

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011619\
 Data File : VU029212.D
 Acq On : 16 Jan 2019 16:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/17/2019 9:43:47 AM

Quant Time: Jan 17 02:27:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	113564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	181258	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	172628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	89295	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	71081	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
35) Dibromofluoromethane	4.88	113	60074	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	7.56	98	229632	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	10.30	95	84451	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	50981	45.267	ug/l	98
3) Chloromethane	1.33	50	75771	42.041	ug/l	99
4) Vinyl Chloride	1.40	62	76612	46.161	ug/l	98
5) Bromomethane	1.61	94	40226	46.958	ug/l	99
6) Chloroethane	1.69	64	44961	45.481	ug/l	99
7) Trichlorofluoromethane	1.88	101	85331	47.184	ug/l	99
8) Diethyl Ether	2.10	74	41208	47.428	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	55769	46.088	ug/l	99
10) Methyl Iodide	2.40	142	60017	52.749	ug/l	99
11) Tert butyl alcohol	2.83	59	83731	234.643	ug/l	100
12) 1,1-Dichloroethene	2.28	96	51972	44.126	ug/l	94
13) Acrolein	2.19	56	53901	201.159	ug/l	98
14) Allyl chloride	2.59	41	95125	44.017	ug/l	91
15) Acrylonitrile	2.93	53	213564	243.945	ug/l	99
16) Acetone	2.32	43	185236	209.452	ug/l	99
17) Carbon Disulfide	2.47	76	163945	41.945	ug/l	99
18) Methyl Acetate	2.61	43	109322	53.163	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	206268	49.812	ug/l	100
20) Methylene Chloride	2.70	84	70717	47.096	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	60242	44.023	ug/l	95
22) Diisopropyl ether	3.57	45	217349	50.888	ug/l	99
23) Vinyl Acetate	3.52	43	887558	254.192	ug/l	99
24) 1,1-Dichloroethane	3.44	63	124452	50.475	ug/l	99
25) 2-Butanone	4.26	43	293542	245.746	ug/l	98
26) 2,2-Dichloropropane	4.22	77	99181	49.783	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	73318	48.988	ug/l	98
28) Bromochloromethane	4.54	49	55427	52.499	ug/l	96
29) Tetrahydrofuran	4.63	42	180095	248.586	ug/l	99
30) Chloroform	4.67	83	120668	51.382	ug/l	96
31) Cyclohexane	4.99	56	108533	46.553	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	95399	49.163	ug/l	98
36) 1,1-Dichloropropene	5.13	75	88129	48.643	ug/l	98
37) Ethyl Acetate	4.38	43	102081	51.331	ug/l	98
38) Carbon Tetrachloride	5.13	117	79330	52.498	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	108926	48.904	ug/l	99
40) Benzene	5.39	78	281157	49.750	ug/l	99
41) Methacrylonitrile	4.53	41	57159	53.695	ug/l	99
42) 1,2-Dichloroethane	5.40	62	89326	52.601	ug/l	100
43) Isopropyl Acetate	5.54	43	163350	53.546	ug/l	99
44) Trichloroethene	6.18	130	66899	47.776	ug/l	100
45) 1,2-Dichloropropane	6.43	63	78574	52.649	ug/l	98
46) Dibromomethane	6.56	93	48536	50.874	ug/l	99
47) Bromodichloromethane	6.75	83	92686	52.766	ug/l	98
48) Methyl methacrylate	6.62	41	81168	54.642	ug/l	99
49) 1,4-Dioxane	6.61	88	34481	979.502	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	549274	264.565	ug/l	99
52) Toluene	7.63	92	172511	50.143	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	107180	50.794	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	118111	51.802	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	72900	52.892	ug/l	98
56) Ethyl methacrylate	8.02	69	112001	52.747	ug/l	98
57) 1,3-Dichloropropane	8.24	76	123081	52.189	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	253469	271.432	ug/l	100
59) 2-Hexanone	8.36	43	427426	262.273	ug/l	98
60) Dibromochloromethane	8.48	129	71306	52.221	ug/l	98
61) 1,2-Dibromoethane	8.58	107	75817	50.720	ug/l	100
64) Tetrachloroethene	8.22	164	57847	46.518	ug/l	97
65) Chlorobenzene	9.12	112	186354	48.160	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	64502	51.365	ug/l	99
67) Ethyl Benzene	9.25	91	326303	50.508	ug/l	99
68) m/p-Xylenes	9.37	106	252434	100.564	ug/l	100
69) o-Xylene	9.78	106	122039	50.458	ug/l	100
70) Styrene	9.79	104	203114	51.227	ug/l	99
71) Bromoform	9.95	173	57706	51.610	ug/l	# 99
73) Isopropylbenzene	10.16	105	324859	49.151	ug/l	100
74) N-amyl acetate	10.01	43	146830	51.554	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	126639	47.807	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	107019m	48.915	ug/l	
77) Bromobenzene	10.45	156	81362	47.238	ug/l	98
78) n-propylbenzene	10.58	91	395811	50.816	ug/l	99
79) 2-Chlorotoluene	10.66	91	227320	48.111	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	275157	49.853	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	37609m	44.333	ug/l	
82) 4-Chlorotoluene	10.77	91	262889	48.522	ug/l	100
83) tert-Butylbenzene	11.10	119	268159	49.294	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	284131	51.562	ug/l	99
85) sec-Butylbenzene	11.32	105	339668	51.628	ug/l	99
86) p-Isopropyltoluene	11.47	119	290616	51.838	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	150931	47.774	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	154084	47.249	ug/l	98
89) n-Butylbenzene	11.89	91	279795	55.917	ug/l	99
90) Hexachloroethane	12.14	117	48644	51.577	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	150136	47.181	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	25631	50.308	ug/l	99

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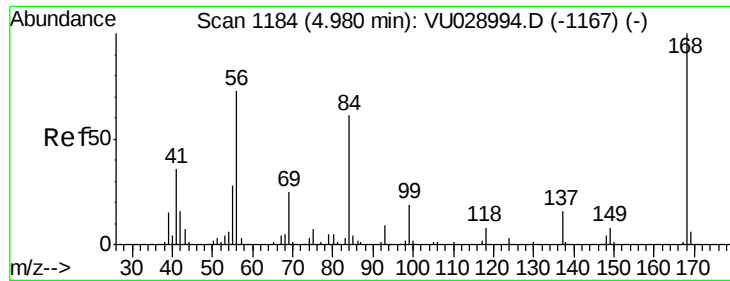
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	106270	52.316	ug/l	99
94) Hexachlorobutadiene	13.69	225	51307	55.222	ug/l	99
95) Naphthalene	13.74	128	334967	48.475	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	107787	51.521	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 113564

Ion Ratio Lower Upper

168 100

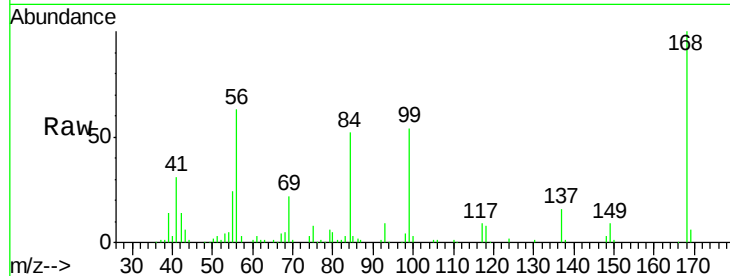
99 53.8 42.0 63.0

Manual Integrations

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1/17/2019 9:43:47 AM

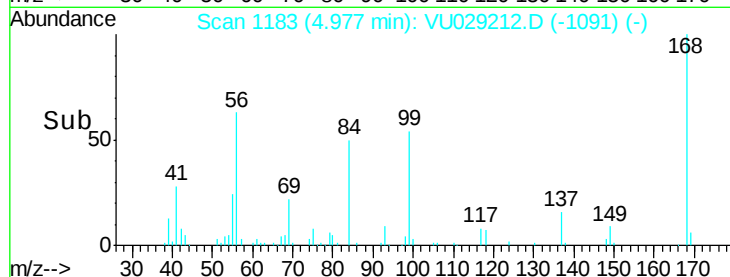


Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

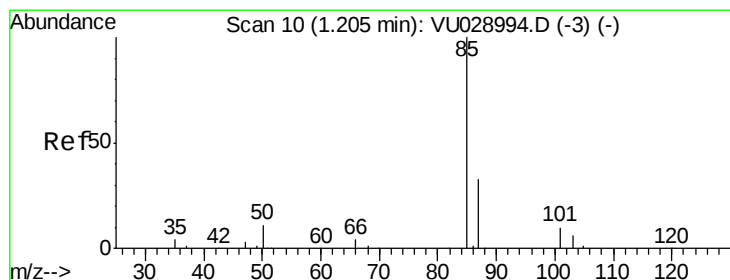
Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 45.267 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029212.D

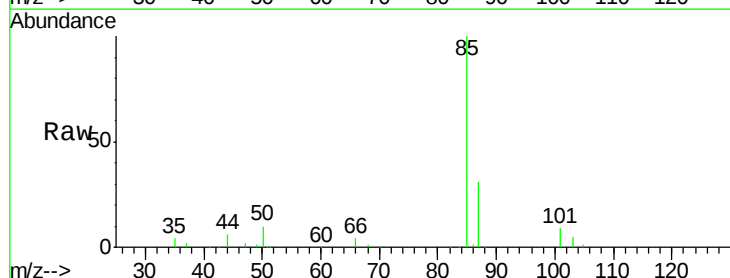
Acq: 16 Jan 2019 16:55

Tgt Ion: 85 Resp: 50981

Ion Ratio Lower Upper

85 100

87 31.4 16.3 48.8

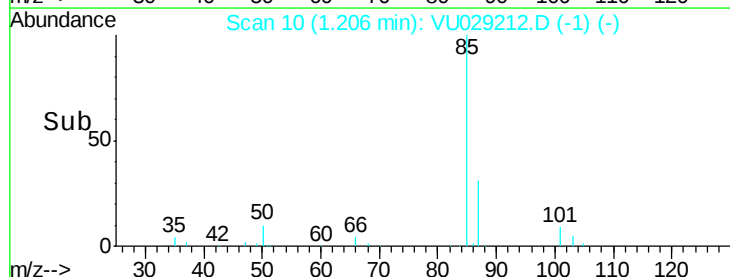


Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

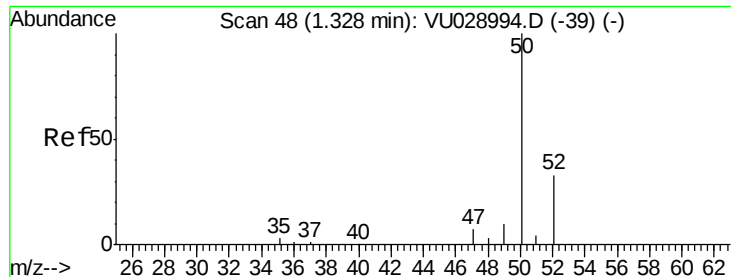
Ion 86.90 (86.60 to 87.60): VU028994.D (-3) (-)

1.21

Time-->



Time-->



#3

Chloromethane

Concen: 42.041 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 75771

Ion Ratio Lower Upper

50 100

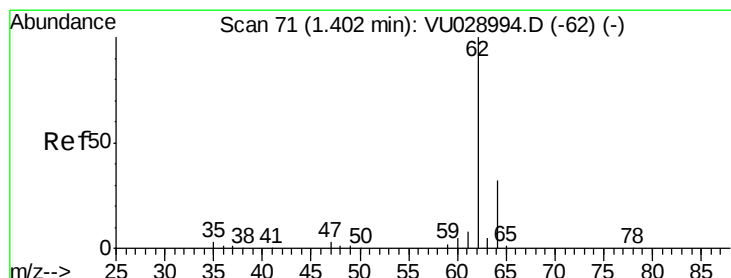
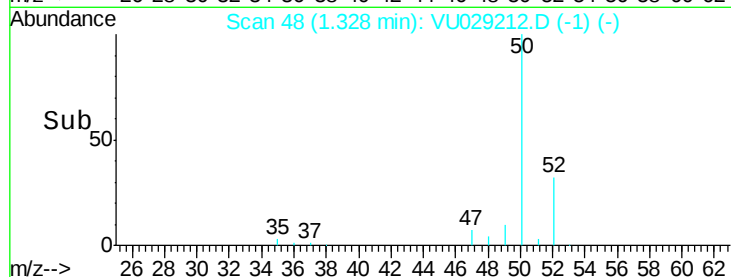
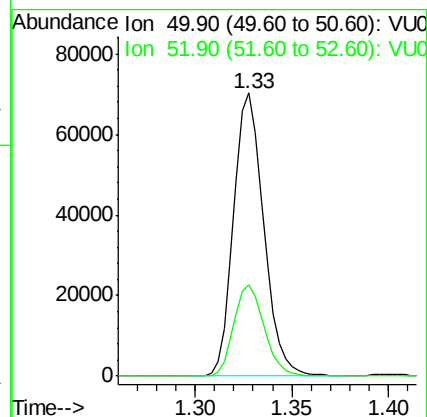
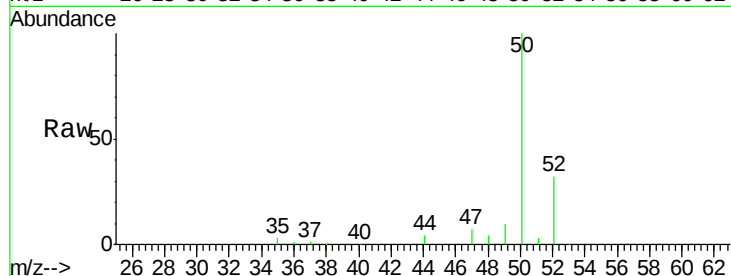
52 32.3 26.1 39.1

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 46.161 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029212.D

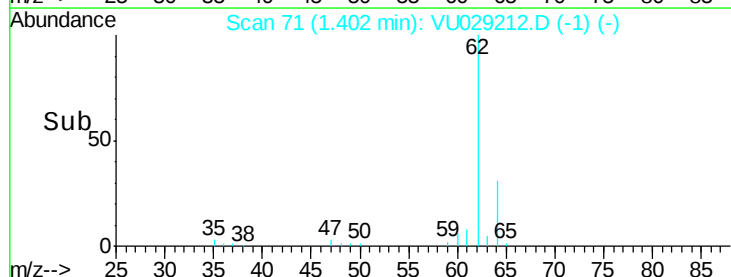
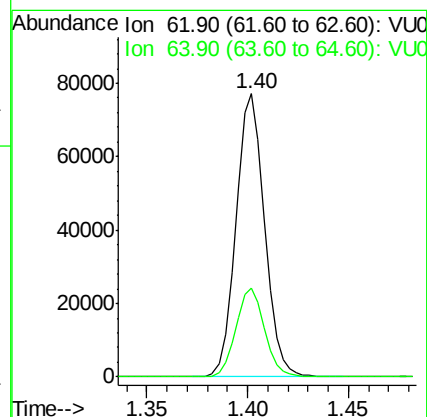
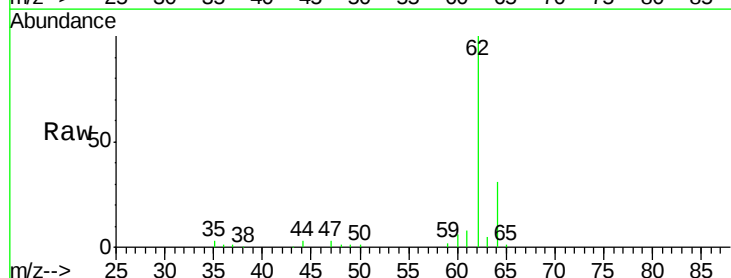
Acq: 16 Jan 2019 16:55

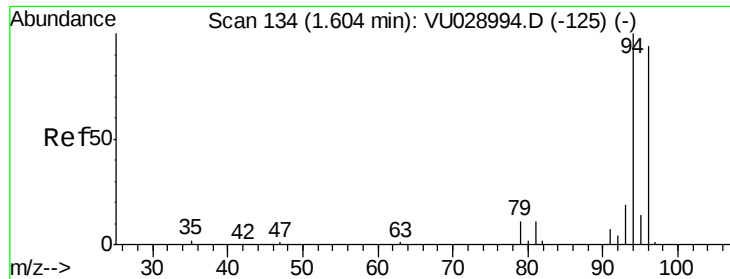
Tgt Ion: 62 Resp: 76612

Ion Ratio Lower Upper

62 100

64 31.4 25.9 38.9





#5

Bromomethane

Concen: 46.958 ug/l

RT: 1.61 min Scan# 136

Delta R.T. 0.01 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 40226

Ion Ratio Lower Upper

94 100

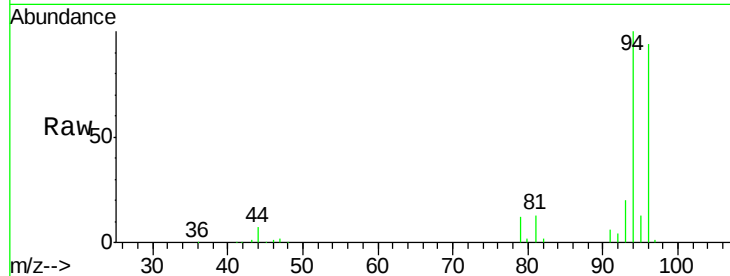
96 93.5 75.5 113.3

Manual Integrations

APPROVED

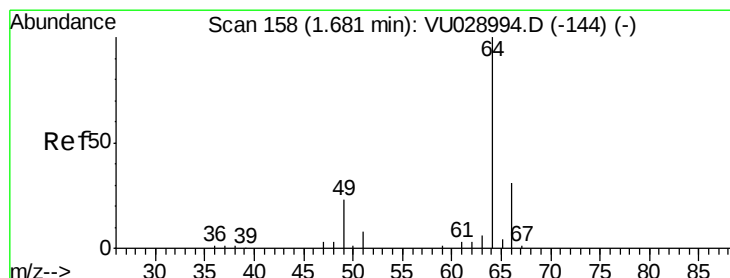
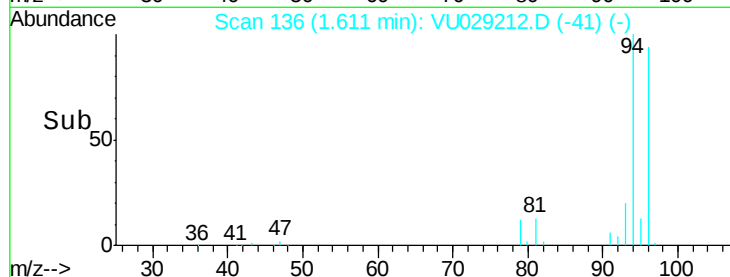
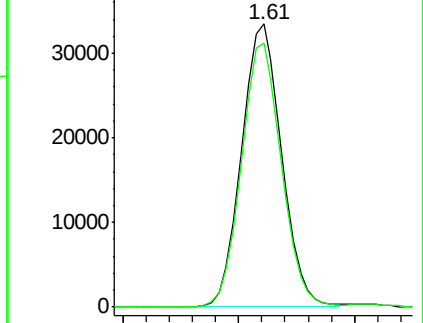
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 45.481 ug/l

RT: 1.69 min Scan# 160

Delta R.T. 0.01 min

Lab File: VU029212.D

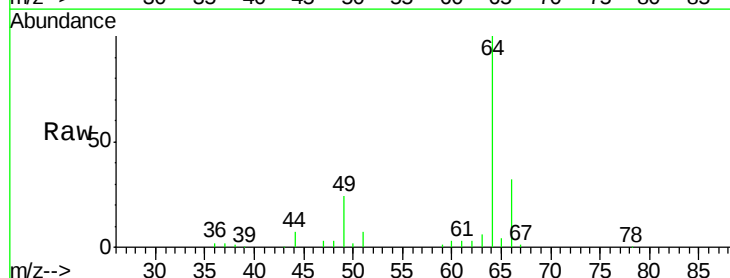
Acq: 16 Jan 2019 16:55

Tgt Ion: 64 Resp: 44961

Ion Ratio Lower Upper

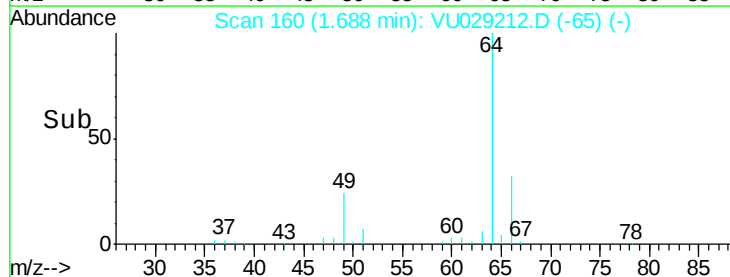
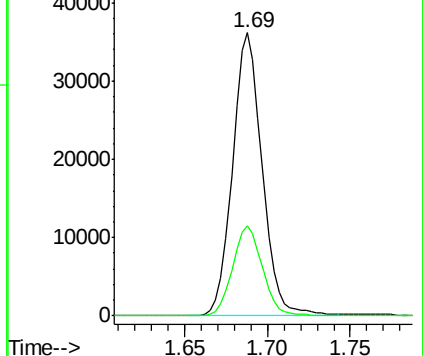
64 100

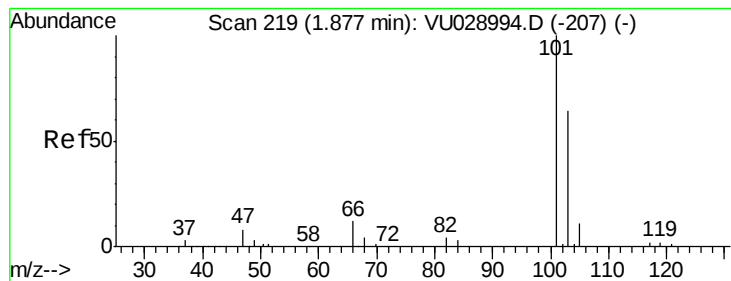
66 31.8 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

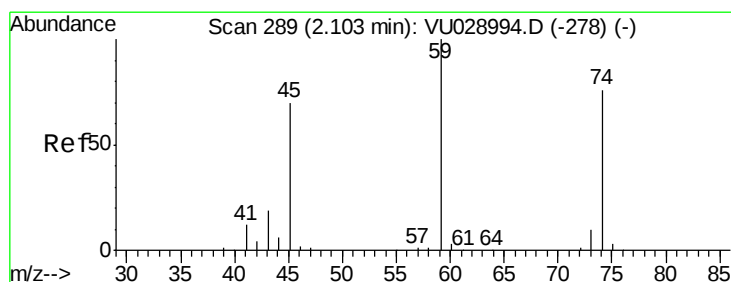
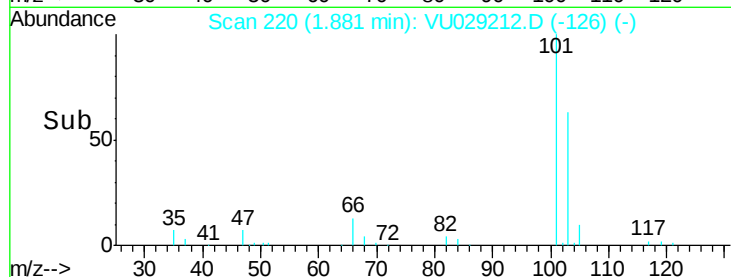
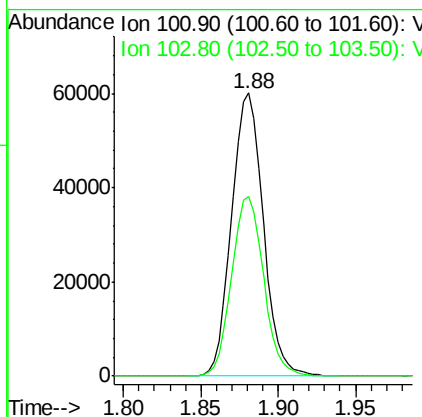
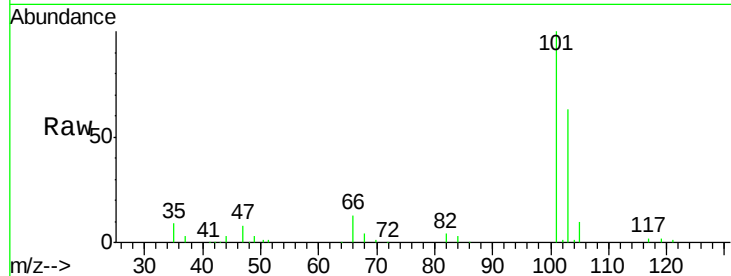
Trichlorofluoromethane
Concen: 47.184 ug/l
RT: 1.88 min Scan# 220
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 85331
Ion Ratio Lower Upper
101 100
103 63.5 51.5 77.3

Manual Integrations
APPROVED

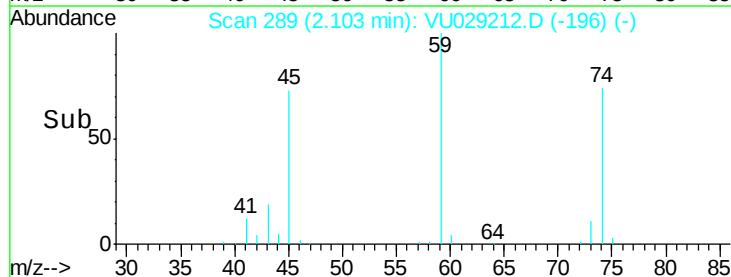
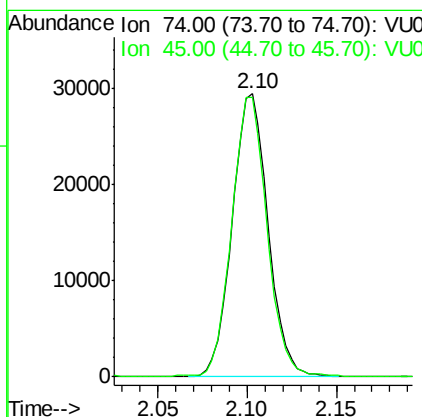
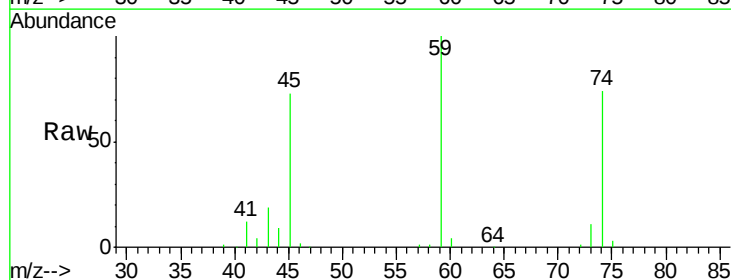
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1/17/2019 9:43:47 AM

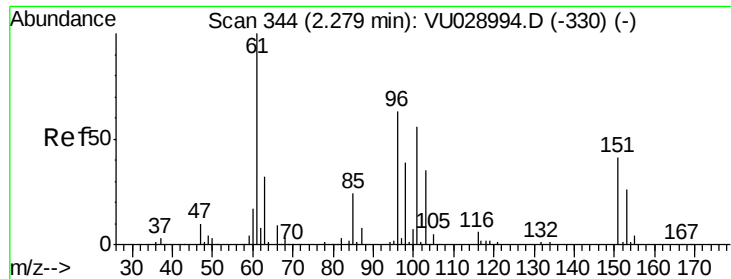


#8

Diethyl Ether
Concen: 47.428 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Tgt Ion: 74 Resp: 41208
Ion Ratio Lower Upper
74 100
45 98.2 46.9 140.6





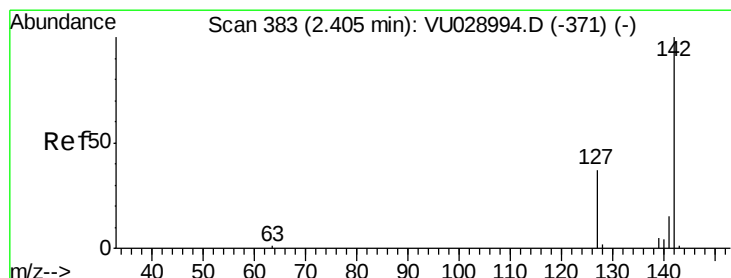
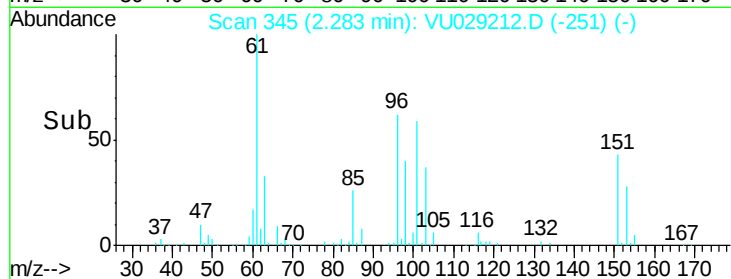
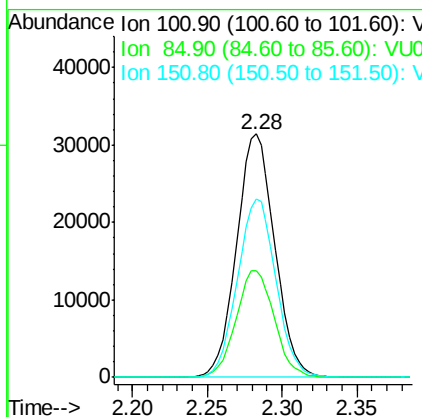
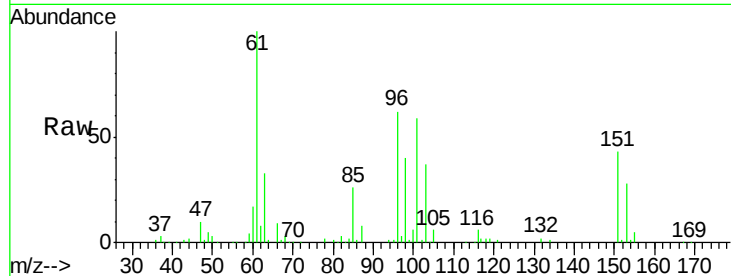
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.088 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.7	35.1	52.7
151	74.0	60.2	90.2

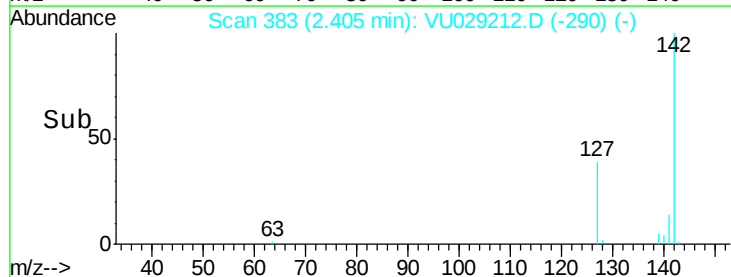
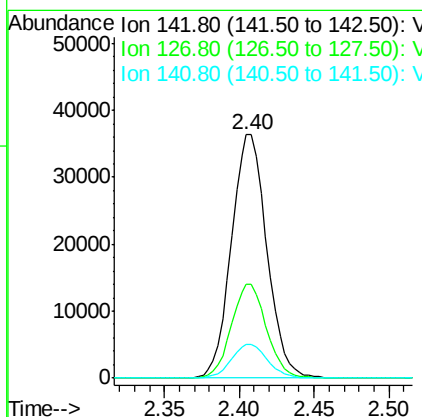
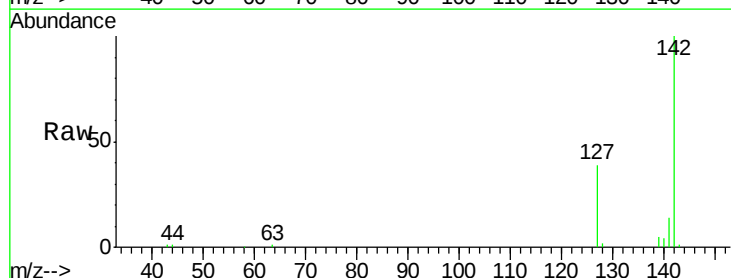
Manual Integrations
APPROVED

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1/17/2019 9:43:47 AM



#10
Methyl Iodide
Concen: 52.749 ug/l
RT: 2.40 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.1	29.8	44.6
141	14.0	11.5	17.3





#11

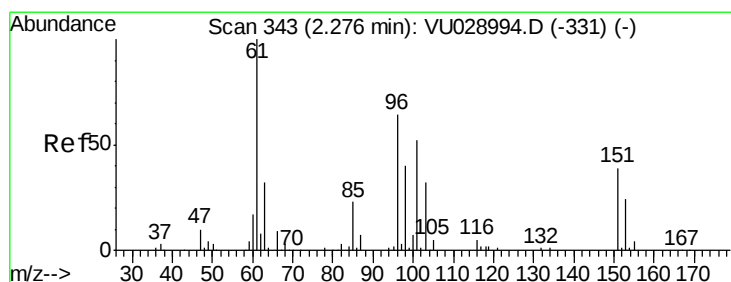
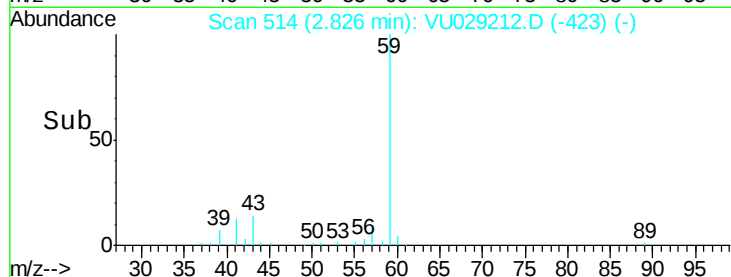
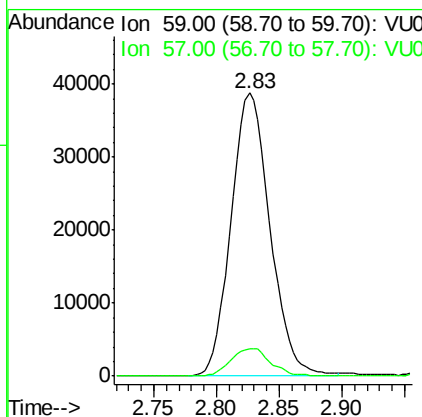
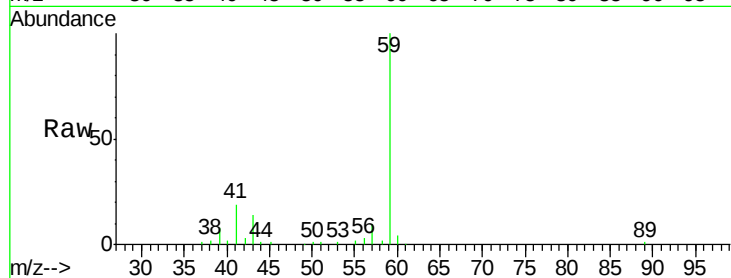
Tert butyl alcohol
 Concen: 234.643 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.9	11.9

Manual Integrations
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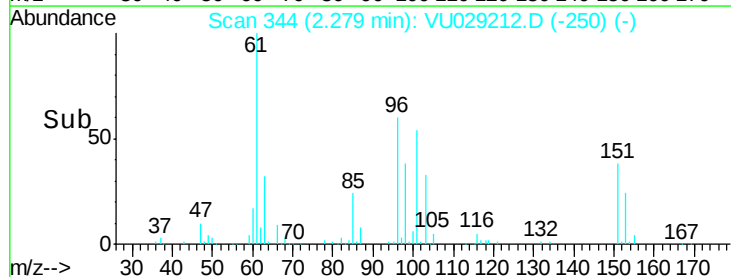
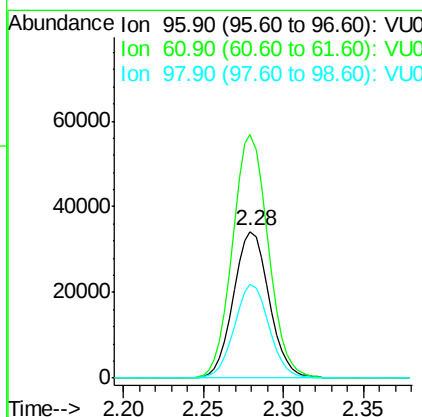
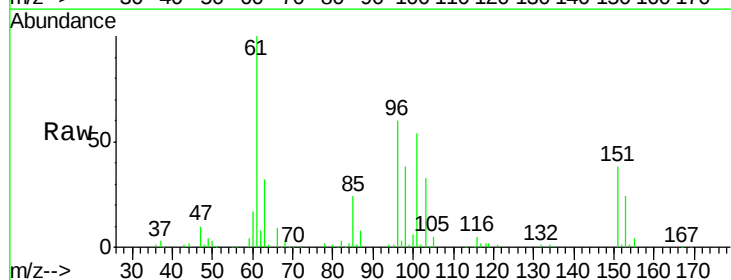
MMDadoda
 1/17/2019 9:43:47 AM

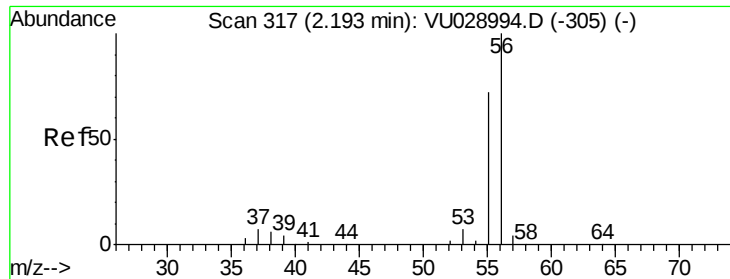


#12

1,1-Dichloroethene
 Concen: 44.126 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.1	125.4	188.0
98	63.8	49.7	74.5





#13

Acrolein

Concen: 201.159 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 53901

Ion Ratio Lower Upper

56 100

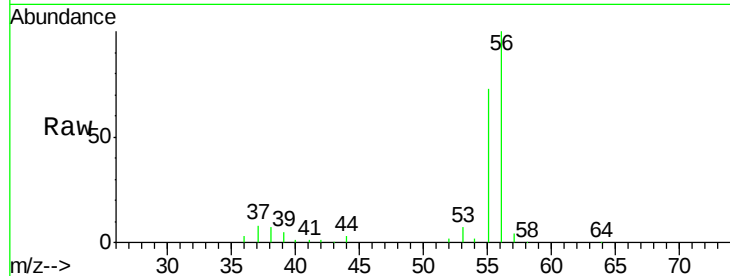
55 72.0 56.5 84.7

Manual Integrations

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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

40000

30000

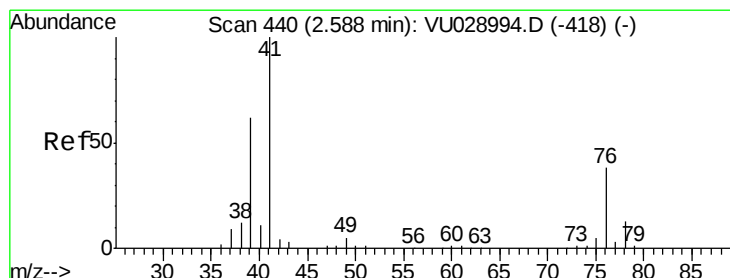
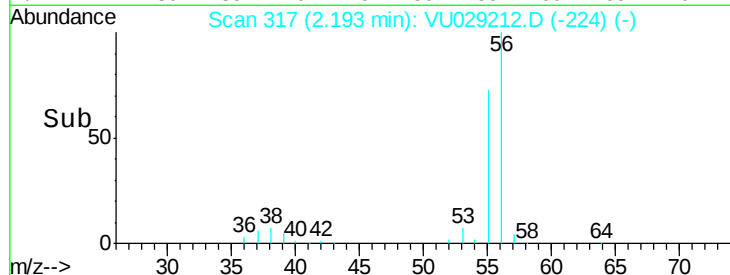
20000

10000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 44.017 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

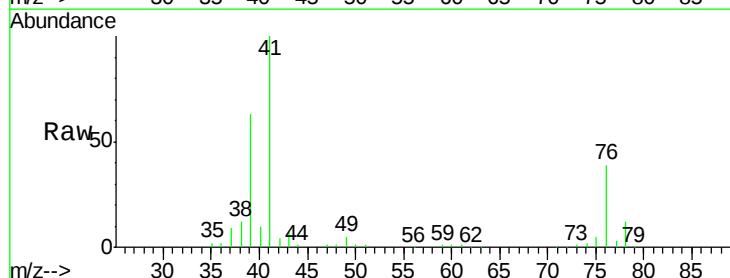
Tgt Ion: 41 Resp: 95125

Ion Ratio Lower Upper

41 100

39 65.0 45.0 67.6

76 38.1 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

60000

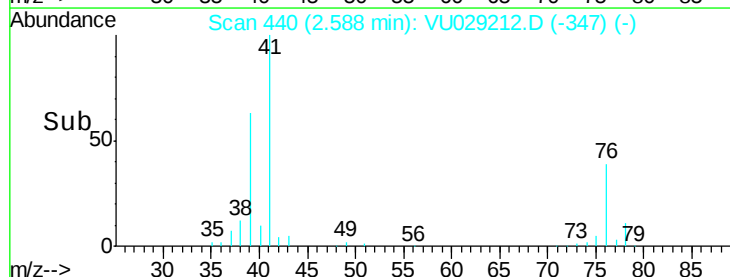
40000

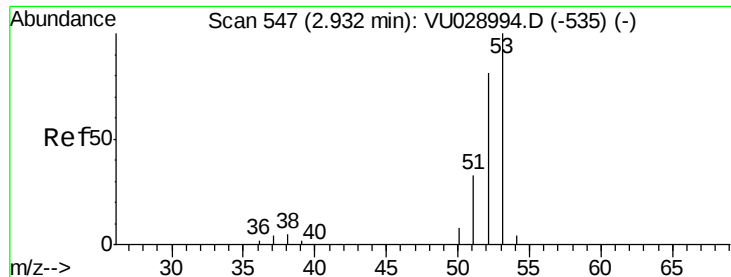
20000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 243.945 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Instrument :

MSVOA_U

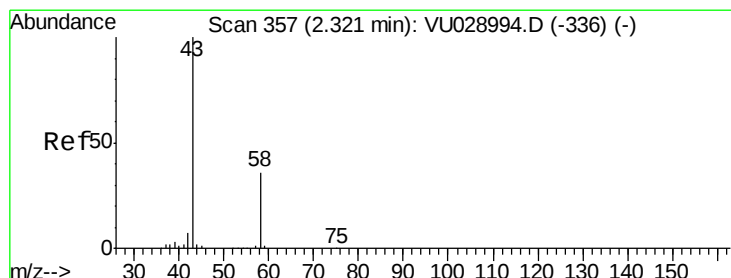
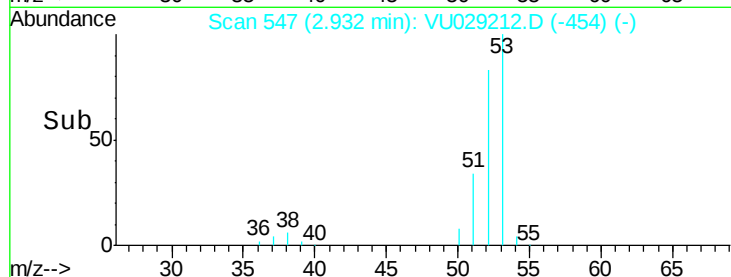
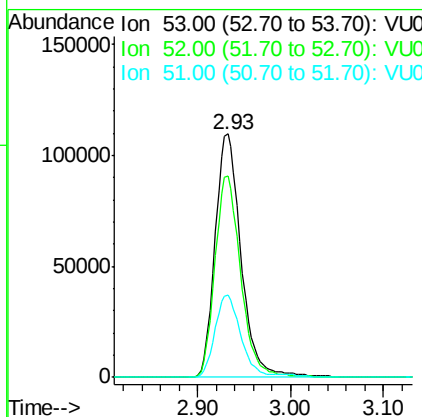
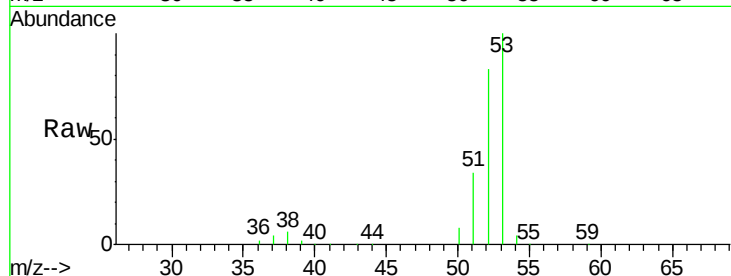
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	213564
Ion	Ratio	Lower	Upper
53	100		
52	82.1	64.8	97.2
51	33.6	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 209.452 ug/l

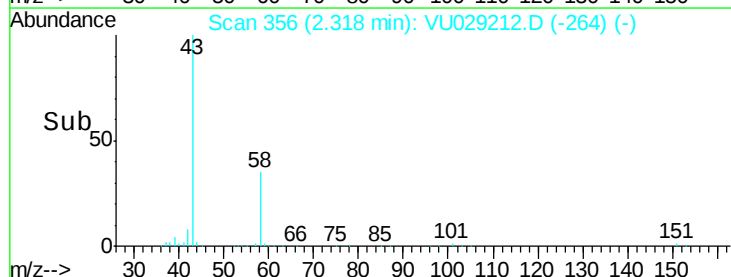
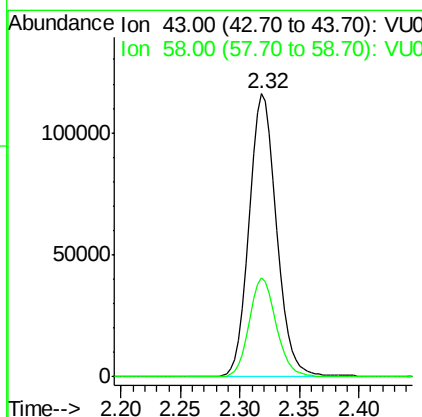
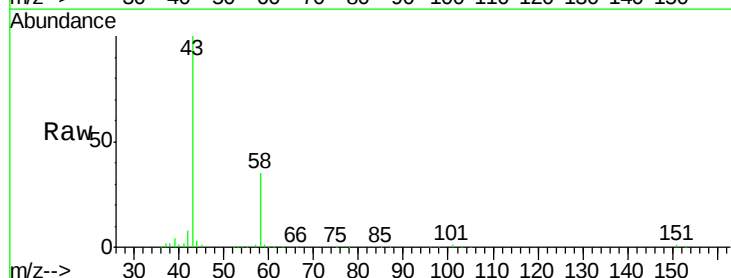
RT: 2.32 min Scan# 356

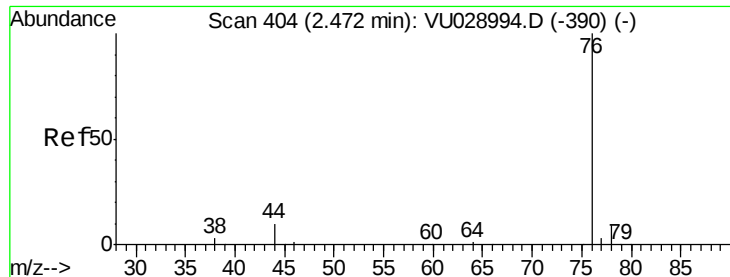
Delta R.T. -0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Tgt Ion:	43	Resp:	185236
Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.6	42.8





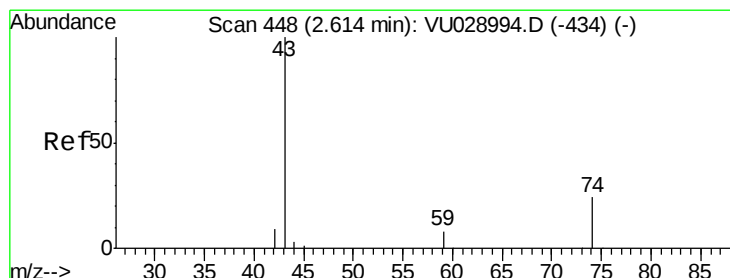
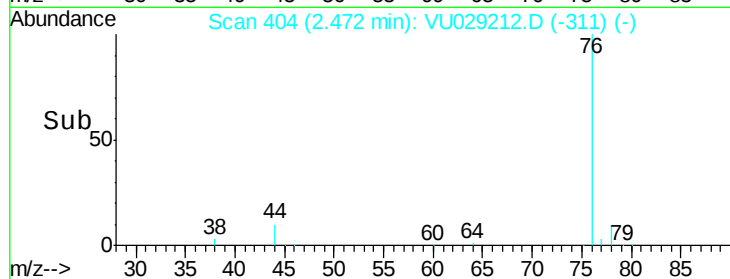
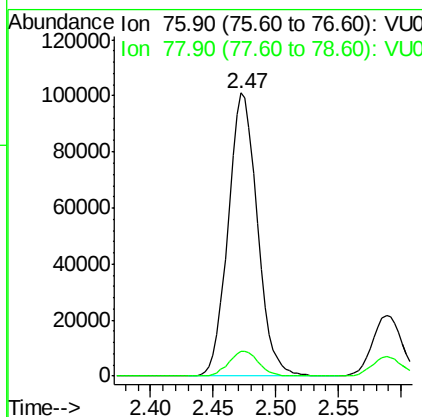
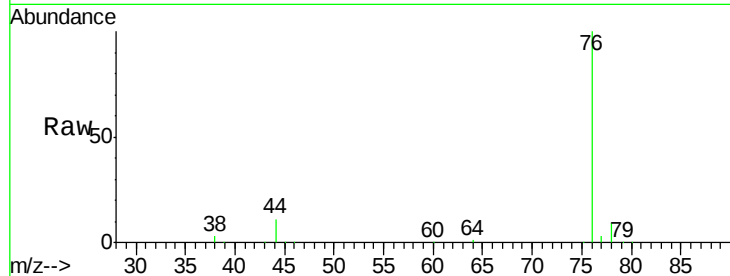
#17
Carbon Disulfide
Concen: 41.945 ug/l
RT: 2.47 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

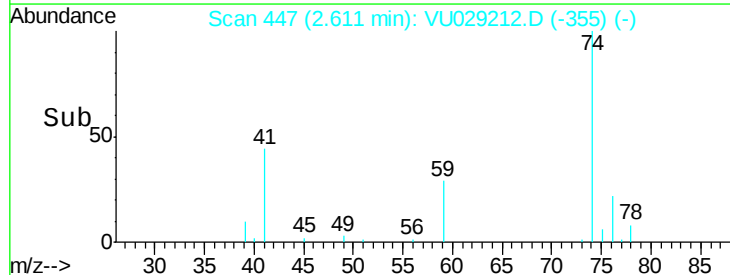
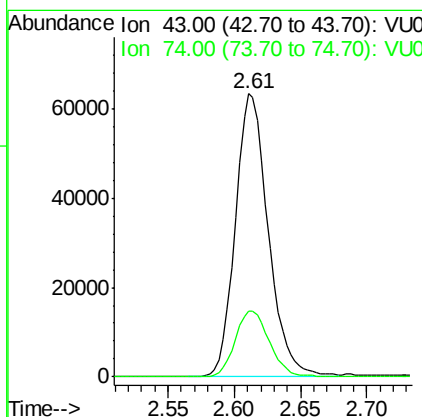
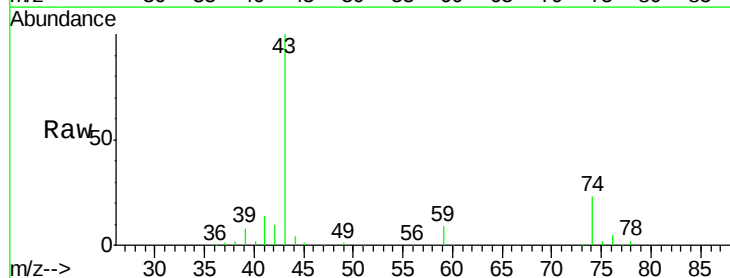
Manual Integrations
APPROVED

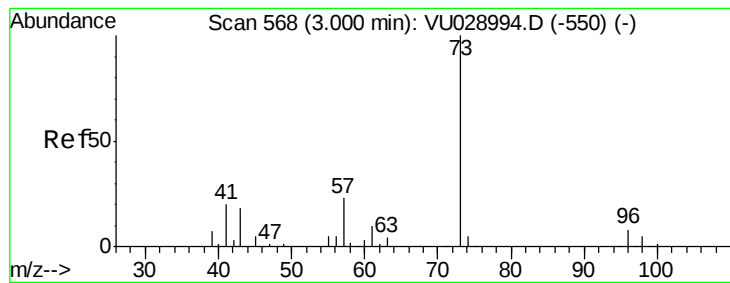
MMDadoda
1/17/2019 9:43:47 AM



#18
Methyl Acetate
Concen: 53.163 ug/l
RT: 2.61 min Scan# 447
Delta R.T. -0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.5	29.3





#19

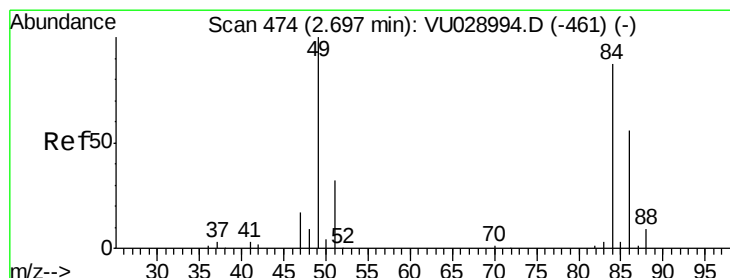
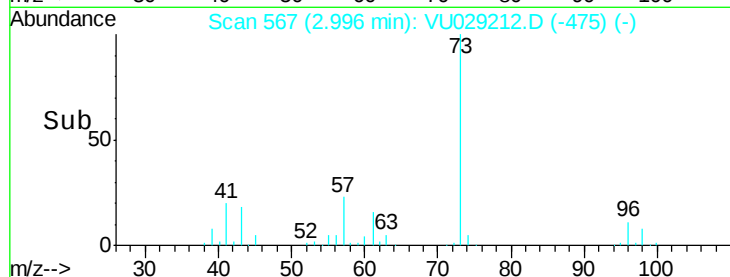
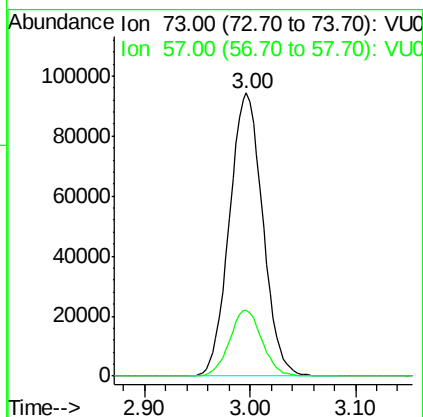
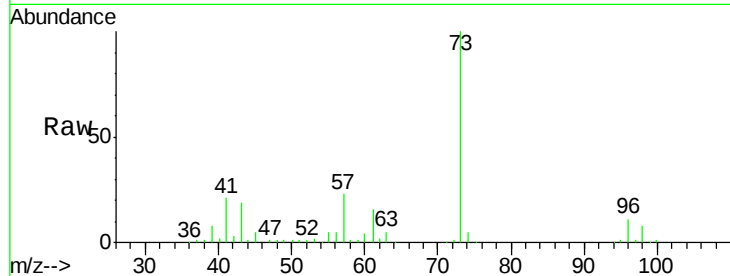
Methyl tert-butyl Ether
 Concen: 49.812 ug/l
 RT: 3.00 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 206268
 Ion Ratio Lower Upper
 73 100
 57 23.3 18.6 28.0

Manual Integrations
 APPROVED

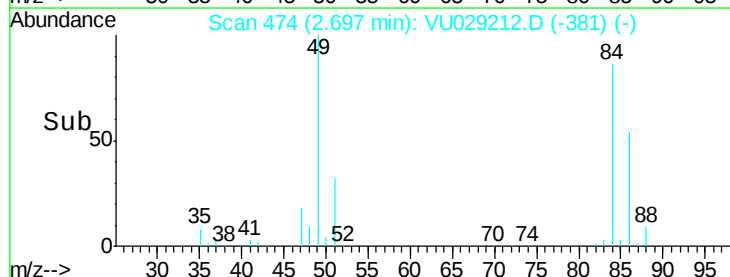
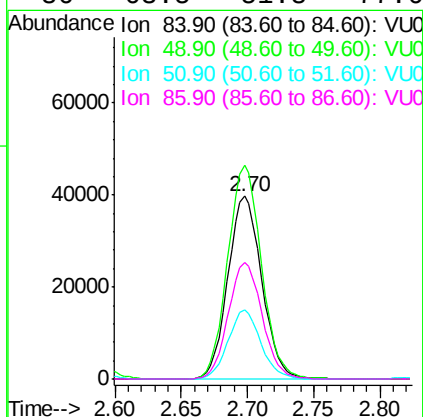
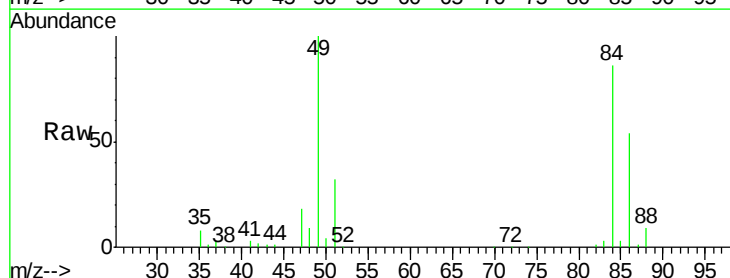
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 1/17/2019 9:43:47 AM

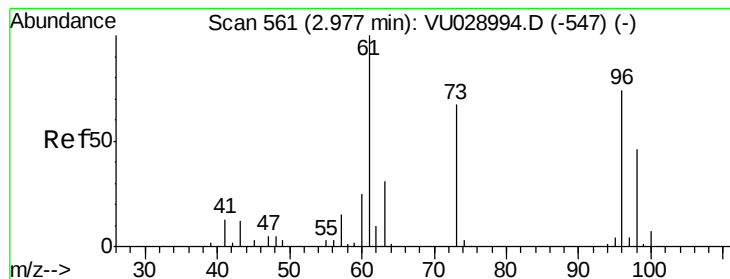


#20

Methylene Chloride
 Concen: 47.096 ug/l
 RT: 2.70 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Tgt Ion: 84 Resp: 70717
 Ion Ratio Lower Upper
 84 100
 49 116.8 91.9 137.9
 51 37.6 29.2 43.8
 86 63.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 44.023 ug/l

RT: 2.98 min Scan# 561

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 60242

Ion Ratio Lower Upper

96 100

61 142.0 107.7 161.5

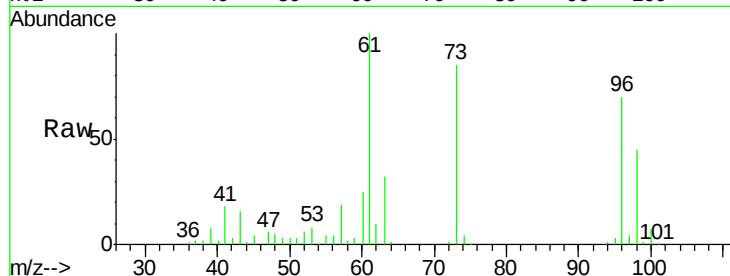
98 64.3 49.2 73.8

Manual Integrations

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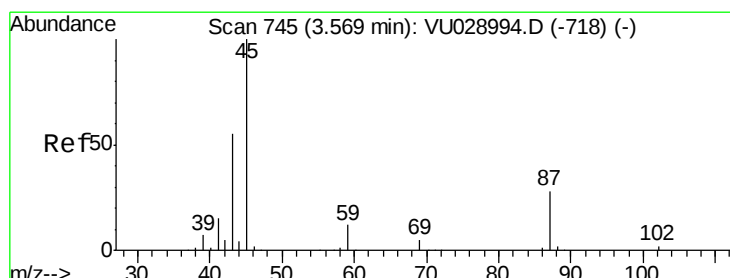
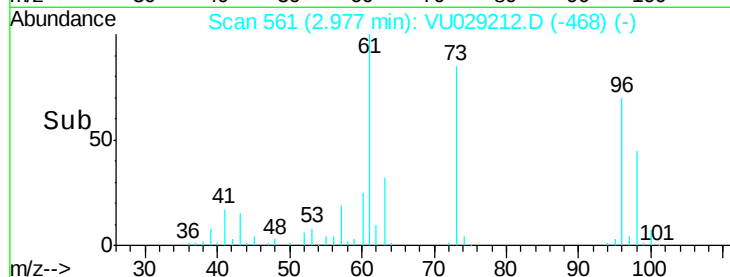
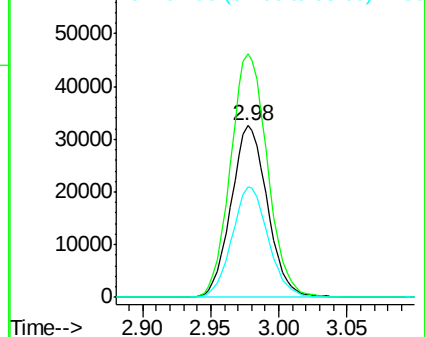


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 50.888 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Tgt Ion: 45 Resp: 217349

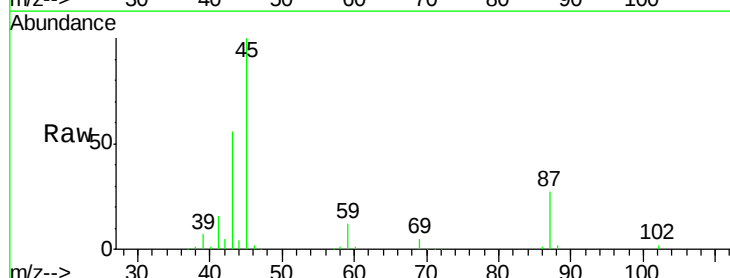
Ion Ratio Lower Upper

45 100

43 55.0 44.7 67.1

87 27.4 22.2 33.2

59 12.4 9.8 14.8



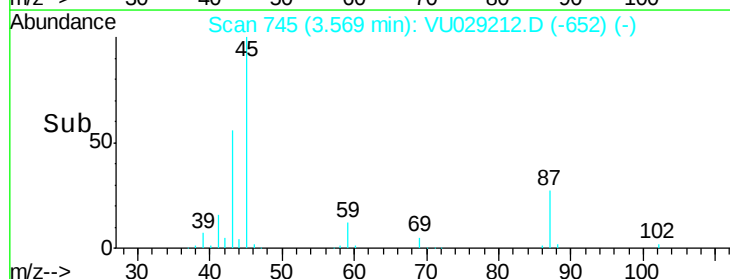
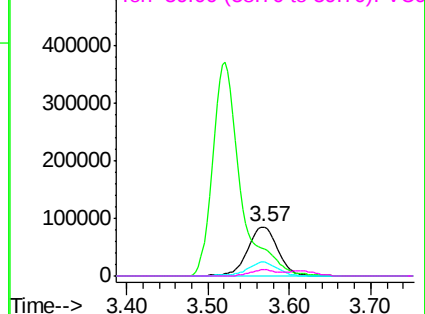
Abundance

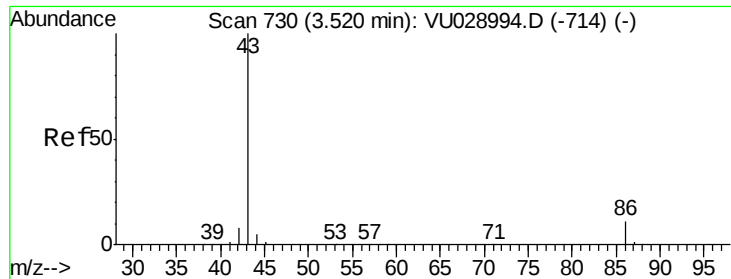
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 254.192 ug/l

RT: 3.52 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Tot Ion: 43 Resp: 887558

Ion Ratio Lower Upper

43 100

86 10.6 8.6 13.0

Instrument :

MSVOA_U

ClientSampleId :

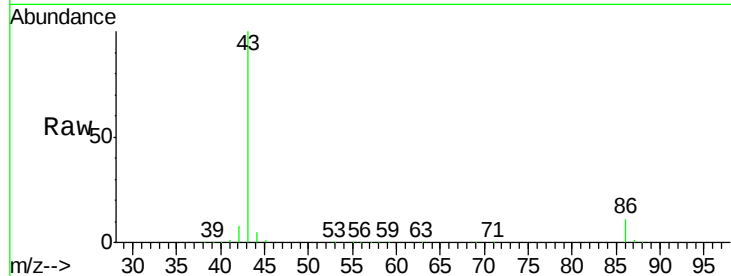
VSTDCCC050EC

Manual Integrations

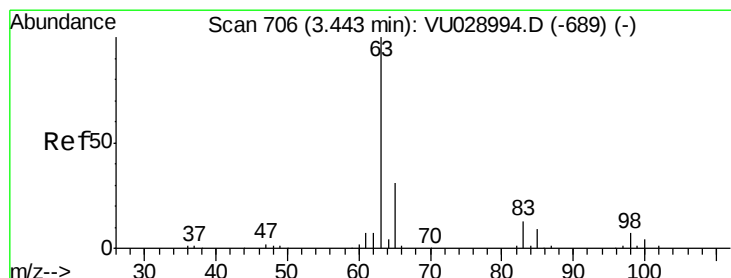
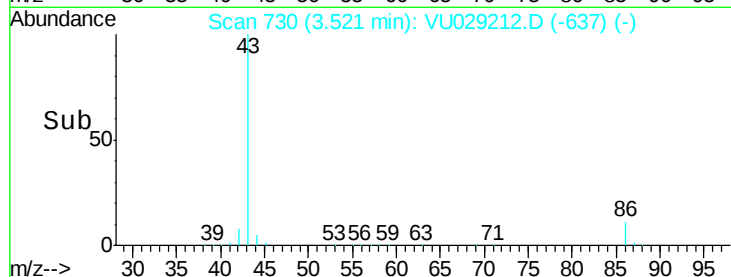
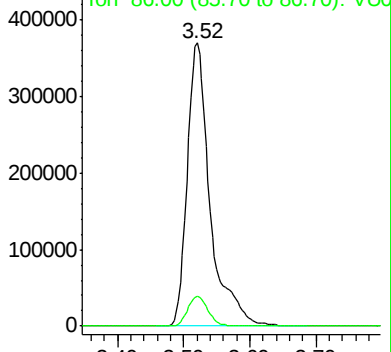
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Abundance Ion 43.00 (42.70 to 43.70): VU029212.D (-637) (-)



#24

1,1-Dichloroethane

Concen: 50.475 ug/l

RT: 3.44 min Scan# 705

Delta R.T. -0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

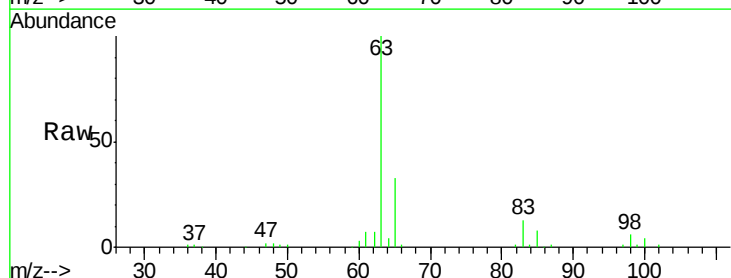
Tgt Ion: 63 Resp: 124452

Ion Ratio Lower Upper

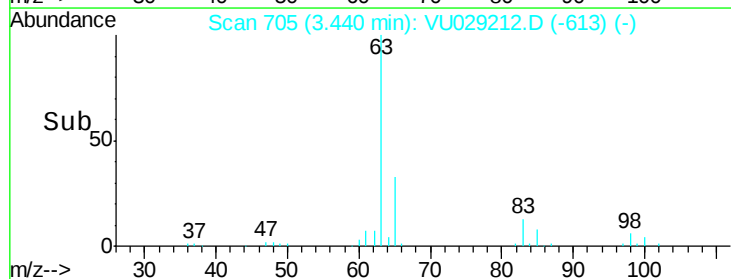
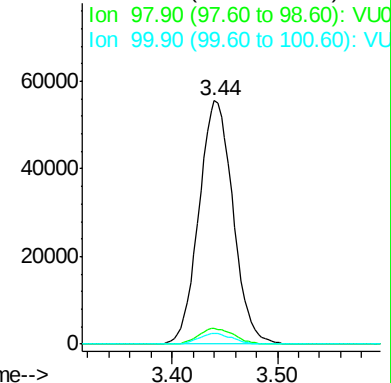
63 100

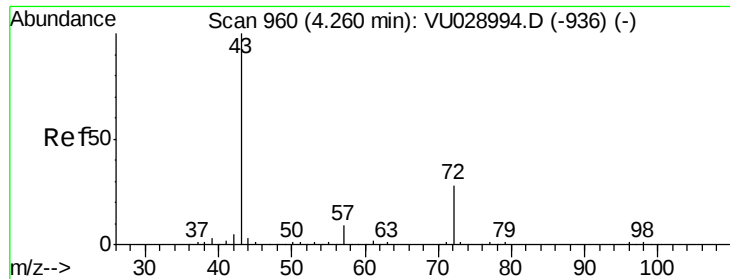
98 6.4 3.4 10.1

100 4.5 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU029212.D (-613) (-)





#25

2-Butanone

Concen: 245.746 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 293542

Ion Ratio Lower Upper

43 100

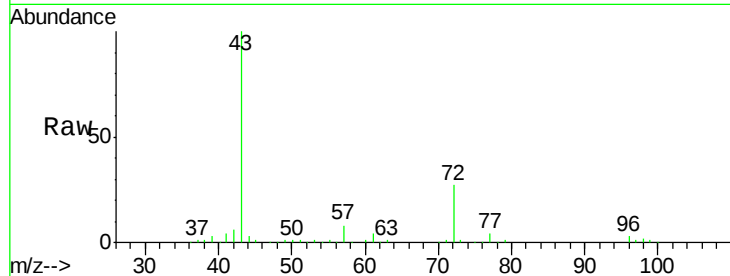
72 27.2 22.6 33.8

Manual Integrations

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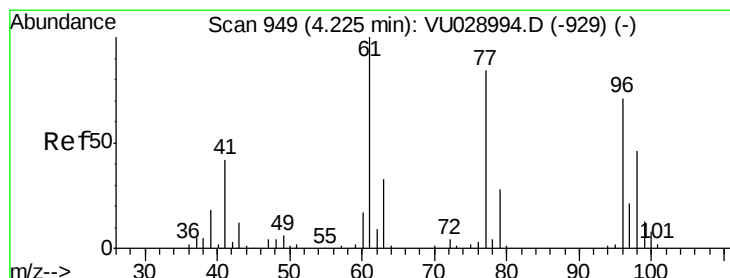
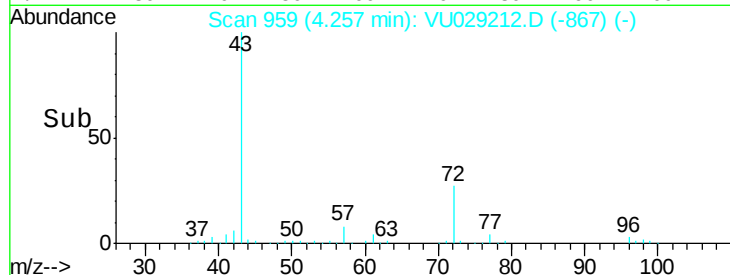
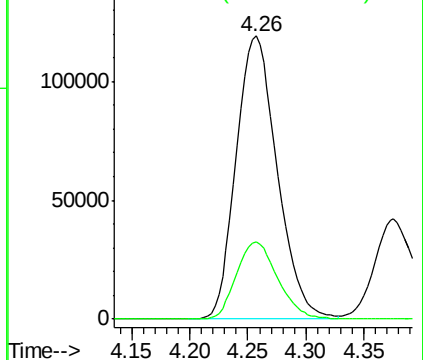
MMDadoda

1/17/2019 9:43:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 49.783 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU029212.D

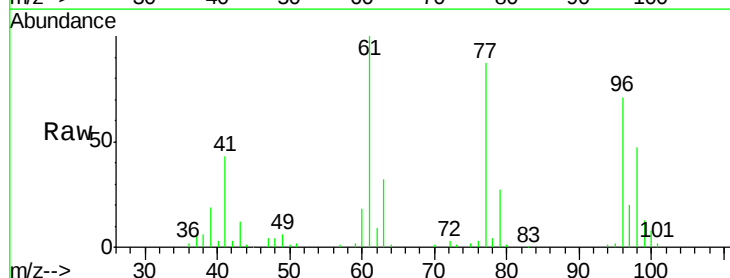
Acq: 16 Jan 2019 16:55

Tgt Ion: 77 Resp: 99181

Ion Ratio Lower Upper

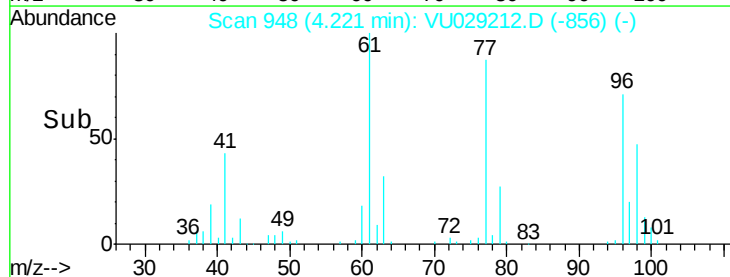
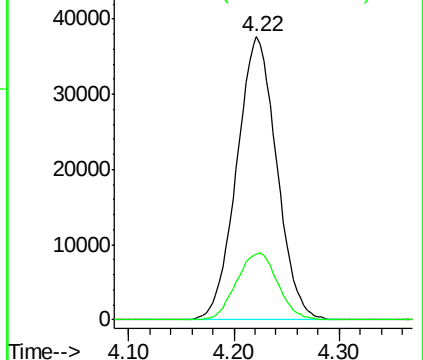
77 100

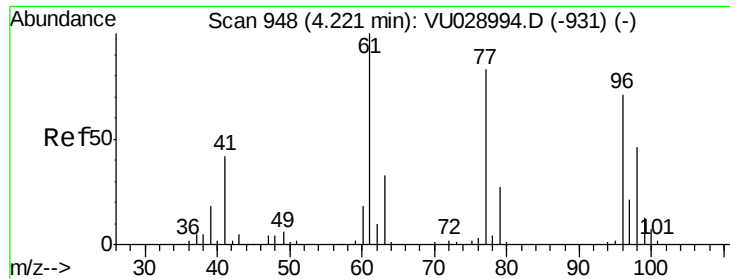
97 24.2 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

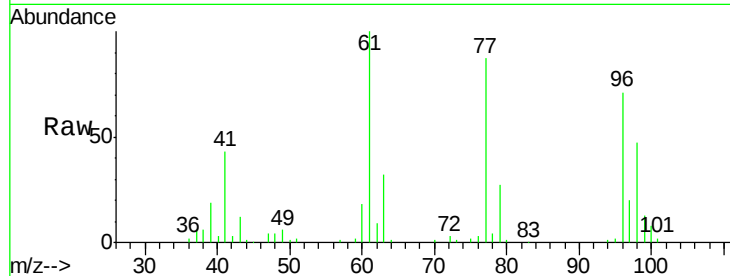
cis-1,2-Dichloroethene
Concen: 48.988 ug/l
RT: 4.22 min Scan# 948
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	285.6
98	65.6	0.0	130.2

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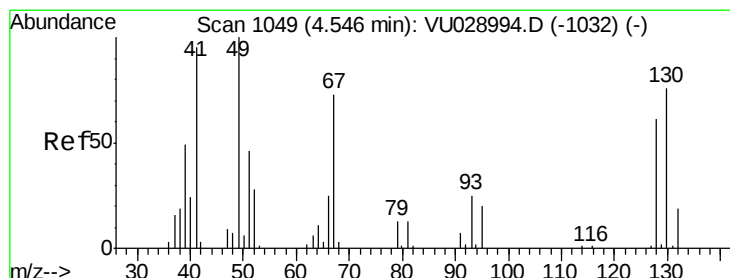
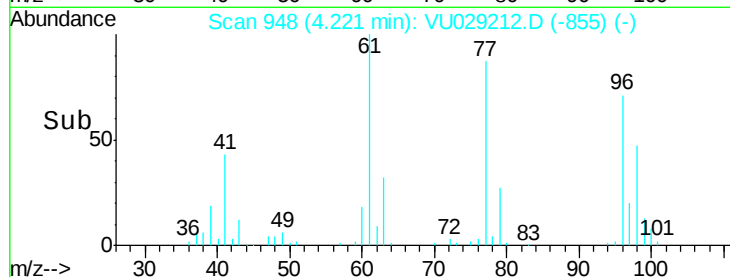
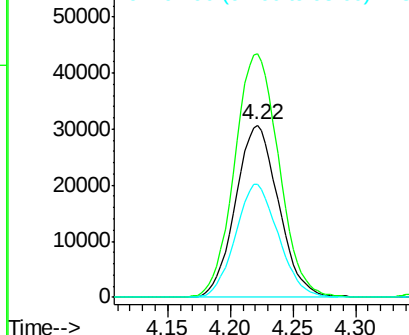


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

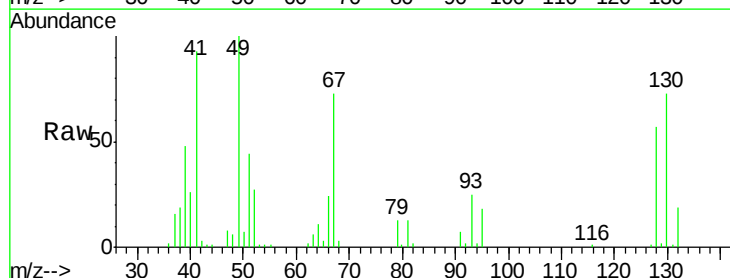
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 52.499 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	75.2	62.9	94.3

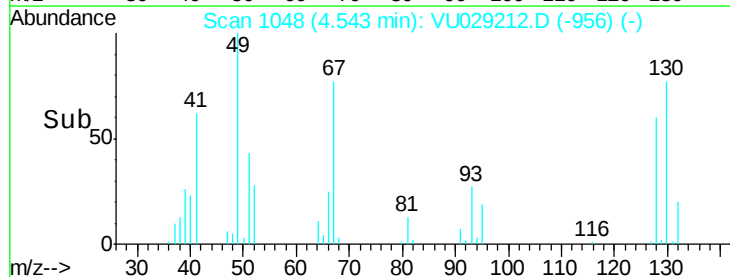
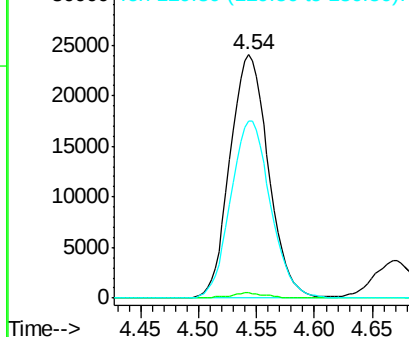


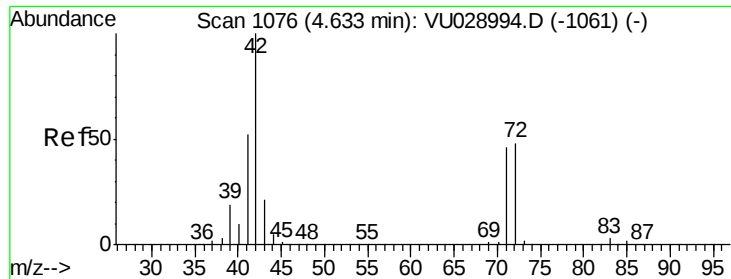
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





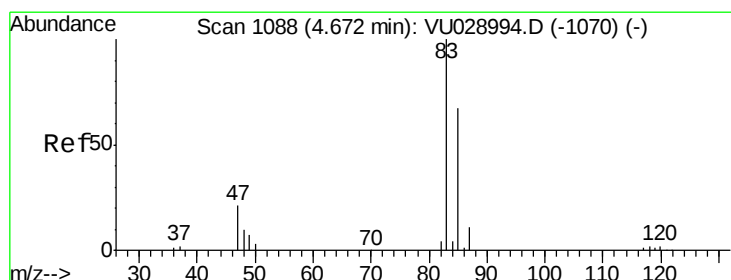
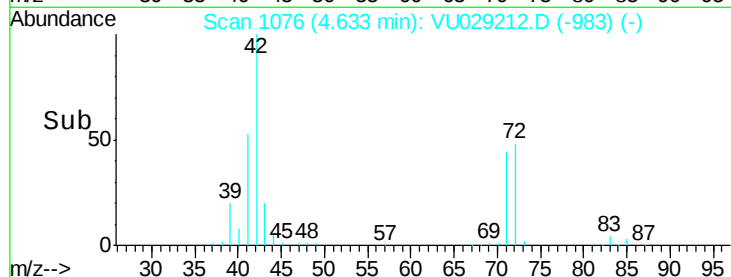
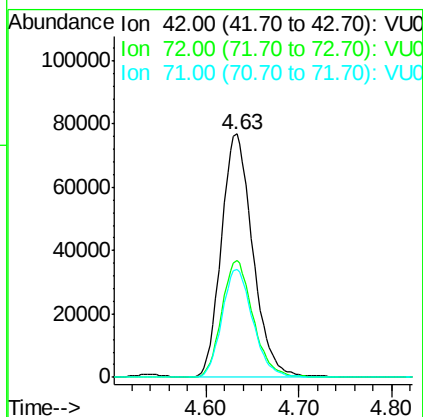
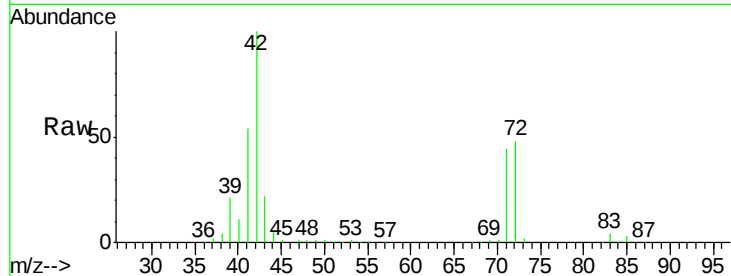
#29
Tetrahydrofuran
Concen: 248.586 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	38.3	57.5
71	43.9	36.1	54.1

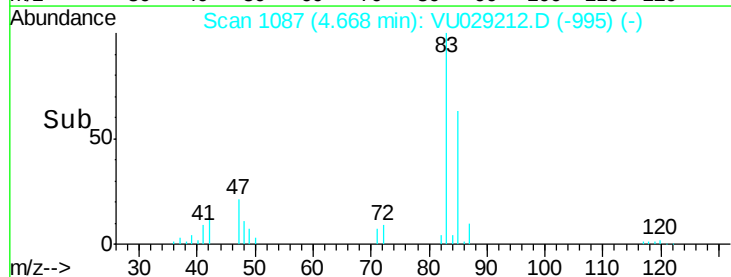
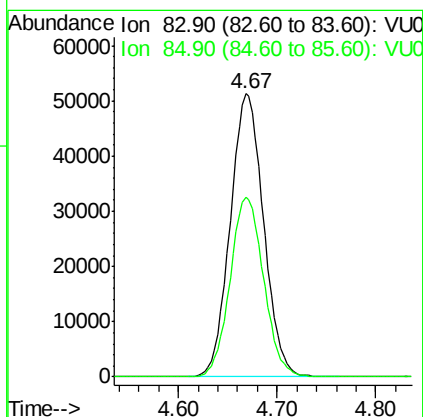
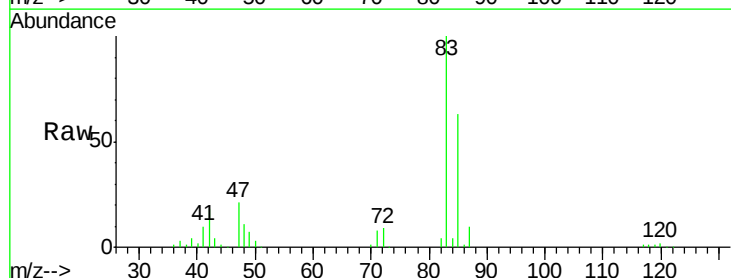
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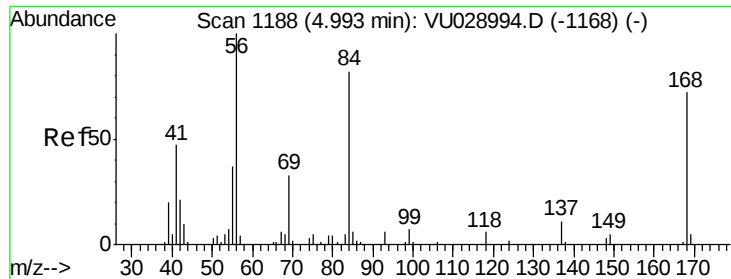
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#30
Chloroform
Concen: 51.382 ug/l
RT: 4.67 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	53.4	80.0





#31

Cyclohexane

Concen: 46.553 ug/l

RT: 4.99 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 108533

Ion Ratio Lower Upper

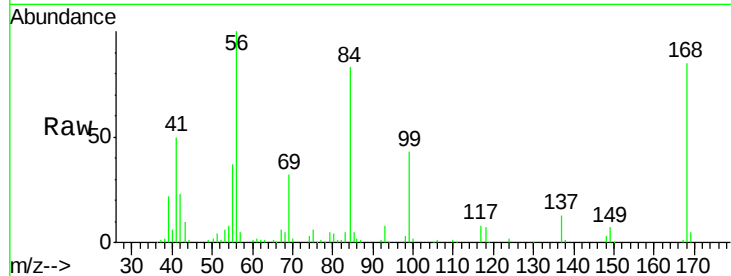
56 100

69 32.3 26.7 40.1

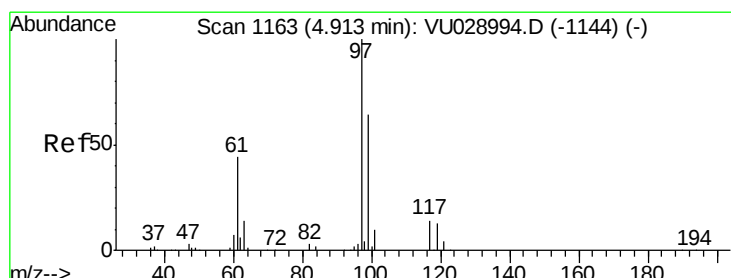
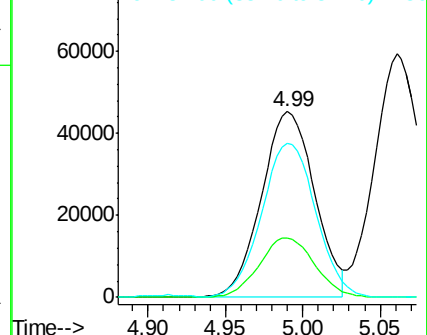
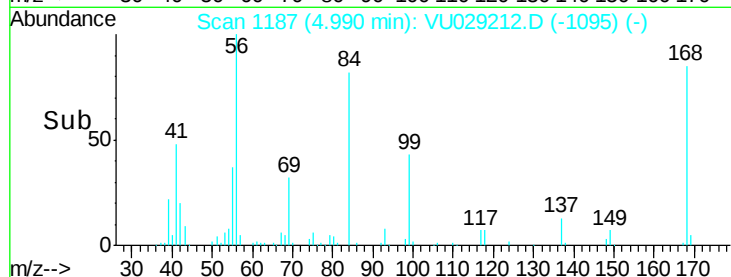
84 82.7 65.7 98.5

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Abundance Ion 56.00 (55.70 to 56.70): VU029212.D (-1095) (-)



#32

1,1,1-Trichloroethane

Concen: 49.163 ug/l

RT: 4.91 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

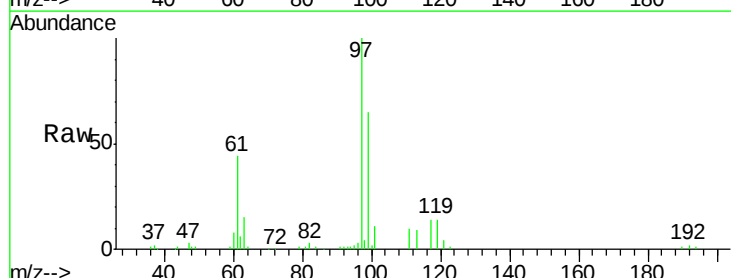
Tgt Ion: 97 Resp: 95399

Ion Ratio Lower Upper

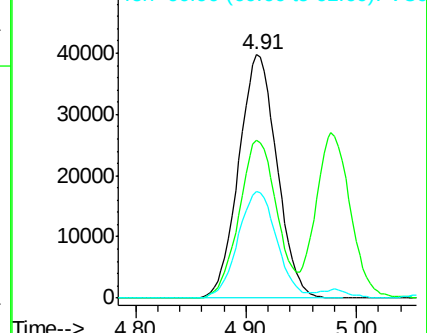
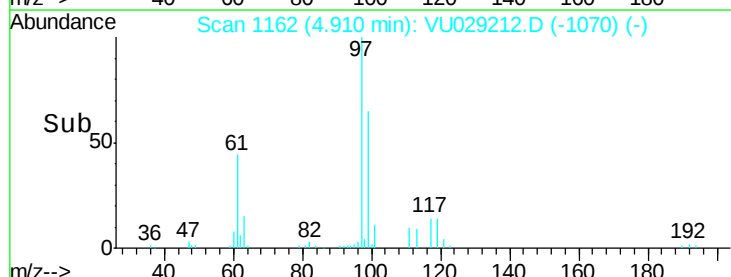
97 100

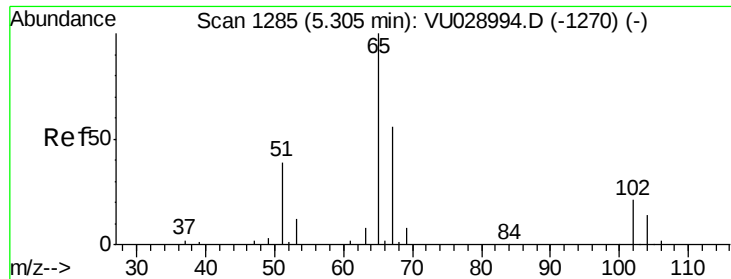
99 64.9 51.0 76.4

61 44.6 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VU029212.D (-1070) (-)





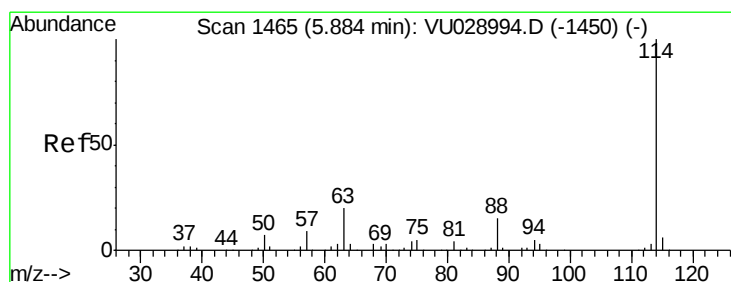
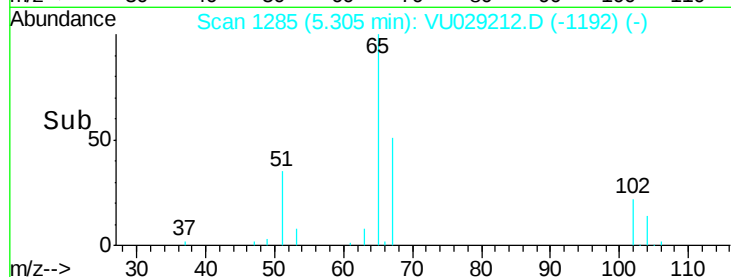
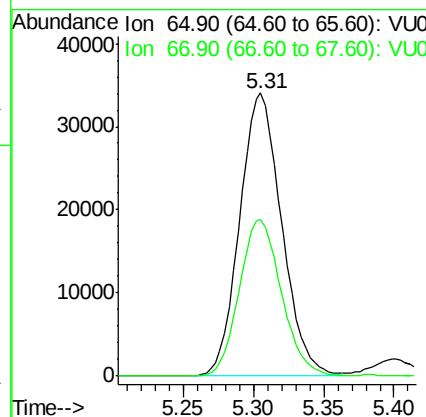
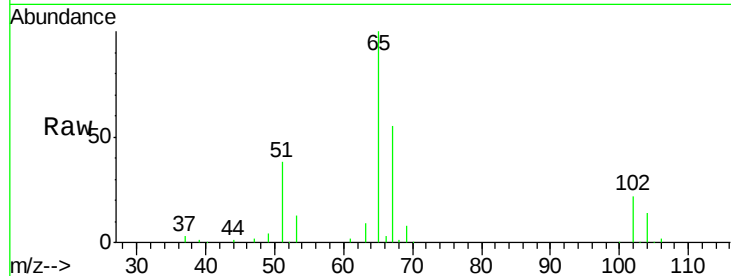
#33
 1,2-Dichloroethane-d4
 Concen: 50.632 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	111.0

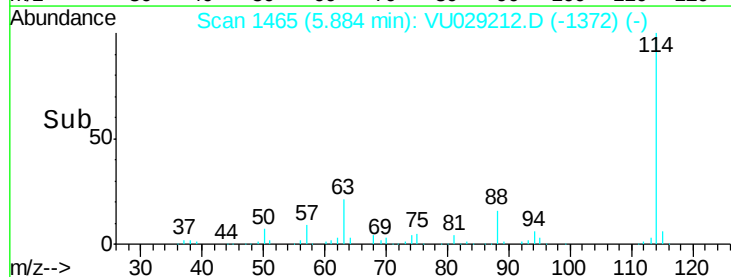
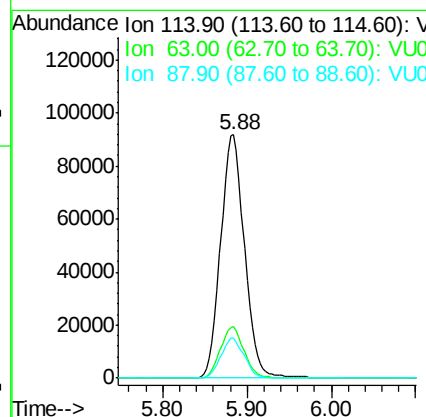
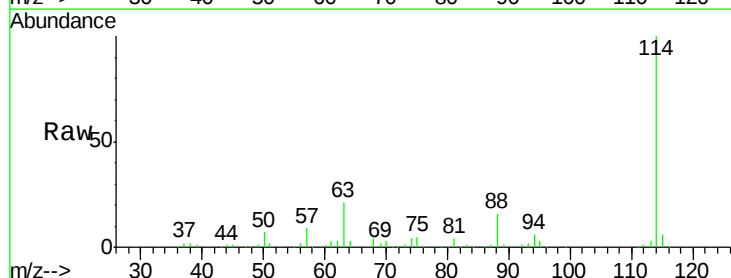
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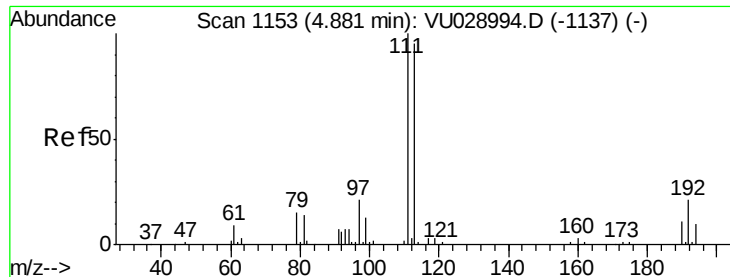
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.2
88	16.3	0.0	30.4





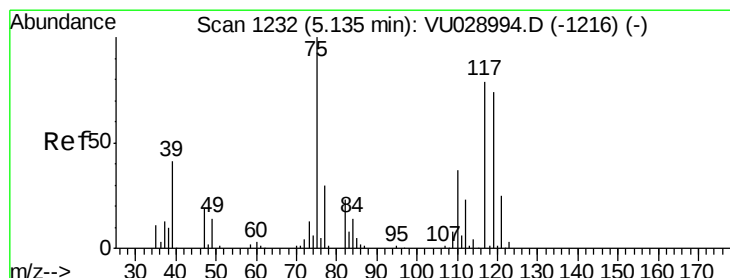
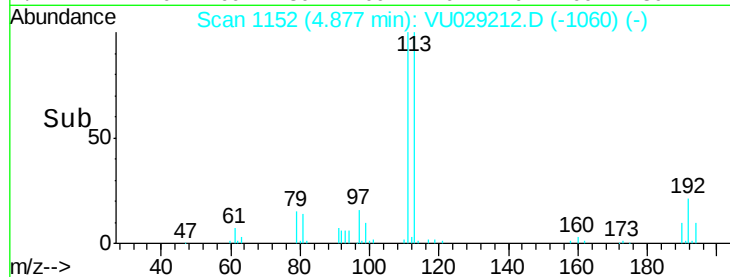
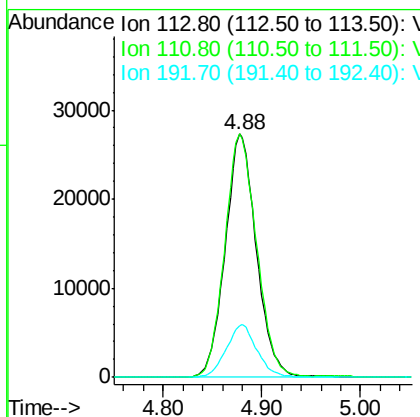
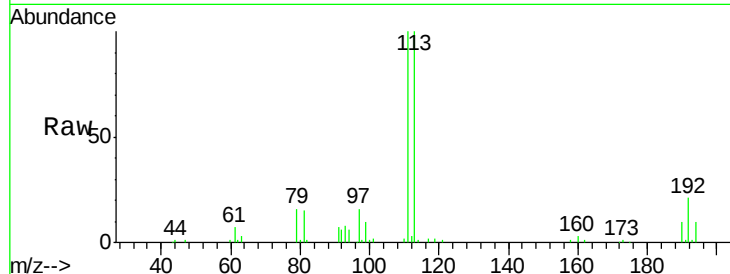
#35
 Dibromofluoromethane
 Concen: 51.128 ug/l
 RT: 4.88 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.2
192	21.3	16.8	25.2

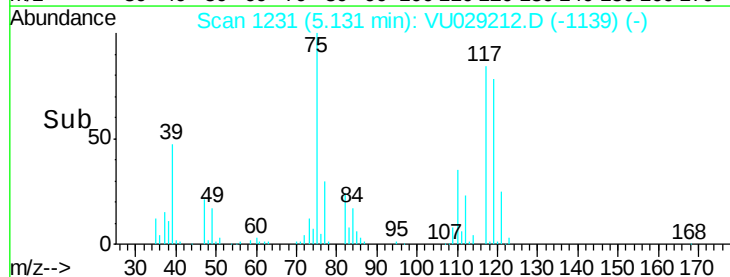
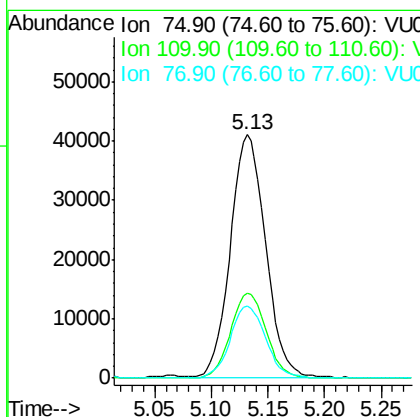
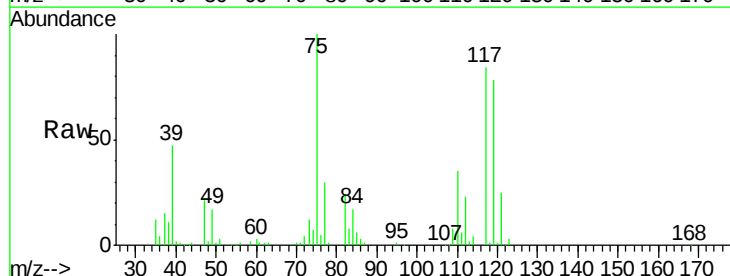
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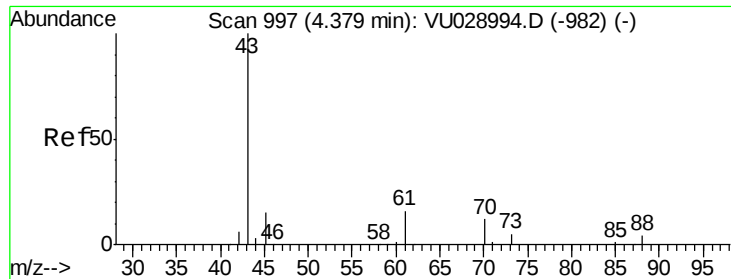
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#36
 1,1-Dichloropropene
 Concen: 48.643 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.4	55.4
77	30.3	25.1	37.7





#37

Ethyl Acetate

Concen: 51.331 ug/l

RT: 4.38 min Scan# 996

Delta R.T. -0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Instrument :

MSVOA_U

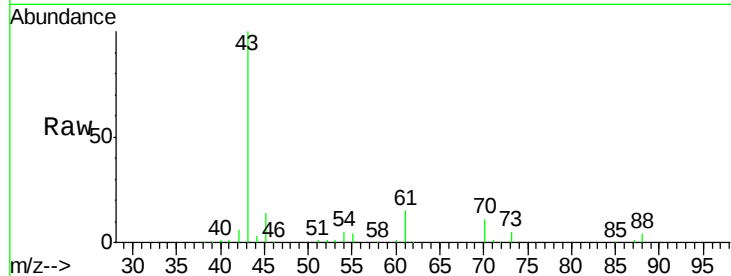
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	102081
Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.6	18.8
70	11.1	9.3	13.9

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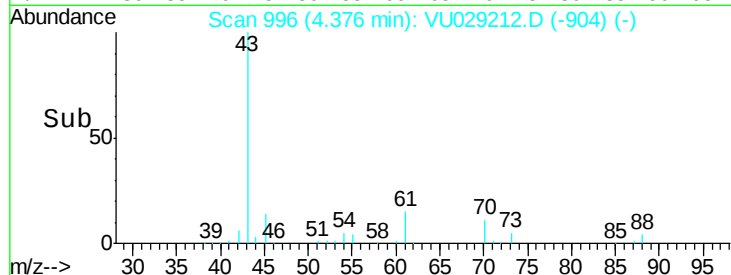


Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-982) (-)

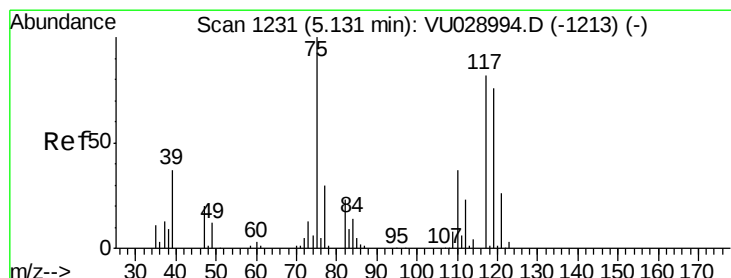
Ion 60.90 (60.60 to 61.60): VU028994.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028994.D (-982) (-)

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 52.498 ug/l

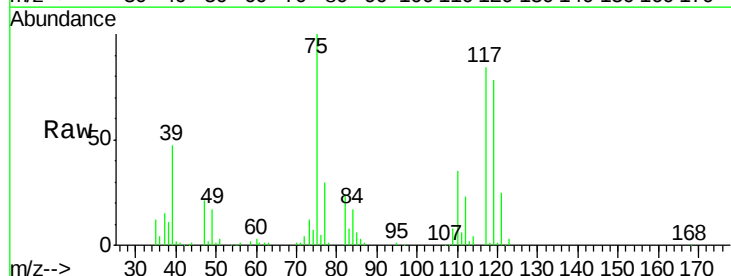
RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Tgt Ion:	117	Resp:	79330
Ion	Ratio	Lower	Upper
117	100		
119	93.7	74.6	111.8
121	29.7	25.0	37.6

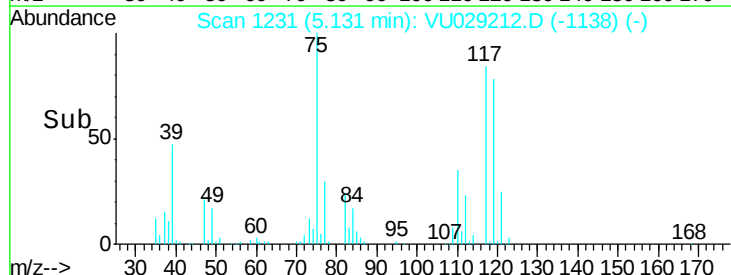


Abundance Ion 116.80 (116.50 to 117.50): VU028994.D (-1213) (-)

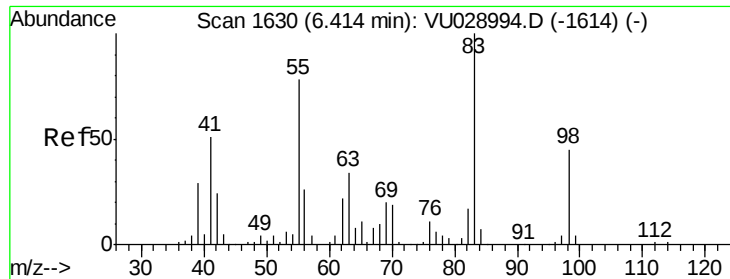
Ion 118.80 (118.50 to 119.50): VU028994.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU028994.D (-1213) (-)

Time-->



Time-->



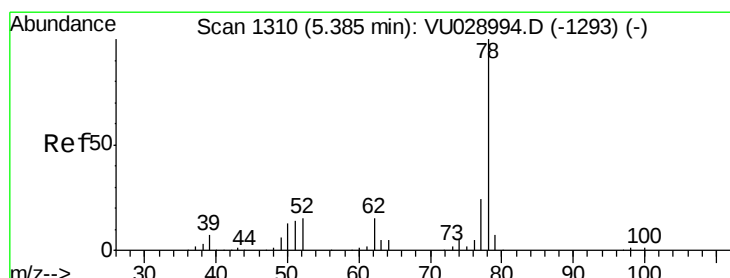
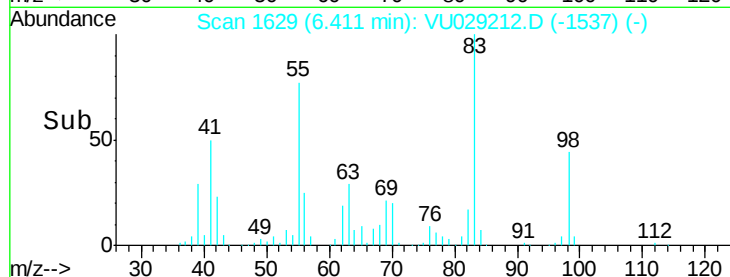
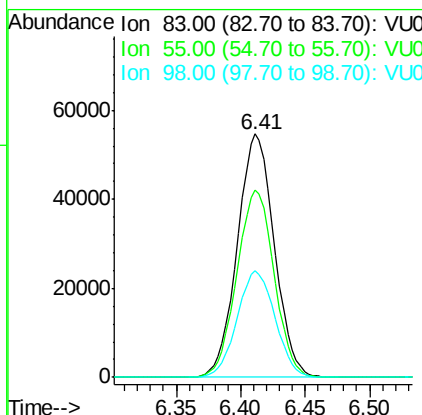
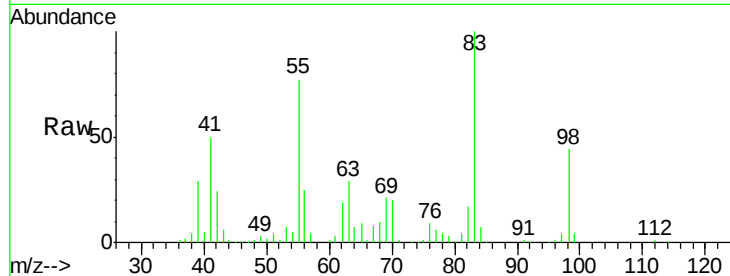
#39
Methylvlcyclohexane
Concen: 48.904 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	108926
Ion Ratio	Lower	Upper	
83	100		
55	77.1	62.4	93.6
98	43.7	36.2	54.2

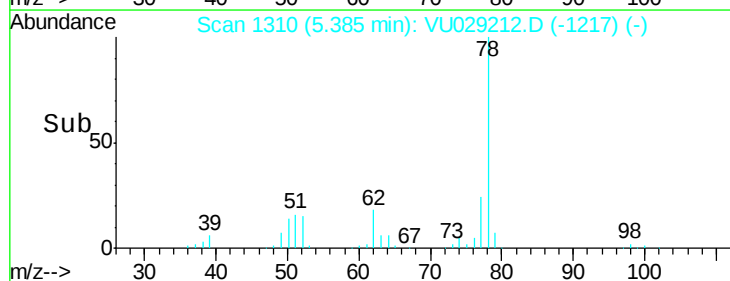
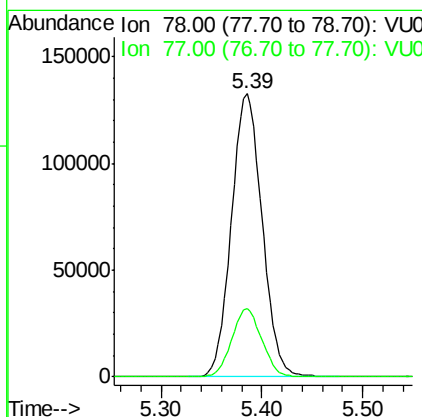
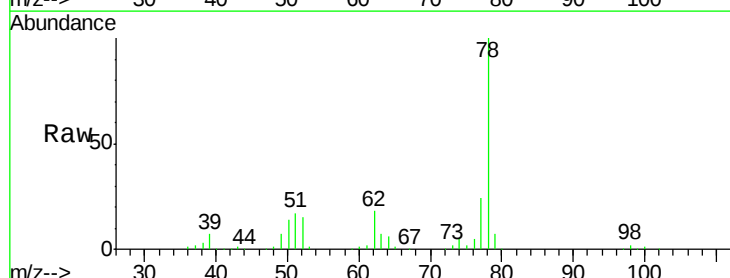
Manual Integrations
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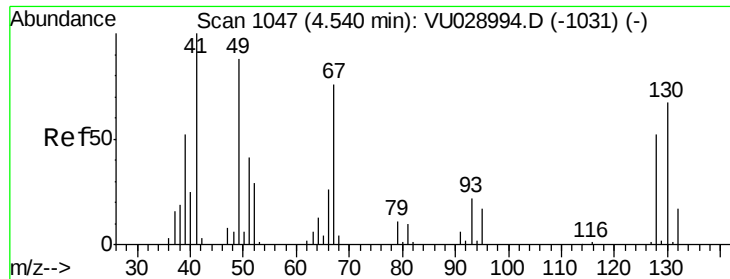
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#40
Benzene
Concen: 49.750 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Tgt Ion	78	Resp	281157
Ion Ratio	Lower	Upper	
78	100		
77	24.2	18.9	28.3





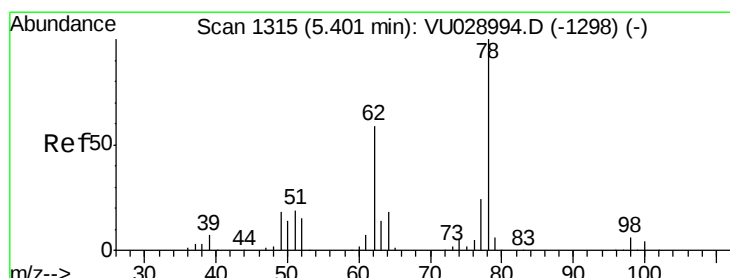
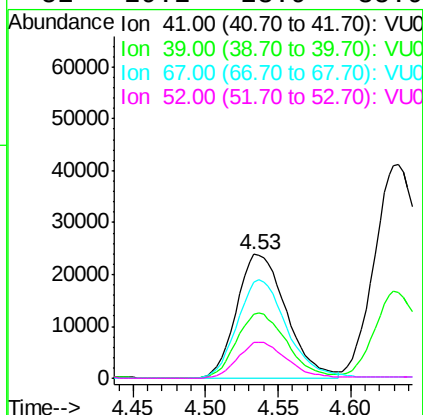
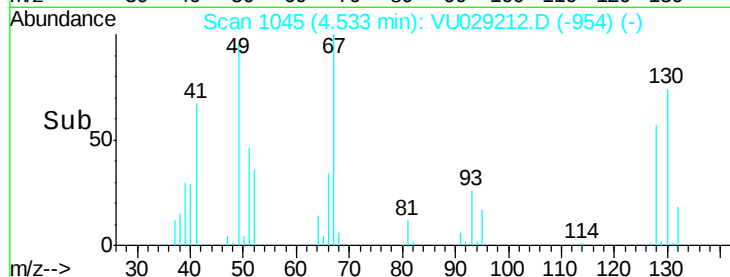
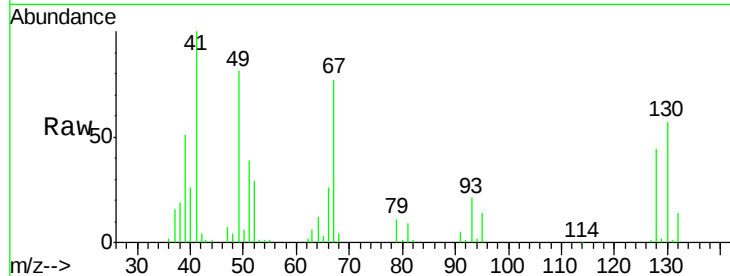
#41
Methacrylonitrile
Concen: 53.695 ug/l
RT: 4.53 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	42.3	63.5	
67	79.8	64.4	96.6	
52	29.2	23.9	35.9	

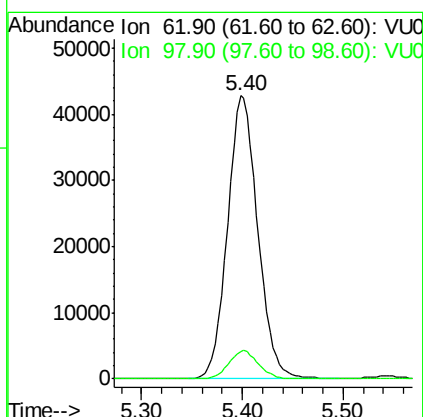
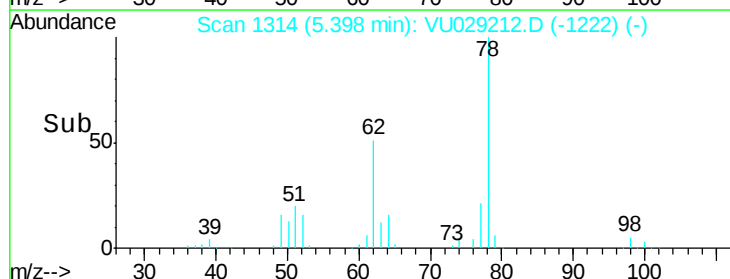
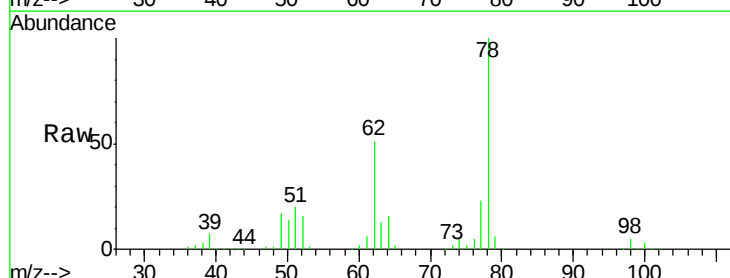
Manual Integrations
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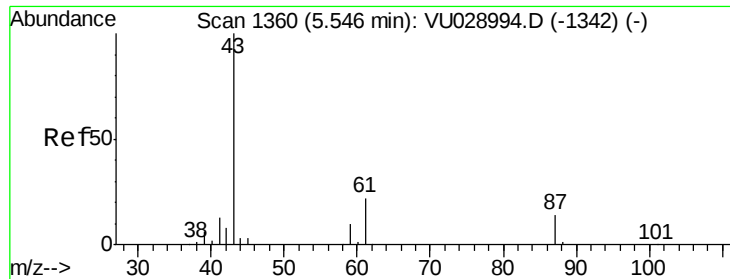
MMDadoda
1/17/2019 9:43:47 AM



#42
1,2-Dichloroethane
Concen: 52.601 ug/l
RT: 5.40 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	19.6	





#43

Isopropyl Acetate

Concen: 53.546 ug/l

RT: 5.54 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Instrument :

MSVOA_U

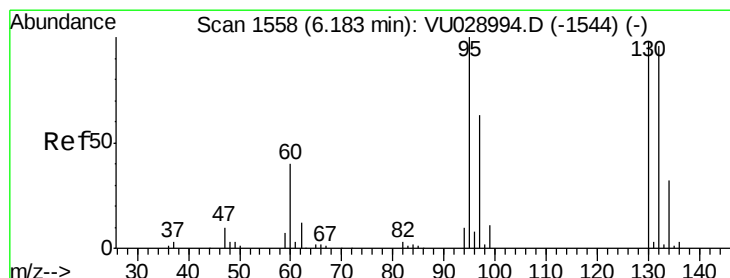
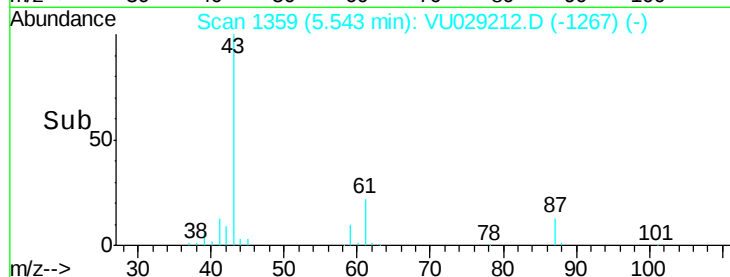
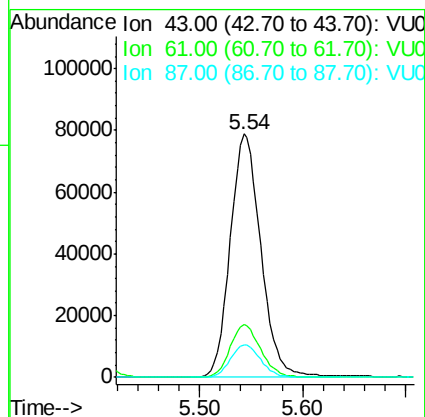
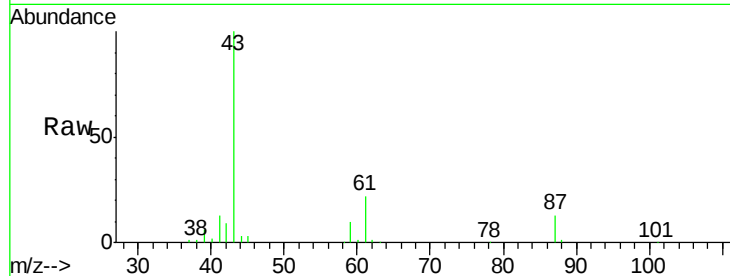
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	163350
Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.8	26.6
87	13.3	11.3	16.9

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#44

Trichloroethene

Concen: 47.776 ug/l

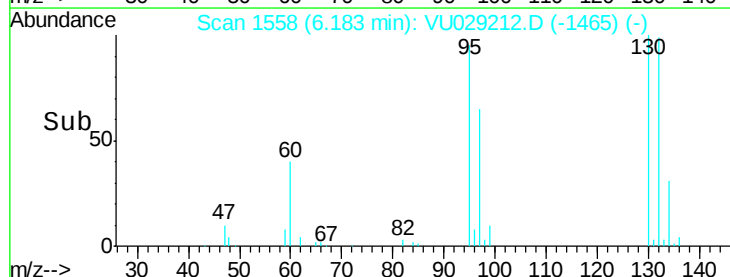
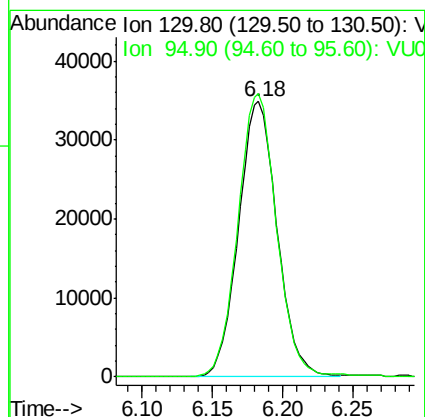
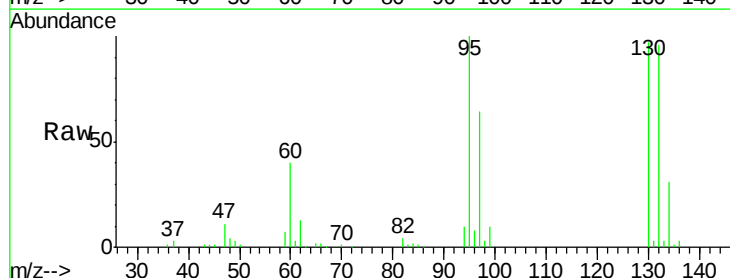
RT: 6.18 min Scan# 1558

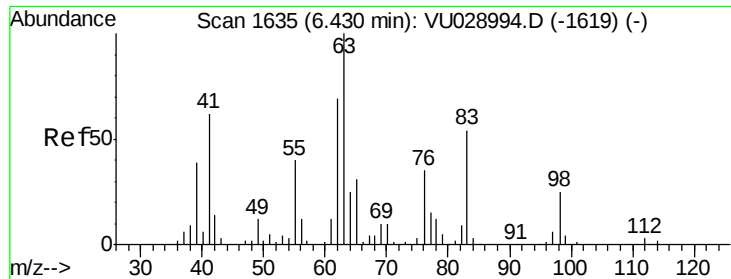
Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Tgt Ion:	130	Resp:	66899
Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	205.0





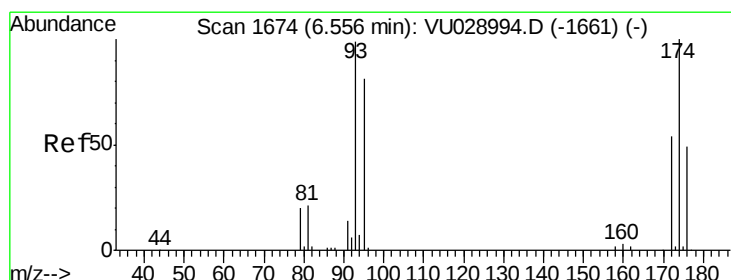
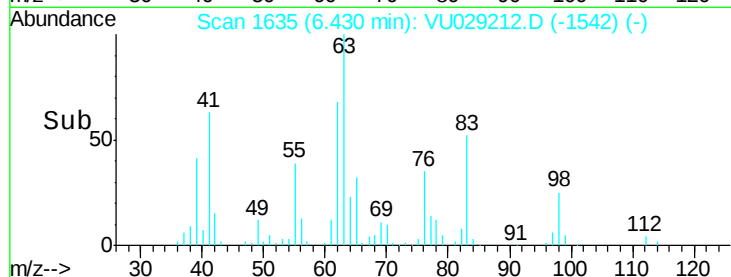
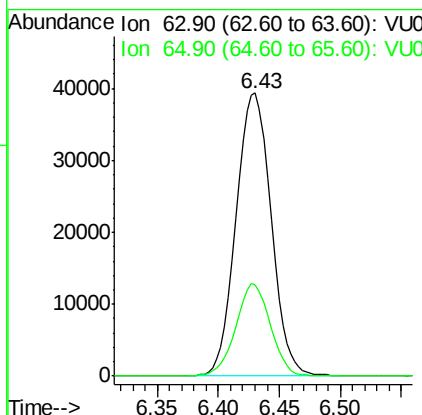
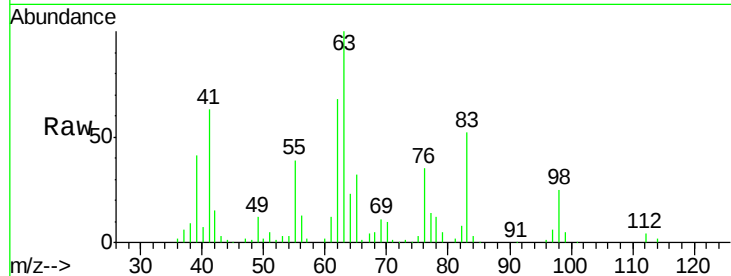
#45
 1,2-Dichloropropane
 Concen: 52.649 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 78574
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.1 37.7

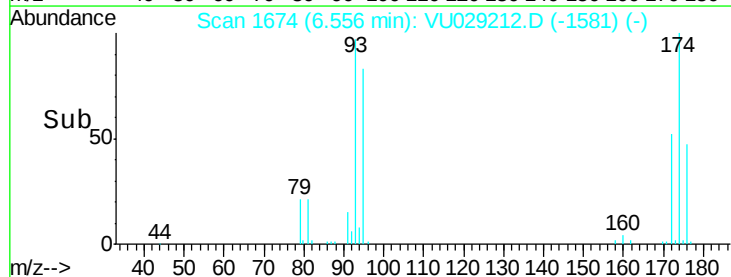
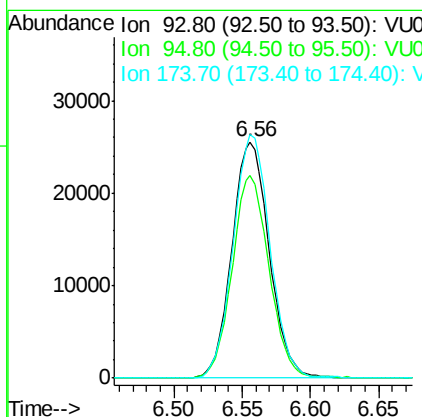
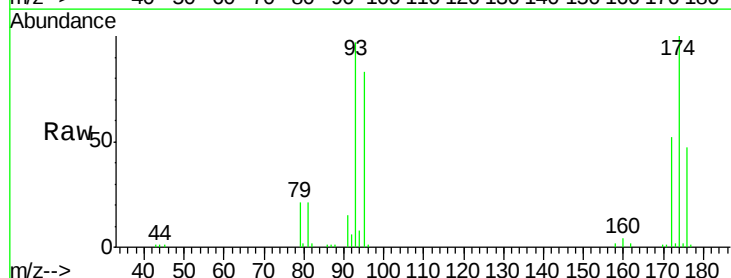
Manual Integrations
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 1/17/2019 9:43:47 AM



#46
 Dibromomethane
 Concen: 50.874 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Tgt Ion: 93 Resp: 48536
 Ion Ratio Lower Upper
 93 100
 95 84.8 67.2 100.8
 174 102.0 82.6 123.8





#47

Bromodichloromethane

Concen: 52.766 ug/l

RT: 6.75 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Instrument :

MSVOA_U

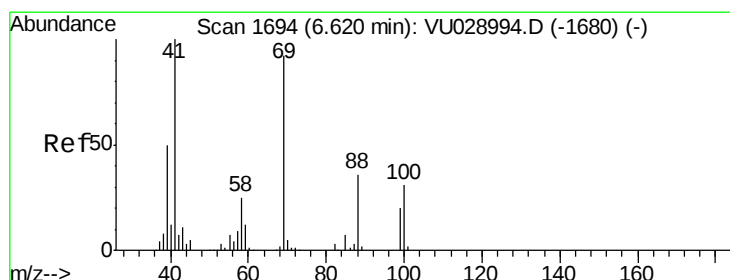
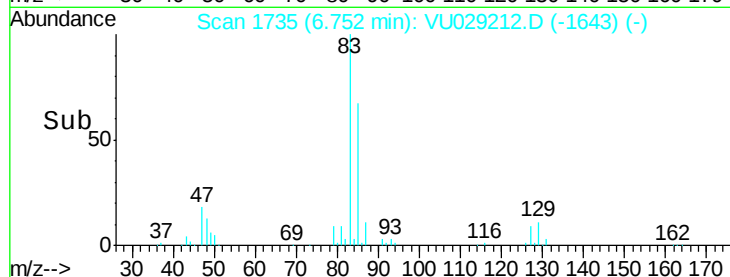
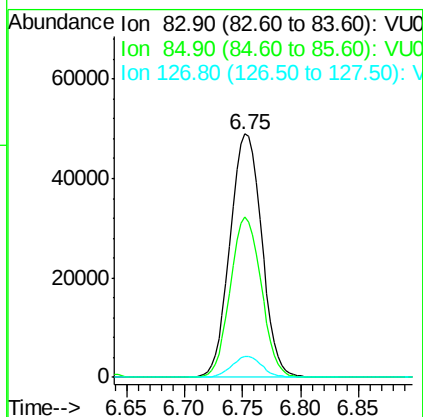
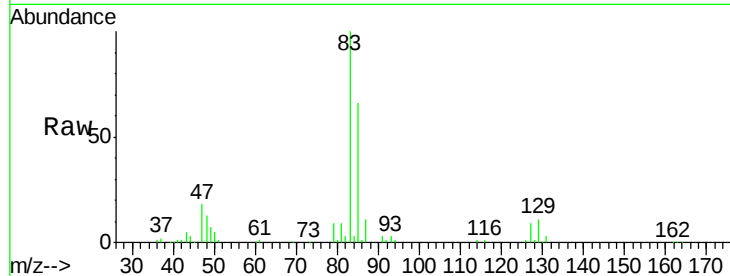
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	92686
Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.4	77.2
127	8.7	7.0	10.4

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#48

Methyl methacrylate

Concen: 54.642 ug/l

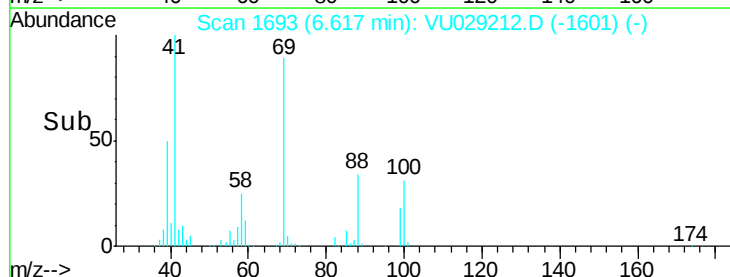
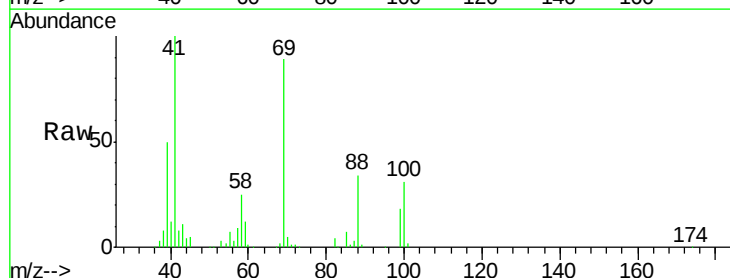
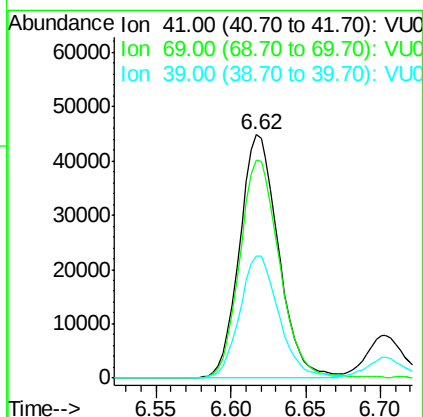
RT: 6.62 min Scan# 1693

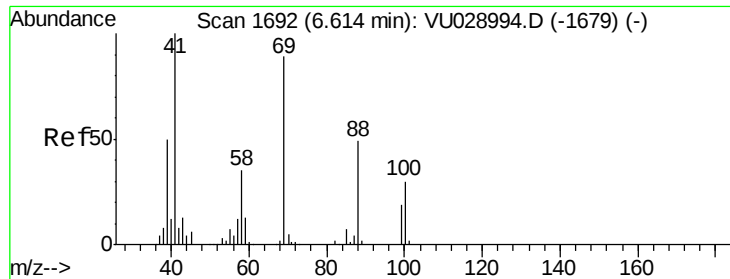
Delta R.T. -0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Tgt Ion:	41	Resp:	81168
Ion	Ratio	Lower	Upper
41	100		
69	91.7	73.6	110.4
39	50.5	39.6	59.4





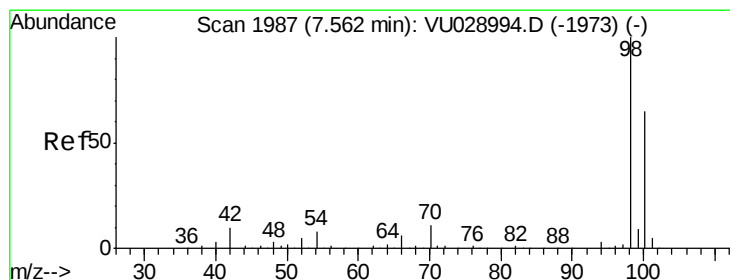
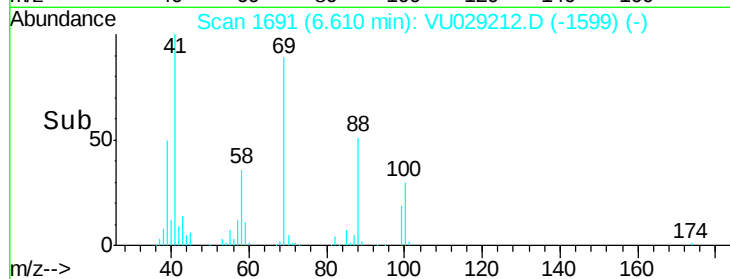
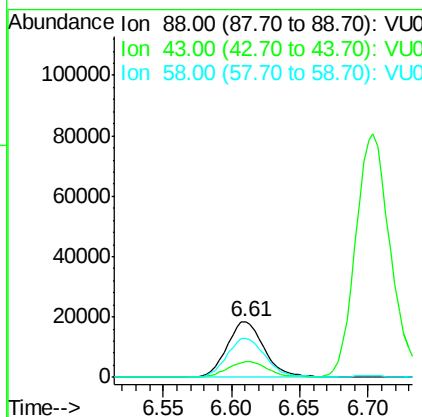
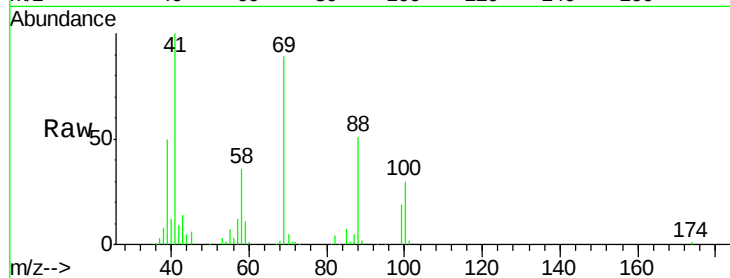
#49
1,4-Dioxane
Concen: 979.502 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	23.0	34.4
58	73.6	57.9	86.9

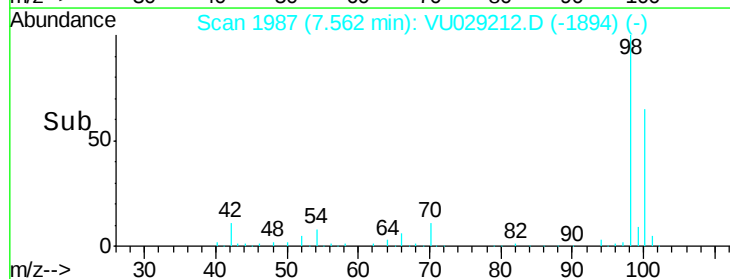
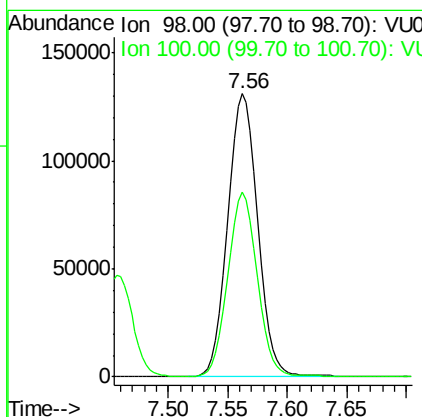
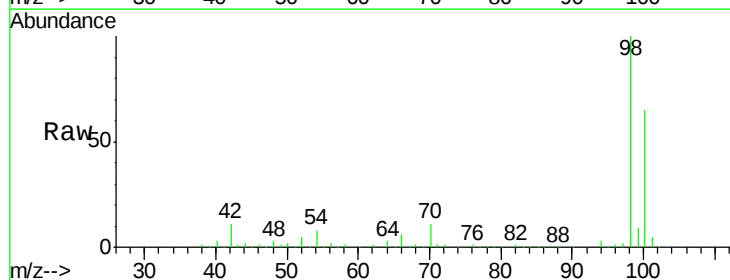
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#50
Toluene-d8
Concen: 49.504 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 264.565 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 549274

Ion Ratio Lower Upper

43 100

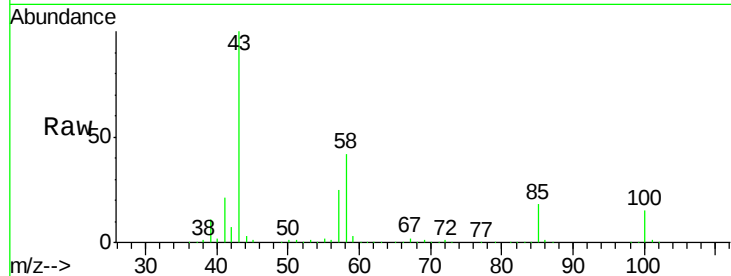
58 42.0 33.9 50.9

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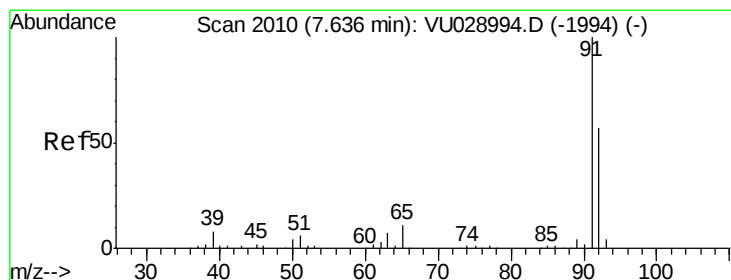
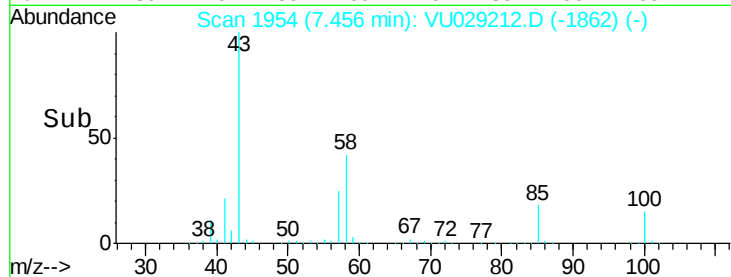
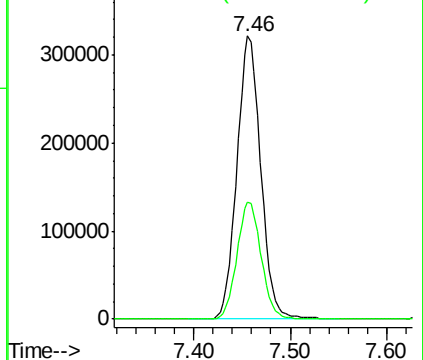
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 50.143 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029212.D

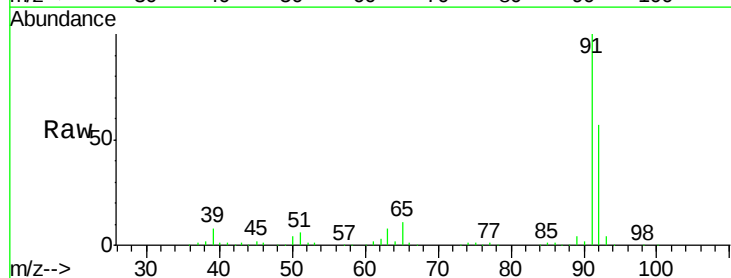
Acq: 16 Jan 2019 16:55

Tgt Ion: 92 Resp: 172511

Ion Ratio Lower Upper

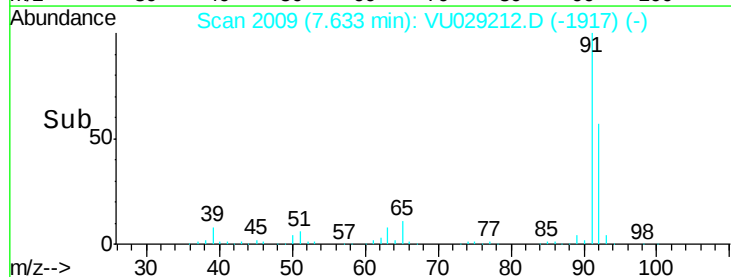
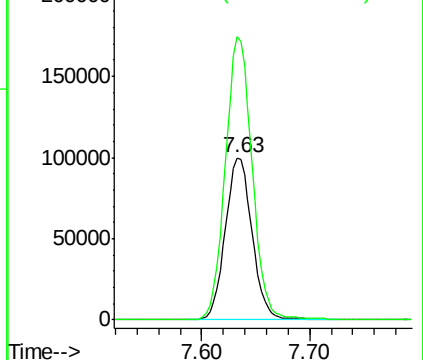
92 100

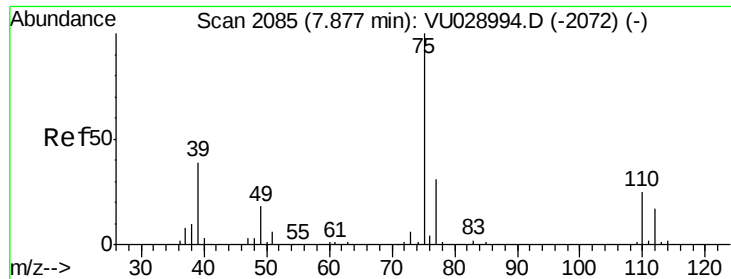
91 175.0 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





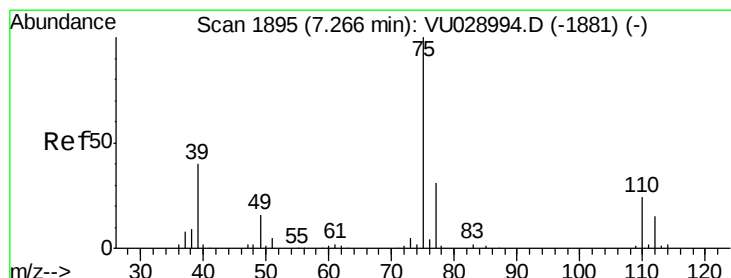
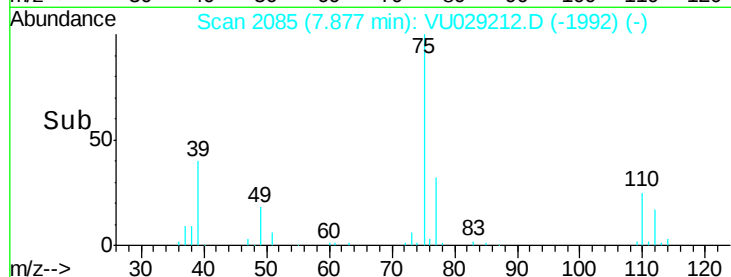
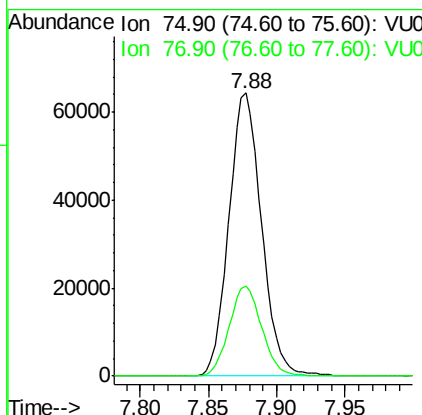
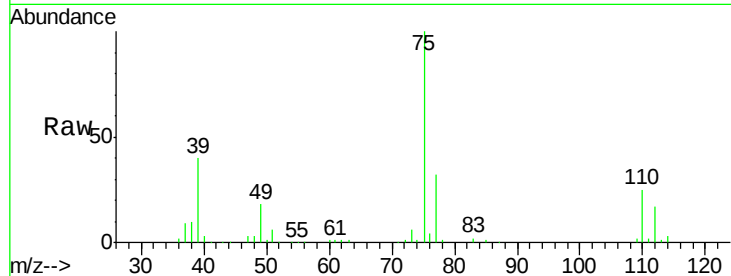
#53
 t-1,3-Dichloropropene
 Concen: 50.794 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 107180
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.4

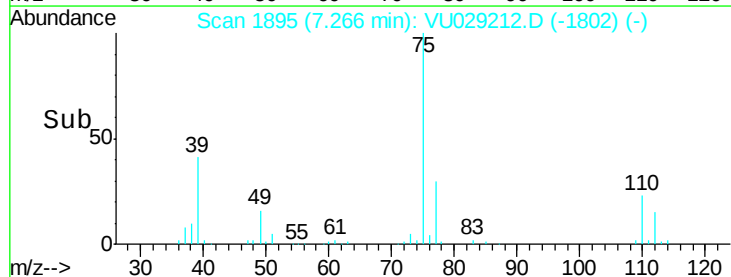
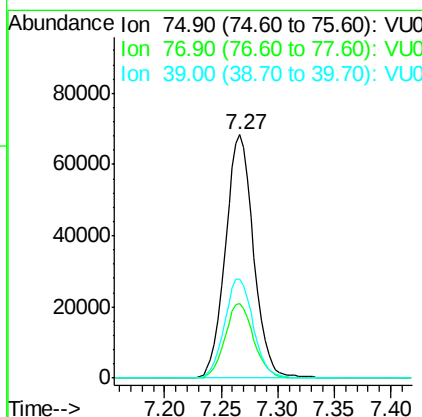
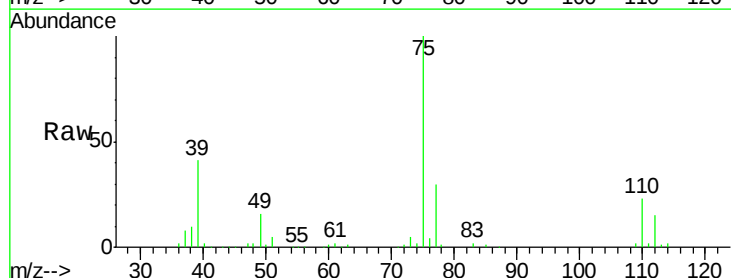
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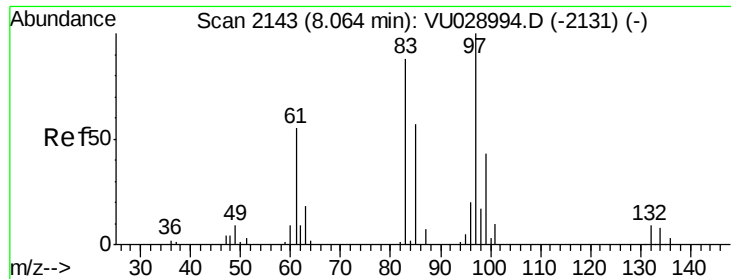
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#54
 cis-1,3-Dichloropropene
 Concen: 51.802 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Tgt Ion: 75 Resp: 118111
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.0 37.6
 39 40.9 32.2 48.4





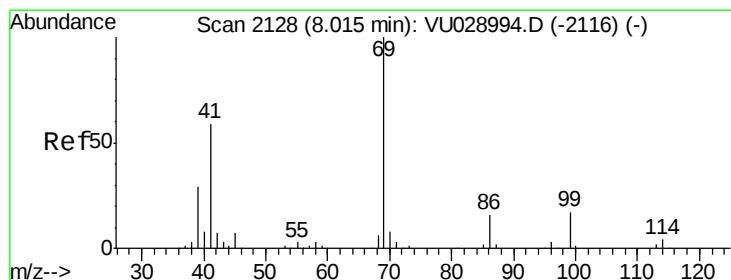
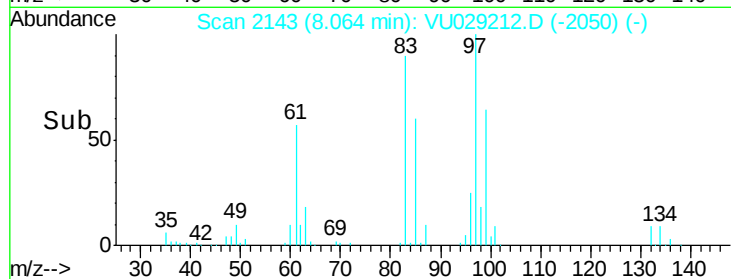
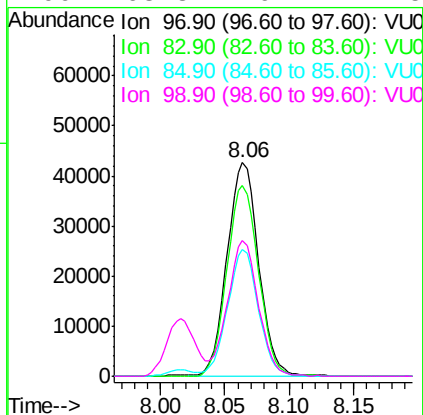
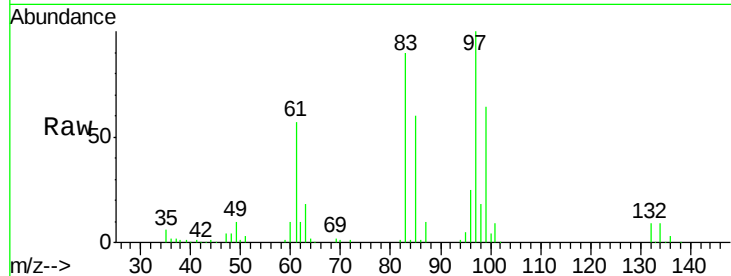
#55
 1,1,2-Trichloroethane
 Concen: 52.892 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	72900
Ion	Ratio	Lower	Upper
97	100		
83	89.6	69.8	104.8
85	59.6	47.3	70.9
99	63.3	49.7	74.5

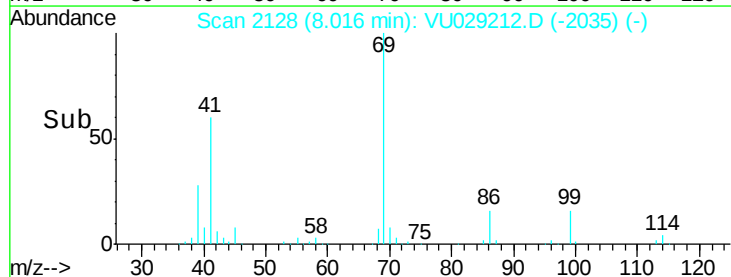
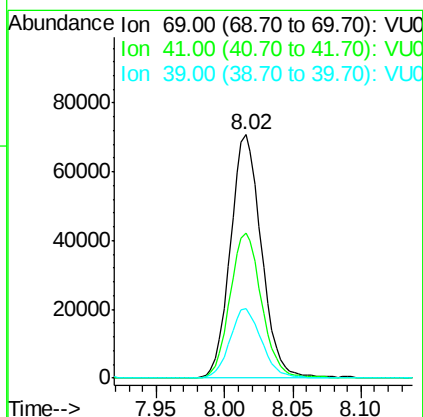
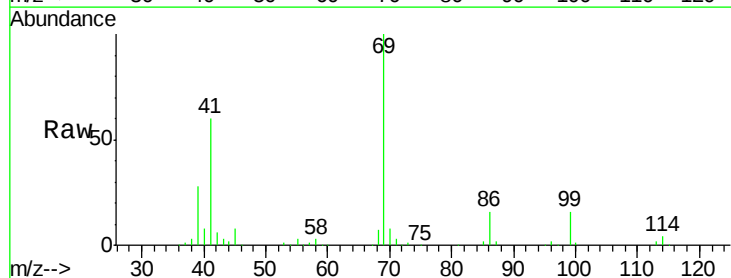
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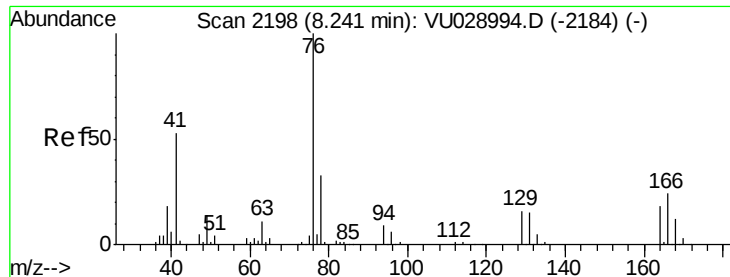
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#56
 Ethyl methacrylate
 Concen: 52.747 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Tgt Ion:	69	Resp:	112001
Ion	Ratio	Lower	Upper
69	100		
41	60.9	47.5	71.3
39	28.8	22.5	33.7





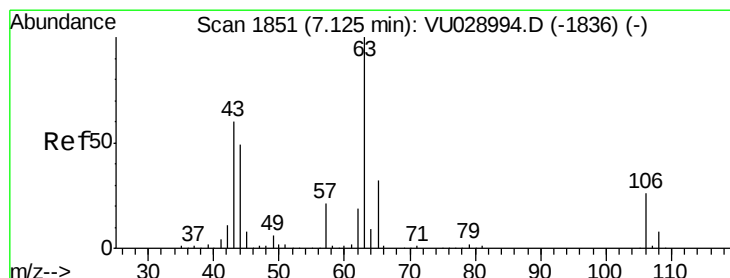
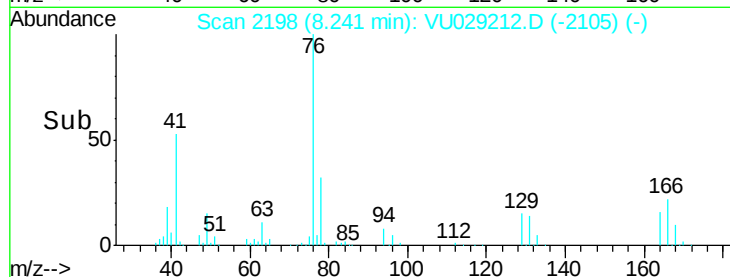
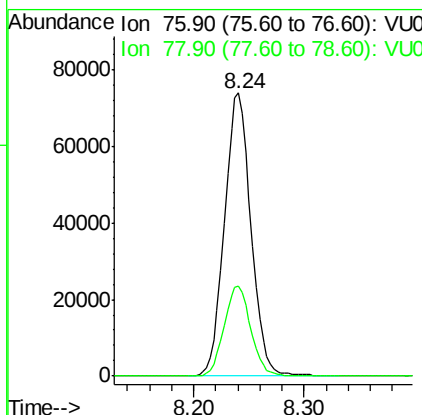
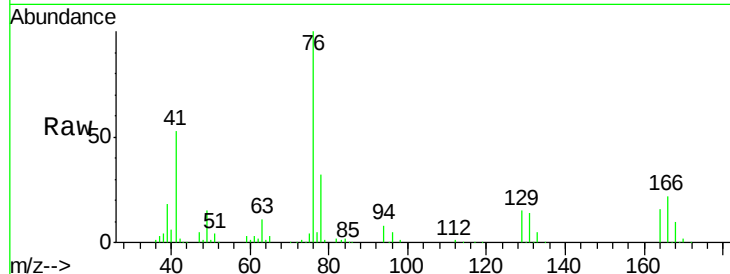
#57
 1,3-Dichloropropane
 Concen: 52.189 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 123081
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.0 39.0

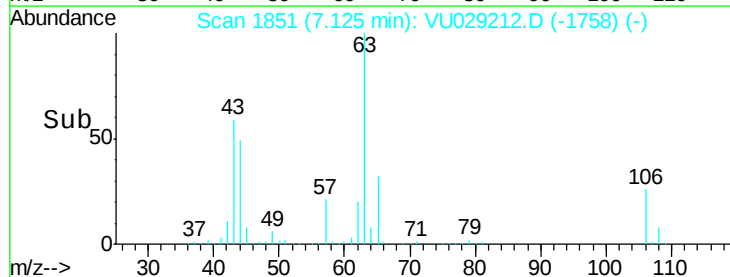
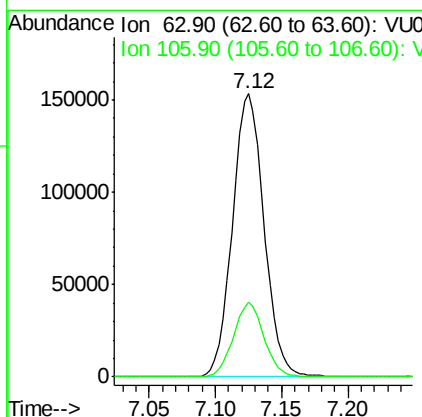
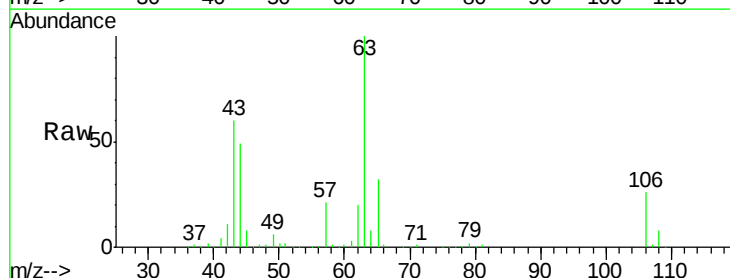
Manual Integrations
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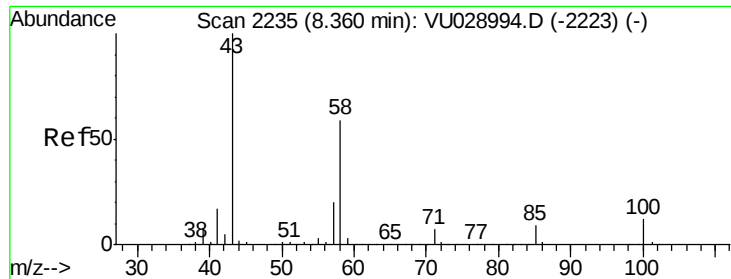
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 271.432 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Tgt Ion: 63 Resp: 253469
 Ion Ratio Lower Upper
 63 100
 106 25.6 20.6 31.0





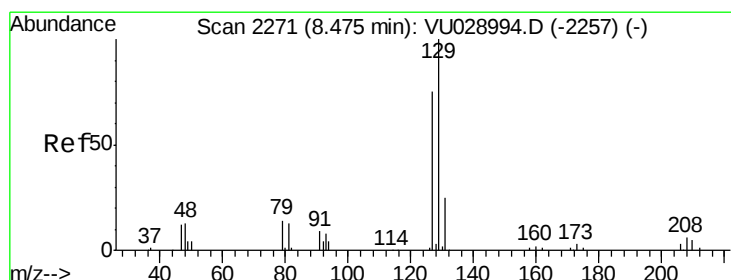
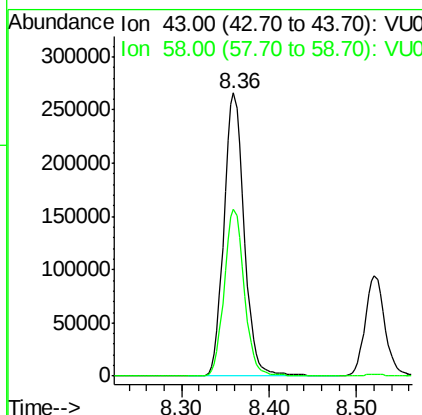
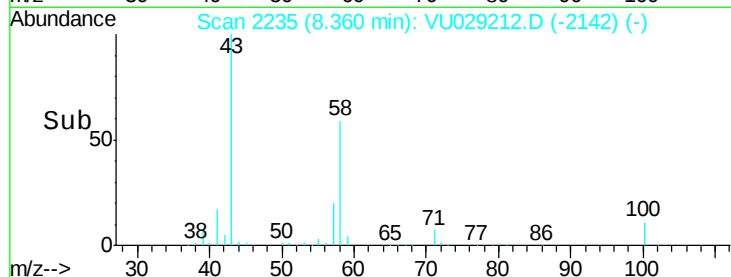
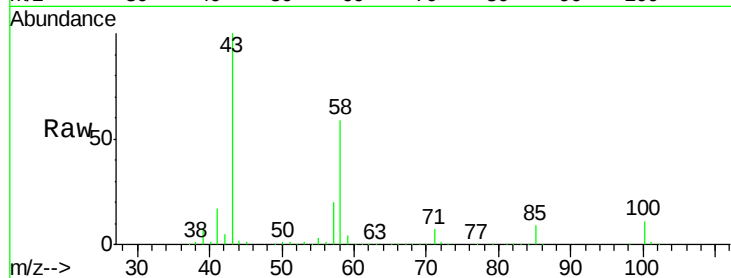
#59
2-Hexanone
Concen: 262.273 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 427426
Ion Ratio Lower Upper
43 100
58 58.4 29.8 89.4

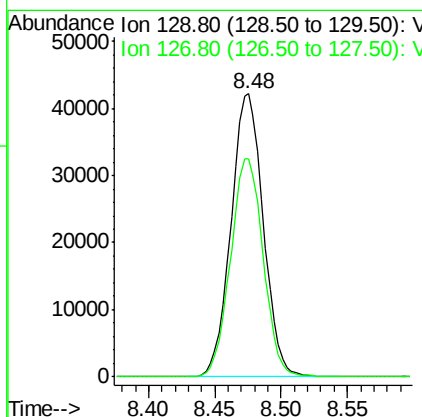
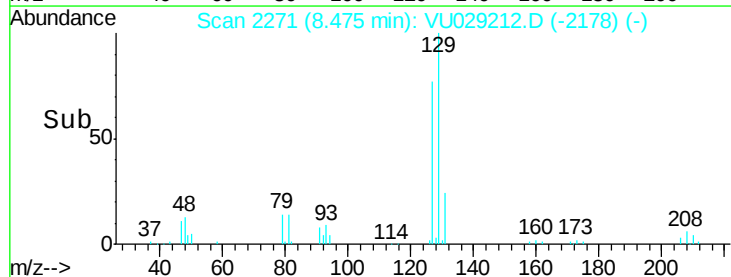
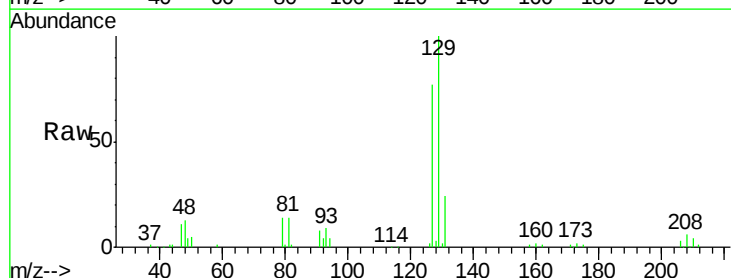
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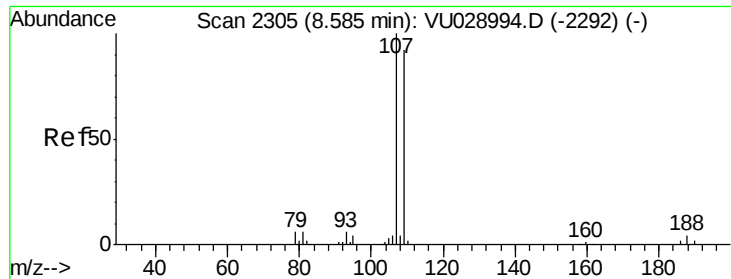
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#60
Dibromochloromethane
Concen: 52.221 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Tgt Ion: 129 Resp: 71306
Ion Ratio Lower Upper
129 100
127 78.0 38.0 114.0





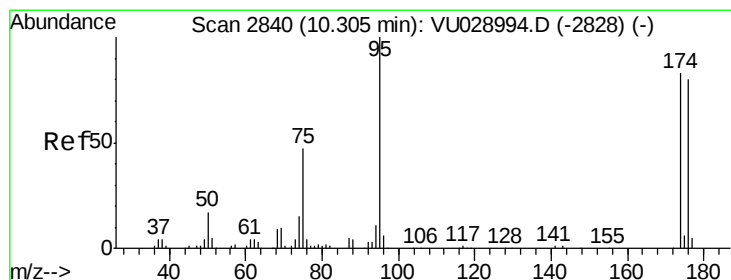
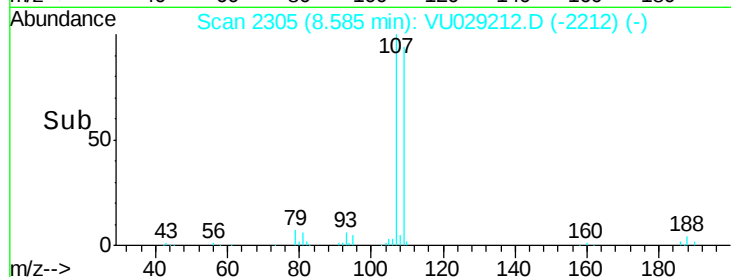
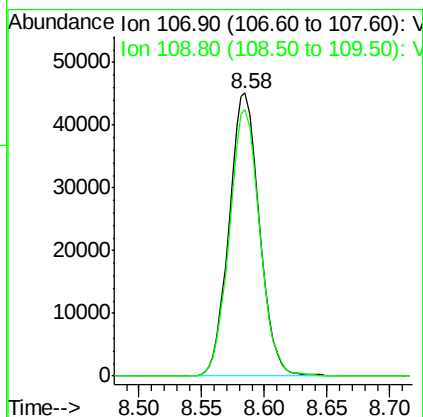
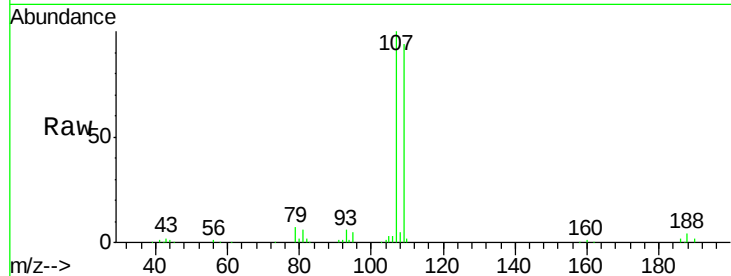
#61
 1,2-Dibromoethane
 Concen: 50.720 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:107 Resp: 75817
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.5 113.3

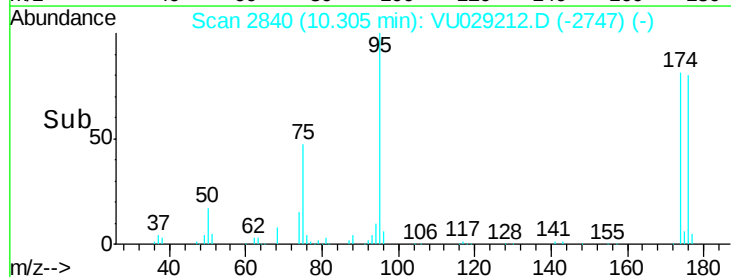
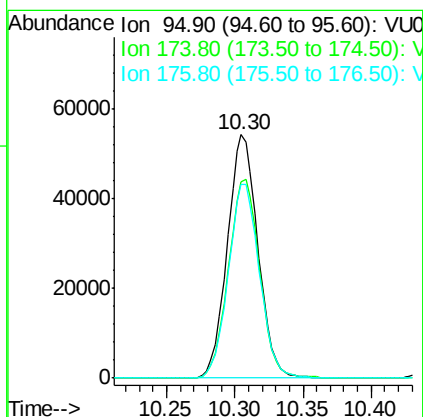
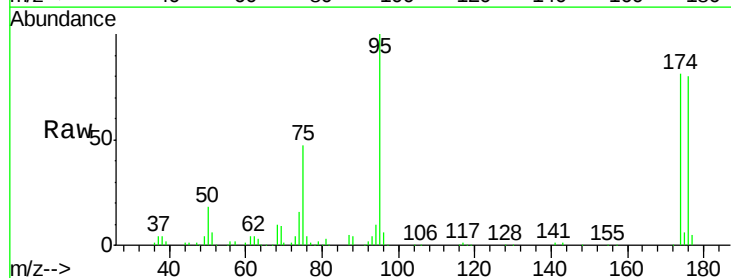
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#62
 4-Bromofluorobenzene
 Concen: 50.659 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Tgt Ion: 95 Resp: 84451
 Ion Ratio Lower Upper
 95 100
 174 83.4 0.0 170.6
 176 81.1 0.0 165.0





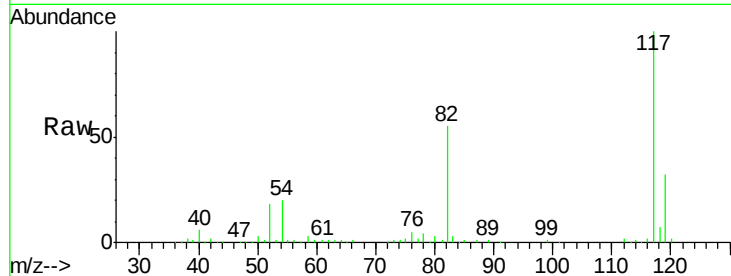
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

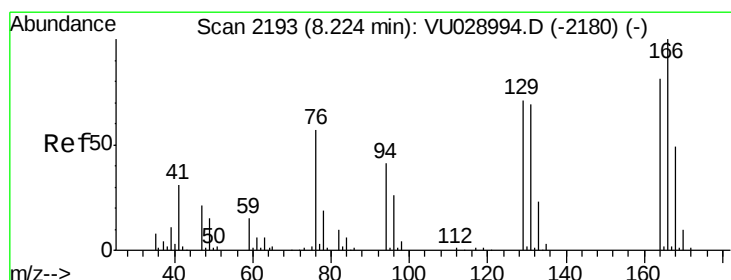
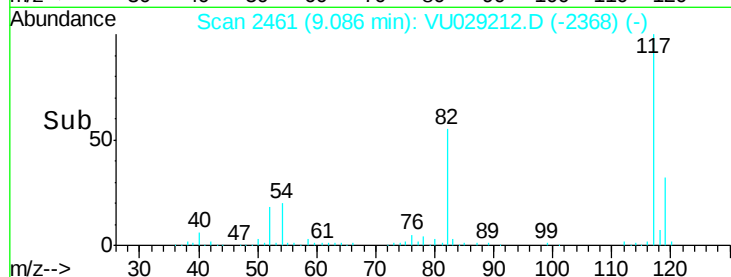
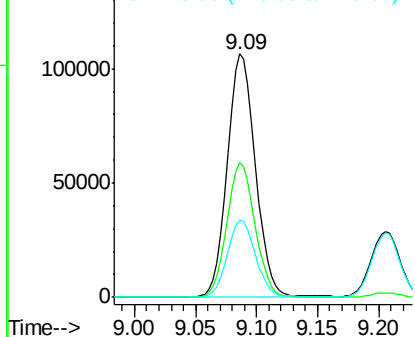
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	43.9	65.9
119	31.6	26.0	39.0

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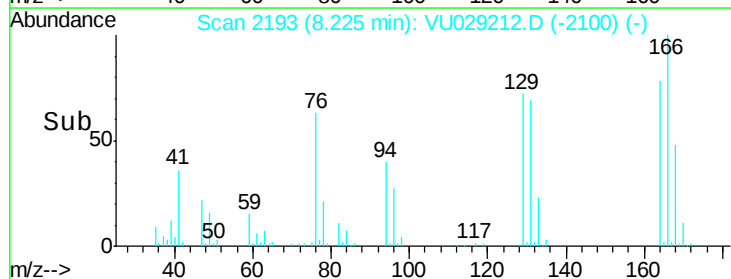
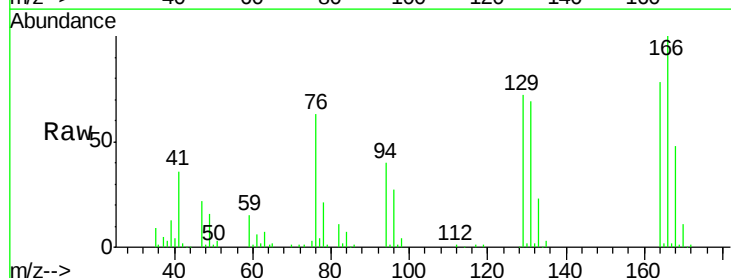
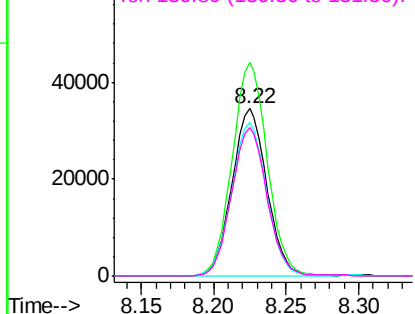
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

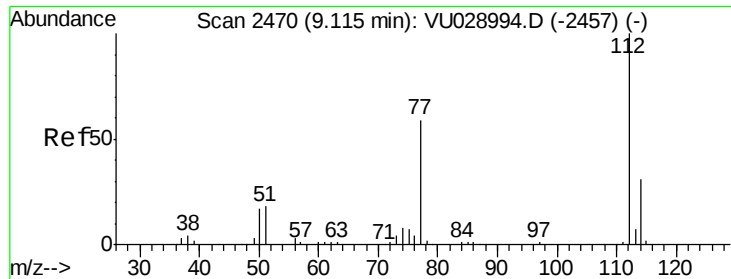


#64
Tetrachloroethene
Concen: 46.518 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	99.4	149.0
129	91.6	70.5	105.7
131	88.4	69.0	103.6

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 48.160 ug/l

RT: 9.12 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 186354

Ion Ratio Lower Upper

112 100

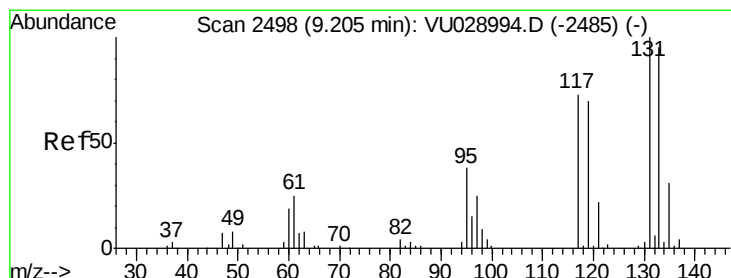
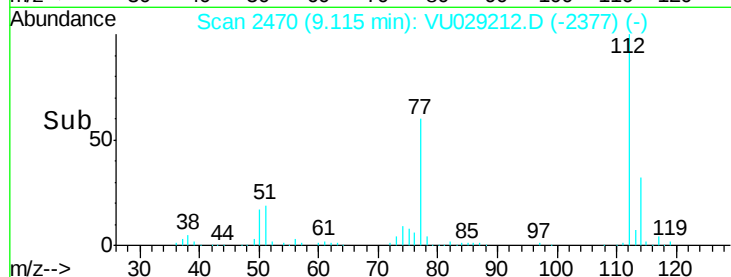
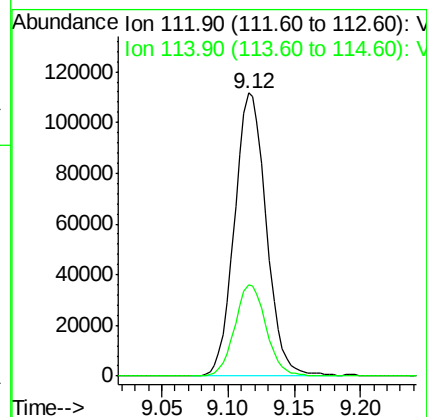
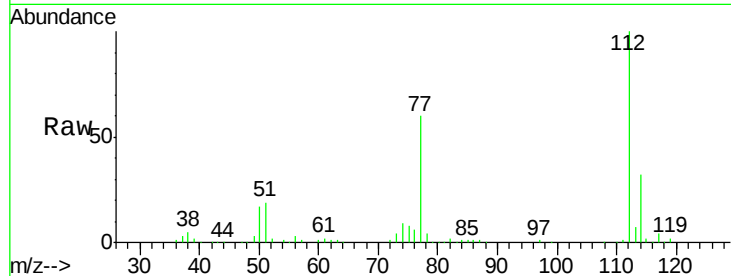
114 32.3 25.0 37.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 51.365 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

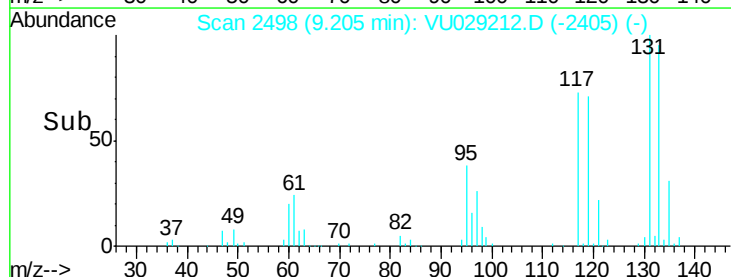
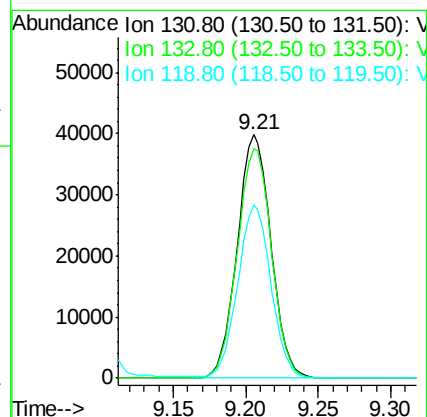
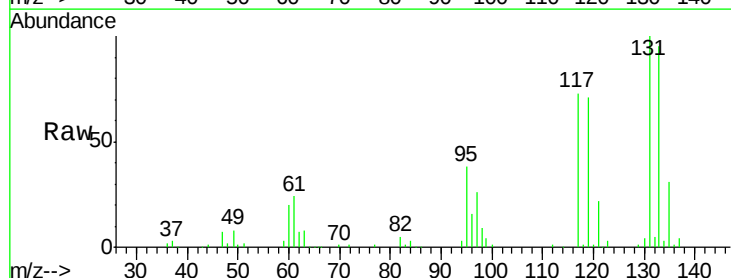
Tgt Ion:131 Resp: 64502

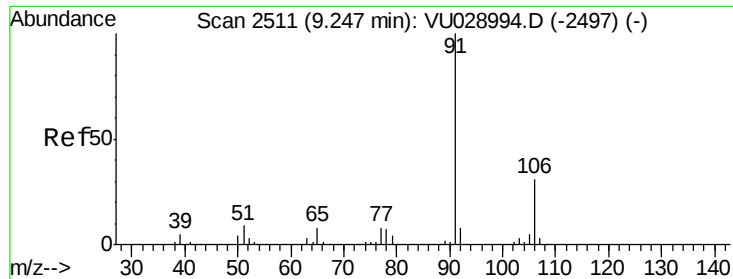
Ion Ratio Lower Upper

131 100

133 95.3 48.2 144.6

119 69.9 35.4 106.3





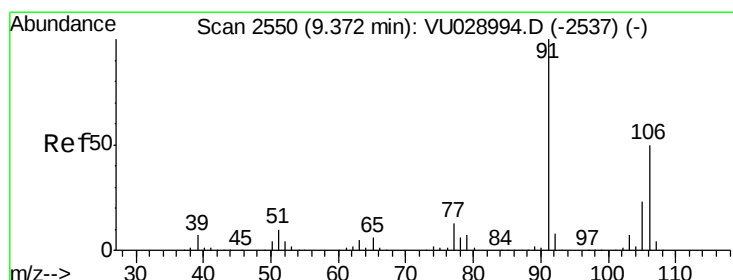
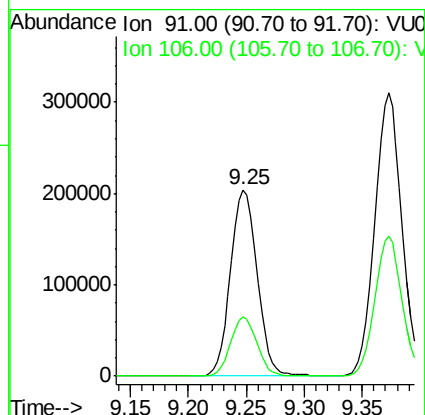
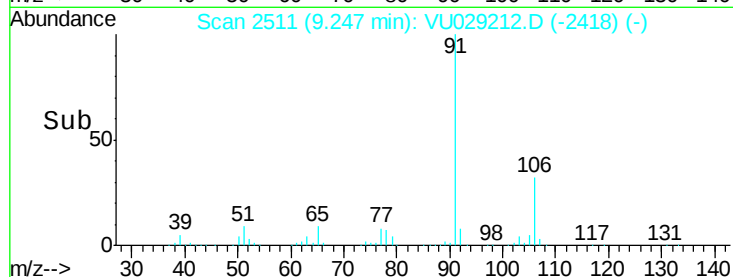
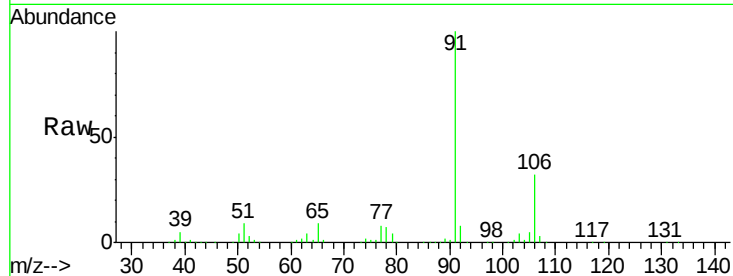
#67
Ethyl Benzene
Concen: 50.508 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 326303
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.4

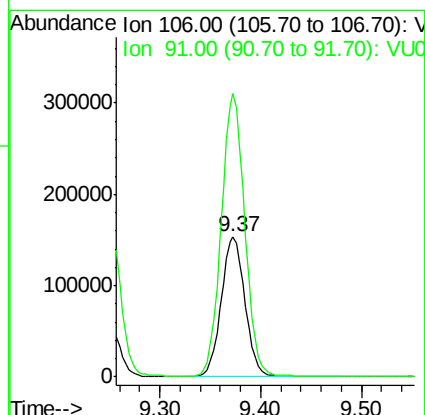
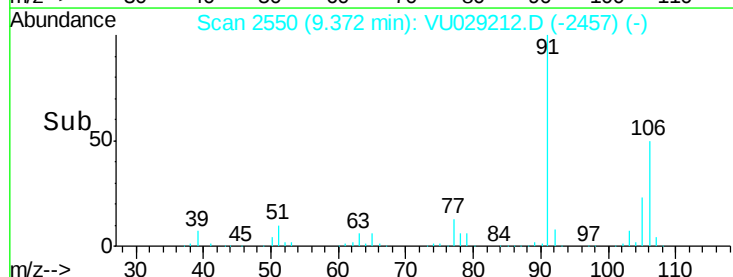
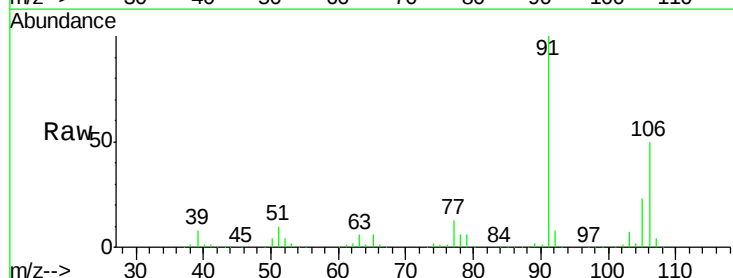
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#68
m/p-Xylenes
Concen: 100.564 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Tgt Ion: 106 Resp: 252434
Ion Ratio Lower Upper
106 100
91 201.3 161.7 242.5





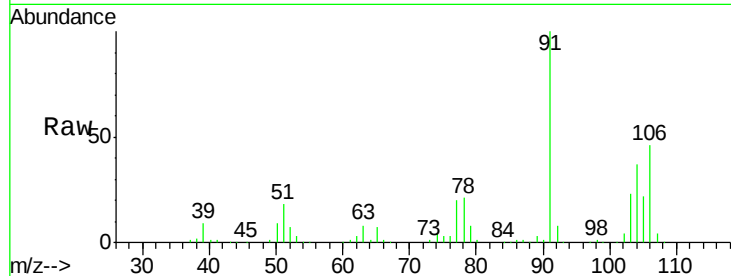
#69
o-Xylene
Concen: 50.458 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

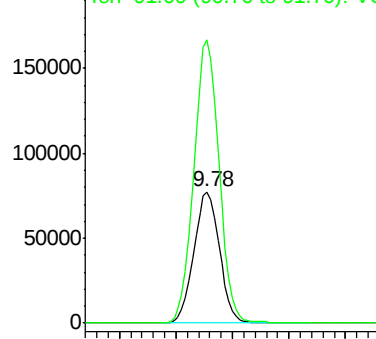
Tot Ion	Ratio	Lower	Upper
106	100		
91	212.8	106.1	318.3

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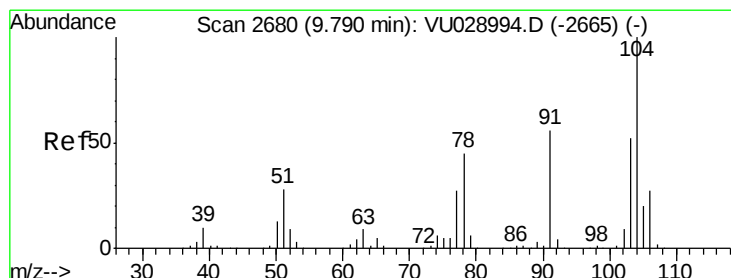
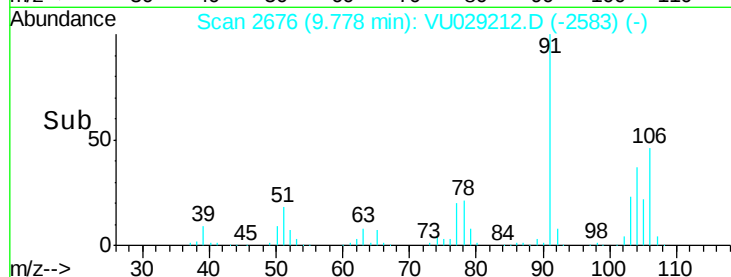
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

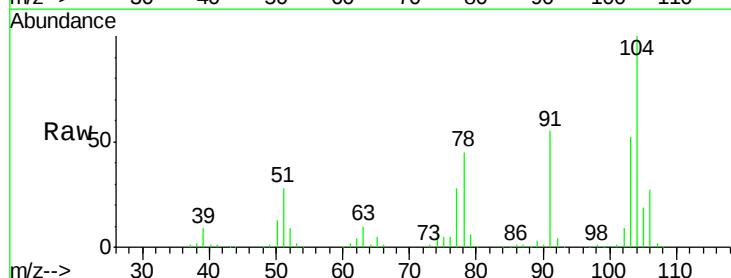


Time-->

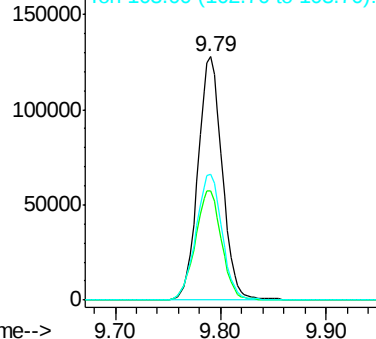


#70
Styrene
Concen: 51.227 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

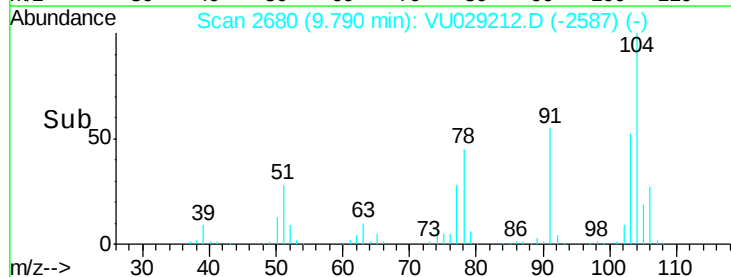
Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	38.6	58.0
103	55.8	44.5	66.7

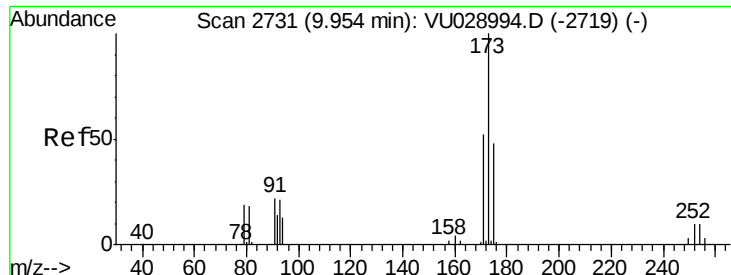


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 51.610 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 57706

Ion Ratio Lower Upper

173 100

175 46.5 23.8 71.2

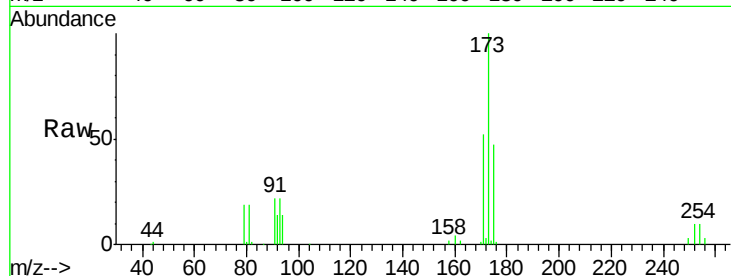
254 0.0 0.0 0.0

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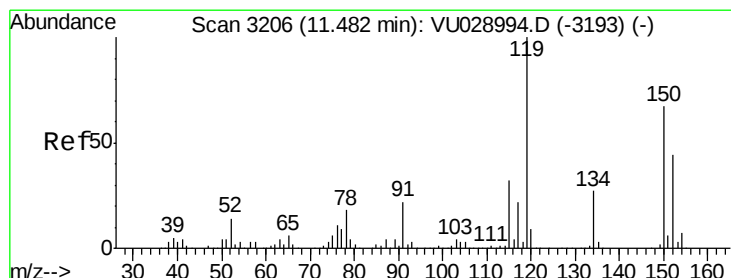
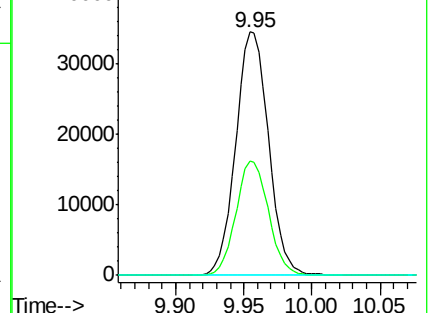
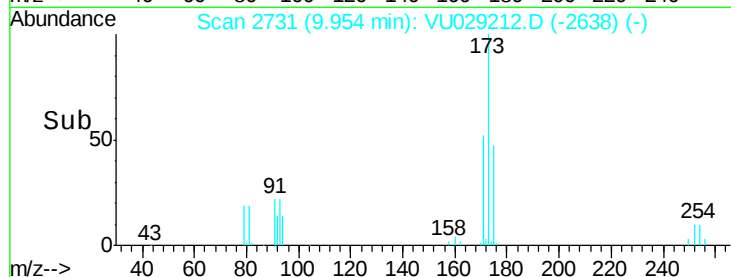
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VU029212.D

Acq: 16 Jan 2019 16:55

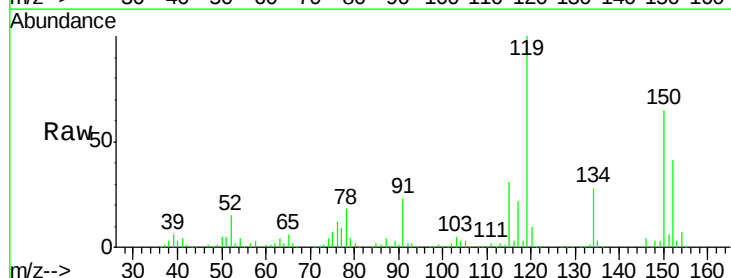
Tgt Ion:152 Resp: 89295

Ion Ratio Lower Upper

152 100

115 81.6 40.1 120.3

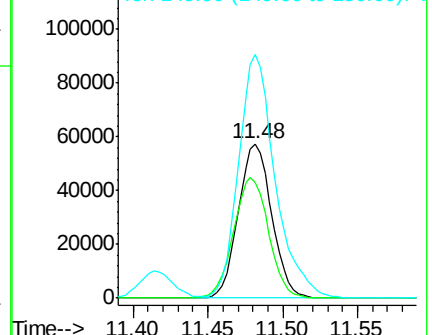
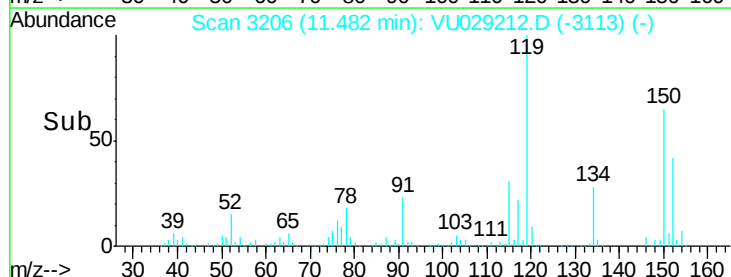
150 173.0 0.0 345.2

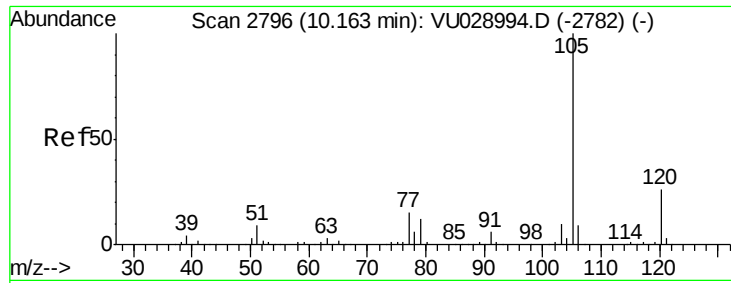


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.151 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 324859

Ion Ratio Lower Upper

105 100

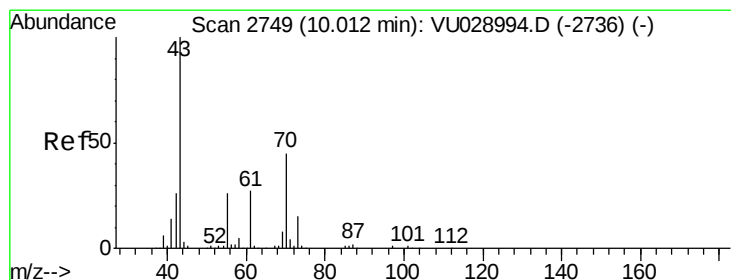
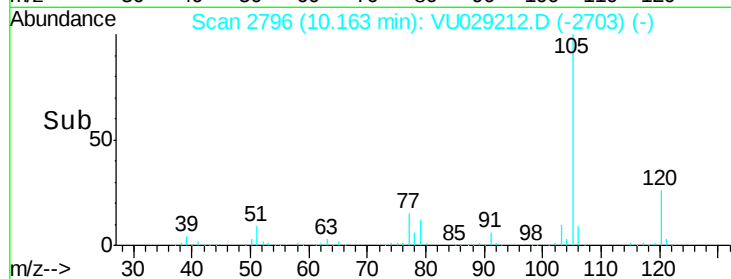
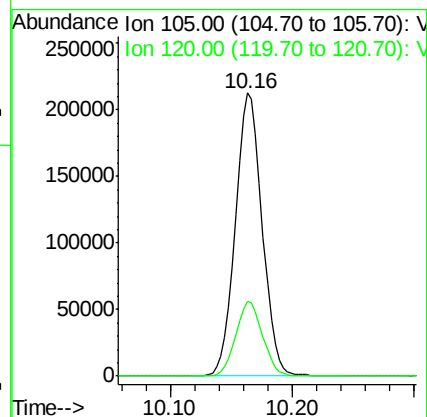
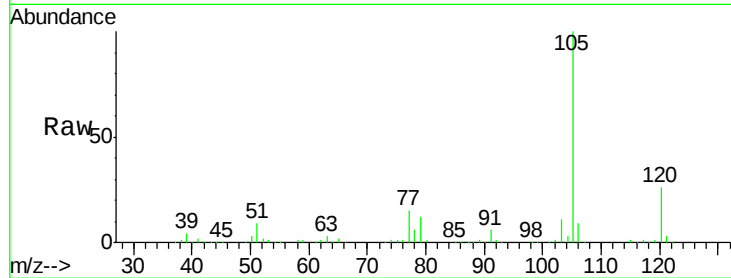
120 26.4 13.2 39.5

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#74

N-ethyl acetate

Concen: 51.554 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Tgt Ion: 43 Resp: 146830

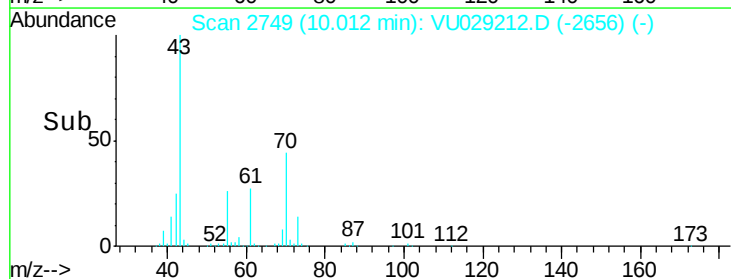
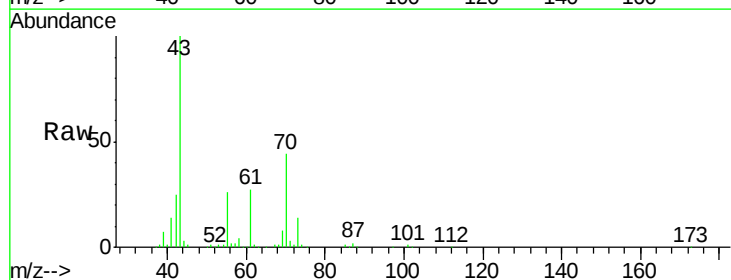
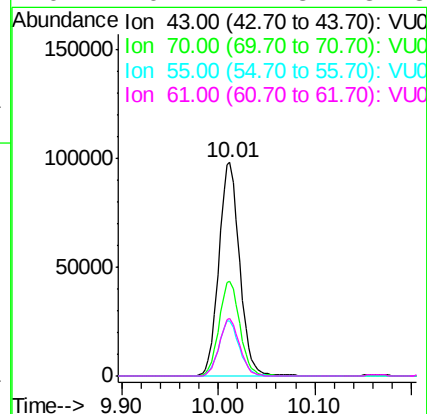
Ion Ratio Lower Upper

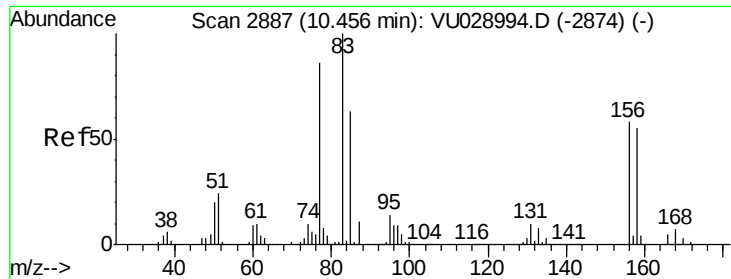
43 100

70 44.2 36.3 54.5

55 25.4 20.5 30.7

61 26.2 21.8 32.8





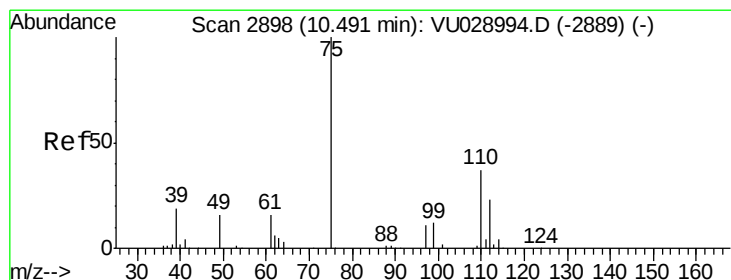
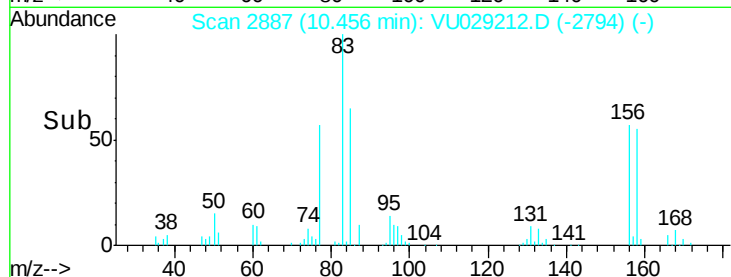
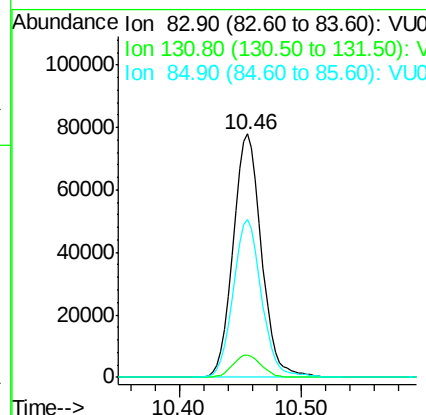
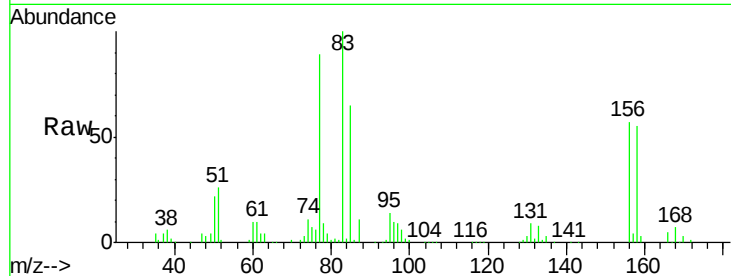
#75
 1,1,2,2-Tetrachloroethane
 Concen: 47.807 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	126639		
131	9.1	4.7	14.1	
85	65.1	32.0	96.2	

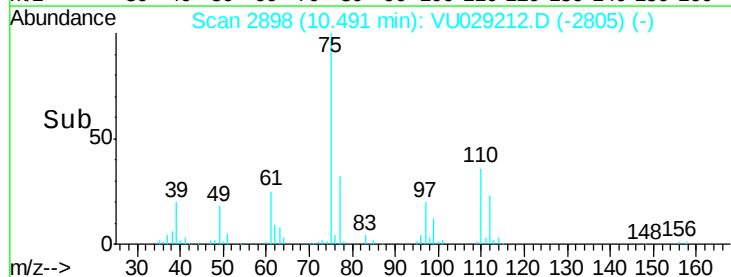
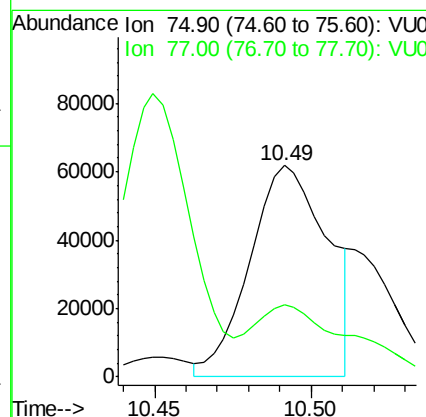
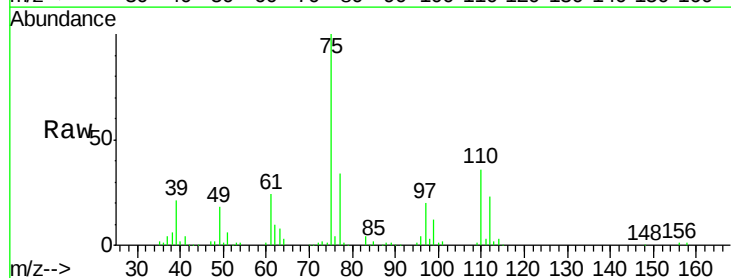
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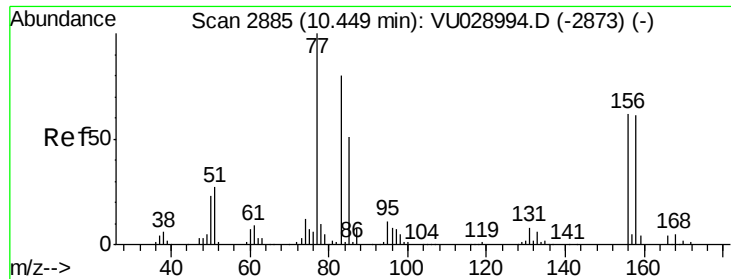
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 48.915 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	107019		
77	43.8	20.9	62.8	





#77

Bromobenzene

Concen: 47.238 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 81362

Ion Ratio Lower Upper

156 100

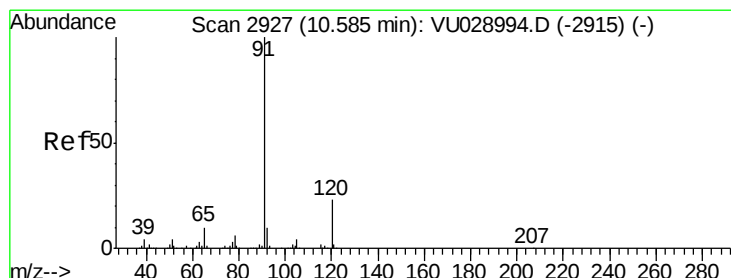
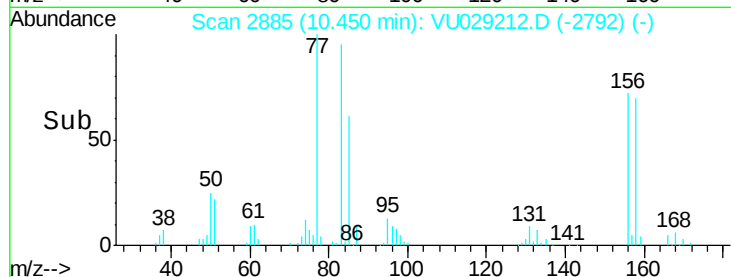
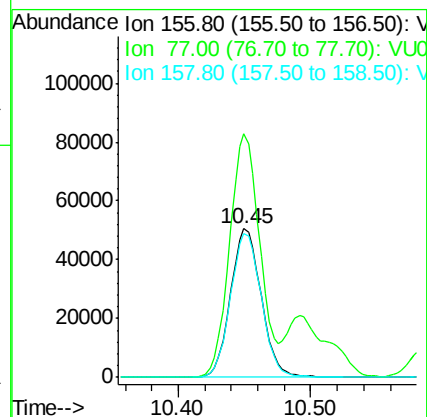
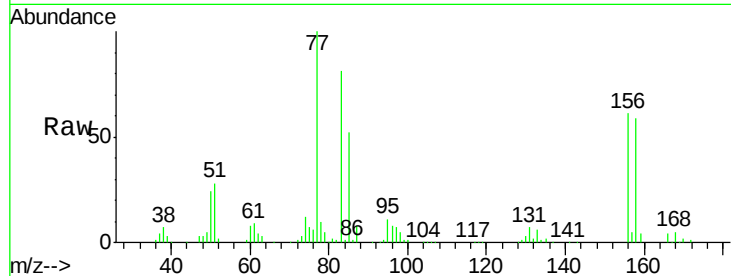
77 161.4 79.0 237.2

158 97.1 48.9 146.6

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#78

n-propylbenzene

Concen: 50.816 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029212.D

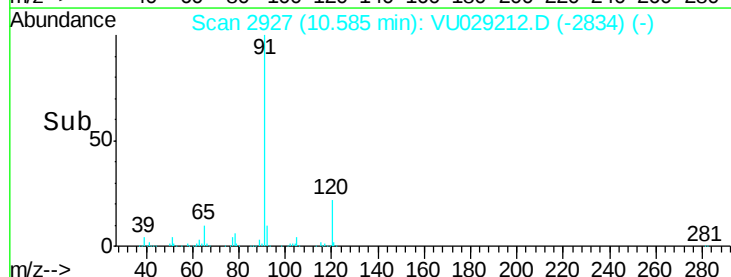
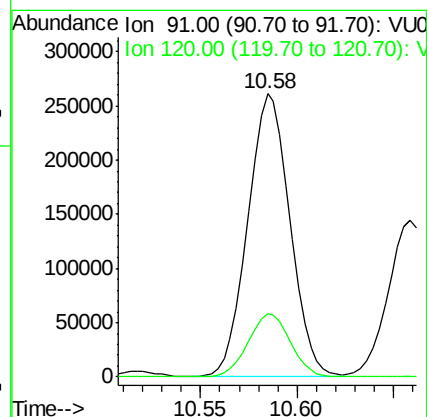
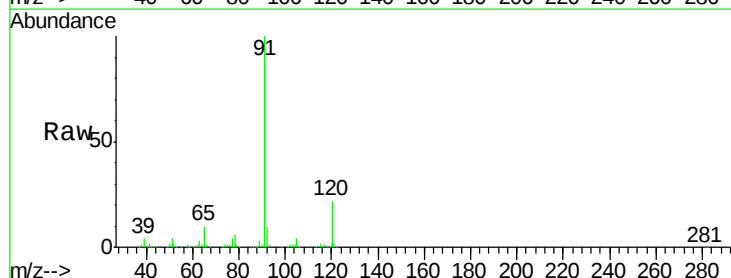
Acq: 16 Jan 2019 16:55

Tgt Ion: 91 Resp: 395811

Ion Ratio Lower Upper

91 100

120 22.3 11.3 33.9





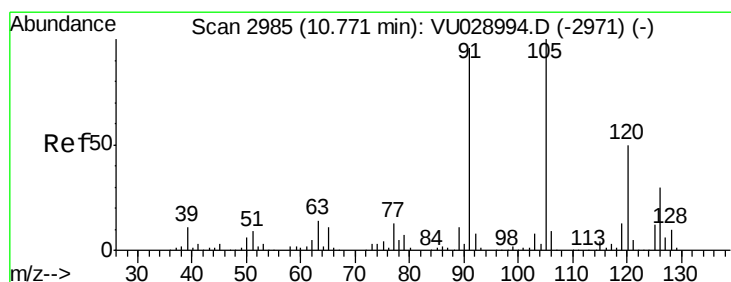
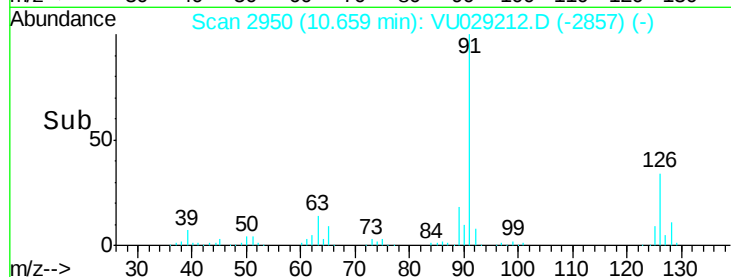
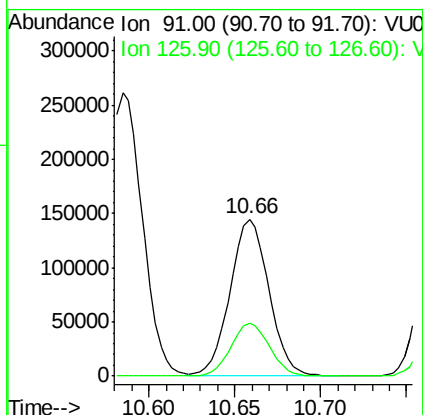
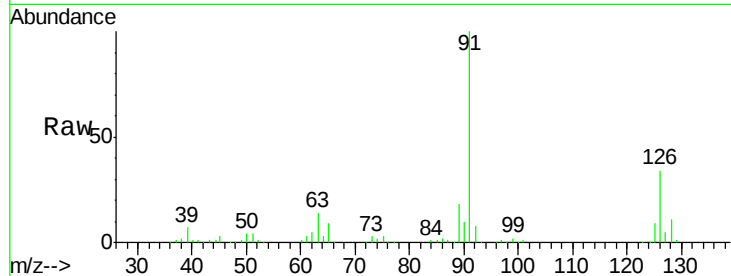
#79
 2-Chlorotoluene
 Concen: 48.111 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 227320
 Ion Ratio Lower Upper
 91 100
 126 33.7 16.8 50.4

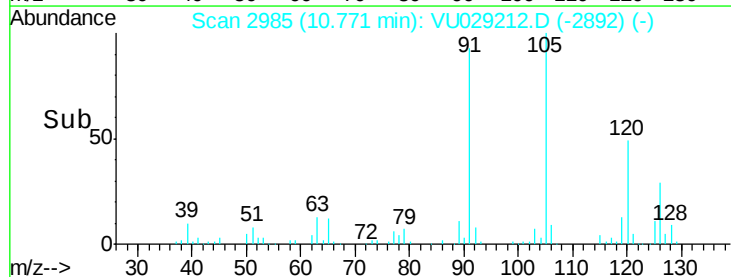
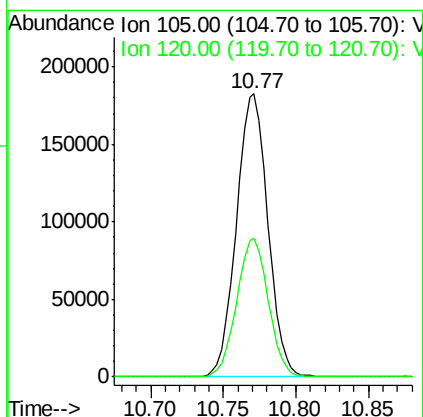
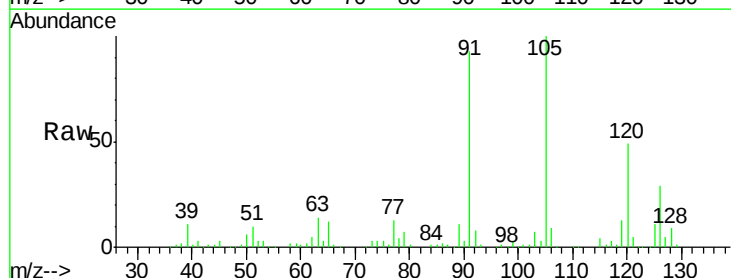
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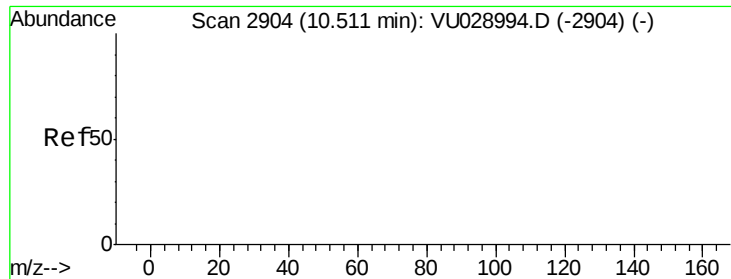
MMDadoda
 1/17/2019 9:43:47 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.853 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Tgt Ion: 105 Resp: 275157
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 44.333 ug/l

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

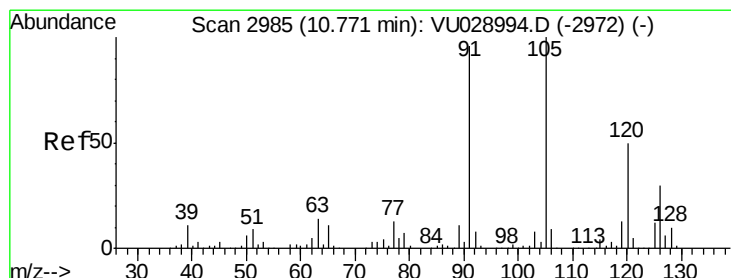
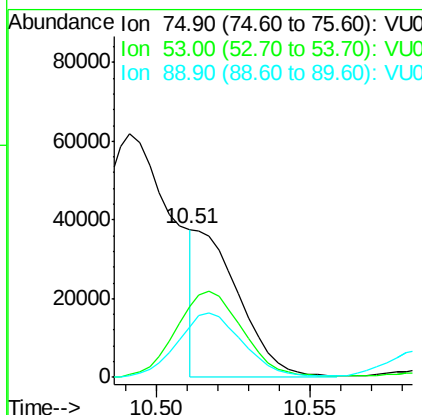
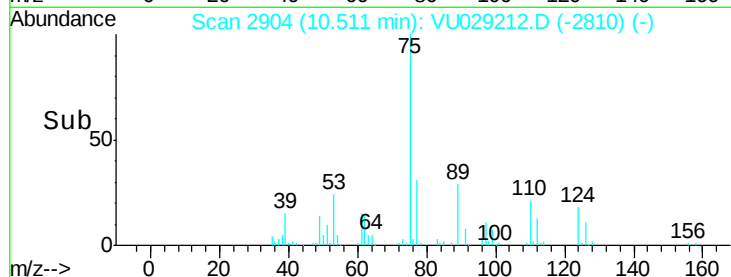
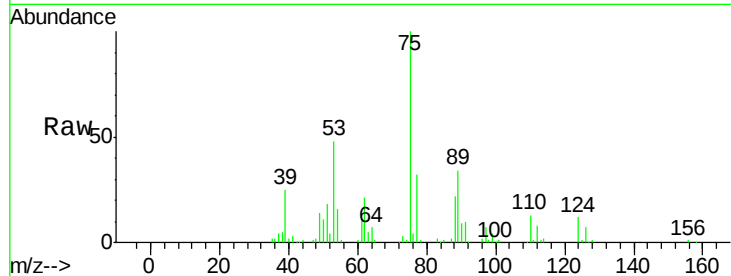
Instrument :
MSVOA_U

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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#82

4-Chlorotoluene

Concen: 48.522 ug/l

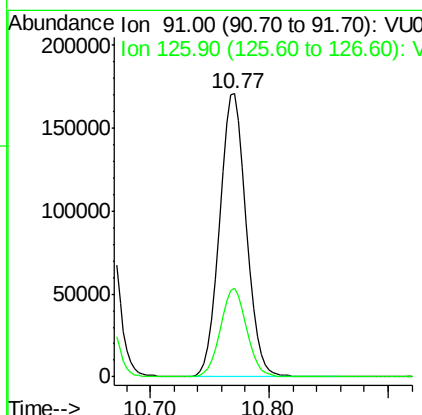
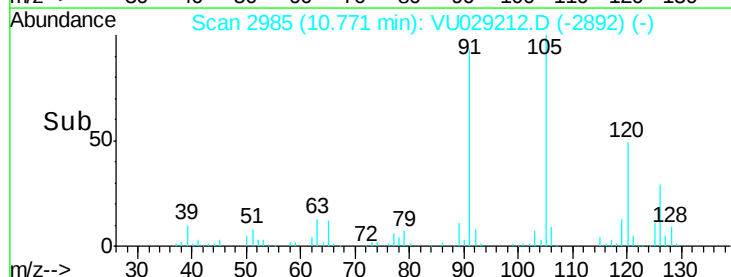
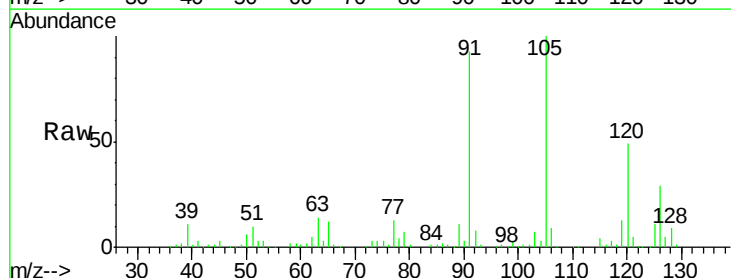
RT: 10.77 min Scan# 2985

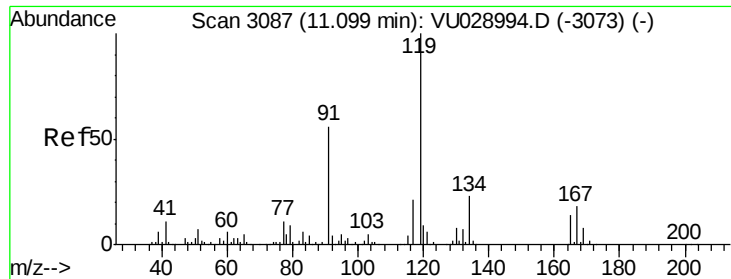
Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.5	46.5





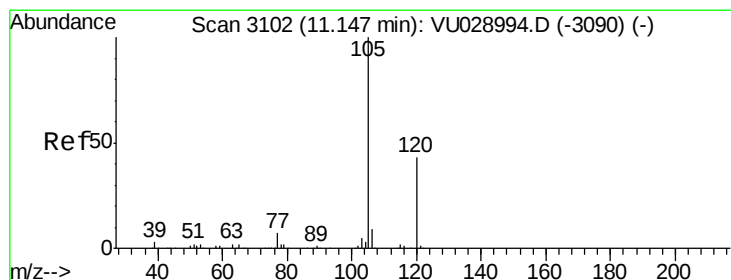
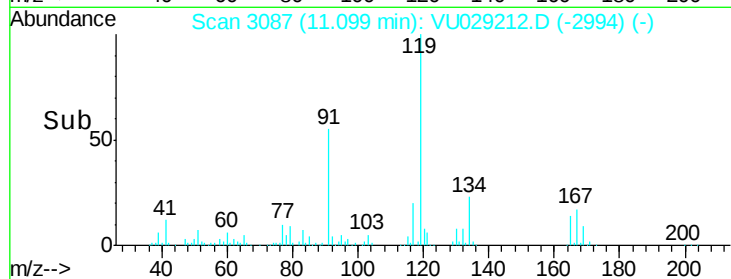
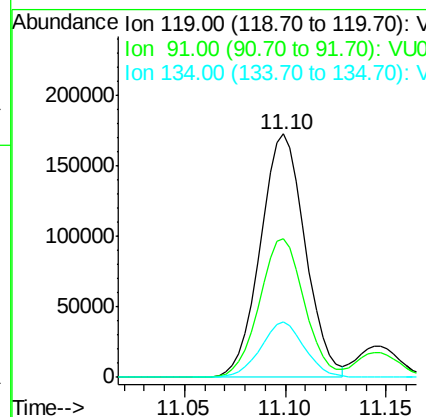
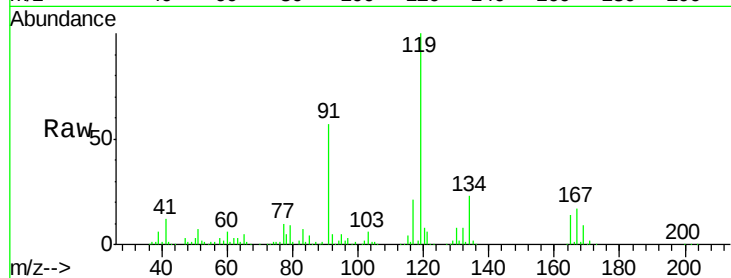
#83
tert-Butylbenzene
Concen: 49.294 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	268159		
91	57.1	28.2	84.6	
134	22.2	11.3	33.8	

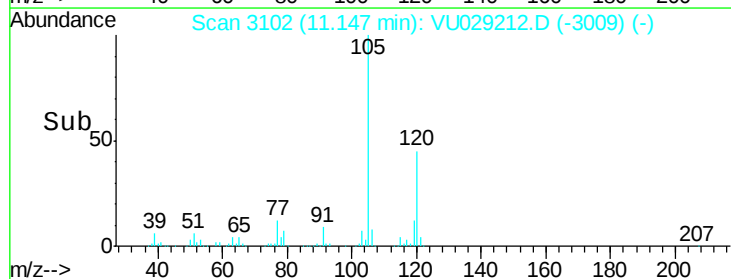
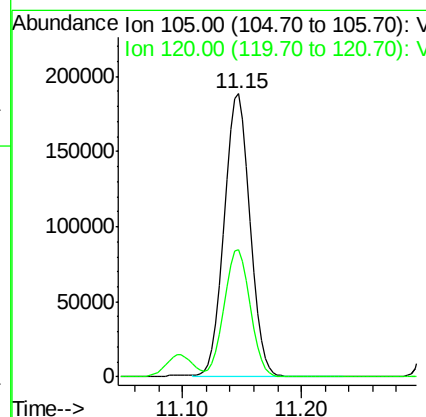
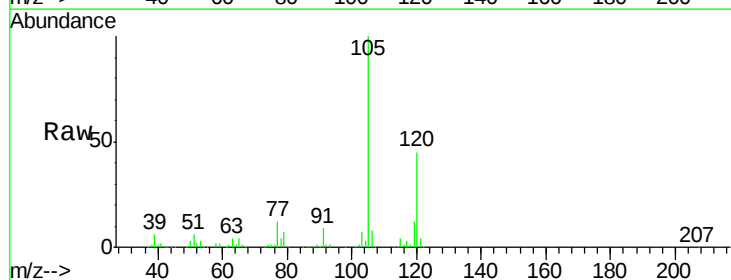
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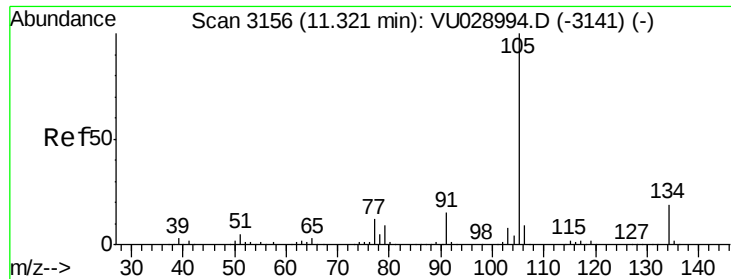
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#84
1,2,4-Trimethylbenzene
Concen: 51.562 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	284131		
120	45.5	23.1	69.3	





#85

sec-Butylbenzene

Concen: 51.628 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 339668

Ion Ratio Lower Upper

105 100

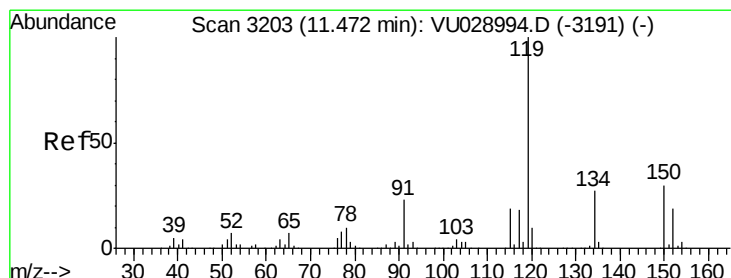
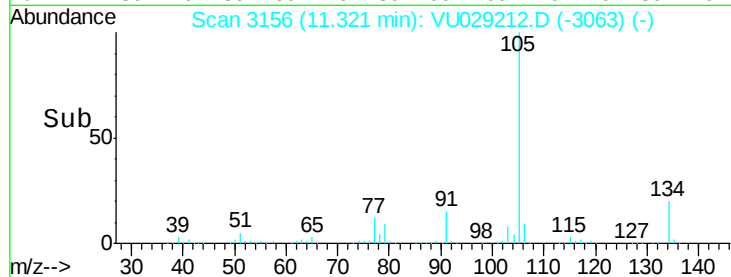
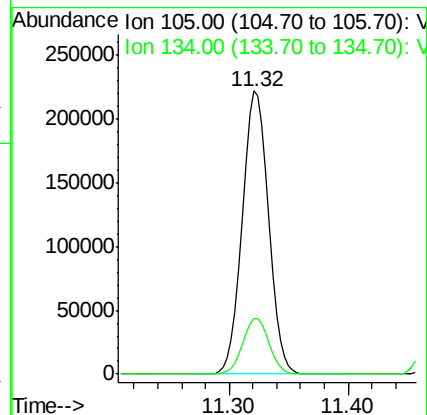
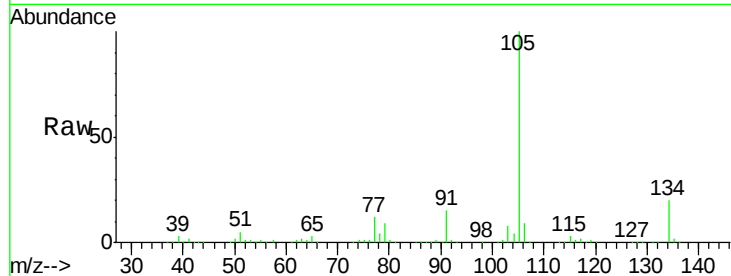
134 19.7 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 51.838 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

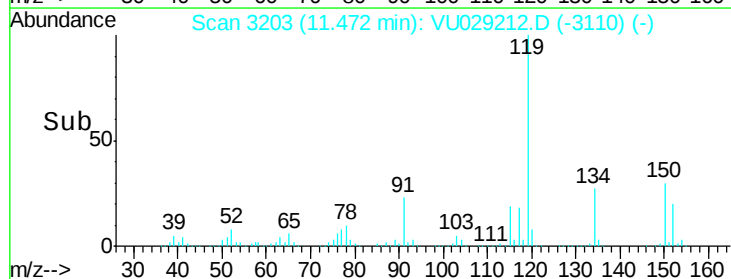
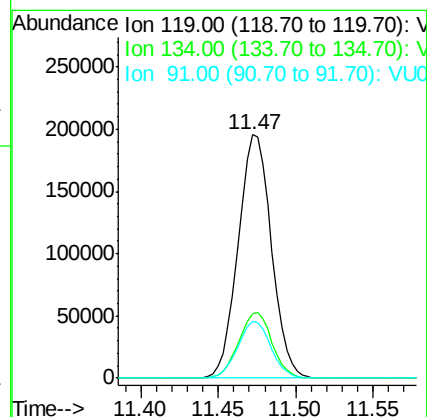
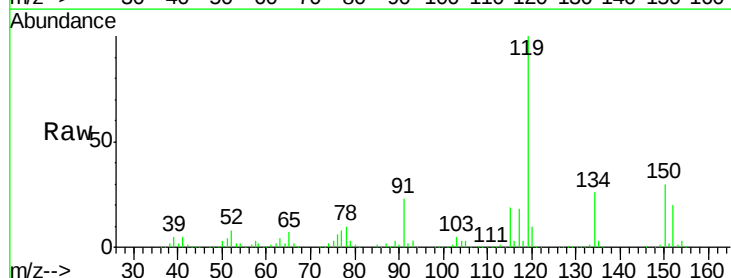
Tgt Ion:119 Resp: 290616

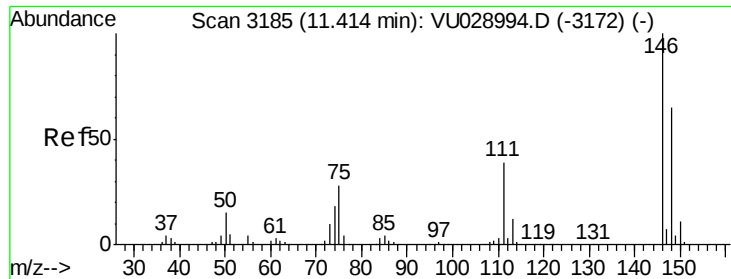
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 23.3 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 47.774 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Instrument :

MSVOA_U

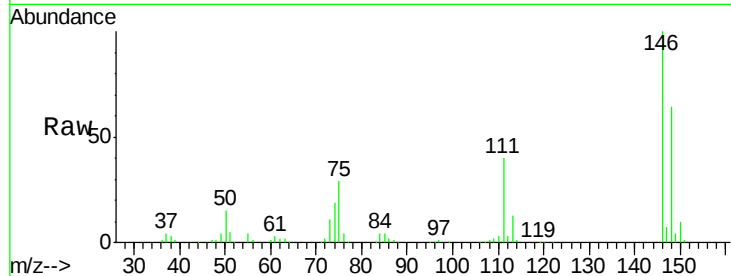
ClientSampleId :

VSTDCCC050EC

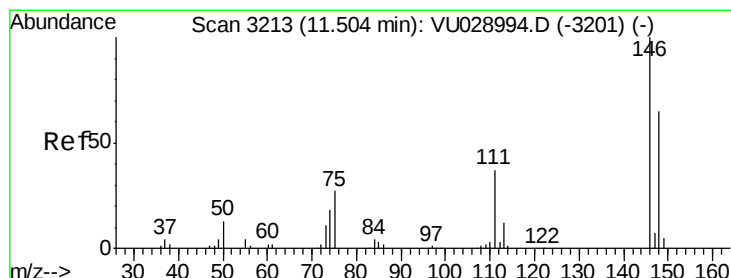
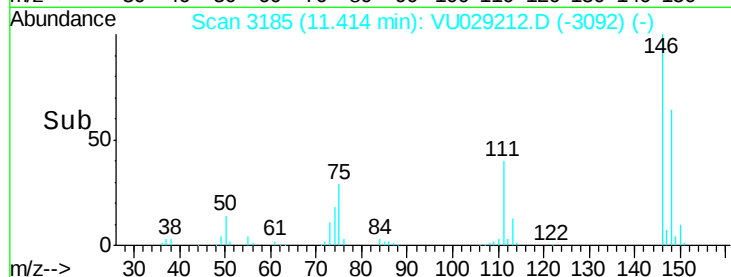
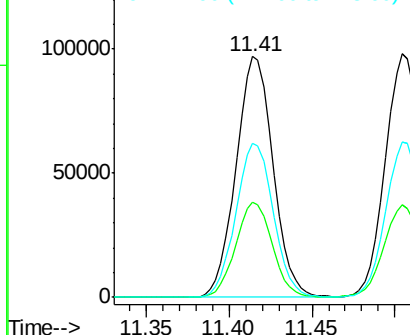
Tot Ion:	146	Resp:	150931
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.3	57.8
148	64.6	32.5	97.5

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



#88

1,4-Dichlorobenzene

Concen: 47.249 ug/l

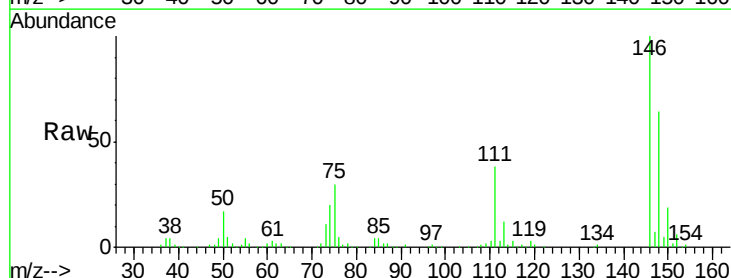
RT: 11.50 min Scan# 3213

Delta R.T. 0.00 min

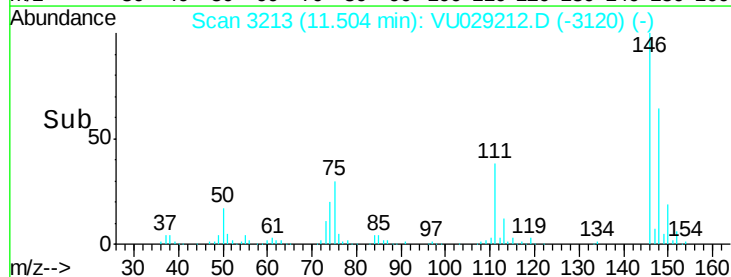
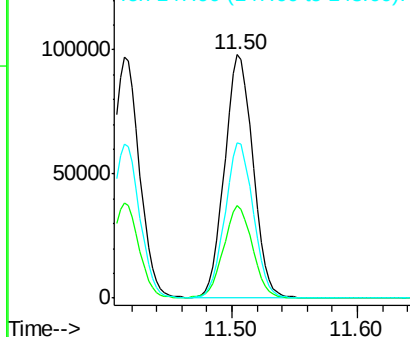
Lab File: VU029212.D

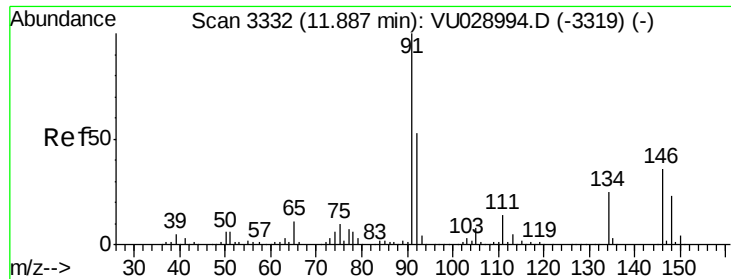
Acq: 16 Jan 2019 16:55

Tgt Ion:	146	Resp:	154084
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.1	57.3
148	63.3	32.6	98.0



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





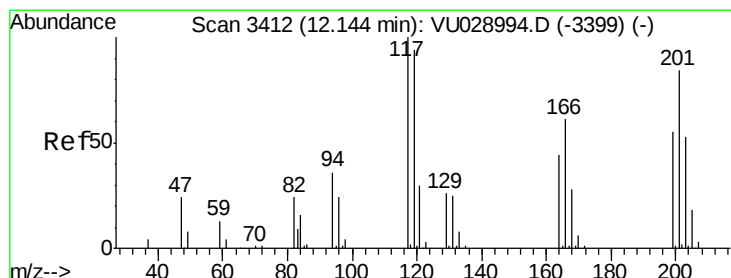
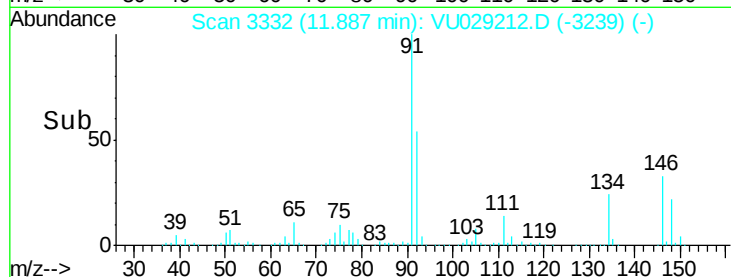
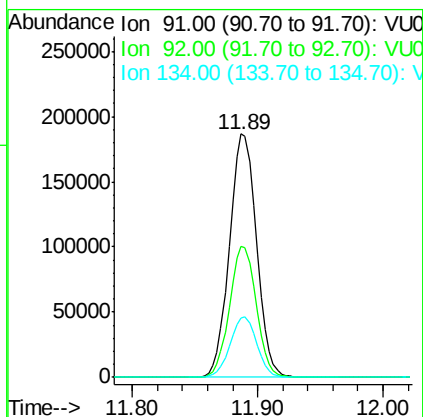
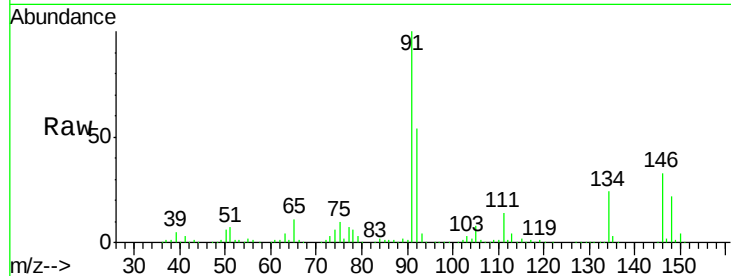
#89
n-Butylbenzene
Concen: 55.917 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.2	78.5
134	24.5	12.6	37.6

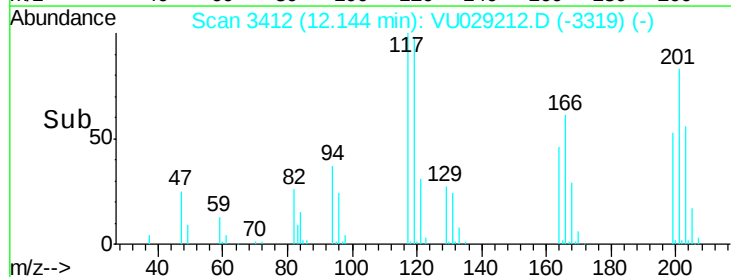
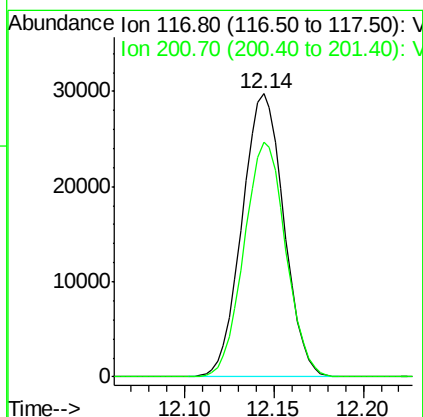
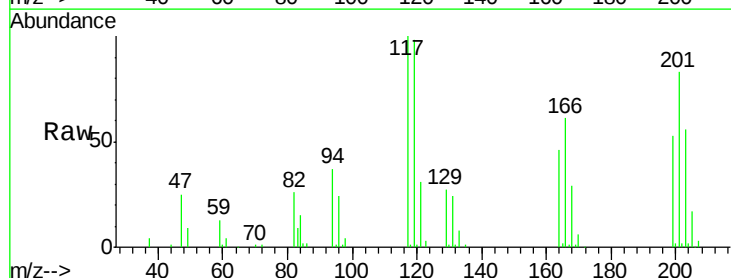
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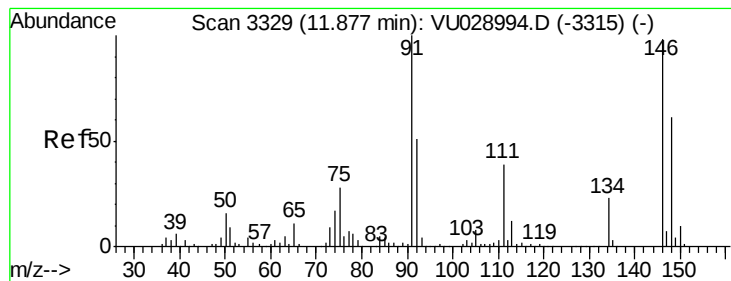
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#90
Hexachloroethane
Concen: 51.577 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.0	42.4	127.3





#91

1,2-Dichlorobenzene

Concen: 47.181 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 146 Resp: 150136

Ion Ratio Lower Upper

146 100

111 40.7 20.0 59.9

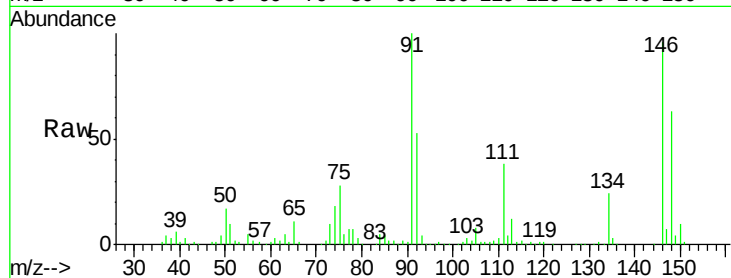
148 64.7 31.6 94.8

Manual Integrations

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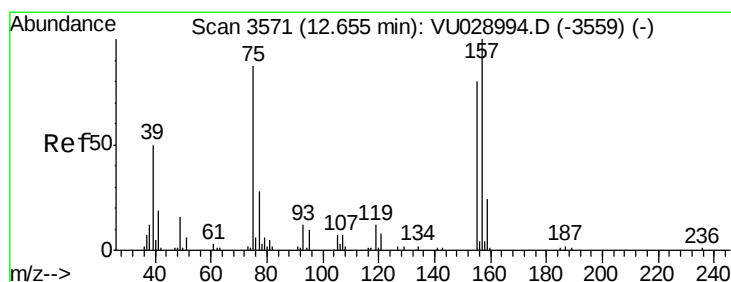
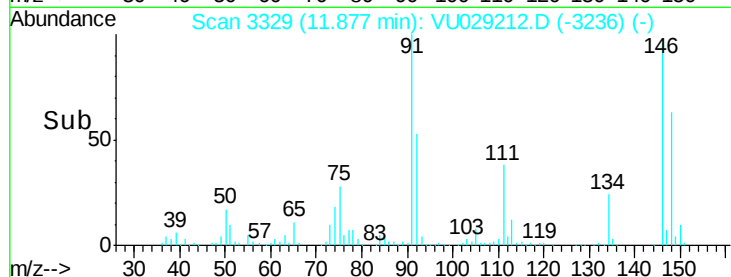
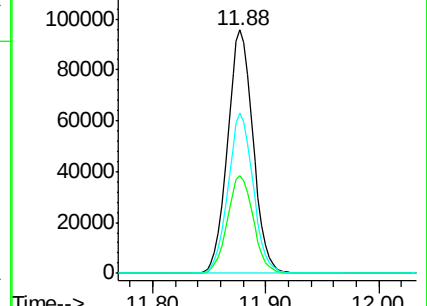
1/17/2019 9:43:47 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.308 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU029212.D

Acq: 16 Jan 2019 16:55

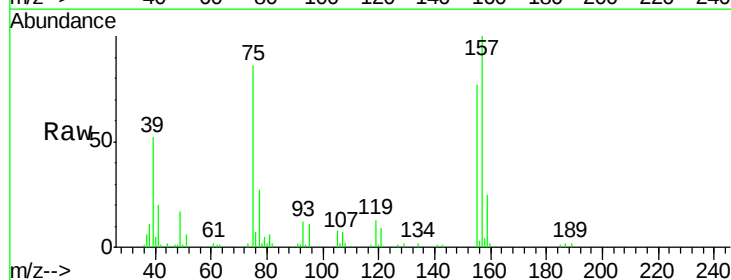
Tgt Ion: 75 Resp: 25631

Ion Ratio Lower Upper

75 100

155 89.9 46.3 138.8

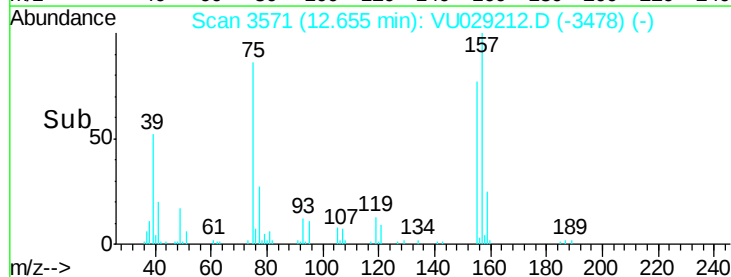
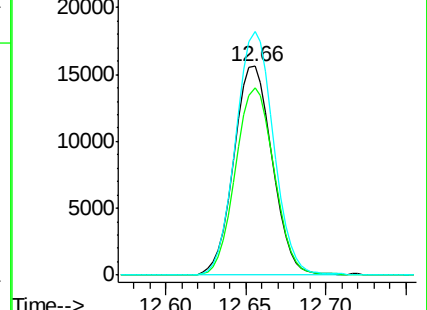
157 114.5 57.4 172.0

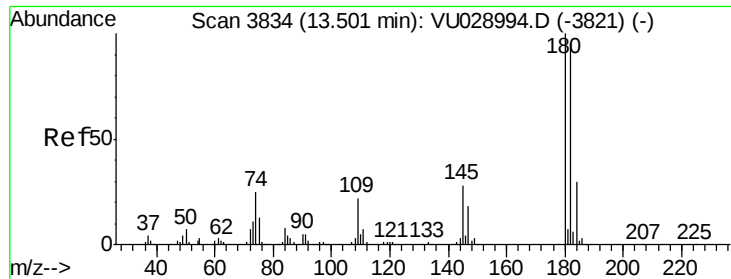


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





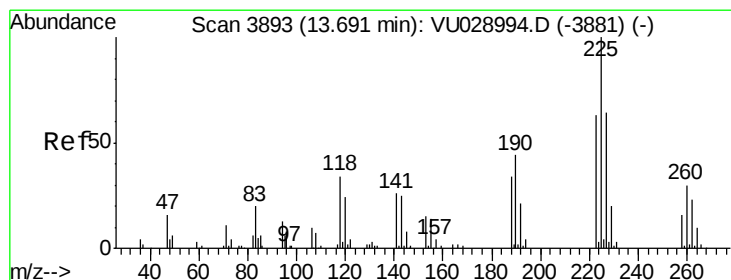
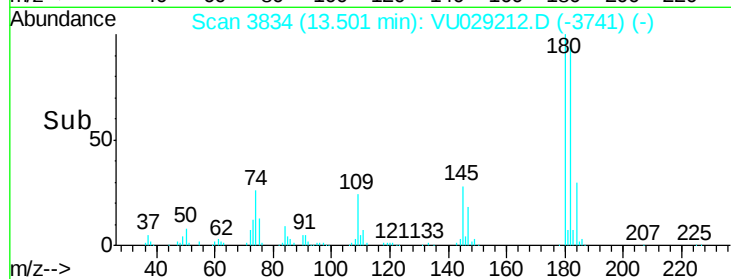
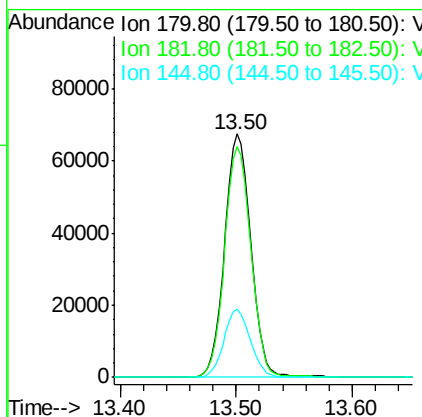
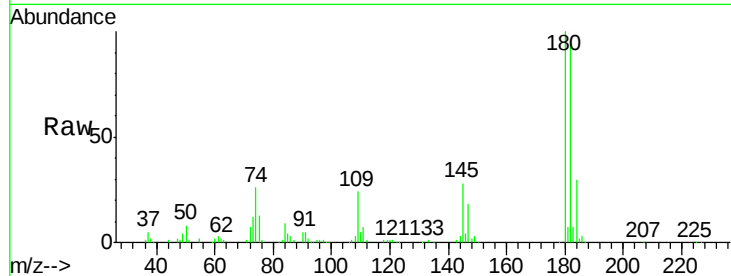
#93
 1,2,4-Trichlorobenzene
 Concen: 52.316 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.6
145	28.0	14.0	42.0

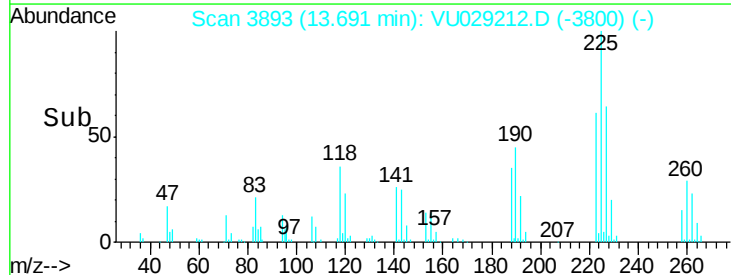
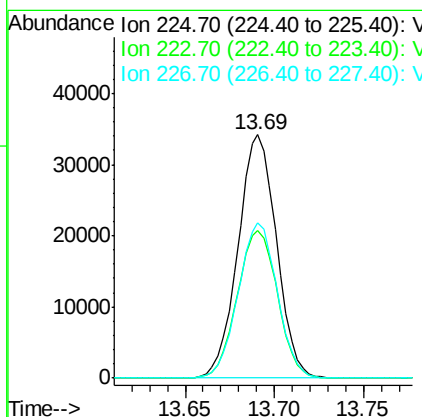
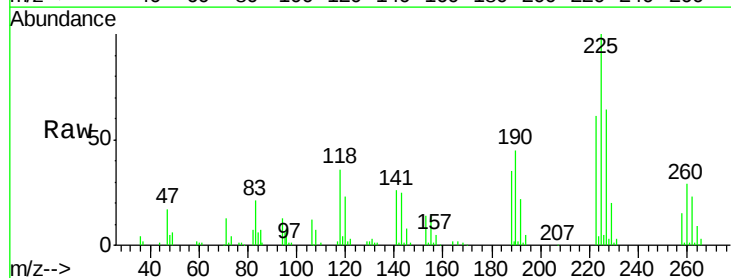
Manual Integrations
 APPROVED

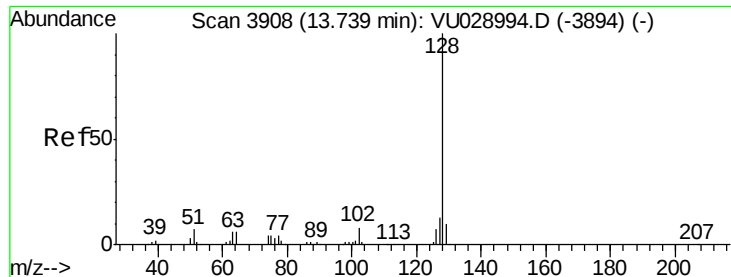
MMDadoda
 1/17/2019 9:43:47 AM



#94
 Hexachlorobutadiene
 Concen: 55.222 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029212.D
 Acq: 16 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.4	94.0
227	64.6	31.9	95.5





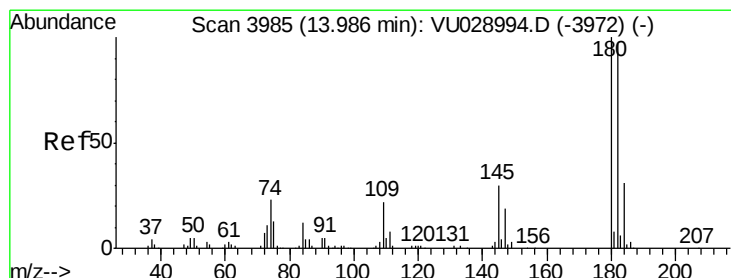
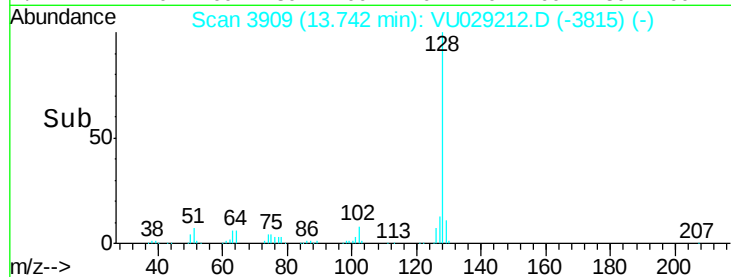
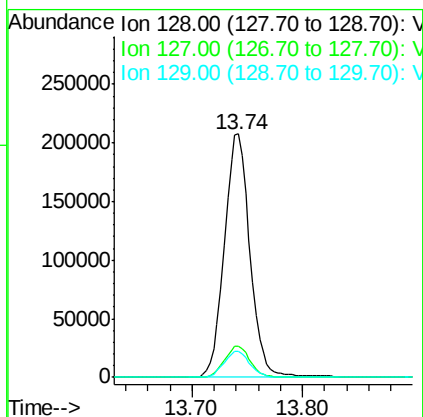
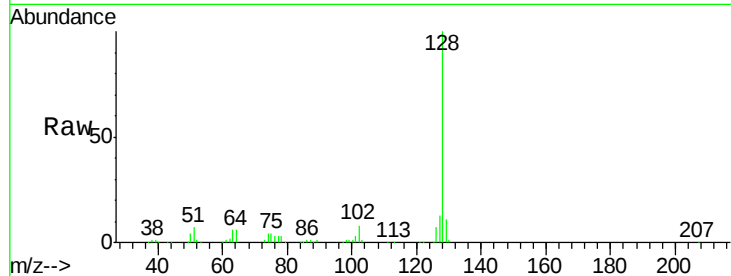
#95
Naphthalene
Concen: 48.475 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/17/2019 9:43:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.521 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029212.D
Acq: 16 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.1	144.3
145	30.5	14.8	44.4

