

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011419\
 Data File : VU029169.D
 Acq On : 14 Jan 2019 17:10
 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
 1/15/2019 11:29:50 AM

Quant Time: Jan 14 23:53:54 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	140934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	225304	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	211237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	107929	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	84370	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
35) Dibromofluoromethane	4.88	113	73790	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	7.56	98	284968	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	10.30	95	102958	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	63526	45.452	ug/l	99
3) Chloromethane	1.33	50	91979	41.107	ug/l	100
4) Vinyl Chloride	1.40	62	95836	46.530	ug/l	99
5) Bromomethane	1.61	94	51905	48.953	ug/l	99
6) Chloroethane	1.69	64	58761	47.897	ug/l	100
7) Trichlorofluoromethane	1.88	101	111437	49.652	ug/l	100
8) Diethyl Ether	2.10	74	53590	49.701	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	75314	50.153	ug/l	98
10) Methyl Iodide	2.41	142	69842	49.463	ug/l	99
11) Tert butyl alcohol	2.83	59	112801	254.718	ug/l	99
12) 1,1-Dichloroethene	2.28	96	72333	49.486	ug/l	96
13) Acrolein	2.19	56	85803	258.031	ug/l	99
14) Allyl chloride	2.59	41	114658	42.752	ug/l	90
15) Acrylonitrile	2.93	53	270907	249.350	ug/l	100
16) Acetone	2.32	43	258564	235.587	ug/l	99
17) Carbon Disulfide	2.47	76	209277	43.161	ug/l	100
18) Methyl Acetate	2.61	43	133574	52.342	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	255866	49.790	ug/l	98
20) Methylene Chloride	2.70	84	87245	46.820	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	79290	46.690	ug/l	99
22) Diisopropyl ether	3.57	45	259395	48.938	ug/l	100
23) Vinyl Acetate	3.52	43	1057763	244.106	ug/l	99
24) 1,1-Dichloroethane	3.44	63	150805	49.285	ug/l	99
25) 2-Butanone	4.26	43	374546	252.666	ug/l	99
26) 2,2-Dichloropropane	4.22	77	123525	49.961	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	92581	49.845	ug/l	98
28) Bromochloromethane	4.54	49	60397	46.097	ug/l	96
29) Tetrahydrofuran	4.64	42	223406	248.482	ug/l	97
30) Chloroform	4.67	83	146456	50.252	ug/l	99
31) Cyclohexane	4.99	56	135756	46.931	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	119294	49.538	ug/l	100
36) 1,1-Dichloropropene	5.13	75	111034	49.304	ug/l	99
37) Ethyl Acetate	4.38	43	125481	50.762	ug/l	99
38) Carbon Tetrachloride	5.13	117	97406	51.859	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	139612	50.428	ug/l	99
40) Benzene	5.39	78	351244	50.002	ug/l	100
41) Methacrylonitrile	4.54	41	69121	52.238	ug/l	98
42) 1,2-Dichloroethane	5.40	62	109192	51.729	ug/l	99
43) Isopropyl Acetate	5.55	43	196280	51.762	ug/l	98
44) Trichloroethene	6.18	130	87905	50.505	ug/l	97
45) 1,2-Dichloropropane	6.43	63	93481	50.392	ug/l	99
46) Dibromomethane	6.56	93	60161	50.731	ug/l	98
47) Bromodichloromethane	6.76	83	113695	52.073	ug/l	99
48) Methyl methacrylate	6.62	41	97918	53.032	ug/l	98
49) 1,4-Dioxane	6.61	88	48326	1104.421	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	662669	256.784	ug/l	98
52) Toluene	7.63	92	219733	51.383	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	132513	50.523	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	142262	50.196	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	88541	51.682	ug/l	96
56) Ethyl methacrylate	8.02	69	136867	51.856	ug/l	100
57) 1,3-Dichloropropane	8.24	76	149129	50.872	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	286436	246.770	ug/l	99
59) 2-Hexanone	8.36	43	523016	258.188	ug/l	99
60) Dibromochloromethane	8.48	129	88878	52.365	ug/l	100
61) 1,2-Dibromoethane	8.58	107	94758	50.999	ug/l	100
64) Tetrachloroethene	8.22	164	78254	51.427	ug/l	98
65) Chlorobenzene	9.12	112	235031	49.637	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	80462	52.364	ug/l	98
67) Ethyl Benzene	9.25	91	407688	51.572	ug/l	99
68) m/p-Xylenes	9.37	106	317141	103.250	ug/l	99
69) o-Xylene	9.78	106	152867	51.652	ug/l	100
70) Styrene	9.79	104	254478	52.451	ug/l	100
71) Bromoform	9.95	173	70973	51.873	ug/l #	98
73) Isopropylbenzene	10.16	105	405207	50.723	ug/l	100
74) N-amyl acetate	10.01	43	169153	49.138	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	155245	48.488	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	132021m	49.924	ug/l	
77) Bromobenzene	10.45	156	103018	49.484	ug/l	98
78) n-propylbenzene	10.58	91	485271	51.545	ug/l	100
79) 2-Chlorotoluene	10.66	91	285205	49.940	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	337204	50.547	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	42431m	41.382	ug/l	
82) 4-Chlorotoluene	10.77	91	319569	48.800	ug/l	100
83) tert-Butylbenzene	11.10	119	332624	50.587	ug/l	99
84) 1,2,4-Trimethylbenzene	11.14	105	345541	51.880	ug/l	100
85) sec-Butylbenzene	11.32	105	418514	52.629	ug/l	100
86) p-Isopropyltoluene	11.47	119	357137	52.705	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	187172	49.017	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	186578	47.335	ug/l	99
89) n-Butylbenzene	11.89	91	333950	55.217	ug/l	99
90) Hexachloroethane	12.14	117	54965	48.217	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	185489	48.227	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	31667	51.424	ug/l	97

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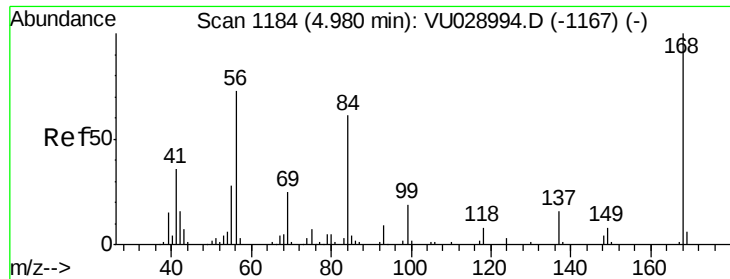
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	126632	51.577	ug/l	99
94) Hexachlorobutadiene	13.69	225	60294	53.691	ug/l	99
95) Naphthalene	13.74	128	416965	49.924	ug/l	99
96) 1,2,3-Trichlorobenzene	13.98	180	127394	50.397	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 140934

Ion Ratio Lower Upper

168 100

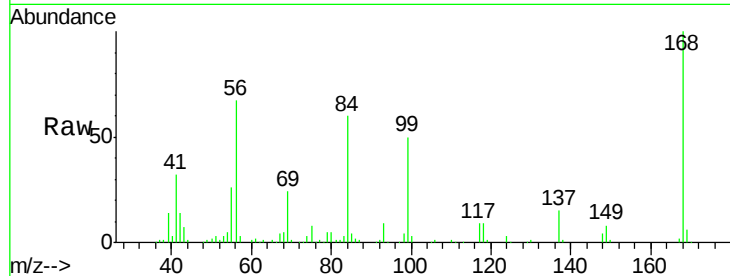
99 49.6 42.0 63.0

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

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

4.98

60000

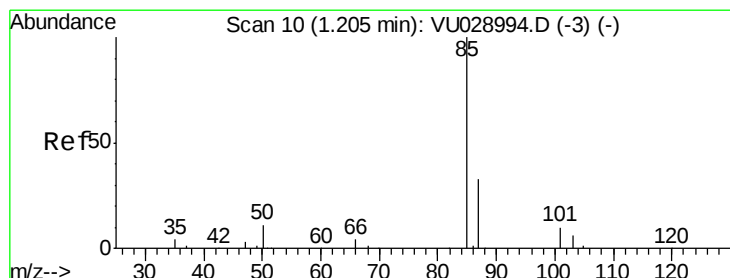
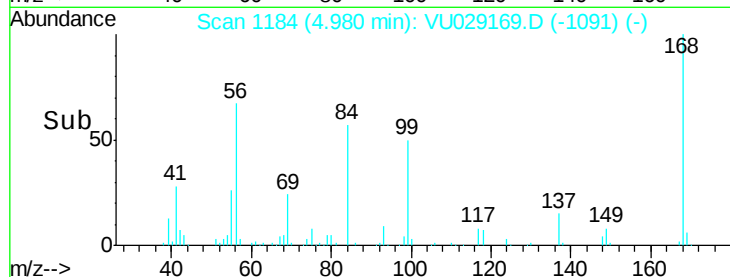
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.452 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029169.D

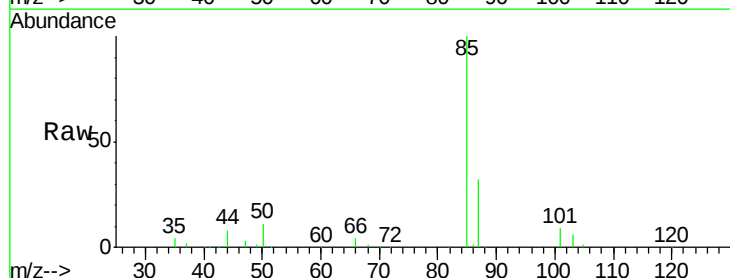
Acq: 14 Jan 2019 17:10

Tgt Ion: 85 Resp: 63526

Ion Ratio Lower Upper

85 100

87 31.9 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

60000

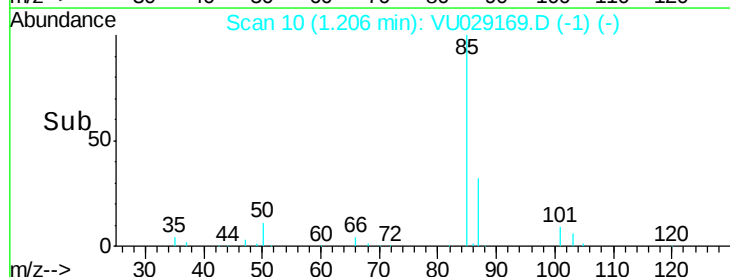
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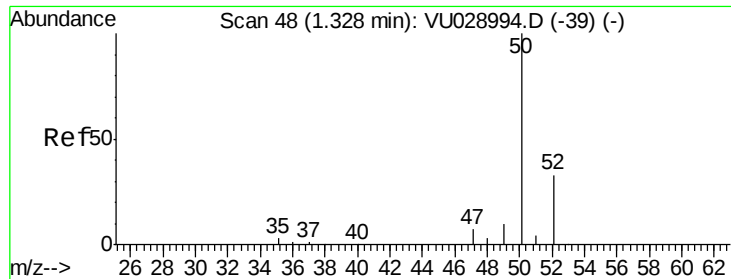
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 41.107 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 91979

Ion Ratio Lower Upper

50 100

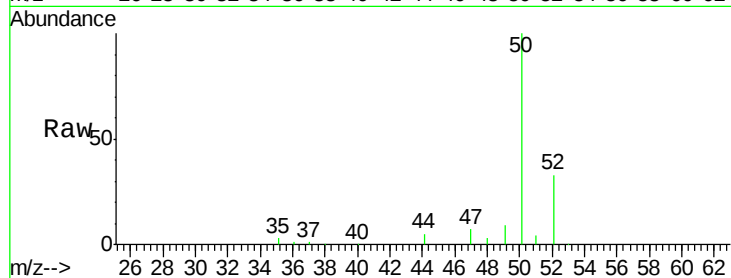
52 32.8 26.1 39.1

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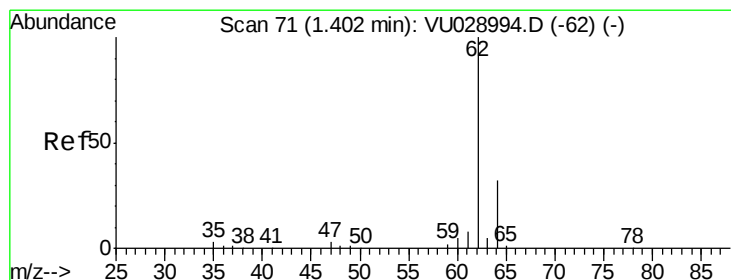
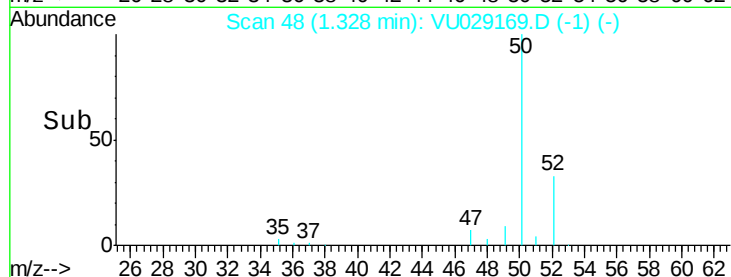
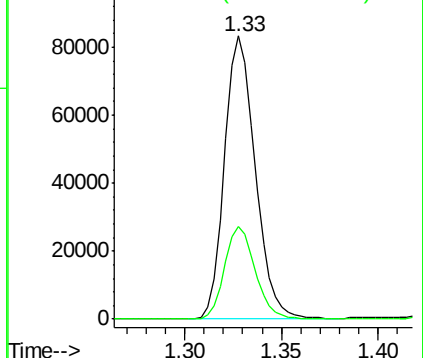
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 46.530 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029169.D

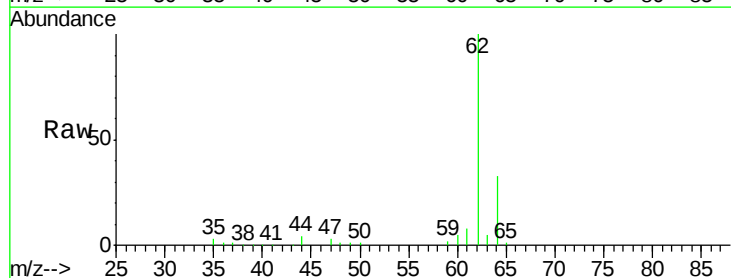
Acq: 14 Jan 2019 17:10

Tgt Ion: 62 Resp: 95836

Ion Ratio Lower Upper

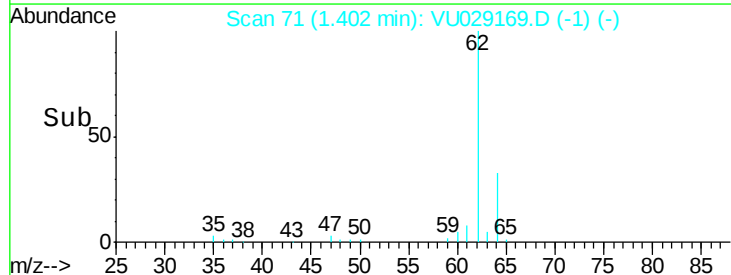
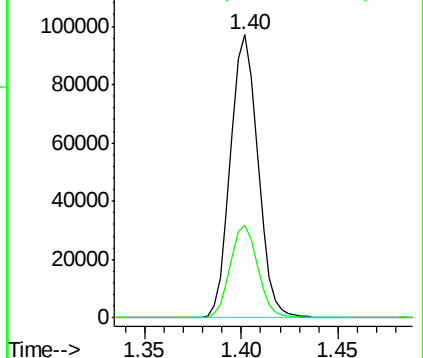
62 100

64 32.9 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 48.953 ug/l

RT: 1.61 min Scan# 136

Delta R.T. 0.01 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 51905

Ion Ratio Lower Upper

94 100

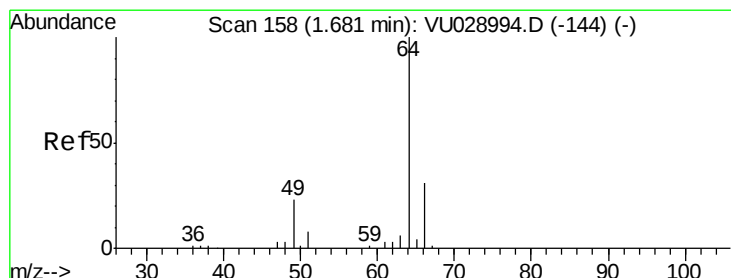
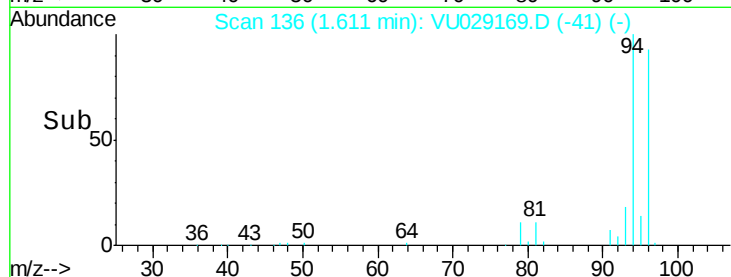
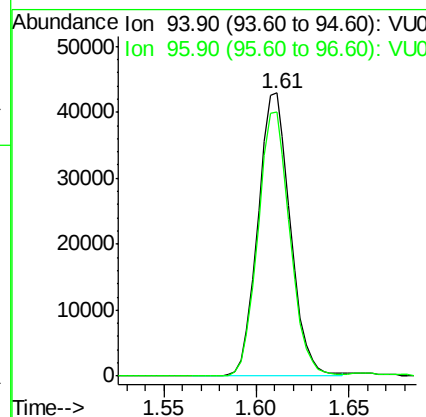
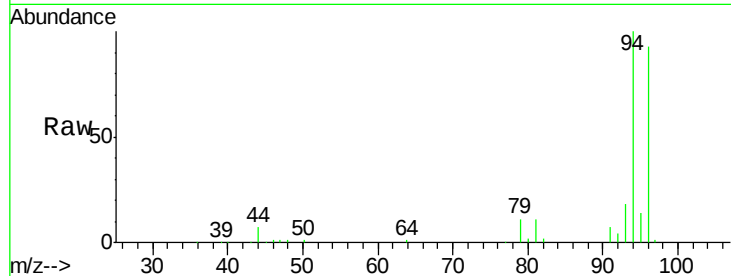
96 93.3 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 47.897 ug/l

RT: 1.69 min Scan# 160

Delta R.T. 0.01 min

Lab File: VU029169.D

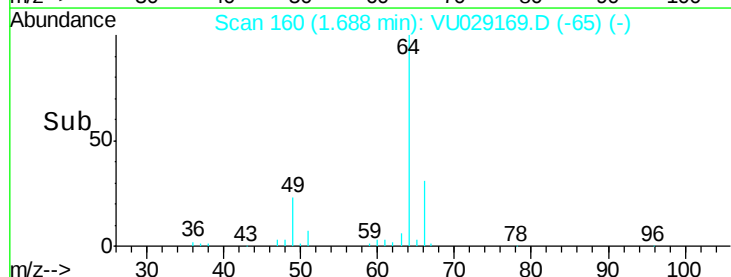
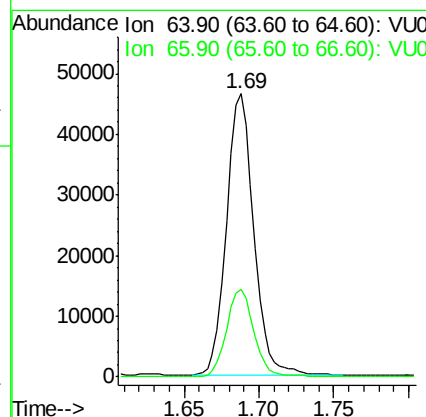
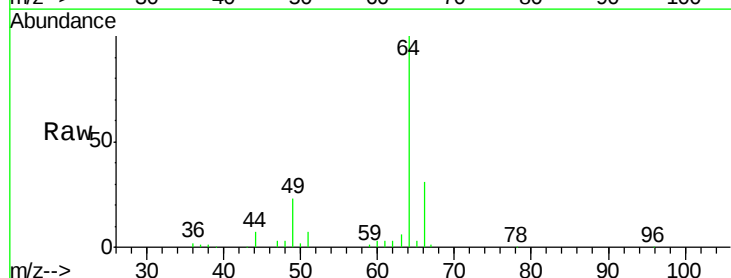
Acq: 14 Jan 2019 17:10

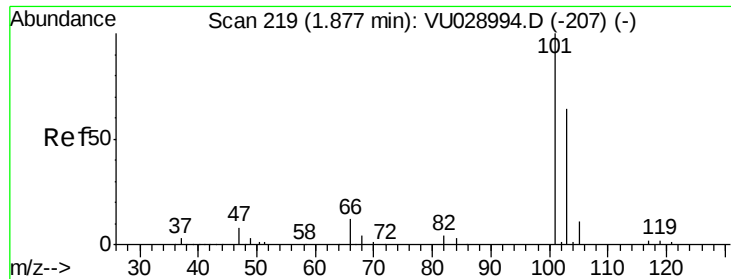
Tgt Ion: 64 Resp: 58761

Ion Ratio Lower Upper

64 100

66 31.3 25.2 37.8





#7

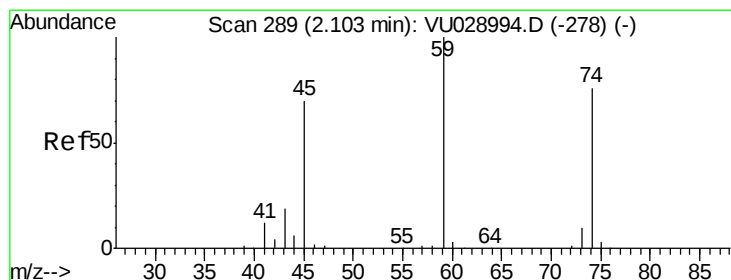
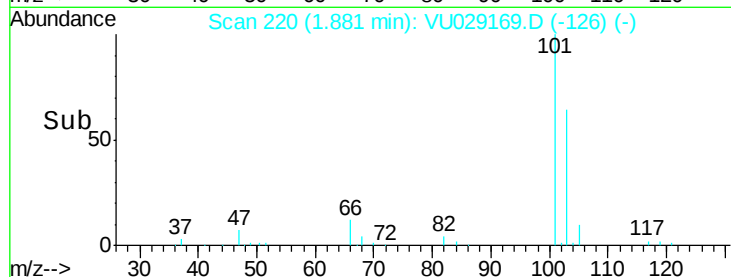
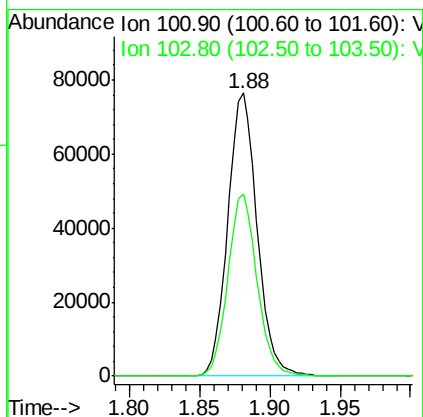
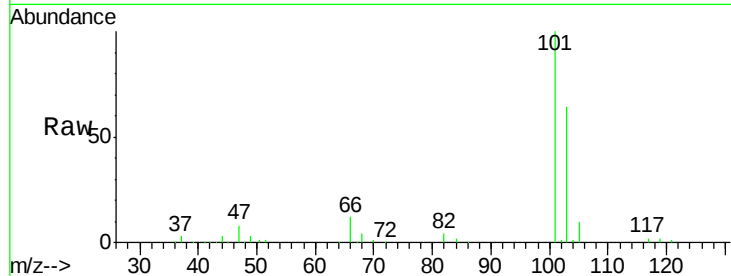
Trichlorofluoromethane
 Concen: 49.652 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 111437
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.5 77.3

Manual Integrations
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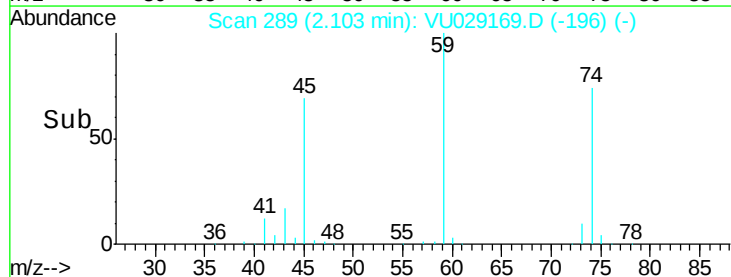
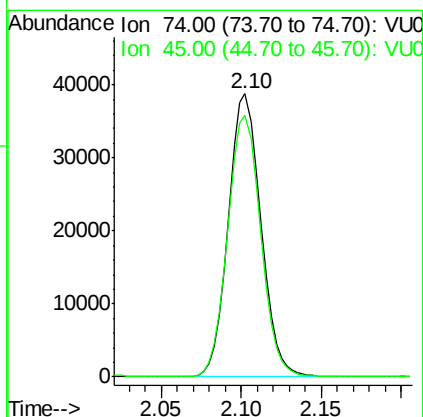
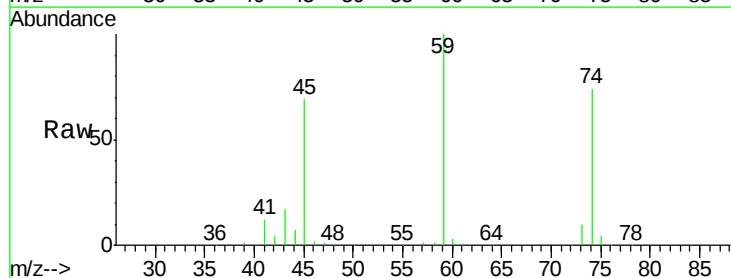
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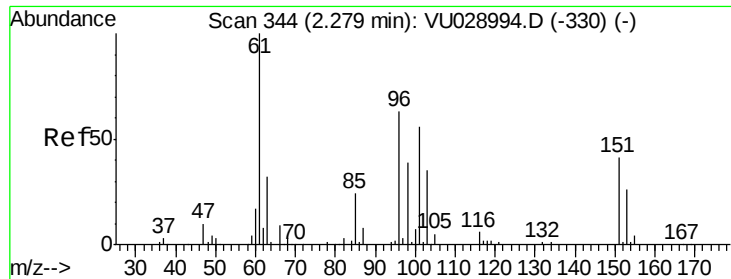


#8

Diethyl Ether
 Concen: 49.701 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Tgt Ion: 74 Resp: 53590
 Ion Ratio Lower Upper
 74 100
 45 94.1 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.153 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

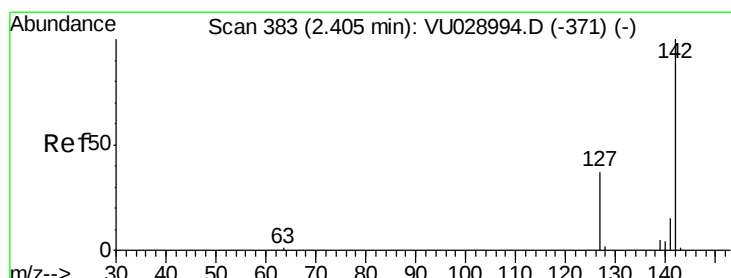
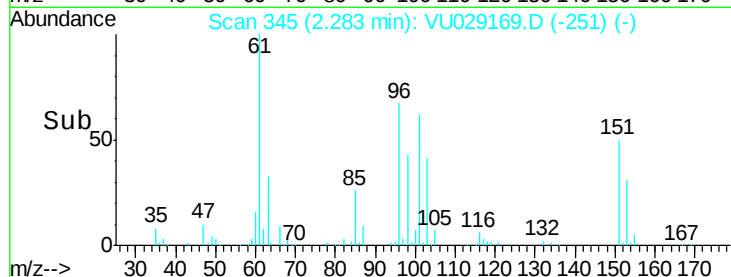
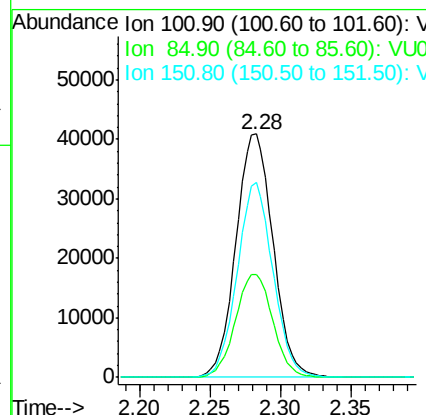
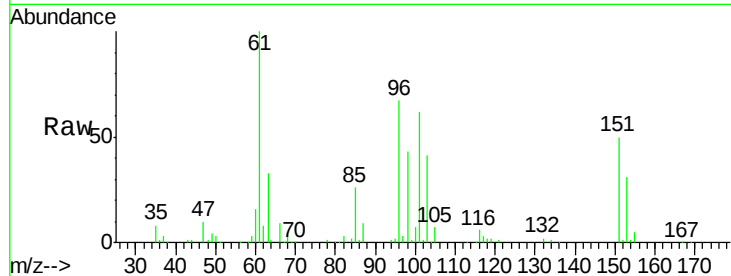
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	75314
Ion Ratio	Lower	Upper	
101	100		
85	42.6	35.1	52.7
151	77.3	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 49.463 ug/l

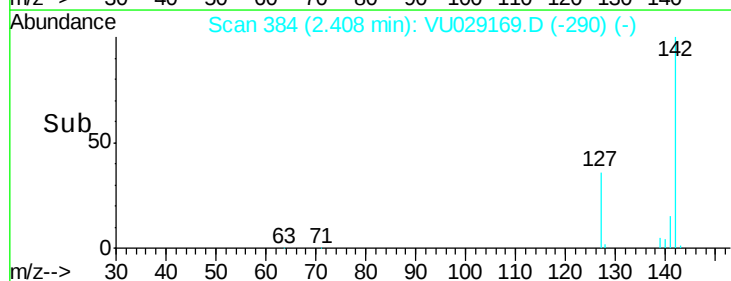
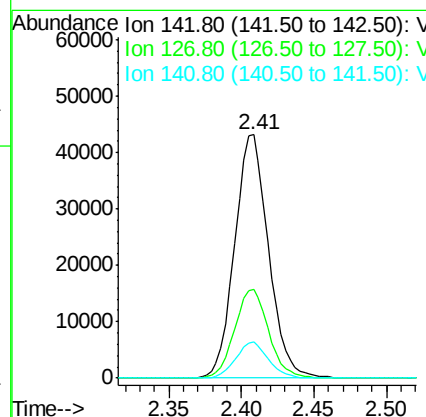
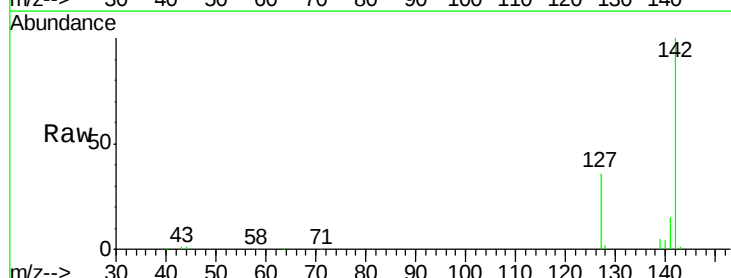
RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Tgt Ion:	142	Resp:	69842
Ion Ratio	Lower	Upper	
142	100		
127	36.5	29.8	44.6
141	14.2	11.5	17.3





#11

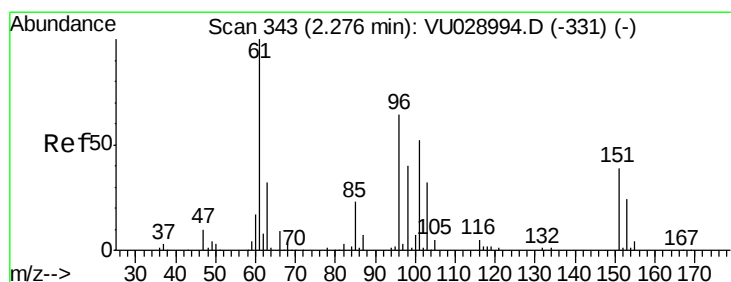
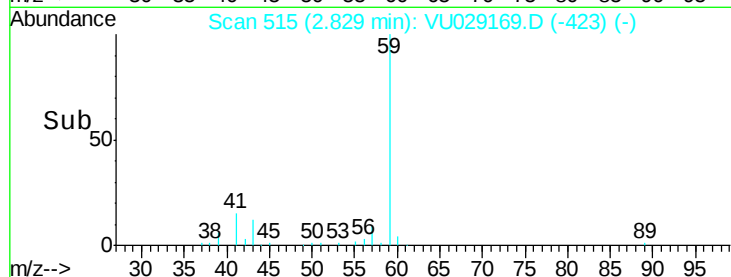
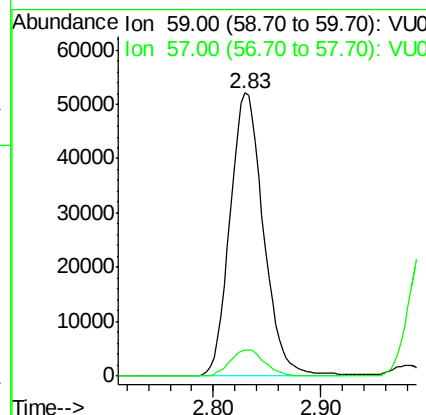
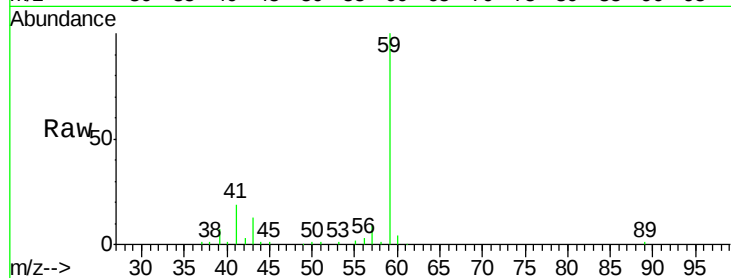
Tert butyl alcohol
Concen: 254.718 ug/l
RT: 2.83 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.9	11.9

Manual Integrations
APPROVED

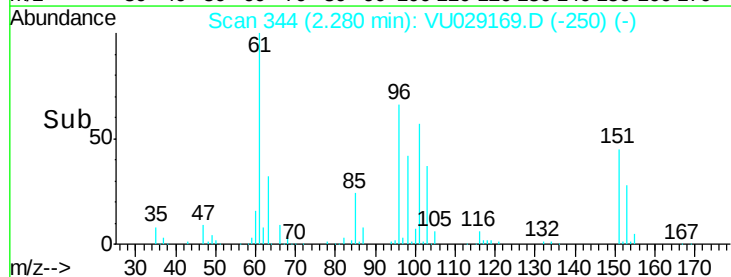
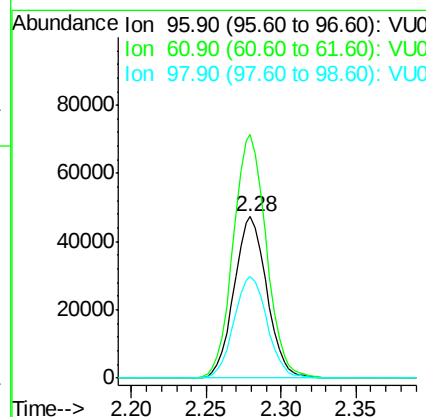
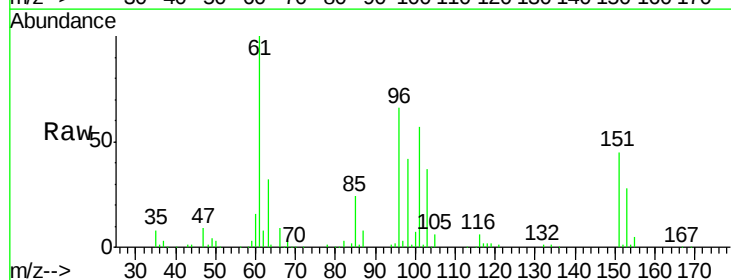
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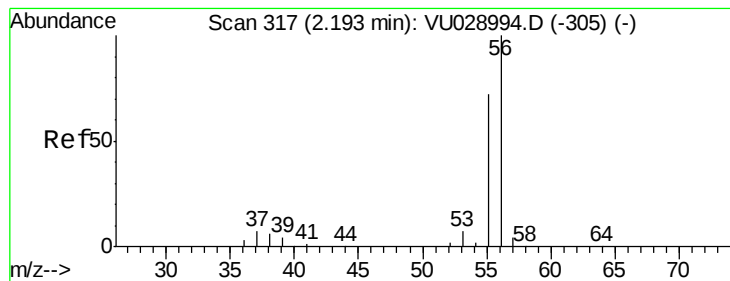


#12

1,1-Dichloroethene
Concen: 49.486 ug/l
RT: 2.28 min Scan# 344
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.8	125.4	188.0
98	62.9	49.7	74.5





#13

Acrolein

Concen: 258.031 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 85803

Ion Ratio Lower Upper

56 100

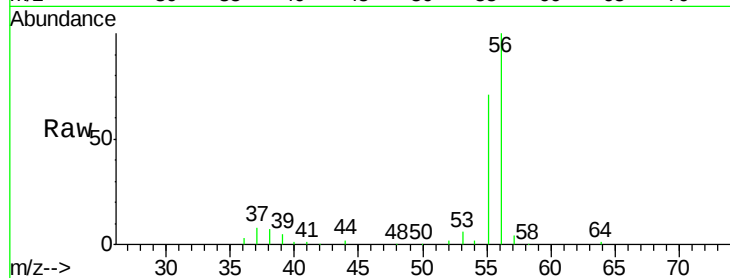
55 71.7 56.5 84.7

Manual Integrations

APPROVED

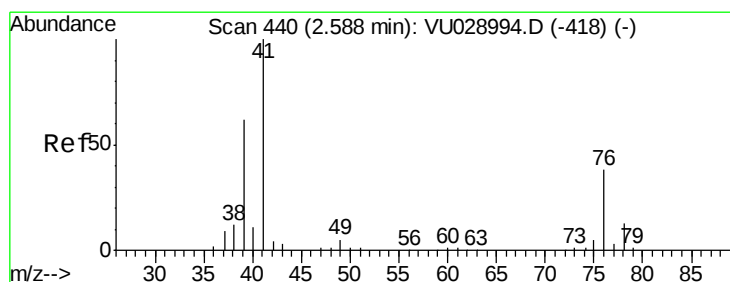
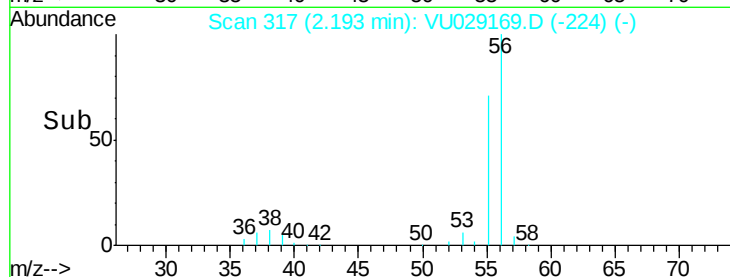
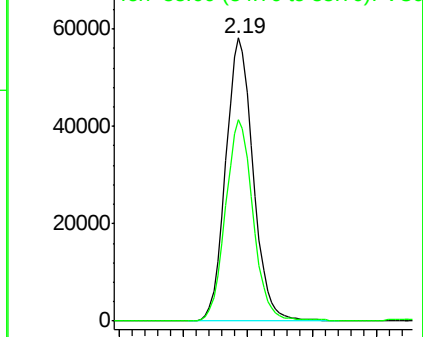
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 42.752 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

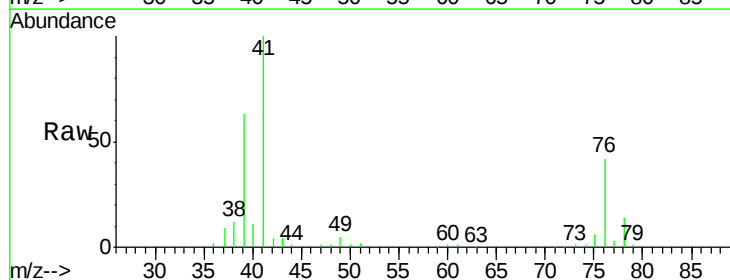
Tgt Ion: 41 Resp: 114658

Ion Ratio Lower Upper

41 100

39 63.6 45.0 67.6

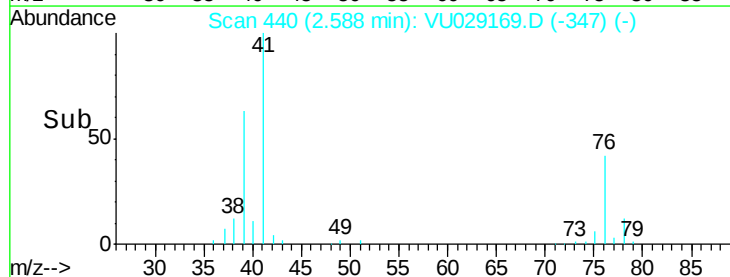
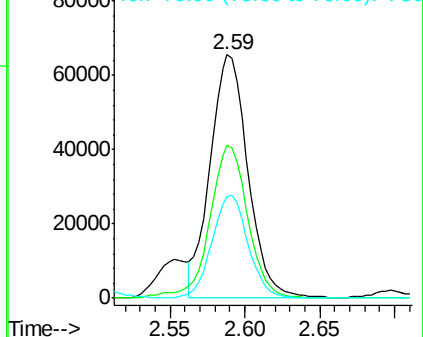
76 40.9 28.1 42.1

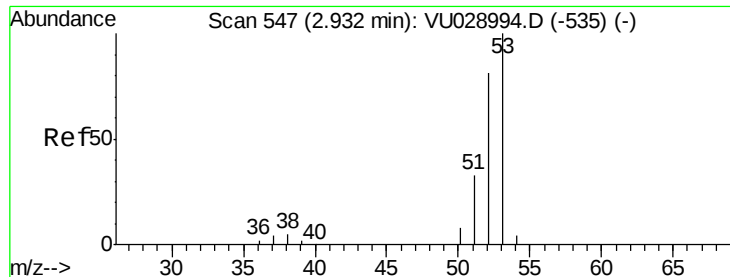


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 249.350 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

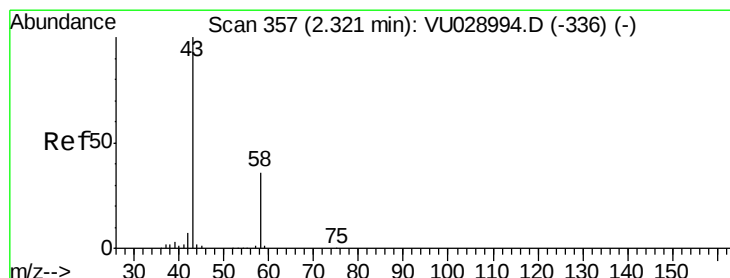
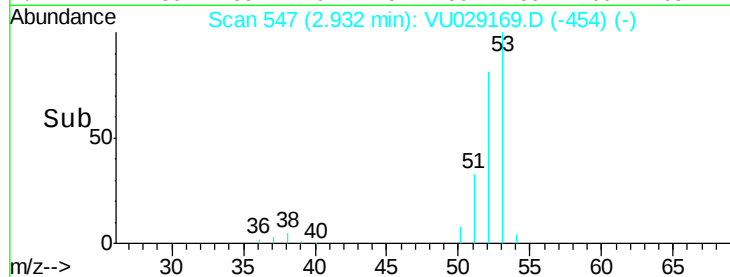
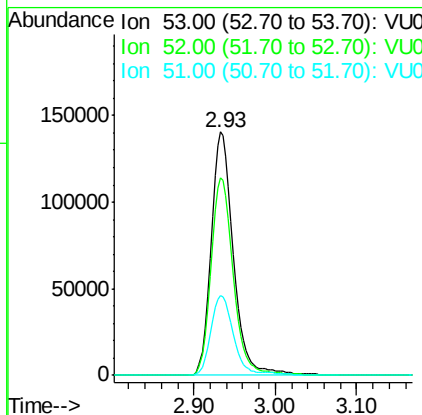
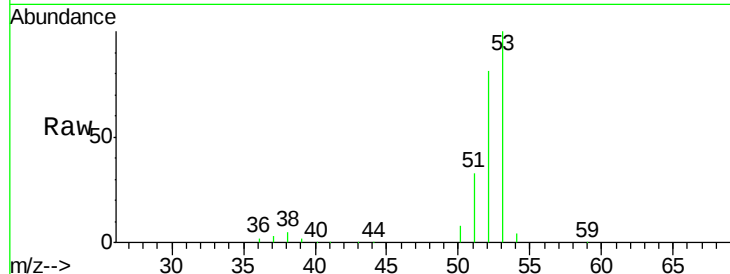
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	270907
Ion	Ratio	Lower	Upper
53	100		
52	81.4	64.8	97.2
51	33.9	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 235.587 ug/l

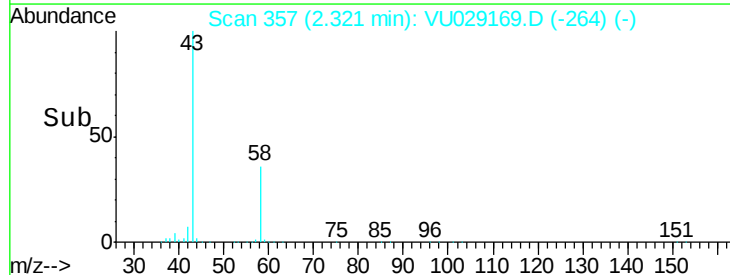
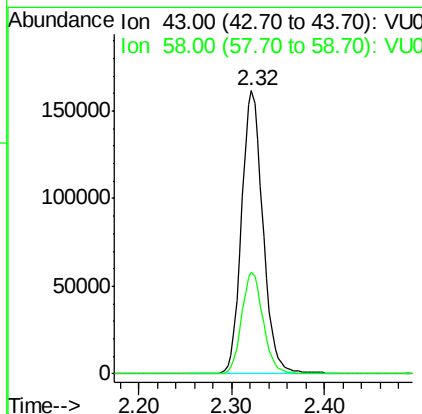
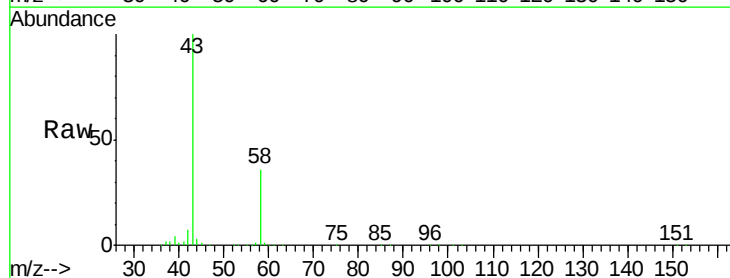
RT: 2.32 min Scan# 357

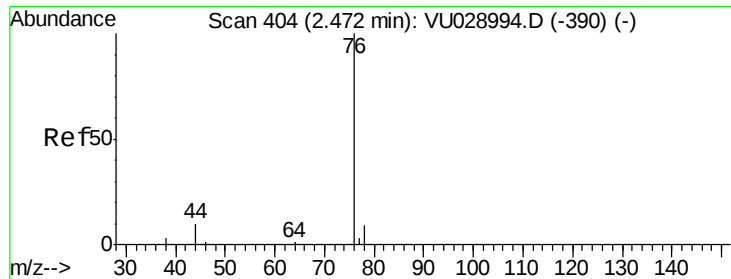
Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Tgt Ion:	43	Resp:	258564
Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.6	42.8





#17

Carbon Disulfide

Concen: 43.161 ug/l

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 209277

Ion Ratio Lower Upper

76 100

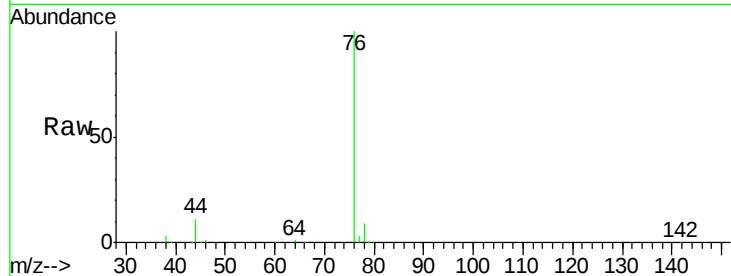
78 9.0 7.2 10.8

Manual Integrations

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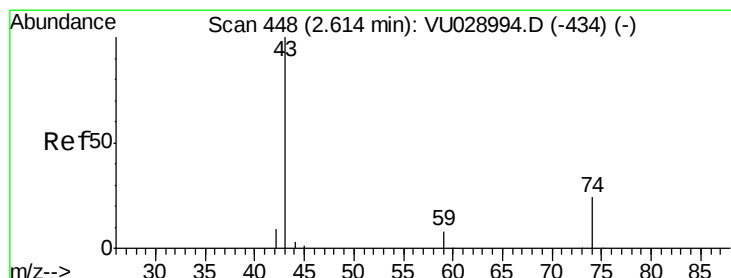
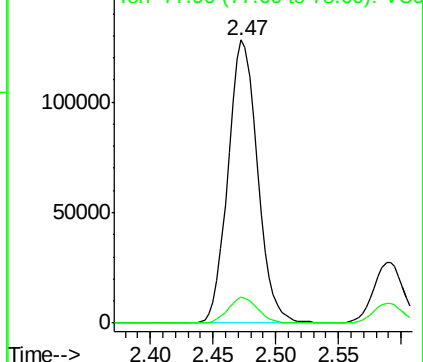
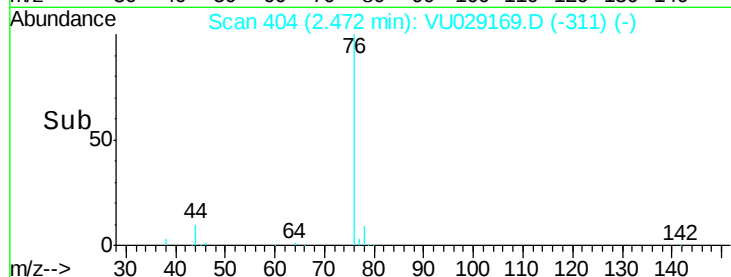
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Abundance Ion 75.90 (75.60 to 76.60): VU029169.D (-311) (-)

Ion 77.90 (77.60 to 78.60): VU029169.D (-311) (-)



#18

Methyl Acetate

Concen: 52.342 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029169.D

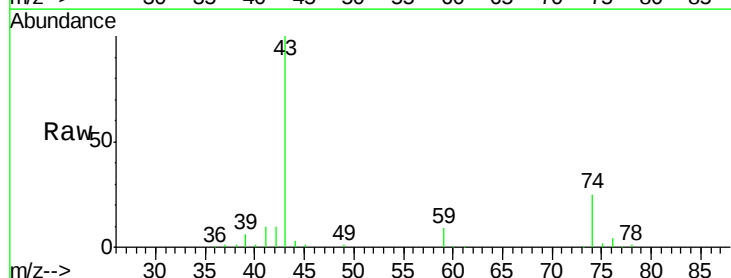
Acq: 14 Jan 2019 17:10

Tgt Ion: 43 Resp: 133574

Ion Ratio Lower Upper

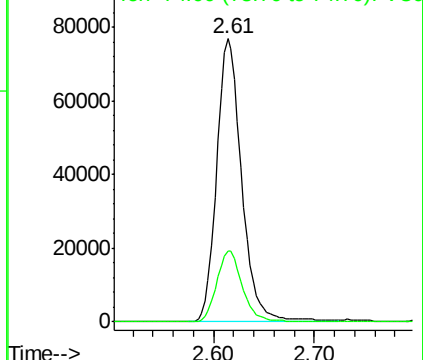
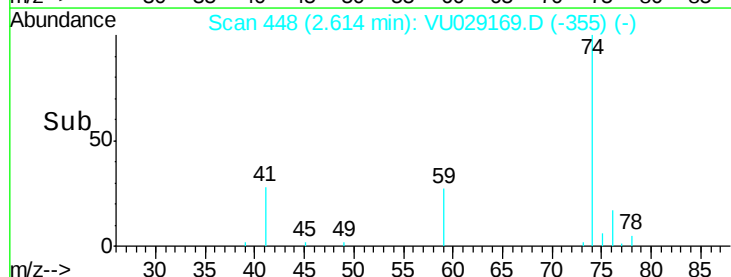
43 100

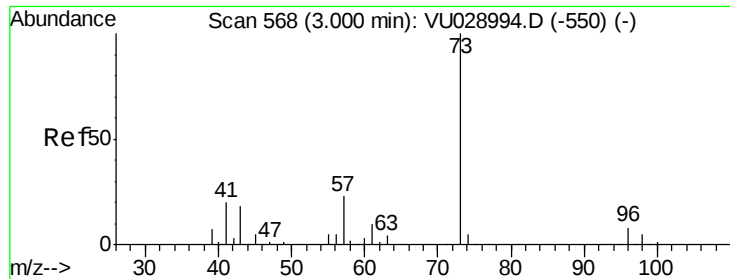
74 25.4 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU029169.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU029169.D (-355) (-)





#19

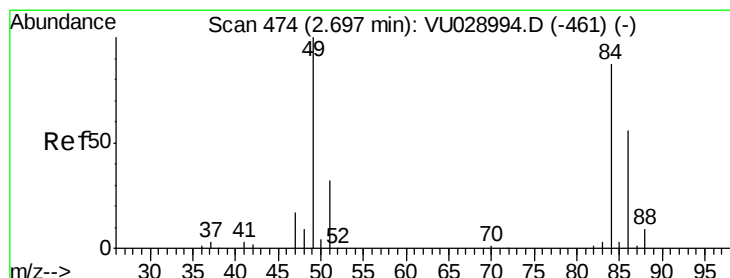
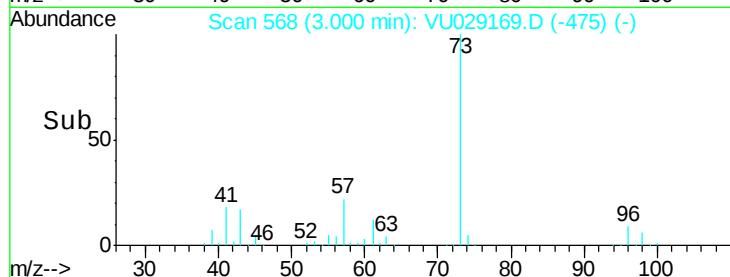
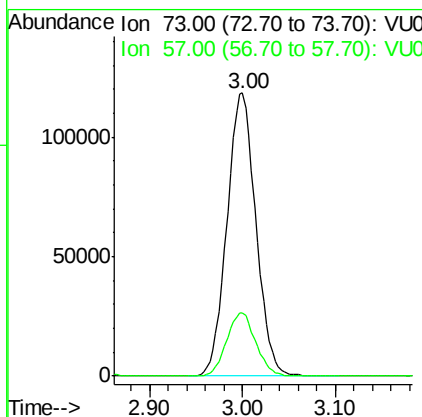
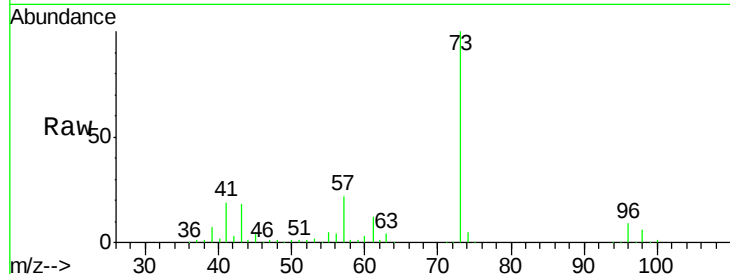
Methyl tert-butyl Ether
 Concen: 49.790 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 255866
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.6 28.0

Manual Integrations
 APPROVED

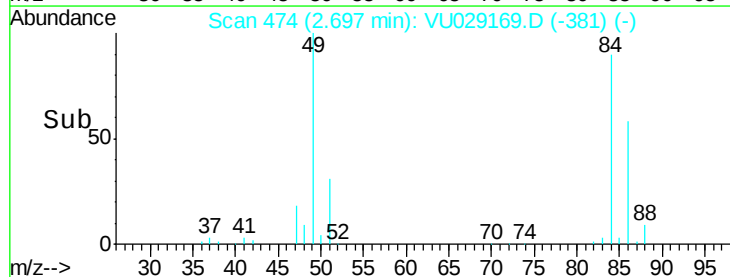
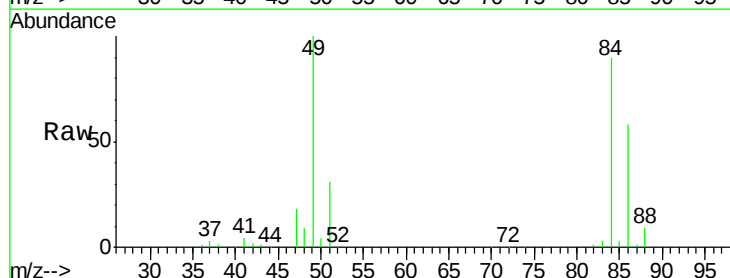
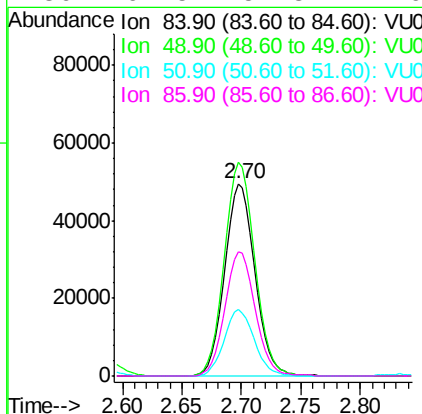
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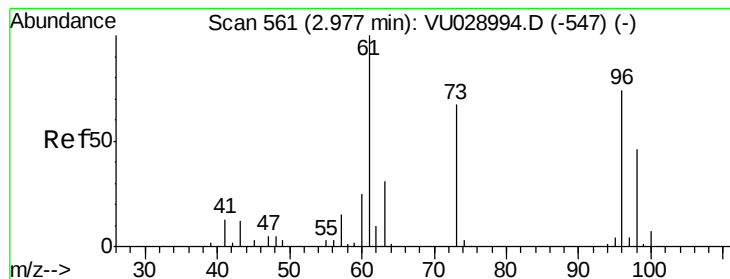


#20

Methylene Chloride
 Concen: 46.820 ug/l
 RT: 2.70 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Tgt Ion: 84 Resp: 87245
 Ion Ratio Lower Upper
 84 100
 49 111.0 91.9 137.9
 51 34.3 29.2 43.8
 86 64.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 46.690 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 79290

Ion Ratio Lower Upper

96 100

61 133.5 107.7 161.5

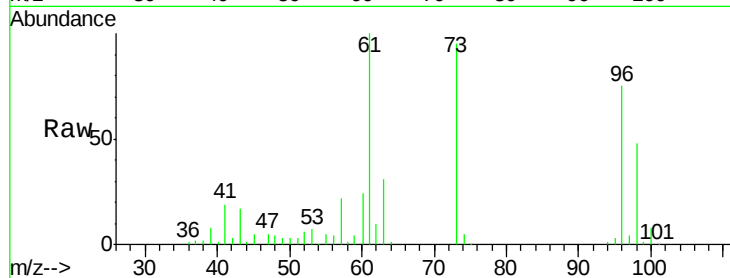
98 63.5 49.2 73.8

Manual Integrations

APPROVED

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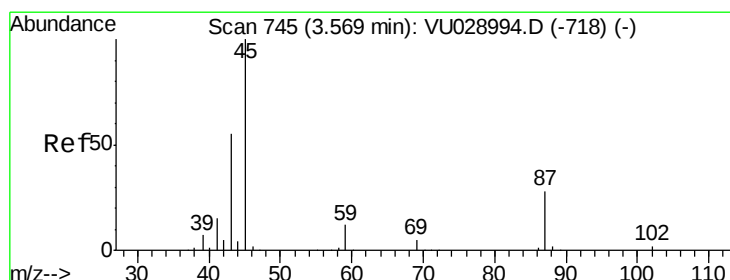
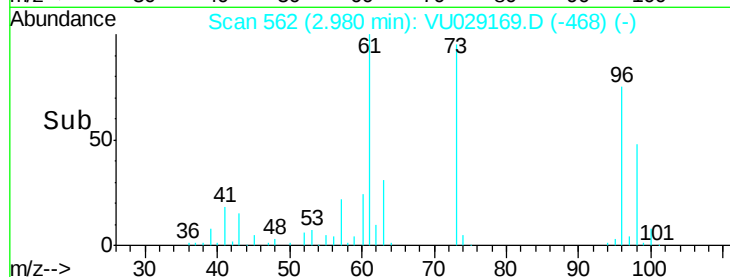
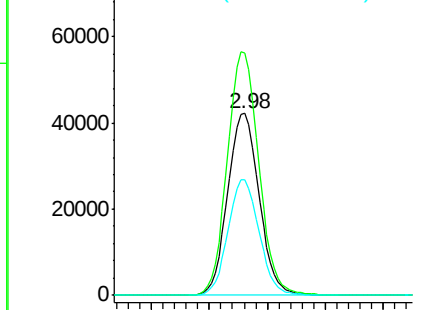
1/15/2019 11:29:50 AM



Abundance Ion 95.90 (95.60 to 96.60): VU029169.D (-547) (-)

Ion 60.90 (60.60 to 61.60): VU029169.D (-547) (-)

Ion 97.90 (97.60 to 98.60): VU029169.D (-547) (-)



#22

Diisopropyl ether

Concen: 48.938 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Tgt Ion: 45 Resp: 259395

Ion Ratio Lower Upper

45 100

43 55.8 44.7 67.1

87 28.2 22.2 33.2

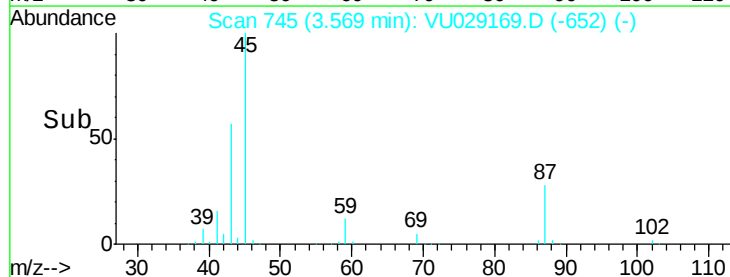
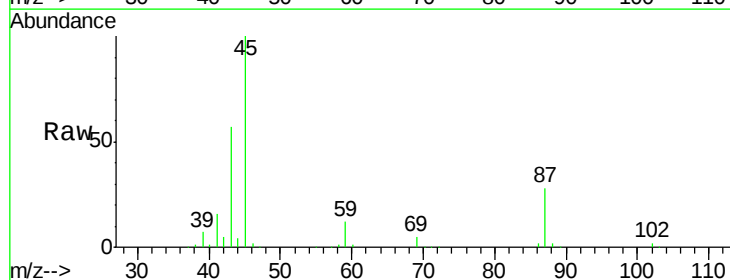
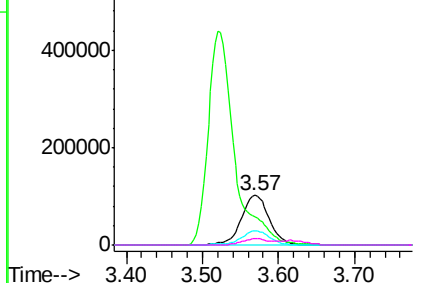
59 12.3 9.8 14.8

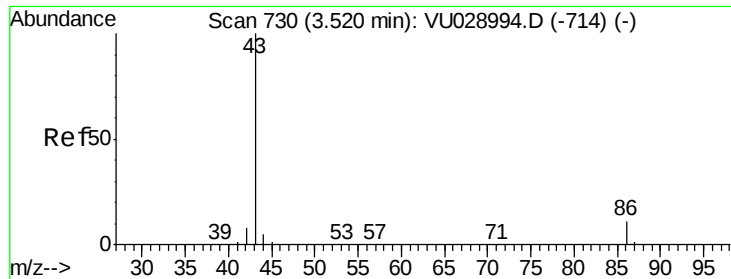
Abundance Ion 45.00 (44.70 to 45.70): VU029169.D (-652) (-)

Ion 43.00 (42.70 to 43.70): VU029169.D (-652) (-)

Ion 87.00 (86.70 to 87.70): VU029169.D (-652) (-)

Ion 59.00 (58.70 to 59.70): VU029169.D (-652) (-)





#23

Vinyl Acetate

Concen: 244.106 ug/l

RT: 3.52 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1057763

Ion Ratio Lower Upper

43 100

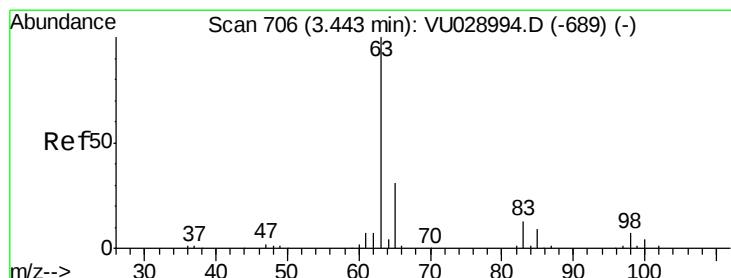
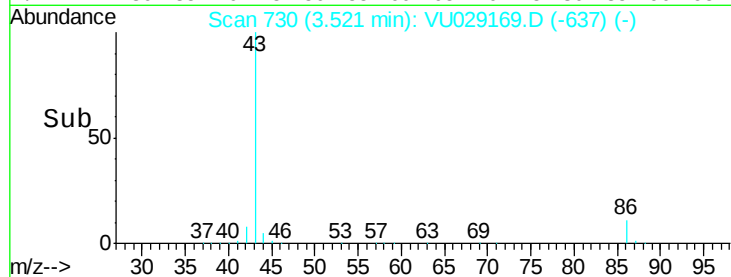
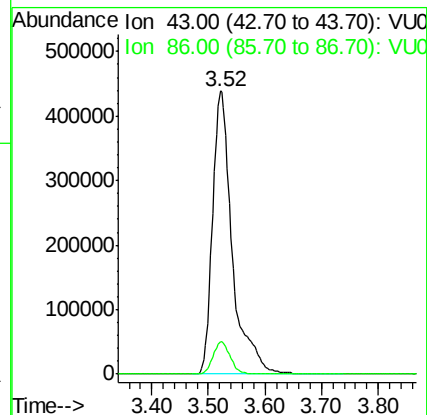
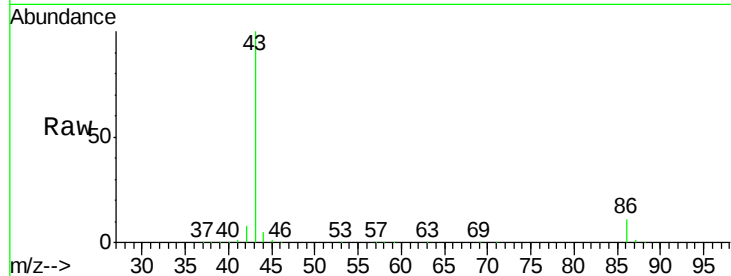
86 11.3 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.285 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

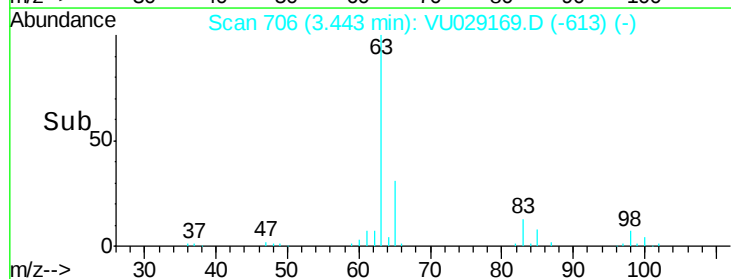
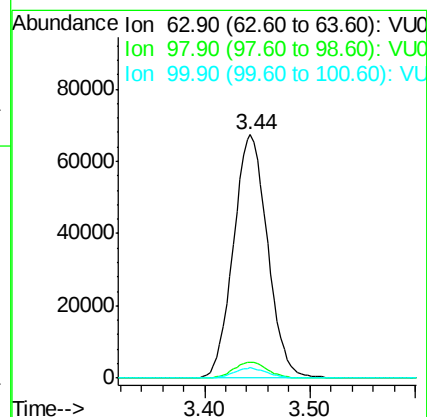
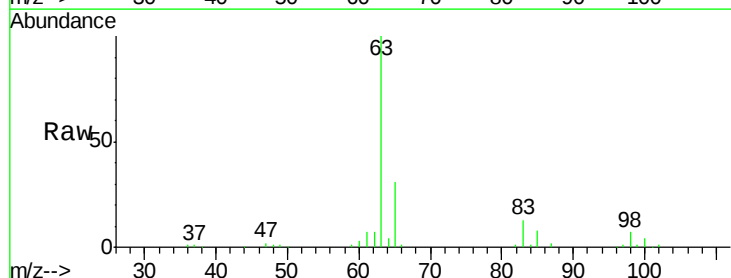
Tgt Ion: 63 Resp: 150805

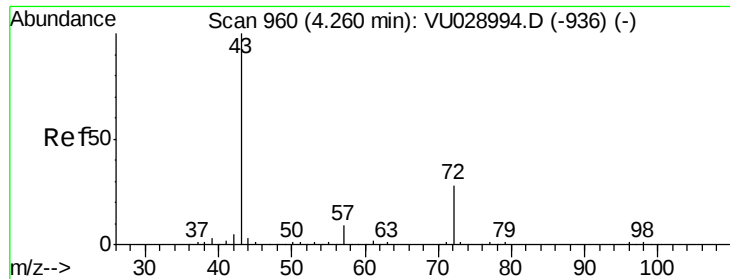
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.3 2.0 5.8





#25

2-Butanone

Concen: 252.666 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 374546

Ion Ratio Lower Upper

43 100

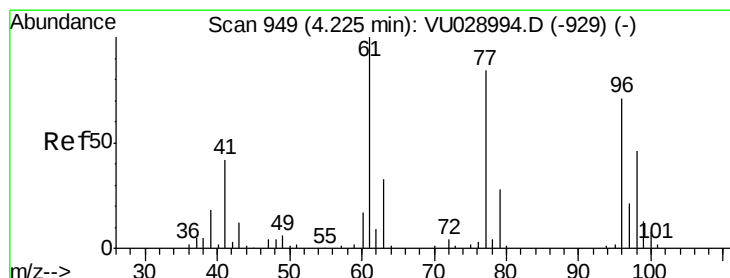
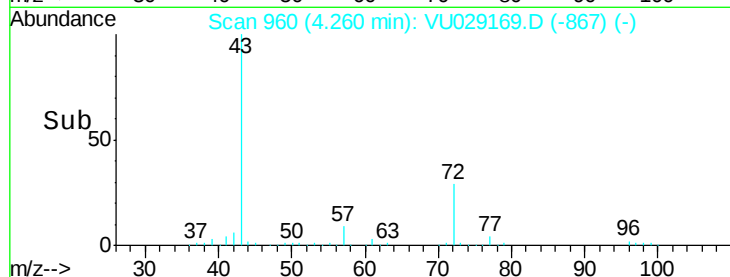
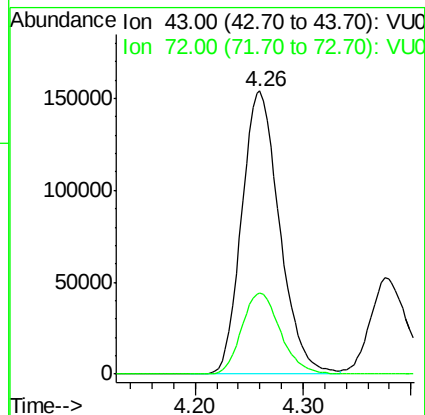
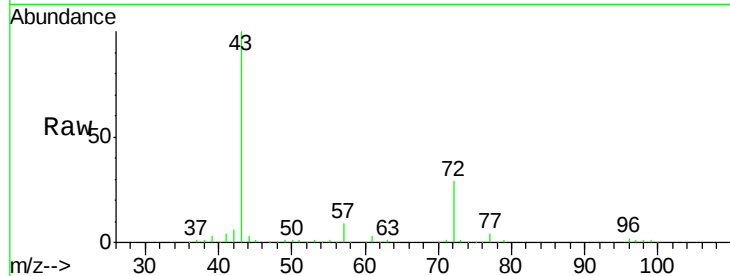
72 28.7 22.6 33.8

Manual Integrations

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MMDadoda

1/15/2019 11:29:50 AM



#26

2,2-Dichloropropane

Concen: 49.961 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029169.D

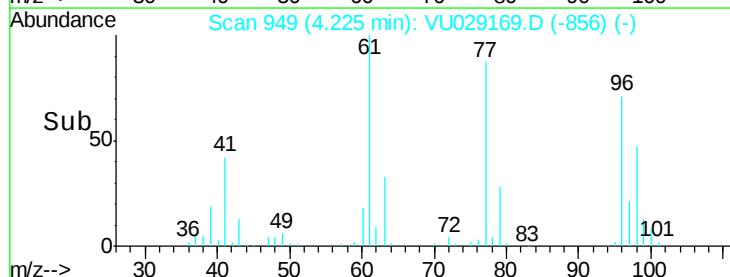
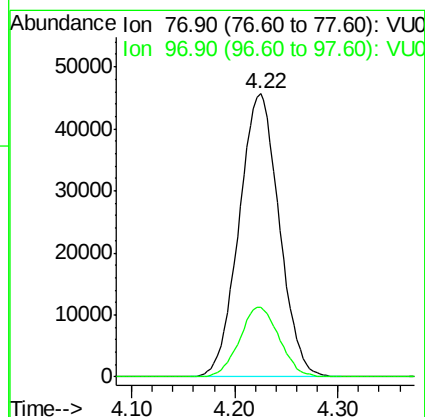
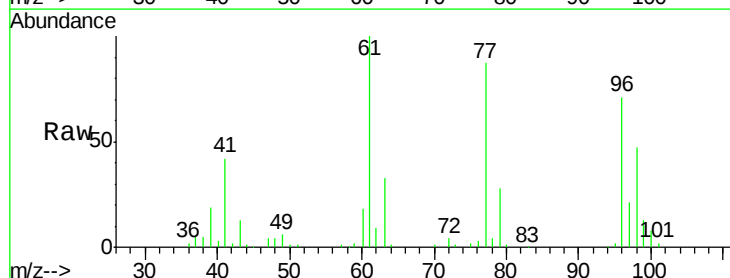
Acq: 14 Jan 2019 17:10

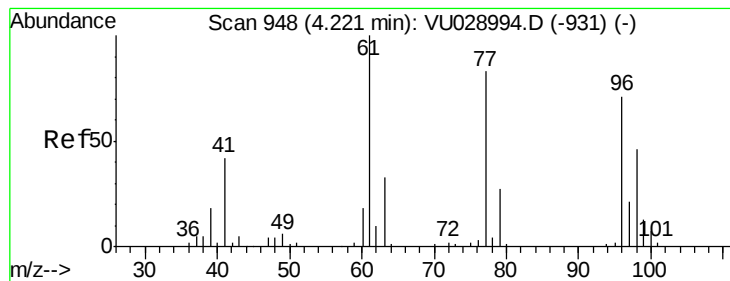
Tgt Ion: 77 Resp: 123525

Ion Ratio Lower Upper

77 100

97 24.3 12.0 36.1





#27

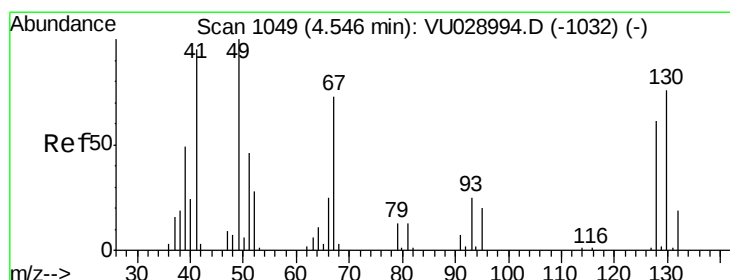
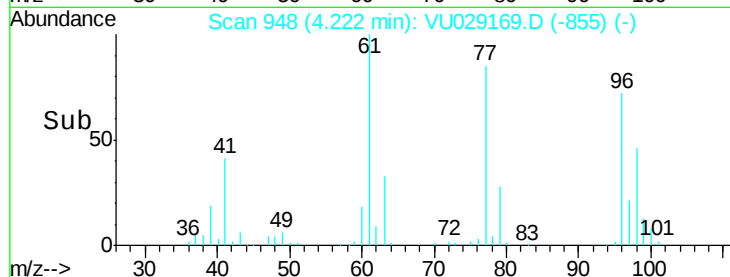
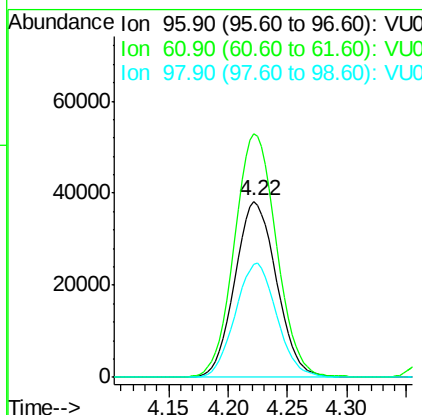
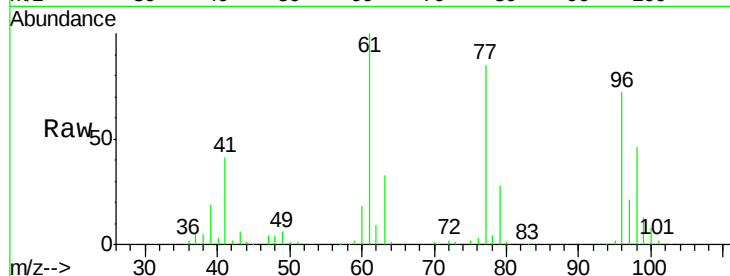
cis-1,2-Dichloroethene
Concen: 49.845 ug/l
RT: 4.22 min Scan# 948
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	285.6
98	64.6	0.0	130.2

Manual Integrations
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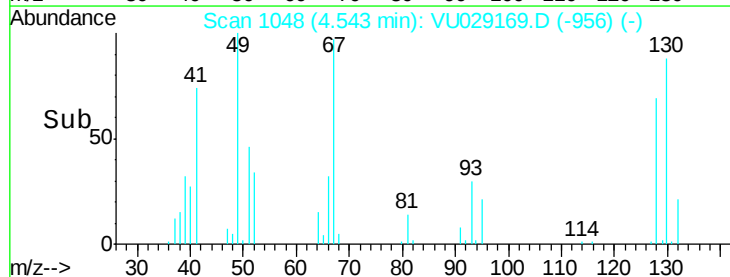
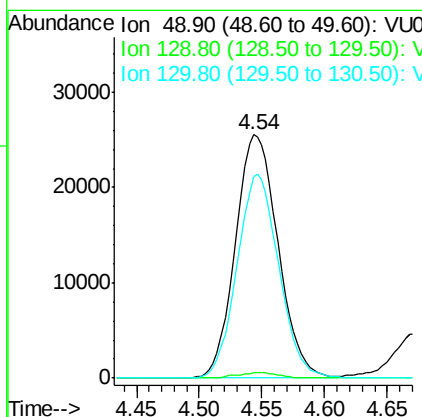
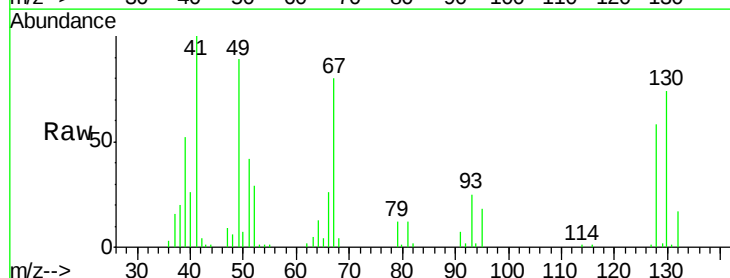
MMDadoda
1/15/2019 11:29:50 AM

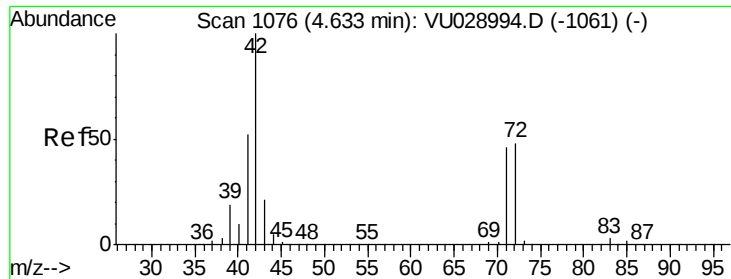


#28

Bromochloromethane
Concen: 46.097 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.4
130	81.8	62.9	94.3





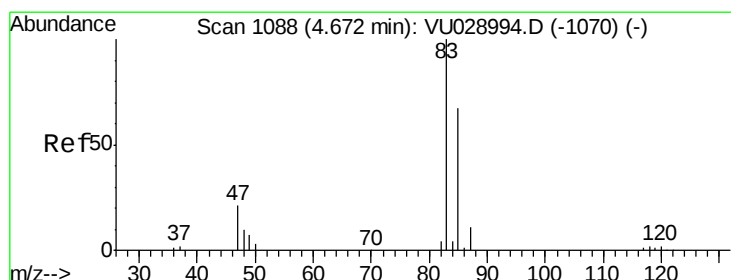
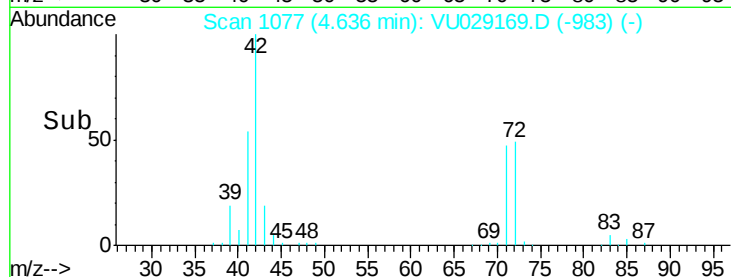
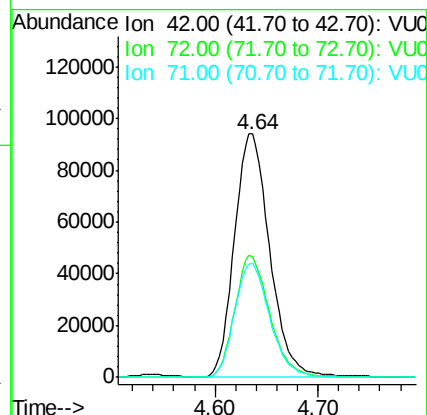
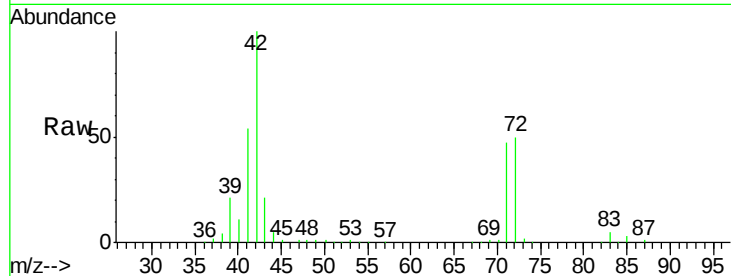
#29
Tetrahydrofuran
Concen: 248.482 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.0	38.3	57.5
71	47.1	36.1	54.1

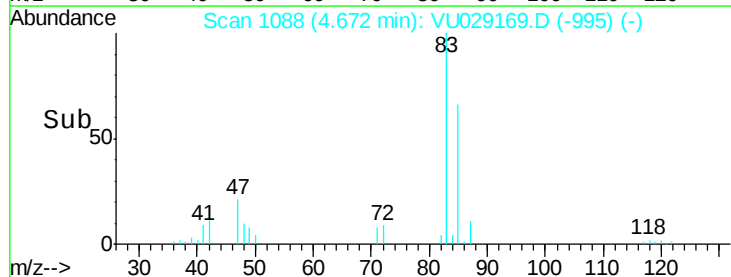
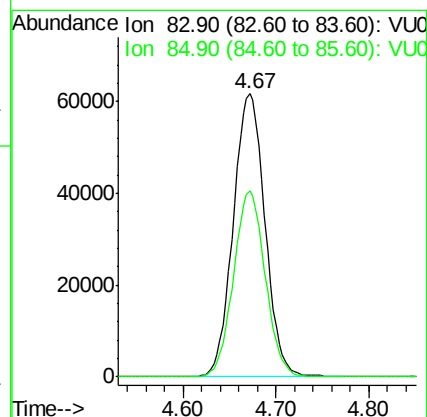
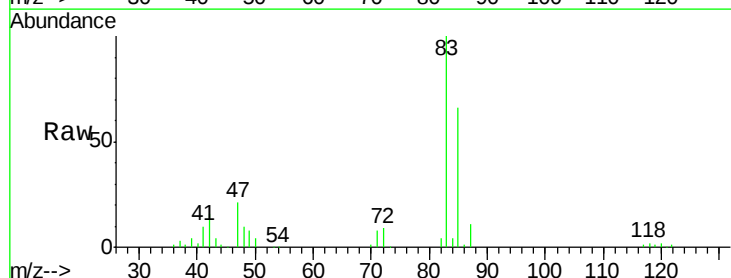
Manual Integrations
APPROVED

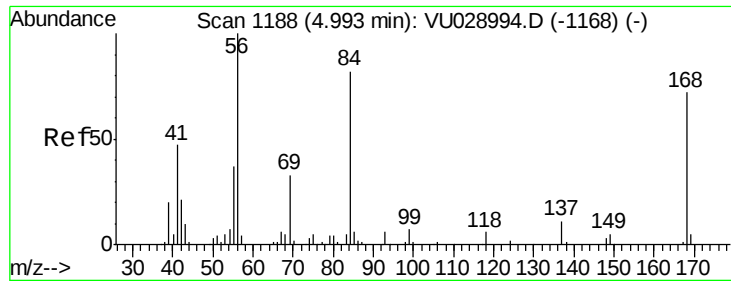
MMDadoda
1/15/2019 11:29:50 AM



#30
Chloroform
Concen: 50.252 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.4	80.0





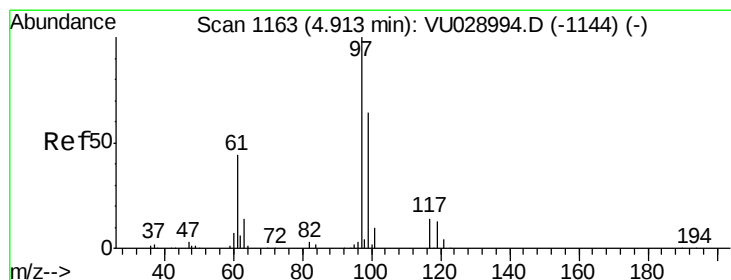
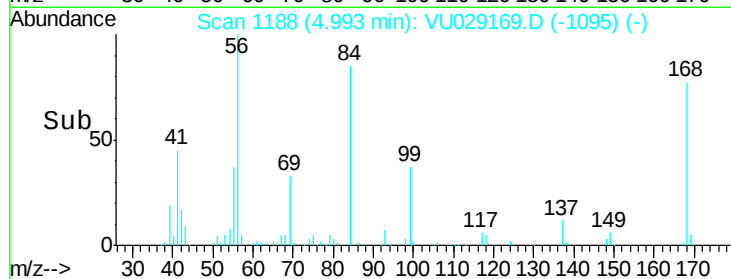
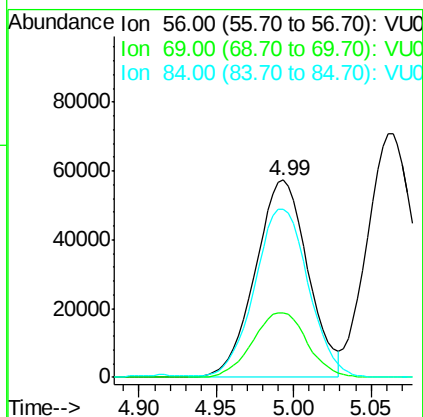
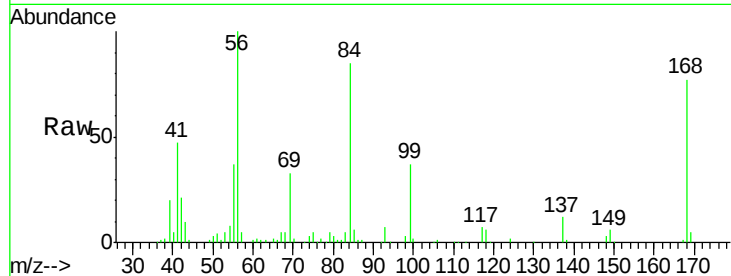
#31
Cyclohexane
Concen: 46.931 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.7	40.1
84	84.8	65.7	98.5

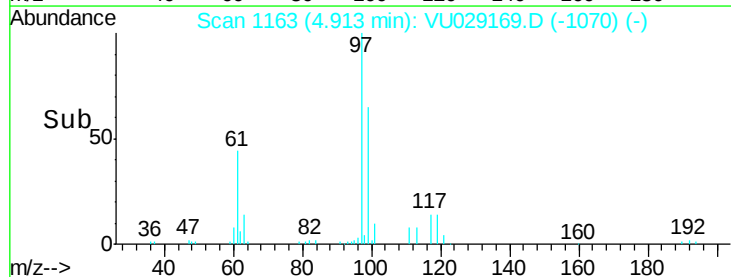
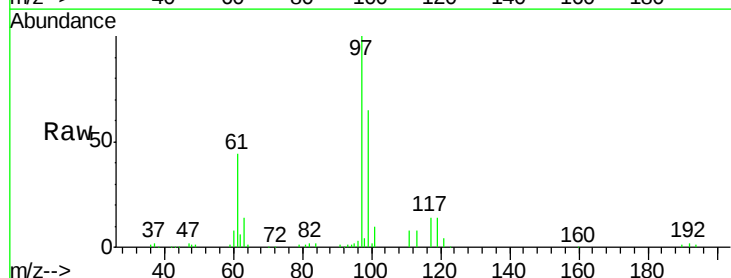
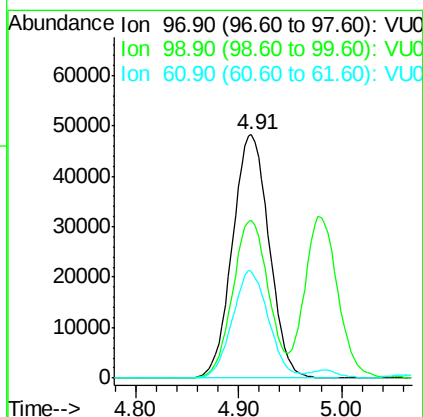
Manual Integrations
APPROVED

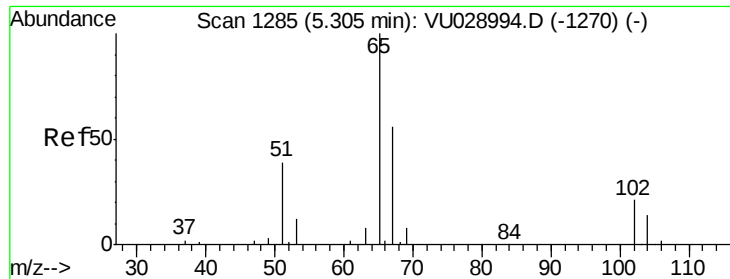
MMDadoda
1/15/2019 11:29:50 AM



#32
1,1,1-Trichloroethane
Concen: 49.538 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.4
61	43.7	34.4	51.6





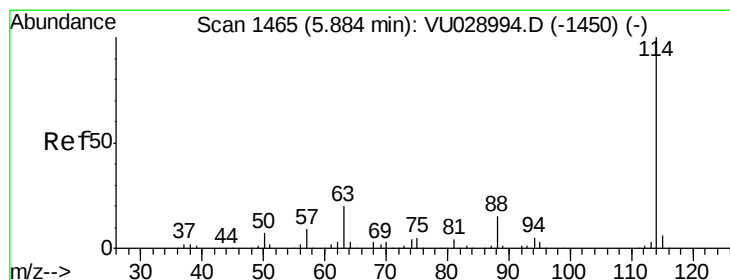
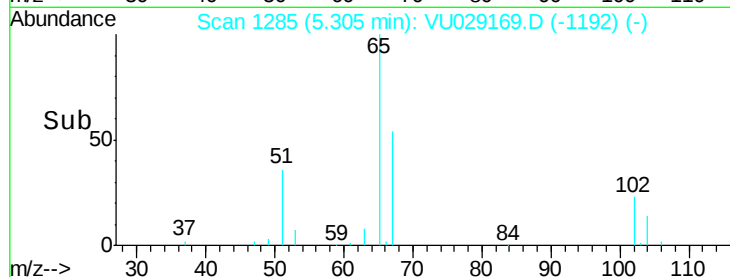
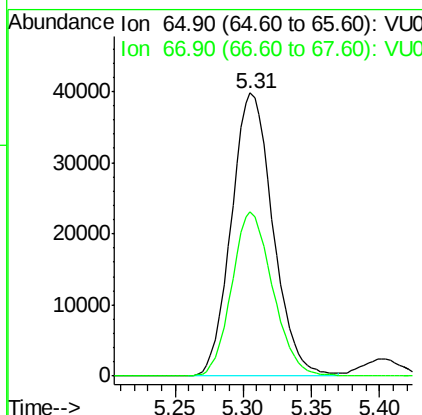
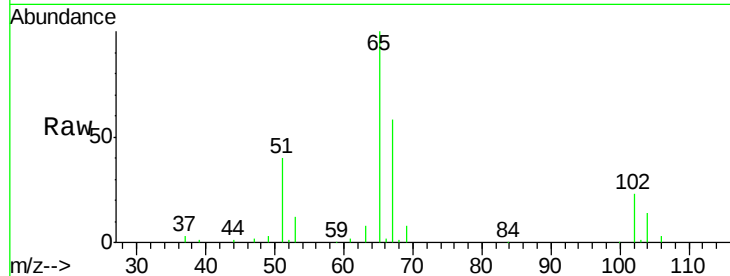
#33
 1,2-Dichloroethane-d4
 Concen: 48.427 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.9	0.0	111.0

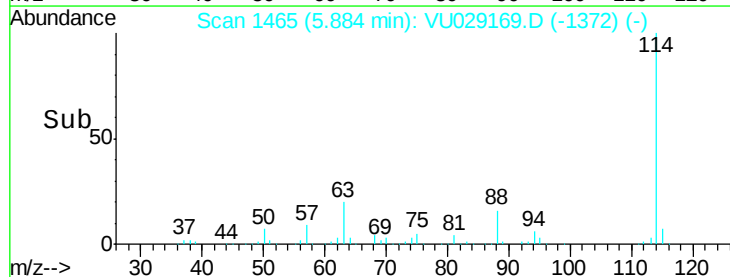
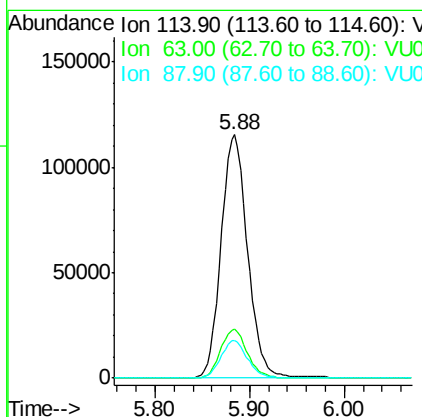
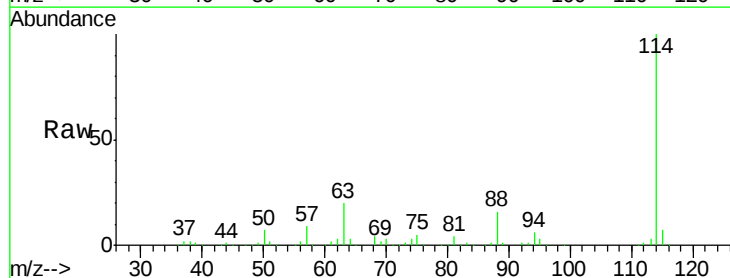
Manual Integrations
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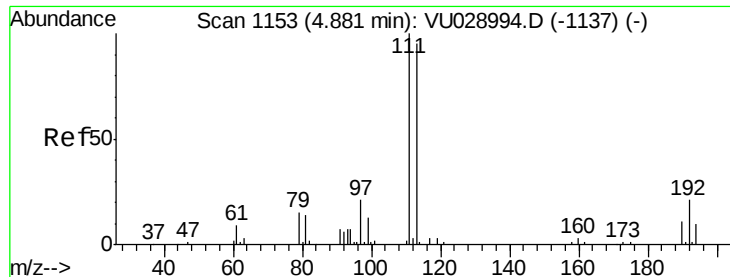
MMDadoda
 1/15/2019 11:29:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.2
88	15.6	0.0	30.4





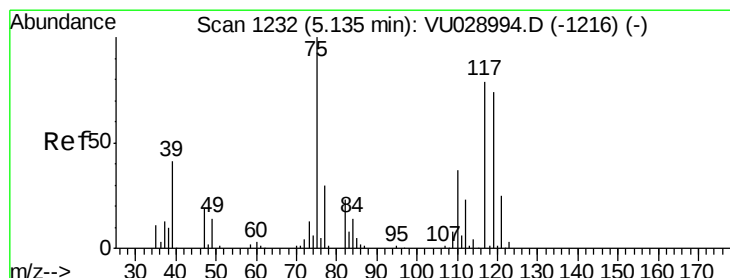
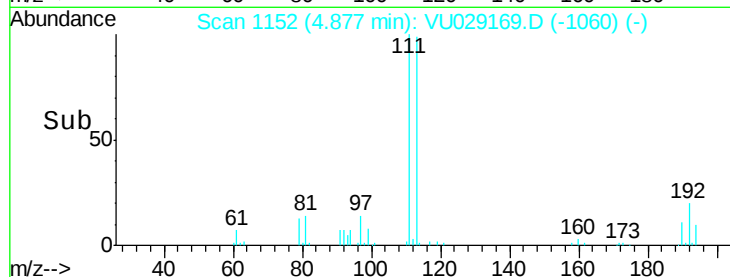
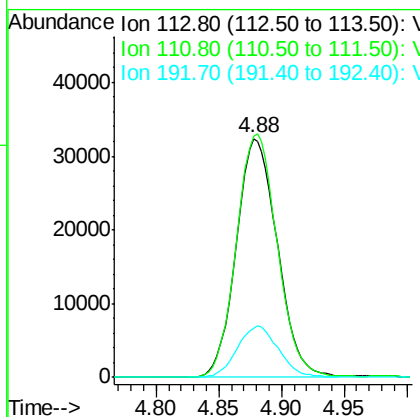
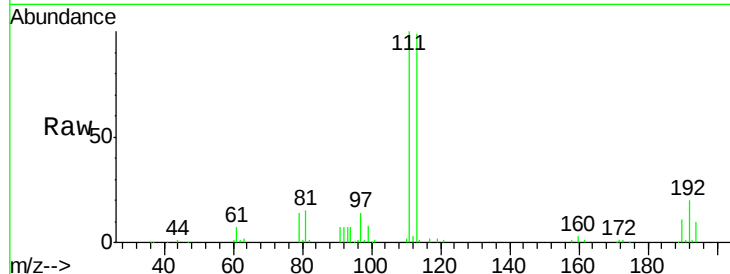
#35
Dibromofluoromethane
Concen: 50.524 ug/l
RT: 4.88 min Scan# 1152
Delta R.T. -0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.4	122.2
192	21.5	16.8	25.2

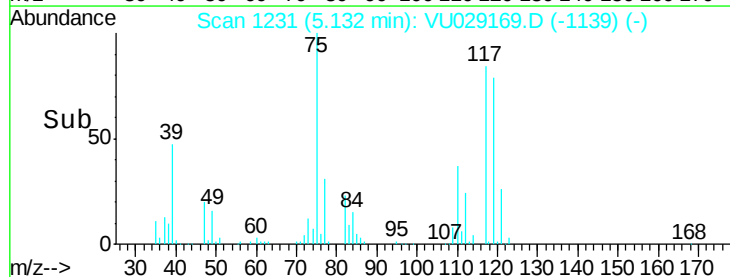
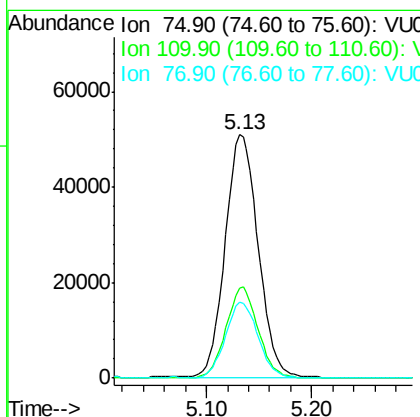
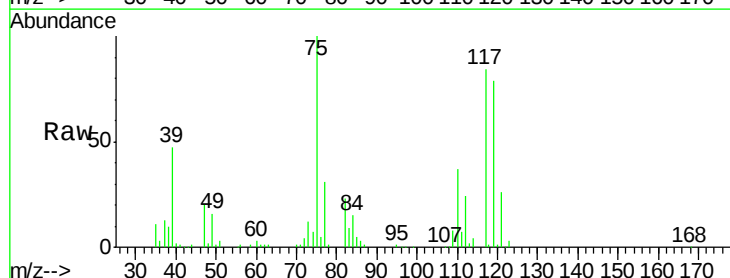
Manual Integrations
APPROVED

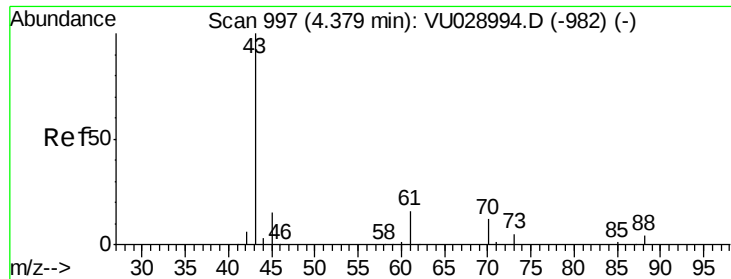
MMDadoda
1/15/2019 11:29:50 AM



#36
1,1-Dichloropropene
Concen: 49.304 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.4	55.4
77	30.6	25.1	37.7





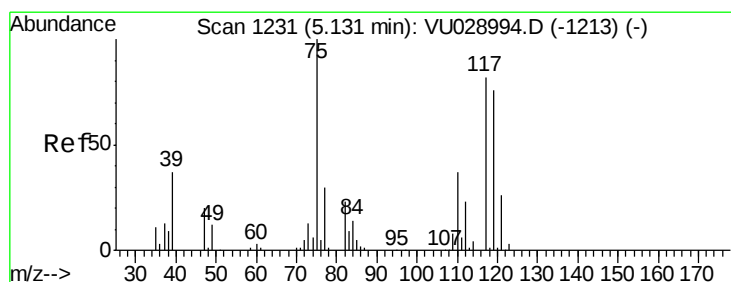
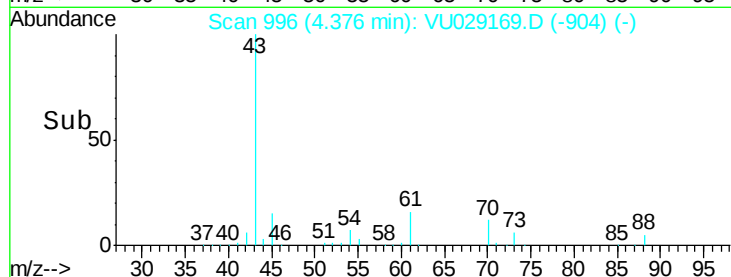
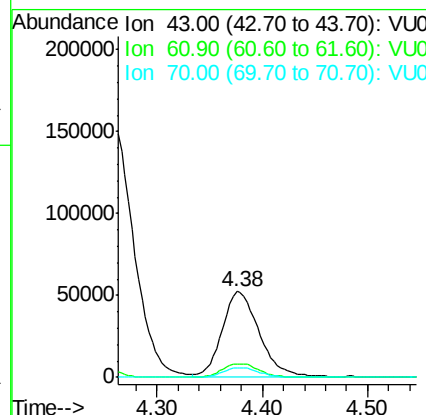
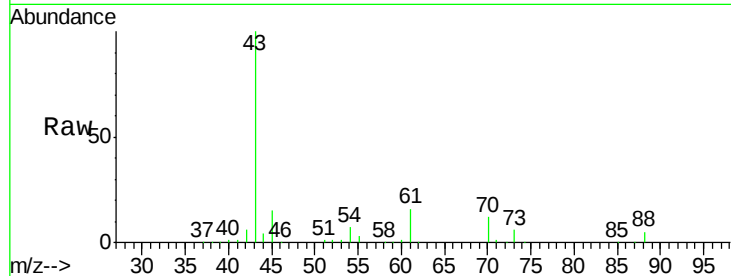
#37
Ethyl Acetate
Concen: 50.762 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	12.6	18.8
70	11.7	9.3	13.9

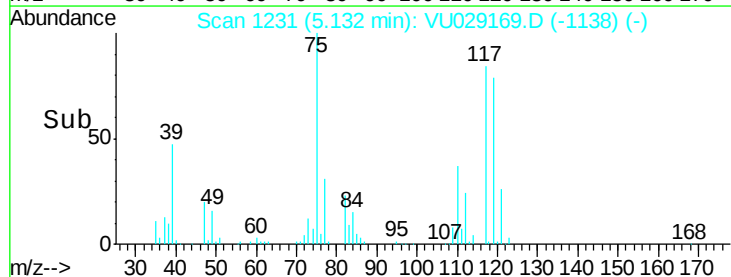
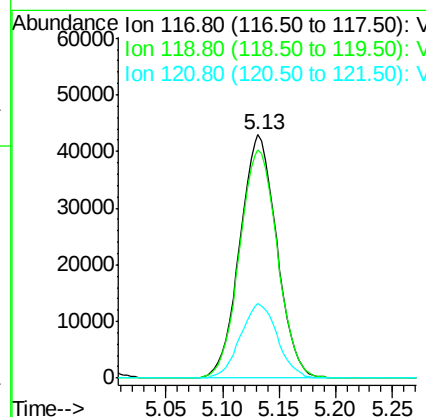
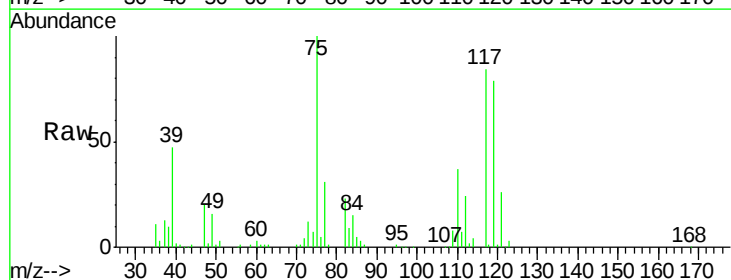
Manual Integrations
APPROVED

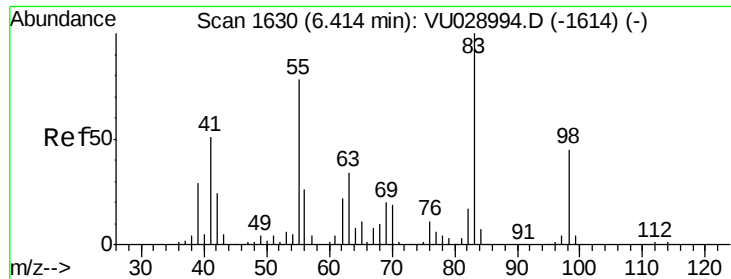
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#38
Carbon Tetrachloride
Concen: 51.859 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	74.6	111.8
121	30.5	25.0	37.6





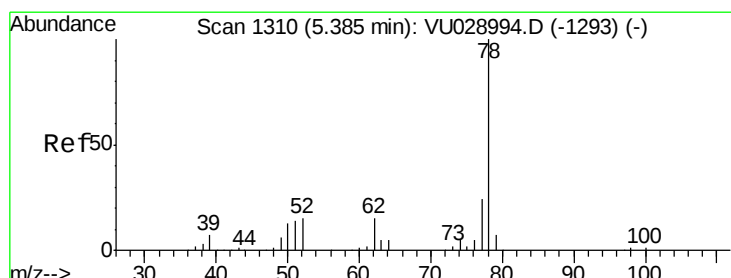
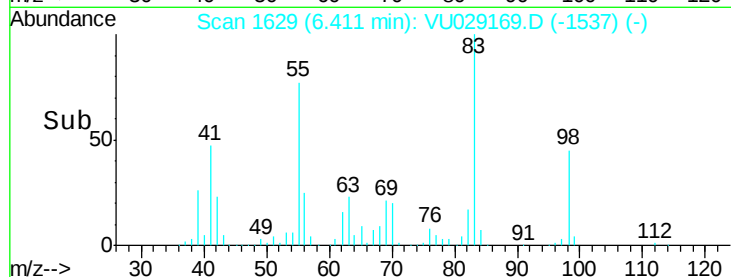
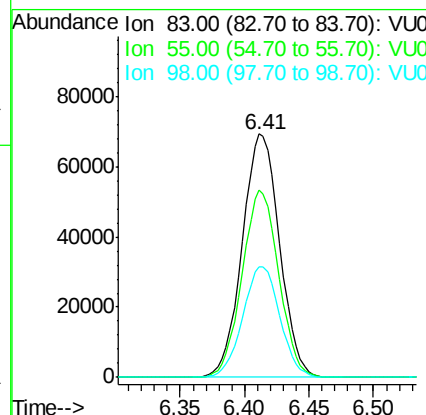
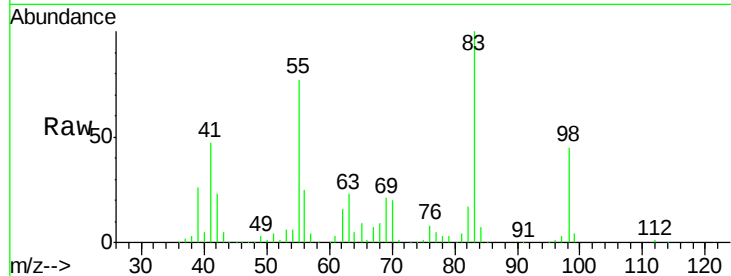
#39
Methvlcvclohexane
Concen: 50.428 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	139612
Ion Ratio	100	Lower	Upper
83	100		
55	76.8	62.4	93.6
98	45.4	36.2	54.2

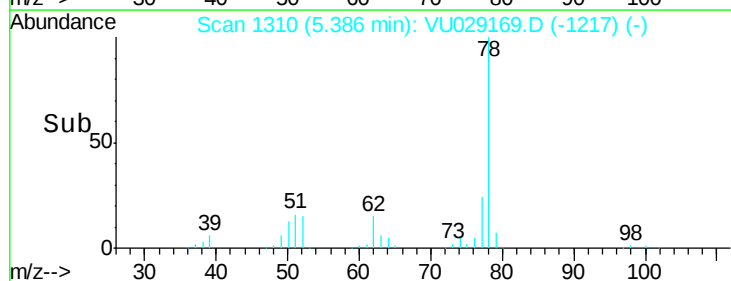
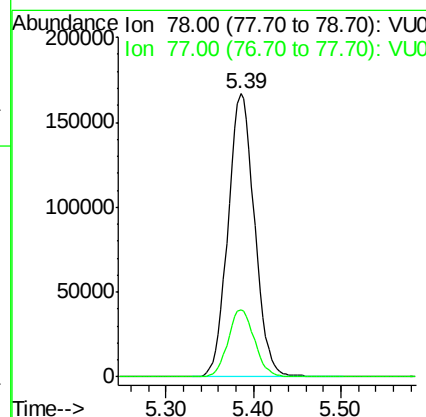
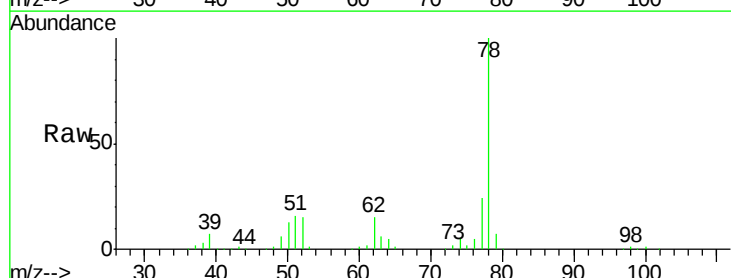
Manual Integrations
APPROVED

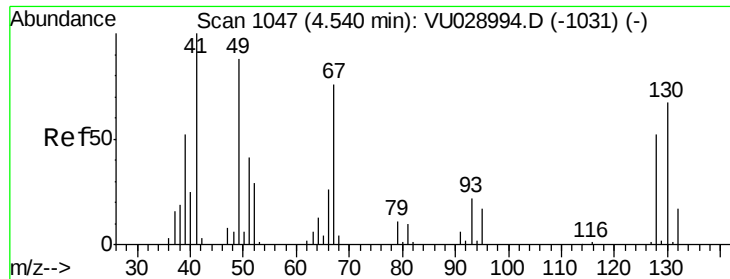
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1/15/2019 11:29:50 AM



#40
Benzene
Concen: 50.002 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion	78	Resp	351244
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.9	28.3





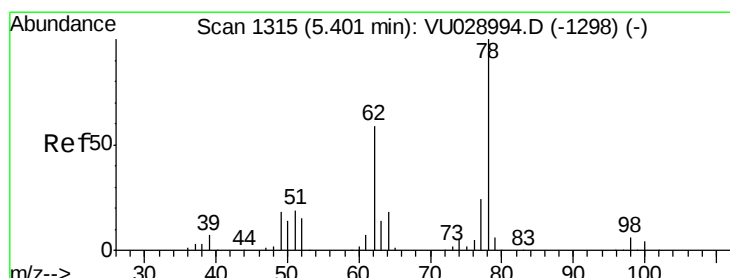
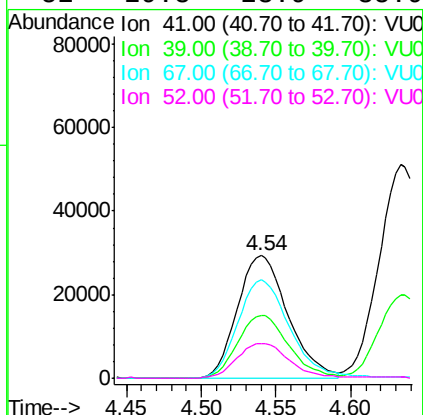
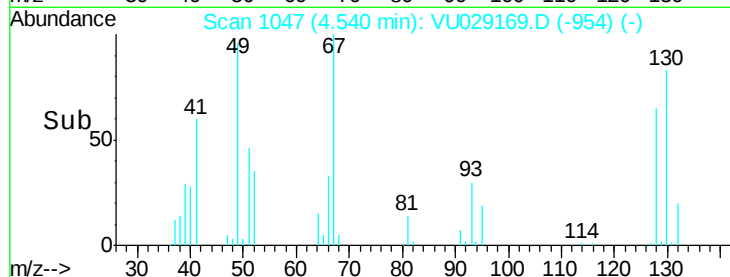
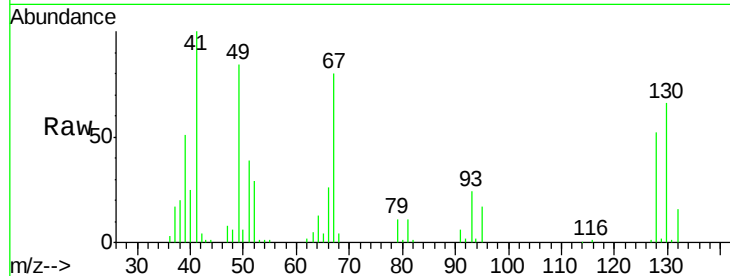
#41
Methacrylonitrile
Concen: 52.238 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.6	42.3	63.5	
67	82.9	64.4	96.6	
52	29.8	23.9	35.9	

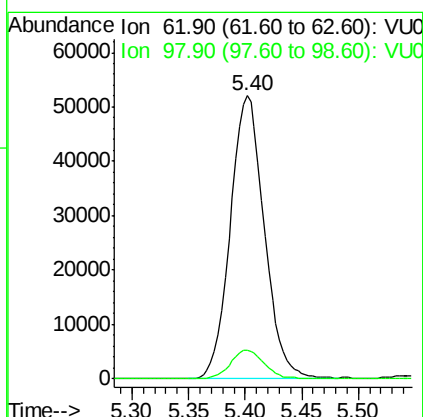
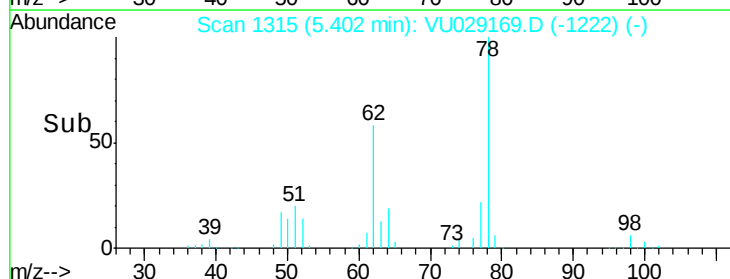
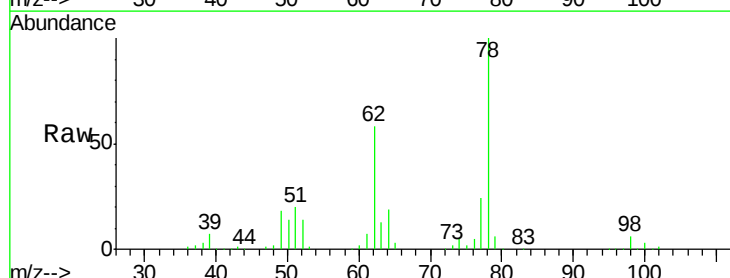
Manual Integrations
APPROVED

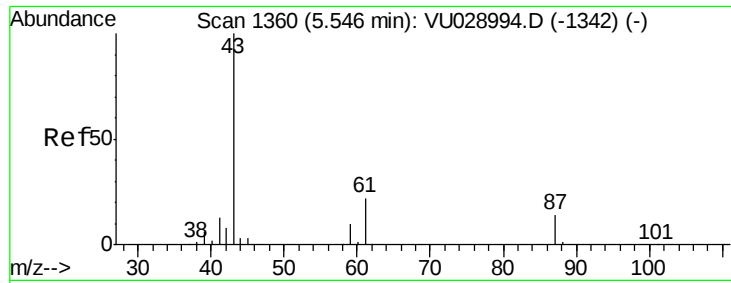
MMDadoda
1/15/2019 11:29:50 AM



#42
1,2-Dichloroethane
Concen: 51.729 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.6	





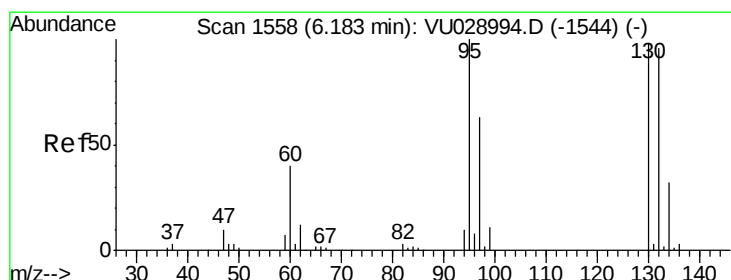
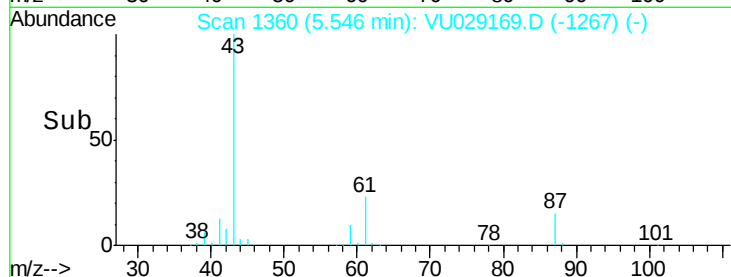
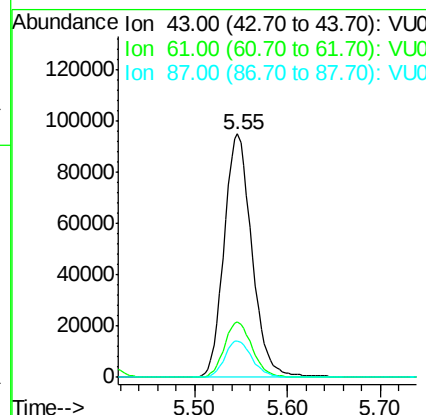
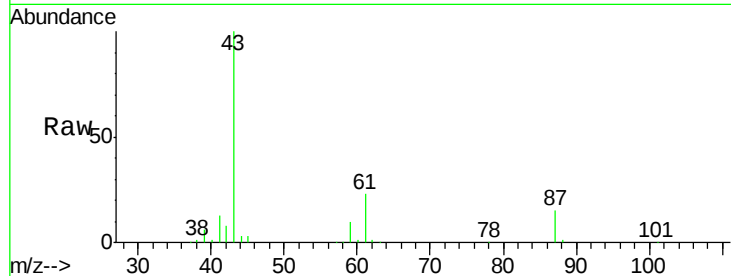
#43
Isopropyl Acetate
Concen: 51.762 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.0	17.8	26.6
87	14.8	11.3	16.9

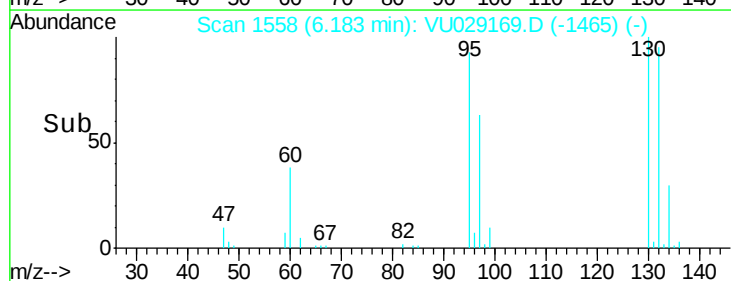
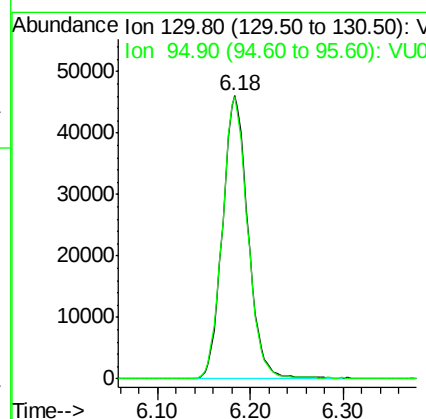
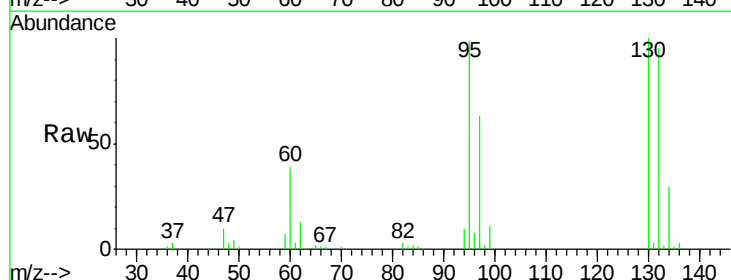
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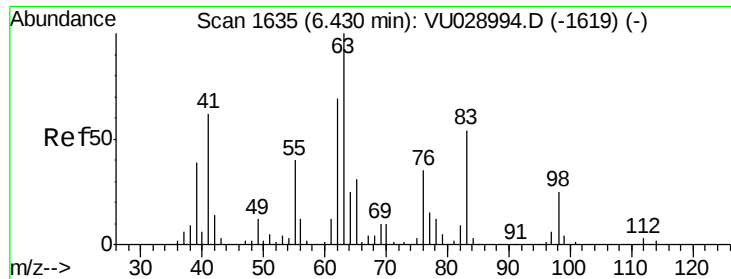
MMDadoda
1/15/2019 11:29:50 AM



#44
Trichloroethene
Concen: 50.505 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	205.0





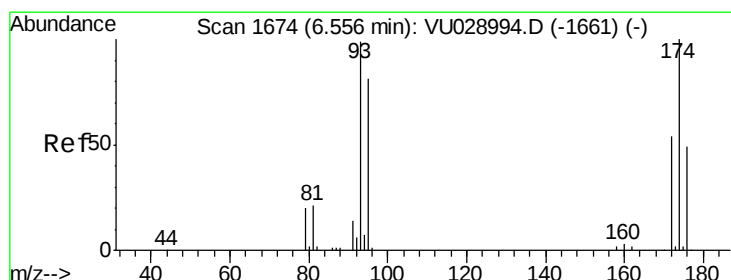
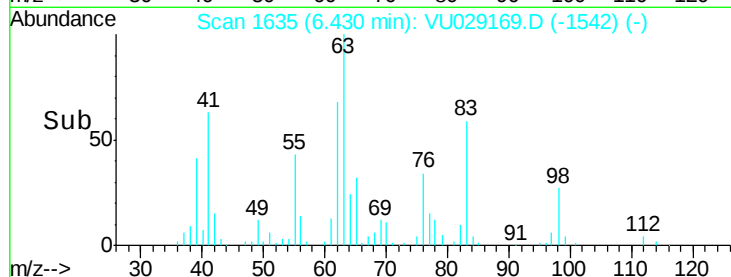
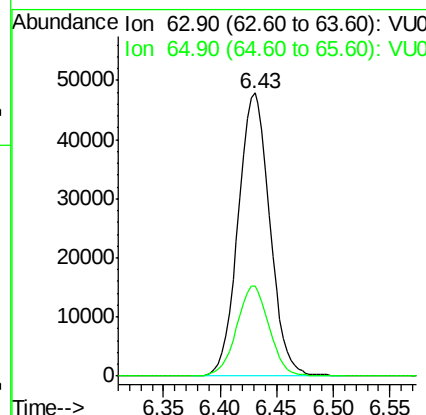
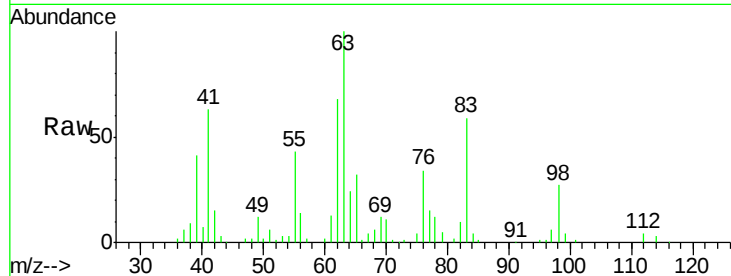
#45
 1,2-Dichloropropane
 Concen: 50.392 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 93481
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.1 37.7

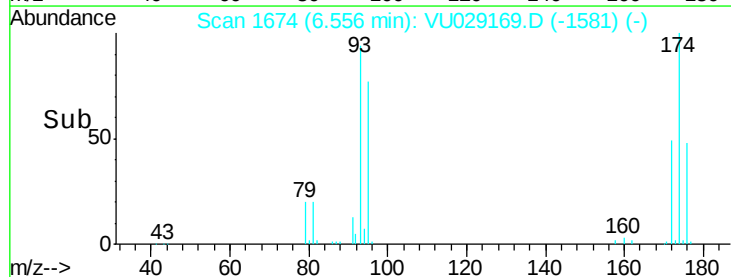
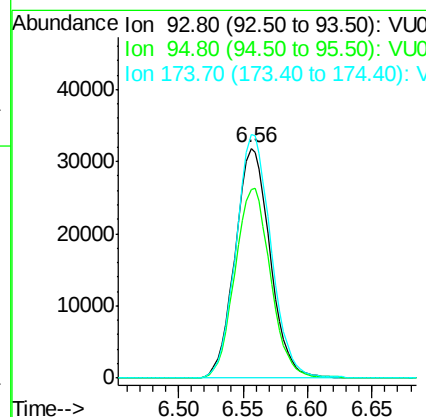
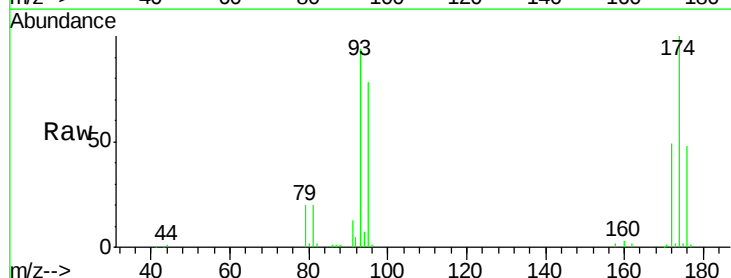
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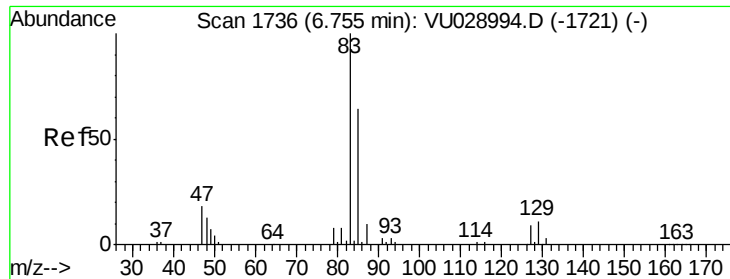
MMDadoda
 1/15/2019 11:29:50 AM



#46
 Dibromomethane
 Concen: 50.731 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Tgt Ion: 93 Resp: 60161
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.2 100.8
 174 105.9 82.6 123.8





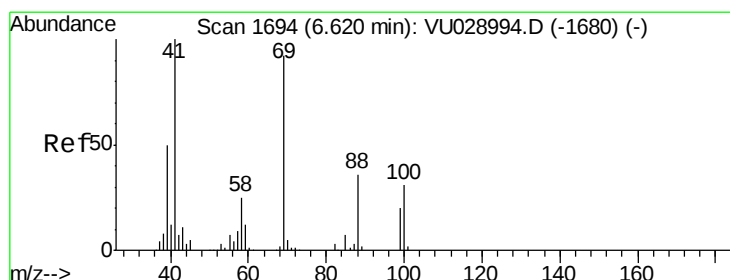
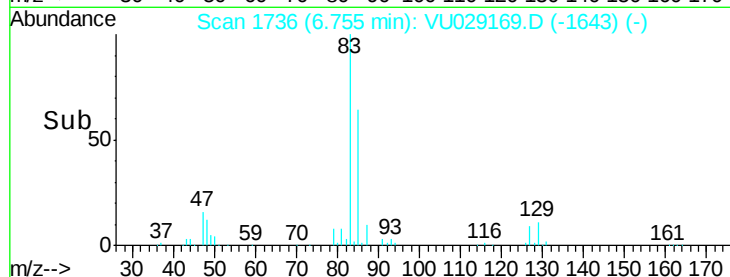
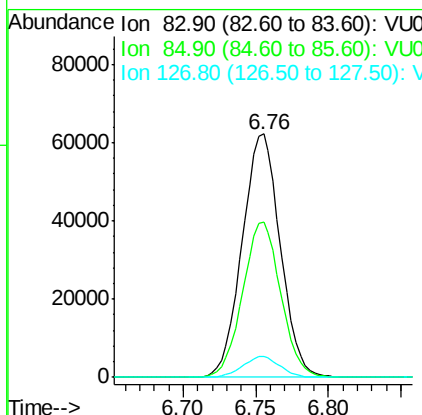
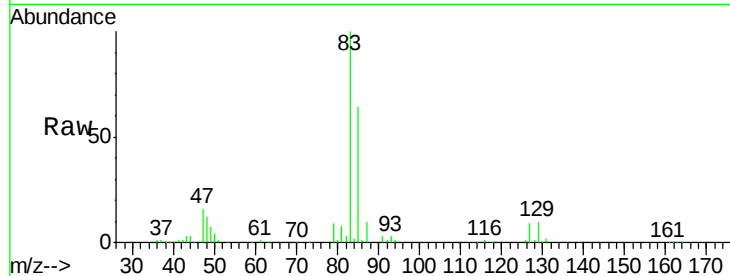
#47
Bromodichloromethane
Concen: 52.073 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.7	51.4	77.2	
127	8.6	7.0	10.4	

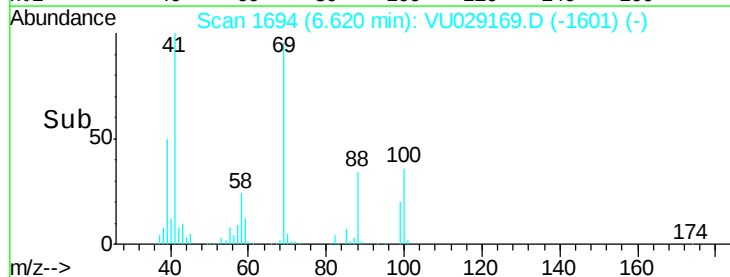
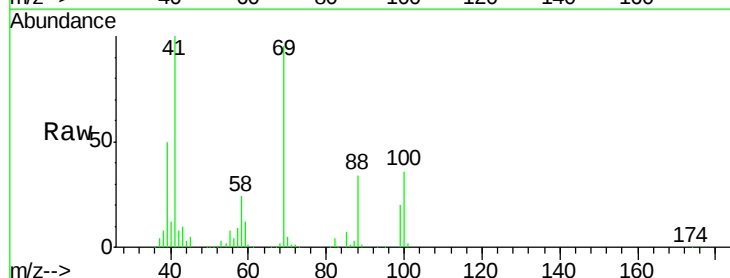
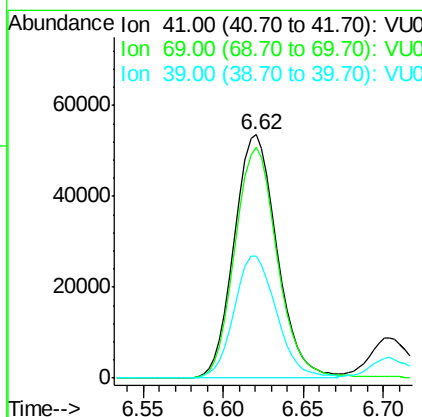
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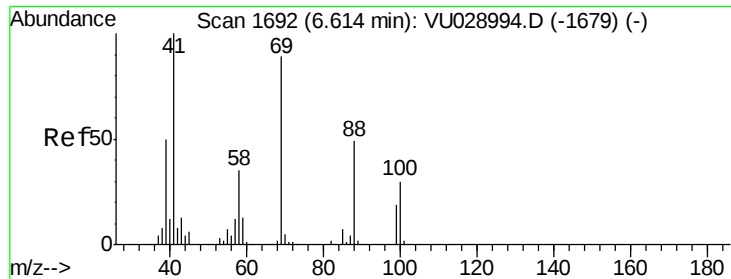
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#48
Methyl methacrylate
Concen: 53.032 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	94.9	73.6	110.4	
39	49.5	39.6	59.4	





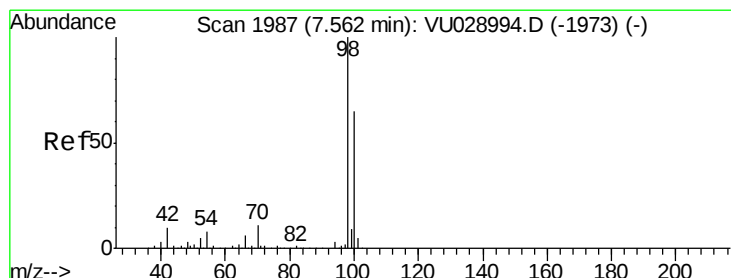
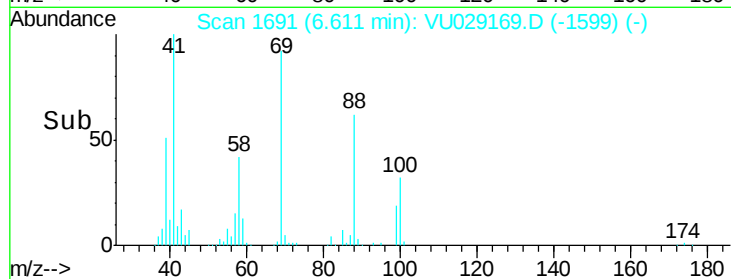
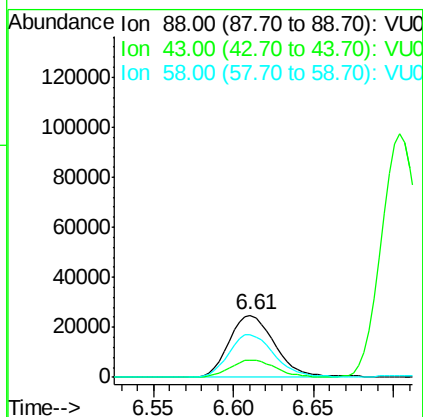
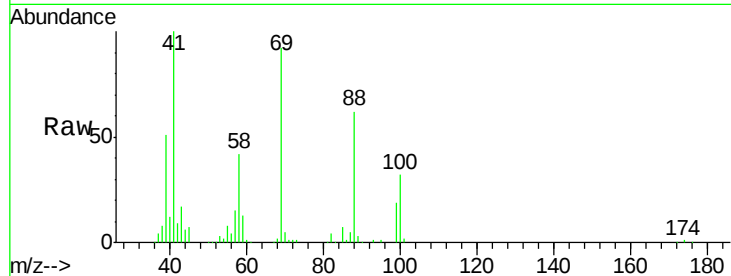
#49
1,4-Dioxane
Concen: 1104.421 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.0	23.0	34.4
58	68.7	57.9	86.9

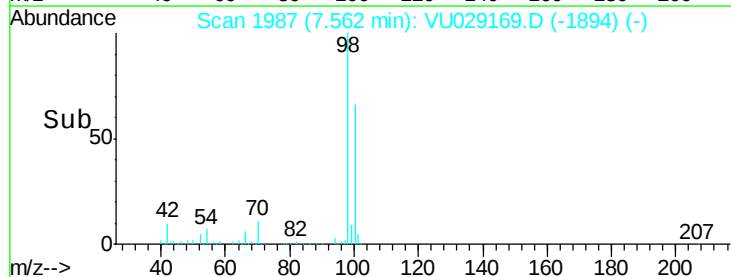
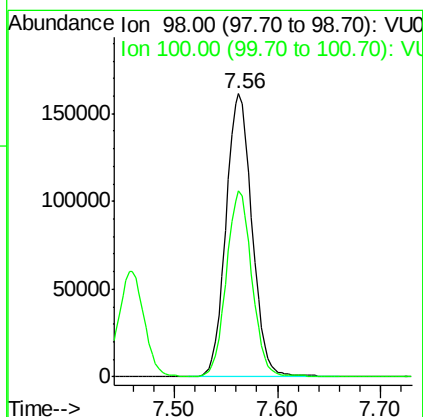
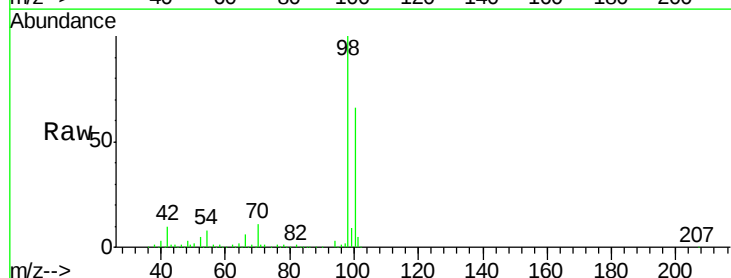
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#50
Toluene-d8
Concen: 49.424 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 256.784 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 662669

Ion Ratio Lower Upper

43 100

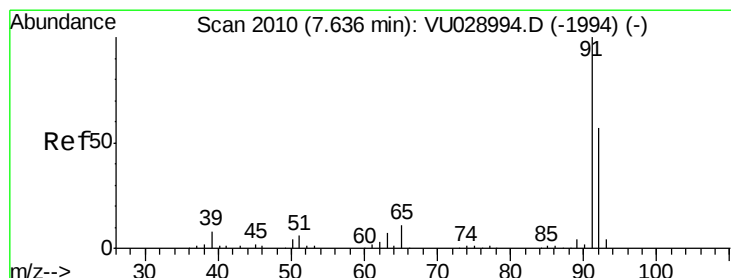
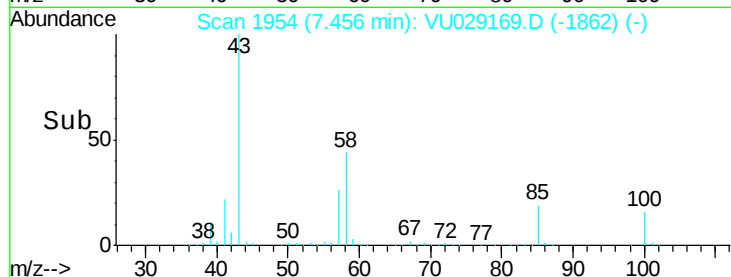
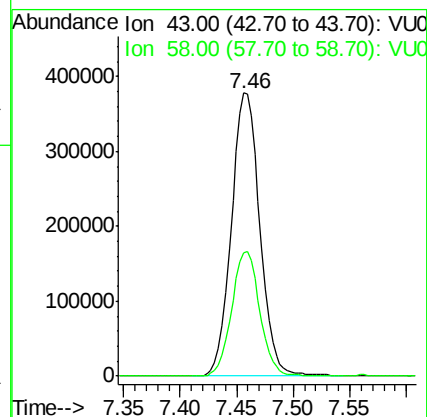
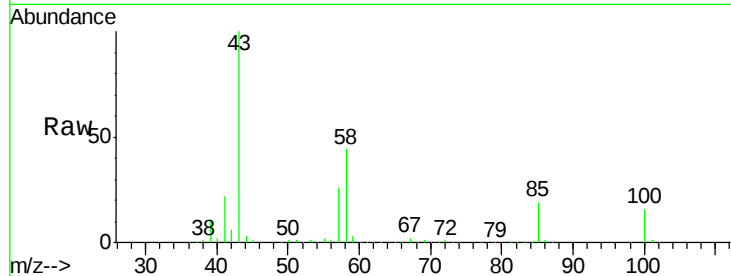
58 43.5 33.9 50.9

Manual Integrations

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#52

Toluene

Concen: 51.383 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029169.D

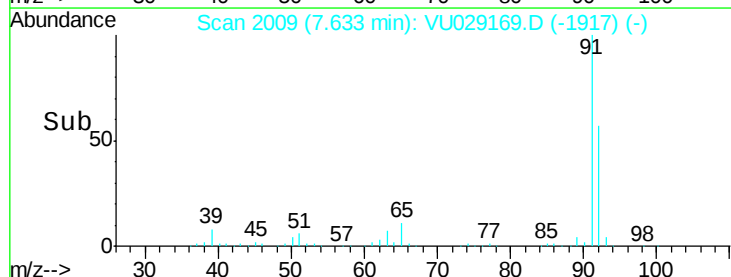
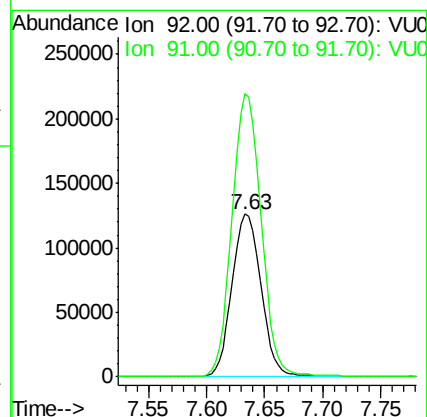
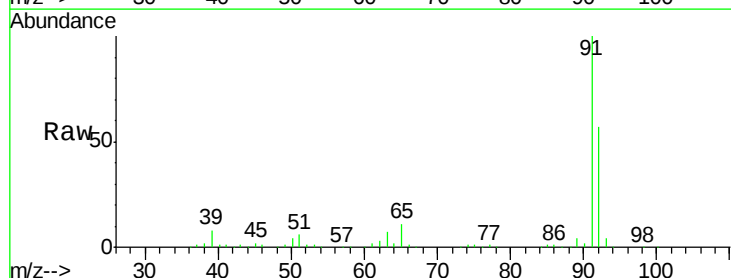
Acq: 14 Jan 2019 17:10

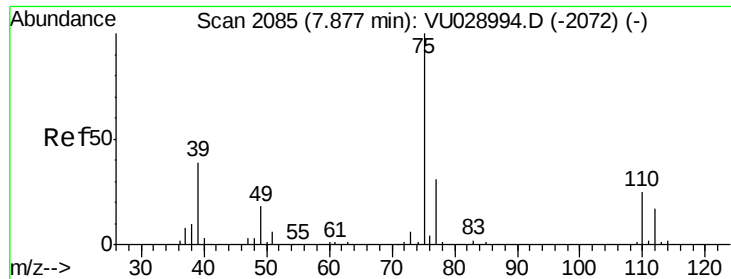
Tgt Ion: 92 Resp: 219733

Ion Ratio Lower Upper

92 100

91 175.2 139.8 209.8





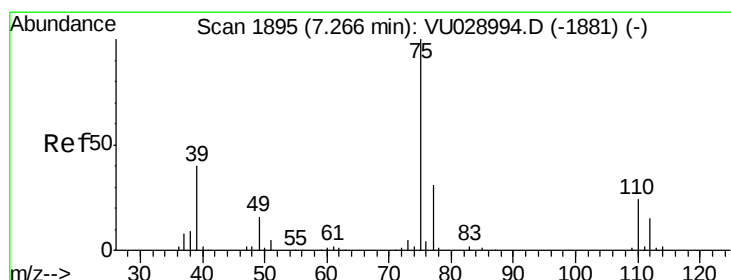
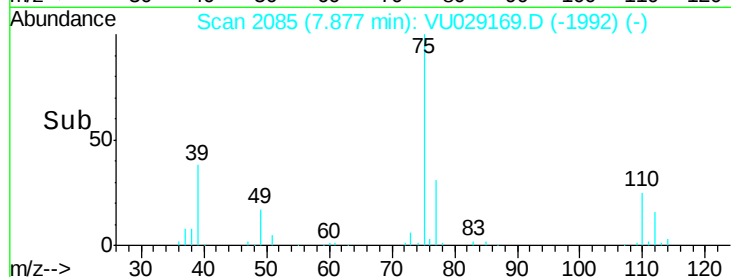
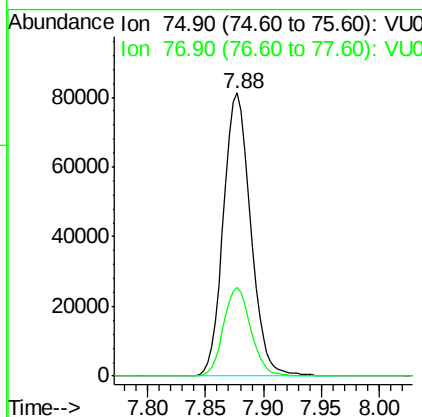
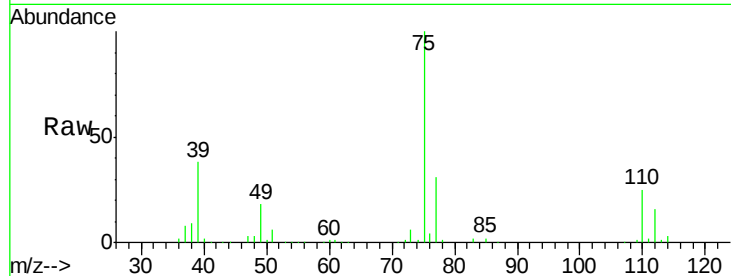
#53
t-1,3-Dichloropropene
Concen: 50.523 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 132513
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.4

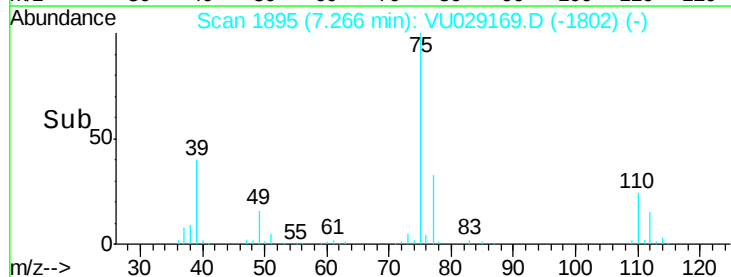
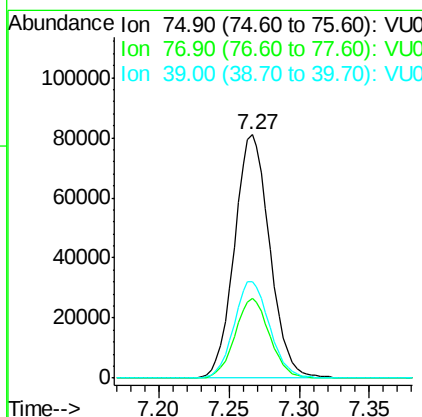
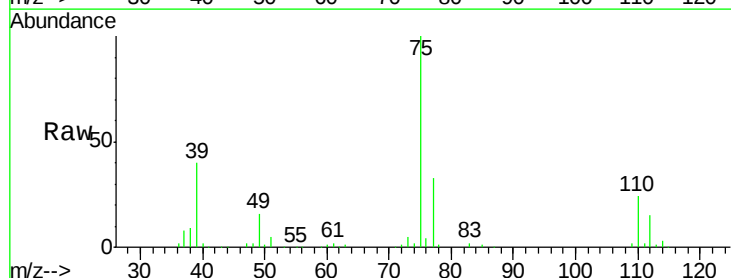
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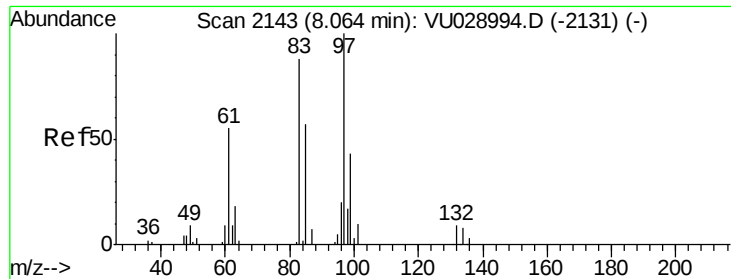
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#54
cis-1,3-Dichloropropene
Concen: 50.196 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion: 75 Resp: 142262
Ion Ratio Lower Upper
75 100
77 32.5 25.0 37.6
39 39.8 32.2 48.4





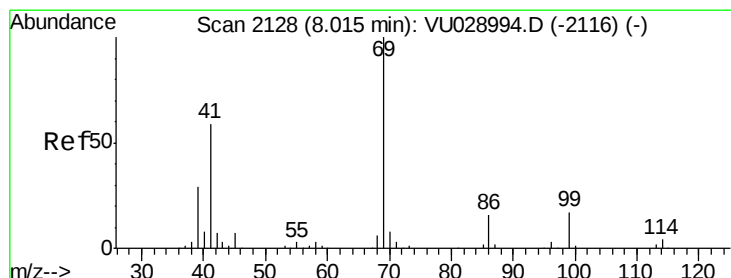
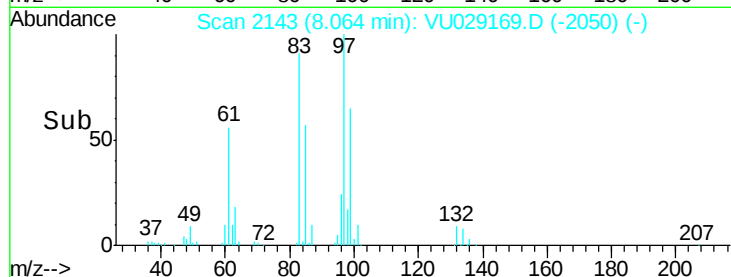
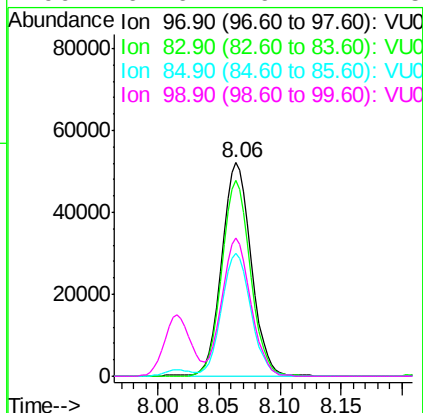
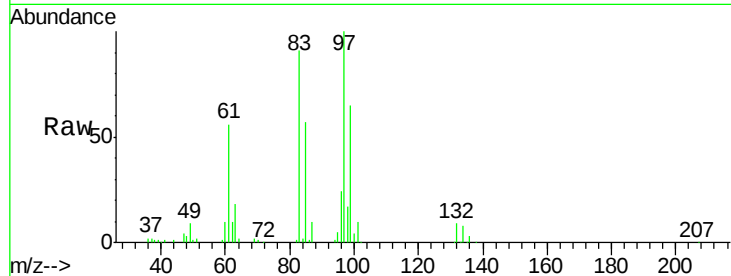
#55
 1,1,2-Trichloroethane
 Concen: 51.682 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	88541
Ion	Ratio	Lower	Upper
97	100		
83	91.4	69.8	104.8
85	57.3	47.3	70.9
99	64.6	49.7	74.5

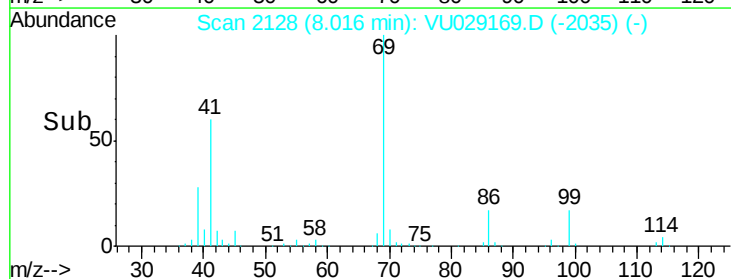
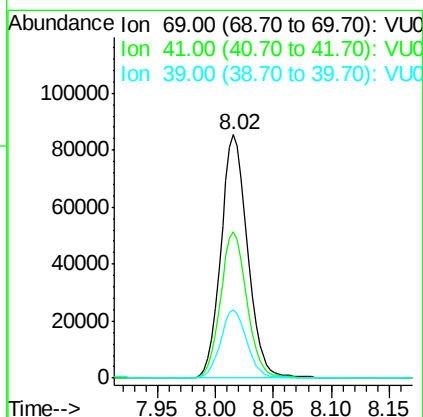
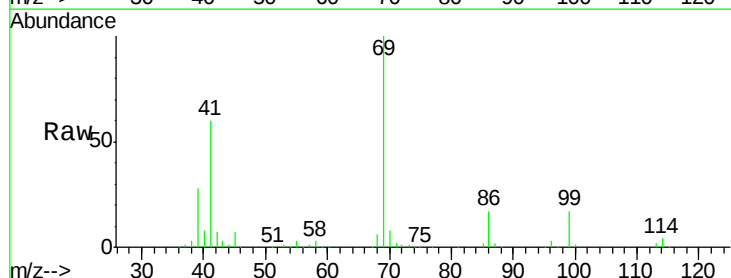
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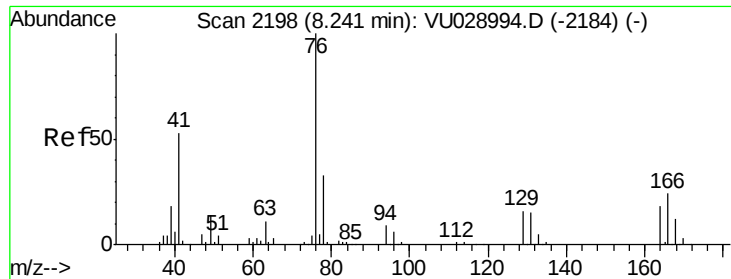
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#56
 Ethyl methacrylate
 Concen: 51.856 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Tgt Ion:	69	Resp:	136867
Ion	Ratio	Lower	Upper
69	100		
41	59.6	47.5	71.3
39	28.0	22.5	33.7





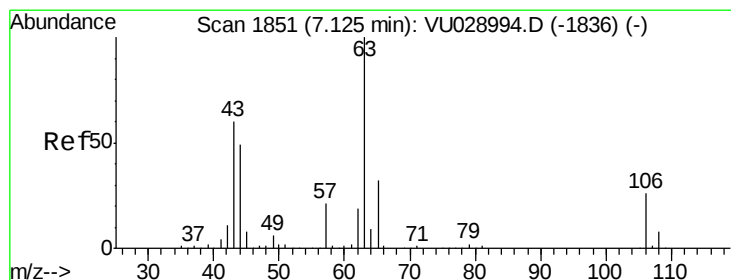
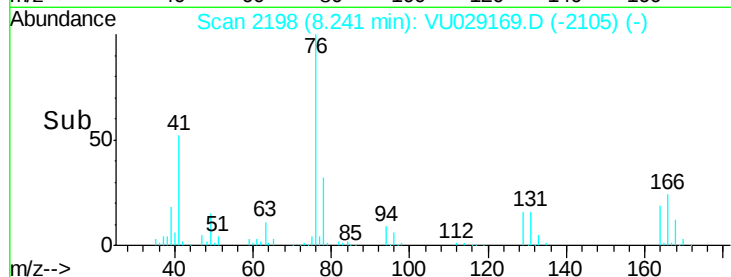
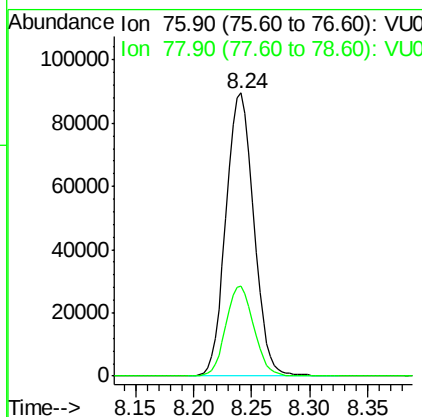
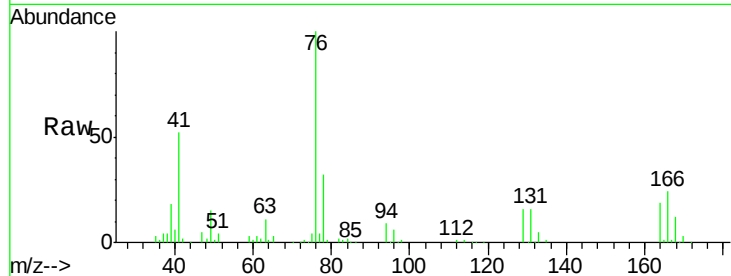
#57
 1,3-Dichloropropane
 Concen: 50.872 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	76	Resp	149129
Ion Ratio	Lower	Upper	
76	100		
78	31.6	26.0	39.0

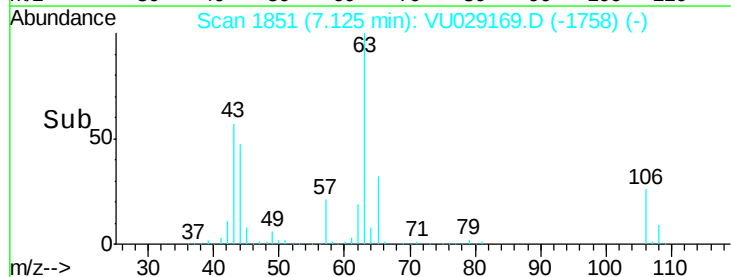
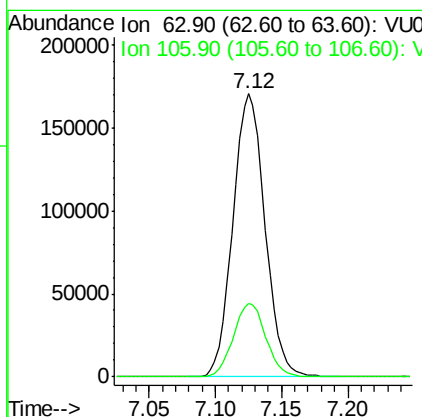
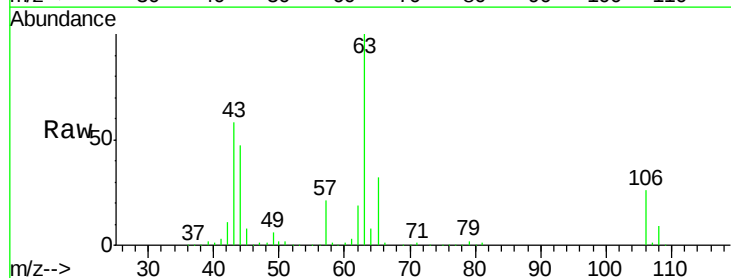
Manual Integrations
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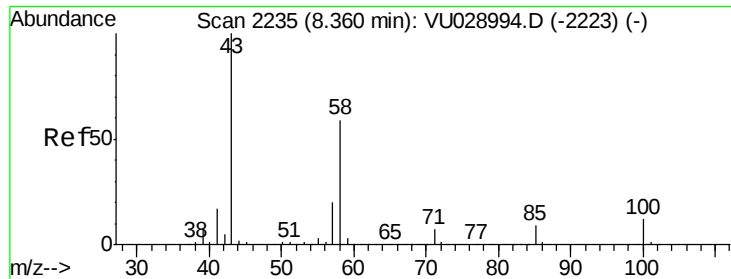
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 1/15/2019 11:29:50 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.770 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Tgt Ion	63	Resp	286436
Ion Ratio	Lower	Upper	
63	100		
106	26.3	20.6	31.0





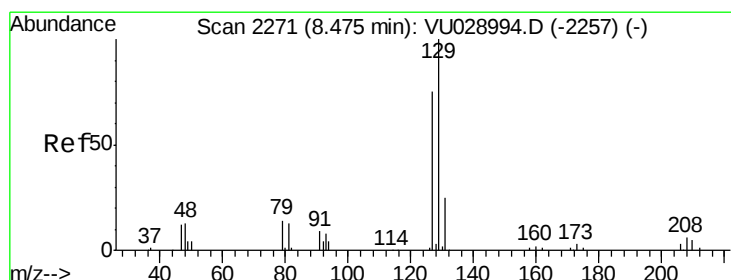
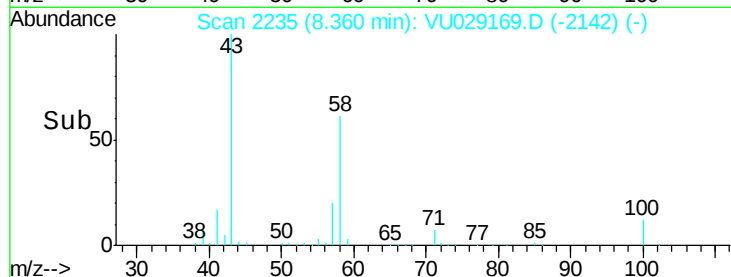
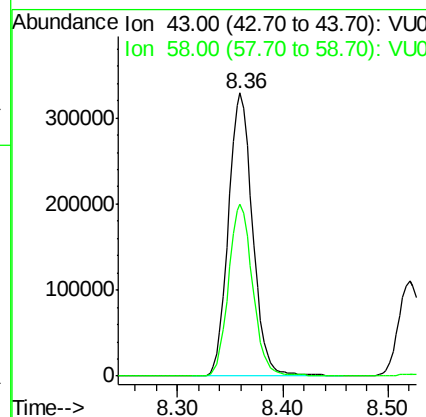
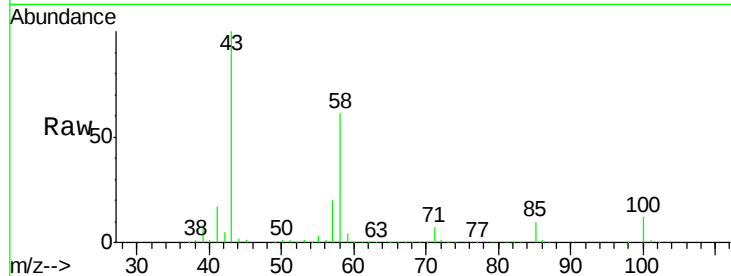
#59
2-Hexanone
Concen: 258.188 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 523016
Ion Ratio Lower Upper
43 100
58 60.7 29.8 89.4

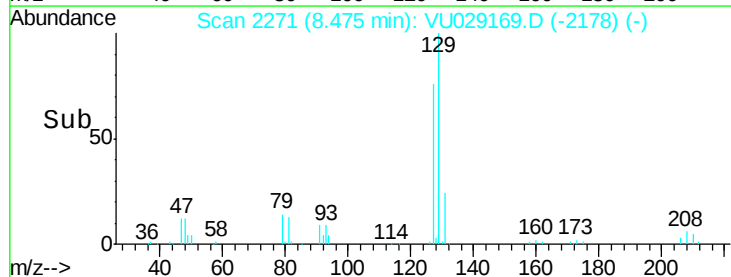
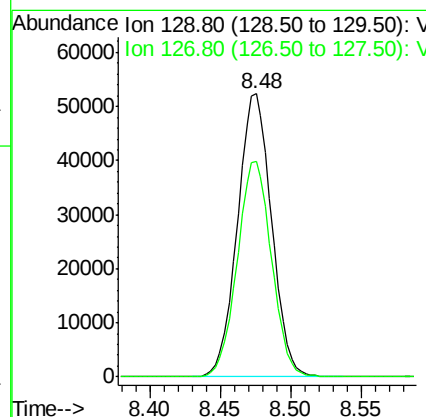
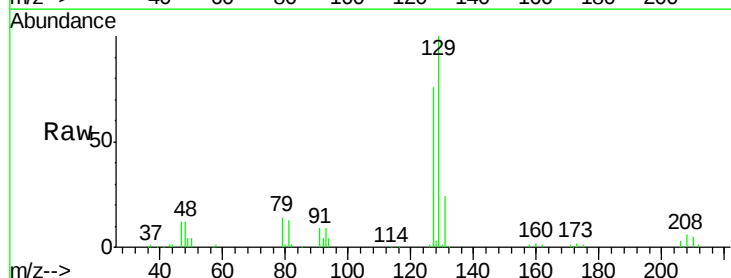
Manual Integrations
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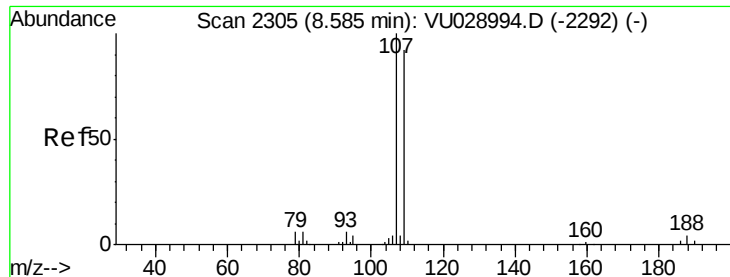
MMDadoda
1/15/2019 11:29:50 AM



#60
Dibromochloromethane
Concen: 52.365 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion: 129 Resp: 88878
Ion Ratio Lower Upper
129 100
127 76.3 38.0 114.0





#61

1,2-Dibromoethane

Concen: 50.999 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 94758

Ion Ratio Lower Upper

107 100

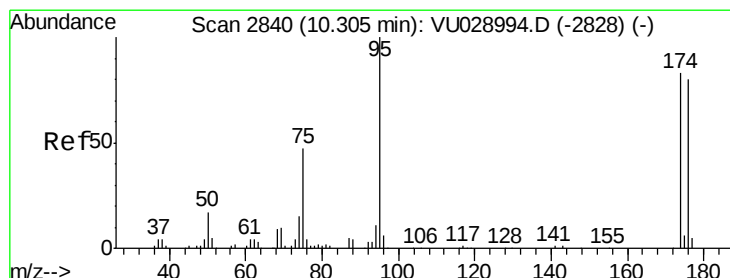
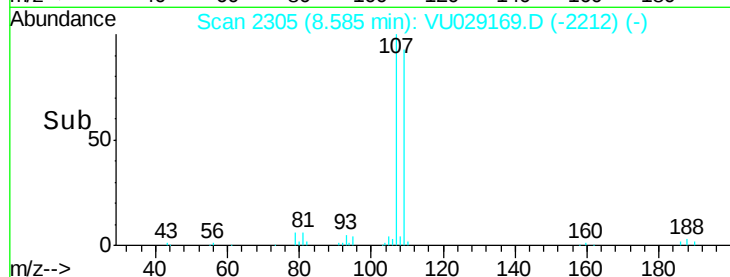
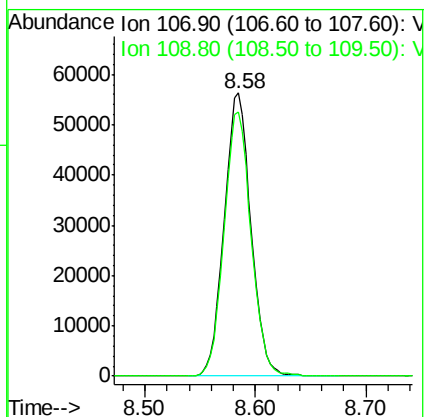
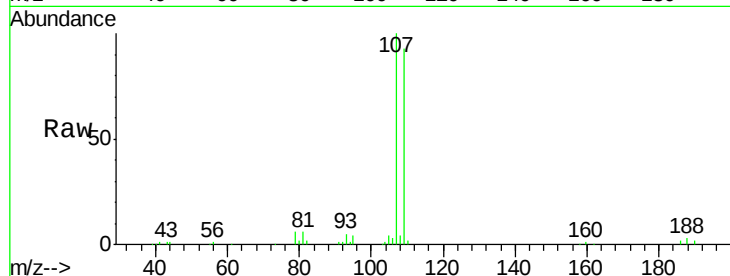
109 94.5 75.5 113.3

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 49.687 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

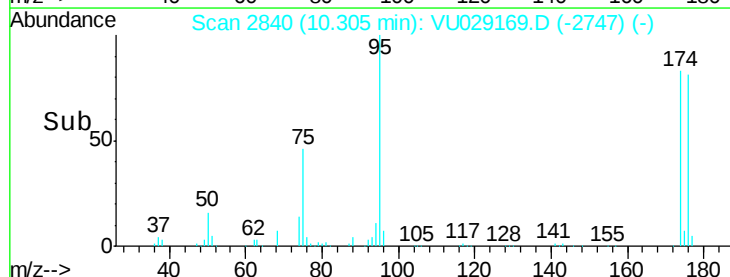
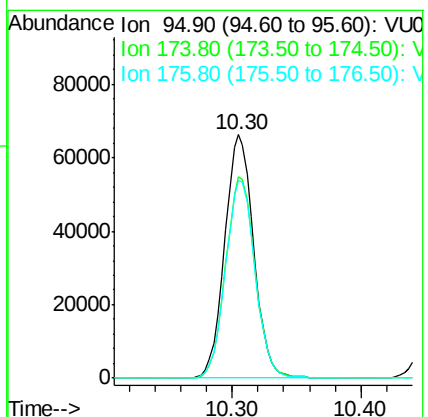
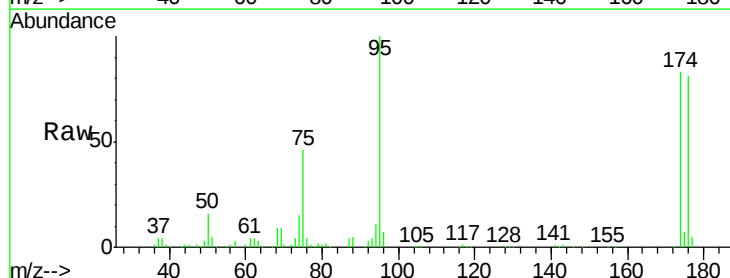
Tgt Ion: 95 Resp: 102958

Ion Ratio Lower Upper

95 100

174 84.3 0.0 170.6

176 83.1 0.0 165.0





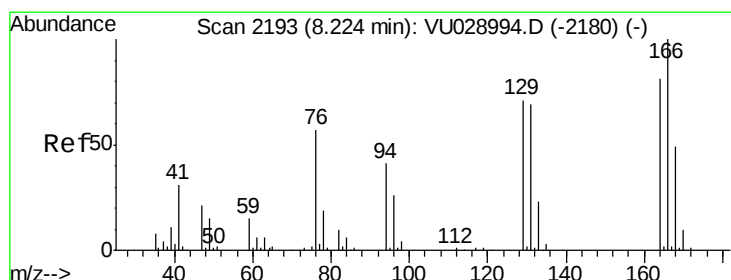
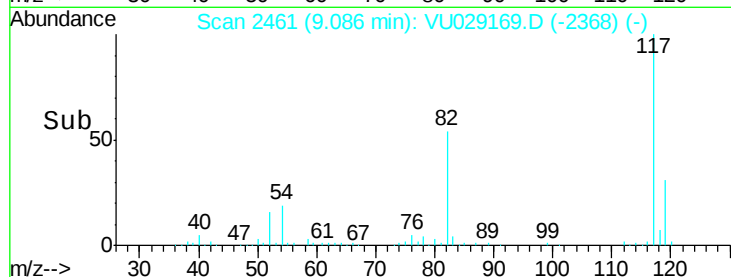
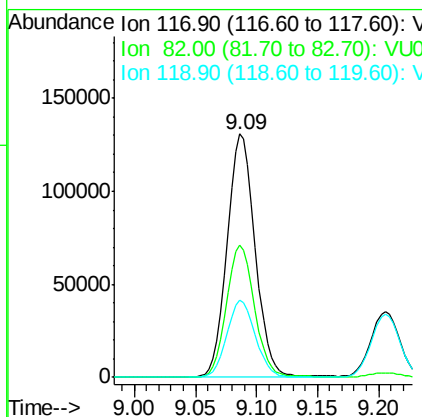
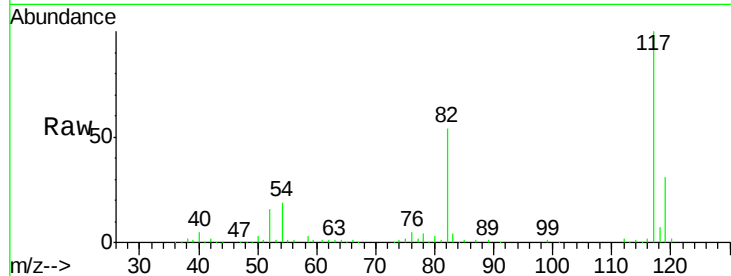
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	211237		
82	54.4	43.9	65.9	
119	31.5	26.0	39.0	

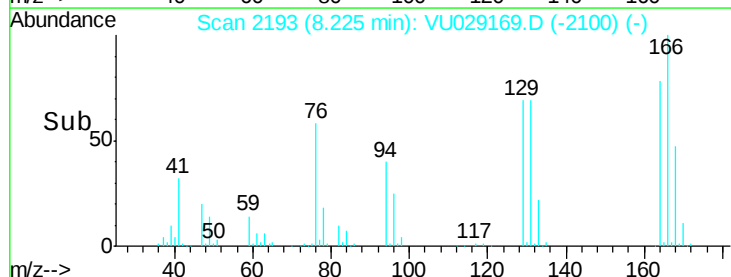
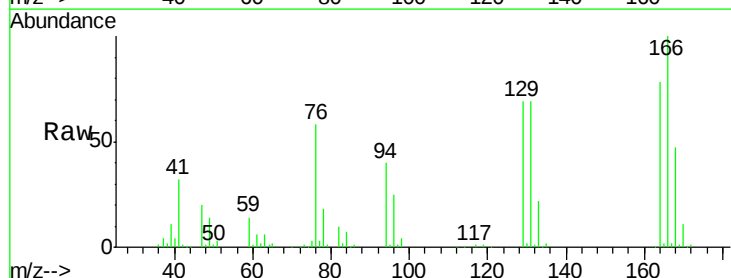
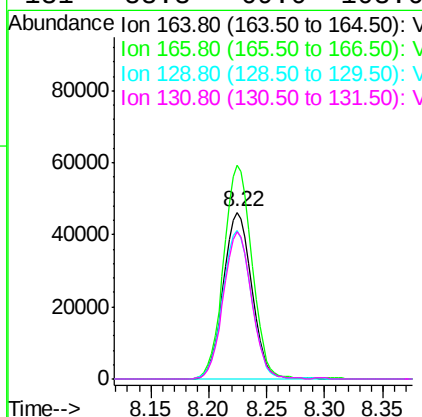
Manual Integrations
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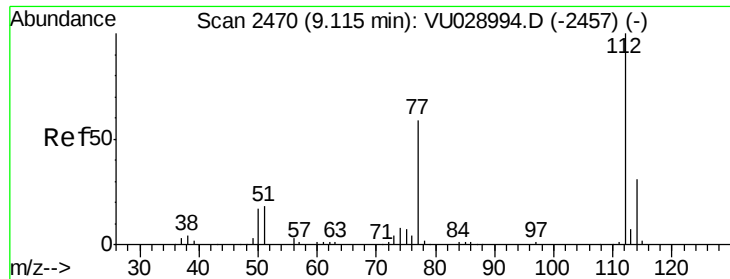
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#64
Tetrachloroethene
Concen: 51.427 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	78254		
166	128.3	99.4	149.0	
129	89.0	70.5	105.7	
131	88.3	69.0	103.6	





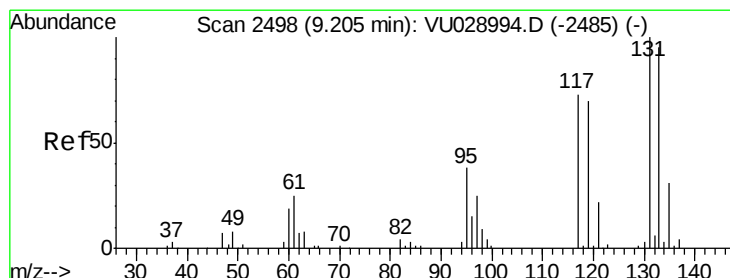
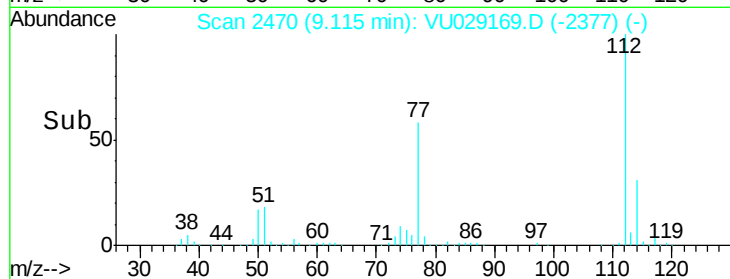
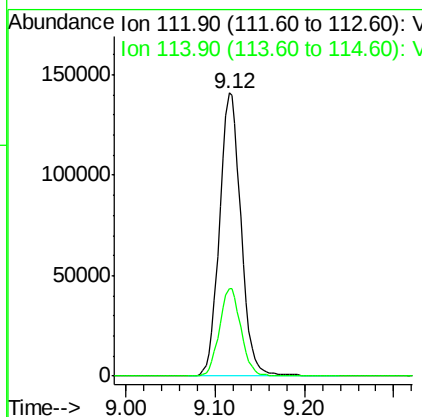
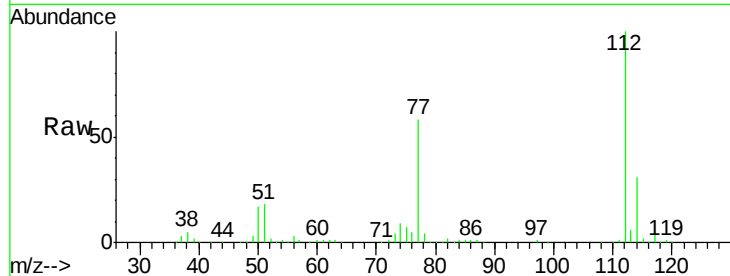
#65
Chlorobenzene
Concen: 49.637 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 235031
Ion Ratio Lower Upper
112 100
114 30.9 25.0 37.6

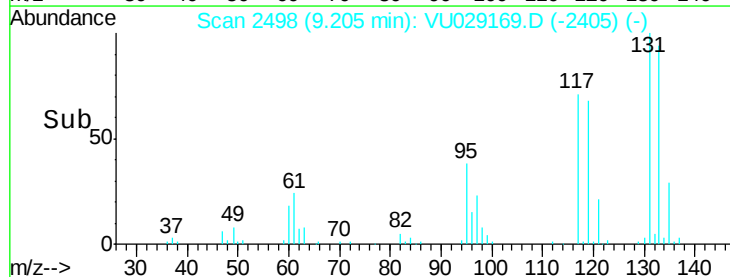
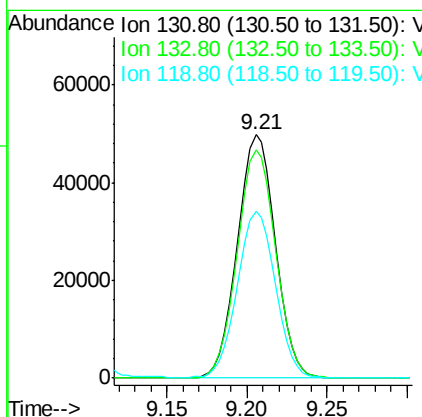
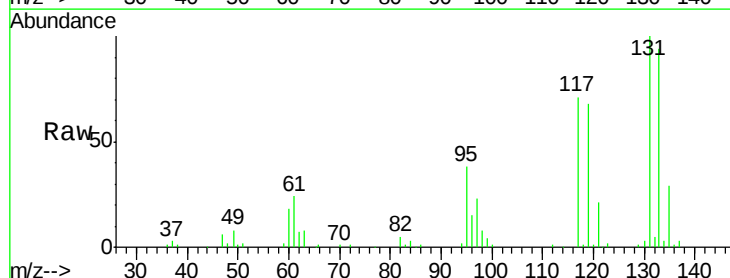
Manual Integrations
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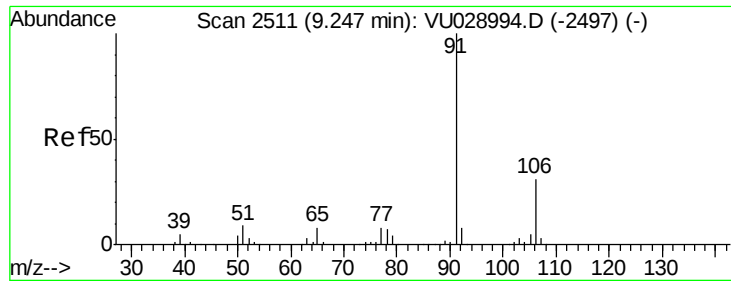
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.364 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion:131 Resp: 80462
Ion Ratio Lower Upper
131 100
133 95.2 48.2 144.6
119 69.1 35.4 106.3





#67

Ethyl Benzene

Concen: 51.572 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 407688

Ion Ratio Lower Upper

91 100

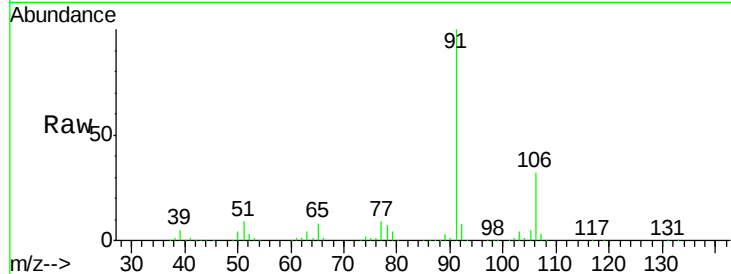
106 31.8 25.0 37.4

Manual Integrations

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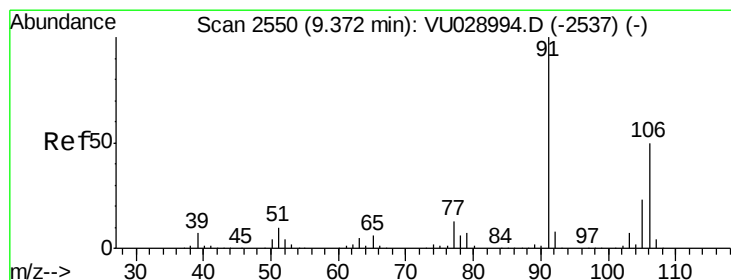
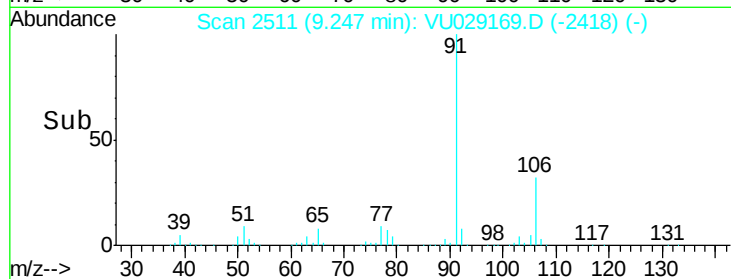
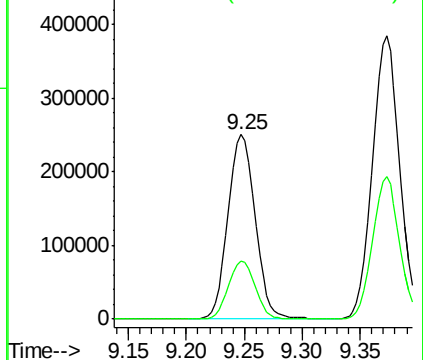
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Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 103.250 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029169.D

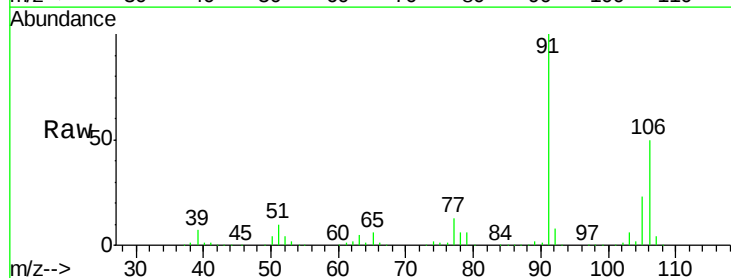
Acq: 14 Jan 2019 17:10

Tgt Ion: 106 Resp: 317141

Ion Ratio Lower Upper

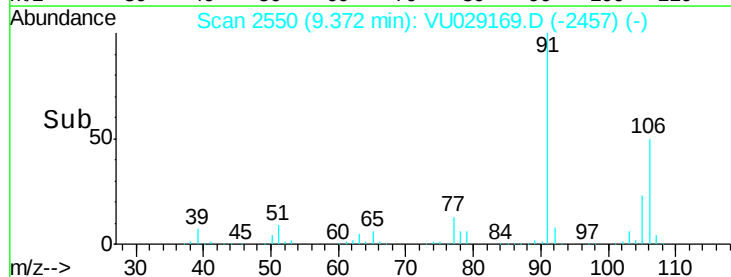
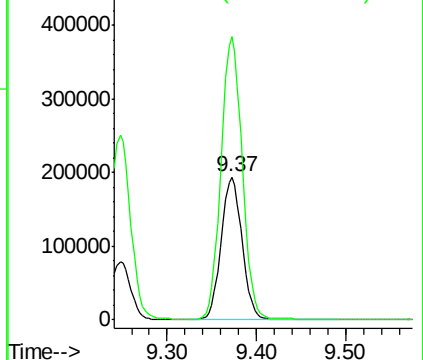
106 100

91 200.1 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





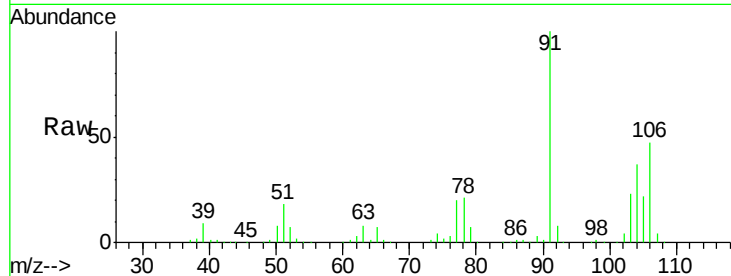
#69
o-Xylene
Concen: 51.652 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

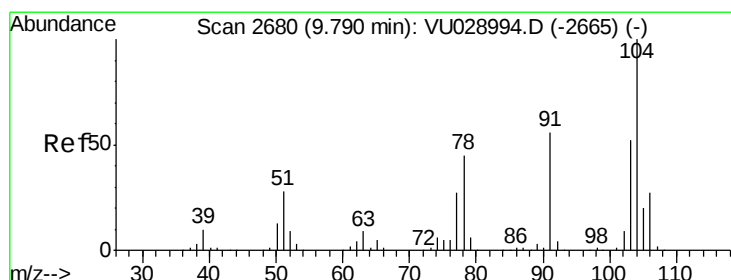
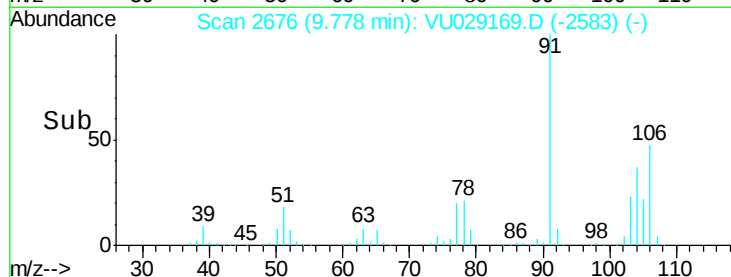
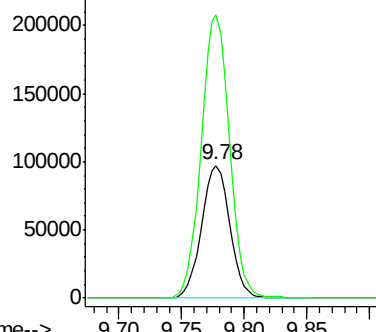
Tot Ion:106 Resp: 152867
Ion Ratio Lower Upper
106 100
91 212.9 106.1 318.3

Manual Integrations
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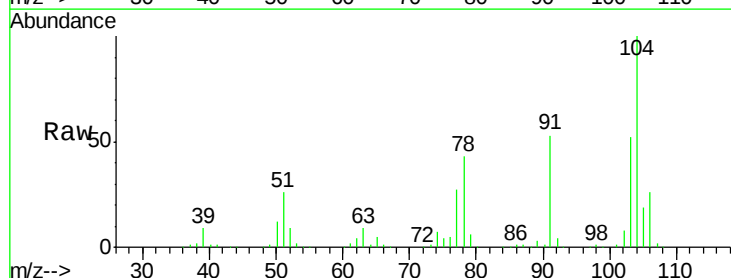


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

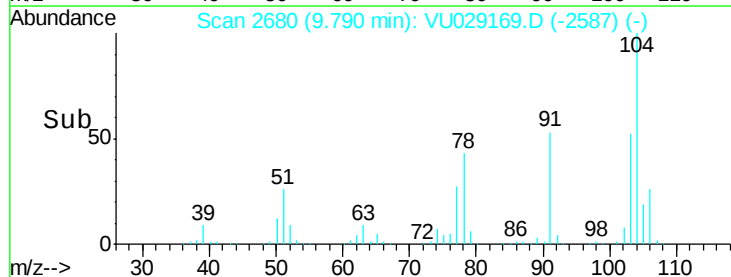
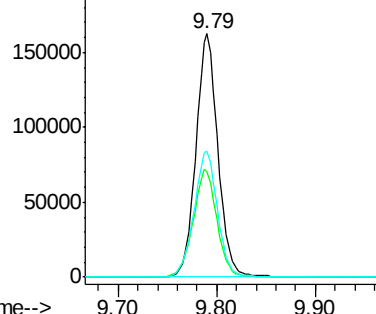


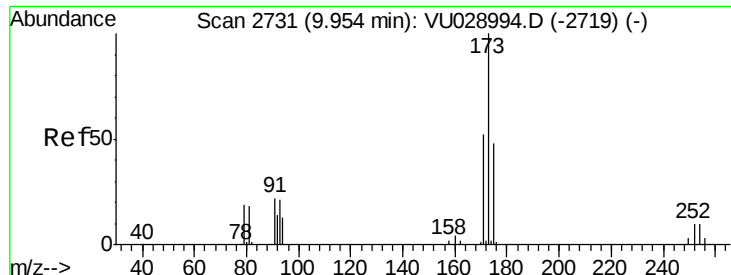
#70
Styrene
Concen: 52.451 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion:104 Resp: 254478
Ion Ratio Lower Upper
104 100
78 48.0 38.6 58.0
103 55.5 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





#71

Bromoform

Concen: 51.873 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 70973

Ion Ratio Lower Upper

173 100

175 48.5 23.8 71.2

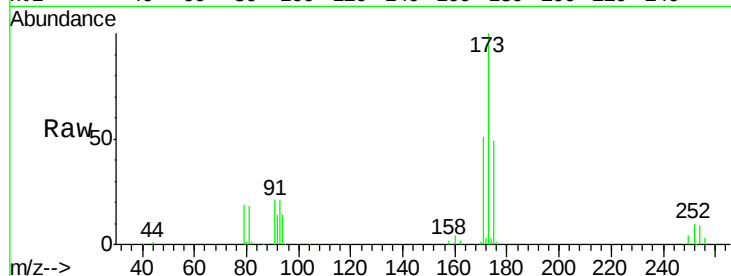
254 0.1 0.0 0.0#

Manual Integrations

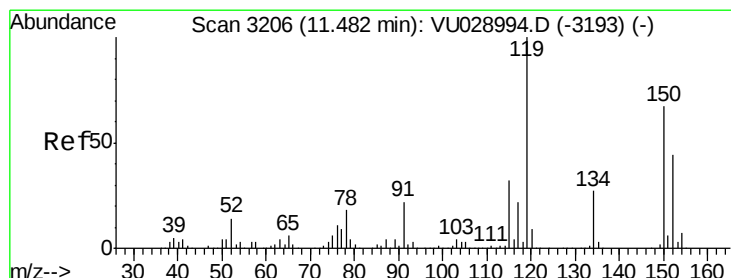
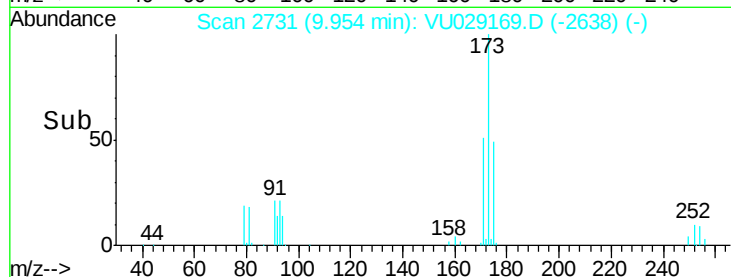
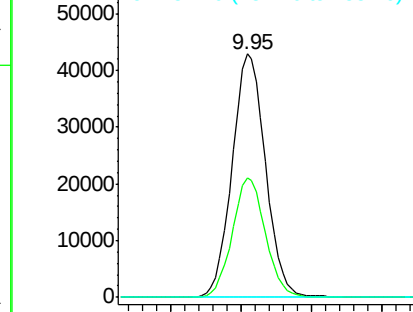
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

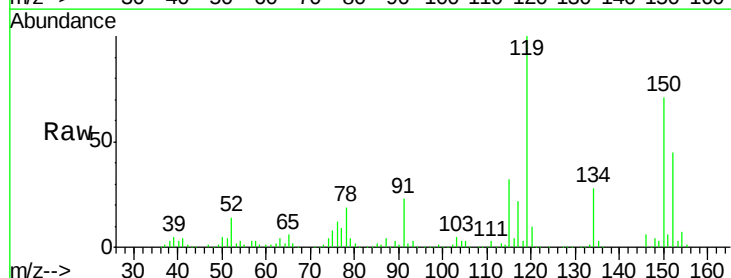
Tgt Ion:152 Resp: 107929

Ion Ratio Lower Upper

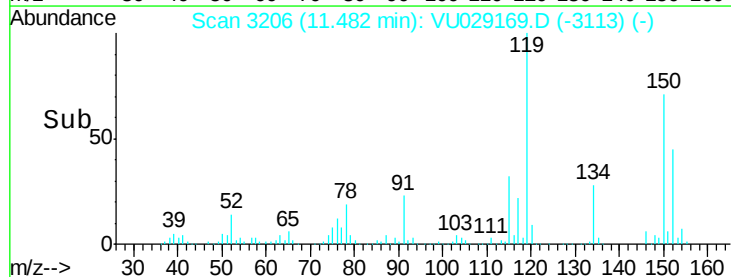
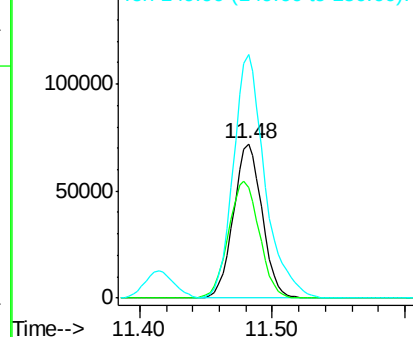
152 100

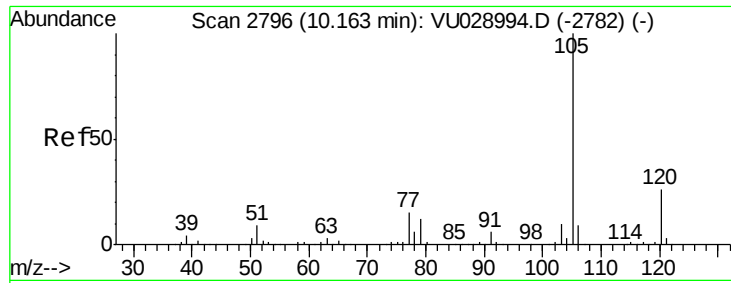
115 81.9 40.1 120.3

150 174.2 0.0 345.2



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





#73

Isopropylbenzene

Concen: 50.723 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 405207

Ion Ratio Lower Upper

105 100

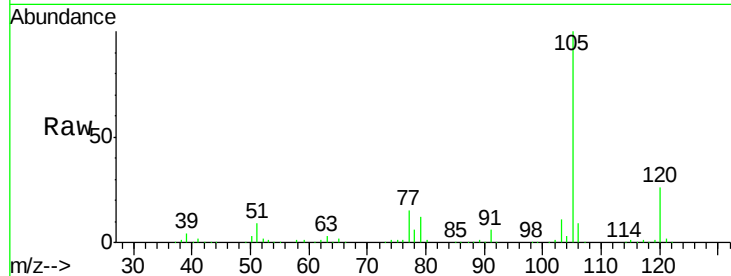
120 26.6 13.2 39.5

Manual Integrations

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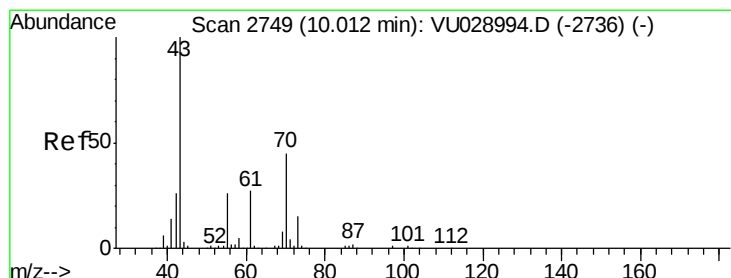
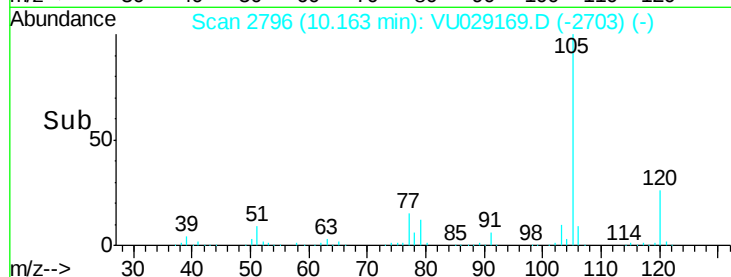
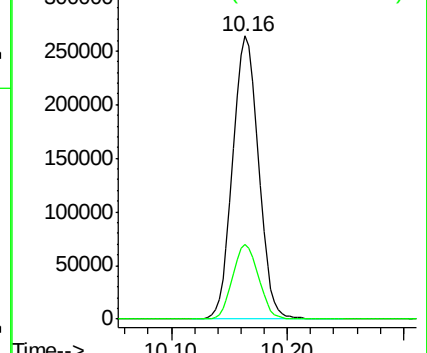
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.138 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Tgt Ion: 43 Resp: 169153

Ion Ratio Lower Upper

43 100

70 46.7 36.3 54.5

55 26.3 20.5 30.7

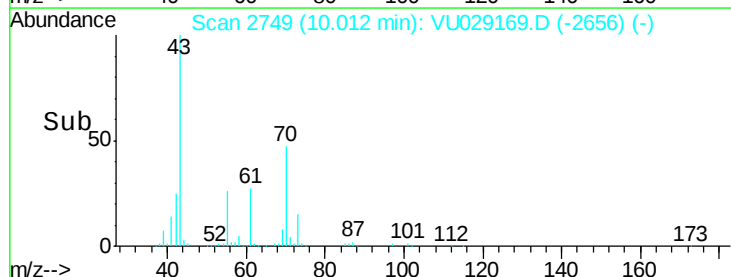
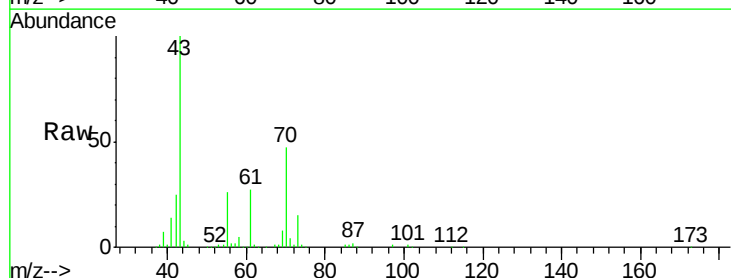
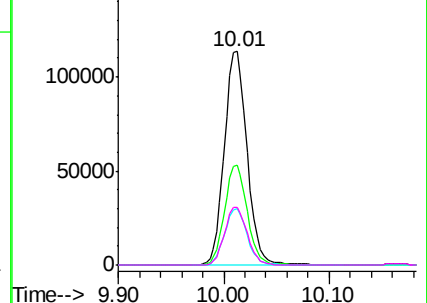
61 27.0 21.8 32.8

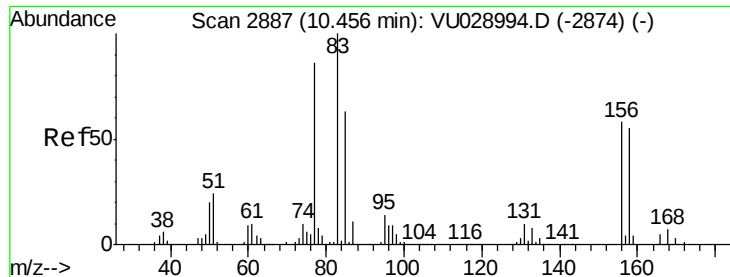
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.488 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

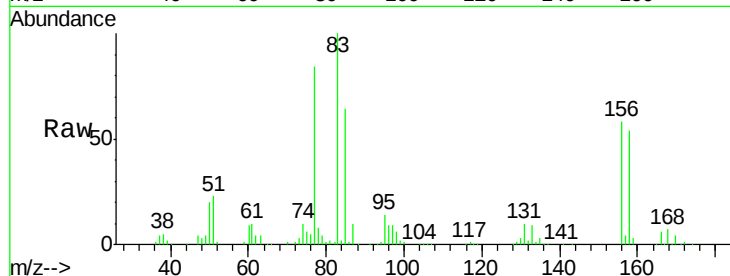
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	155245
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.7	14.1
85	64.3	32.0	96.2

Manual Integrations
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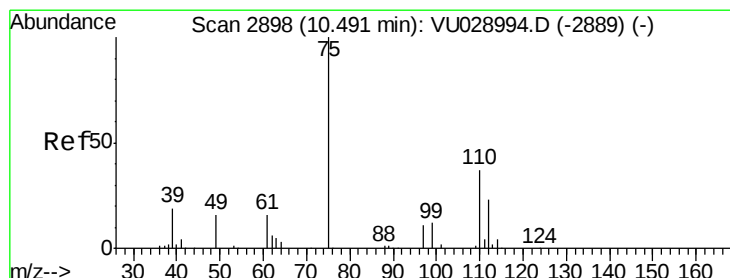
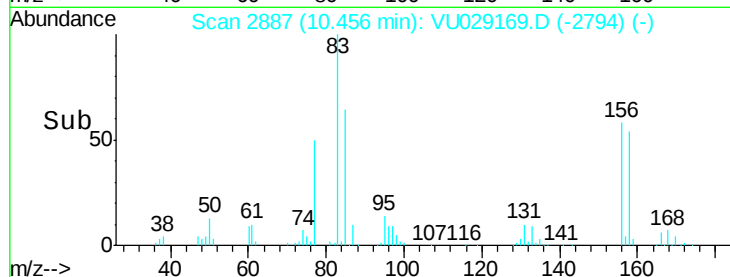
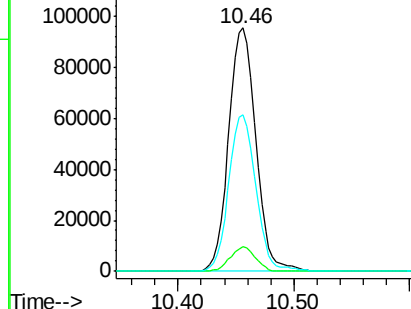
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VU029169.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU029169.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU029169.D (-2794) (-)



#76

1,2,3-Trichloropropane

Concen: 49.924 ug/l m

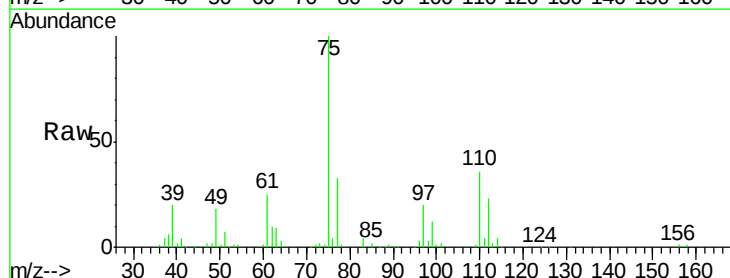
RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029169.D

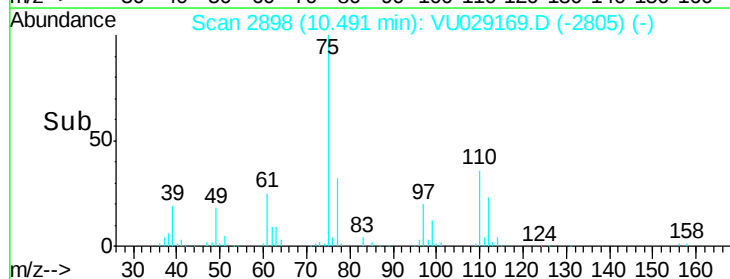
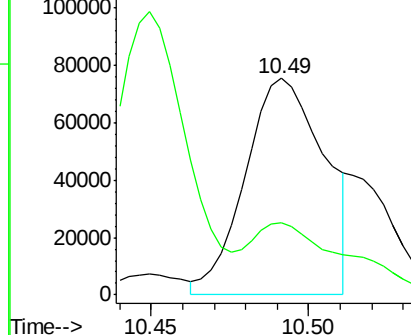
Acq: 14 Jan 2019 17:10

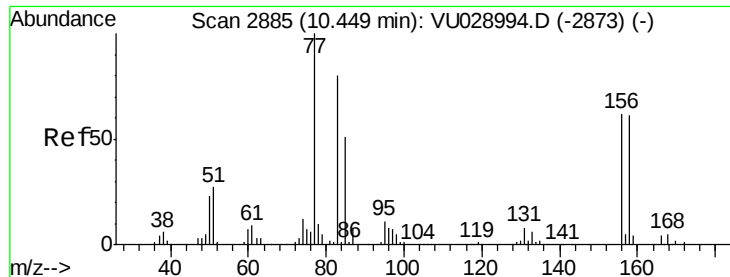
Tgt Ion:	75	Resp:	132021
Ion Ratio	Lower	Upper	
75	100		
77	41.9	20.9	62.8



Abundance Ion 74.90 (74.60 to 75.60): VU029169.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU029169.D (-2805) (-)





#77

Bromobenzene

Concen: 49.484 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 103018

Ion Ratio Lower Upper

156 100

77 154.5 79.0 237.2

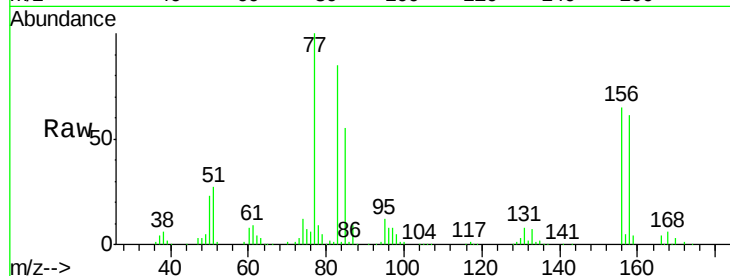
158 96.0 48.9 146.6

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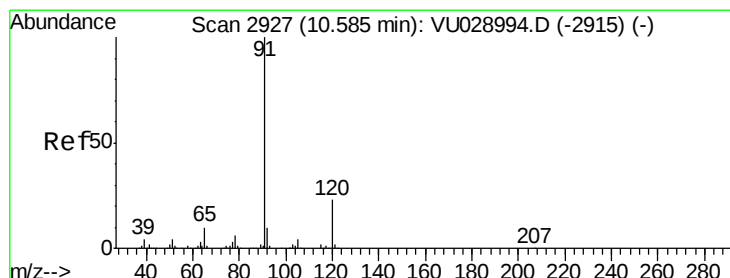
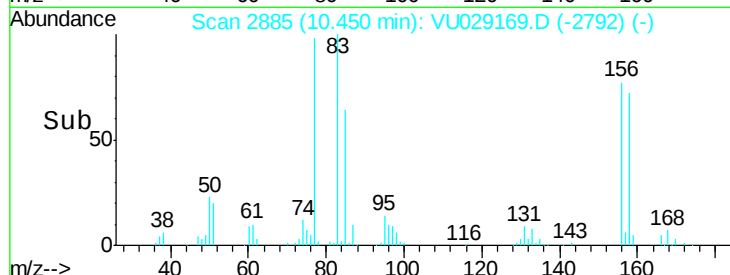
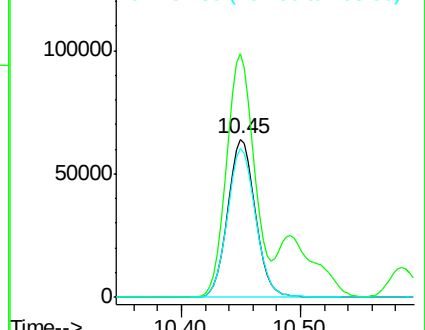
1/15/2019 11:29:50 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.545 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029169.D

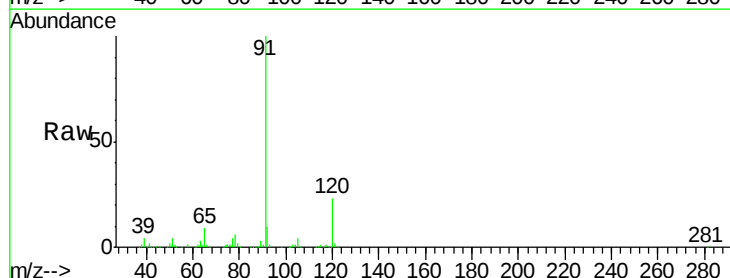
Acq: 14 Jan 2019 17:10

Tgt Ion: 91 Resp: 485271

Ion Ratio Lower Upper

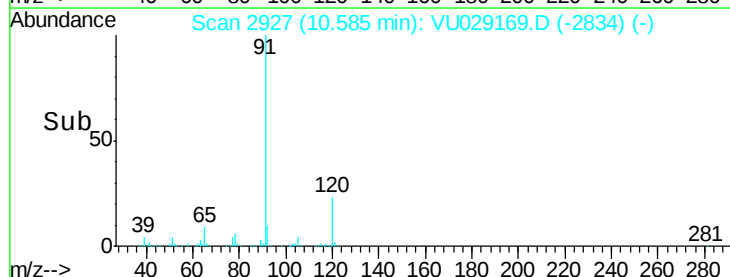
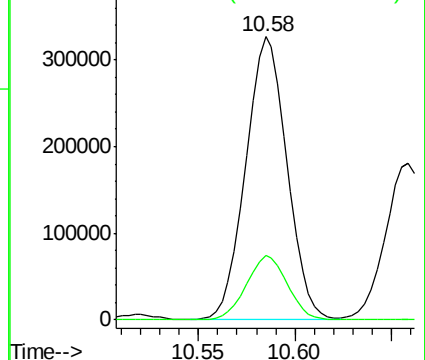
91 100

120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





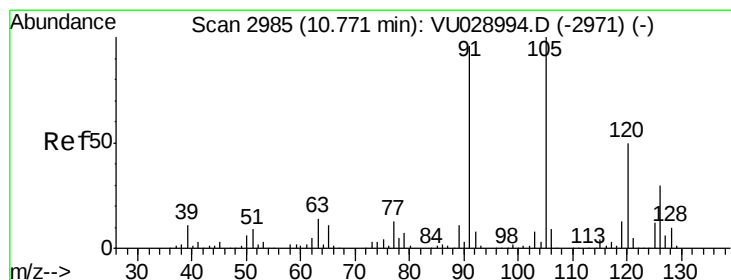
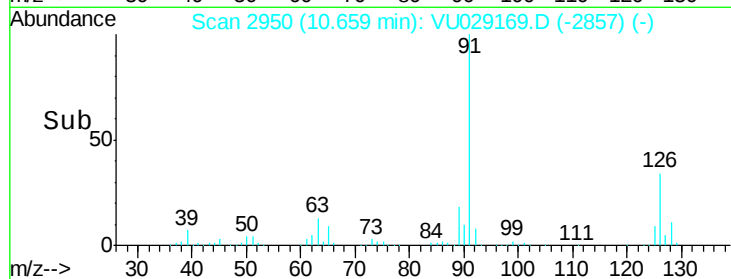
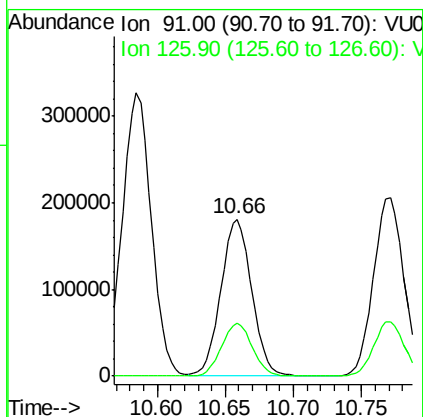
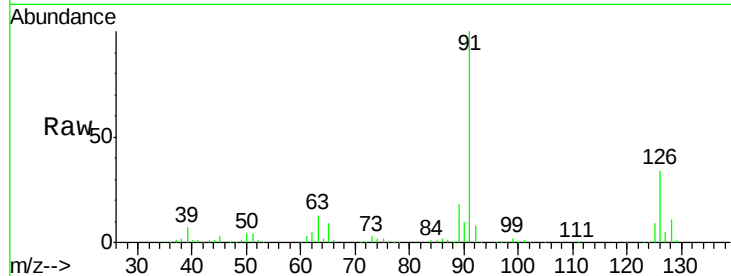
#79
 2-Chlorotoluene
 Concen: 49.940 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 285205
 Ion Ratio Lower Upper
 91 100
 126 33.7 16.8 50.4

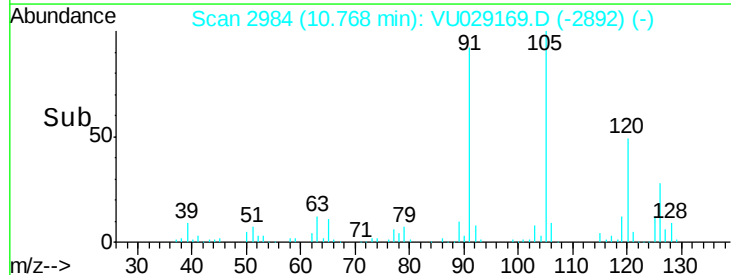
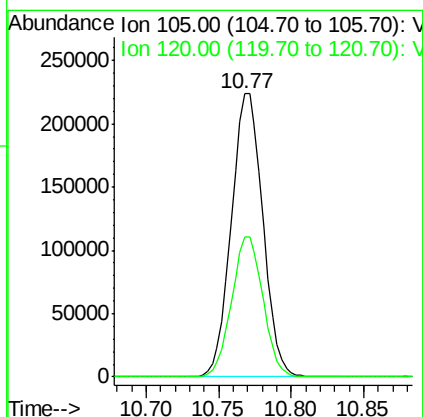
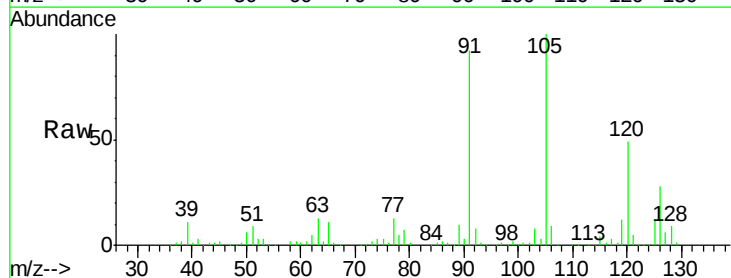
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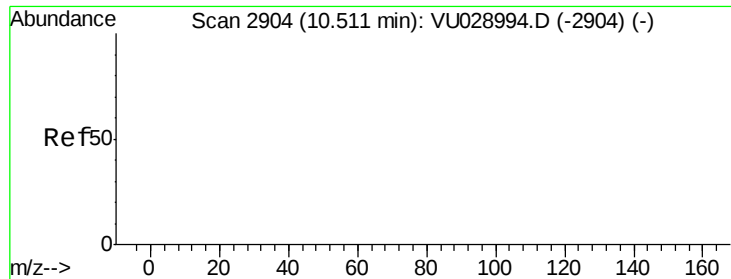
MMDadoda
 1/15/2019 11:29:50 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.547 ug/l
 RT: 10.77 min Scan# 2984
 Delta R.T. -0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Tgt Ion: 105 Resp: 337204
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.8 74.4





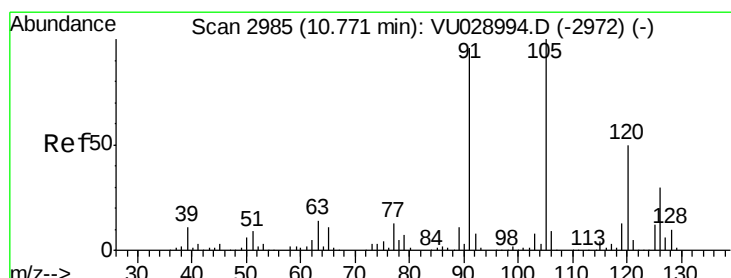
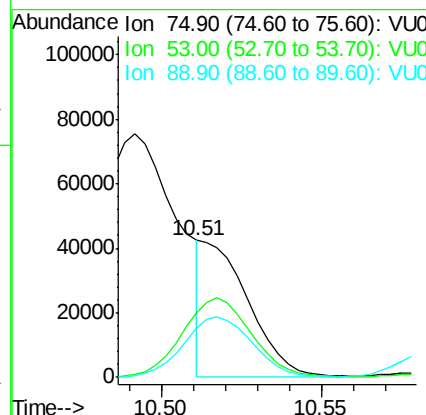
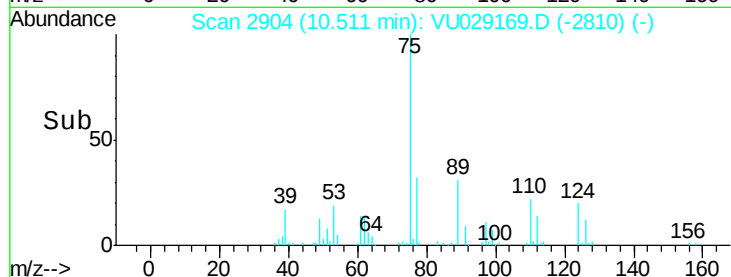
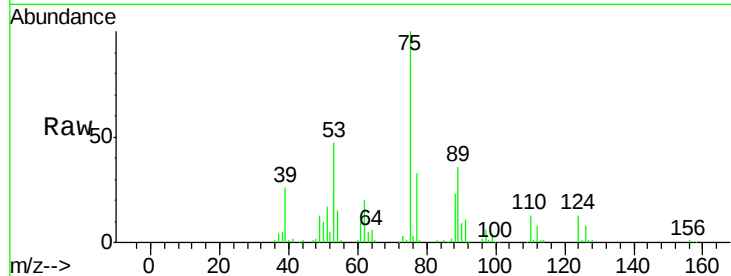
#81
trans-1,4-Dichloro-2-butene
Concen: 41.382 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

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

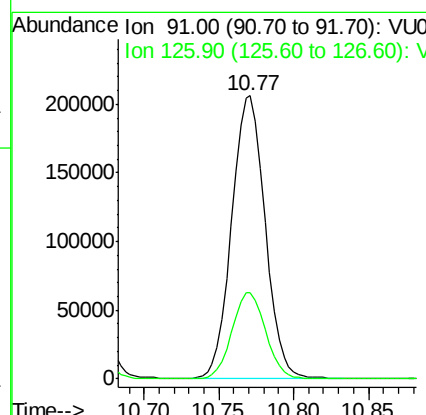
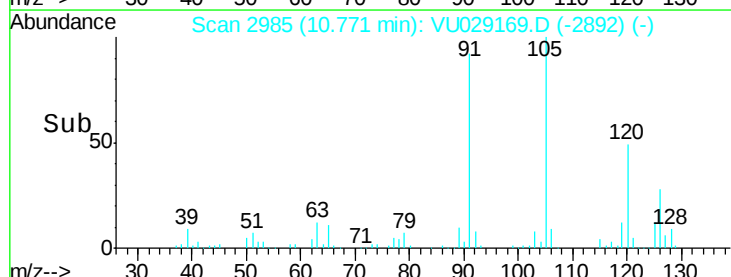
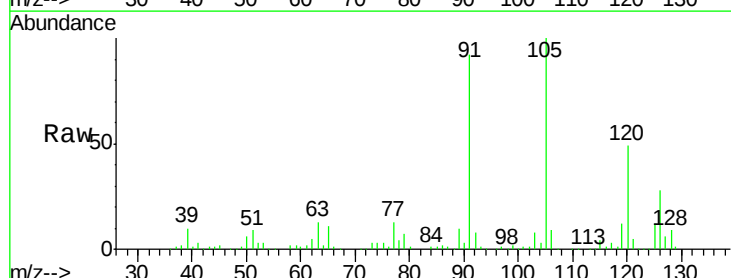
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#82
4-Chlorotoluene
Concen: 48.800 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.5	46.5





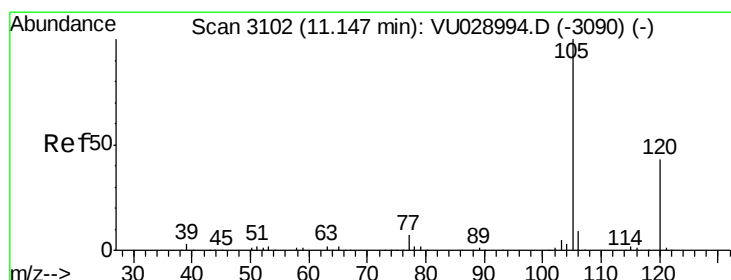
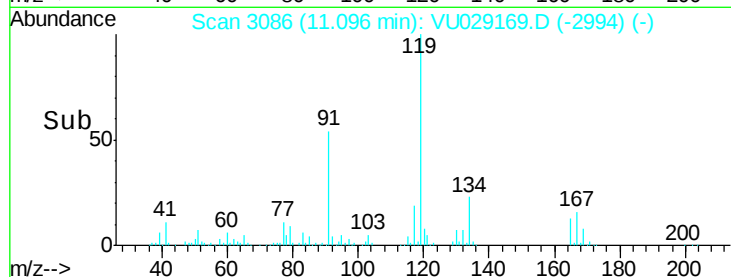
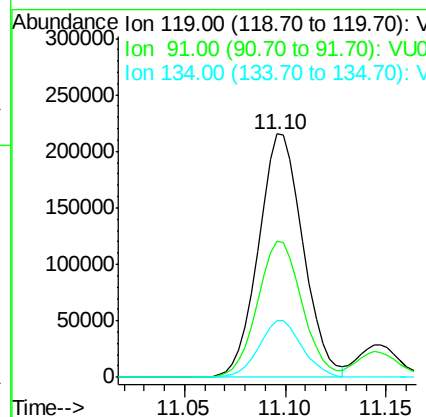
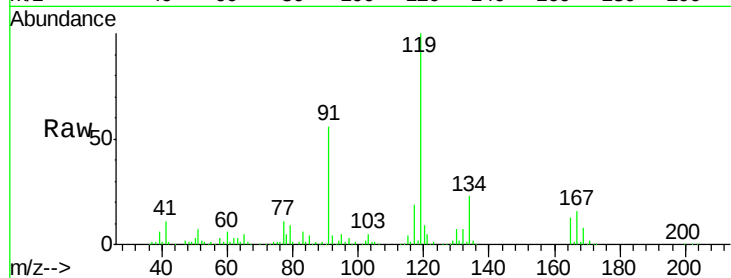
#83
tert-Butylbenzene
Concen: 50.587 ug/l
RT: 11.10 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	332624		
91	55.8	28.2	84.6	
134	22.7	11.3	33.8	

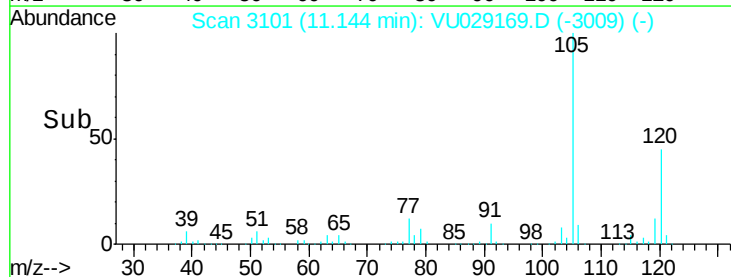
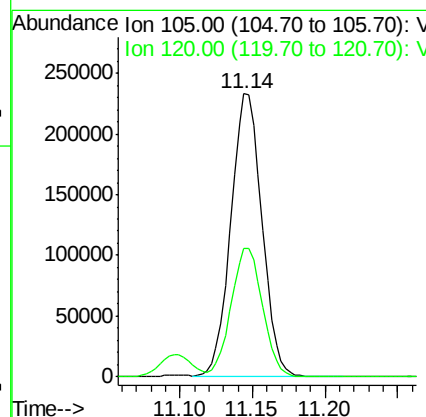
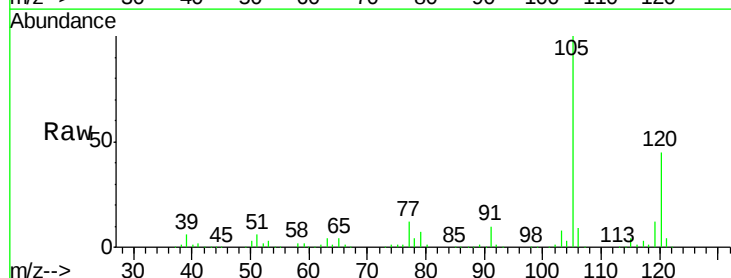
Manual Integrations
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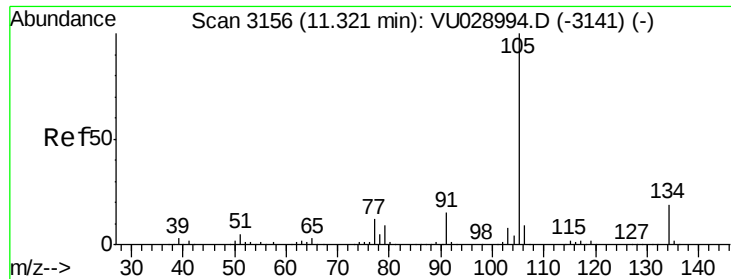
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#84
1,2,4-Trimethylbenzene
Concen: 51.880 ug/l
RT: 11.14 min Scan# 3101
Delta R.T. -0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	345541		
120	46.1	23.1	69.3	





#85

sec-Butylbenzene

Concen: 52.629 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 418514

Ion Ratio Lower Upper

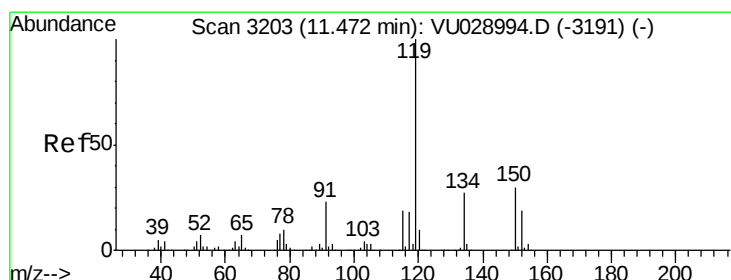
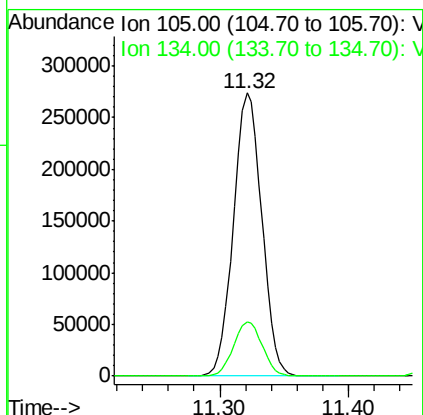
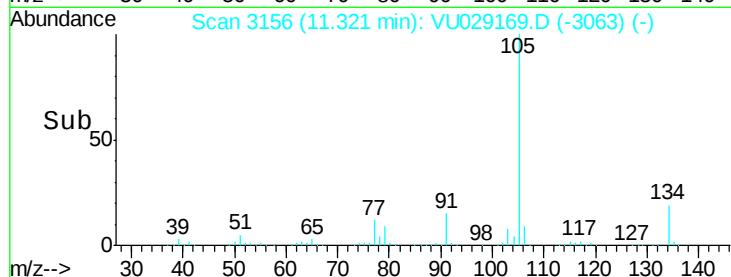
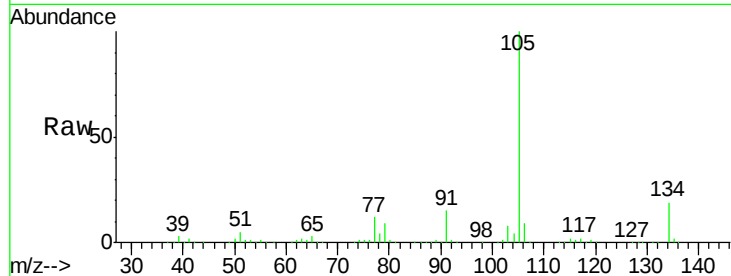
105 100

134 19.5 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 52.705 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

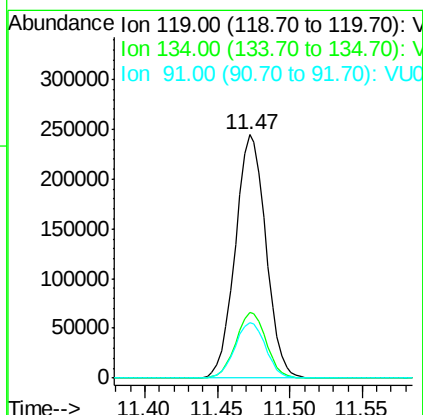
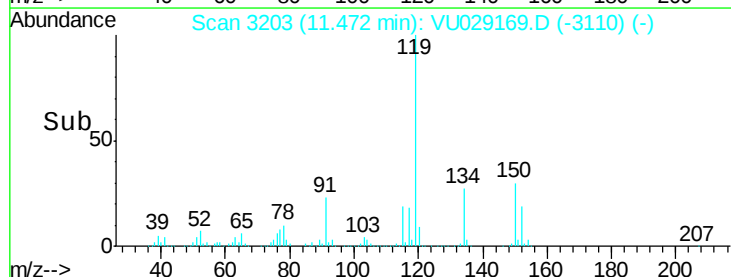
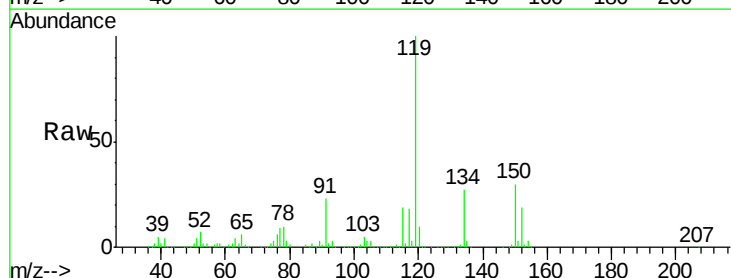
Tgt Ion:119 Resp: 357137

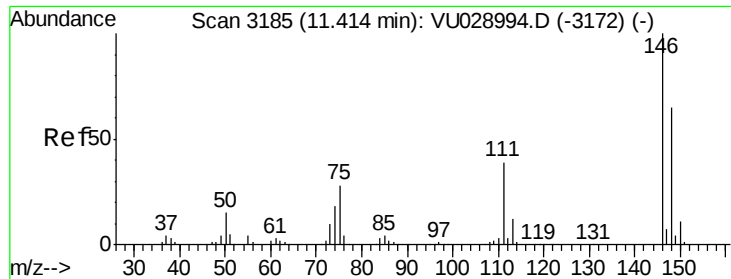
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 23.1 11.3 33.8





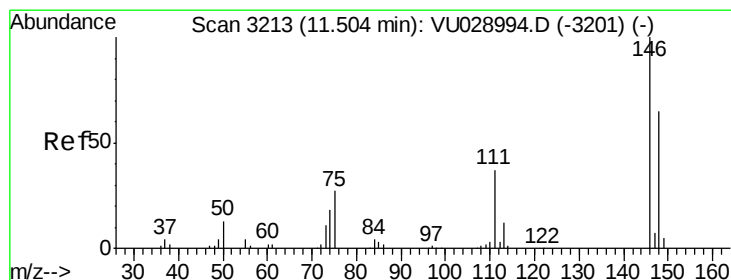
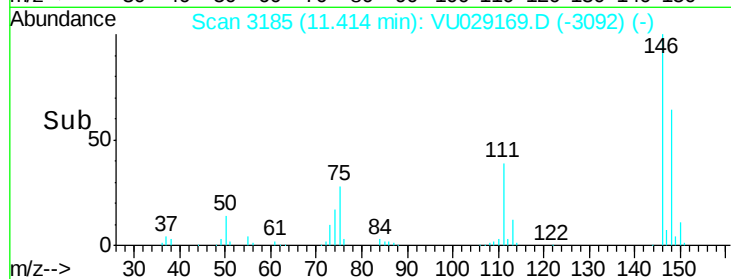
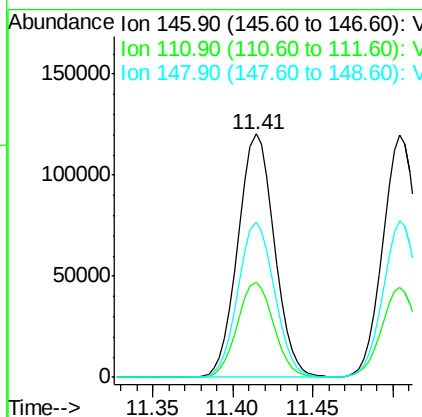
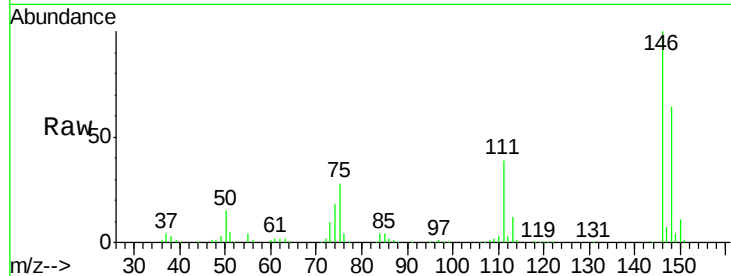
#87
 1,3-Dichlorobenzene
 Concen: 49.017 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.8
148	63.9	32.5	97.5

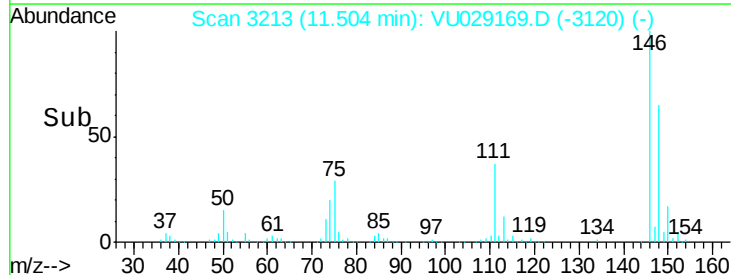
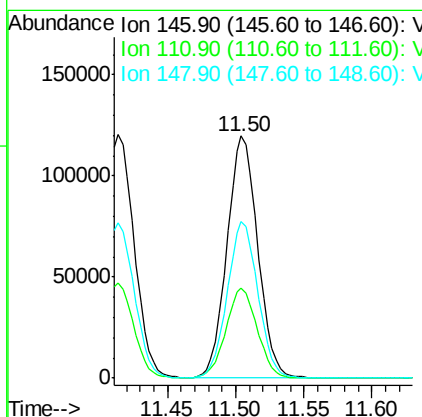
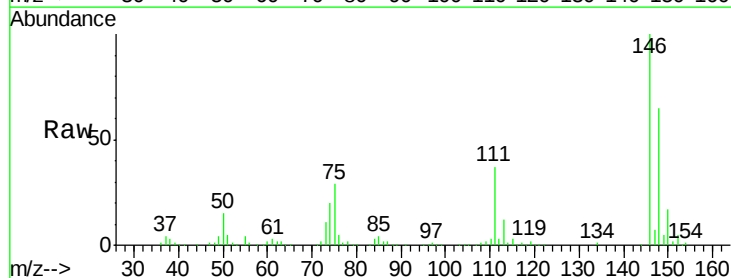
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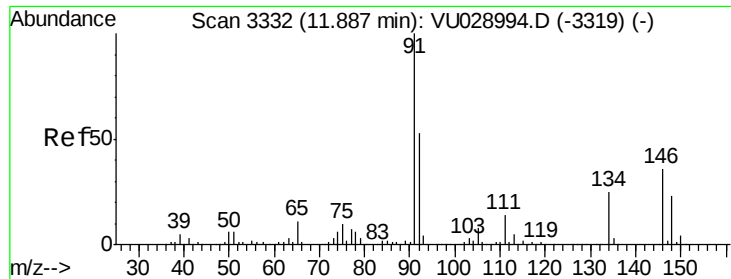
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#88
 1,4-Dichlorobenzene
 Concen: 47.335 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.3
148	64.6	32.6	98.0





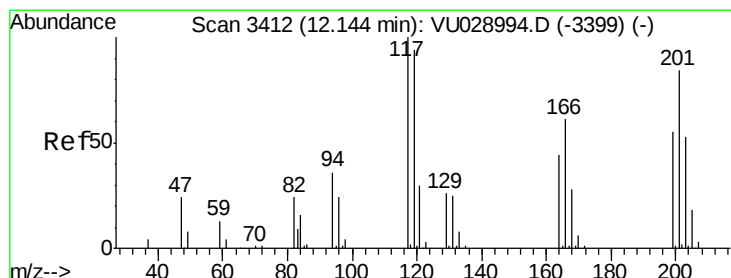
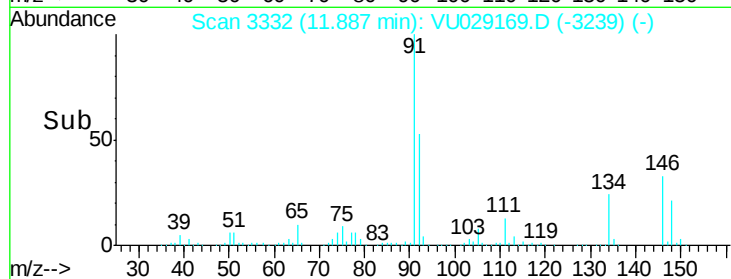
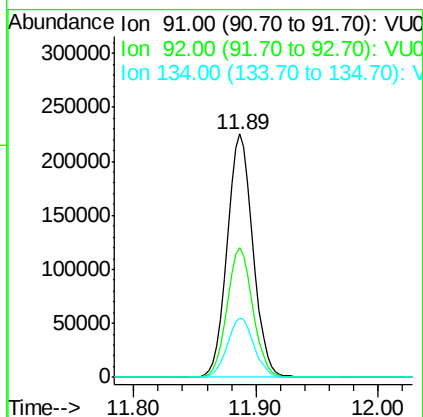
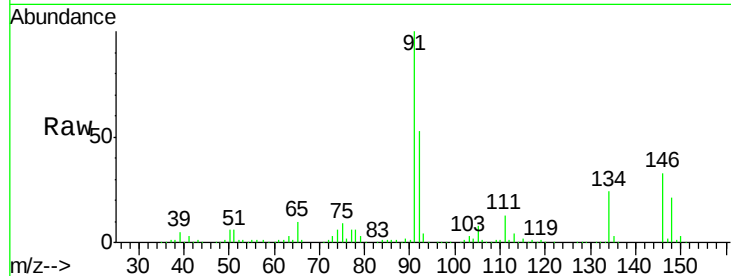
#89
n-Butylbenzene
Concen: 55.217 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.2	78.5
134	25.0	12.6	37.6

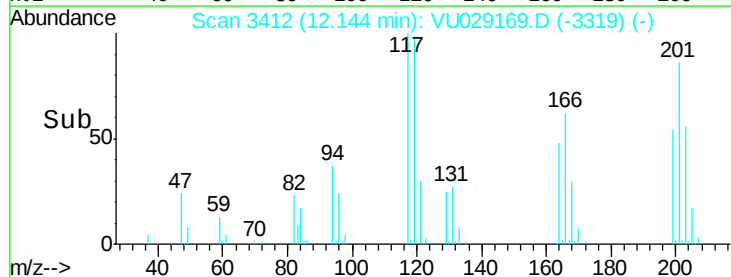
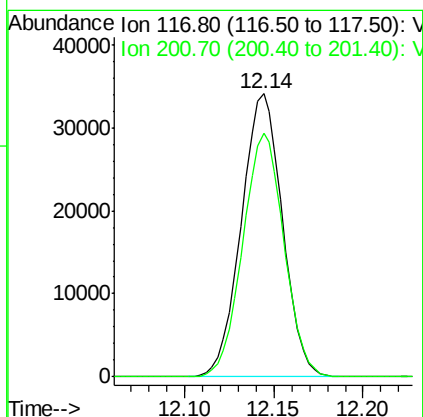
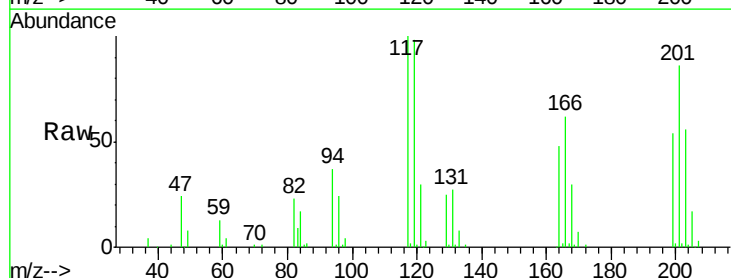
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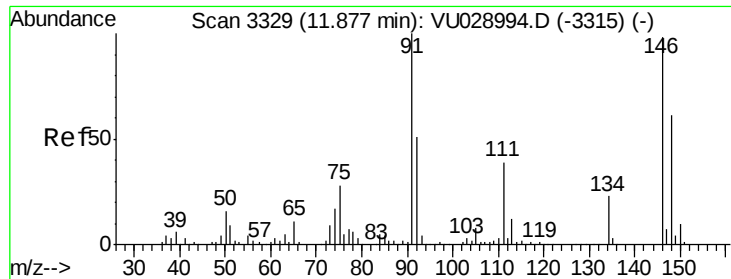
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1/15/2019 11:29:50 AM



#90
Hexachloroethane
Concen: 48.217 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029169.D
Acq: 14 Jan 2019 17:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.2	42.4	127.3





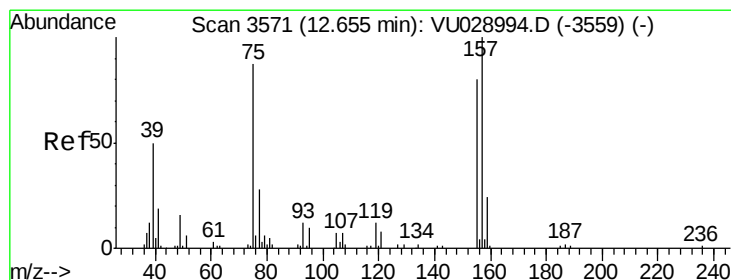
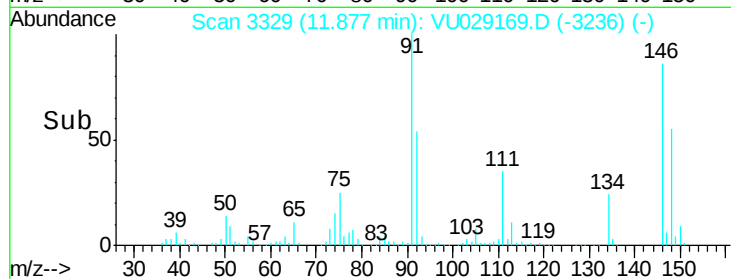
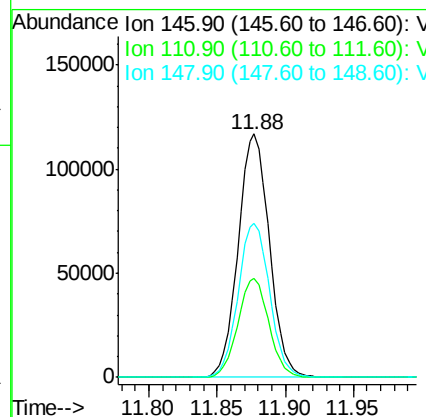
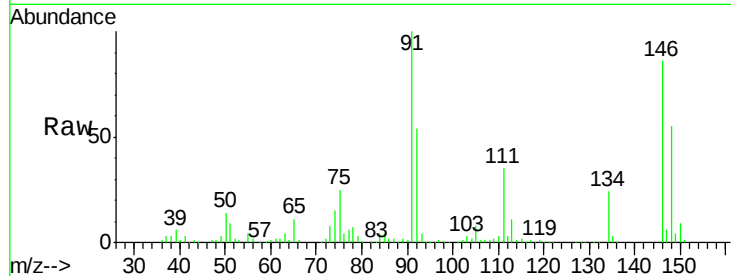
#91
 1,2-Dichlorobenzene
 Concen: 48.227 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	59.9
148	63.8	31.6	94.8

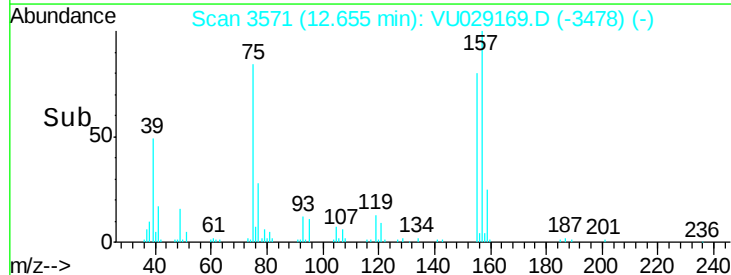
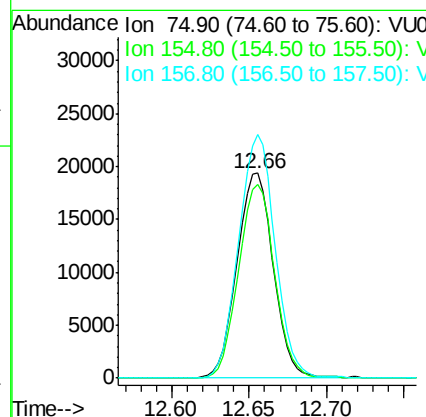
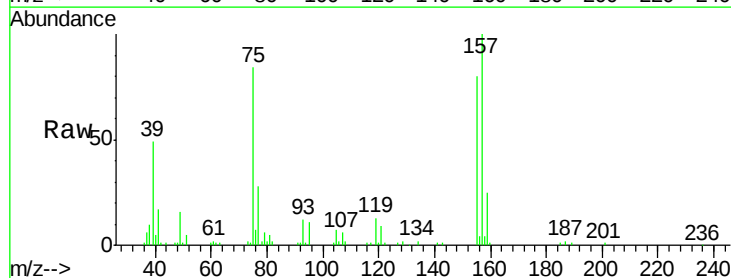
Manual Integrations
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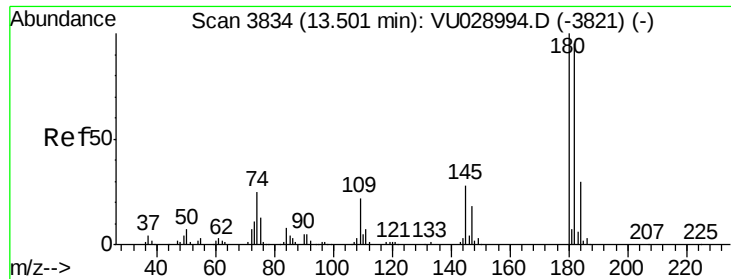
MMDadoda
 1/15/2019 11:29:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.424 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.4	46.3	138.8
157	119.2	57.4	172.0





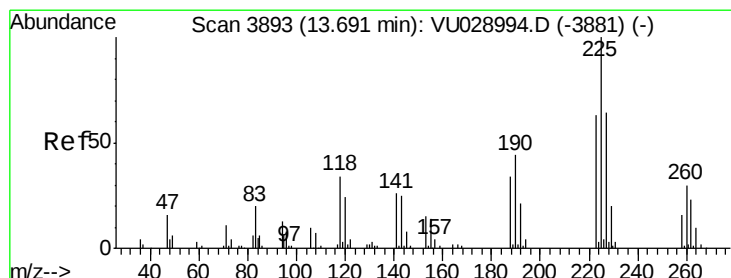
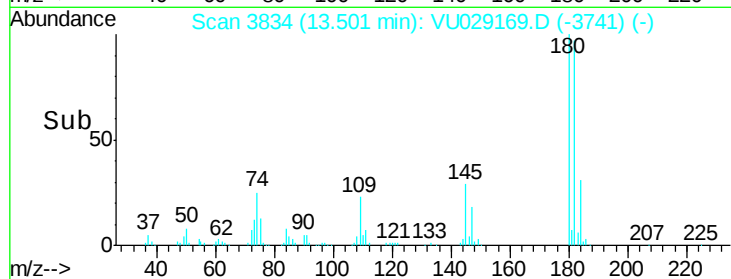
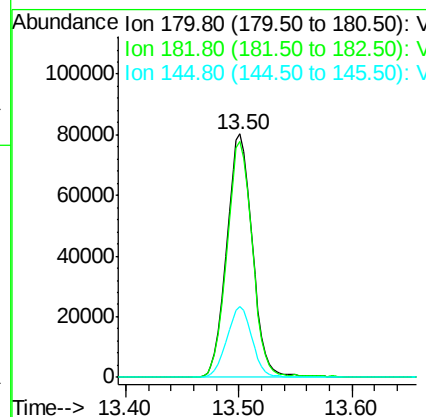
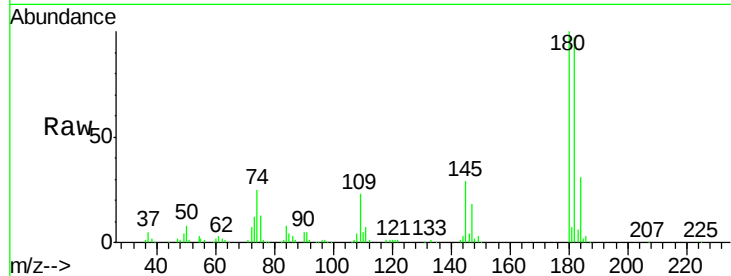
#93
 1,2,4-Trichlorobenzene
 Concen: 51.577 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.5	142.6
145	28.4	14.0	42.0

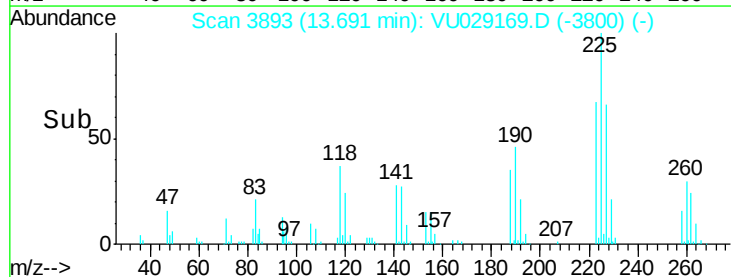
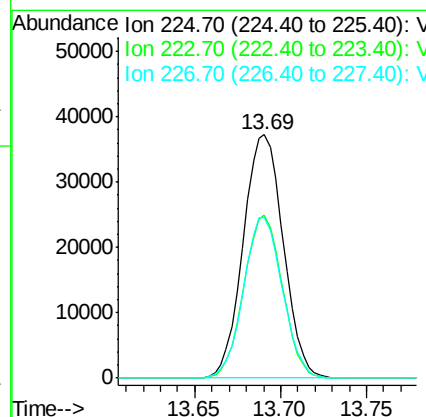
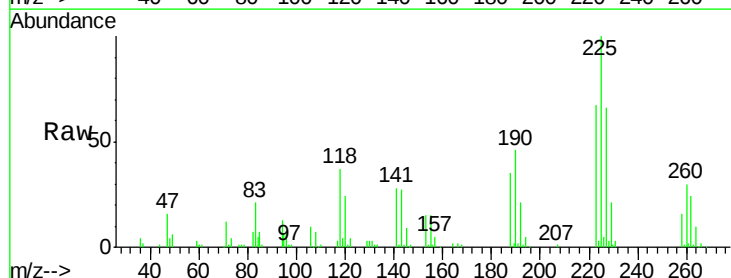
Manual Integrations
 APPROVED

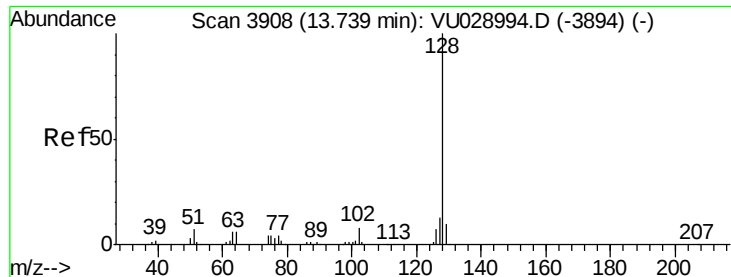
MMDadoda
 1/15/2019 11:29:50 AM



#94
 Hexachlorobutadiene
 Concen: 53.691 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029169.D
 Acq: 14 Jan 2019 17:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.4	94.0
227	64.2	31.9	95.5





#95

Naphthalene

Concen: 49.924 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. 0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Instrument :

MSVOA_U

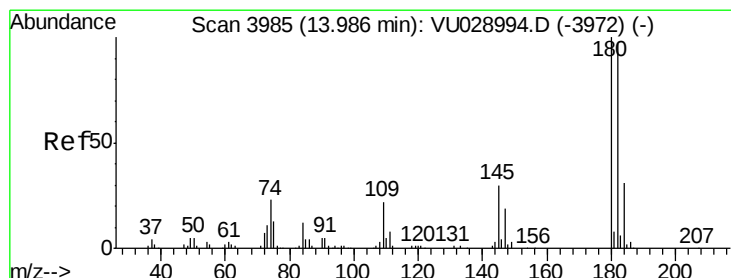
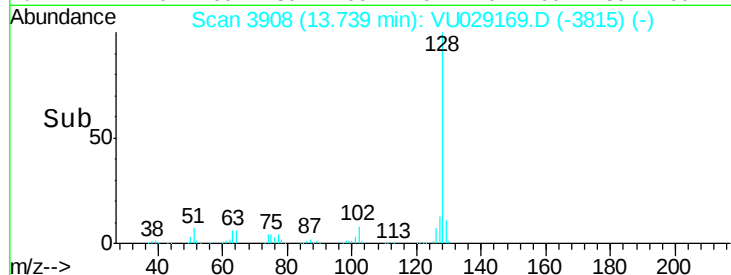
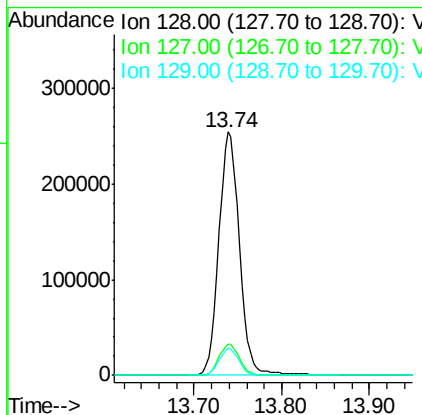
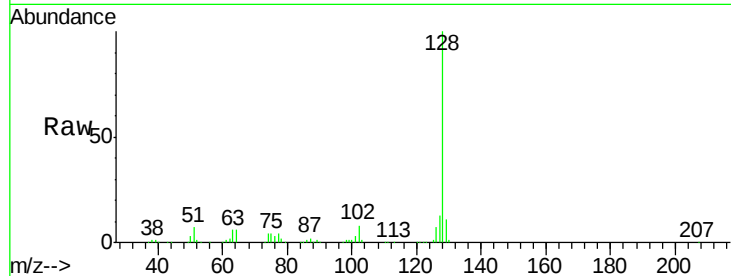
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	416965
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/15/2019 11:29:50 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.397 ug/l

RT: 13.98 min Scan# 3984

Delta R.T. -0.00 min

Lab File: VU029169.D

Acq: 14 Jan 2019 17:10

Tgt Ion:	180	Resp:	127394
Ion Ratio	Lower	Upper	
180	100		
182	97.4	48.1	144.3
145	30.6	14.8	44.4

