ion Ratio Lower Upper

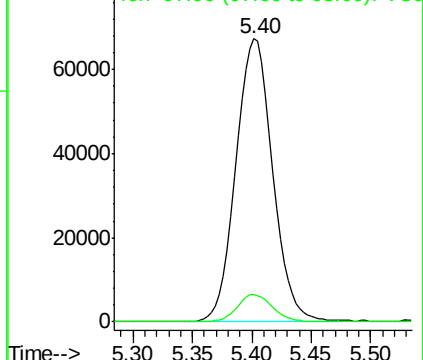
62 100

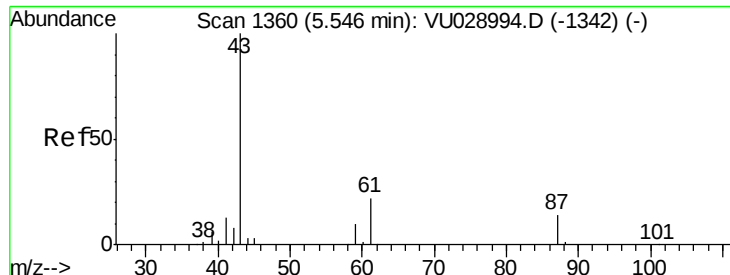
98 9.4 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VU029150.D (-1222) (-)

Ion 97.90 (97.60 to 98.60): VU029150.D (-1222) (-)





#43

Isopropyl Acetate

Concen: 55.832 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

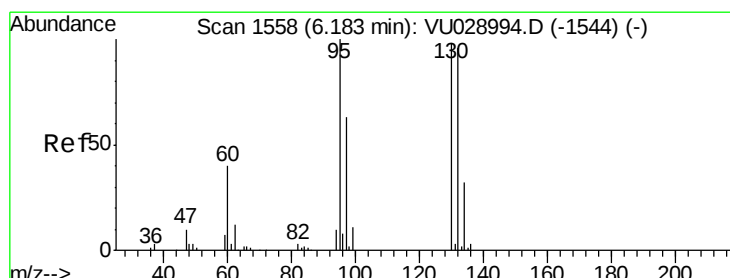
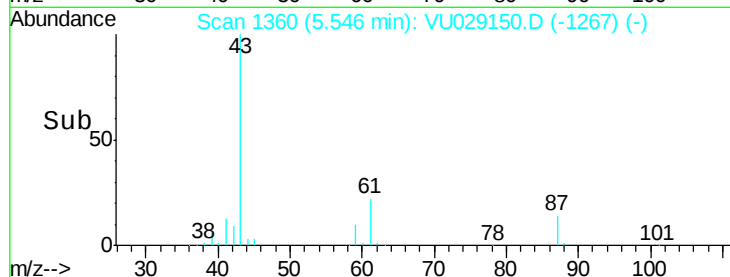
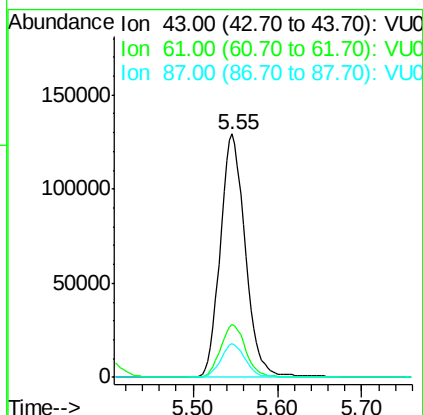
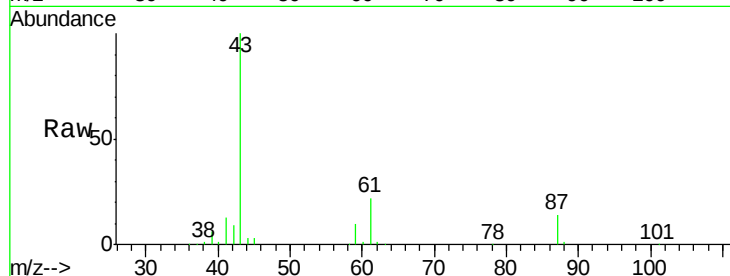
ClientSampleID :

VSTDCCC050EC

Tot Ion:	43	Resp:	264880
Ion	Ratio	Lower	Upper
43	100		
61	21.9	17.8	26.6
87	13.5	11.3	16.9

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#44

Trichloroethene

Concen: 49.738 ug/l

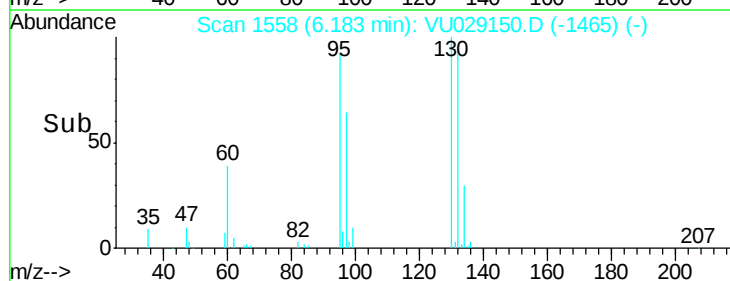
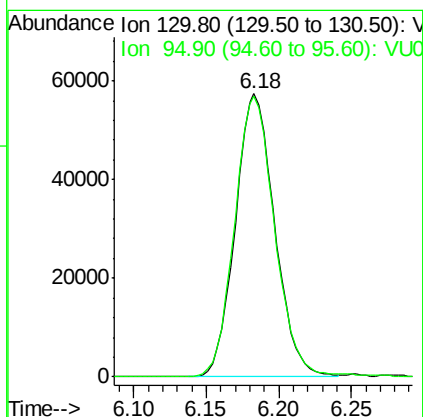
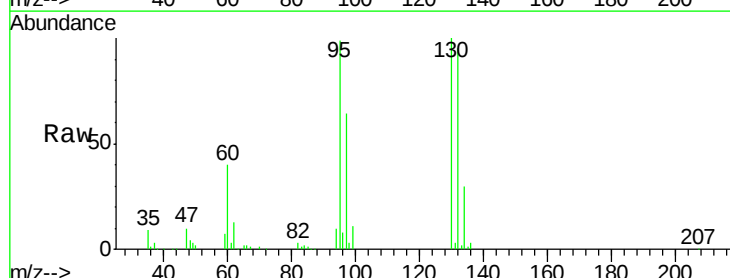
RT: 6.18 min Scan# 1558

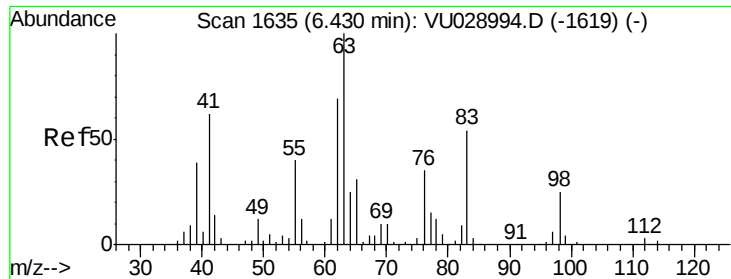
Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Tgt Ion:	130	Resp:	108310
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	205.0





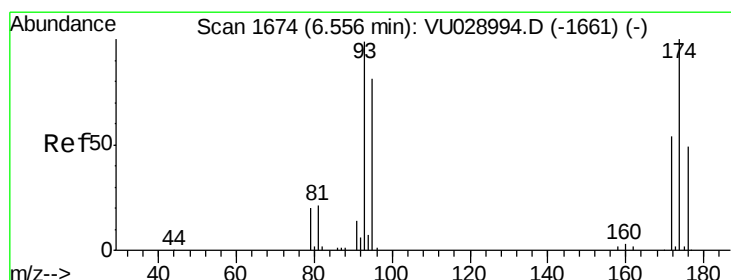
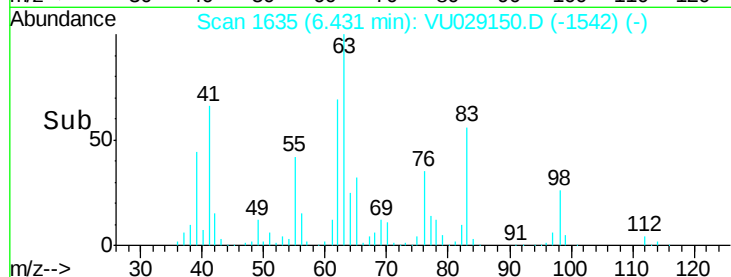
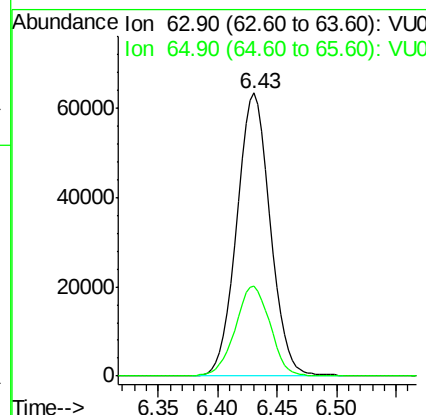
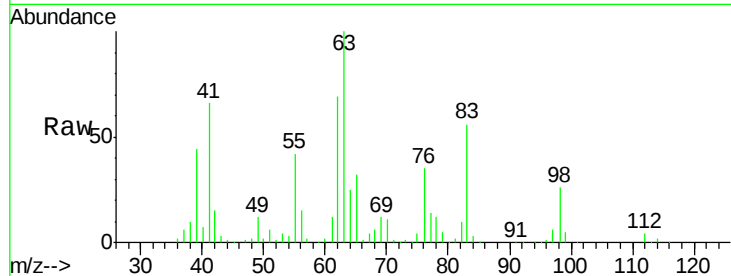
#45
 1,2-Dichloropropane
 Concen: 53.206 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 123487
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.1 37.7

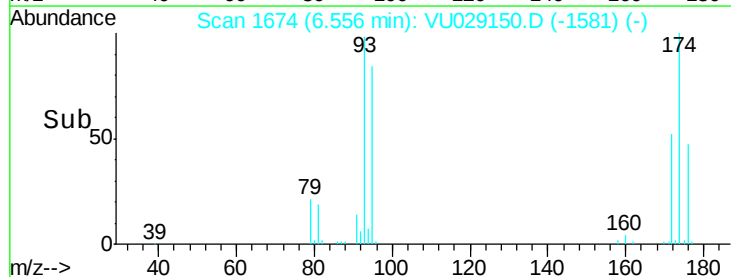
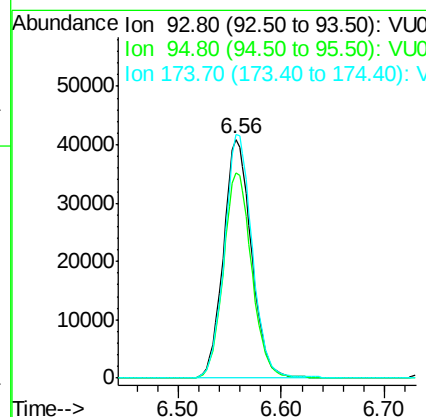
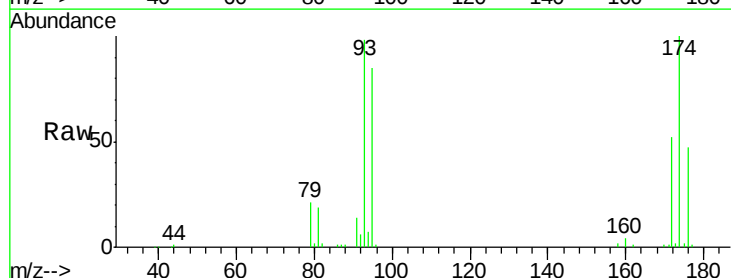
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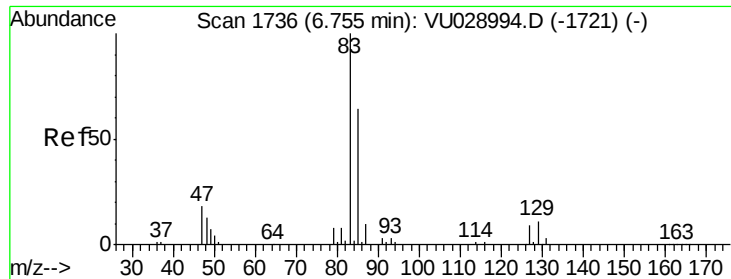
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#46
 Dibromomethane
 Concen: 52.057 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion: 93 Resp: 77236
 Ion Ratio Lower Upper
 93 100
 95 86.9 67.2 100.8
 174 100.5 82.6 123.8





#47

Bromodichloromethane

Concen: 53.601 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

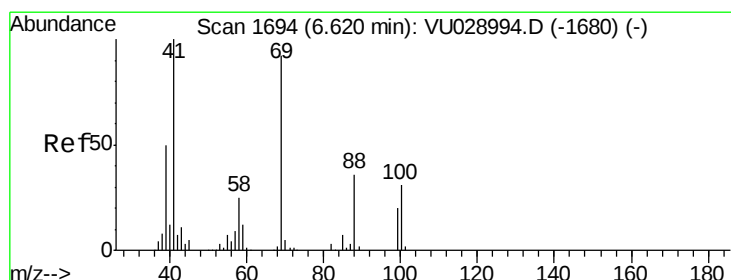
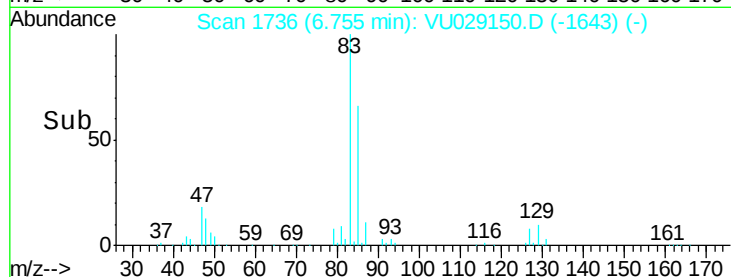
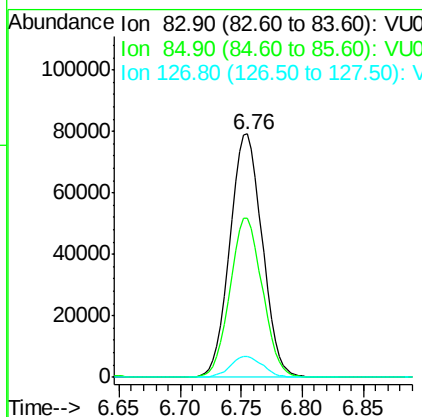
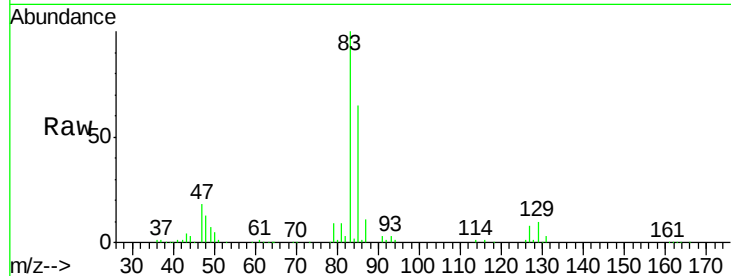
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	146422
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.4	77.2
127	8.4	7.0	10.4

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#48

Methyl methacrylate

Concen: 57.841 ug/l

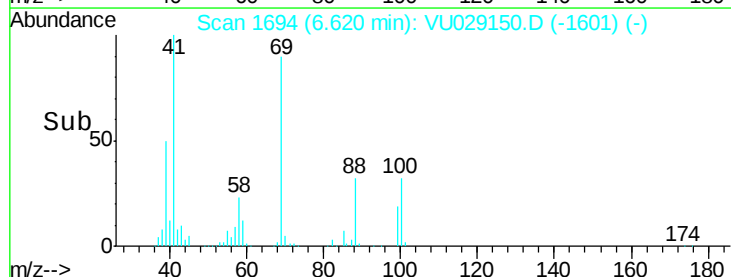
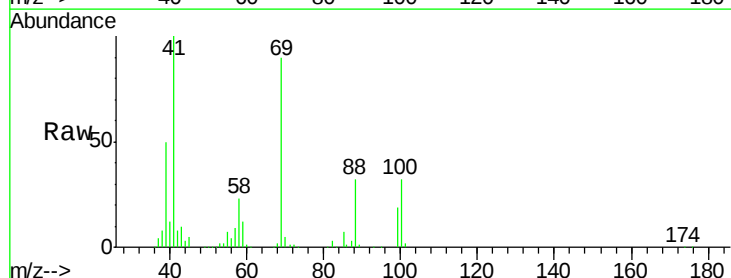
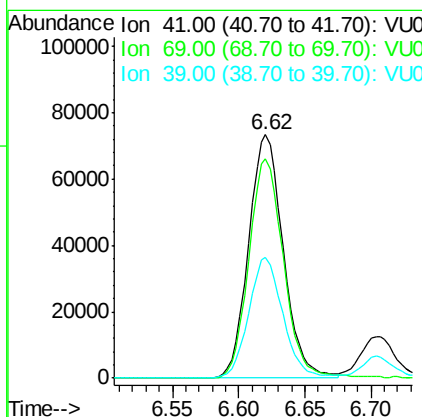
RT: 6.62 min Scan# 1694

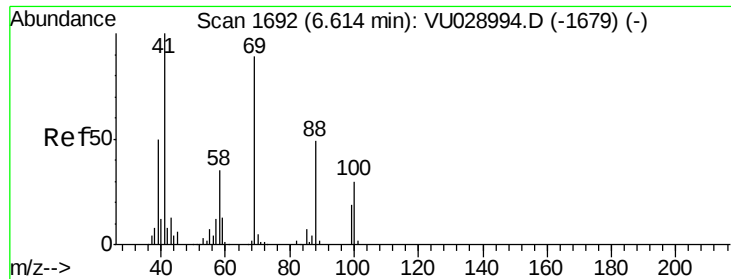
Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Tgt Ion:	41	Resp:	133617
Ion Ratio	Lower	Upper	
41	100		
69	90.1	73.6	110.4
39	49.1	39.6	59.4





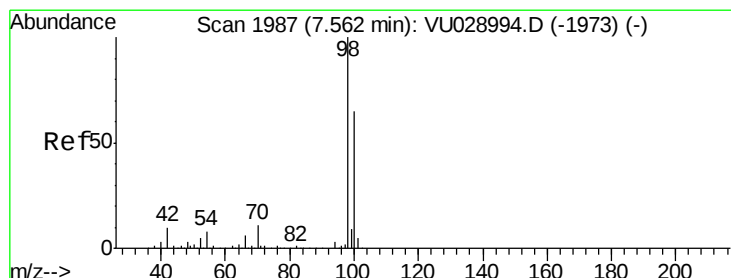
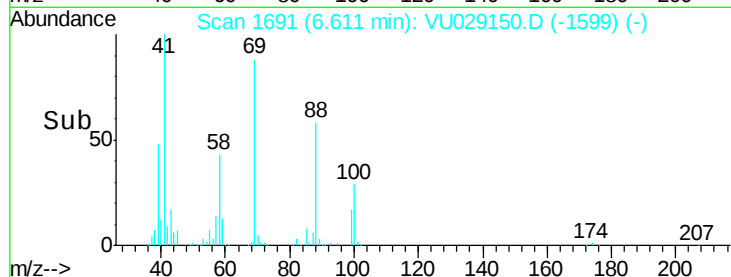
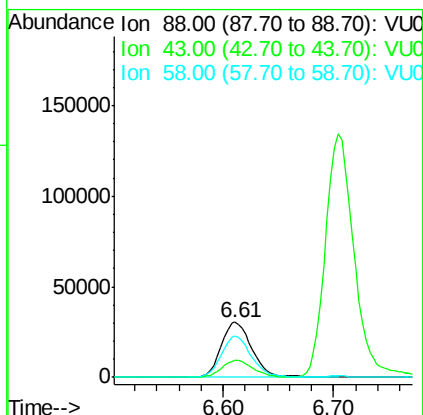
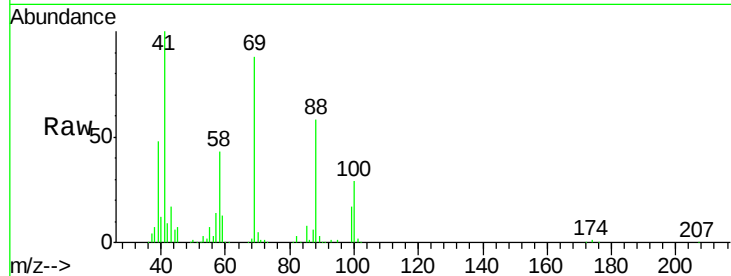
#49
1,4-Dioxane
Concen: 1062.262 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.5	23.0	34.4
58	73.4	57.9	86.9

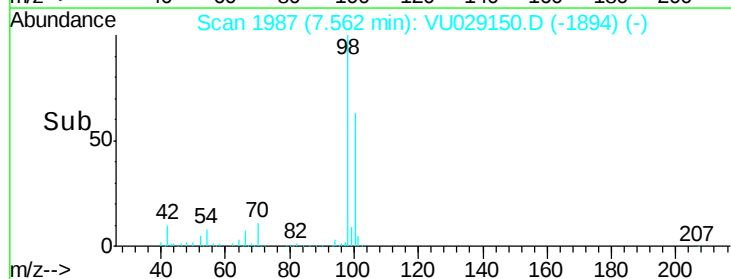
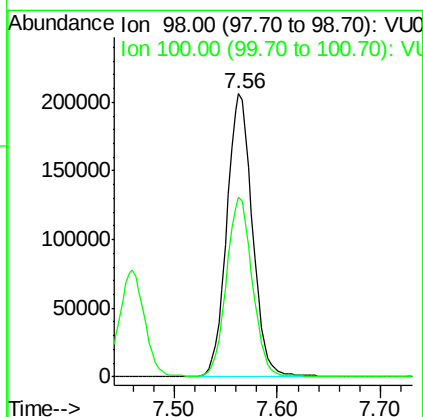
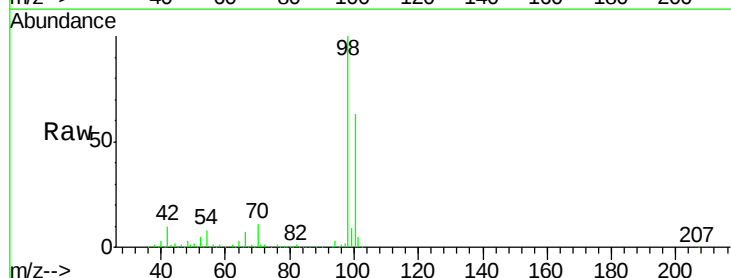
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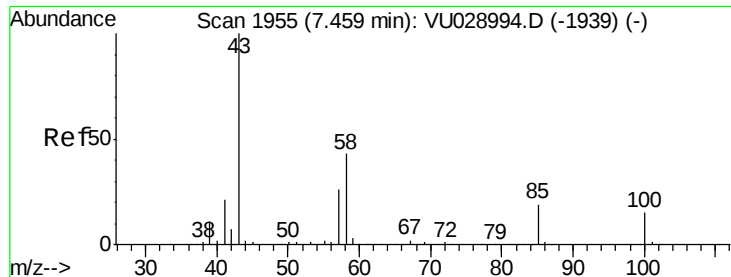
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#50
Toluene-d8
Concen: 49.638 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 282.070 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 910724

Ion Ratio Lower Upper

43 100

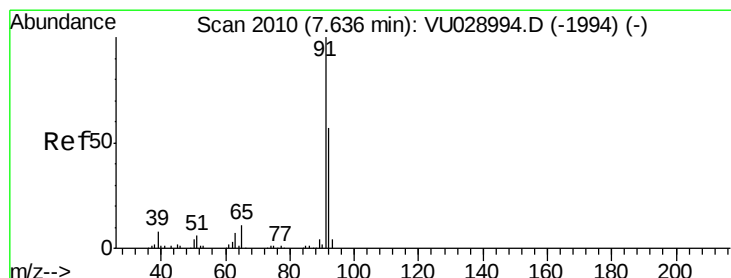
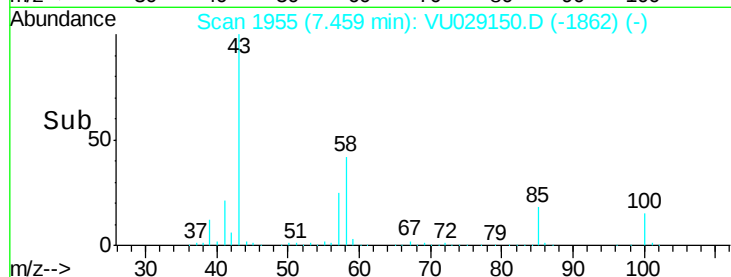
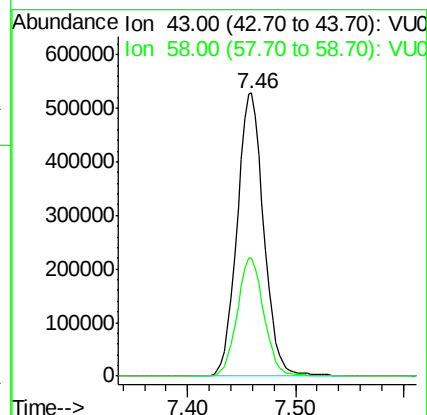
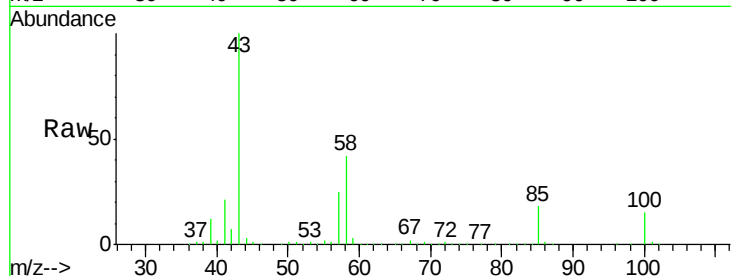
58 41.9 33.9 50.9

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#52

Toluene

Concen: 51.200 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029150.D

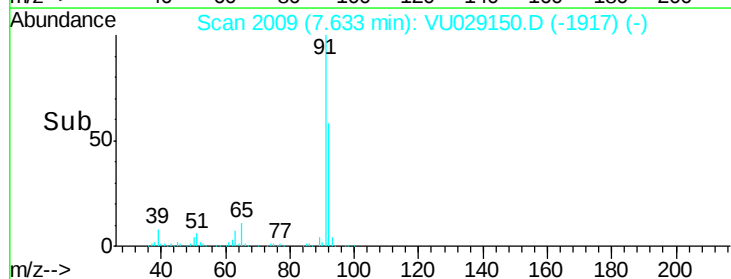
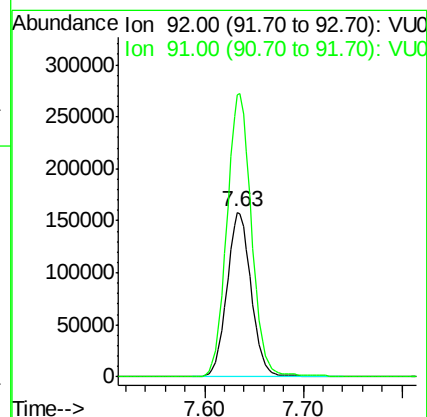
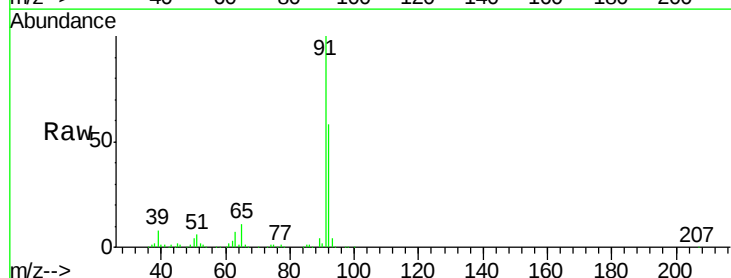
Acq: 11 Jan 2019 18:42

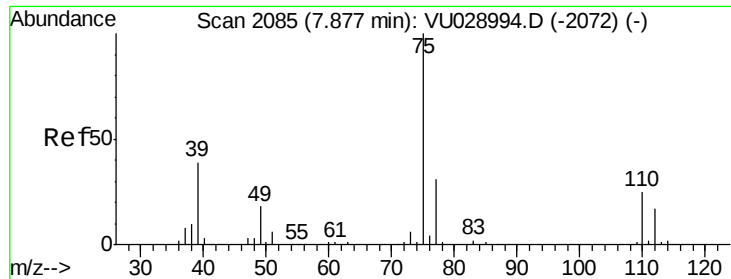
Tgt Ion: 92 Resp: 273935

Ion Ratio Lower Upper

92 100

91 174.7 139.8 209.8





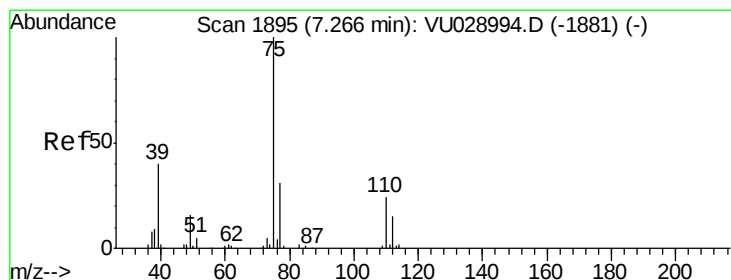
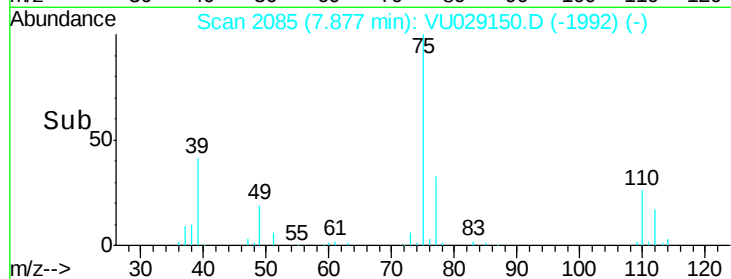
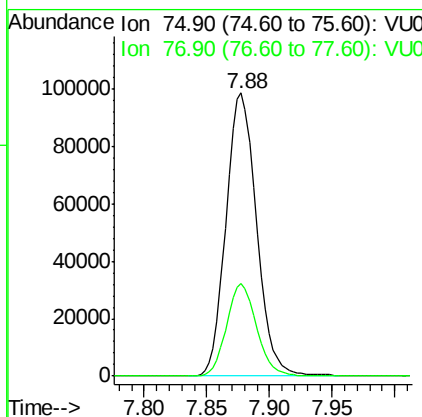
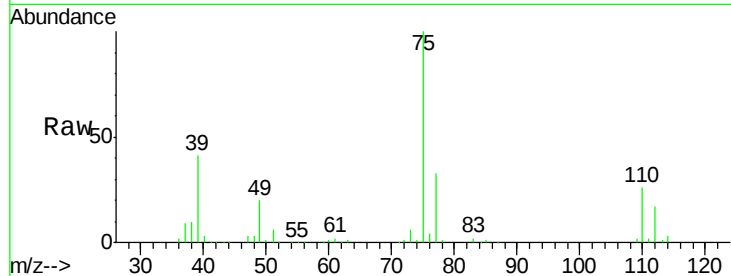
#53
t-1,3-Dichloropropene
Concen: 50.891 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.0	37.4

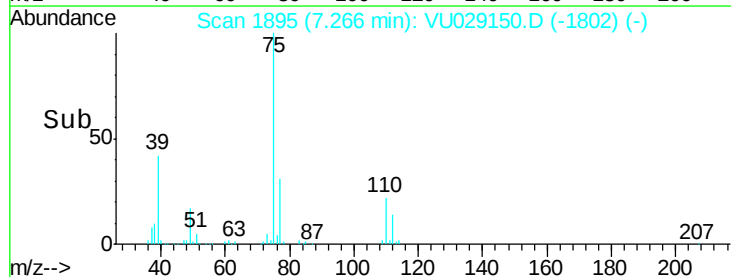
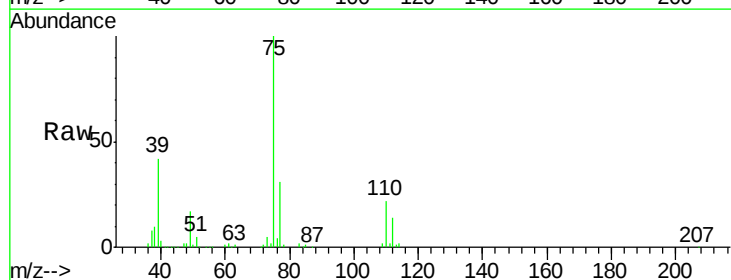
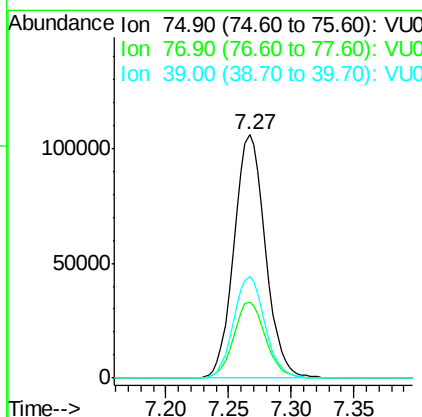
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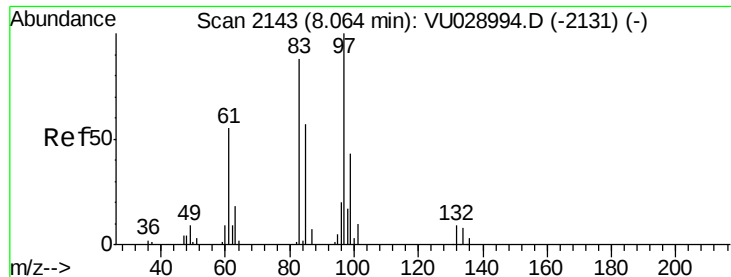
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#54
cis-1,3-Dichloropropene
Concen: 52.031 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6
39	41.6	32.2	48.4





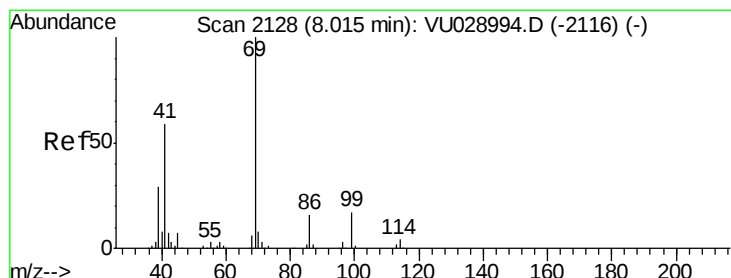
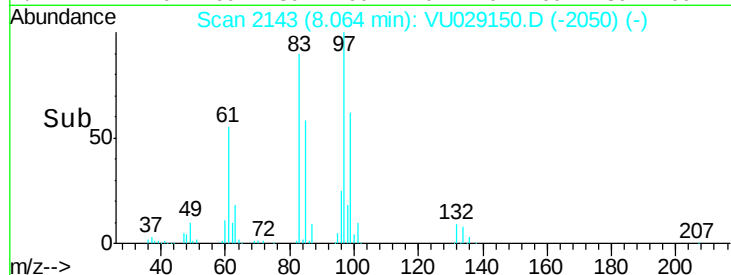
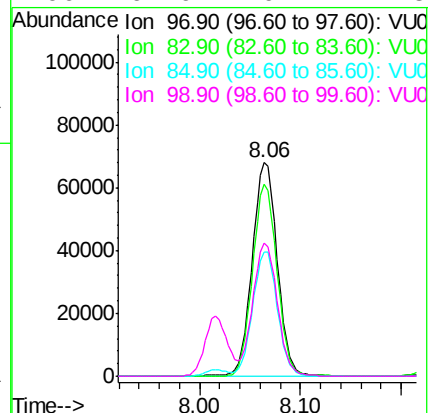
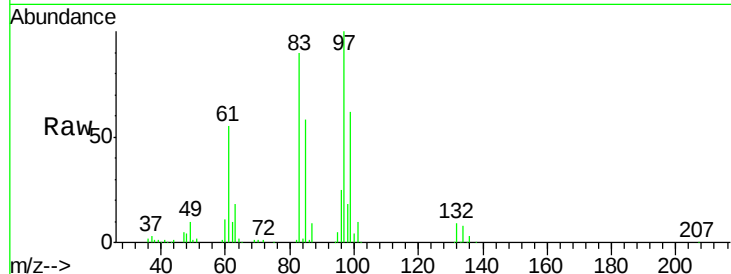
#55
 1,1,2-Trichloroethane
 Concen: 54.214 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.1	69.8	104.8
85	57.9	47.3	70.9
99	61.9	49.7	74.5

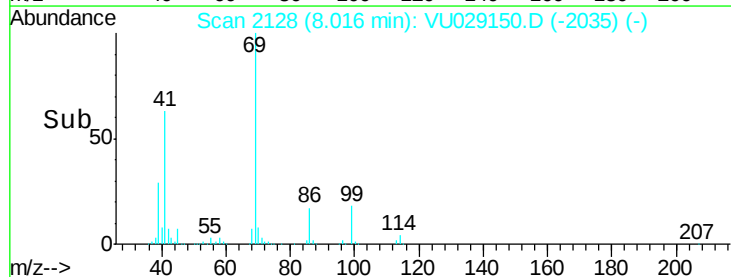
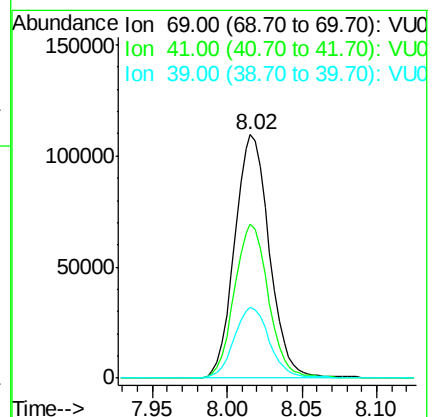
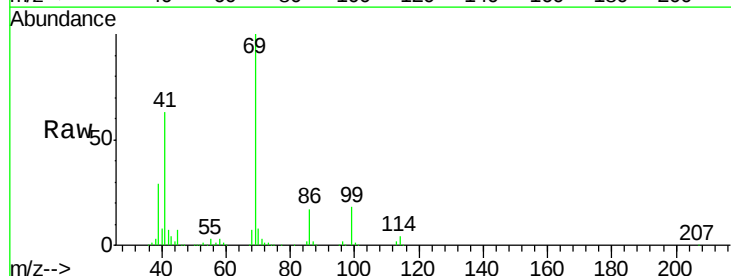
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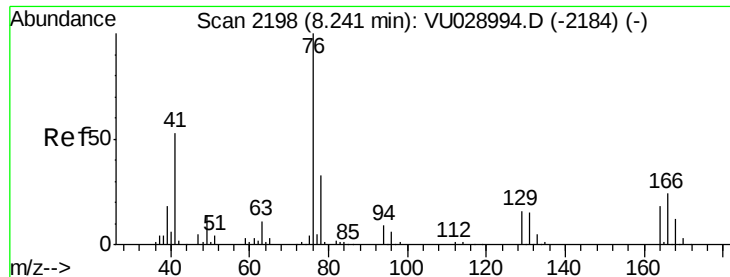
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#56
 Ethyl methacrylate
 Concen: 53.508 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.4	47.5	71.3
39	29.2	22.5	33.7





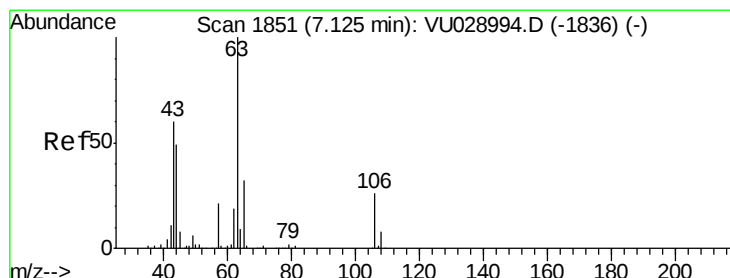
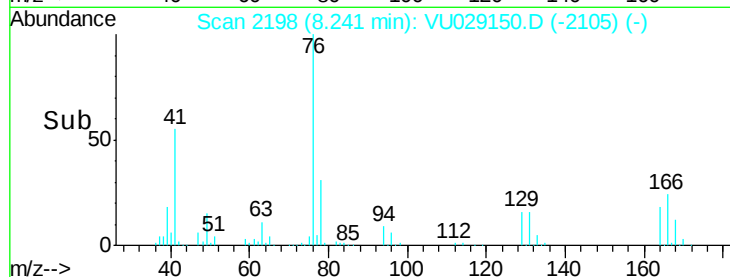
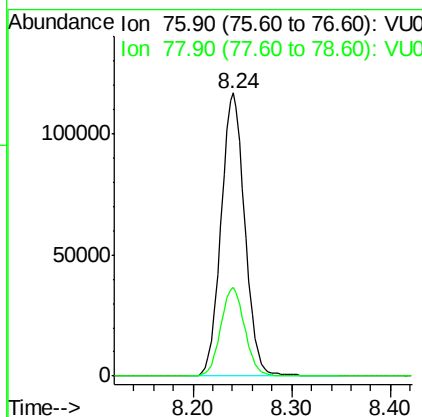
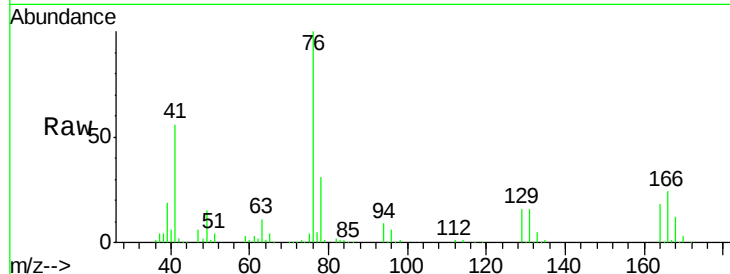
#57
 1,3-Dichloropropane
 Concen: 53.914 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.0	39.0

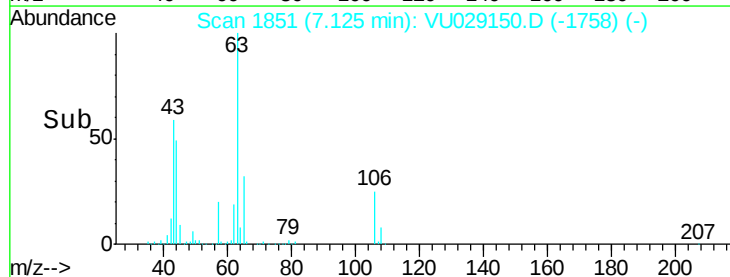
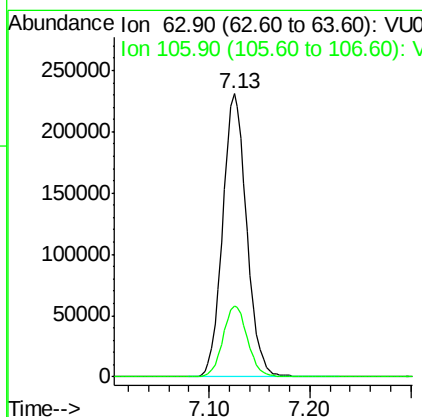
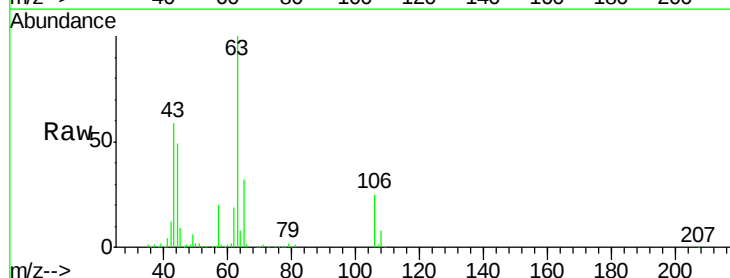
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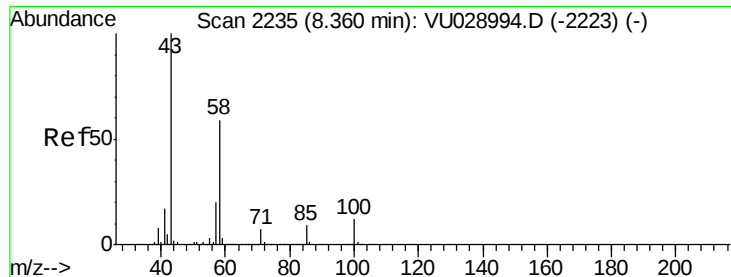
MMDadoda
 1/14/2019 10:59:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.910 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.5	20.6	31.0





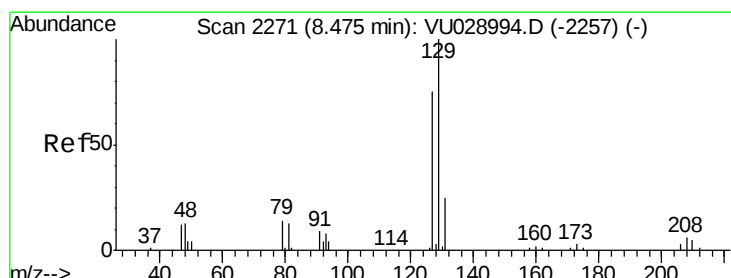
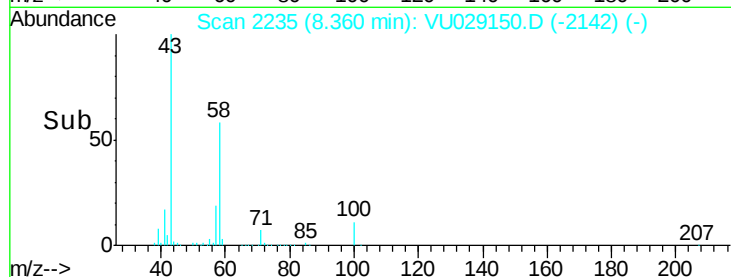
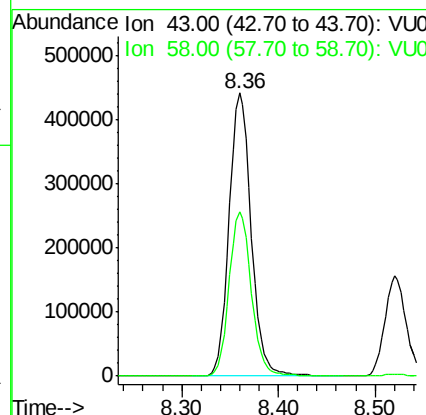
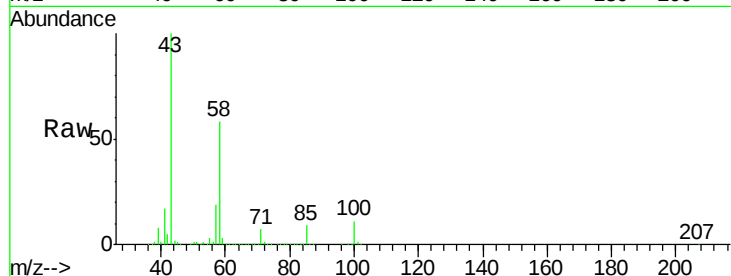
#59
2-Hexanone
Concen: 276.785 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	701491
Ion Ratio	100	Lower	Upper
43	100		
58	58.7	29.8	89.4

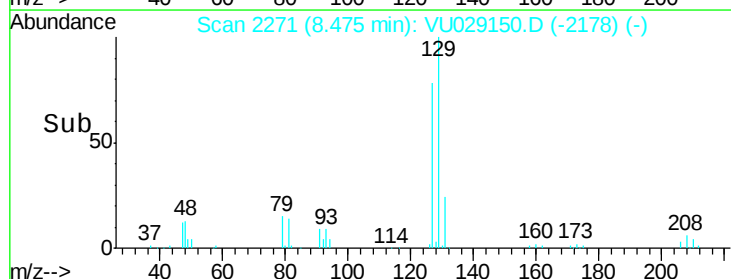
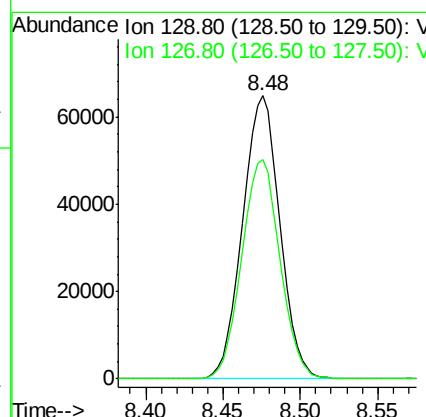
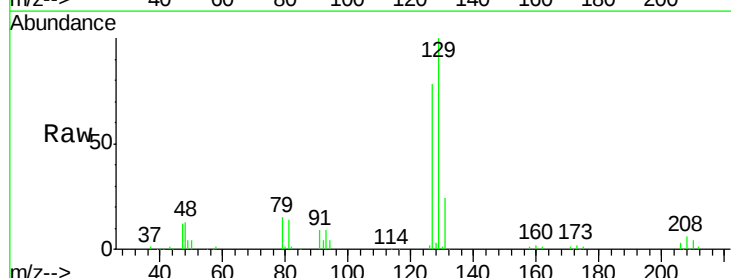
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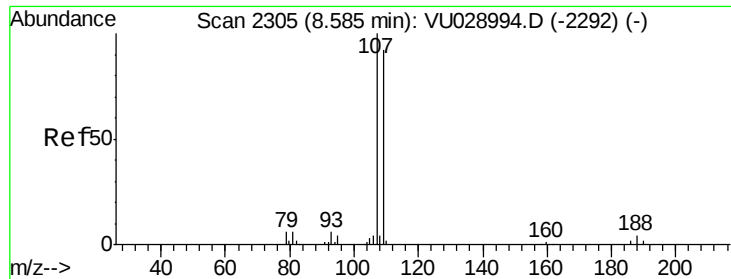
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#60
Dibromochloromethane
Concen: 51.376 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion	129	Resp	109097
Ion Ratio	100	Lower	Upper
129	100		
127	79.4	38.0	114.0





#61

1,2-Dibromoethane

Concen: 52.150 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 121231

Ion Ratio Lower Upper

107 100

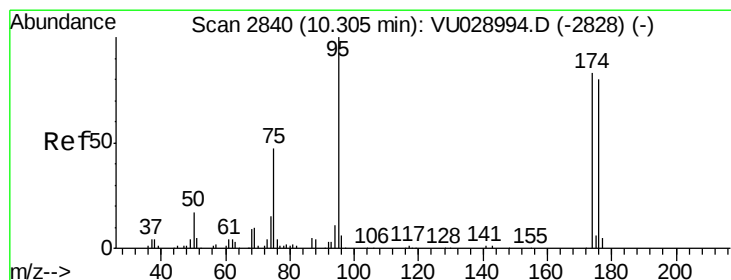
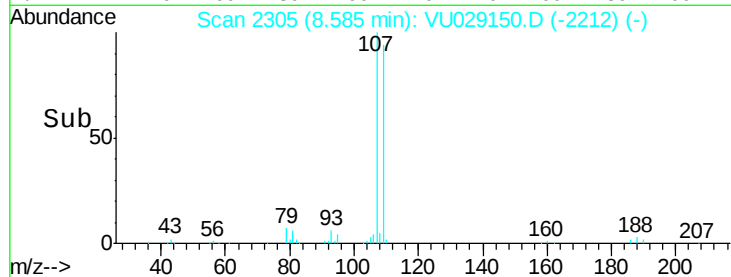
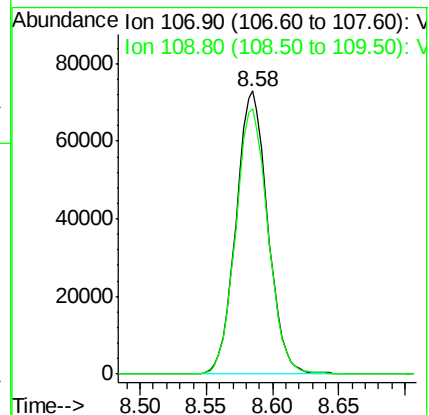
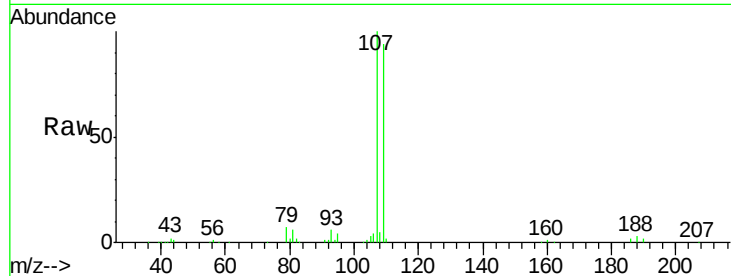
109 95.7 75.5 113.3

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#62

4-Bromofluorobenzene

Concen: 48.779 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

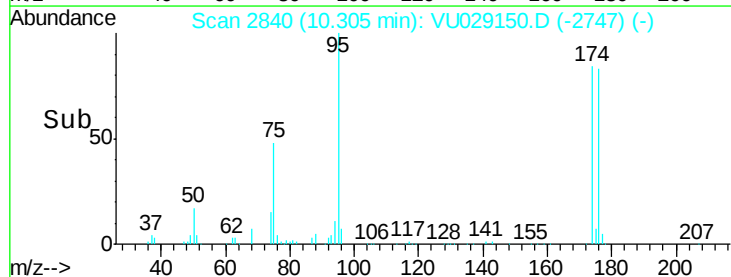
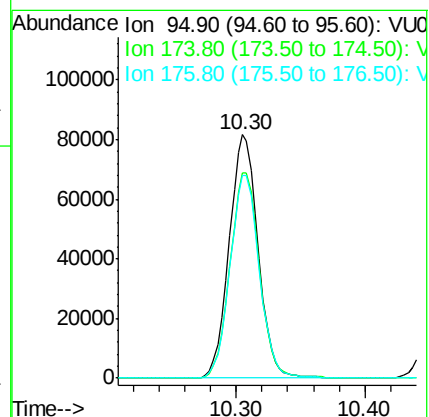
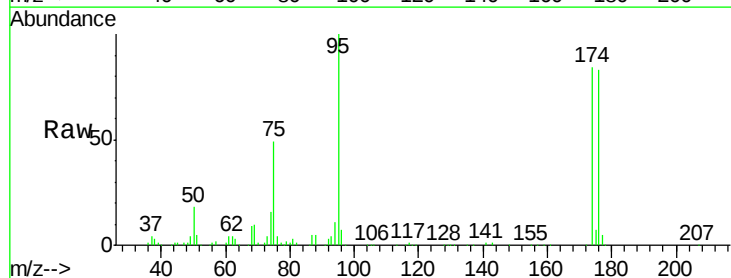
Tgt Ion: 95 Resp: 126460

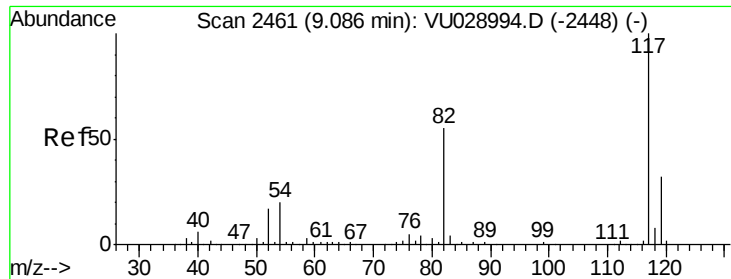
Ion Ratio Lower Upper

95 100

174 86.0 0.0 170.6

176 84.6 0.0 165.0





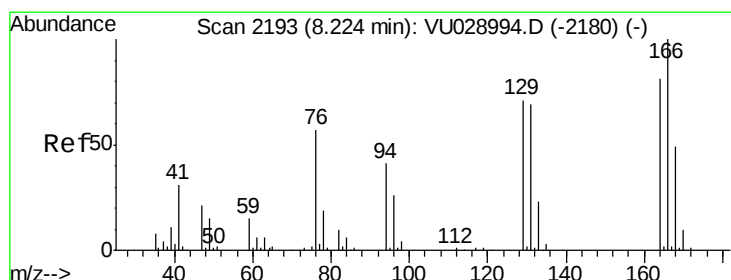
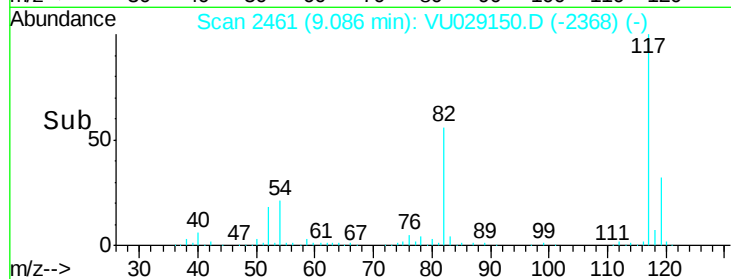
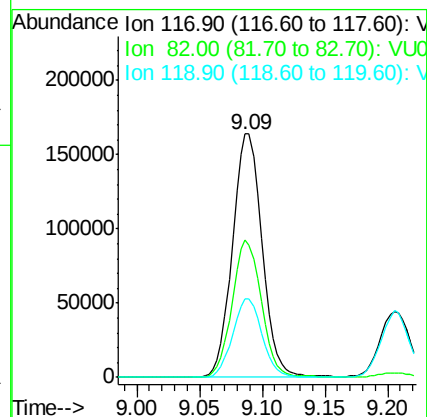
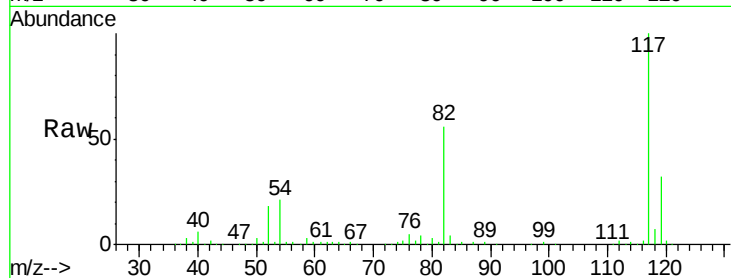
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	270450		
82	56.2	43.9	65.9	
119	32.5	26.0	39.0	

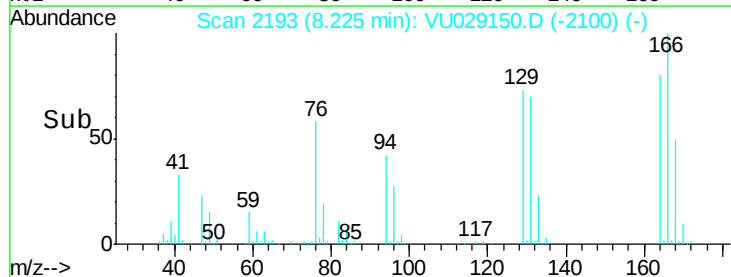
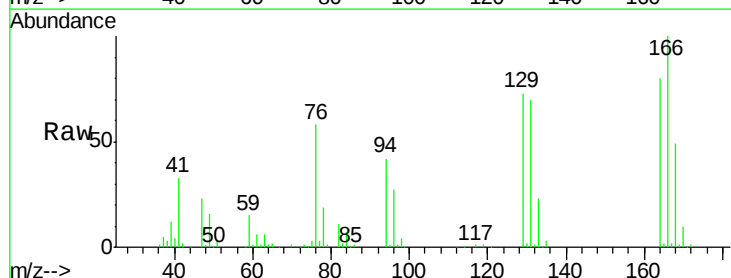
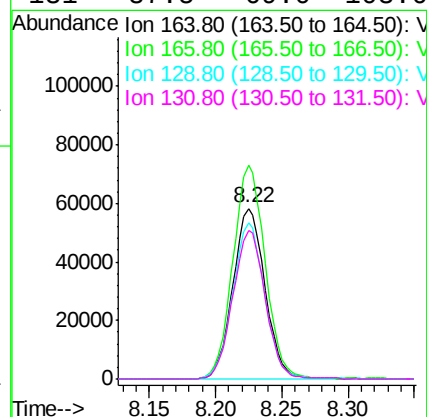
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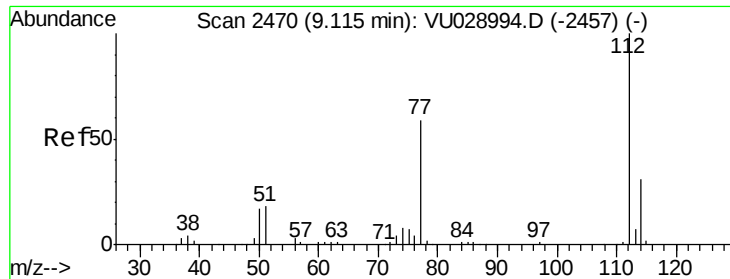
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#64
Tetrachloroethene
Concen: 50.412 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	98212		
166	125.3	99.4	149.0	
129	91.6	70.5	105.7	
131	87.5	69.0	103.6	





#65

Chlorobenzene

Concen: 48.779 ug/l

RT: 9.12 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 295711

Ion Ratio Lower Upper

112 100

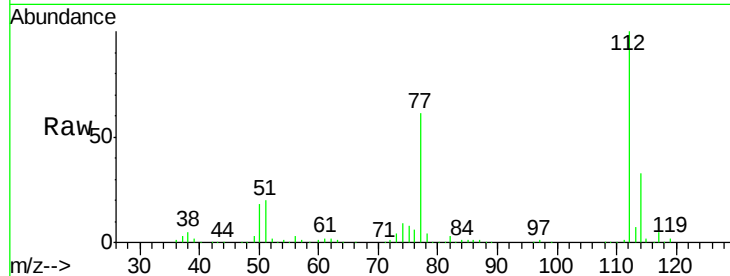
114 32.6 25.0 37.6

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.12

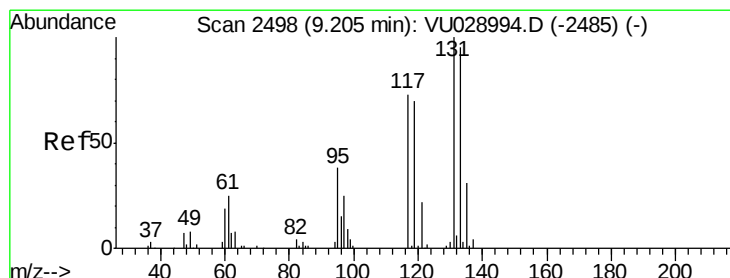
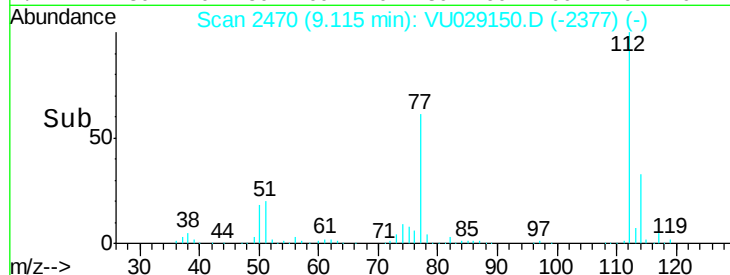
150000

100000

50000

0

Time--> 9.00 9.10 9.20 9.30



#66

1,1,1,2-Tetrachloroethane

Concen: 51.463 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

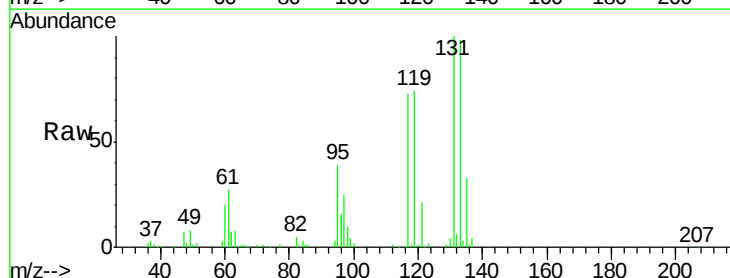
Tgt Ion:131 Resp: 101244

Ion Ratio Lower Upper

131 100

133 96.4 48.2 144.6

119 70.7 35.4 106.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

9.21

80000

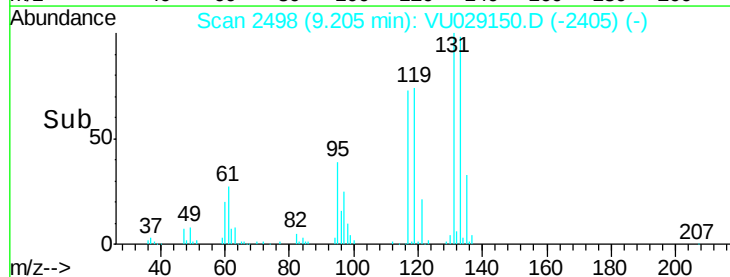
60000

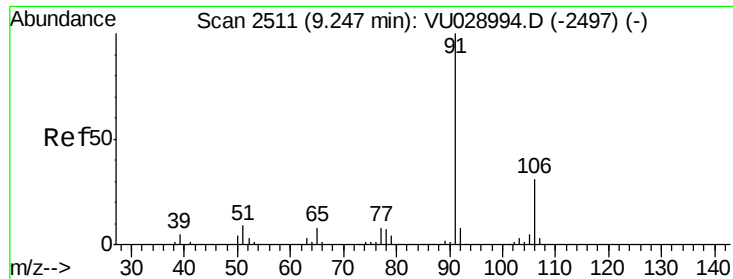
40000

20000

0

Time--> 9.15 9.20 9.25 9.30





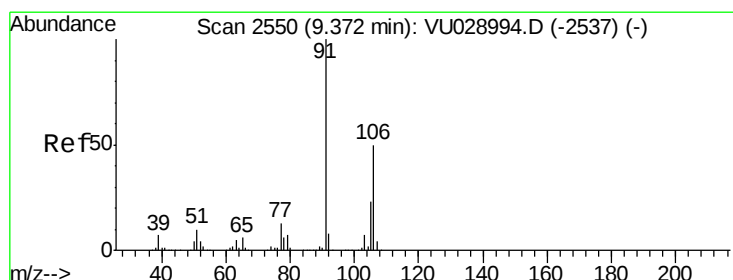
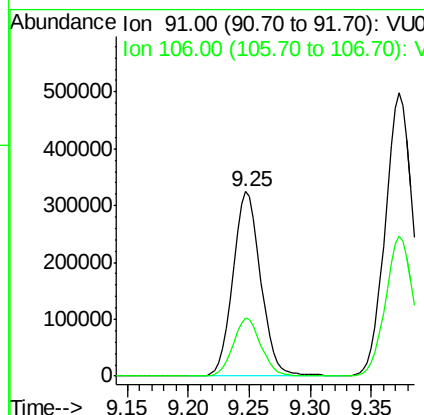
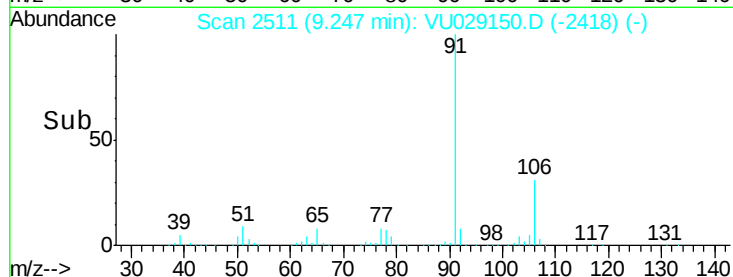
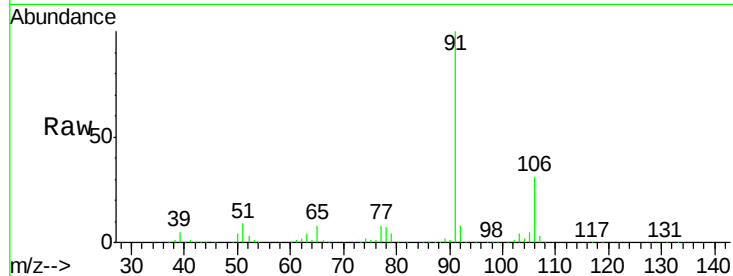
#67
Ethyl Benzene
Concen: 51.076 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 516957
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4

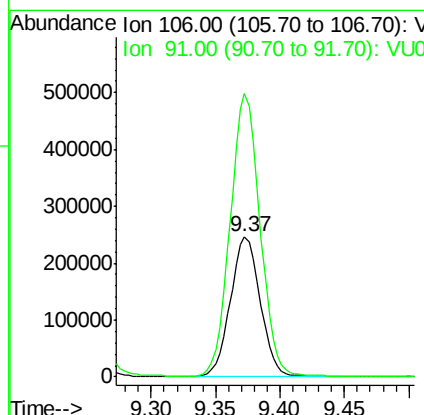
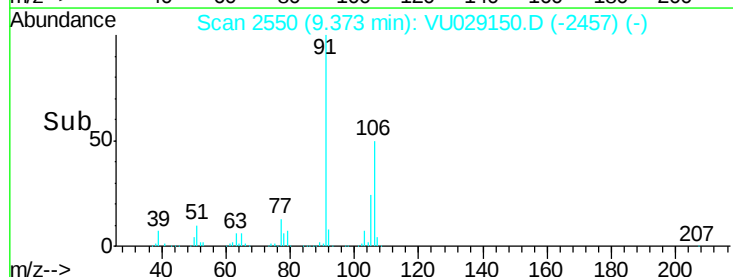
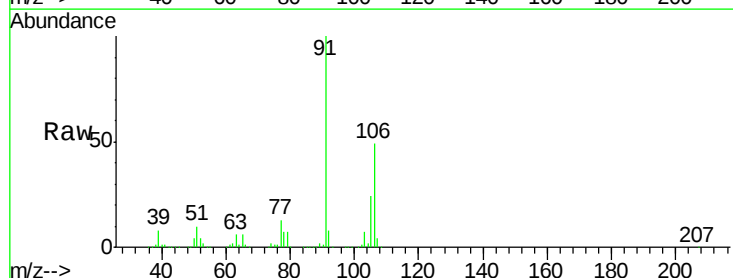
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#68
m/p-Xylenes
Concen: 100.567 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion: 106 Resp: 395489
Ion Ratio Lower Upper
106 100
91 203.7 161.7 242.5





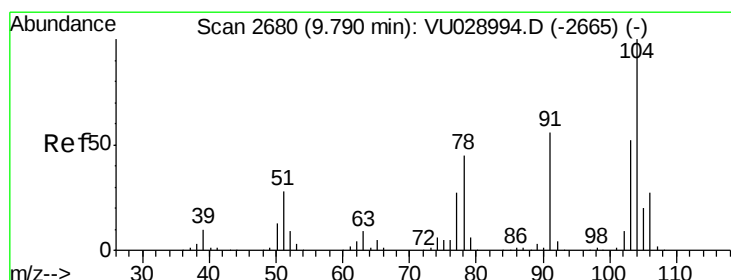
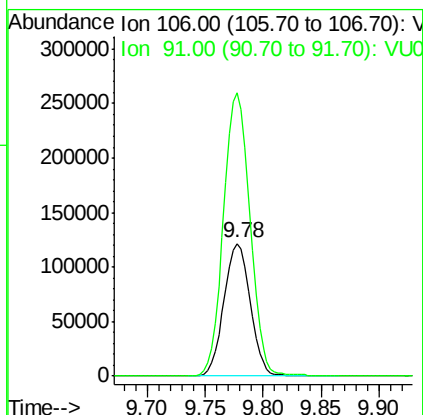
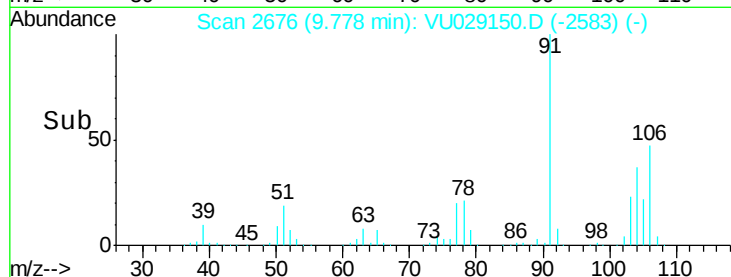
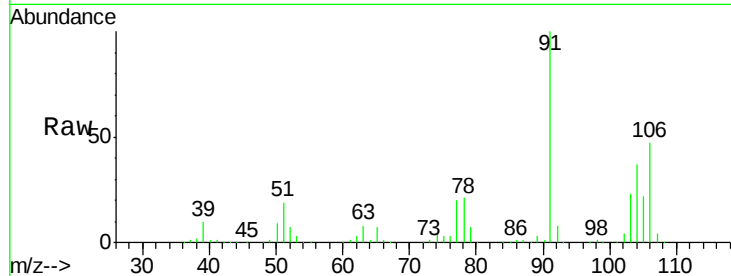
#69
o-Xylene
Concen: 50.574 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 191637
Ion Ratio Lower Upper
106 100
91 214.4 106.1 318.3

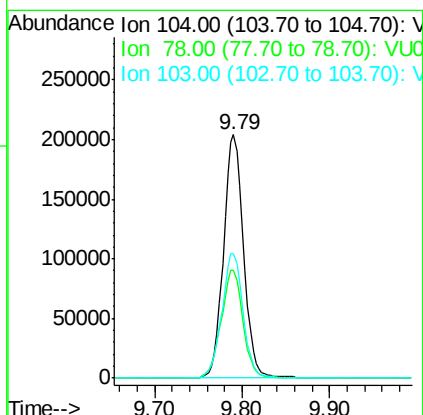
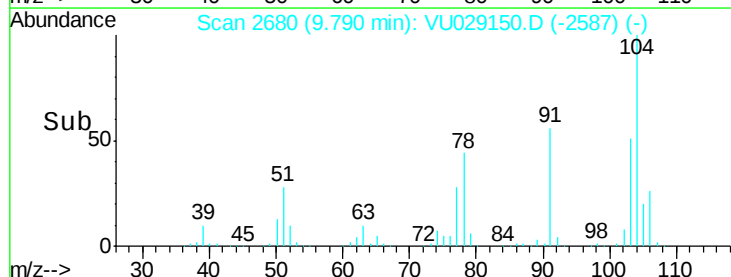
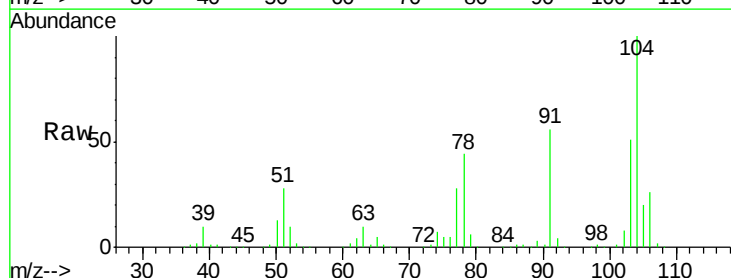
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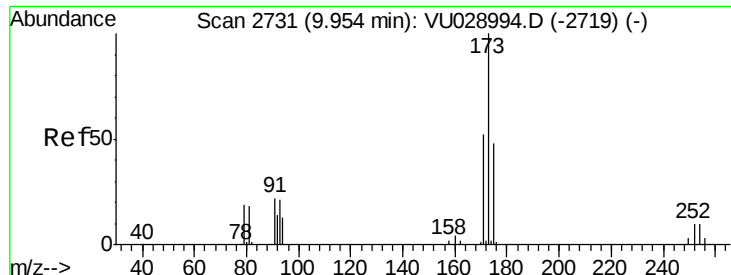
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#70
Styrene
Concen: 52.263 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion:104 Resp: 324648
Ion Ratio Lower Upper
104 100
78 48.4 38.6 58.0
103 54.6 44.5 66.7





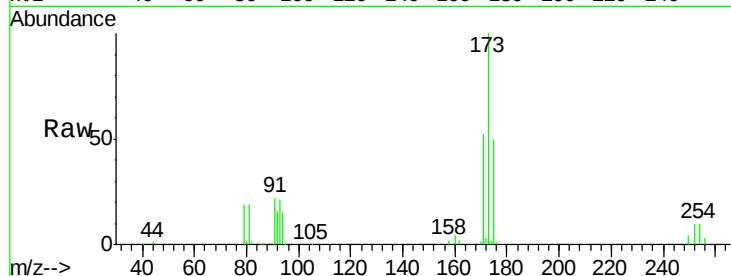
#71
Bromoform
Concen: 50.844 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

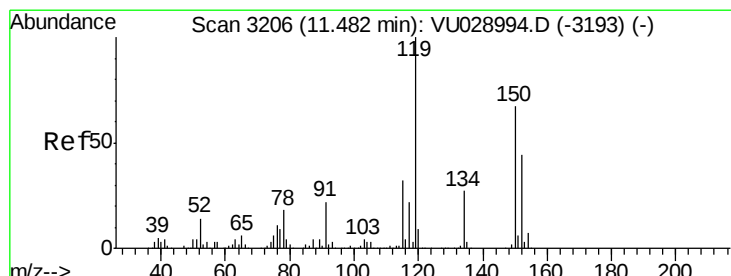
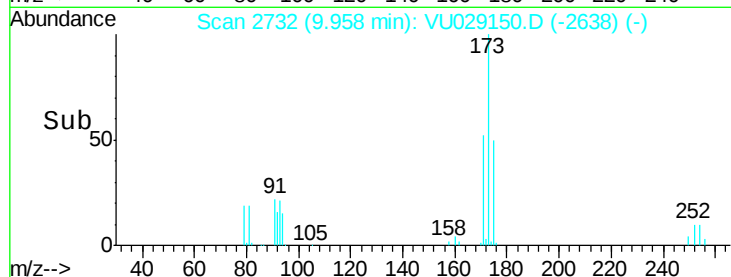
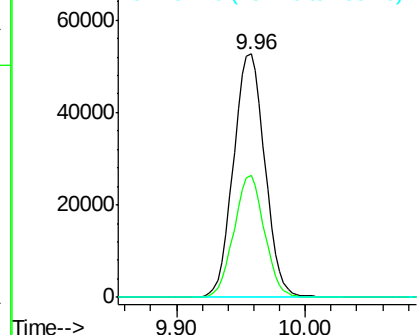
Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	48.5	23.8	71.2	
254	0.0	0.0	0.0	

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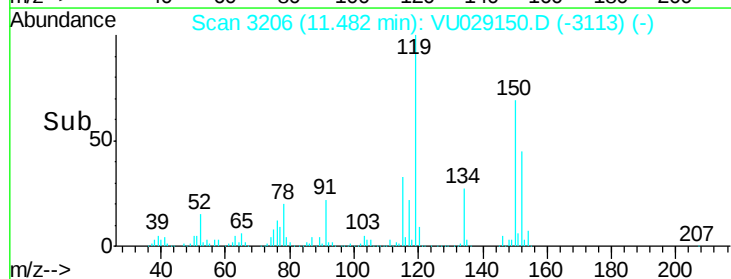
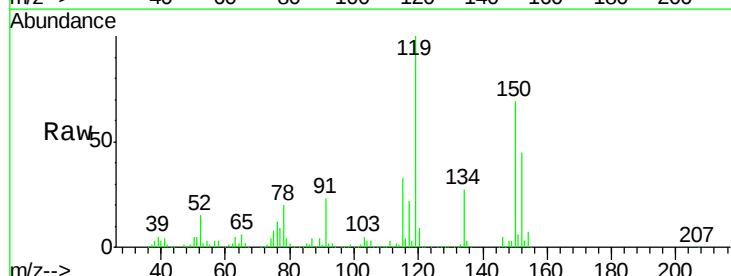
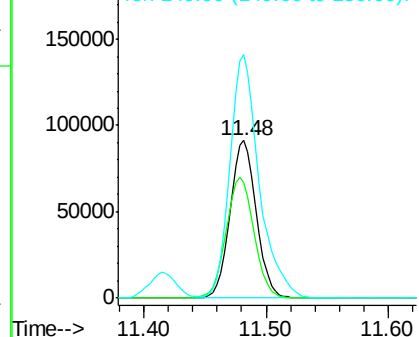
Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

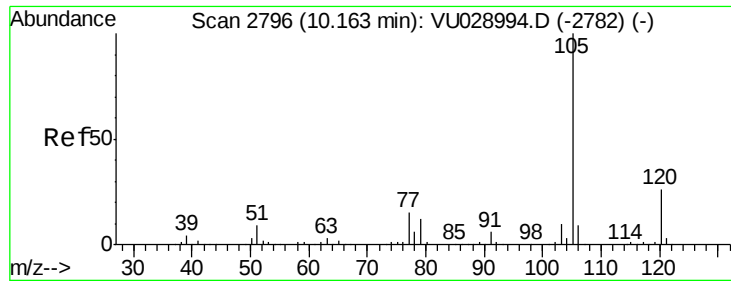


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	81.9	40.1	120.3	
150	172.8	0.0	345.2	

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: 50.127 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 509332

Ion Ratio Lower Upper

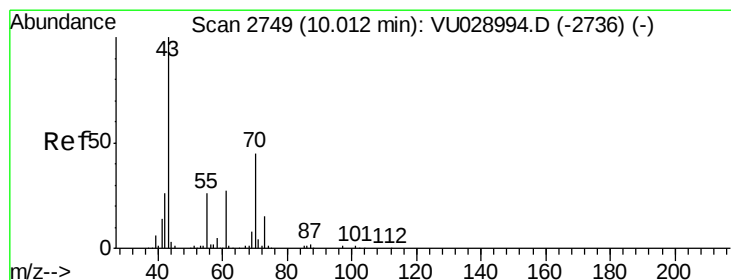
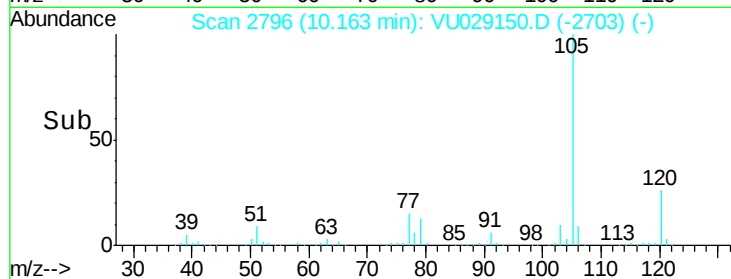
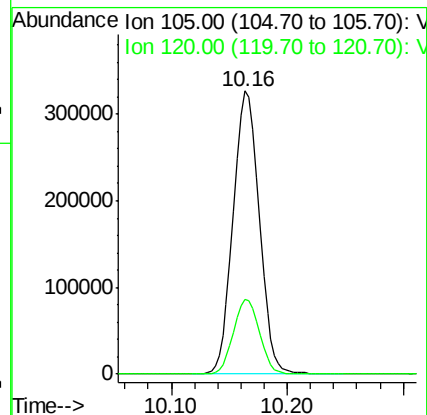
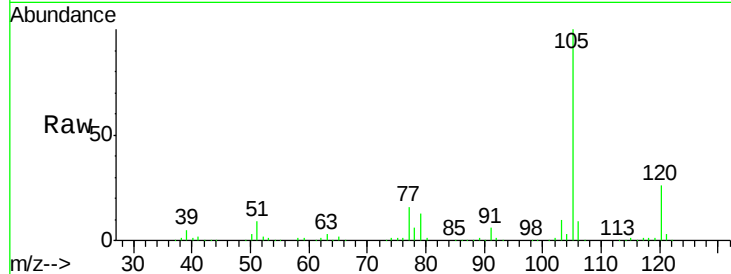
105 100

120 26.2 13.2 39.5

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#74

N-ethyl acetate

Concen: 52.318 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Tgt Ion: 43 Resp: 229071

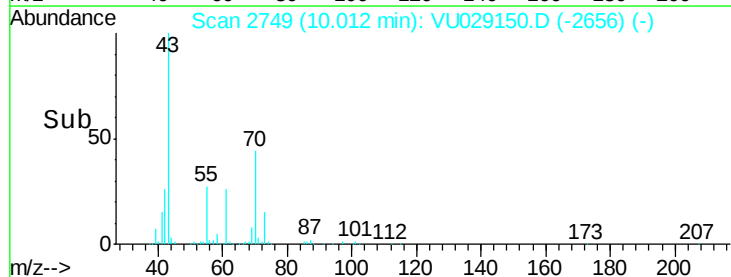
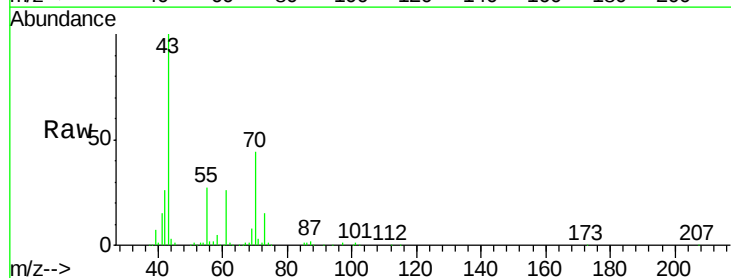
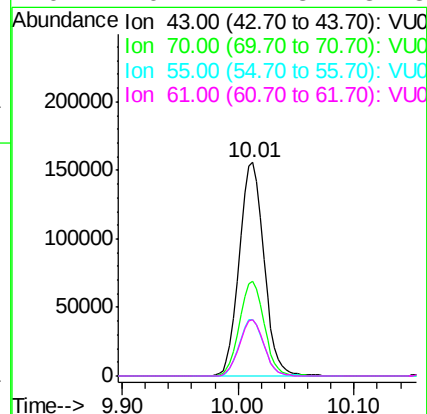
Ion Ratio Lower Upper

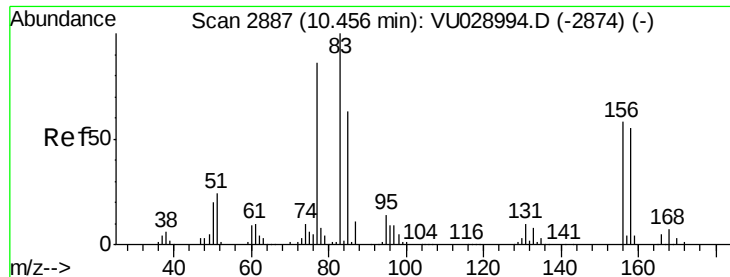
43 100

70 44.2 36.3 54.5

55 26.3 20.5 30.7

61 26.2 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.820 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

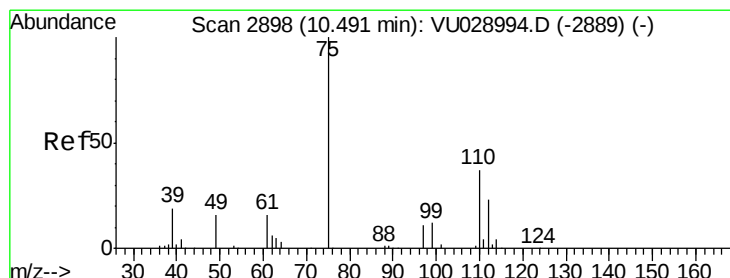
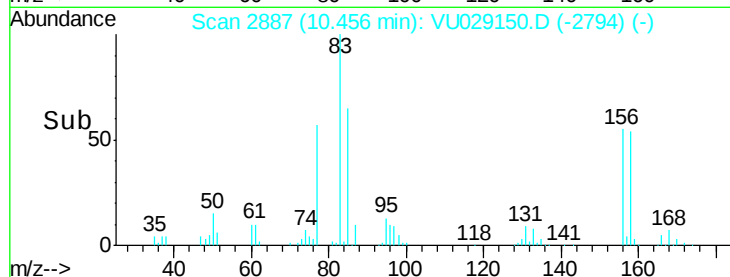
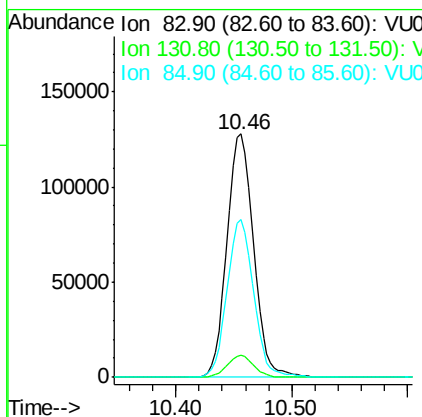
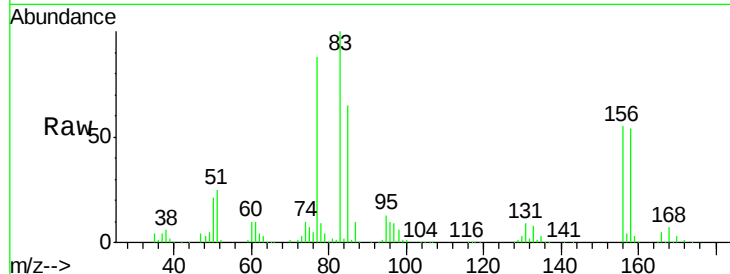
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	202880
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.7	14.1
85	64.7	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 52.198 ug/l m

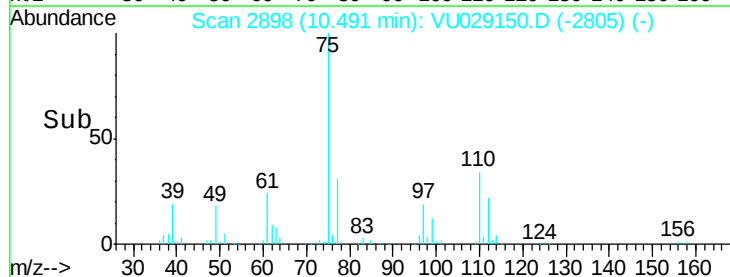
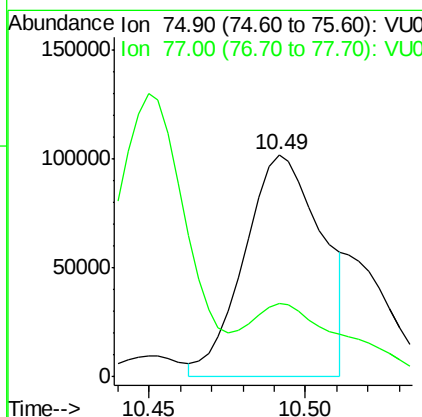
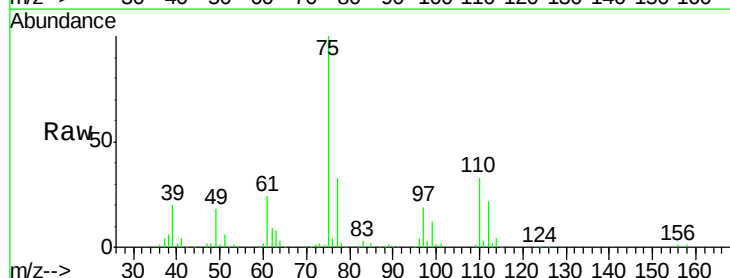
RT: 10.49 min Scan# 2898

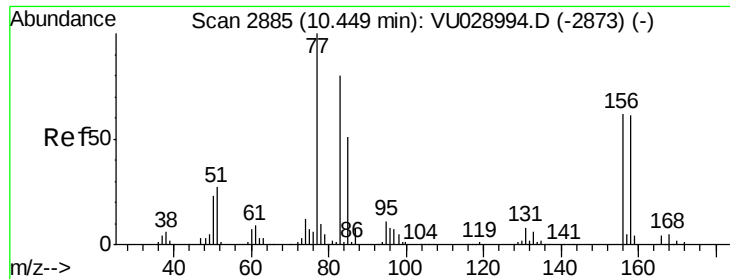
Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Tgt Ion:	75	Resp:	175566
Ion Ratio	Lower	Upper	
75	100		
77	40.1	20.9	62.8





#77

Bromobenzene

Concen: 48.561 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 128584

Ion Ratio Lower Upper

156 100

77 162.4 79.0 237.2

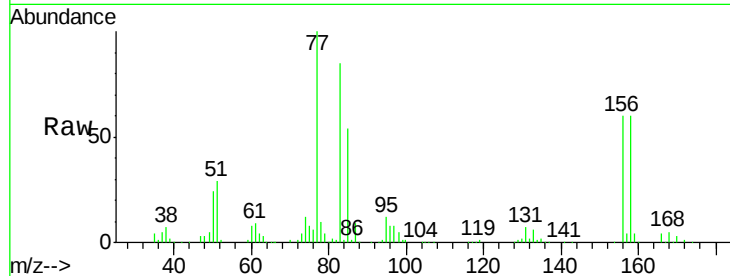
158 97.4 48.9 146.6

Manual Integrations

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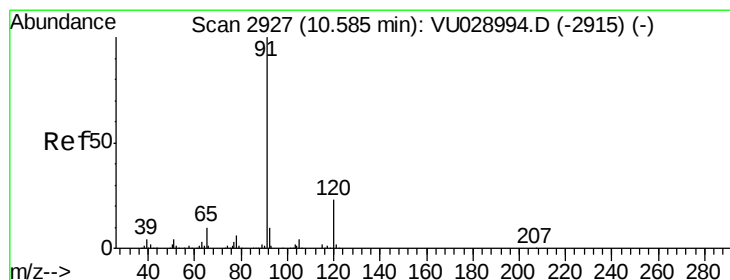
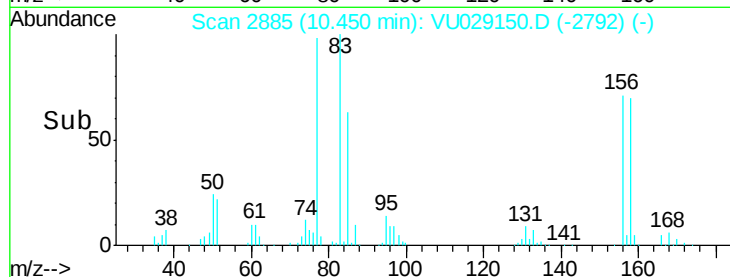
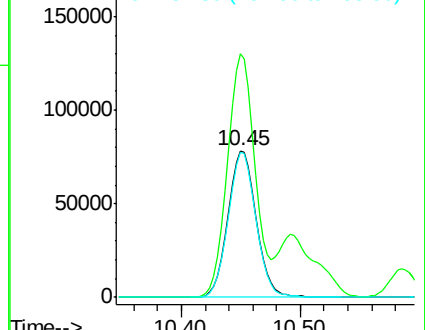
1/14/2019 10:59:11 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.971 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029150.D

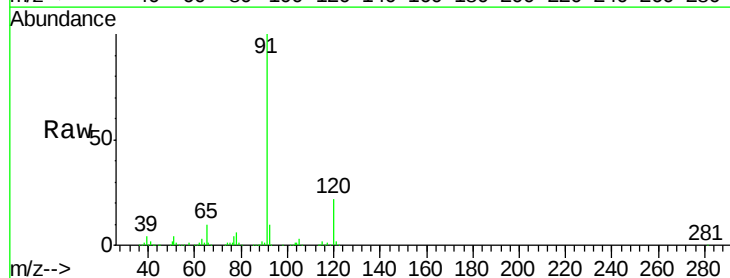
Acq: 11 Jan 2019 18:42

Tgt Ion: 91 Resp: 610335

Ion Ratio Lower Upper

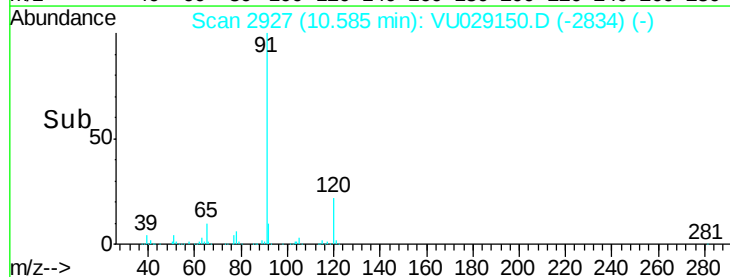
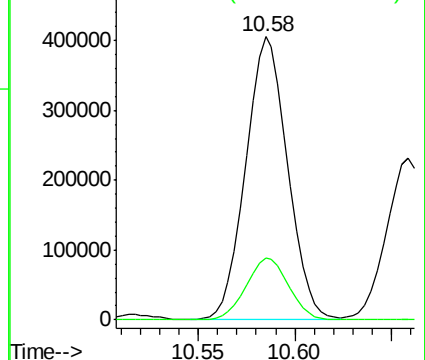
91 100

120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.262 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 357824

Ion Ratio Lower Upper

91 100

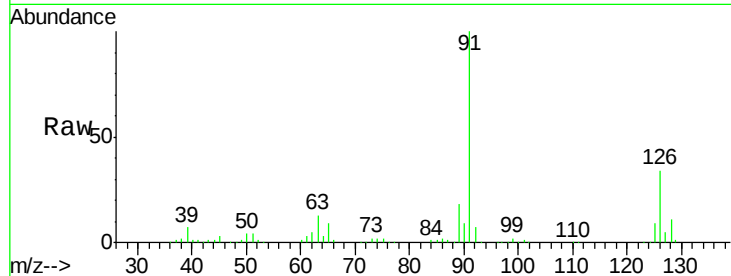
126 34.1 16.8 50.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028994.D (-2939) (-)

400000

300000

200000

100000

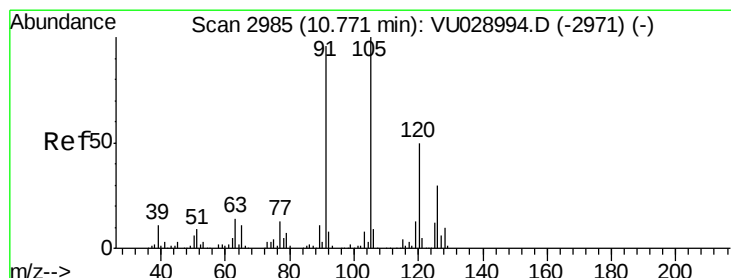
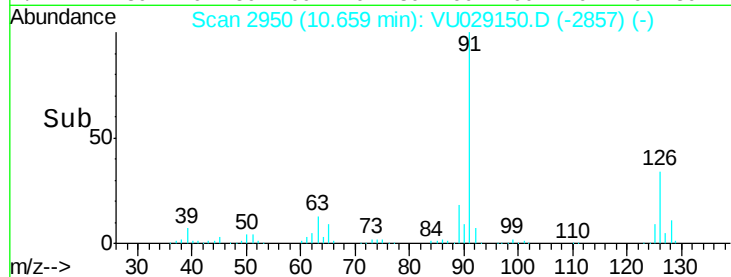
0

10.60

10.65

10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.362 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029150.D

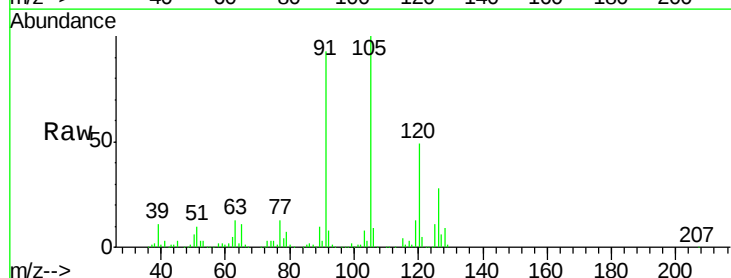
Acq: 11 Jan 2019 18:42

Tgt Ion: 105 Resp: 427323

Ion Ratio Lower Upper

105 100

120 48.8 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VU028994.D (-2971) (-)

Ion 120.00 (119.70 to 120.70): VU028994.D (-2971) (-)

300000

200000

100000

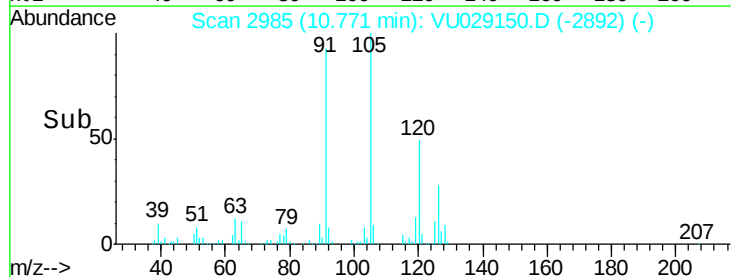
0

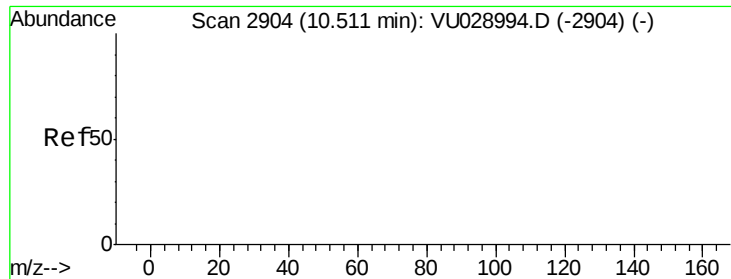
10.70

10.75

10.80

Time-->





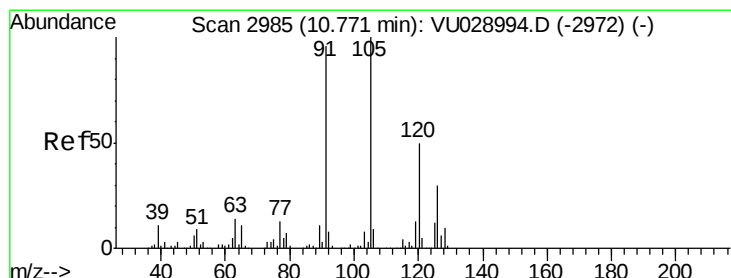
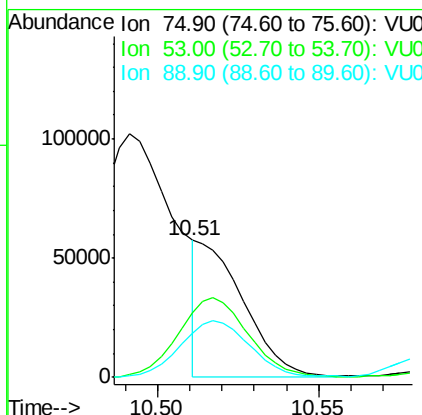
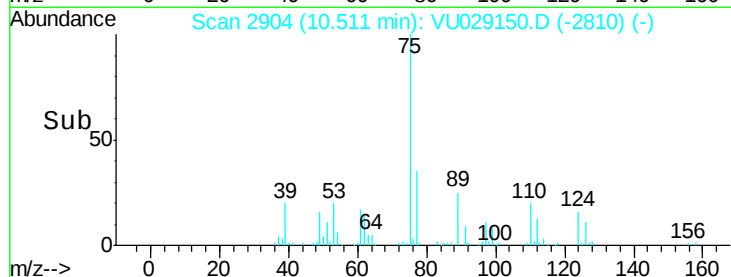
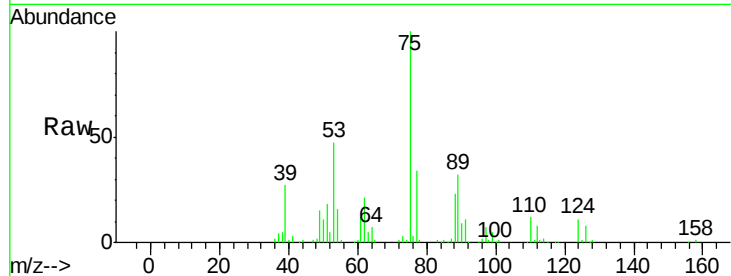
#81
trans-1,4-Dichloro-2-butene
Concen: 42.926 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

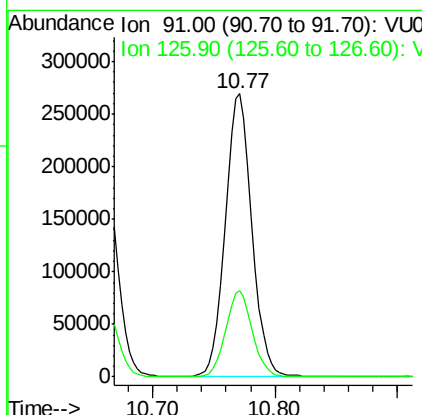
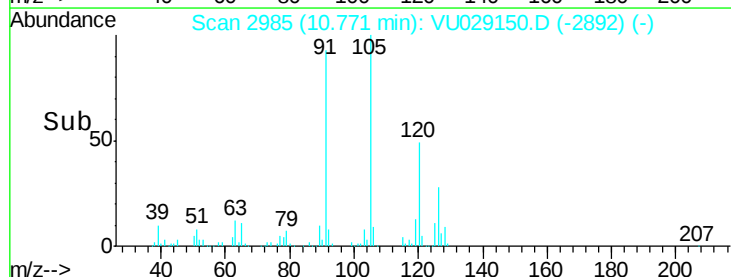
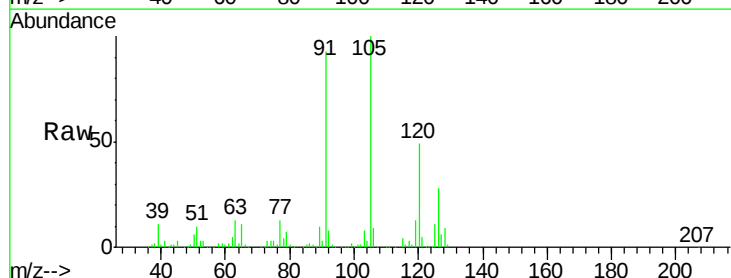
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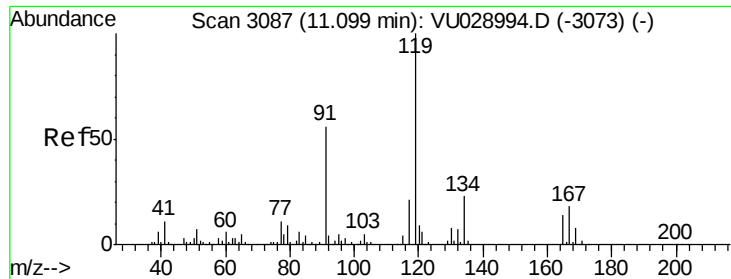
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.332 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.5	46.5





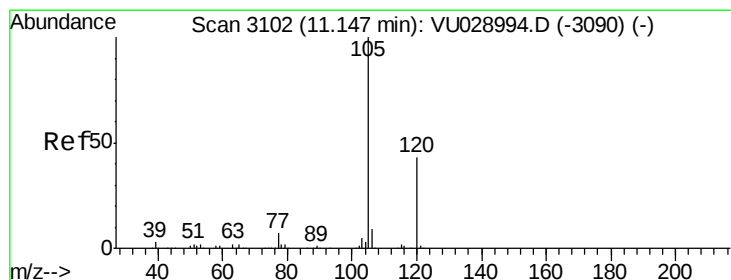
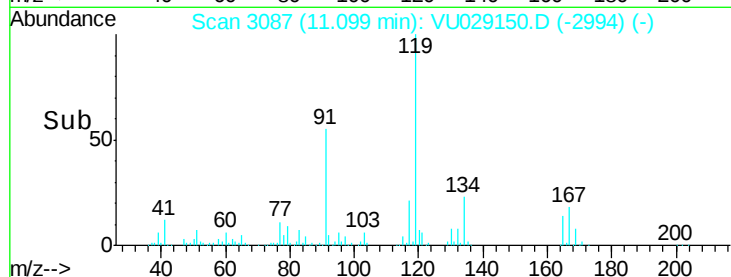
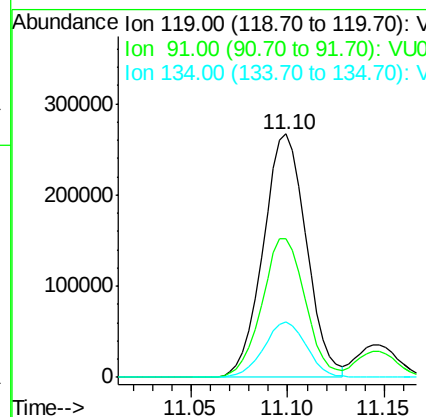
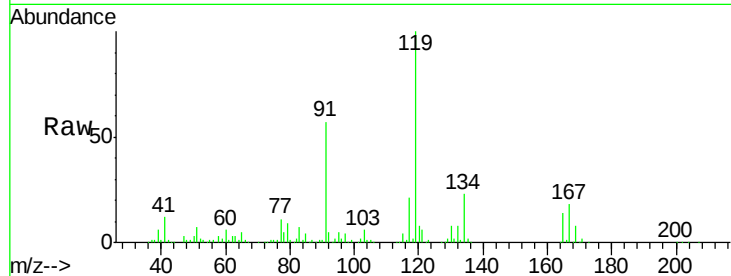
#83
tert-Butylbenzene
Concen: 49.517 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.4	28.2	84.6
134	22.4	11.3	33.8

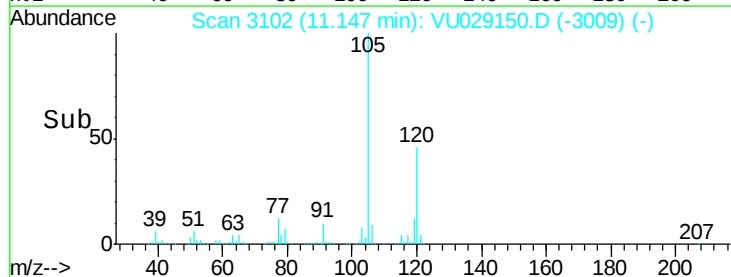
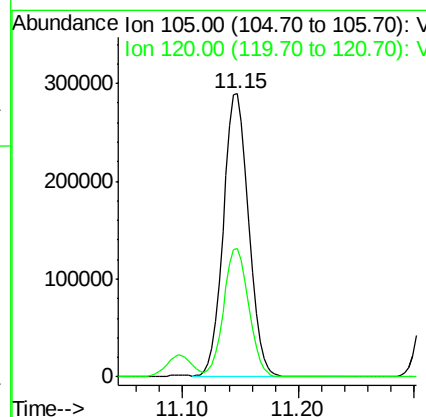
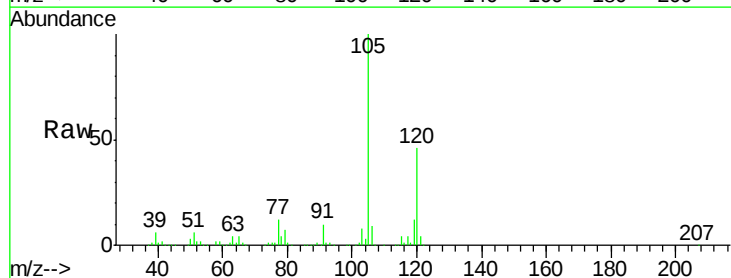
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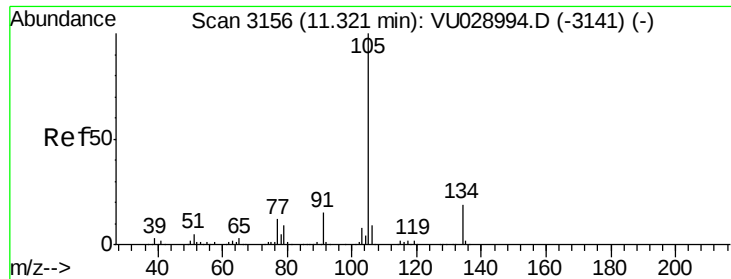
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.817 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.1	69.3





#85

sec-Butylbenzene

Concen: 51.629 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 522195

Ion Ratio Lower Upper

105 100

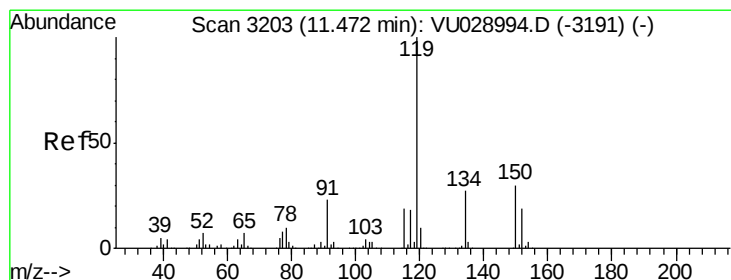
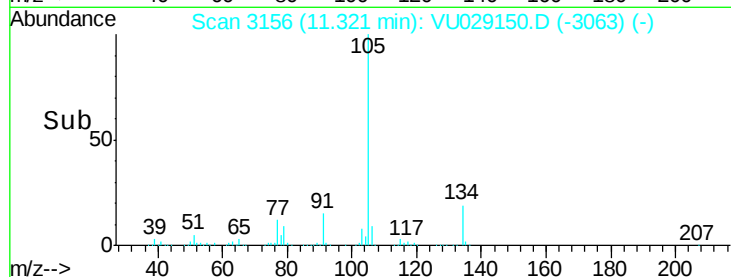
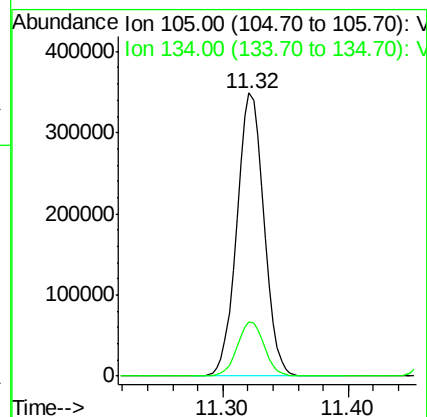
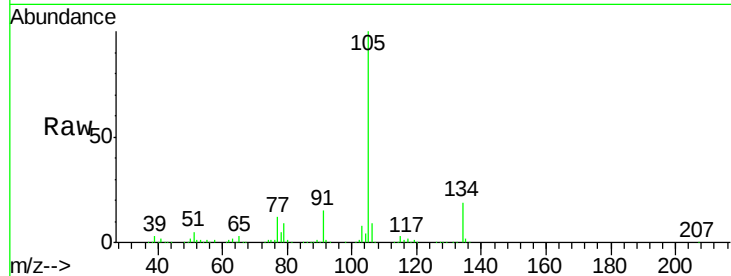
134 19.1 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.311 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

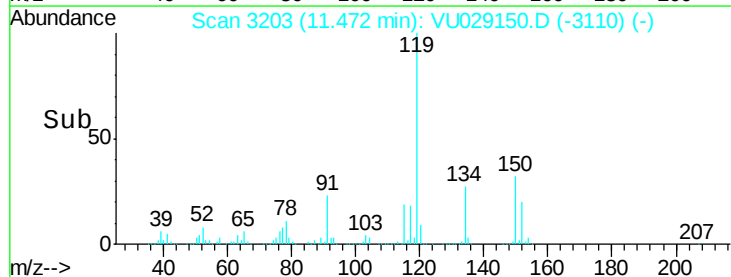
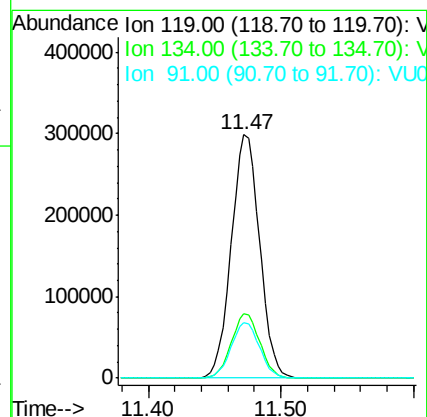
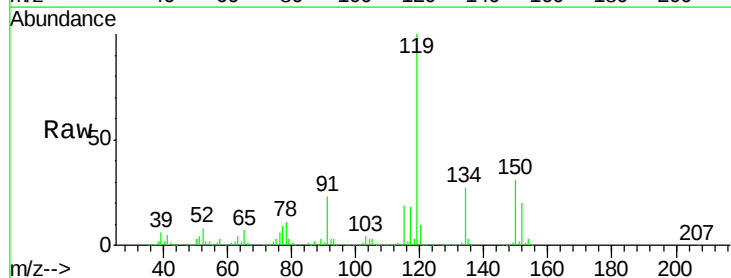
Tgt Ion:119 Resp: 442226

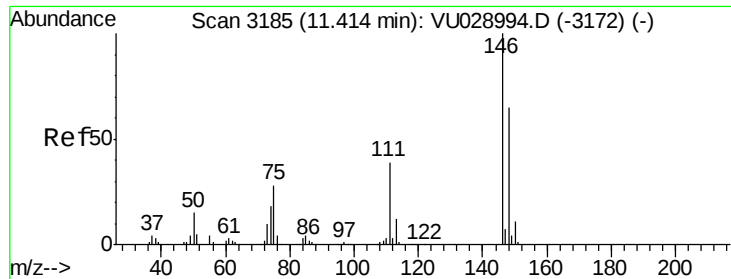
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 22.9 11.3 33.8





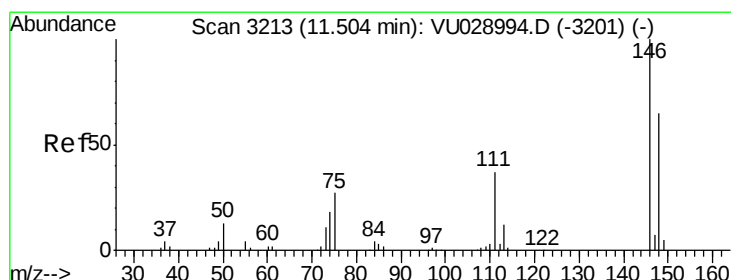
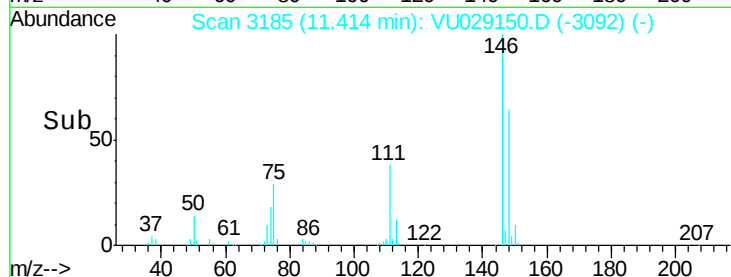
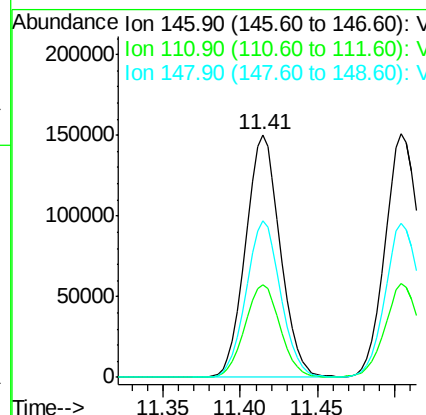
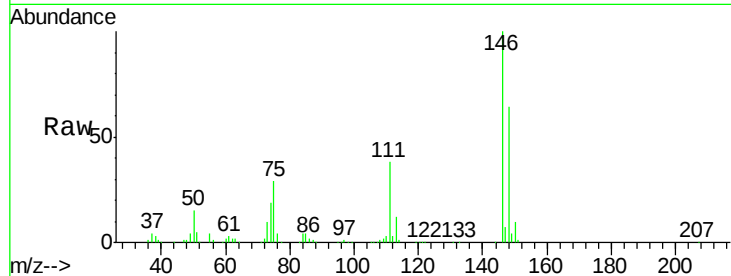
#87
 1,3-Dichlorobenzene
 Concen: 48.198 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.8
148	64.4	32.5	97.5

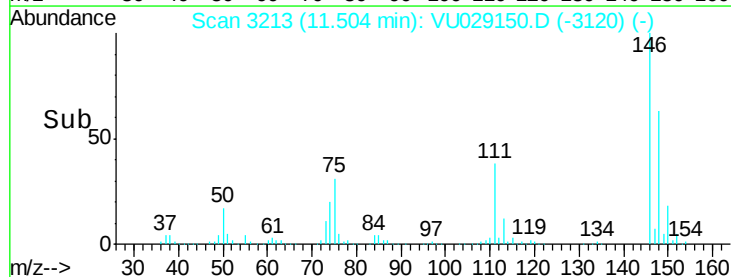
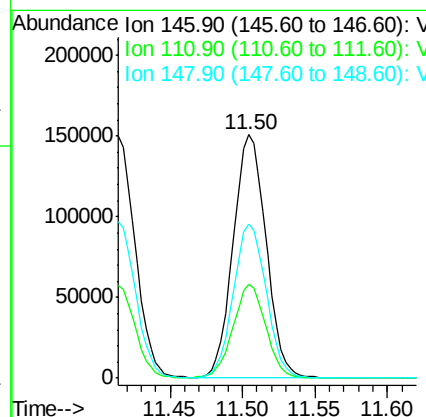
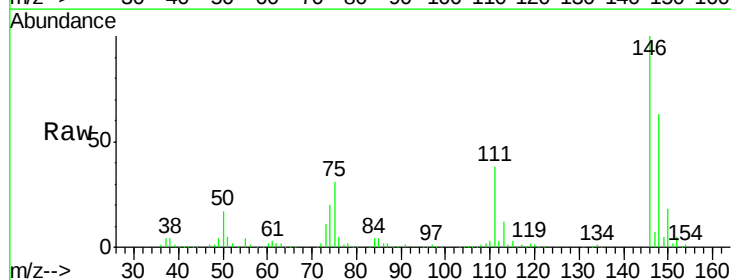
Manual Integrations
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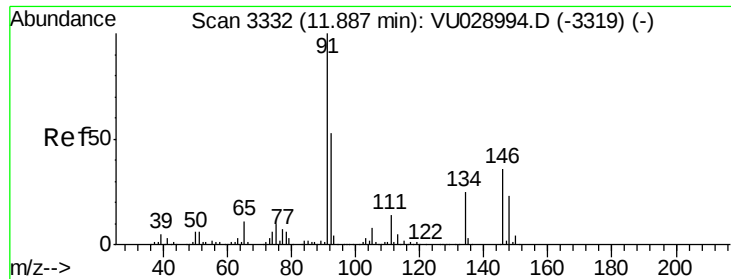
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 1/14/2019 10:59:11 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.171 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.3
148	63.4	32.6	98.0





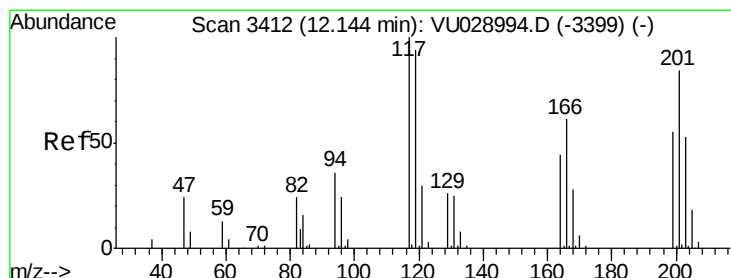
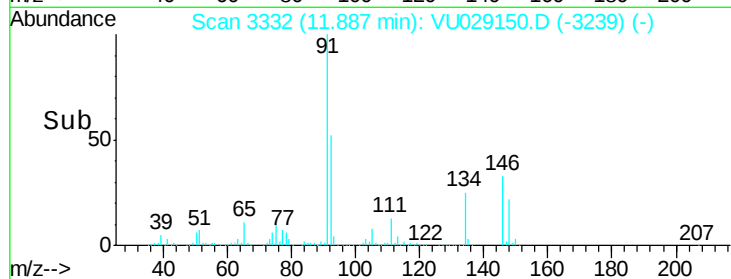
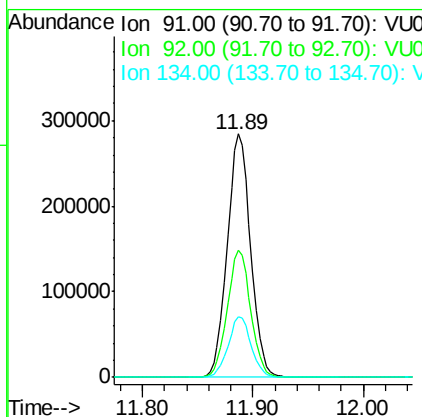
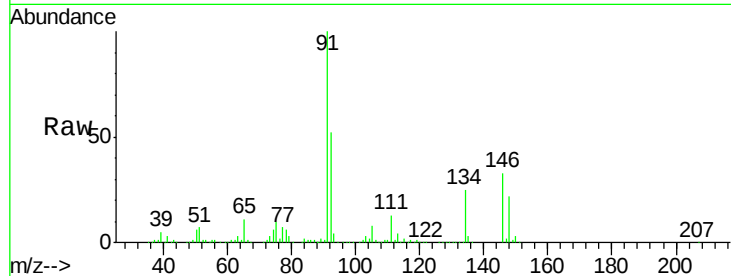
#89
n-Butylbenzene
Concen: 54.368 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.5
134	24.5	12.6	37.6

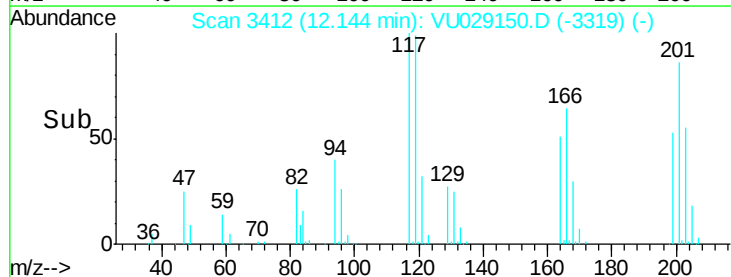
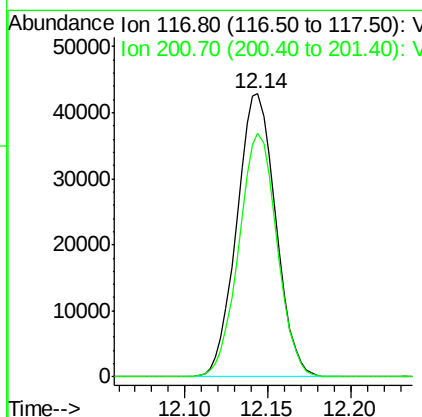
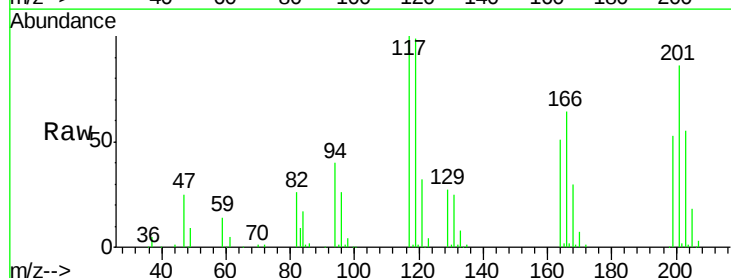
Manual Integrations
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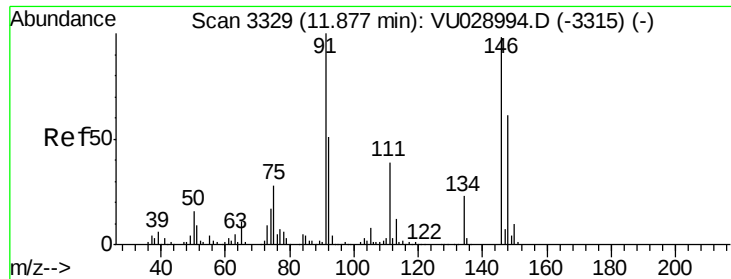
MMDadoda
1/14/2019 10:59:11 AM



#90
Hexachloroethane
Concen: 48.371 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029150.D
Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	42.4	127.3





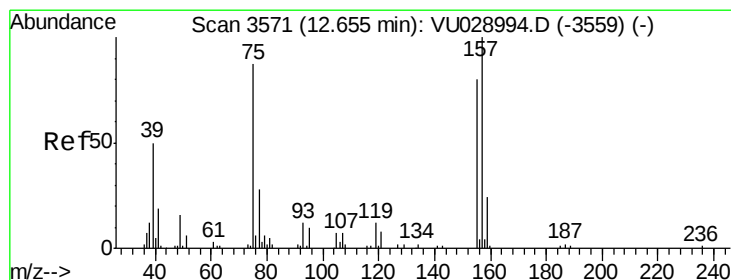
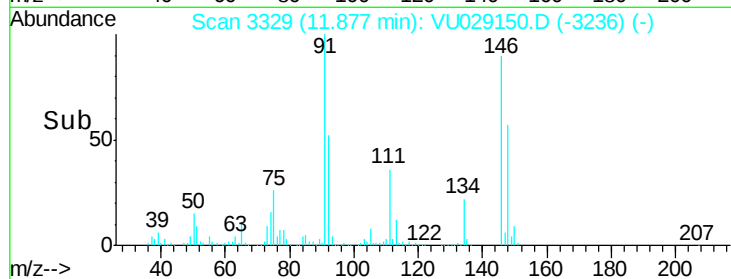
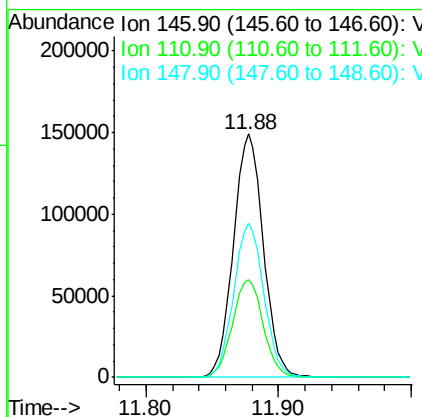
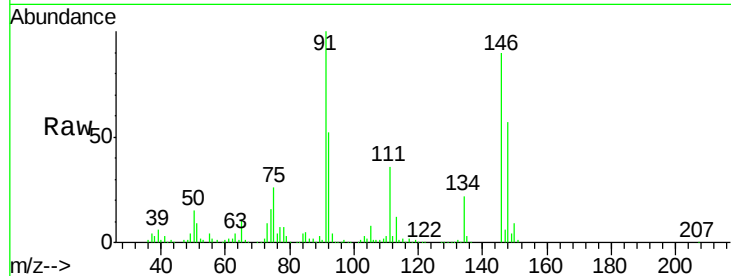
#91
 1,2-Dichlorobenzene
 Concen: 47.848 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.0	59.9
148	63.7	31.6	94.8

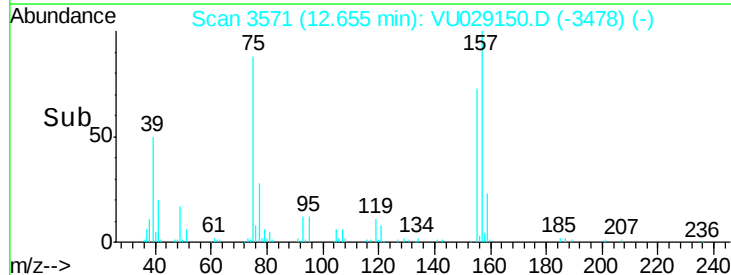
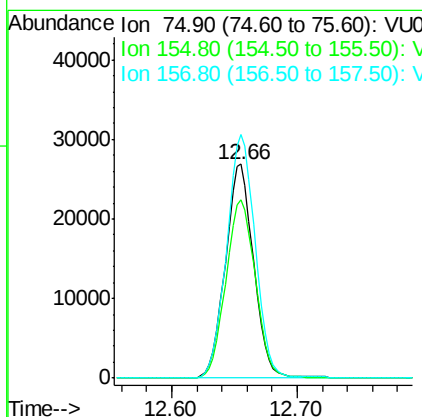
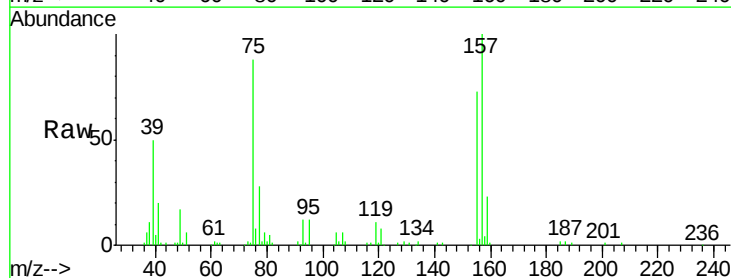
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.931 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	46.3	138.8
157	115.1	57.4	172.0





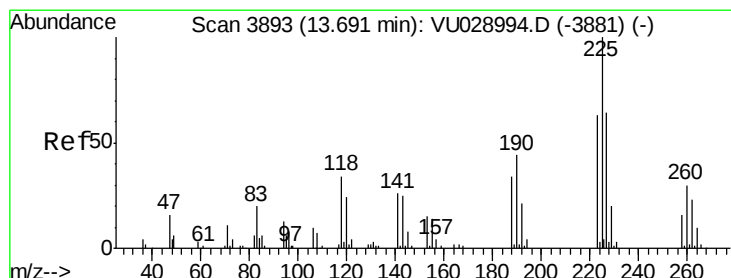
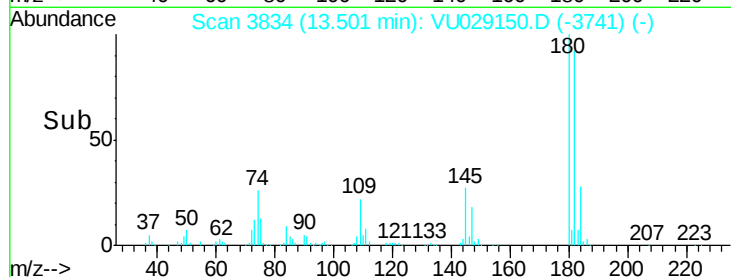
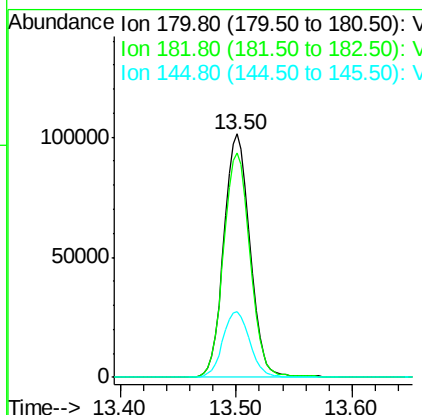
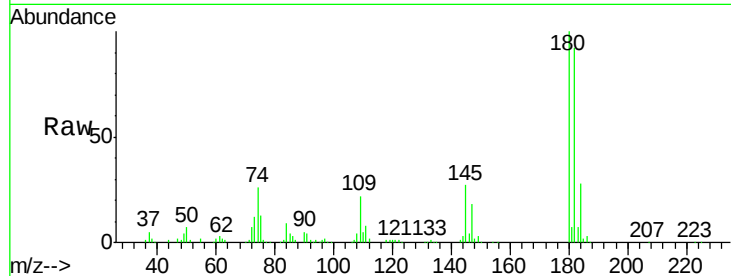
#93
 1,2,4-Trichlorobenzene
 Concen: 50.473 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.5	142.6
145	27.8	14.0	42.0

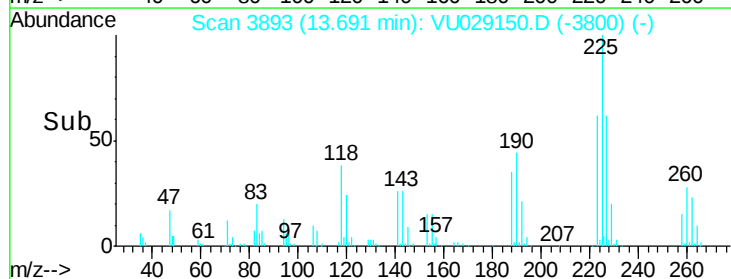
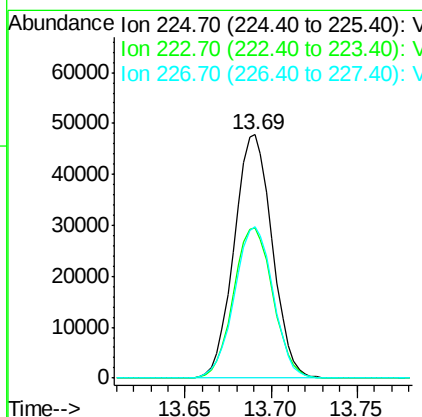
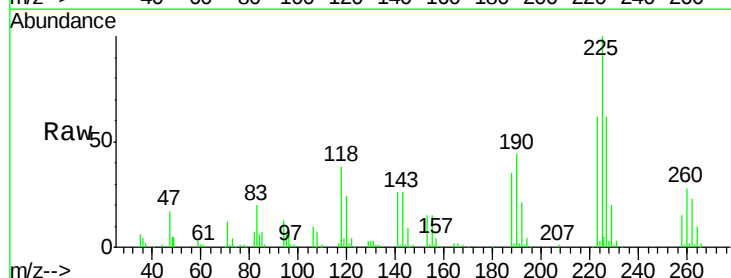
Manual Integrations
 APPROVED

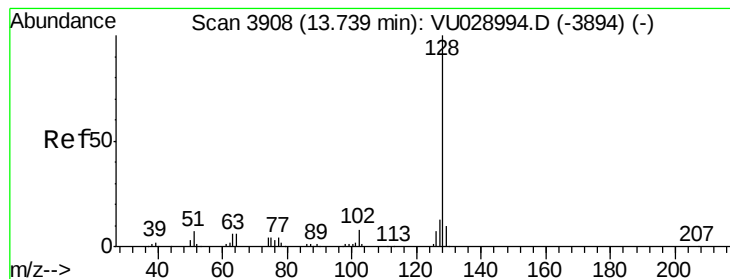
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#94
 Hexachlorobutadiene
 Concen: 51.514 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029150.D
 Acq: 11 Jan 2019 18:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.4	94.0
227	63.4	31.9	95.5





#95

Naphthalene

Concen: 49.919 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Instrument :

MSVOA_U

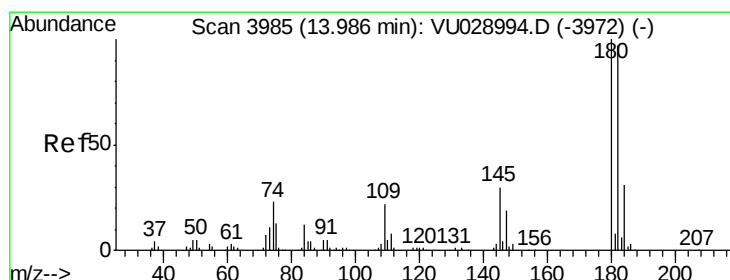
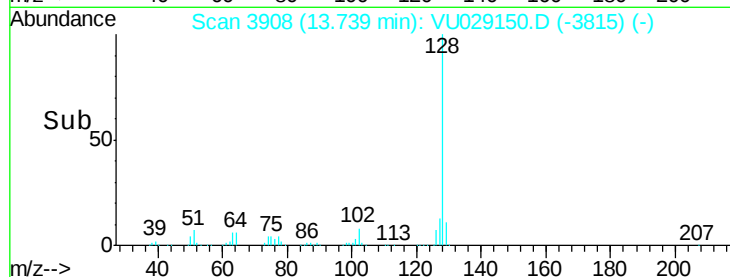
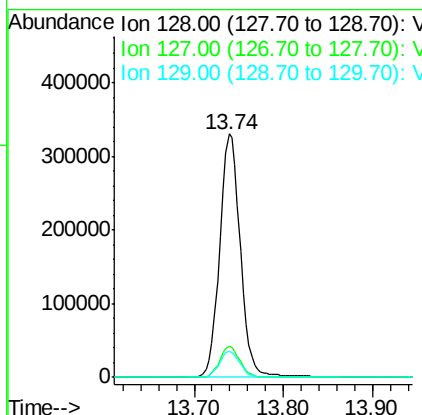
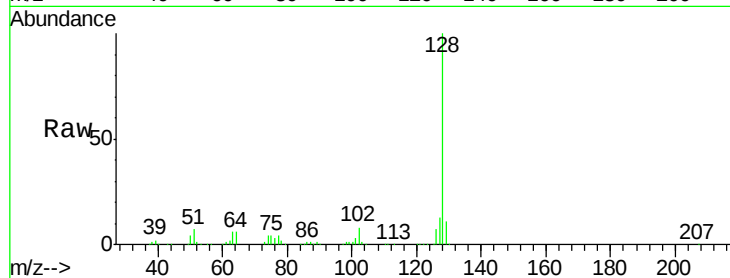
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	530284
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	10.5	8.5	12.7

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 50.238 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU029150.D

Acq: 11 Jan 2019 18:42

Tgt Ion:	180	Resp:	161515
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.1	144.3
145	29.9	14.8	44.4

