

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012119\
 Data File : VU029240.D
 Acq On : 21 Jan 2019 11:44
 Operator : JC/SP
 Sample : VU0121WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 10:40:17 AM

Quant Time: Jan 22 01:39:16 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	110067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	181593	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	169184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82111	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	70453	51.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.56%		
35) Dibromofluoromethane	4.88	113	59844	50.84	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.68%		
50) Toluene-d8	7.56	98	229174	49.31	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.62%		
62) 4-Bromofluorobenzene	10.31	95	81239	48.64	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.28%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	19999	18.322	ug/l	97
3) Chloromethane	1.33	50	29768	16.620	ug/l	99
4) Vinyl Chloride	1.41	62	31264	19.436	ug/l	96
5) Bromomethane	1.62	94	16853	18.462	ug/l	98
6) Chloroethane	1.70	64	18493	19.301	ug/l	98
7) Trichlorofluoromethane	1.89	101	34158	19.488	ug/l	99
8) Diethyl Ether	2.10	74	16510	19.606	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	21864	18.643	ug/l	97
10) Methyl Iodide	2.41	142	23925	21.696	ug/l	99
11) Tert butyl alcohol	2.82	59	38829	112.269	ug/l	99
12) 1,1-Dichloroethene	2.29	96	21021	18.414	ug/l	98
13) Acrolein	2.19	56	19158	73.770	ug/l	98
14) Allyl chloride	2.59	41	45349m	21.651	ug/l	
15) Acrylonitrile	2.94	53	97199	114.554	ug/l	99
16) Acetone	2.32	43	94750	110.540	ug/l	97
17) Carbon Disulfide	2.48	76	65820	17.045	ug/l	99
18) Methyl Acetate	2.61	43	49833	25.004	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	82494	20.555	ug/l	98
20) Methylene Chloride	2.70	84	28391	19.509	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	24728	18.645	ug/l	93
22) Diisopropyl ether	3.57	45	87764	21.201	ug/l	97
23) Vinyl Acetate	3.52	43	359605	106.261	ug/l	99
24) 1,1-Dichloroethane	3.45	63	49840	20.856	ug/l	99
25) 2-Butanone	4.26	43	135025	116.631	ug/l	98
26) 2,2-Dichloropropane	4.23	77	40257	20.849	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	29105	20.064	ug/l	97
28) Bromochloromethane	4.55	49	28289	27.646	ug/l	95
29) Tetrahydrofuran	4.63	42	81643	116.273	ug/l	98
30) Chloroform	4.67	83	48630	21.365	ug/l	98
31) Cyclohexane	5.00	56	45677	19.565	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	38478	20.459	ug/l	97
36) 1,1-Dichloropropene	5.13	75	35129	19.354	ug/l	99
37) Ethyl Acetate	4.38	43	44587	22.379	ug/l	99
38) Carbon Tetrachloride	5.13	117	31092	20.538	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	40938	18.346	ug/l	100
40) Benzene	5.39	78	113129	19.981	ug/l	99
41) Methacrylonitrile	4.54	41	24793	23.247	ug/l	97
42) 1,2-Dichloroethane	5.40	62	36546	21.481	ug/l	99
43) Isopropyl Acetate	5.55	43	67405	22.055	ug/l	98
44) Trichloroethene	6.19	130	27155	19.357	ug/l	99
45) 1,2-Dichloropropane	6.43	63	31707	21.206	ug/l	98
46) Dibromomethane	6.56	93	19681	20.591	ug/l	99
47) Bromodichloromethane	6.76	83	37331	21.213	ug/l	100
48) Methyl methacrylate	6.62	41	33320	22.390	ug/l	98
49) 1,4-Dioxane	6.61	88	17261	489.429	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	234809	112.890	ug/l	98
52) Toluene	7.64	92	68589	19.900	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	42819	20.255	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	46305	20.271	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	29347	21.253	ug/l	98
56) Ethyl methacrylate	8.02	69	43231	20.322	ug/l	97
57) 1,3-Dichloropropane	8.24	76	49446	20.927	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	94242	100.735	ug/l	99
59) 2-Hexanone	8.36	43	185343	113.519	ug/l	98
60) Dibromochloromethane	8.48	129	28320	20.702	ug/l	97
61) 1,2-Dibromoethane	8.58	107	30440	20.326	ug/l	98
64) Tetrachloroethene	8.22	164	23607	19.370	ug/l	96
65) Chlorobenzene	9.12	112	75069	19.795	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	26634	21.641	ug/l	98
67) Ethyl Benzene	9.25	91	125515	19.824	ug/l	99
68) m/p-Xylenes	9.37	106	97102	39.471	ug/l	99
69) o-Xylene	9.78	106	48086	20.286	ug/l	98
70) Styrene	9.79	104	76273	19.628	ug/l	98
71) Bromoform	9.95	173	23448	21.398	ug/l #	99
73) Isopropylbenzene	10.16	105	124471	20.480	ug/l	99
74) N-amyl acetate	10.01	43	55107	21.042	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.45	83	51674	21.214	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	45975m	22.852	ug/l	
77) Bromobenzene	10.45	156	33089	20.892	ug/l	96
78) n-propylbenzene	10.58	91	148940	20.795	ug/l	99
79) 2-Chlorotoluene	10.66	91	87479	20.134	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	102423	20.181	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	15768m	20.213	ug/l	
82) 4-Chlorotoluene	10.77	91	97660	19.602	ug/l	99
83) tert-Butylbenzene	11.10	119	101874	20.365	ug/l	100
84) 1,2,4-Trimethylbenzene	11.14	105	105687	20.857	ug/l	100
85) sec-Butylbenzene	11.32	105	126190	20.858	ug/l	100
86) p-Isopropyltoluene	11.47	119	106608	20.680	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	56536	19.461	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	57742	19.256	ug/l	98
89) n-Butylbenzene	11.89	91	95850	20.832	ug/l	99
90) Hexachloroethane	12.14	117	18514	21.348	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	56631	19.354	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10554	22.527	ug/l	95

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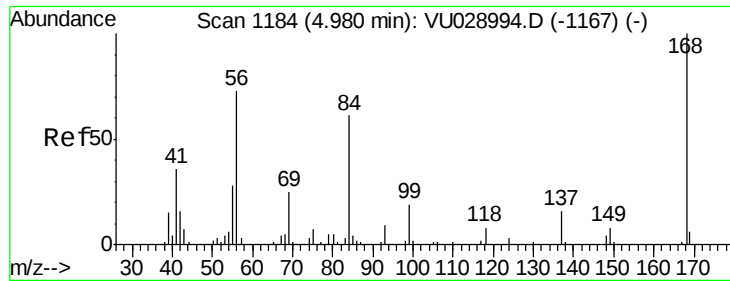
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	35484	18.997	ug/l	99
94) Hexachlorobutadiene	13.69	225	18063	21.142	ug/l	99
95) Naphthalene	13.74	128	113223	17.819	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	36395	19.409	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBSD01

Tot Ion:168 Resp: 110067

Ion Ratio Lower Upper

168 100

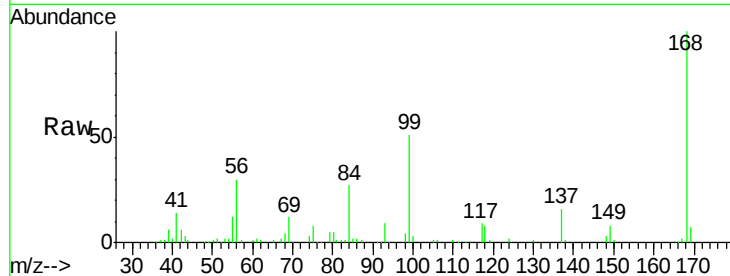
99 50.7 42.0 63.0

Manual Integrations

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

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

4.98

50000

40000

30000

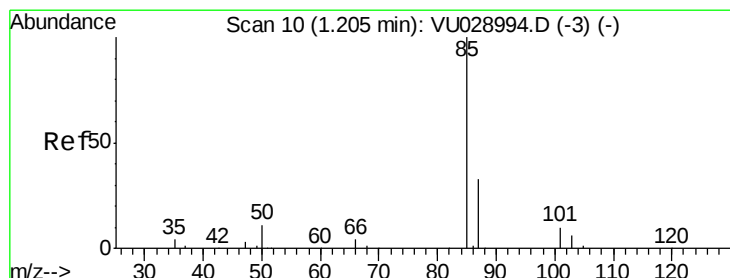
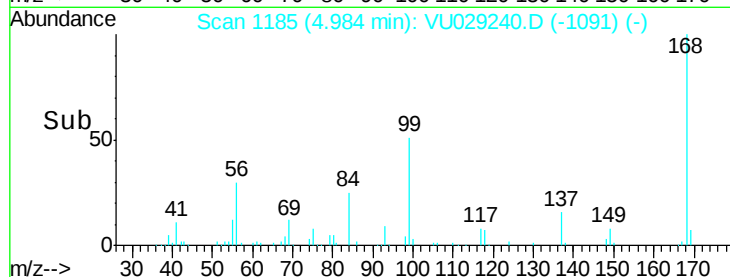
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.322 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029240.D

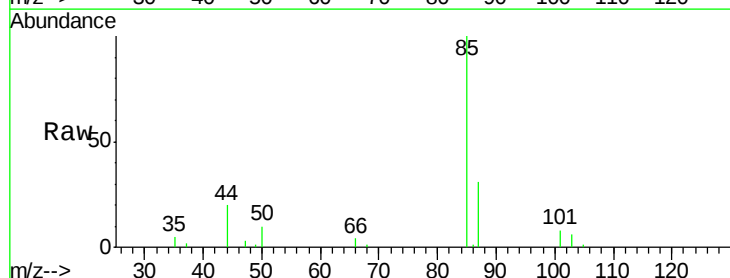
Acq: 21 Jan 2019 11:44

Tgt Ion: 85 Resp: 19999

Ion Ratio Lower Upper

85 100

87 31.1 16.3 48.8



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

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

1.21

20000

15000

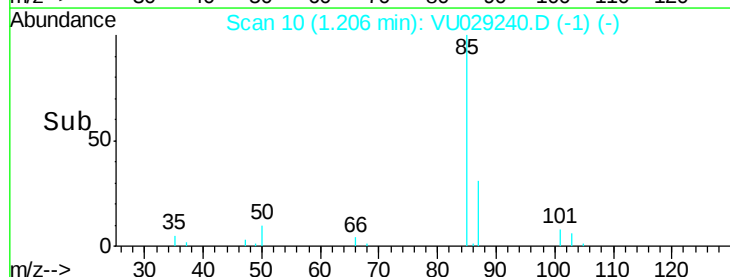
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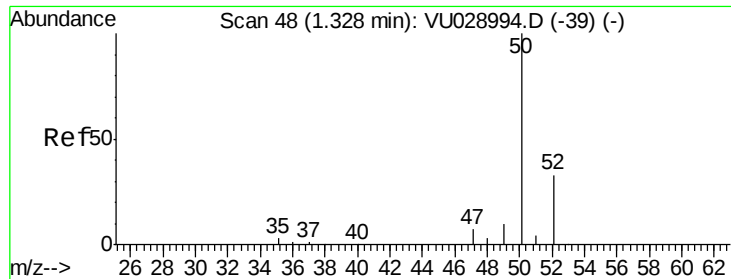
5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.620 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Tot Ion: 50 Resp: 29768

Ion Ratio Lower Upper

50 100

52 33.1 26.1 39.1

Instrument :

MSVOA_U

ClientSampleId :

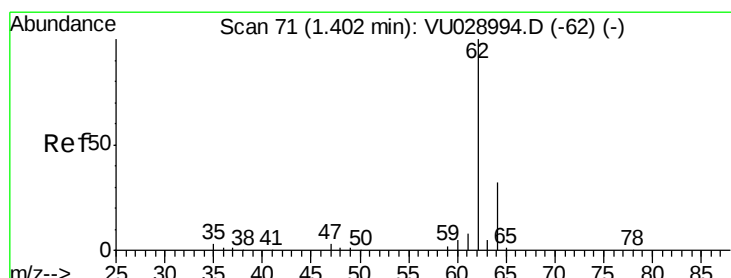
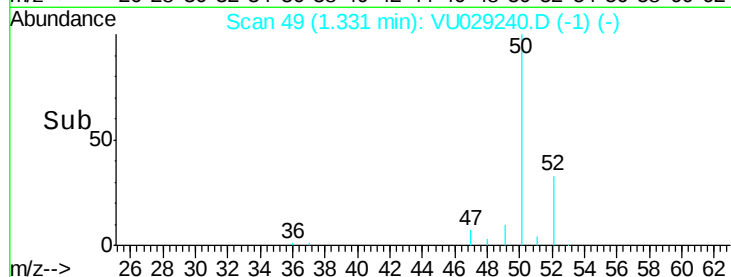
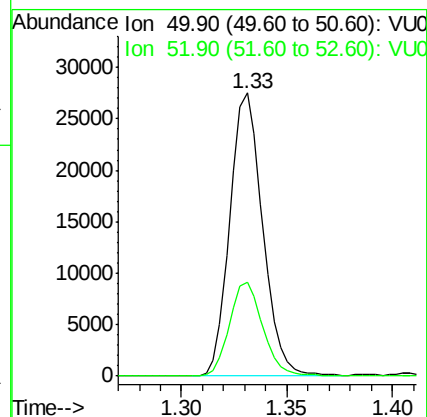
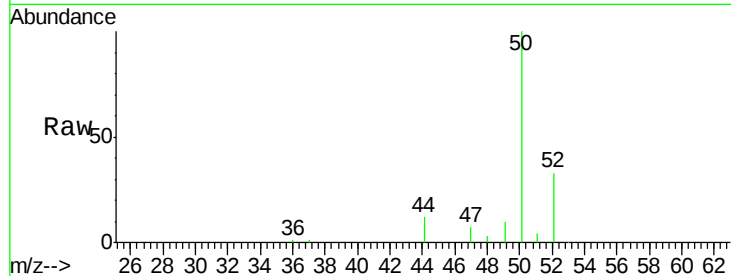
VU0121WBSD01

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.436 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU029240.D

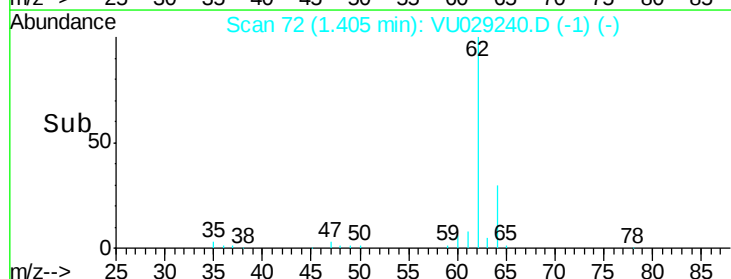
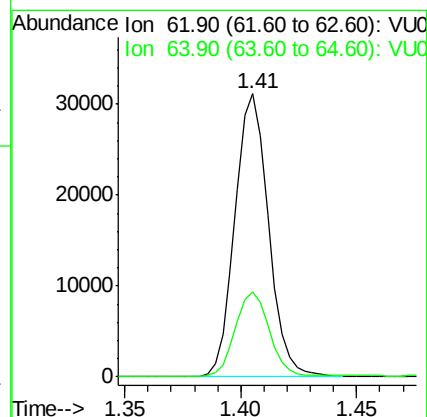
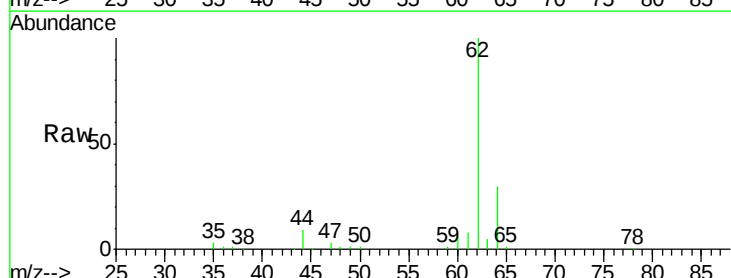
Acq: 21 Jan 2019 11:44

Tgt Ion: 62 Resp: 31264

Ion Ratio Lower Upper

62 100

64 30.1 25.9 38.9





#5

Bromomethane

Concen: 18.462 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.02 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBSD01

Tot Ion: 94 Resp: 16853

Ion Ratio Lower Upper

94 100

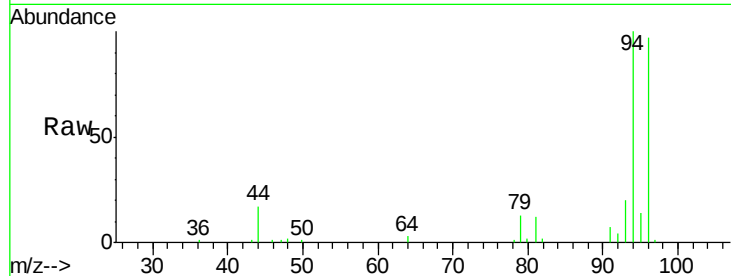
96 96.7 75.5 113.3

Manual Integrations

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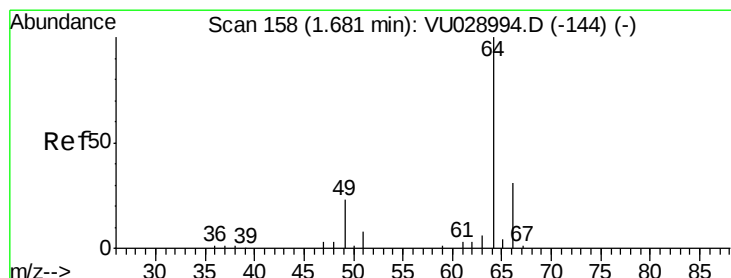
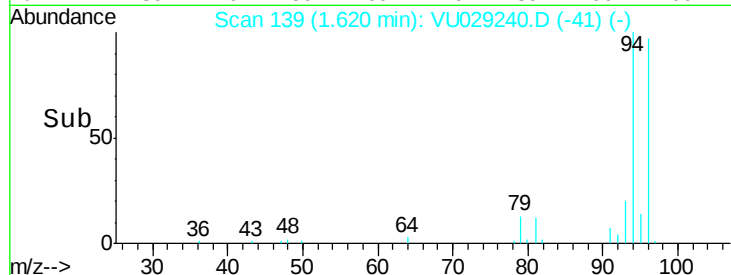
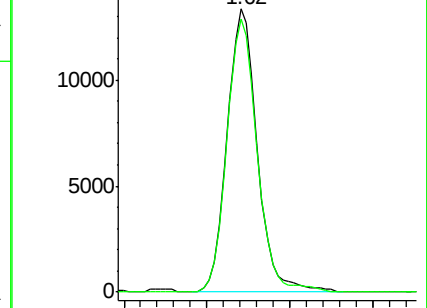
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 19.301 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.02 min

Lab File: VU029240.D

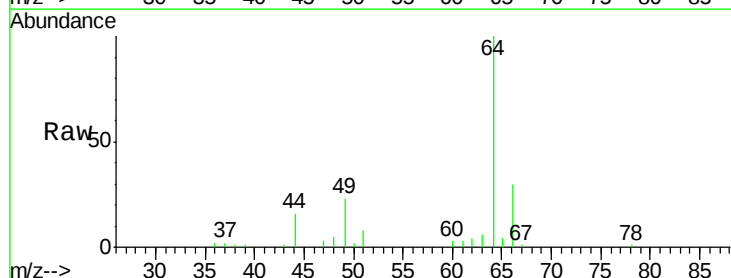
Acq: 21 Jan 2019 11:44

Tgt Ion: 64 Resp: 18493

Ion Ratio Lower Upper

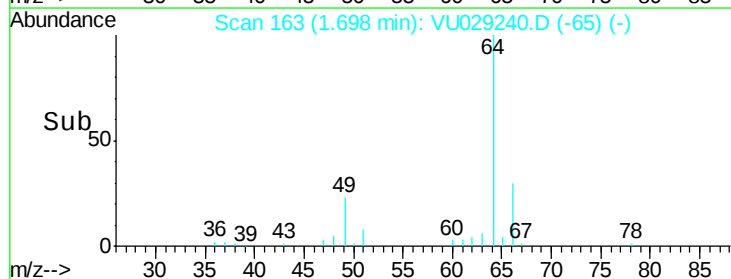
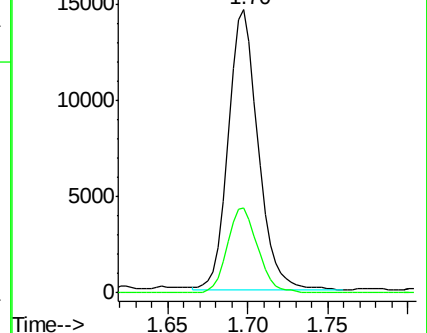
64 100

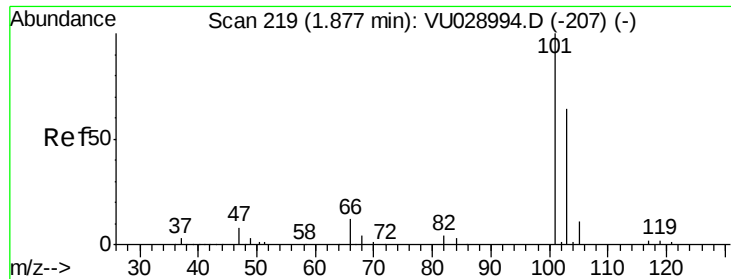
66 30.3 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

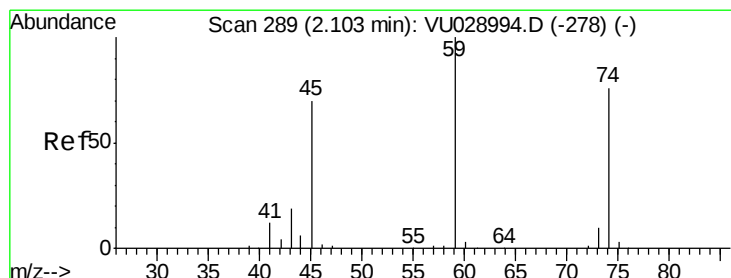
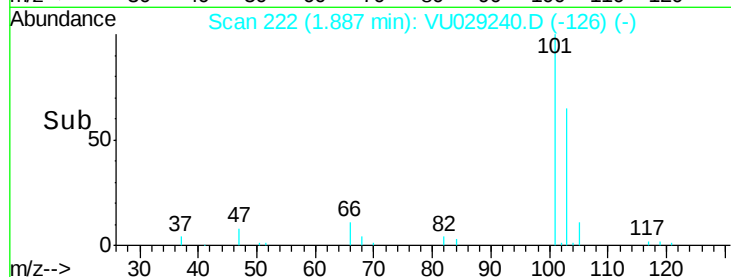
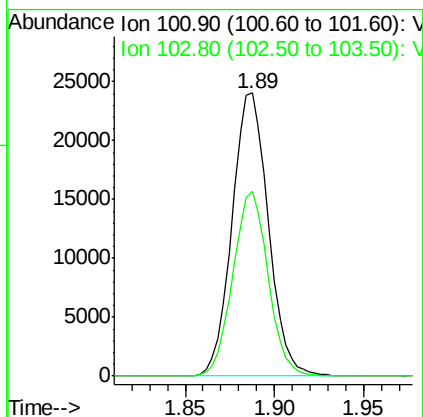
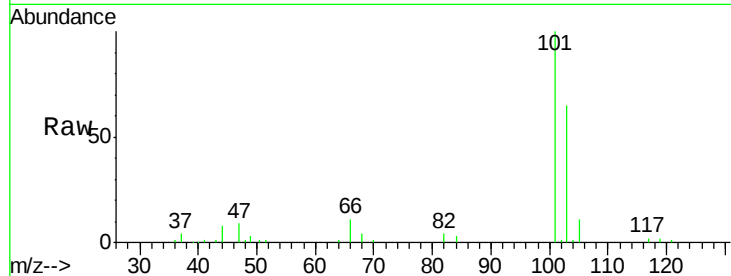
Trichlorofluoromethane
 Concen: 19.488 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Instrument :
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 VU0121WBSD01

Tot Ion:101 Resp: 34158
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.5 77.3

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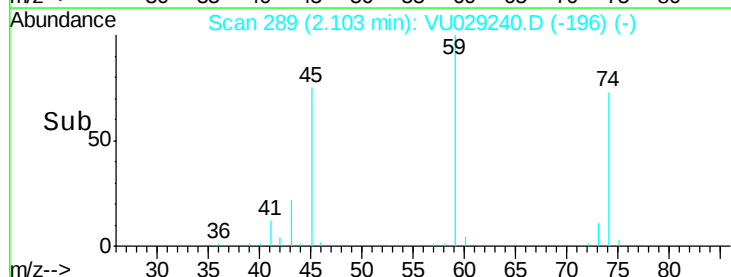
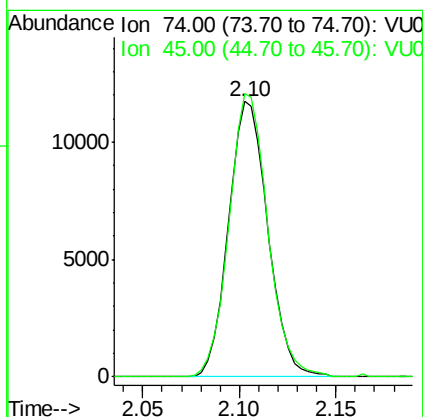
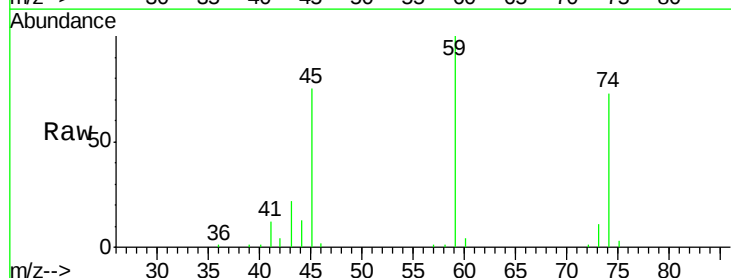
MMDadoda
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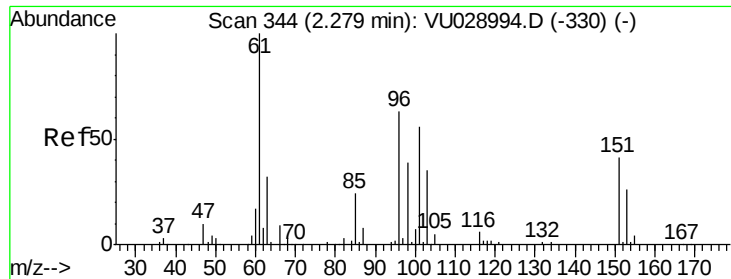


#8

Diethyl Ether
 Concen: 19.606 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Tgt Ion: 74 Resp: 16510
 Ion Ratio Lower Upper
 74 100
 45 101.8 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.643 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Instrument :

MSVOA_U

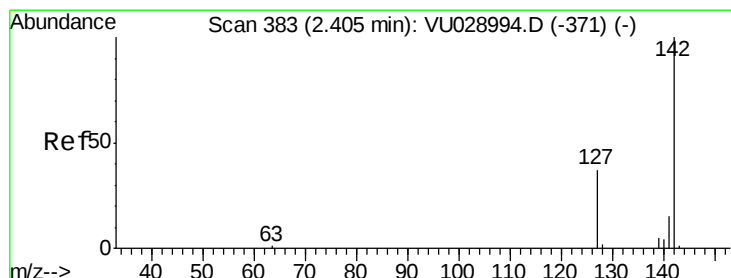
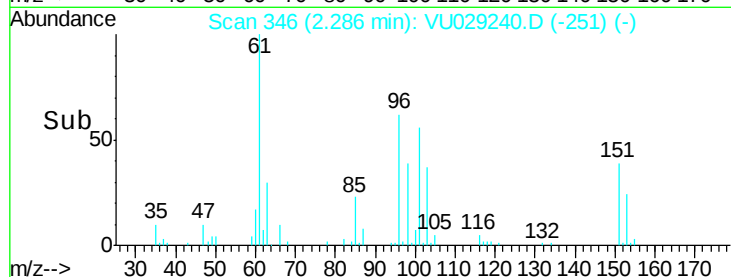
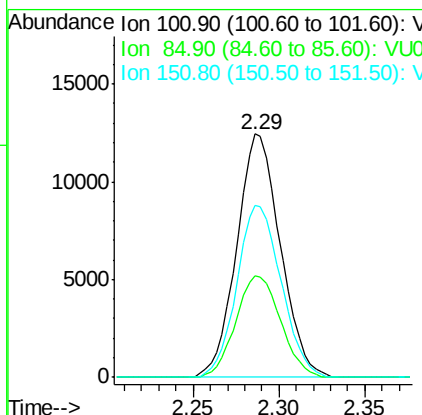
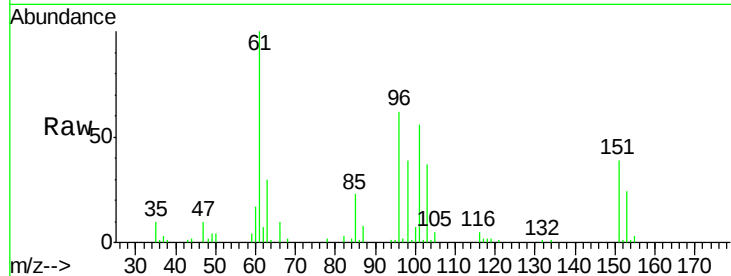
ClientSampleId :

VU0121WBSD01

Tot Ion:	101	Resp:	21864
Ion Ratio	Lower	Upper	
101	100		
85	42.7	35.1	52.7
151	71.7	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 21.696 ug/l

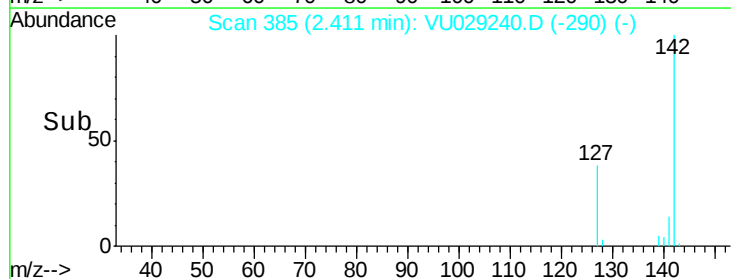
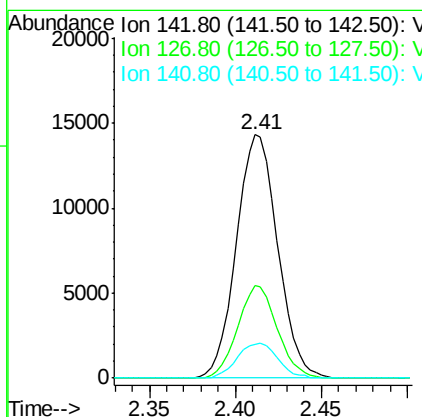
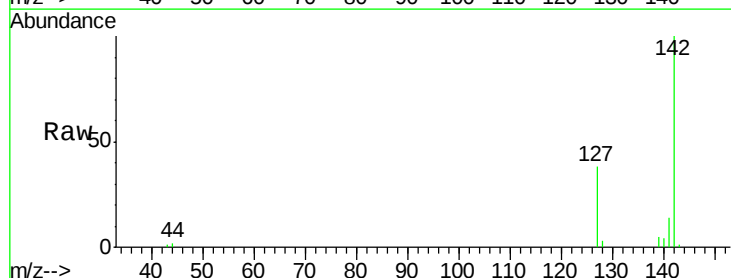
RT: 2.41 min Scan# 385

Delta R.T. 0.01 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Tgt Ion:	142	Resp:	23925
Ion Ratio	Lower	Upper	
142	100		
127	36.2	29.8	44.6
141	14.1	11.5	17.3





#11

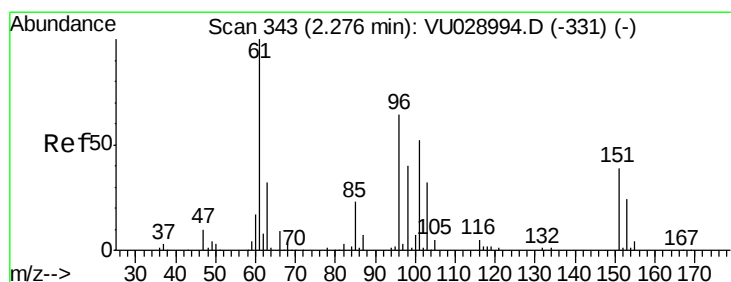
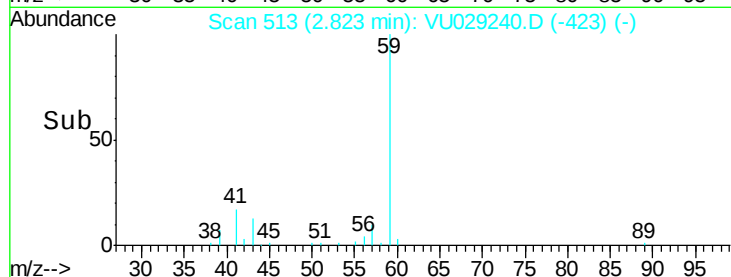
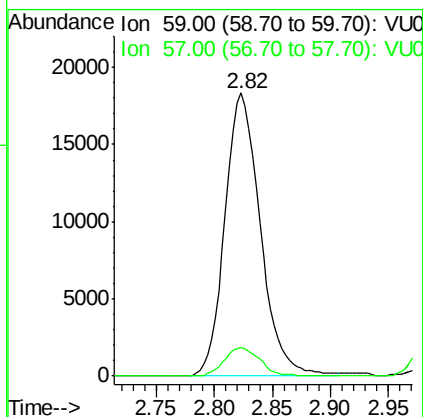
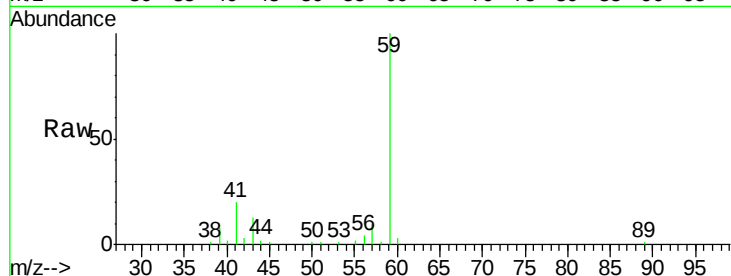
Tert butyl alcohol
Concen: 112.269 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.01 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9

Manual Integrations
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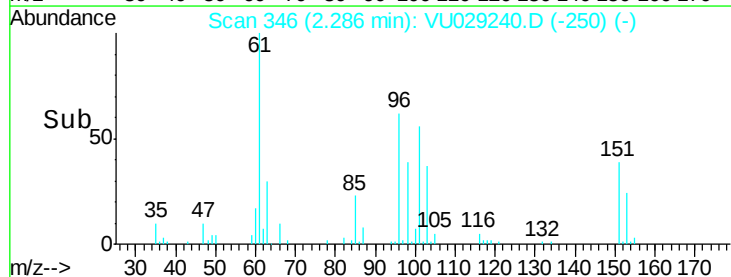
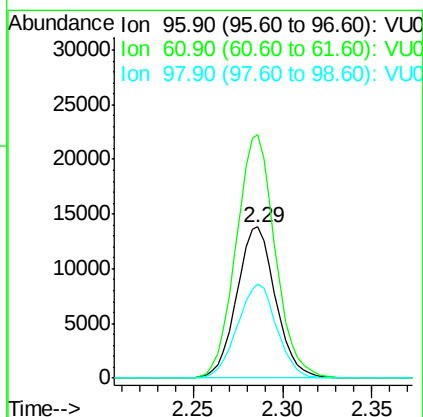
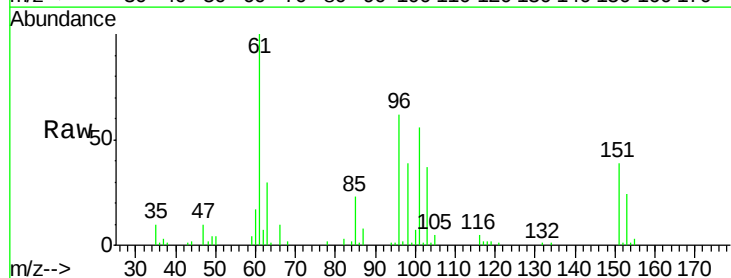
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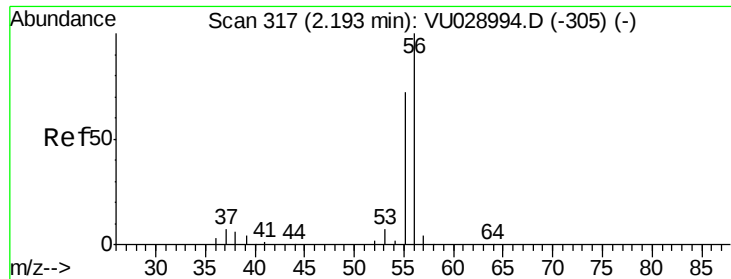


#12

1,1-Dichloroethene
Concen: 18.414 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.01 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.0	125.4	188.0
98	62.3	49.7	74.5





#13

Acrolein

Concen: 73.770 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBSD01

Tot Ion: 56 Resp: 19158

Ion Ratio Lower Upper

56 100

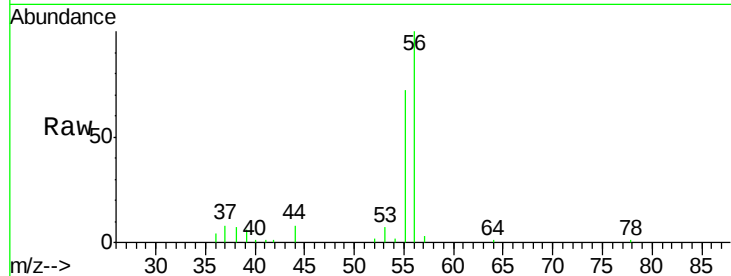
55 72.5 56.5 84.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU029240.D (-224) (-)

Ion 55.00 (54.70 to 55.70): VU029240.D (-224) (-)

2.19

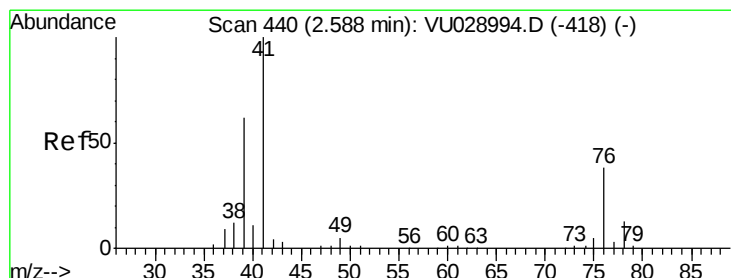
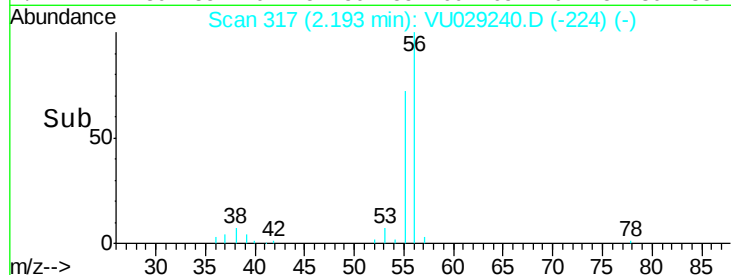
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 21.651 ug/l m

RT: 2.59 min Scan# 442

Delta R.T. 0.01 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

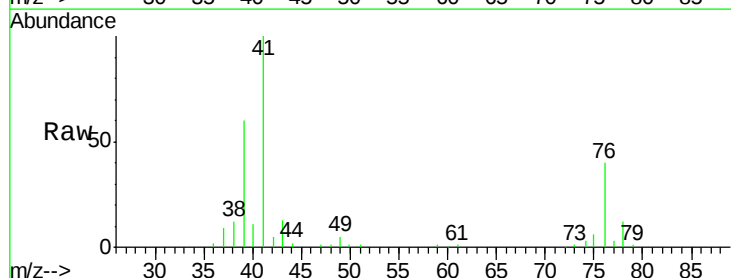
Tgt Ion: 41 Resp: 45349

Ion Ratio Lower Upper

41 100

39 52.2 45.0 67.6

76 34.4 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VU029240.D (-347) (-)

Ion 39.00 (38.70 to 39.70): VU029240.D (-347) (-)

Ion 75.90 (75.60 to 76.60): VU029240.D (-347) (-)

2.59

50000

40000

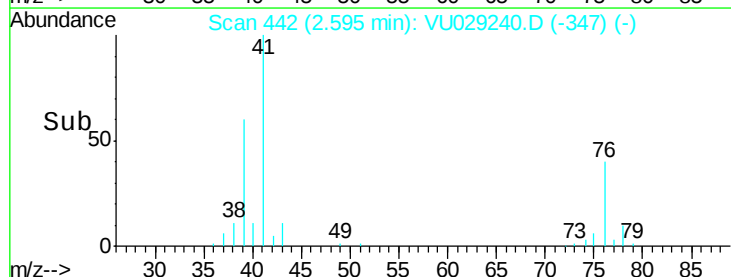
30000

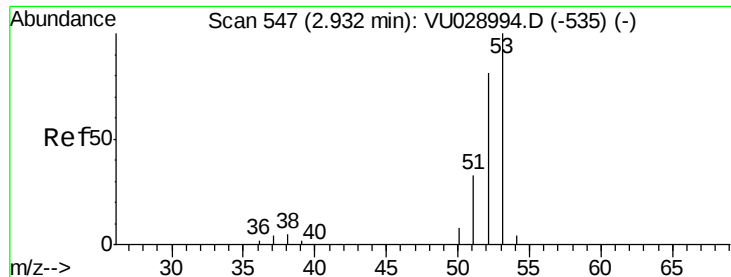
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 114.554 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Instrument :

MSVOA_U

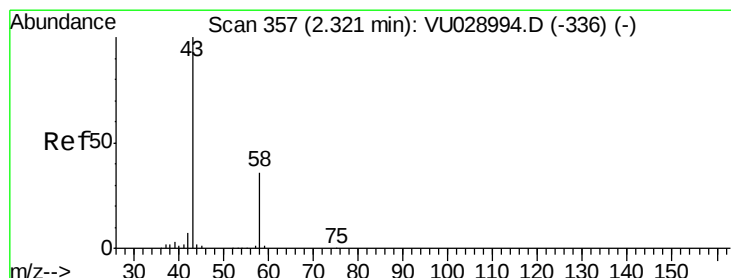
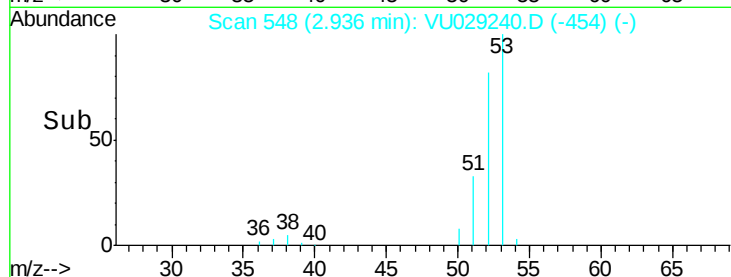
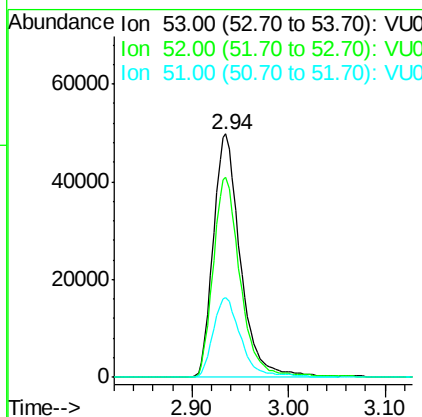
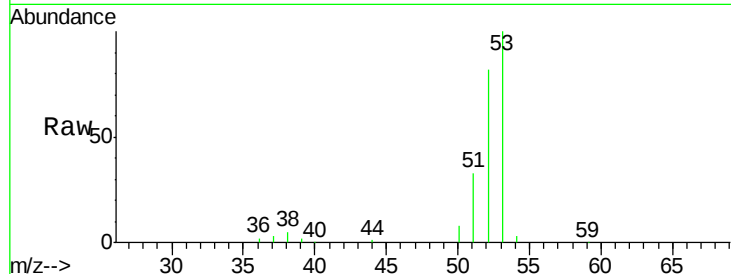
ClientSampleId :

VU0121WBSD01

Tot Ion:	53	Resp:	97199
Ion	Ratio	Lower	Upper
53	100		
52	82.0	64.8	97.2
51	33.9	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 110.540 ug/l

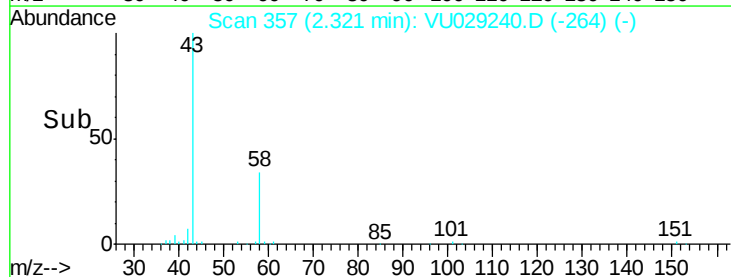
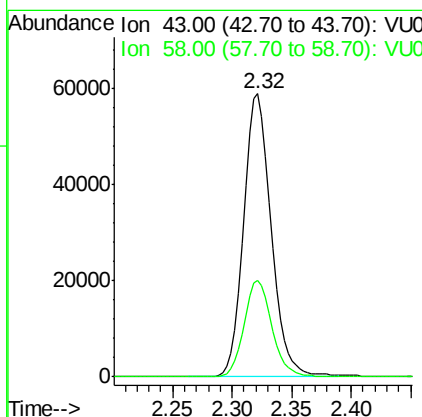
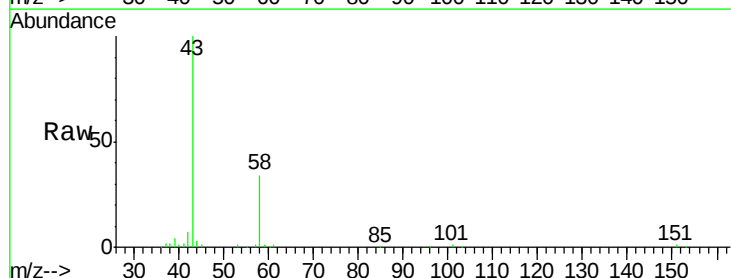
RT: 2.32 min Scan# 357

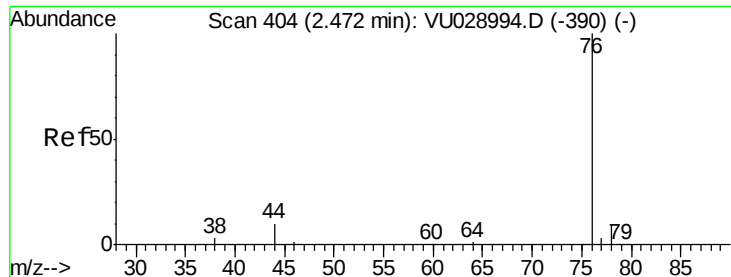
Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Tgt Ion:	43	Resp:	94750
Ion	Ratio	Lower	Upper
43	100		
58	34.1	28.6	42.8





#17

Carbon Disulfide

Concen: 17.045 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBSD01

Tot Ion: 76 Resp: 65820

Ion Ratio Lower Upper

76 100

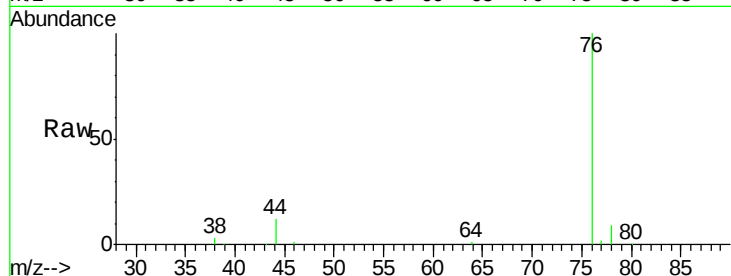
78 8.7 7.2 10.8

Manual Integrations

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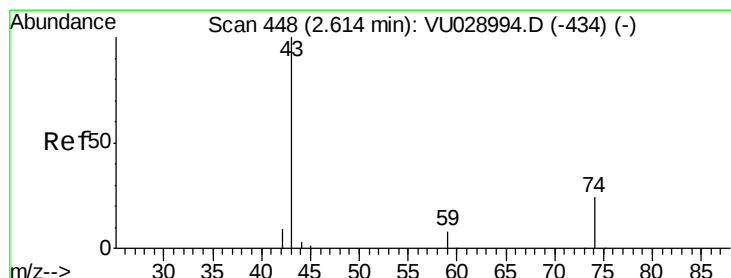
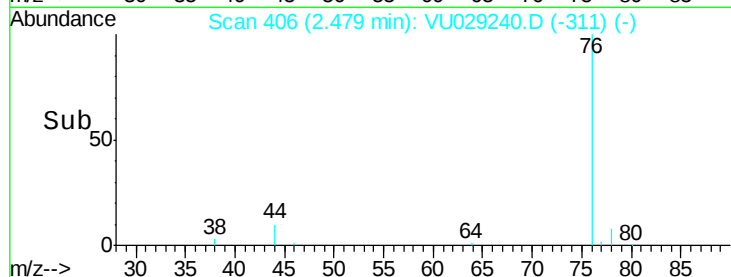
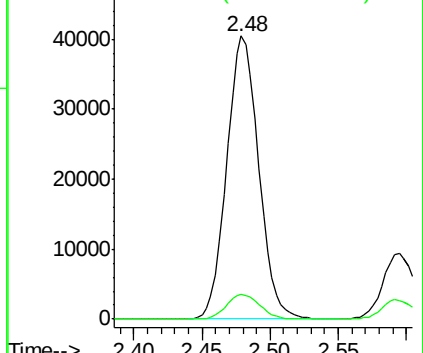
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 25.004 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029240.D

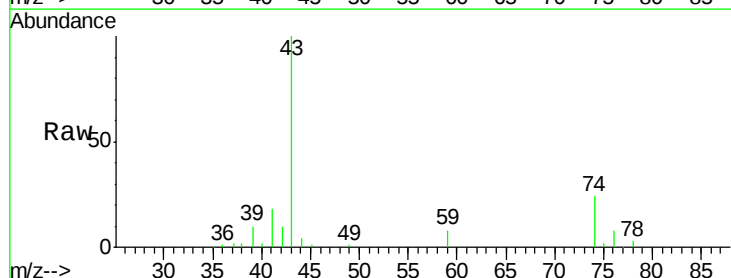
Acq: 21 Jan 2019 11:44

Tgt Ion: 43 Resp: 49833

Ion Ratio Lower Upper

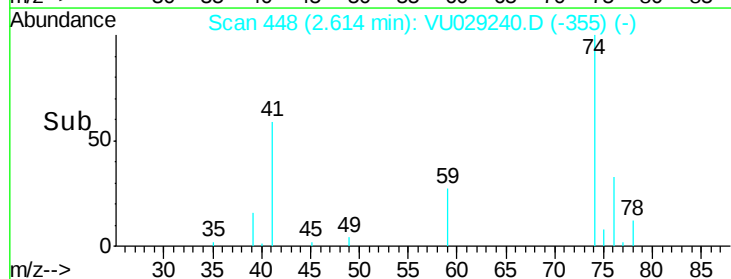
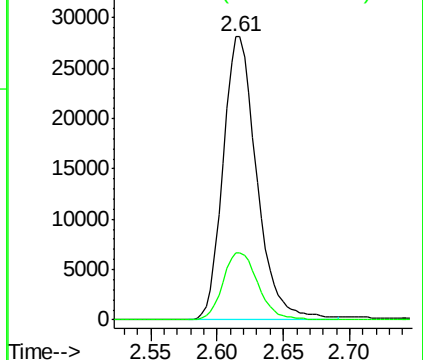
43 100

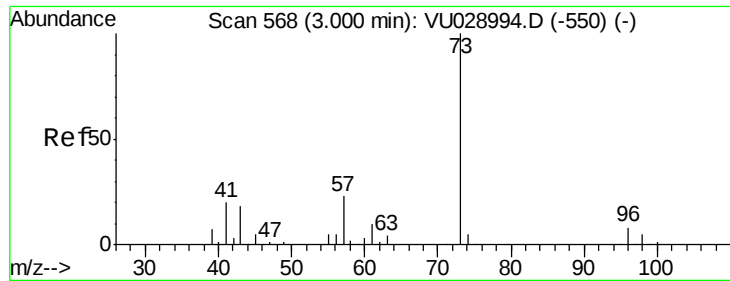
74 24.7 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





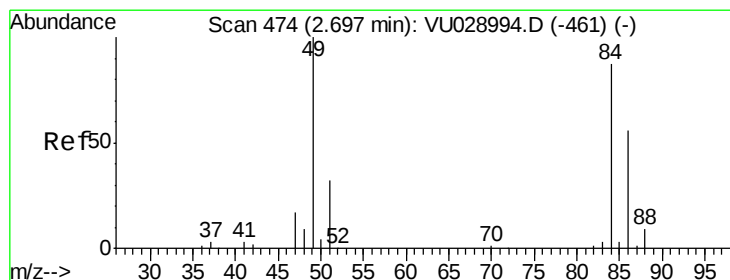
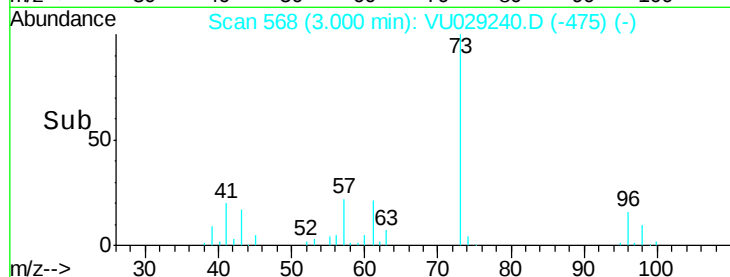
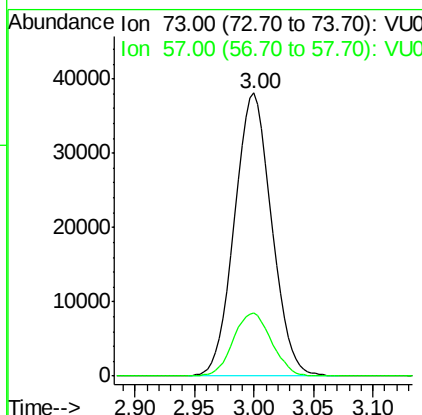
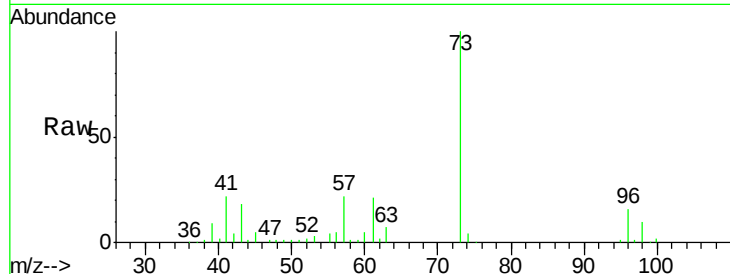
#19
Methvl tert-butvl Ether
Concen: 20.555 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBSD01

Tot Ion: 73 Resp: 82494
Ion Ratio Lower Upper
73 100
57 22.5 18.6 28.0

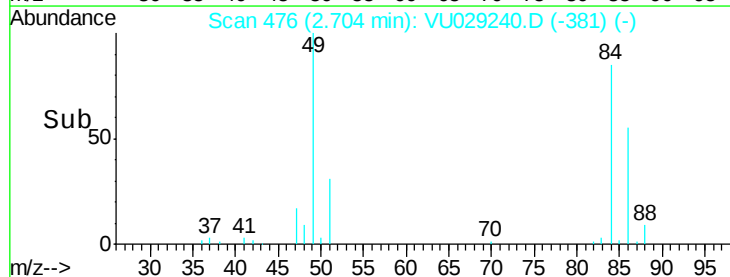
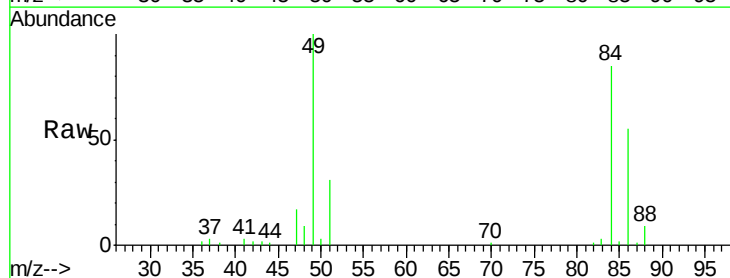
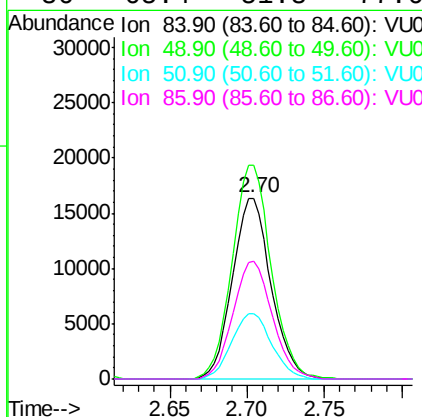
Manual Integrations
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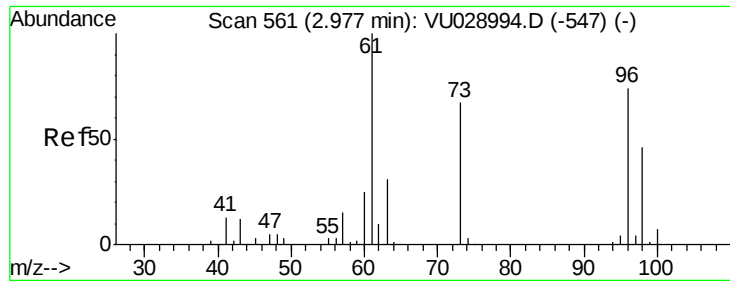
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#20
Methylene Chloride
Concen: 19.509 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Tgt Ion: 84 Resp: 28391
Ion Ratio Lower Upper
84 100
49 118.1 91.9 137.9
51 36.2 29.2 43.8
86 65.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 18.645 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.01 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Instrument :

MSVOA_U

ClientSampleID :

VU0121WBSD01

Tot Ion: 96 Resp: 24728

Ion Ratio Lower Upper

96 100

61 144.2 107.7 161.5

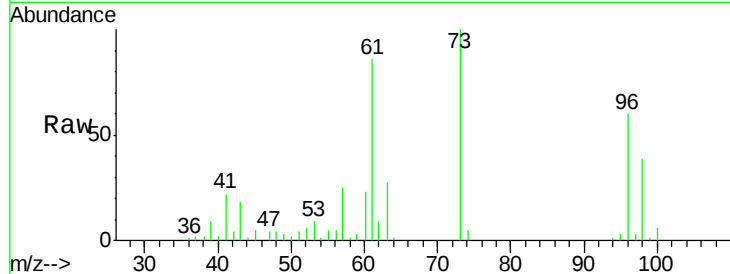
98 66.2 49.2 73.8

Manual Integrations

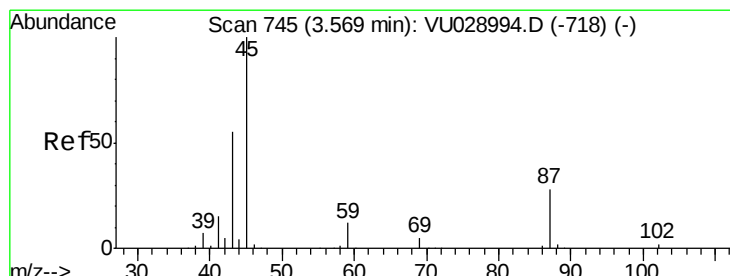
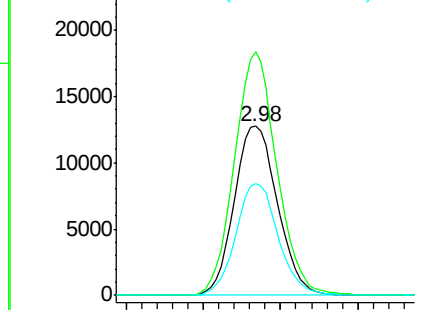
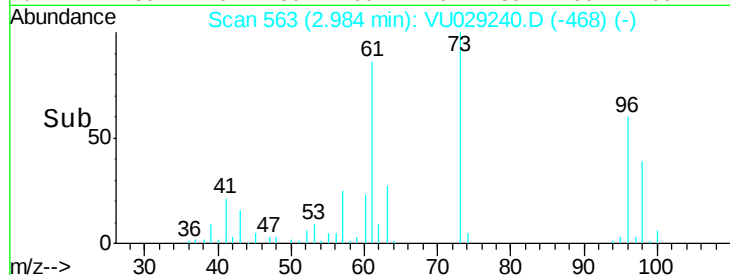
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Abundance Ion 95.90 (95.60 to 96.60): VU029240.D (-468) (-)



#22

Diisopropyl ether

Concen: 21.201 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Tgt Ion: 45 Resp: 87764

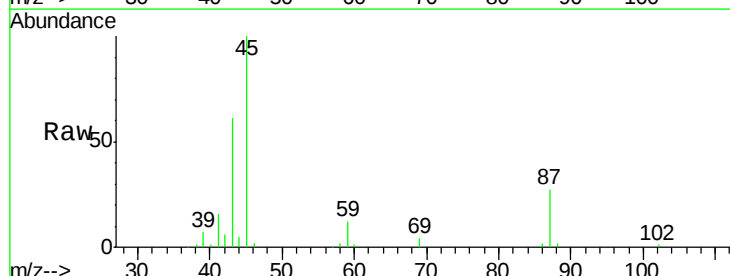
Ion Ratio Lower Upper

45 100

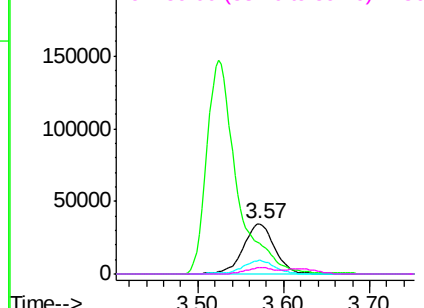
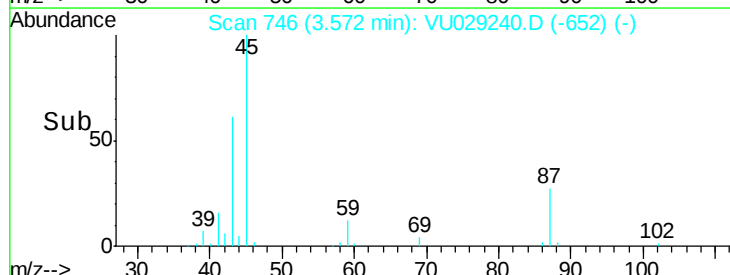
43 59.3 44.7 67.1

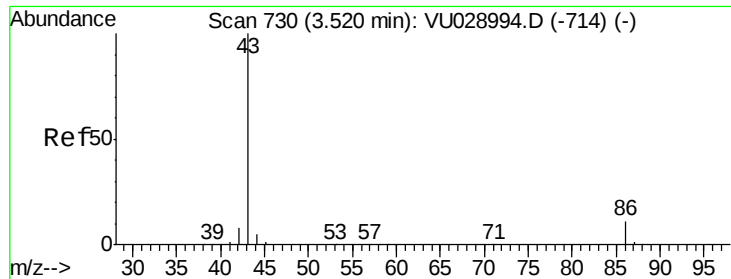
87 27.3 22.2 33.2

59 11.9 9.8 14.8



Abundance Ion 45.00 (44.70 to 45.70): VU029240.D (-652) (-)





#23

Vinyl Acetate

Concen: 106.261 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Tot Ion: 43 Resp: 359605

Ion Ratio Lower Upper

43 100

86 10.5 8.6 13.0

Instrument :

MSVOA_U

ClientSampleId :

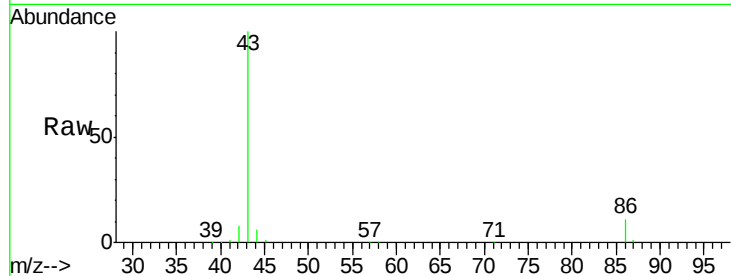
VU0121WBSD01

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

150000

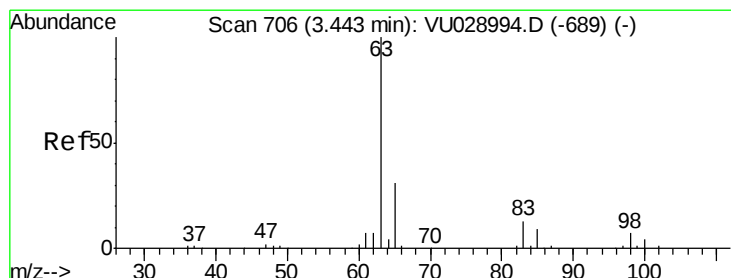
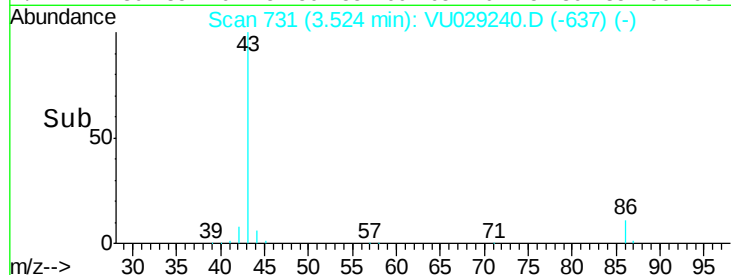
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 20.856 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

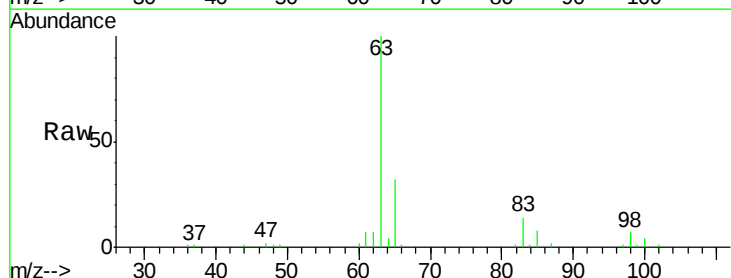
Tgt Ion: 63 Resp: 49840

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

30000

25000

20000

15000

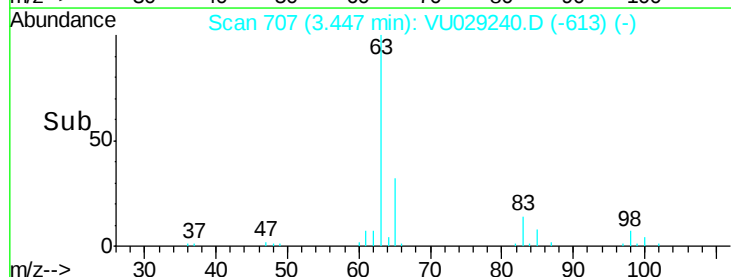
10000

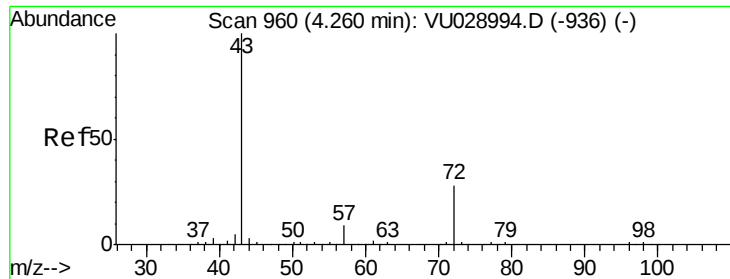
5000

0

3.35 3.40 3.45 3.50 3.55

Time-->





#25

2-Butanone

Concen: 116.631 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBSD01

Tot Ion: 43 Resp: 135025

Ion Ratio Lower Upper

43 100

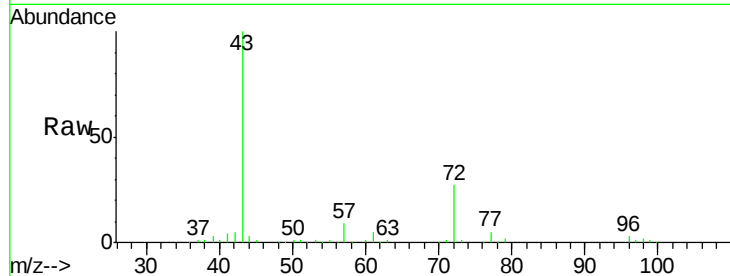
72 26.9 22.6 33.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

60000

50000

40000

30000

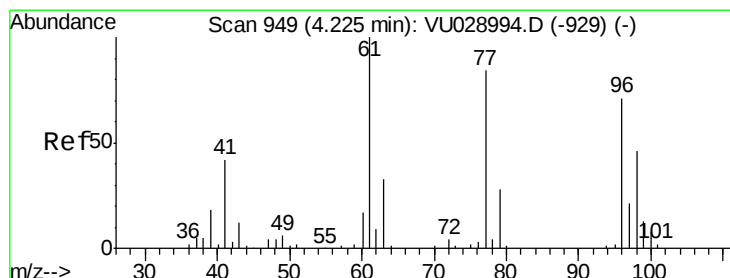
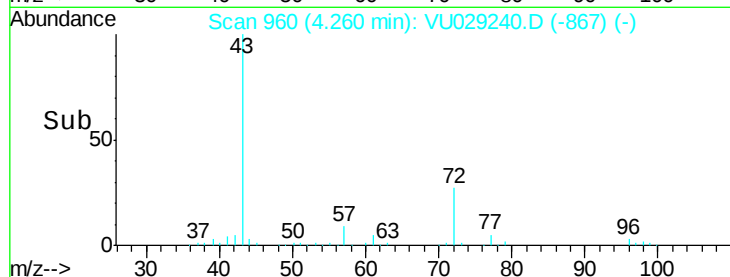
20000

10000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 20.849 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU029240.D

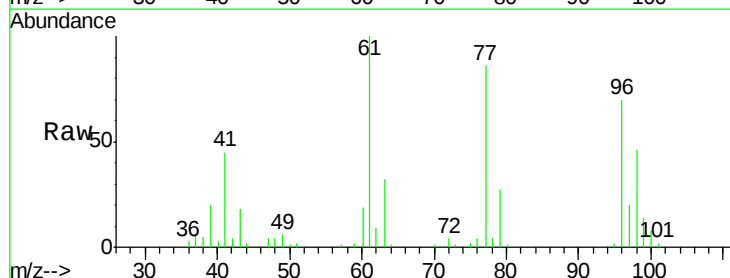
Acq: 21 Jan 2019 11:44

Tgt Ion: 77 Resp: 40257

Ion Ratio Lower Upper

77 100

97 23.5 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

15000

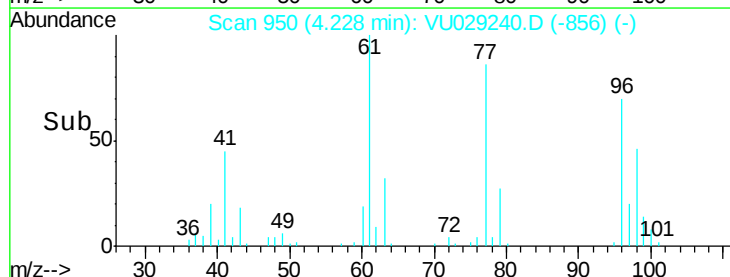
10000

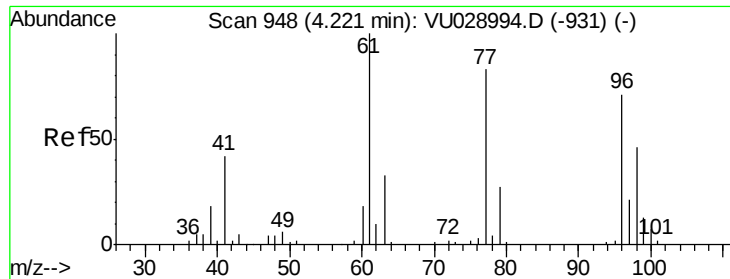
5000

0

4.15 4.20 4.25 4.30

Time-->





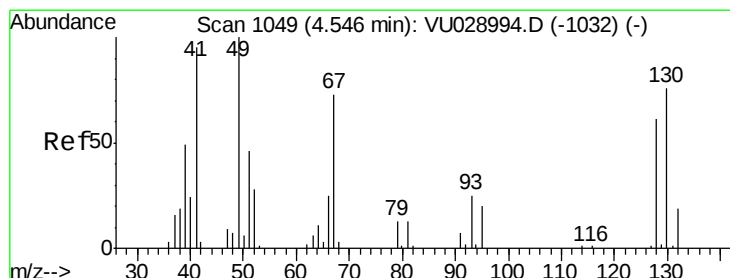
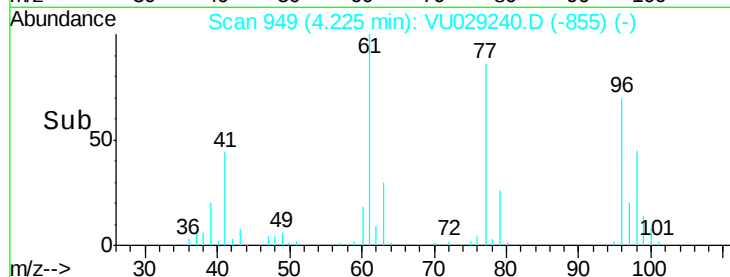
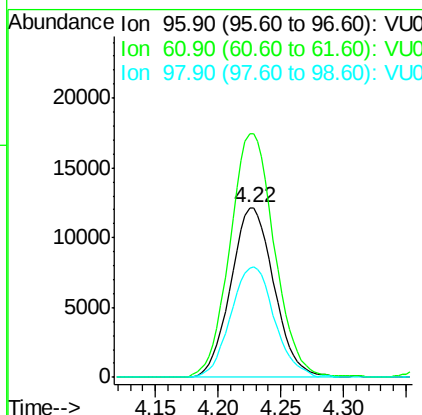
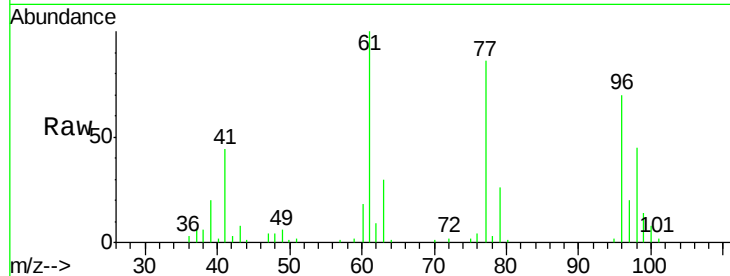
#27
 cis-1,2-Dichloroethene
 Concen: 20.064 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	29105		
61	147.6	0.0	285.6	
98	65.8	0.0	130.2	

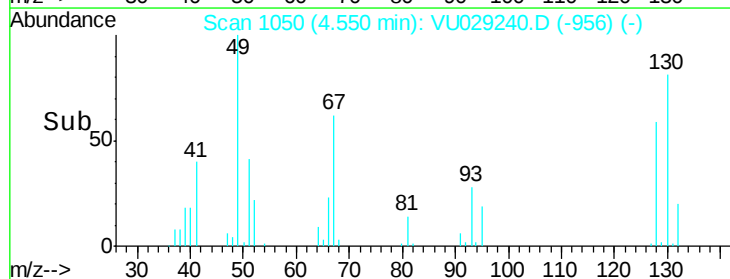
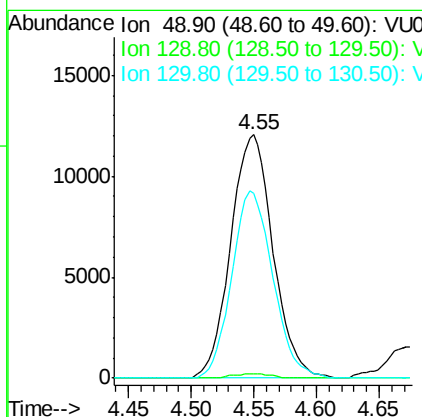
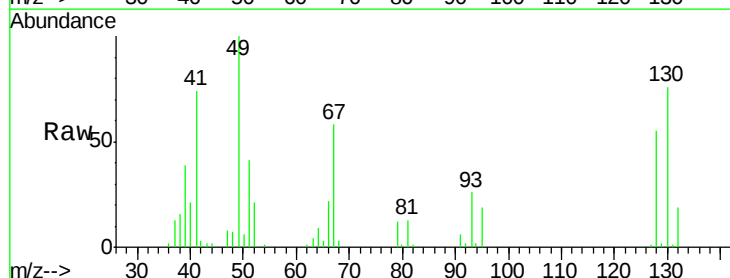
Manual Integrations
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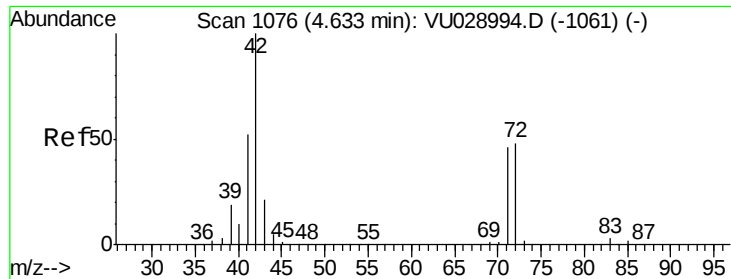
MMDadoda
 1/22/2019 10:40:17 AM



#28
 Bromochloromethane
 Concen: 27.646 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	28289		
129	1.6	0.0	3.4	
130	74.6	62.9	94.3	





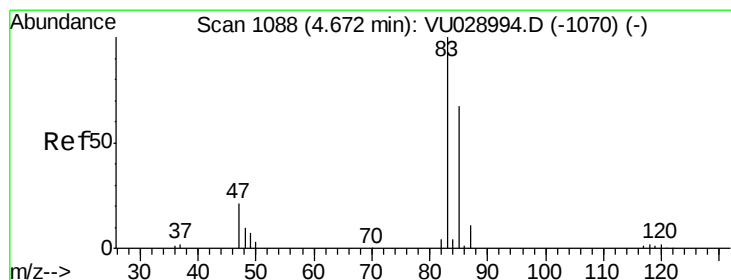
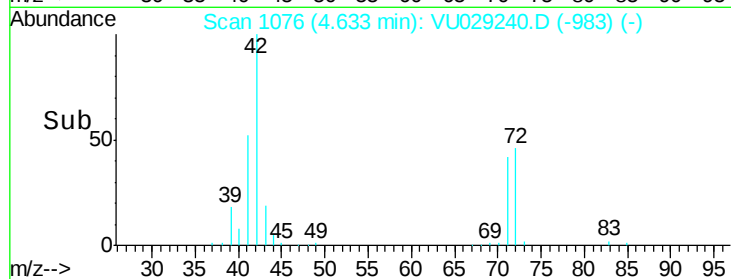
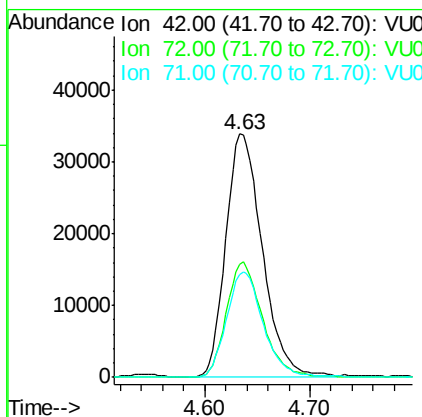
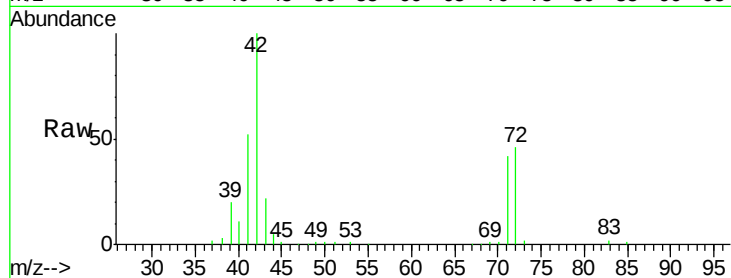
#29
Tetrahydrofuran
Concen: 116.273 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	38.3	57.5
71	43.4	36.1	54.1

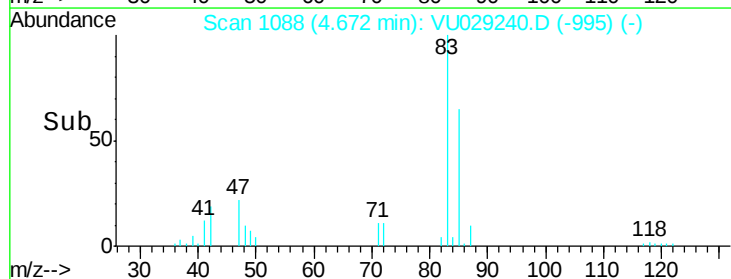
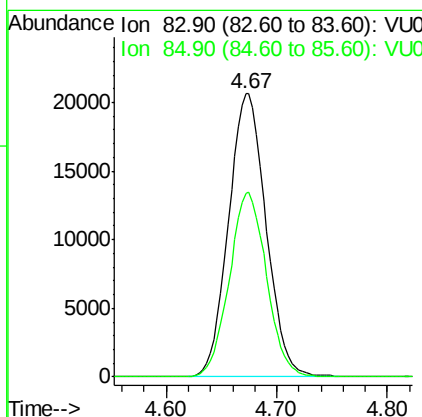
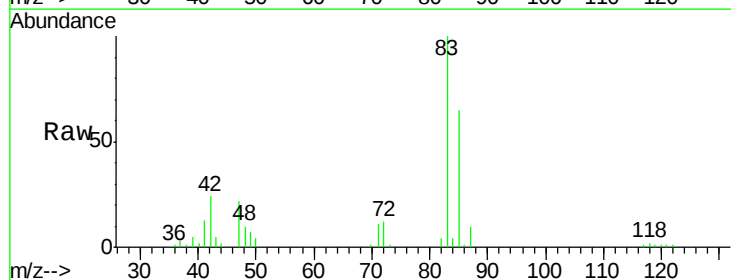
Manual Integrations
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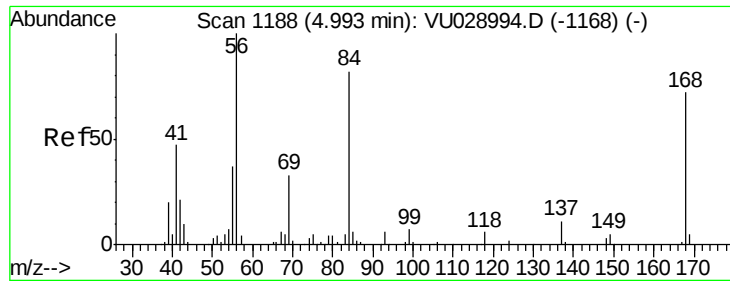
MMDadoda
1/22/2019 10:40:17 AM



#30
Chloroform
Concen: 21.365 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	53.4	80.0





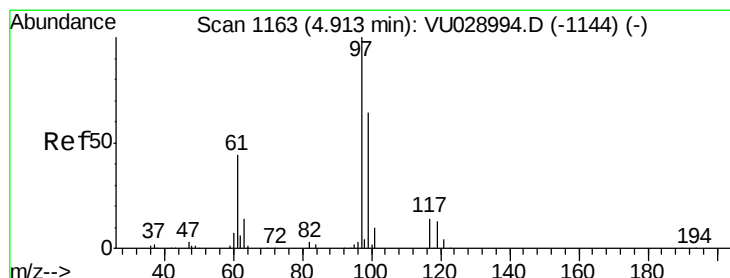
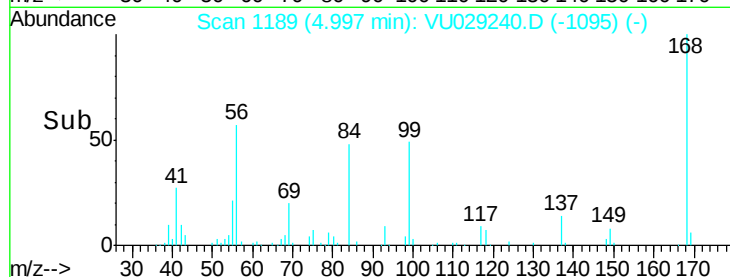
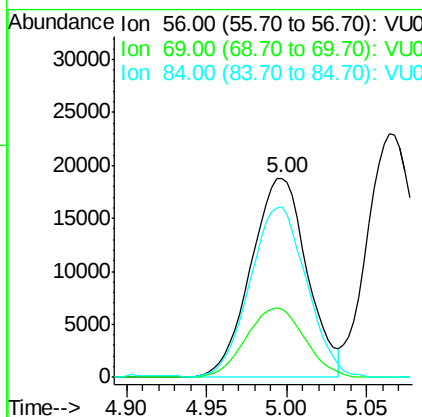
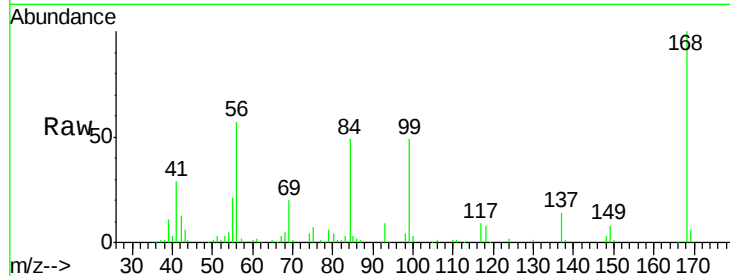
#31
Cyclohexane
Concen: 19.565 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	26.7	40.1
84	85.7	65.7	98.5

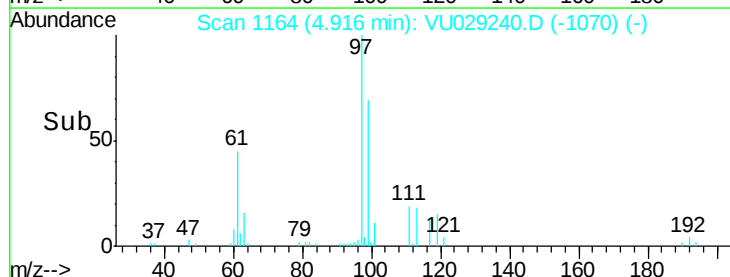
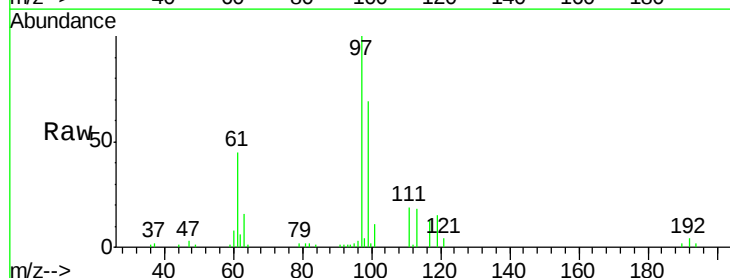
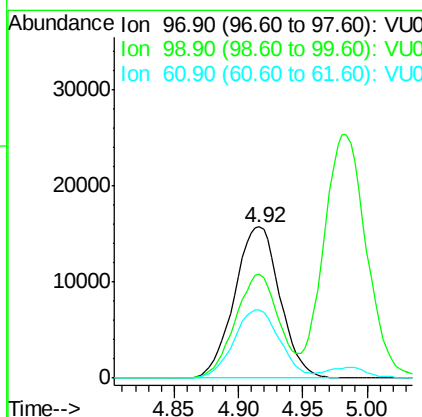
Manual Integrations
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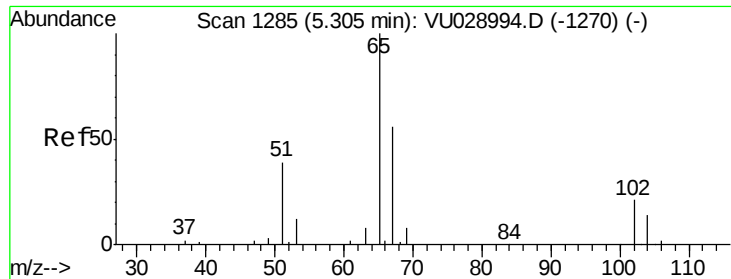
MMDadoda
1/22/2019 10:40:17 AM



#32
1,1,1-Trichloroethane
Concen: 20.459 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.0	76.4
61	45.8	34.4	51.6





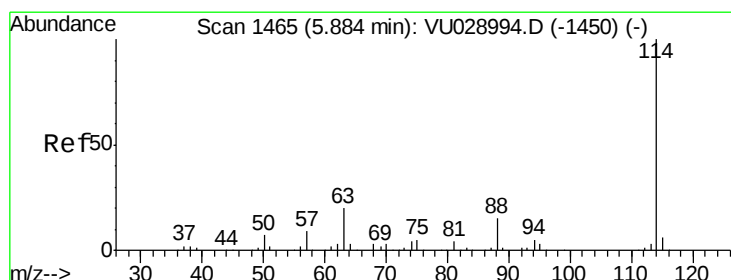
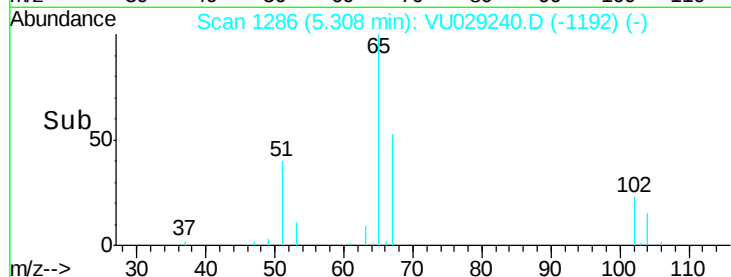
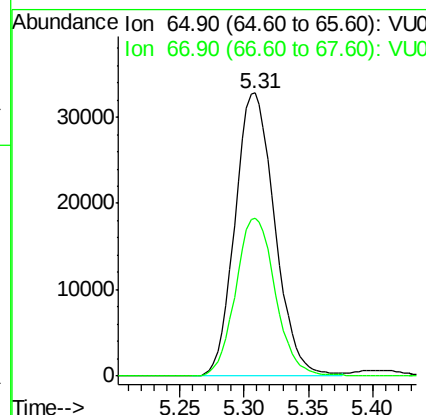
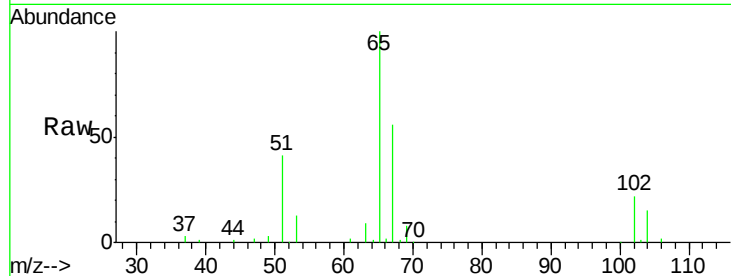
#33
 1,2-Dichloroethane-d4
 Concen: 51.779 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	111.0

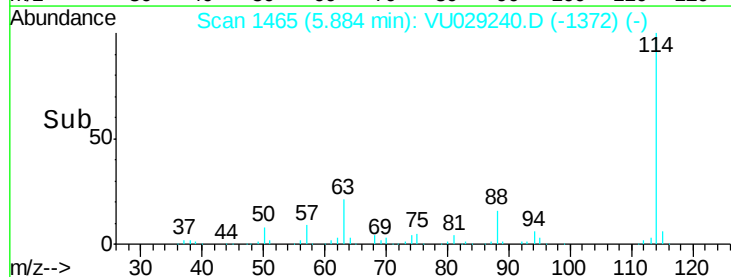
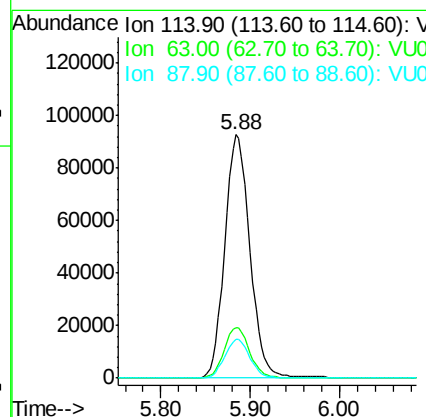
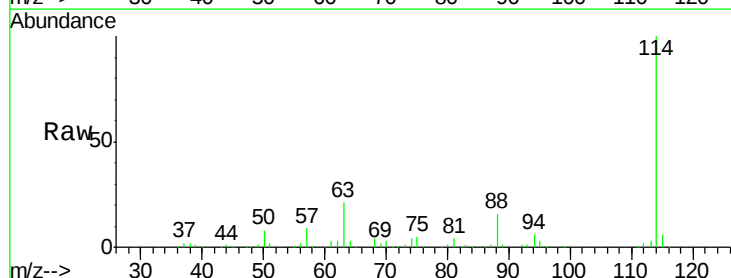
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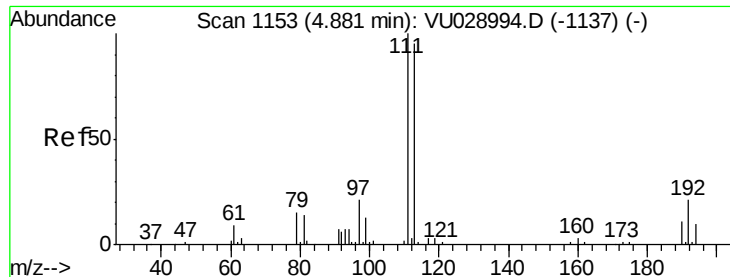
MMDadoda
 1/22/2019 10:40:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.2
88	16.0	0.0	30.4





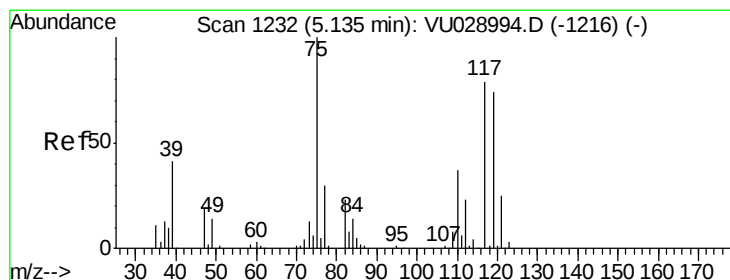
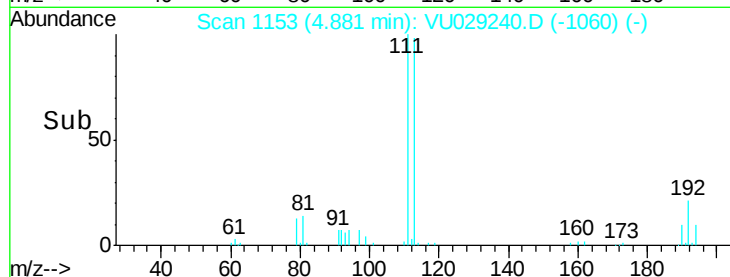
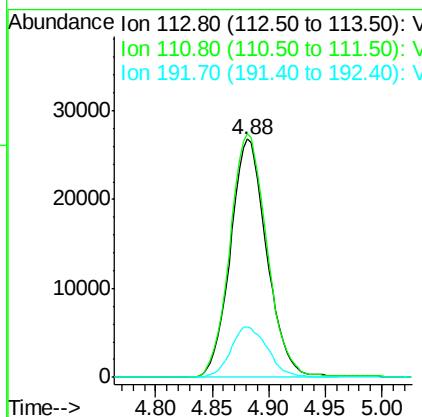
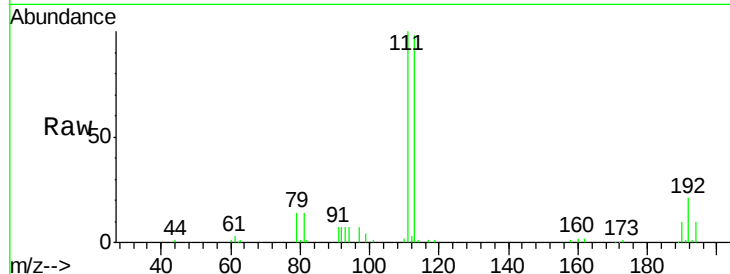
#35
 Dibromofluoromethane
 Concen: 50.839 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.4	122.2
192	21.5	16.8	25.2

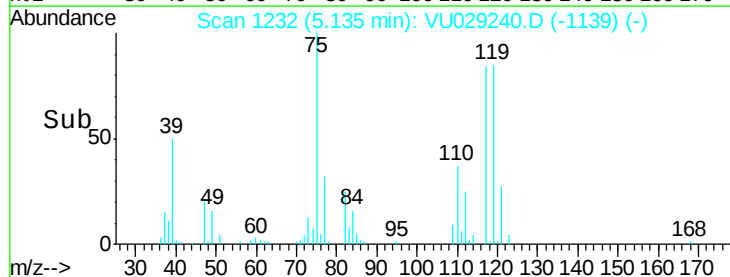
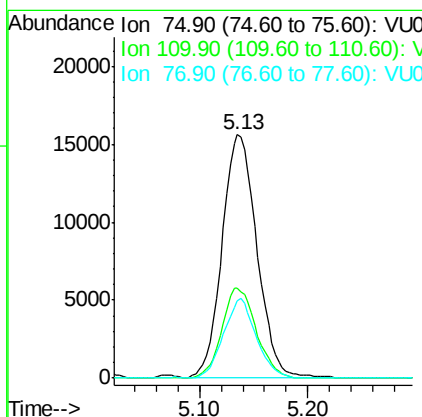
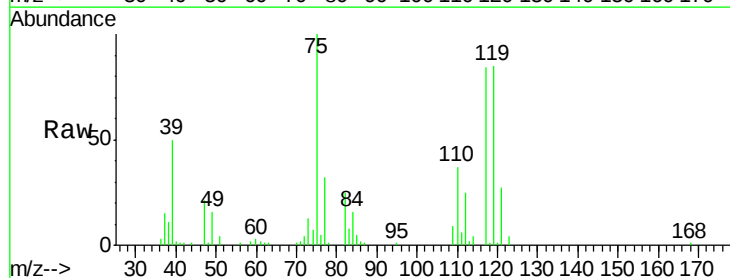
Manual Integrations
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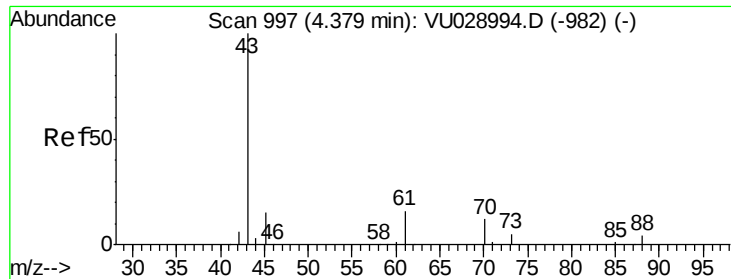
MMDadoda
 1/22/2019 10:40:17 AM



#36
 1,1-Dichloropropene
 Concen: 19.354 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.4	55.4
77	30.6	25.1	37.7





#37

Ethyl Acetate

Concen: 22.379 ug/l

RT: 4.38 min Scan# 997

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Instrument :

MSVOA_U

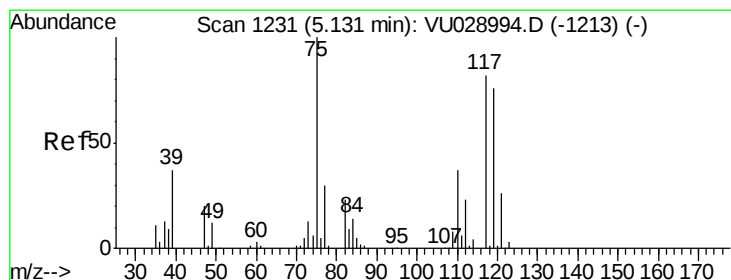
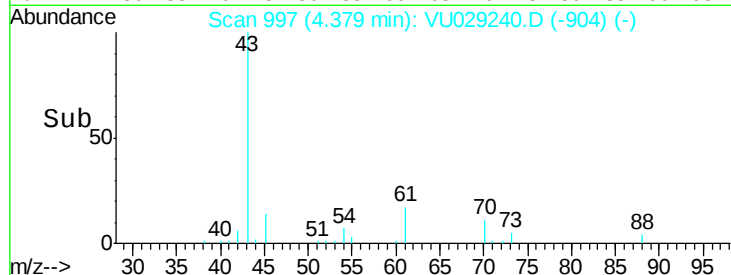
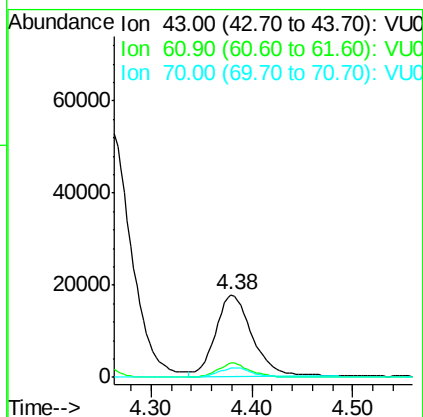
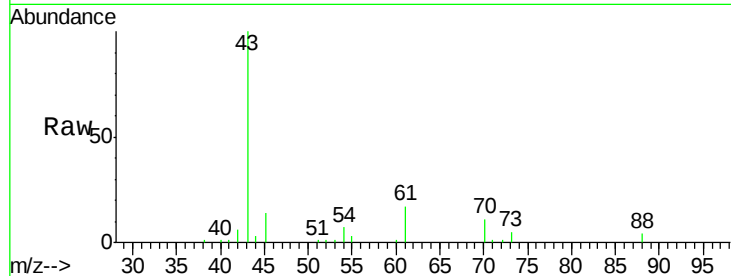
ClientSampleID :

VU0121WBSD01

Tot Ion:	43	Resp:	44587
Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.6	18.8
70	10.7	9.3	13.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 20.538 ug/l

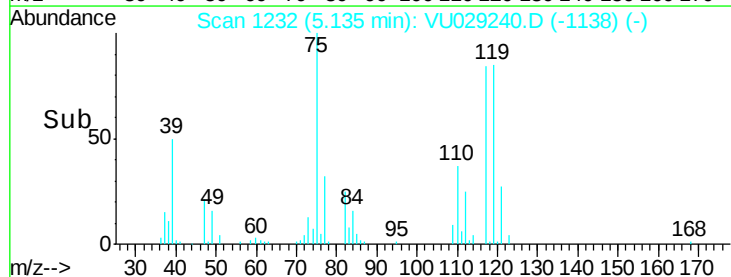
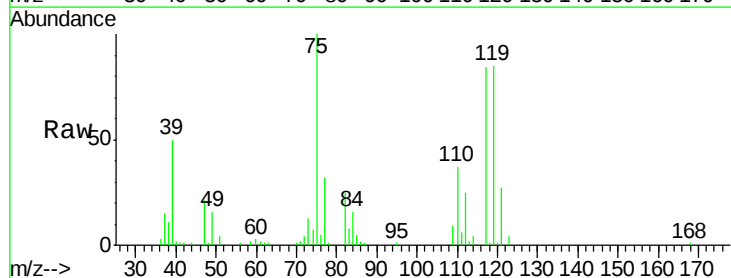
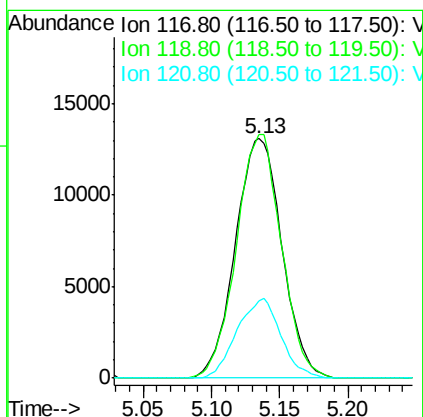
RT: 5.13 min Scan# 1232

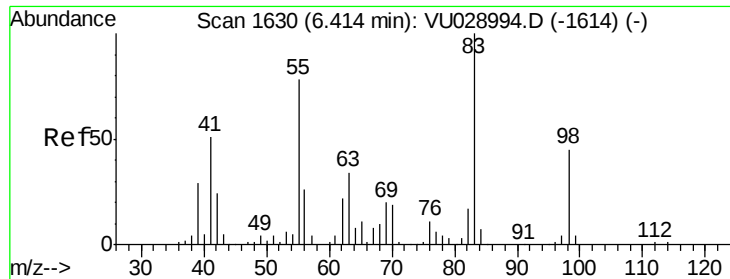
Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Tgt Ion:	117	Resp:	31092
Ion	Ratio	Lower	Upper
117	100		
119	101.6	74.6	111.8
121	32.2	25.0	37.6





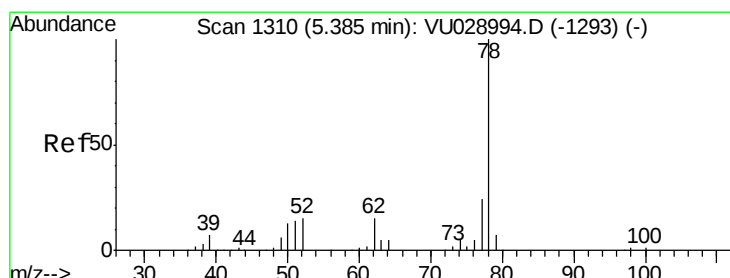
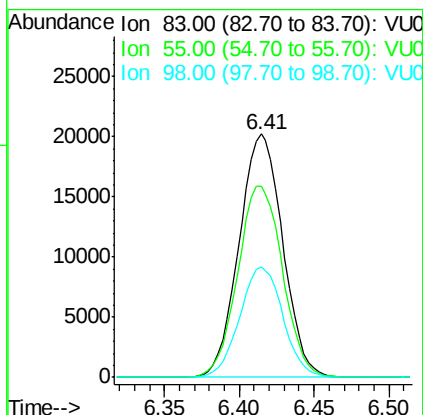
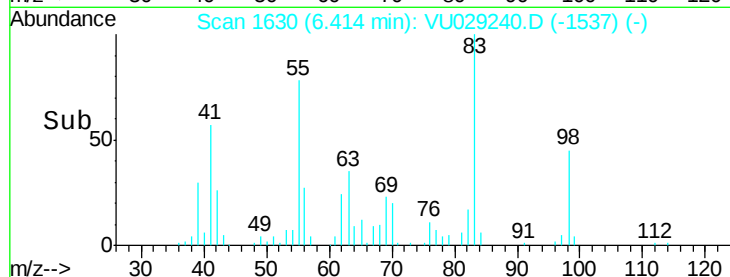
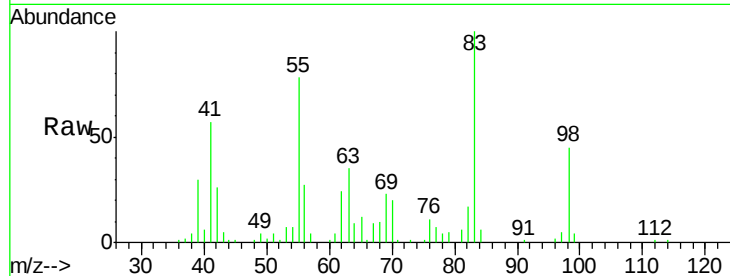
#39
Methylvlcvclohexane
Concen: 18.346 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	62.4	93.6
98	45.2	36.2	54.2

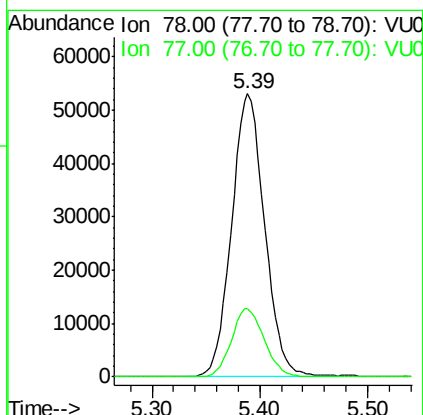
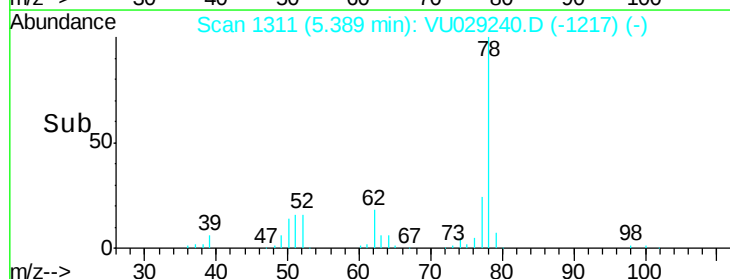
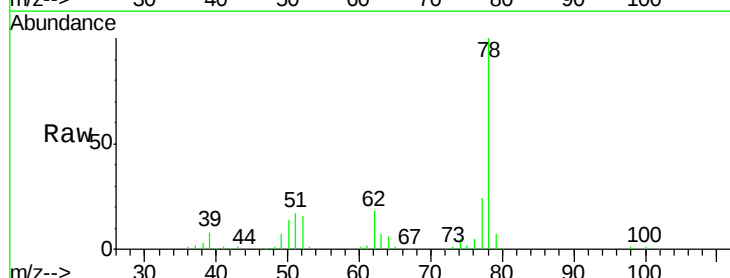
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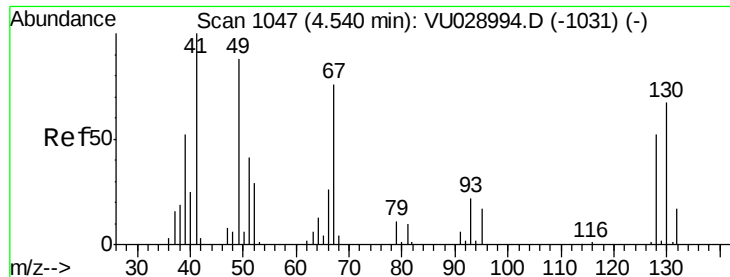
MMDadoda
1/22/2019 10:40:17 AM



#40
Benzene
Concen: 19.981 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.9	28.3





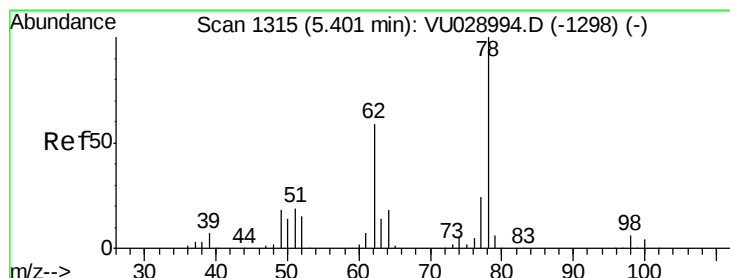
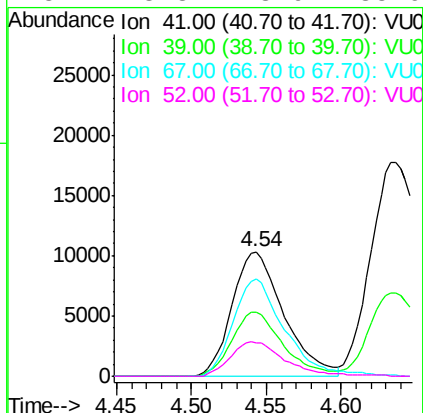
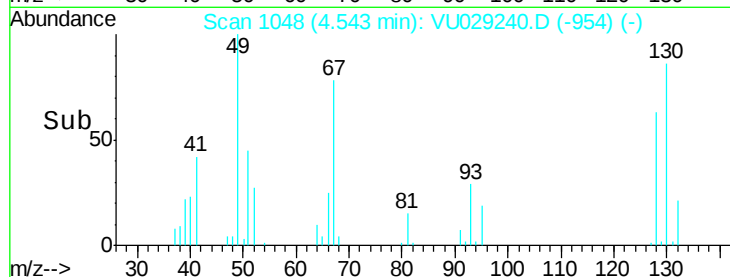
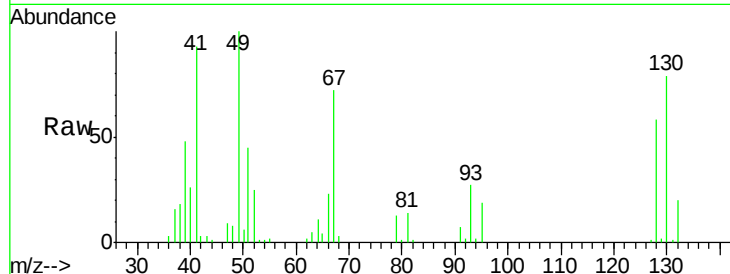
#41
Methacrylonitrile
Concen: 23.247 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.9	42.3	63.5	
67	78.0	64.4	96.6	
52	28.8	23.9	35.9	

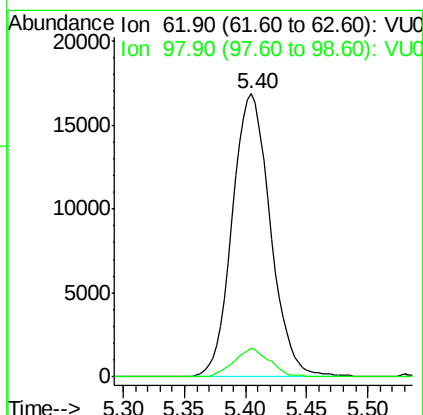
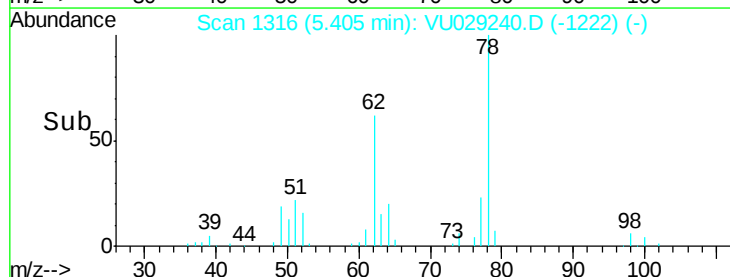
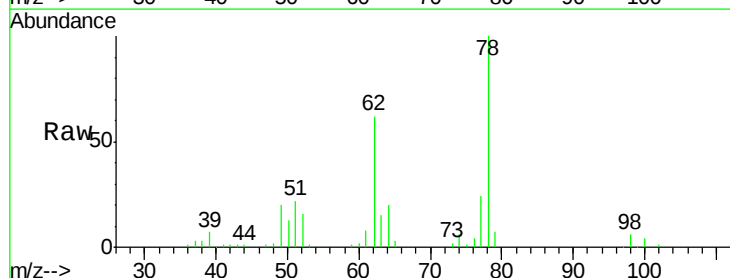
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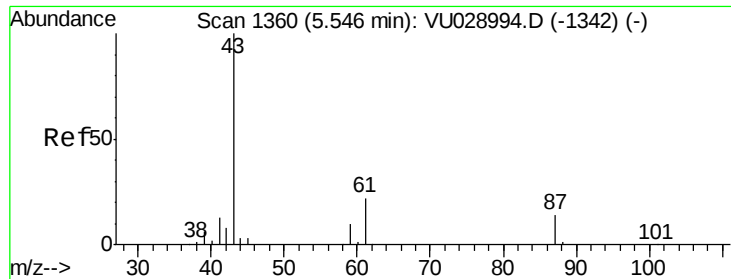
MMDadoda
1/22/2019 10:40:17 AM



#42
1,2-Dichloroethane
Concen: 21.481 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	19.6	





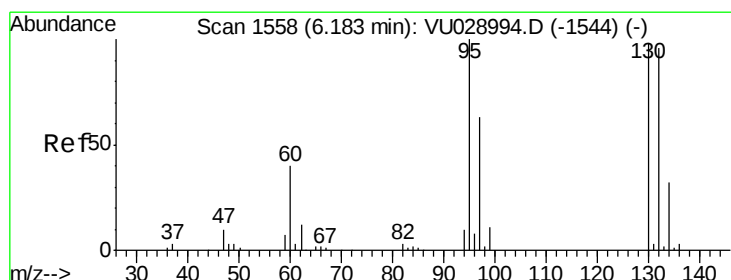
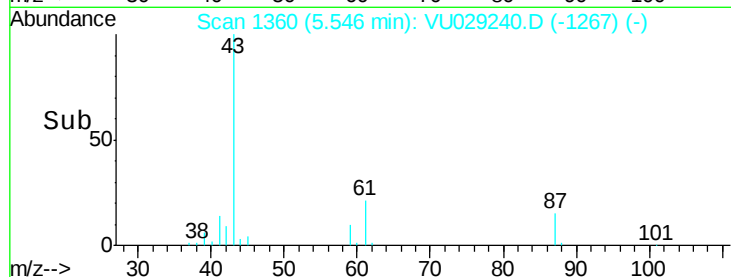
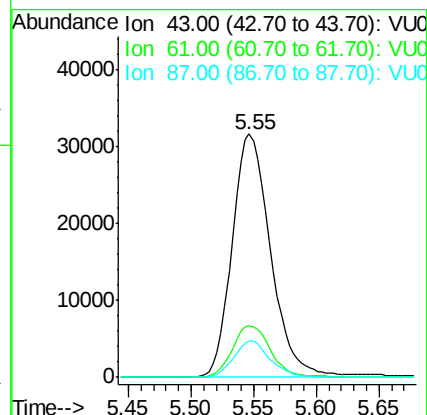
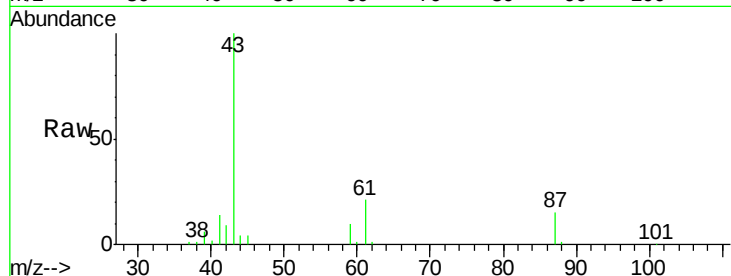
#43
Isopropyl Acetate
Concen: 22.055 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.8	26.6
87	14.0	11.3	16.9

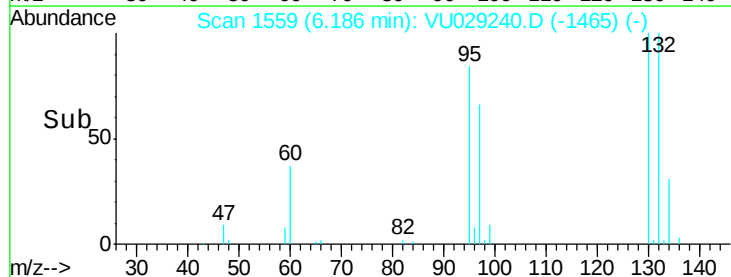
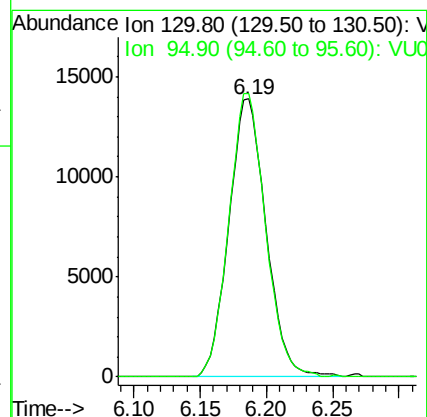
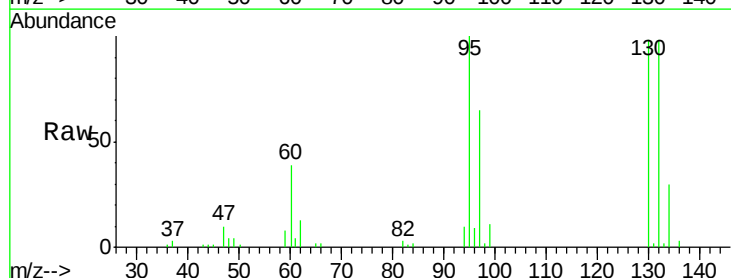
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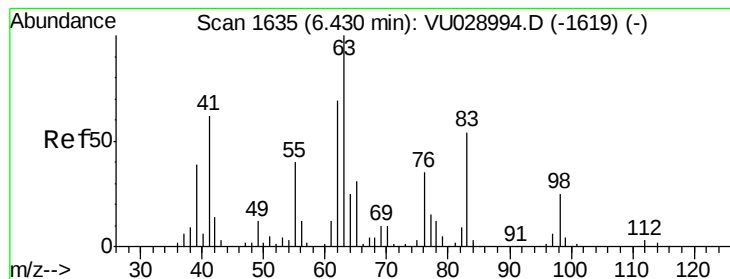
MMDadoda
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#44
Trichloroethene
Concen: 19.357 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	205.0





#45

1,2-Dichloropropane

Concen: 21.206 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBSD01

Tot Ion: 63 Resp: 31707

Ion Ratio Lower Upper

63 100

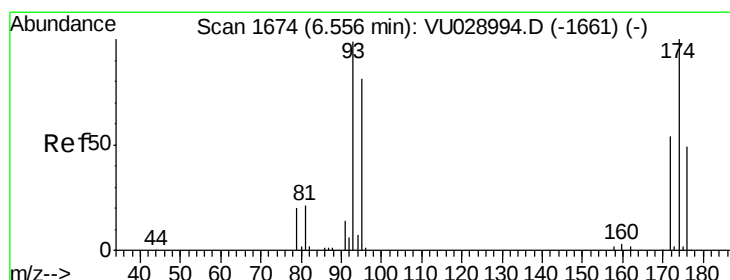
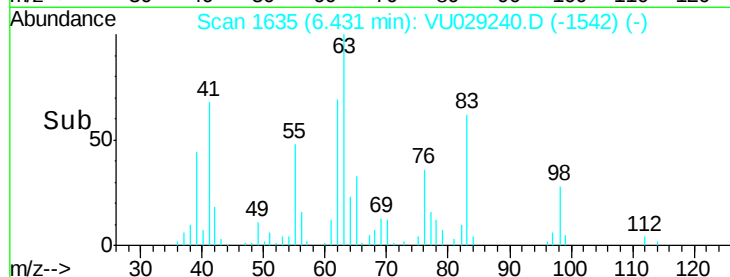
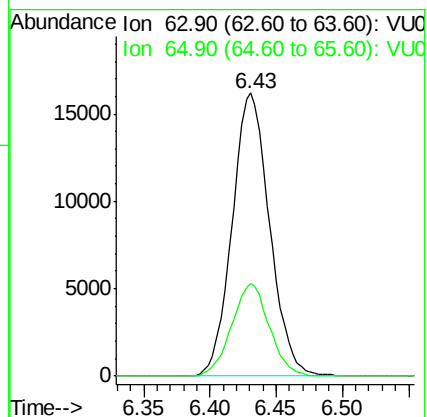
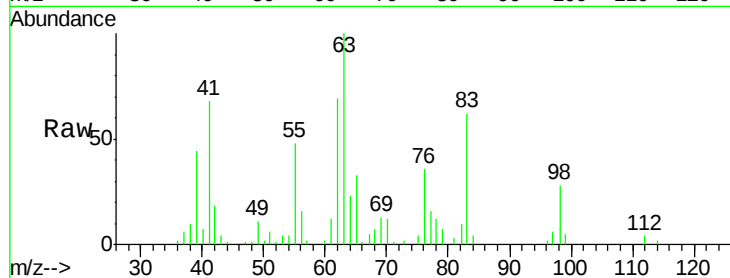
65 32.7 25.1 37.7

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#46

Dibromomethane

Concen: 20.591 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

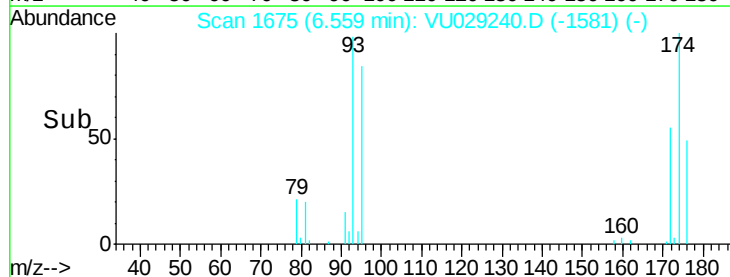
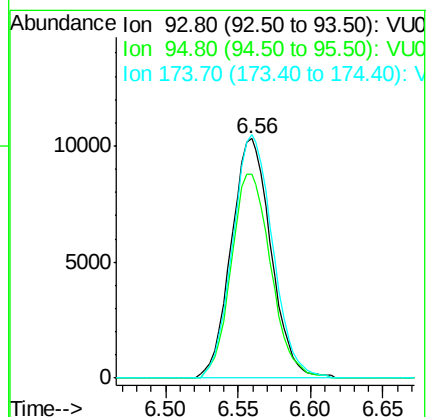
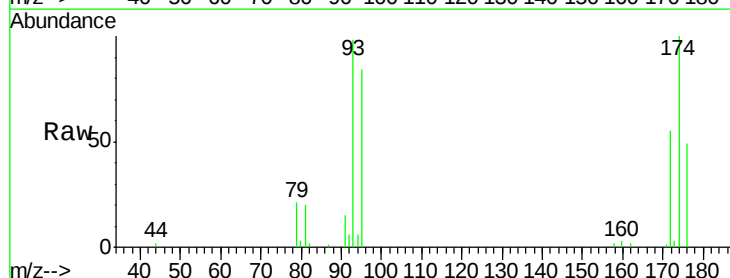
Tgt Ion: 93 Resp: 19681

Ion Ratio Lower Upper

93 100

95 85.0 67.2 100.8

174 102.2 82.6 123.8





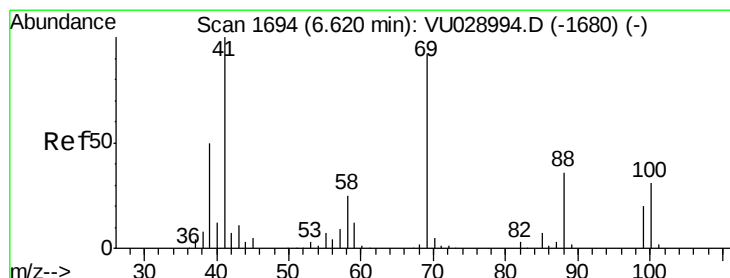
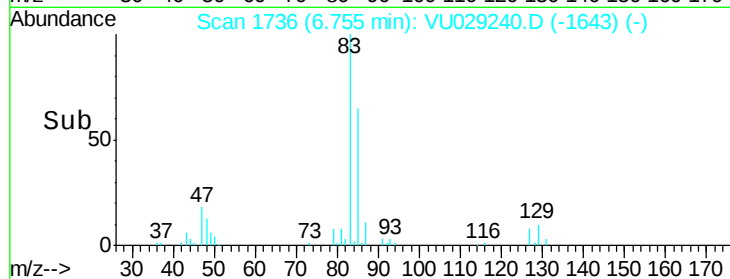
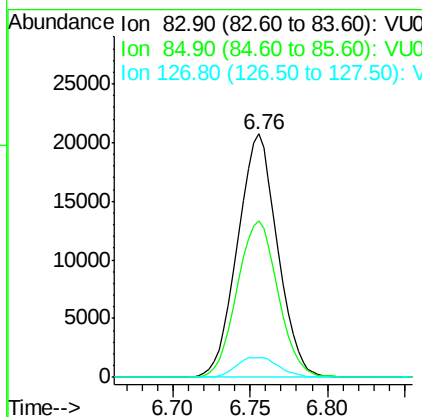
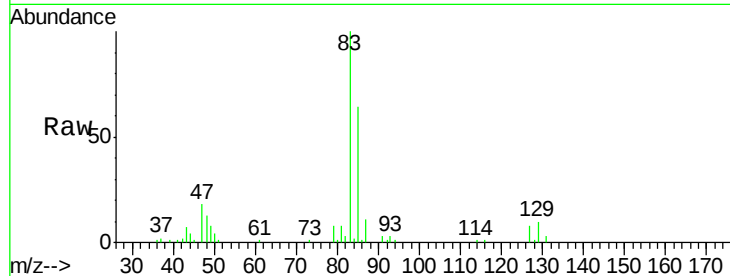
#47
Bromodichloromethane
Concen: 21.213 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBSD01

Tot Ion	83	Resp	37331
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.4	77.2
127	8.2	7.0	10.4

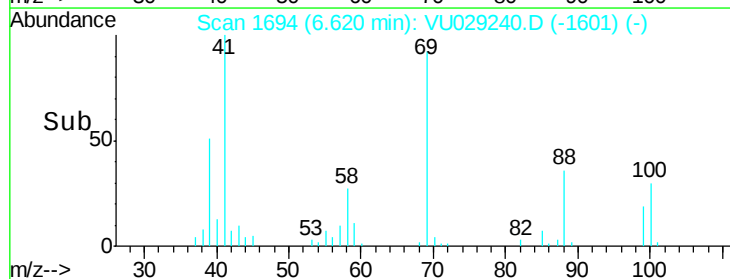
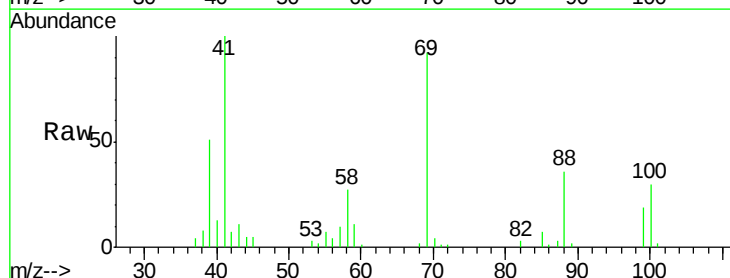
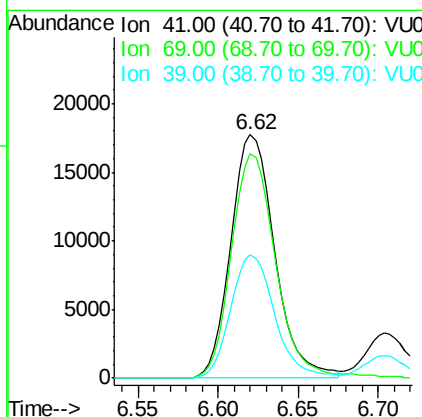
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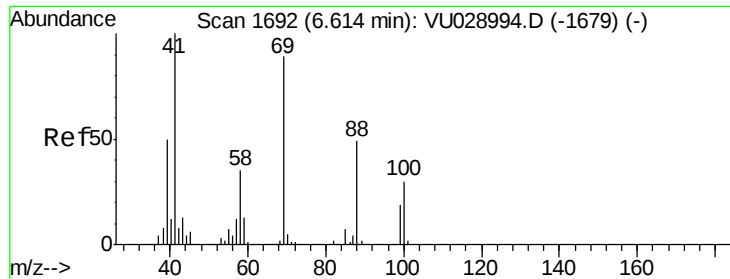
MMDadoda
1/22/2019 10:40:17 AM



#48
Methyl methacrylate
Concen: 22.390 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Tgt Ion	41	Resp	33320
Ion Ratio	100	Lower	Upper
41	100		
69	93.2	73.6	110.4
39	50.8	39.6	59.4





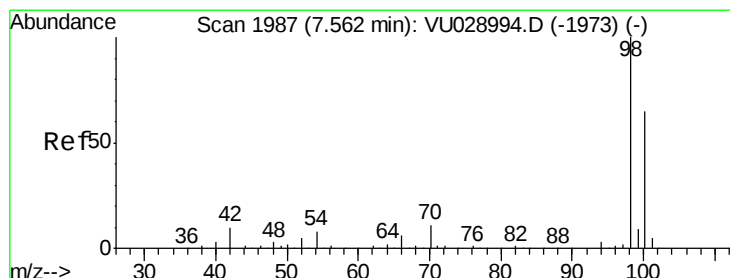
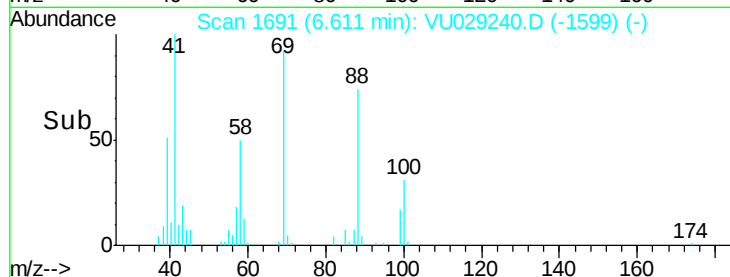
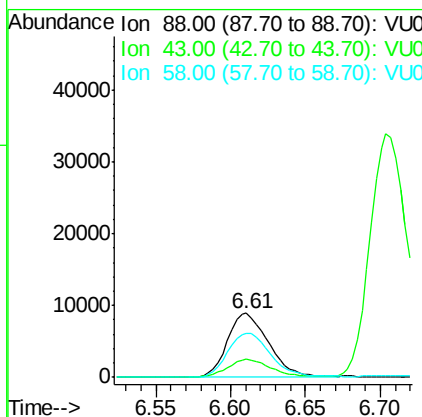
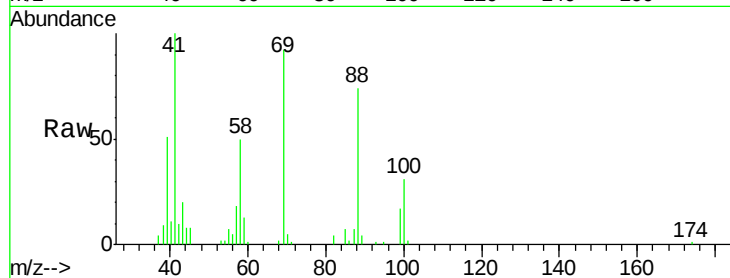
#49
1,4-Dioxane
Concen: 489.429 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.9	23.0	34.4
58	72.0	57.9	86.9

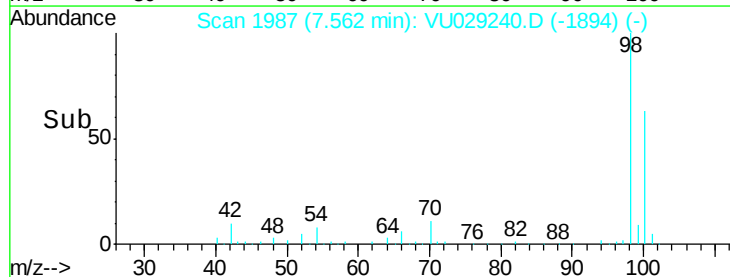
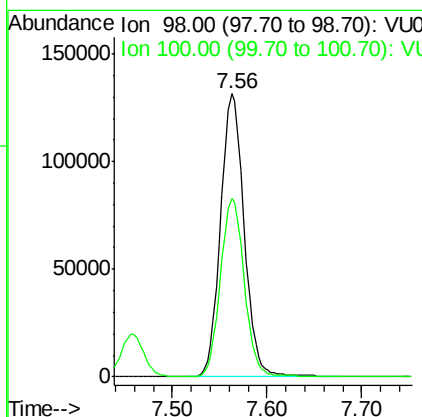
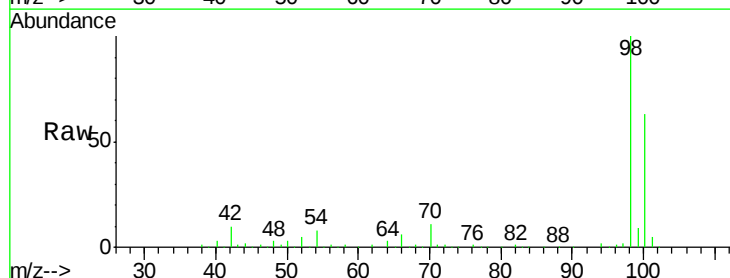
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#50
Toluene-d8
Concen: 49.314 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 112.890 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBSD01

Tot Ion: 43 Resp: 234809

Ion Ratio Lower Upper

43 100

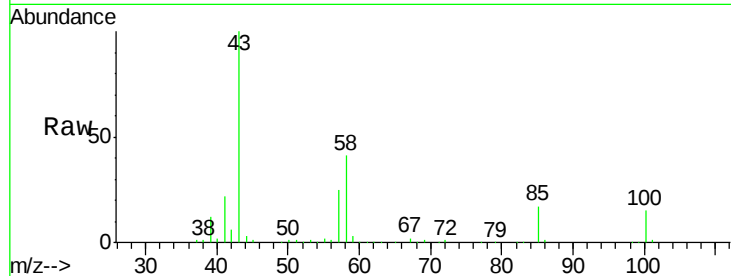
58 41.2 33.9 50.9

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

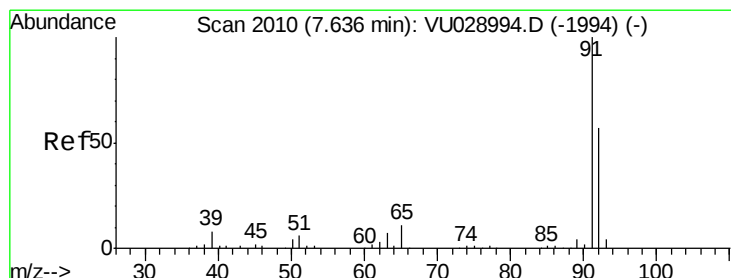
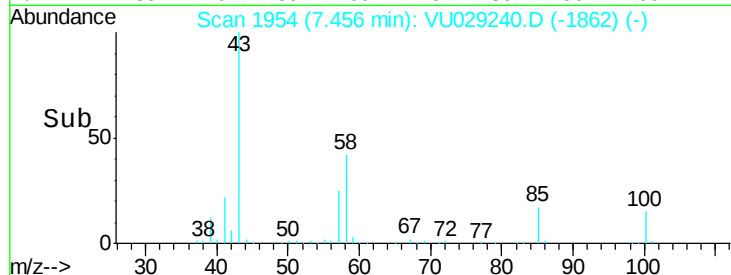
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.900 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029240.D

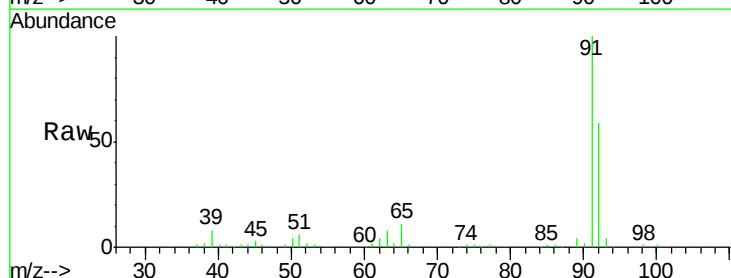
Acq: 21 Jan 2019 11:44

Tgt Ion: 92 Resp: 68589

Ion Ratio Lower Upper

92 100

91 172.6 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

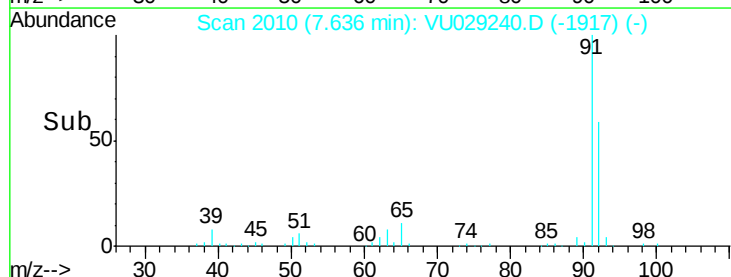
60000

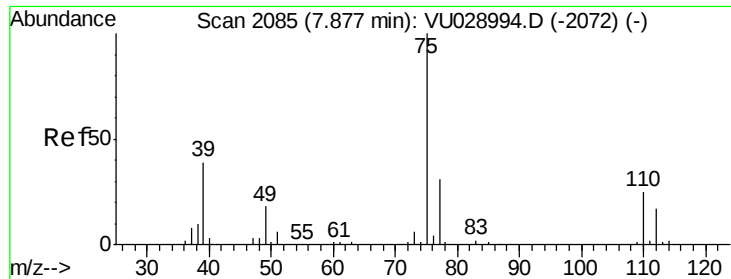
40000

20000

0

Time-->





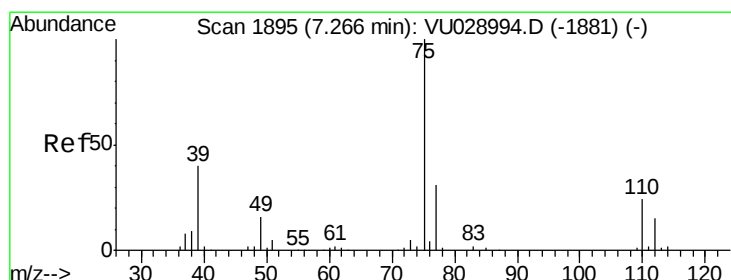
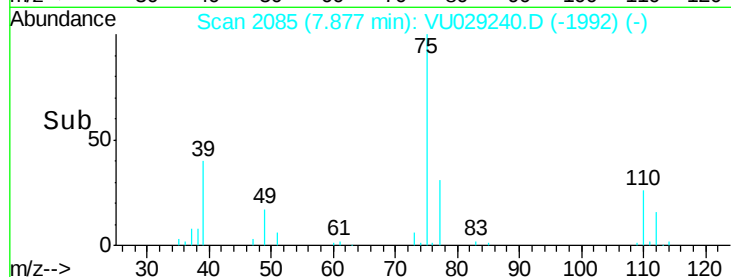
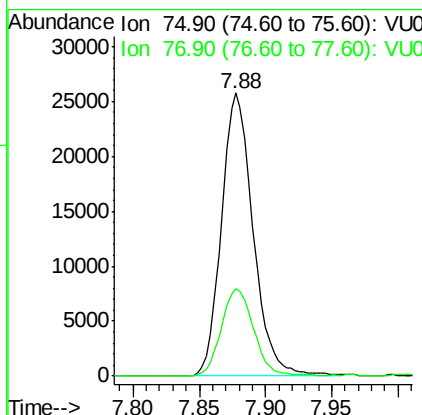
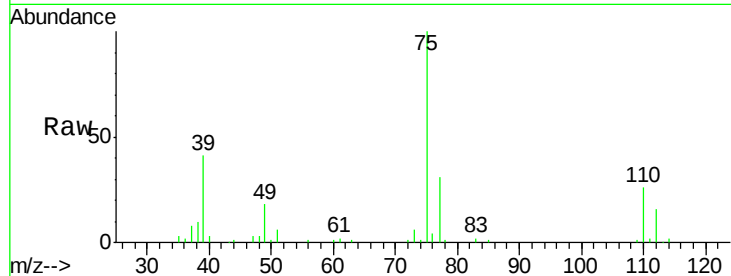
#53
t-1,3-Dichloropropene
Concen: 20.255 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBSD01

Tot Ion: 75 Resp: 42819
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.4

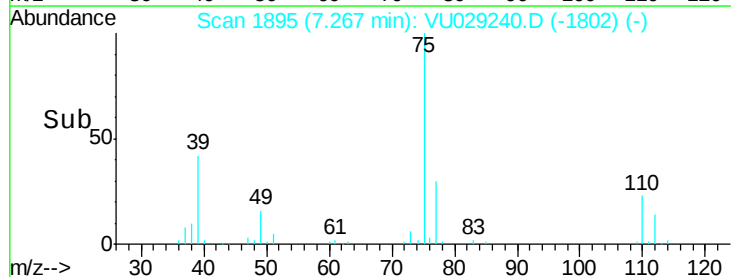
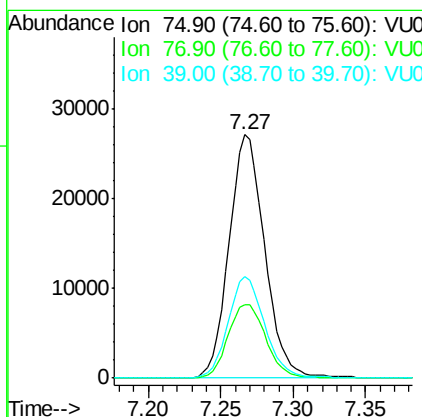
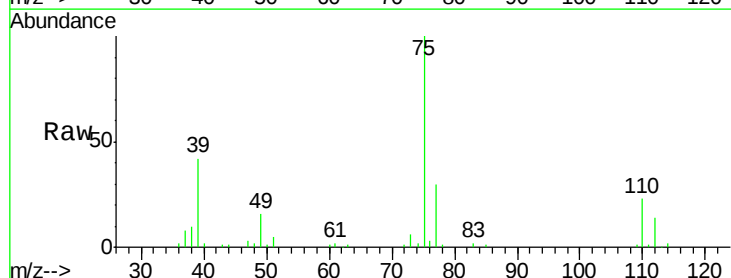
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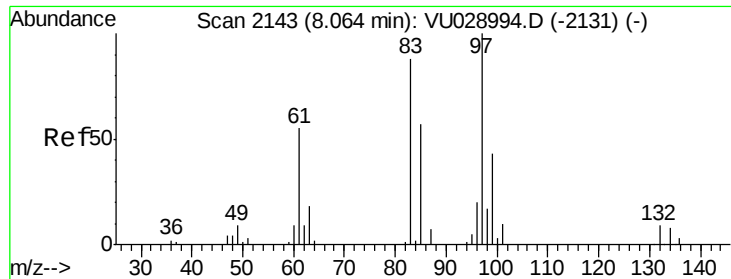
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#54
cis-1,3-Dichloropropene
Concen: 20.271 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Tgt Ion: 75 Resp: 46305
Ion Ratio Lower Upper
75 100
77 30.3 25.0 37.6
39 41.6 32.2 48.4





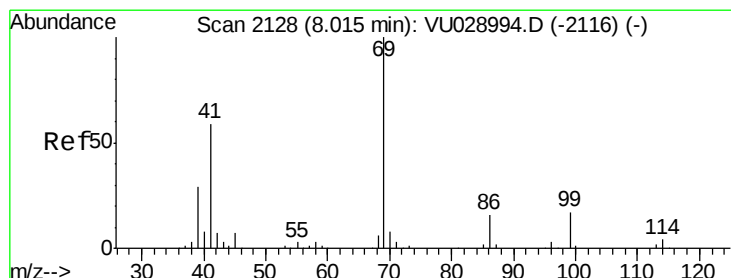
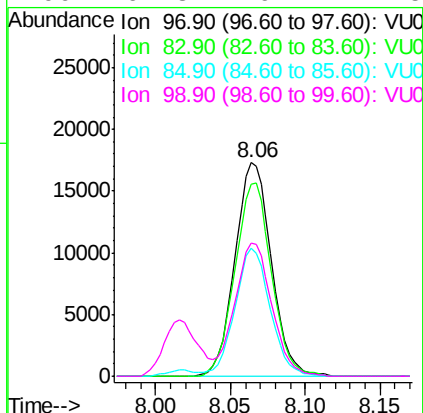
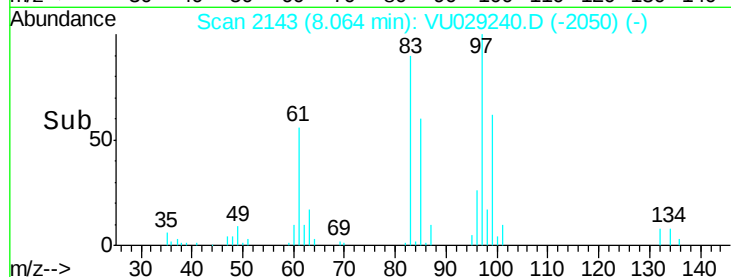
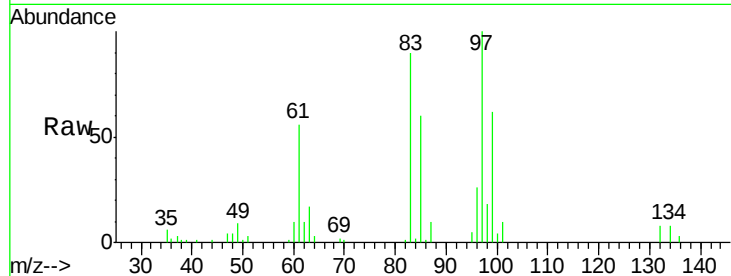
#55
 1,1,2-Trichloroethane
 Concen: 21.253 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBSD01

Tot Ion:	97	Resp:	29347
Ion	Ratio	Lower	Upper
97	100		
83	90.0	69.8	104.8
85	59.8	47.3	70.9
99	62.3	49.7	74.5

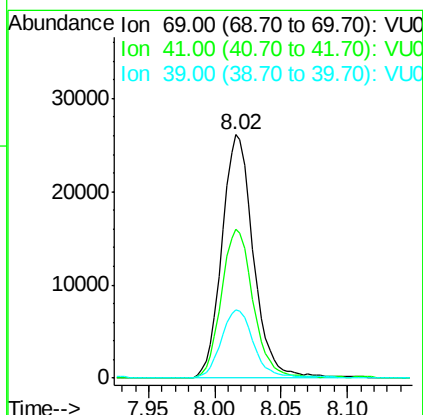
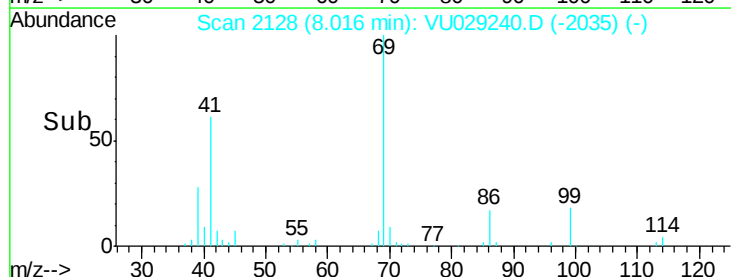
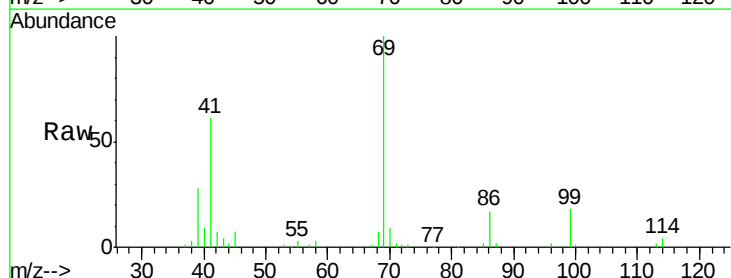
Manual Integrations
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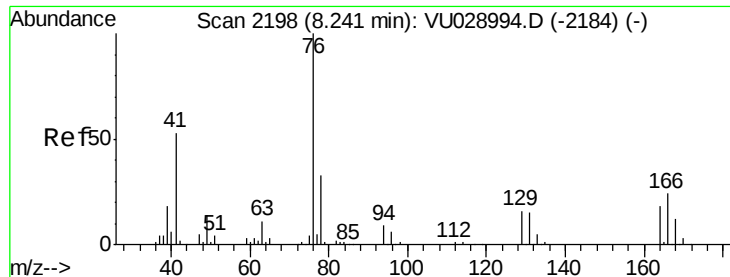
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#56
 Ethyl methacrylate
 Concen: 20.322 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Tgt Ion:	69	Resp:	43231
Ion	Ratio	Lower	Upper
69	100		
41	61.8	47.5	71.3
39	29.3	22.5	33.7





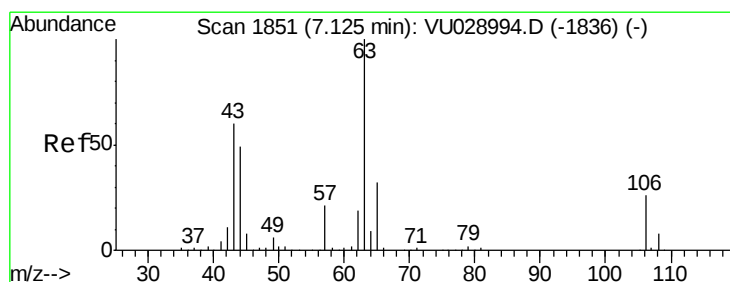
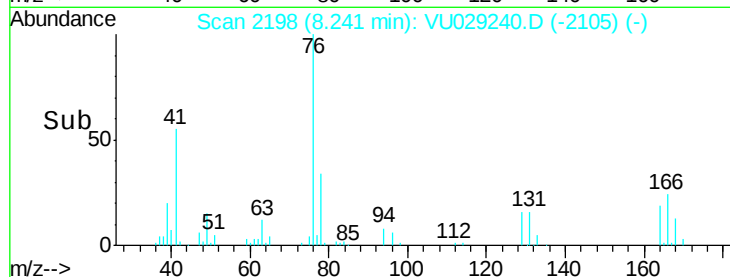
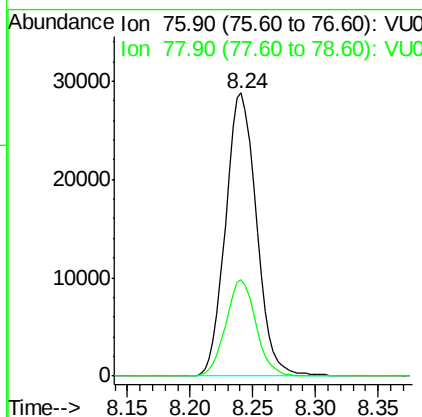
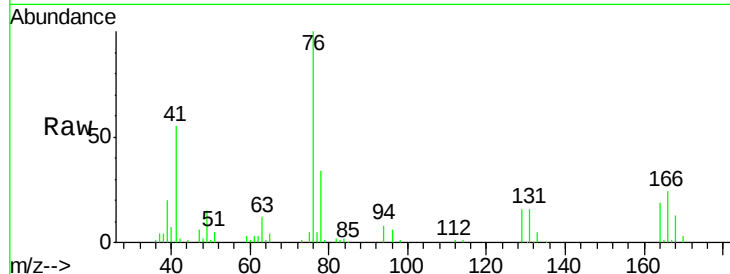
#57
 1,3-Dichloropropane
 Concen: 20.927 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBSD01

Tot Ion: 76 Resp: 49446
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.0 39.0

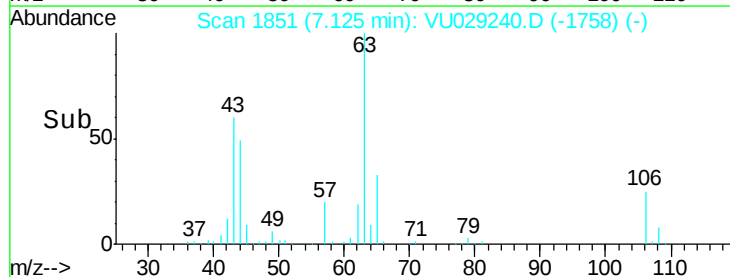
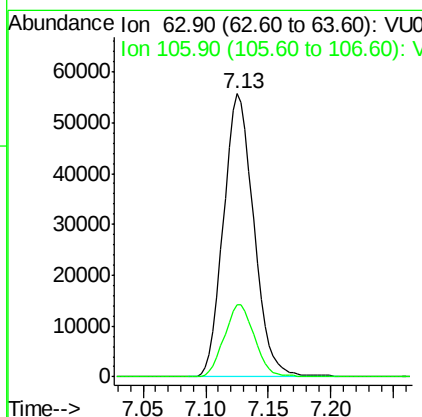
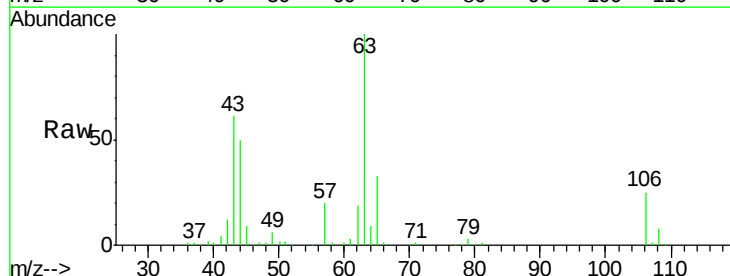
Manual Integrations
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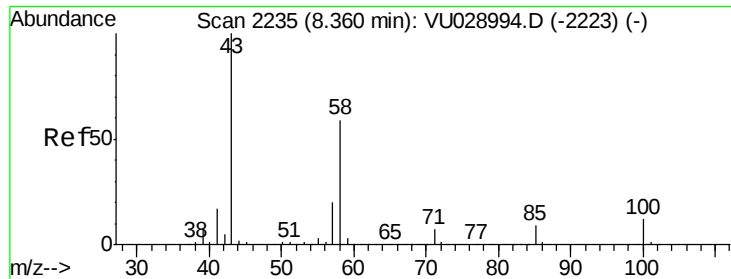
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 1/22/2019 10:40:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.735 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Tgt Ion: 63 Resp: 94242
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.6 31.0





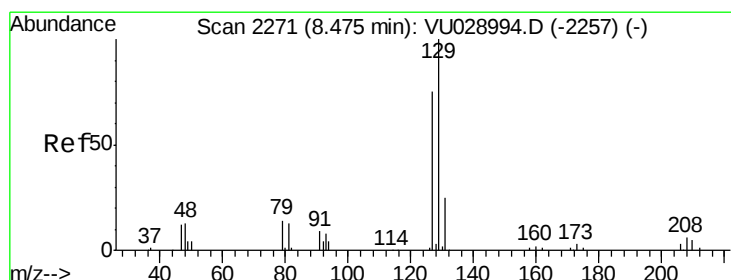
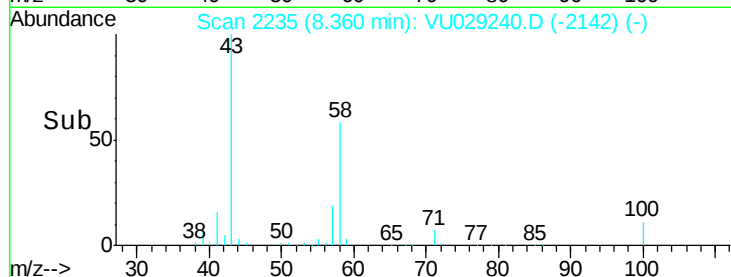
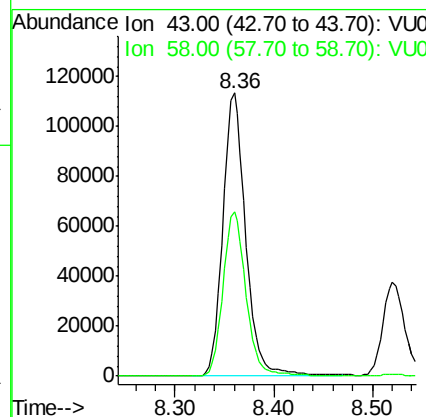
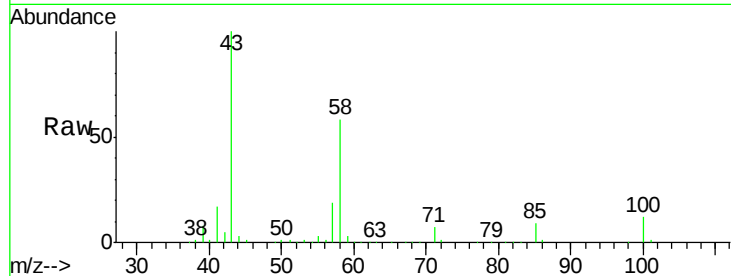
#59
2-Hexanone
Concen: 113.519 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBSD01

Tot Ion: 43 Resp: 185343
Ion Ratio Lower Upper
43 100
58 58.3 29.8 89.4

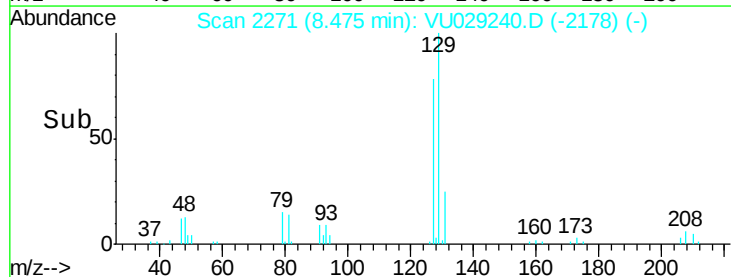
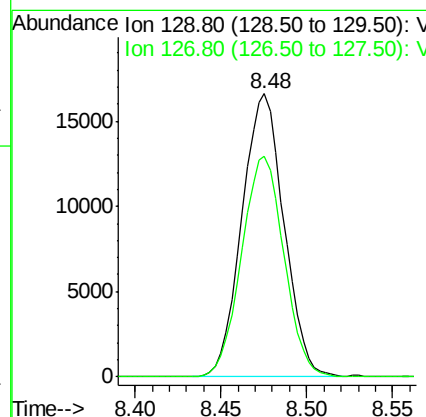
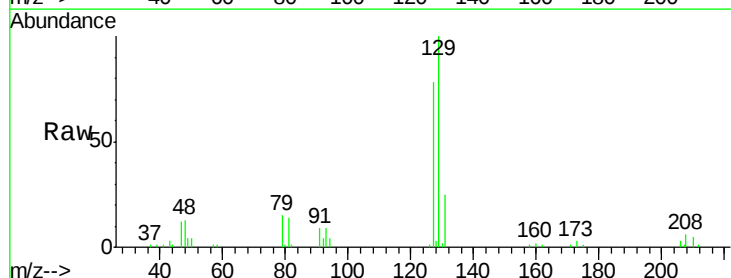
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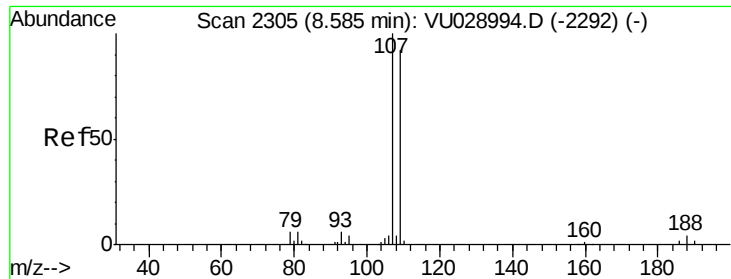
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#60
Dibromochloromethane
Concen: 20.702 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Tgt Ion: 129 Resp: 28320
Ion Ratio Lower Upper
129 100
127 78.4 38.0 114.0





#61

1,2-Dibromoethane

Concen: 20.326 ug/l

RT: 8.58 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBSD01

Tot Ion:107 Resp: 30440

Ion Ratio Lower Upper

107 100

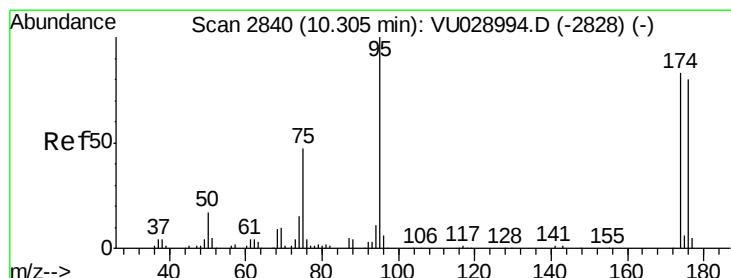
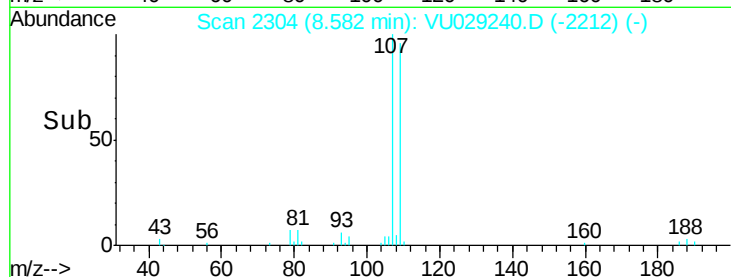
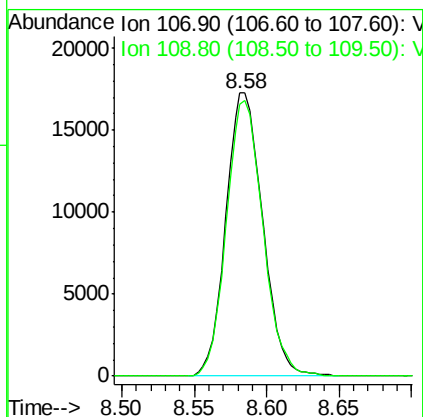
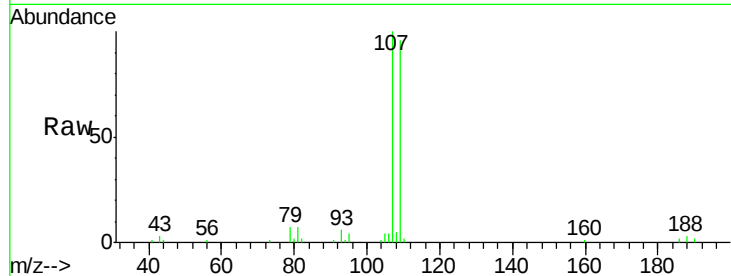
109 96.4 75.5 113.3

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#62

4-Bromofluorobenzene

Concen: 48.643 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

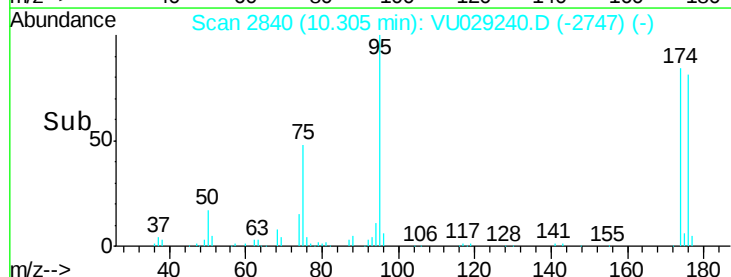
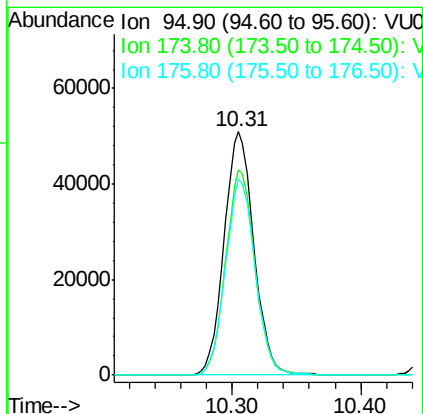
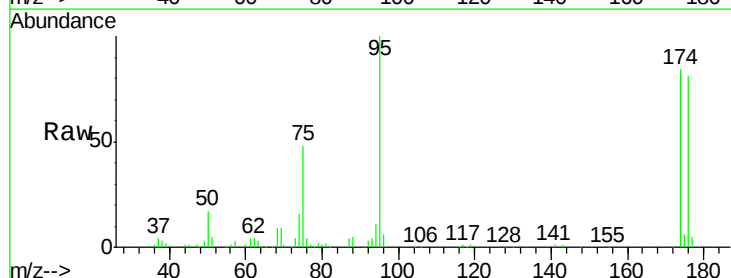
Tgt Ion: 95 Resp: 81239

Ion Ratio Lower Upper

95 100

174 83.2 0.0 170.6

176 81.0 0.0 165.0





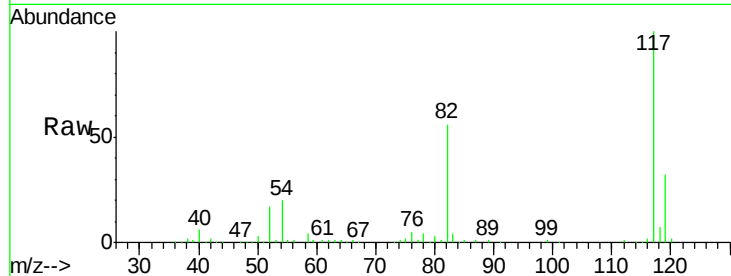
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBSD01

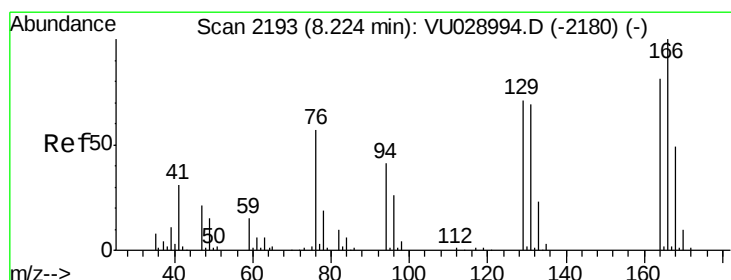
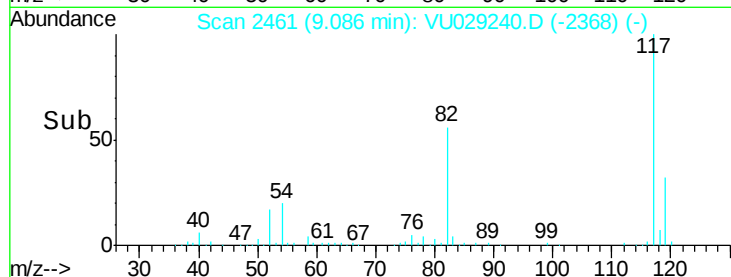
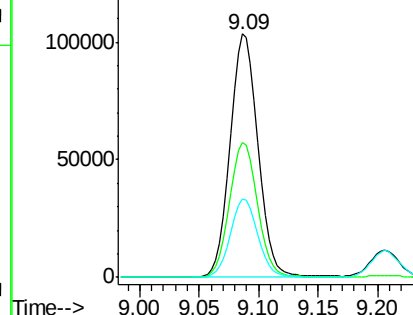
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	43.9	65.9
119	32.1	26.0	39.0

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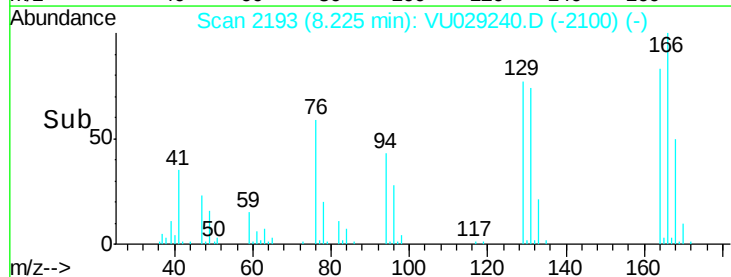
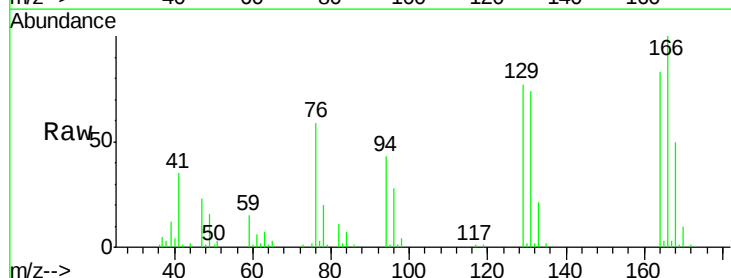
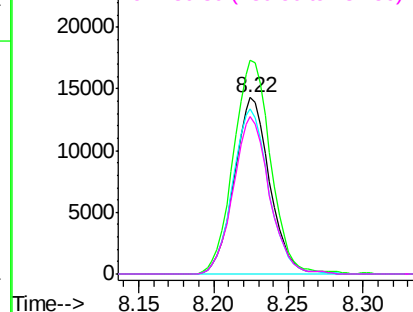
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

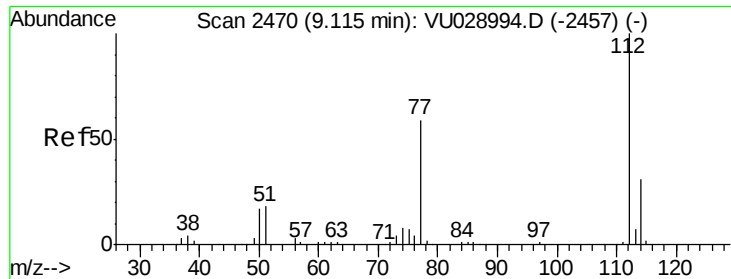


#64
Tetrachloroethene
Concen: 19.370 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.0	99.4	149.0
129	93.3	70.5	105.7
131	89.0	69.0	103.6

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





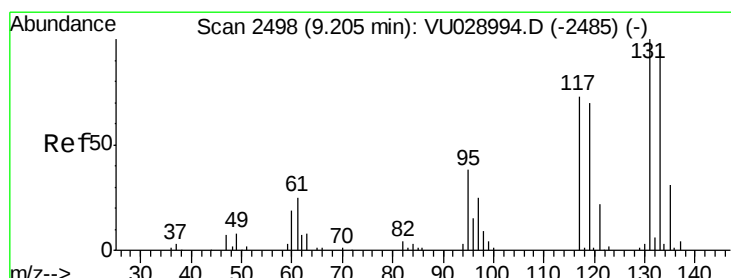
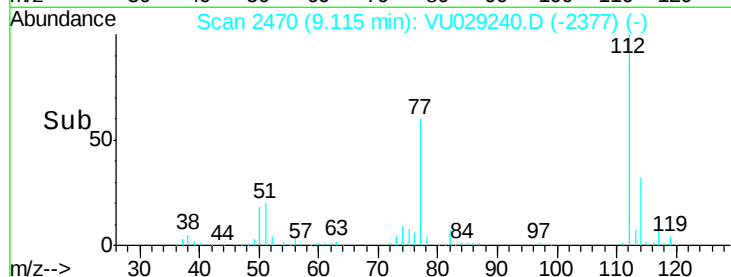
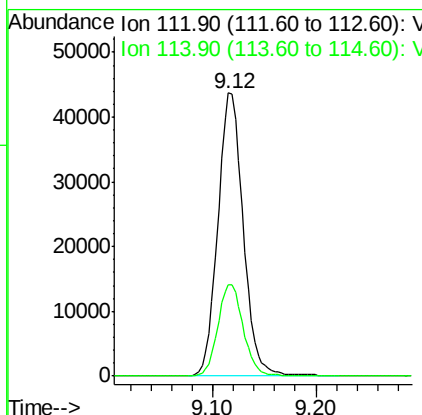
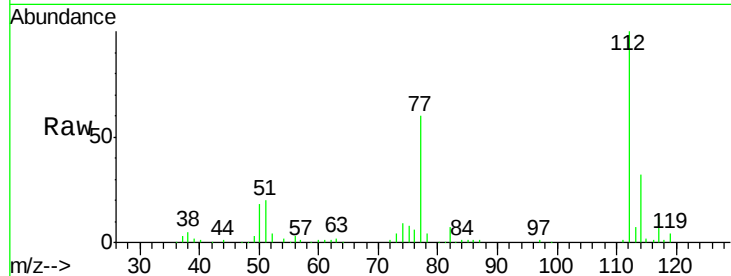
#65
Chlorobenzene
Concen: 19.795 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBSD01

Tot Ion:112 Resp: 75069
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.6

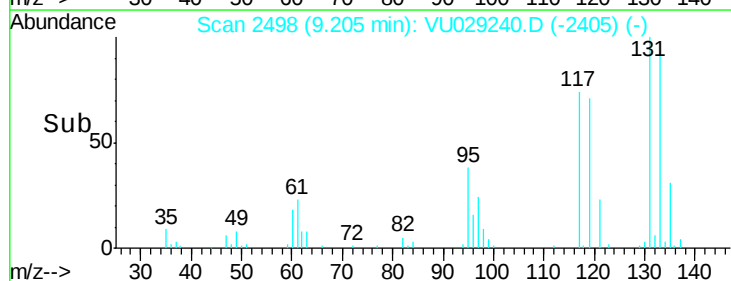
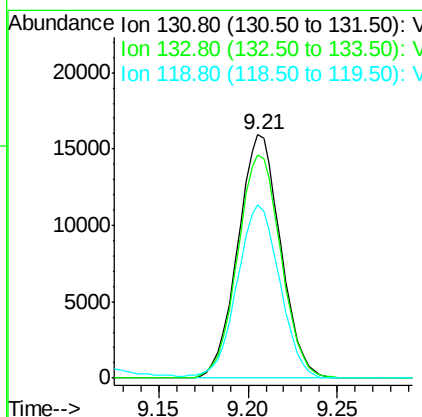
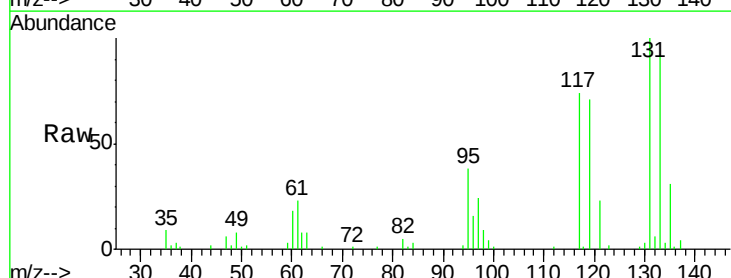
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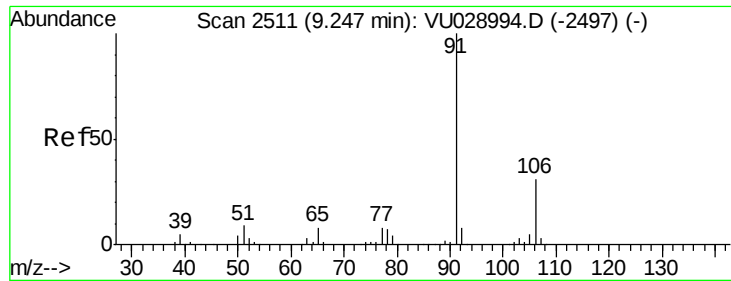
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.641 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Tgt Ion:131 Resp: 26634
Ion Ratio Lower Upper
131 100
133 93.0 48.2 144.6
119 71.3 35.4 106.3





#67

Ethyl Benzene

Concen: 19.824 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBSD01

Tot Ion: 91 Resp: 125515

Ion Ratio Lower Upper

91 100

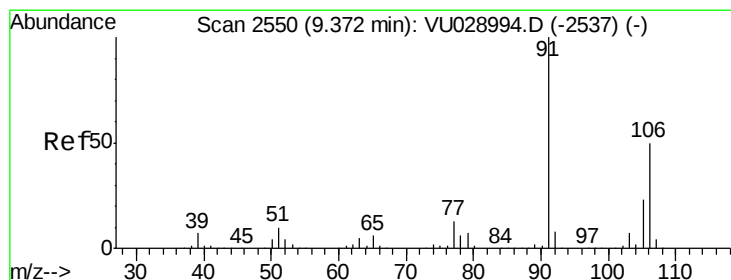
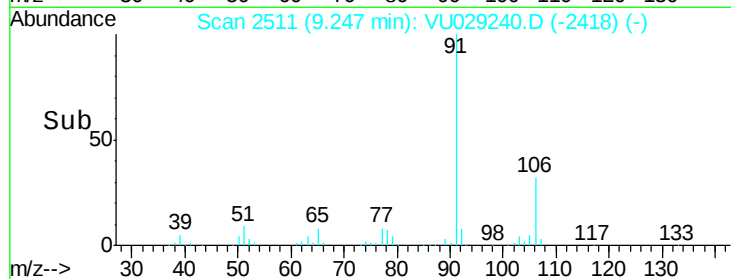
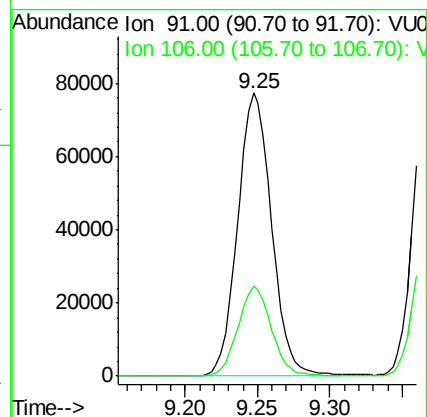
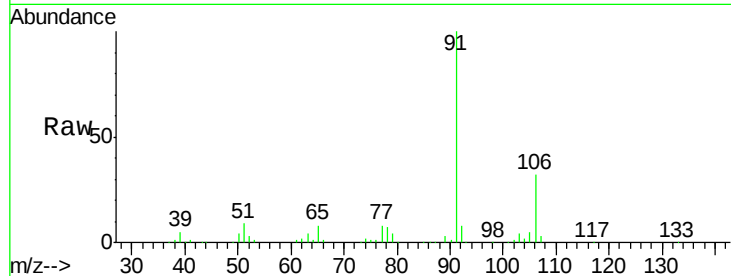
106 31.7 25.0 37.4

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#68

m/p-Xylenes

Concen: 39.471 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029240.D

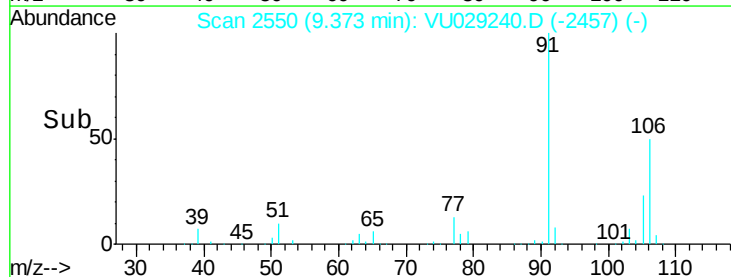
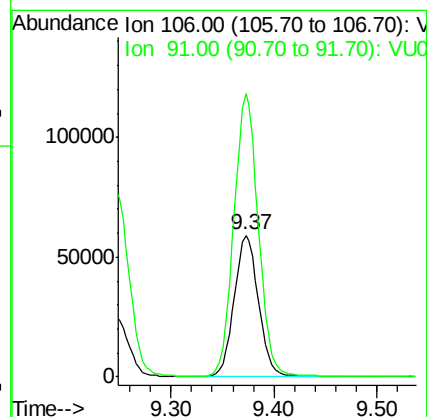
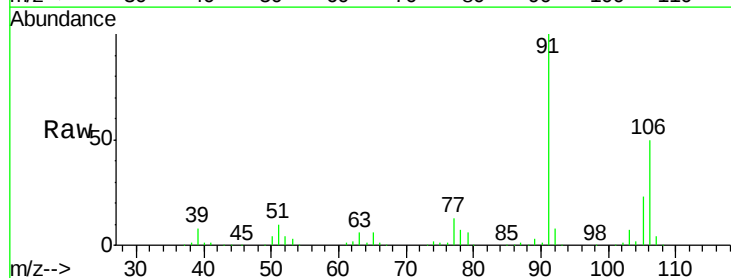
Acq: 21 Jan 2019 11:44

Tgt Ion: 106 Resp: 97102

Ion Ratio Lower Upper

106 100

91 200.7 161.7 242.5





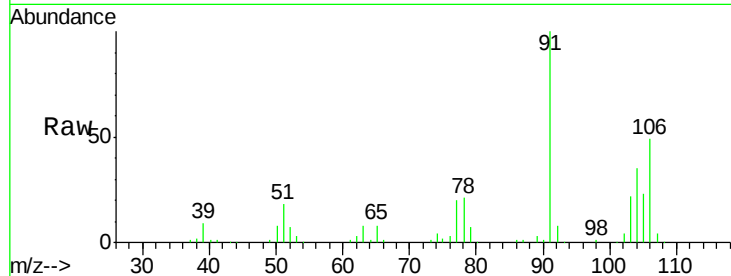
#69
o-Xylene
Concen: 20.286 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBSD01

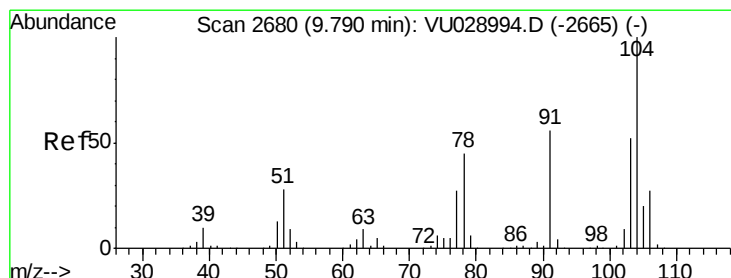
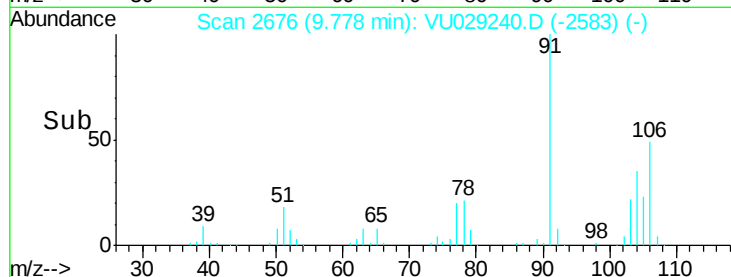
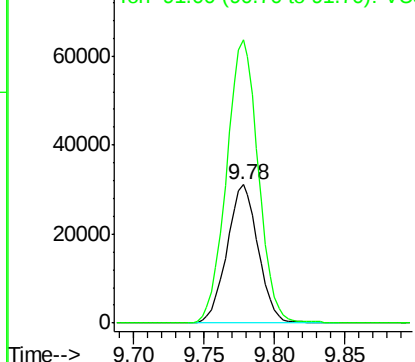
Tot Ion:106 Resp: 48086
Ion Ratio Lower Upper
106 100
91 208.5 106.1 318.3

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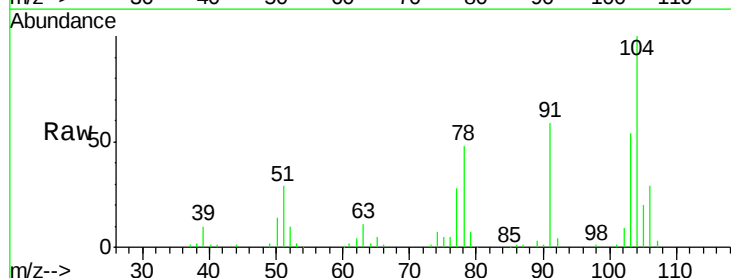


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

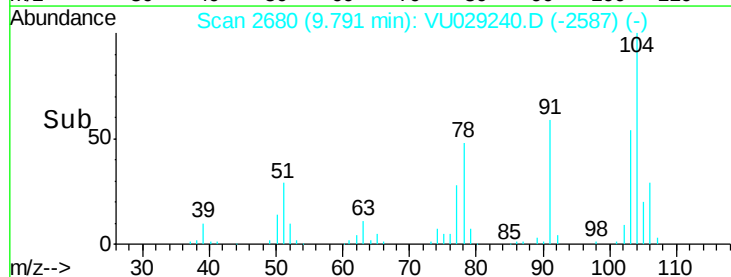
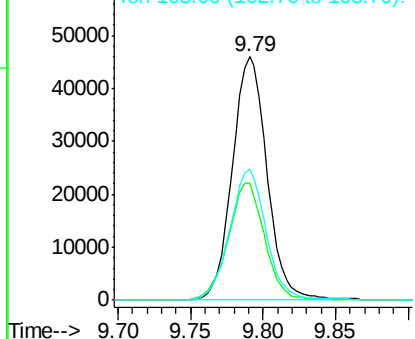


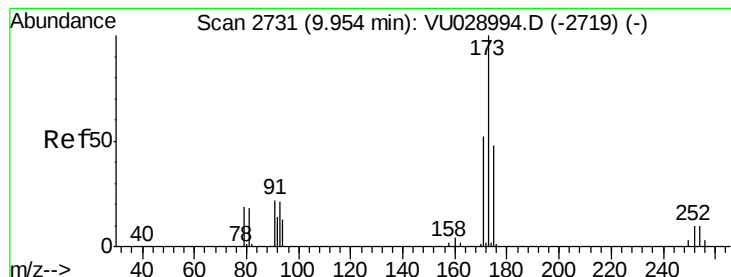
#70
Styrene
Concen: 19.628 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Tgt Ion:104 Resp: 76273
Ion Ratio Lower Upper
104 100
78 50.3 38.6 58.0
103 56.0 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: 21.398 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBSD01

Tot Ion:173 Resp: 23448

Ion Ratio Lower Upper

173 100

175 47.0 23.8 71.2

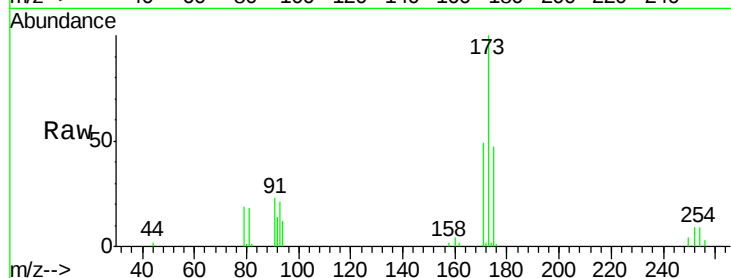
254 0.0 0.0 0.0

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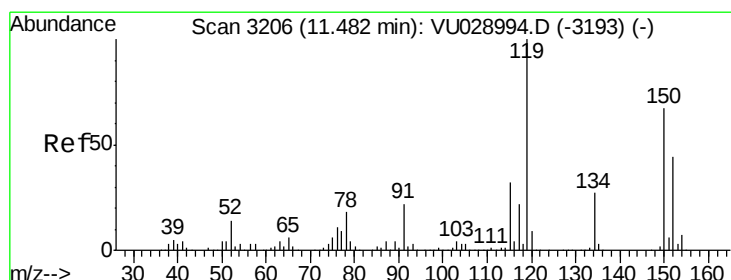
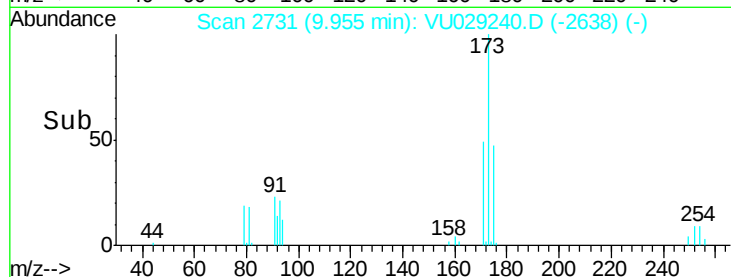
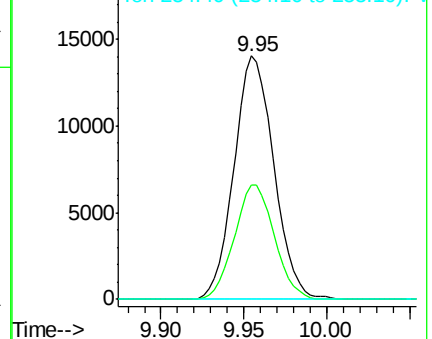
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

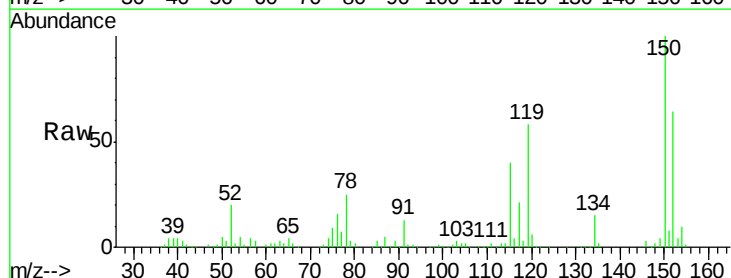
Tgt Ion:152 Resp: 82111

Ion Ratio Lower Upper

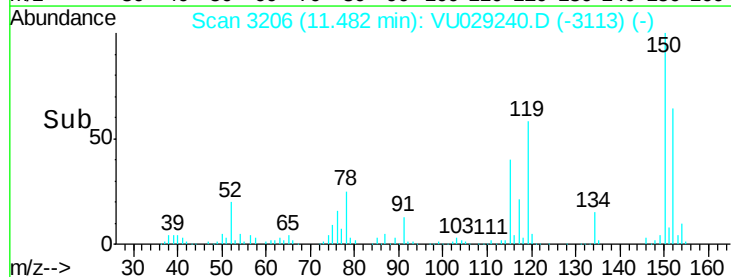
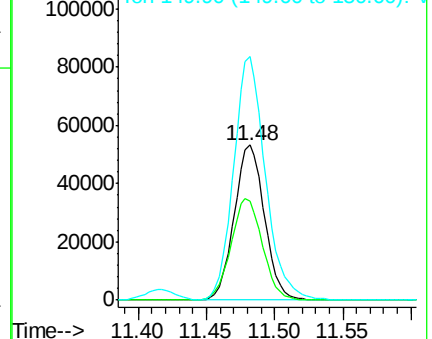
152 100

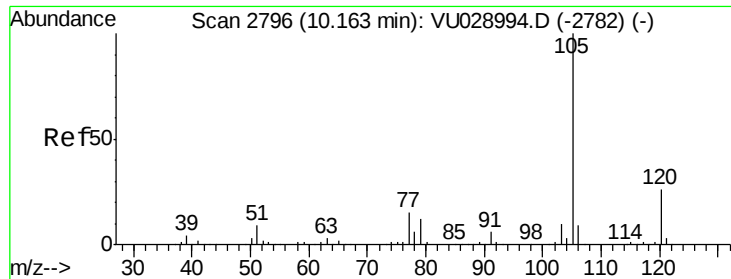
115 67.8 40.1 120.3

150 164.9 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: 20.480 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBSD01

Tot Ion:105 Resp: 124471

Ion Ratio Lower Upper

105 100

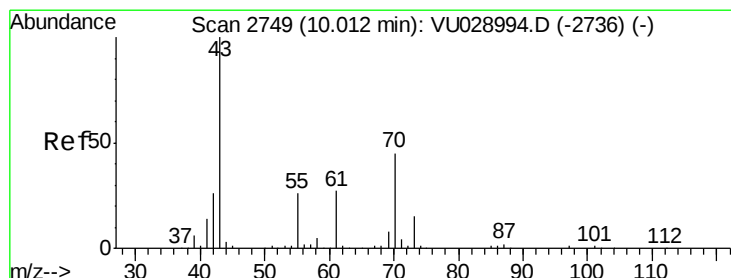
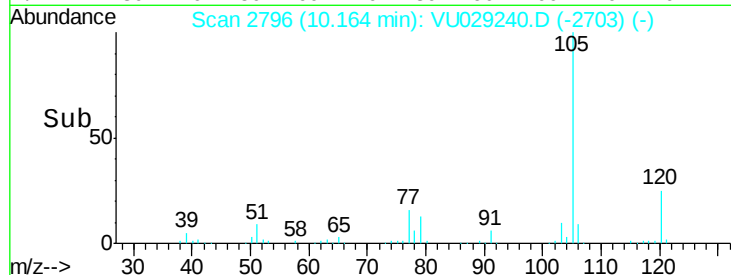
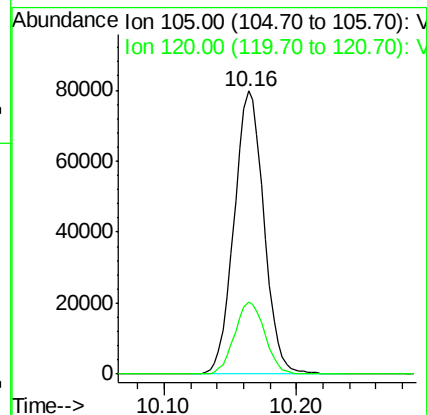
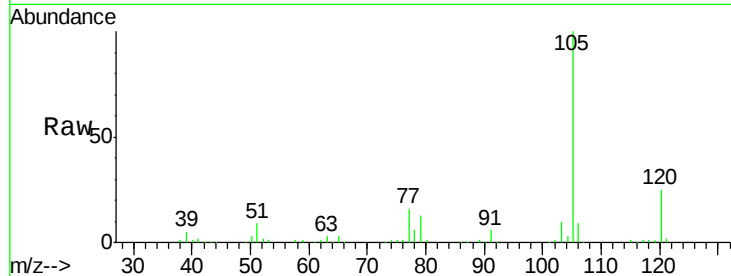
120 25.8 13.2 39.5

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#74

N-ethyl acetate

Concen: 21.042 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Tgt Ion: 43 Resp: 55107

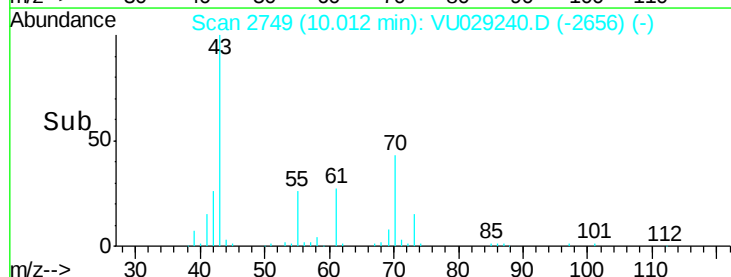
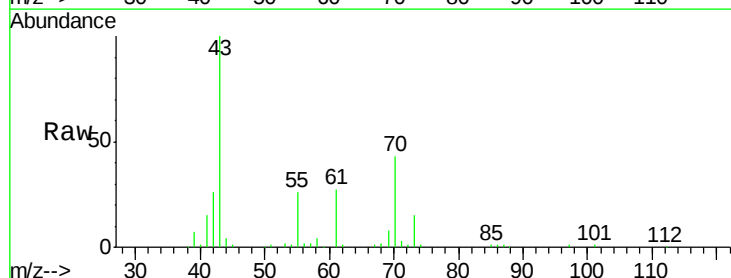
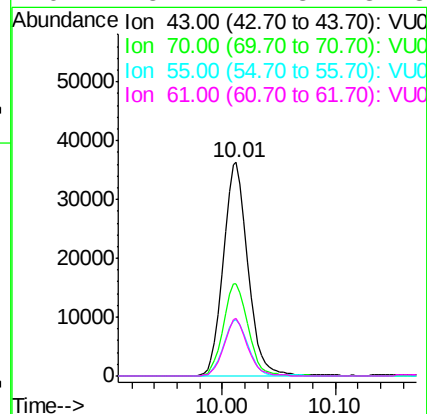
Ion Ratio Lower Upper

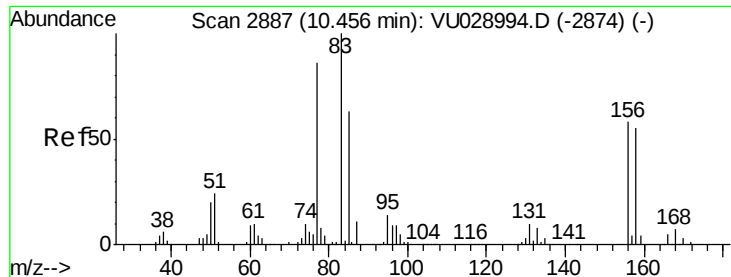
43 100

70 43.7 36.3 54.5

55 26.1 20.5 30.7

61 25.7 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.214 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Instrument :

MSVOA_U

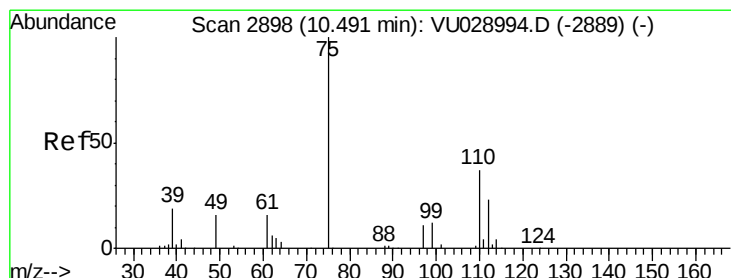
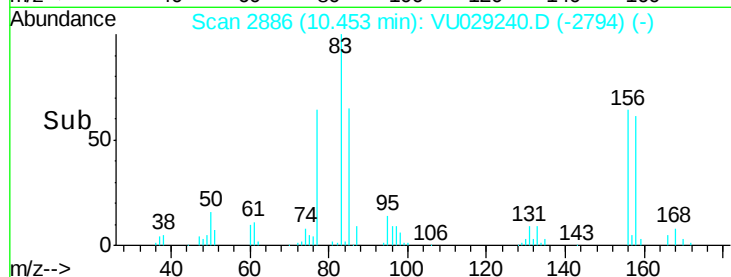
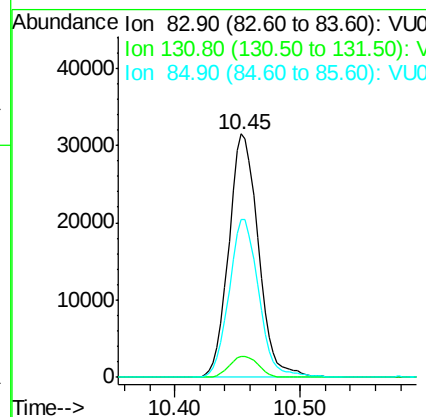
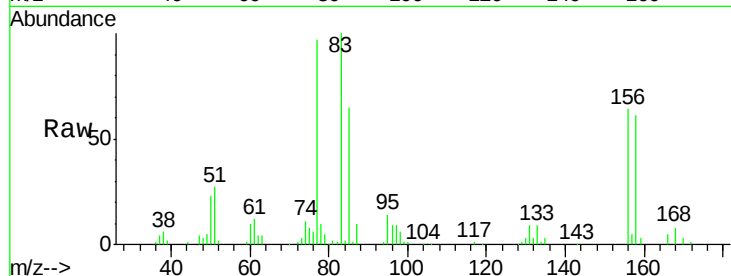
ClientSampleId :

VU0121WBSD01

Tot Ion:	83	Resp:	51674
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.7	14.1
85	64.9	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 22.852 ug/l m

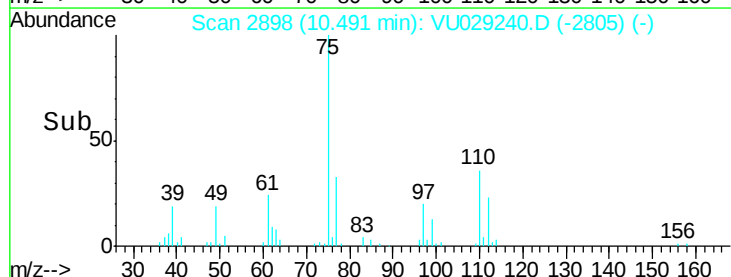
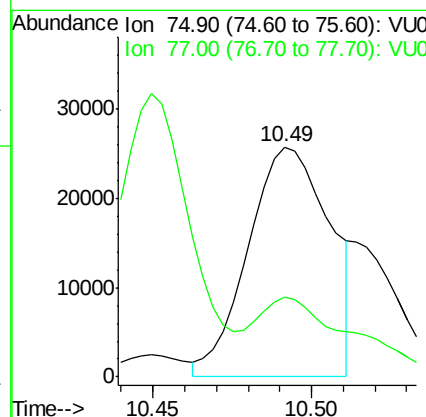
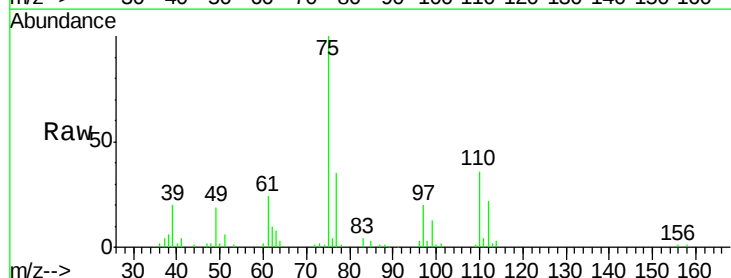
RT: 10.49 min Scan# 2898

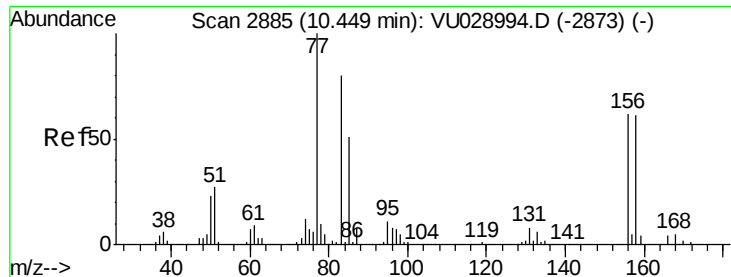
Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Tgt Ion:	75	Resp:	45975
Ion Ratio	Lower	Upper	
75	100		
77	40.6	20.9	62.8





#77

Bromobenzene

Concen: 20.892 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0121WBSD01

Tot Ion:156 Resp: 33089

Ion Ratio Lower Upper

156 100

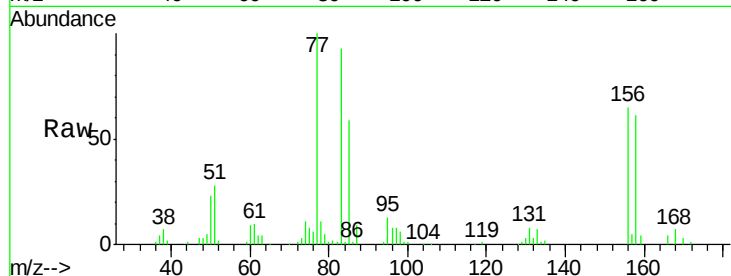
77 153.9 79.0 237.2

158 92.7 48.9 146.6

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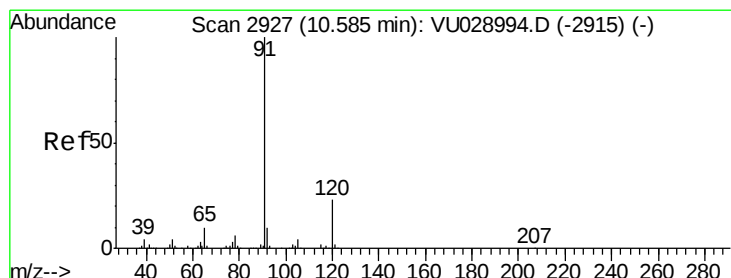
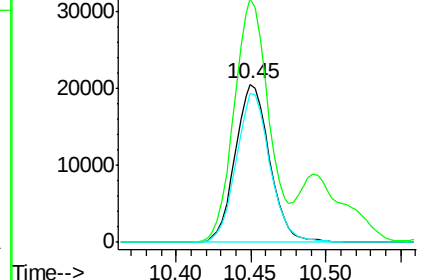
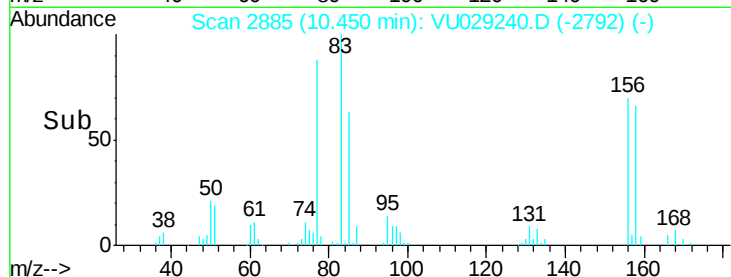
1/22/2019 10:40:17 AM



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: 20.795 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029240.D

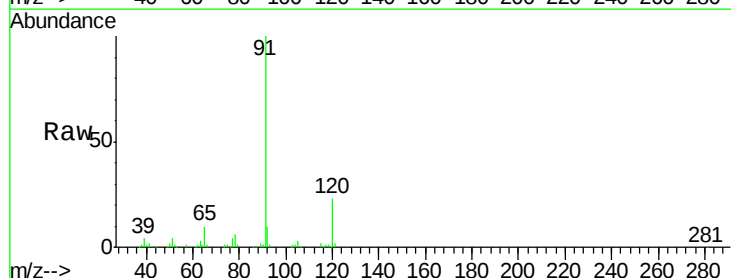
Acq: 21 Jan 2019 11:44

Tgt Ion: 91 Resp: 148940

Ion Ratio Lower Upper

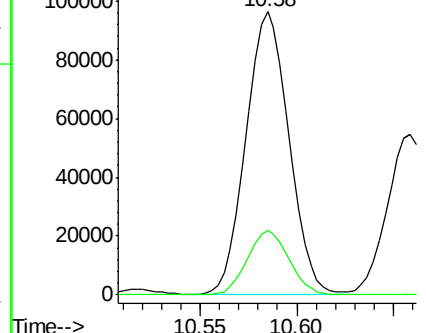
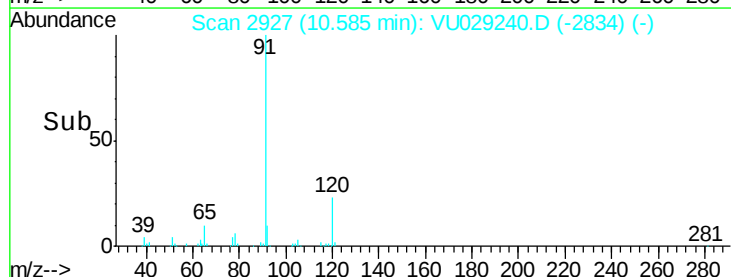
91 100

120 22.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





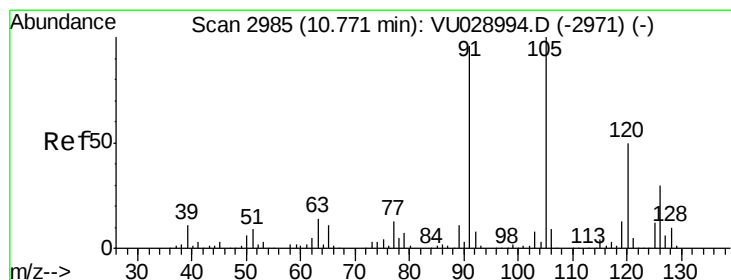
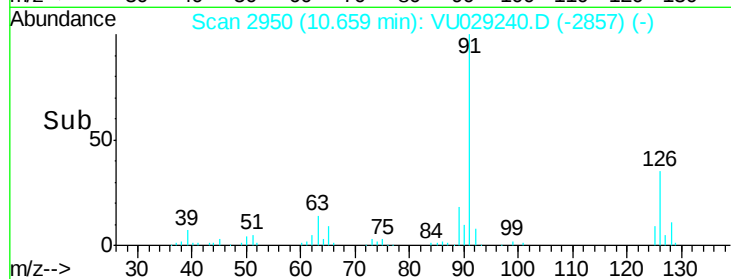
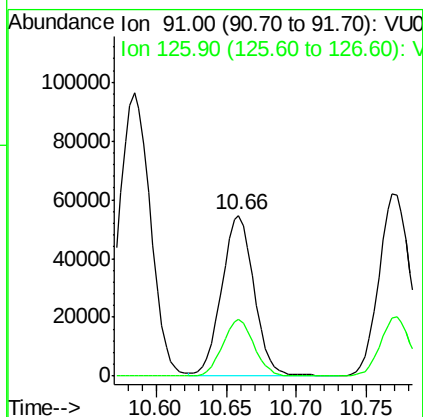
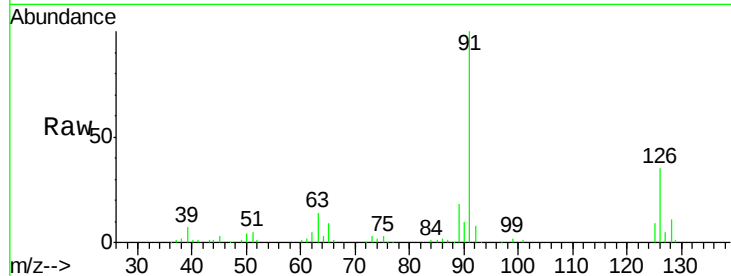
#79
 2-Chlorotoluene
 Concen: 20.134 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBSD01

Tot Ion: 91 Resp: 87479
 Ion Ratio Lower Upper
 91 100
 126 34.2 16.8 50.4

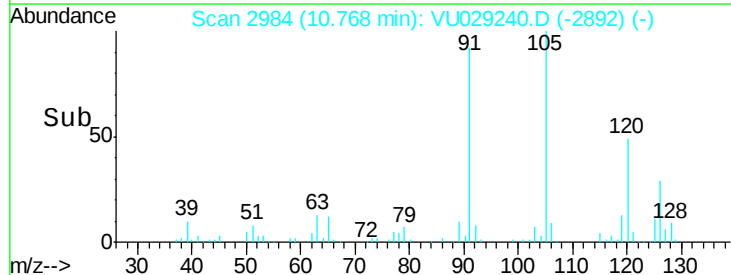
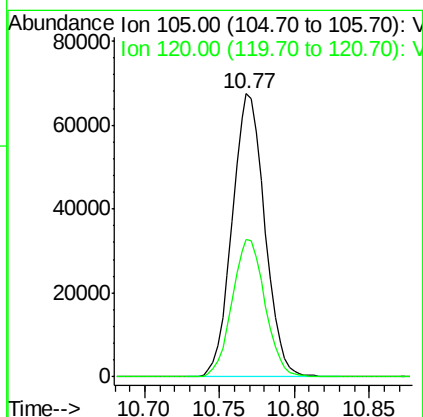
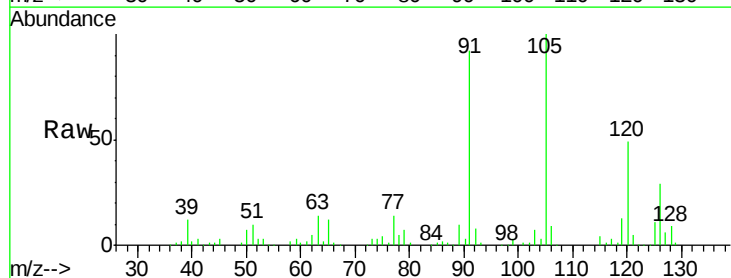
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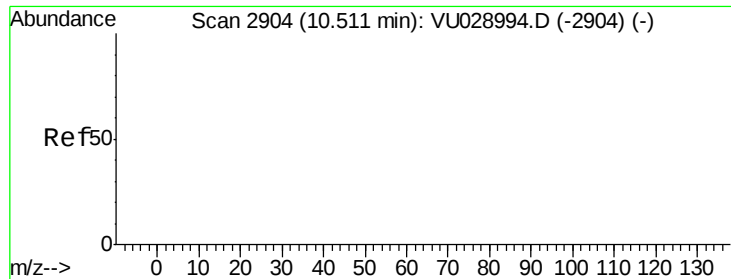
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.181 ug/l
 RT: 10.77 min Scan# 2984
 Delta R.T. -0.00 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Tgt Ion: 105 Resp: 102423
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.8 74.4





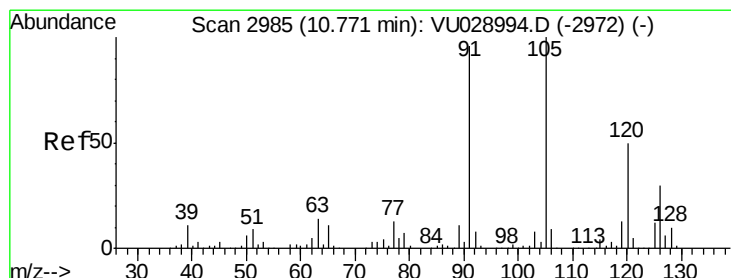
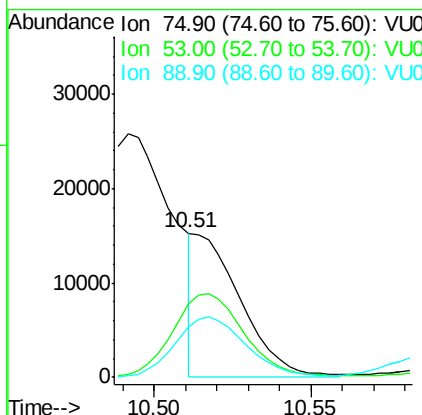
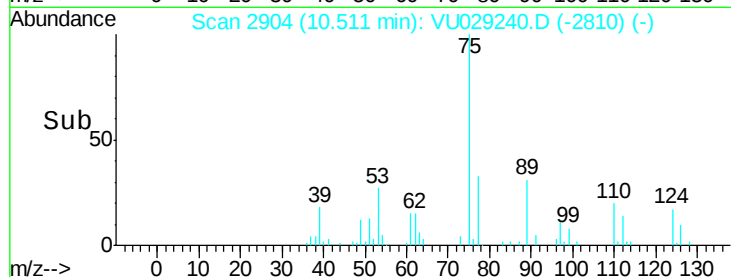
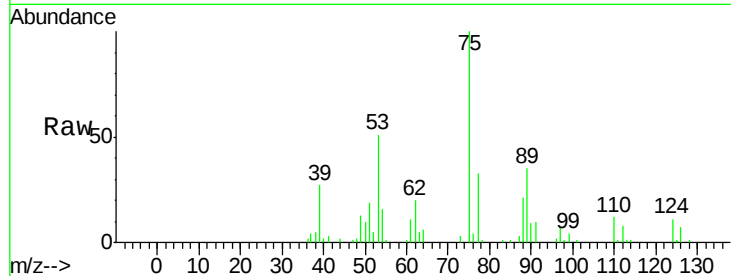
#81
trans-1,4-Dichloro-2-butene
Concen: 20.213 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBSD01

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

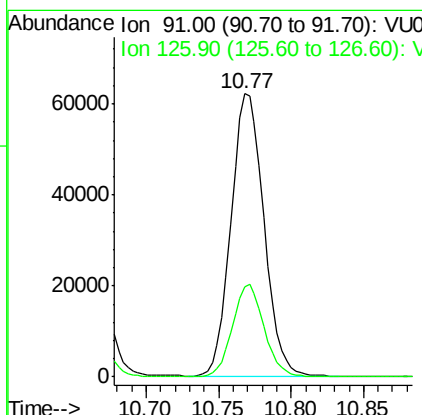
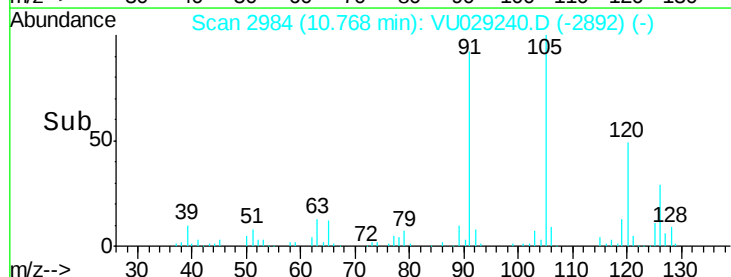
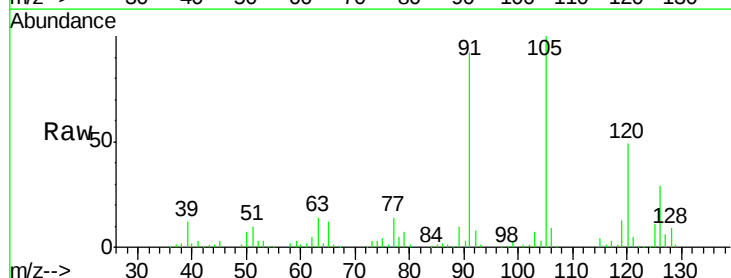
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#82
4-Chlorotoluene
Concen: 19.602 ug/l
RT: 10.77 min Scan# 2984
Delta R.T. -0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.5	46.5





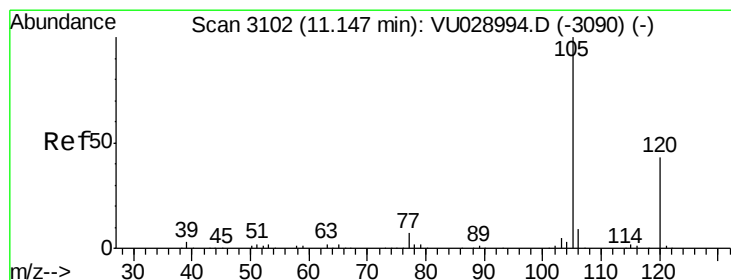
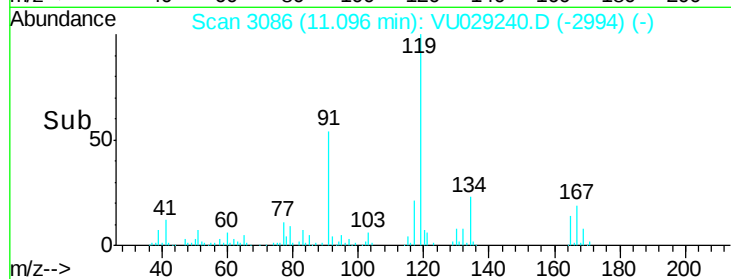
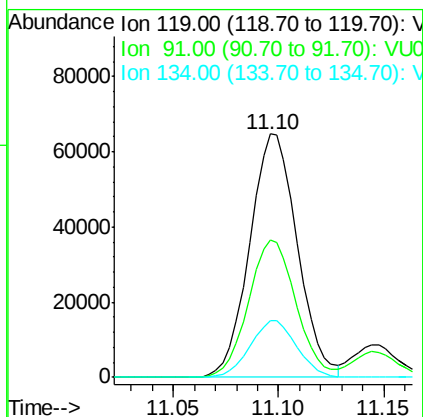
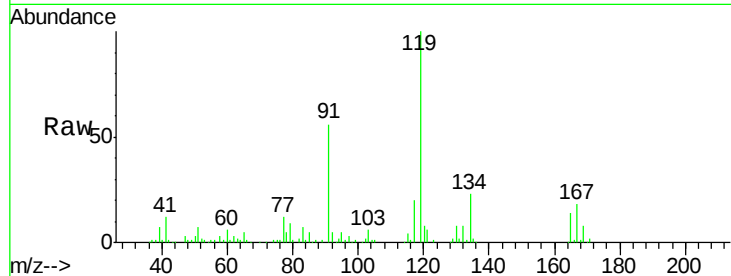
#83
tert-Butylbenzene
Concen: 20.365 ug/l
RT: 11.10 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	101874		
91	56.0	28.2	84.6	
134	22.7	11.3	33.8	

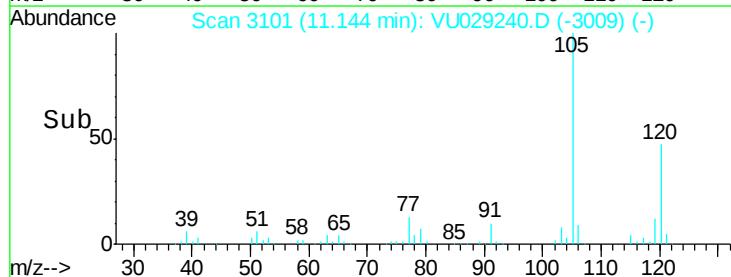
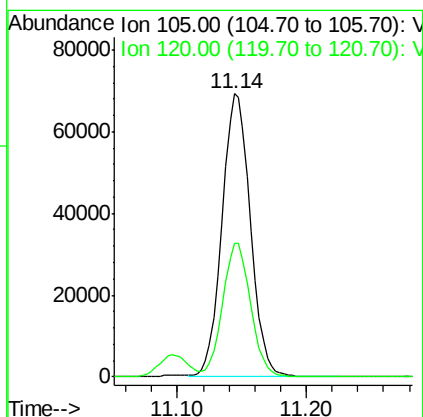
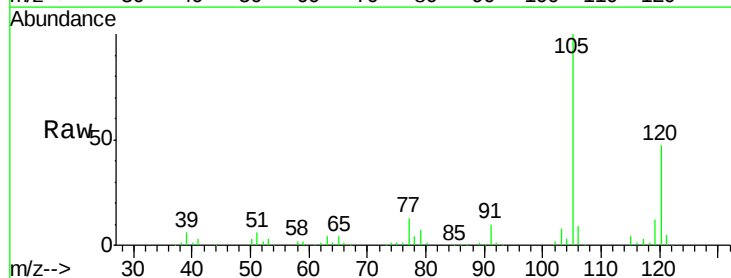
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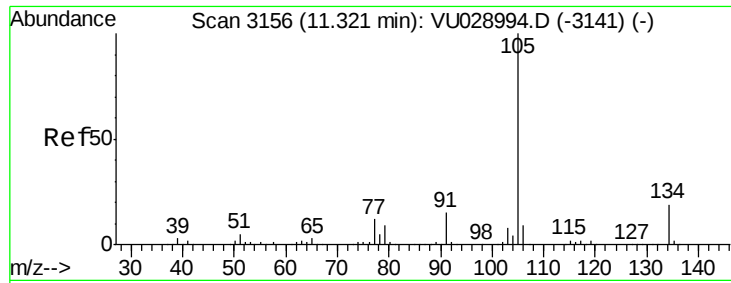
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#84
1,2,4-Trimethylbenzene
Concen: 20.857 ug/l
RT: 11.14 min Scan# 3101
Delta R.T. -0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	105687		
120	46.5	23.1	69.3	





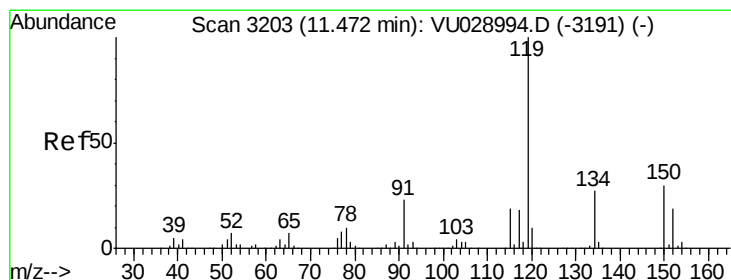
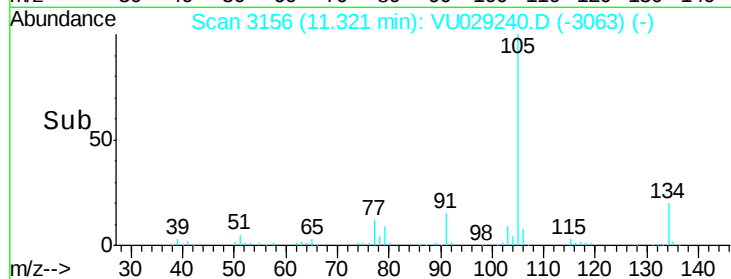
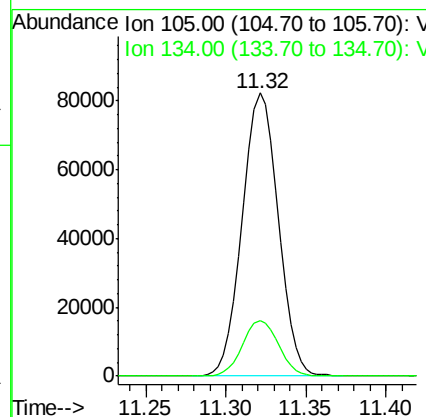
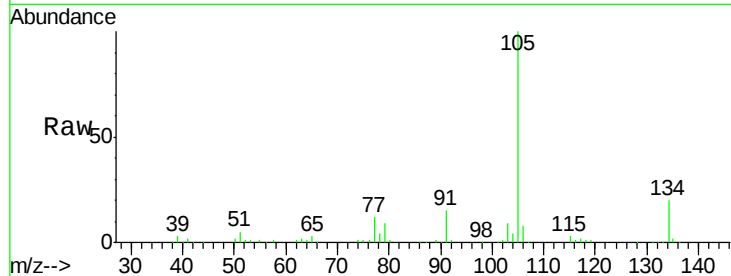
#85
 sec-Butylbenzene
 Concen: 20.858 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBSD01

Tot Ion:105 Resp: 126190
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.7 29.1

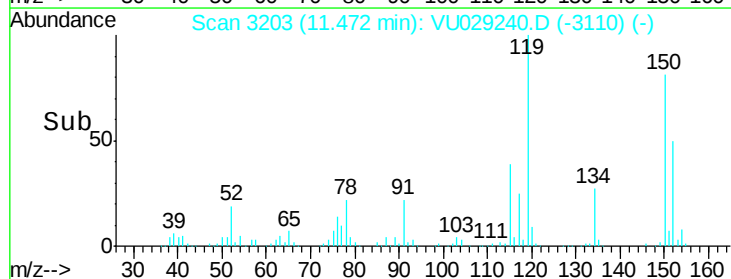
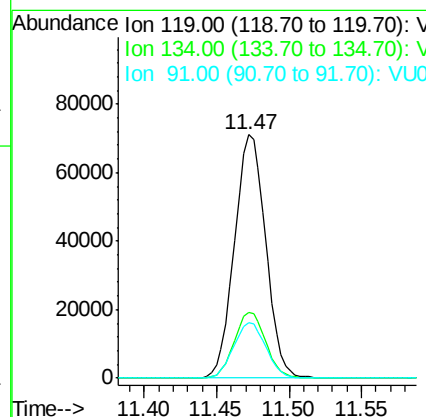
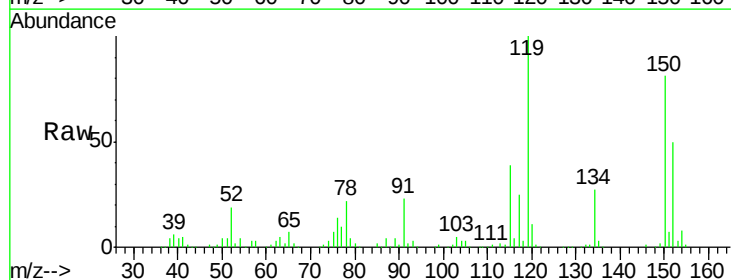
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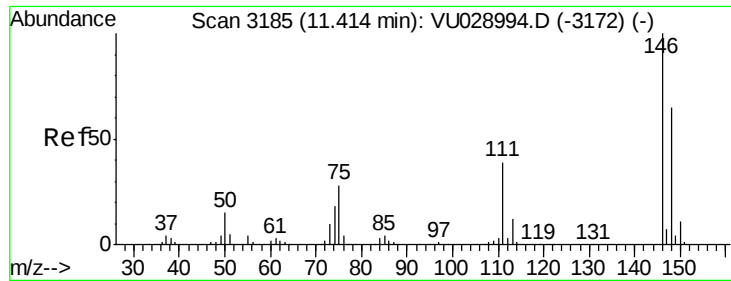
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#86
 p-Isopropyltoluene
 Concen: 20.680 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Tgt Ion:119 Resp: 106608
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.5 40.4
 91 23.4 11.3 33.8





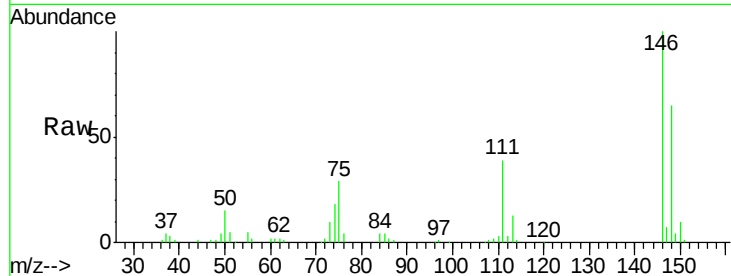
#87
 1,3-Dichlorobenzene
 Concen: 19.461 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBSD01

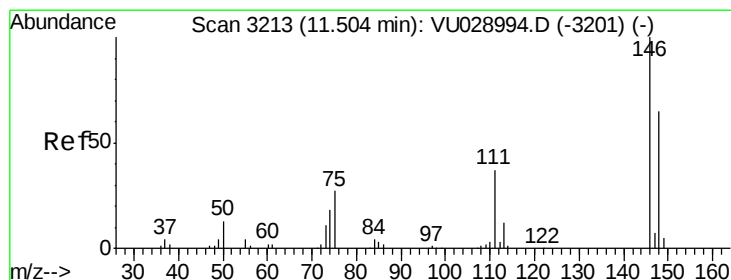
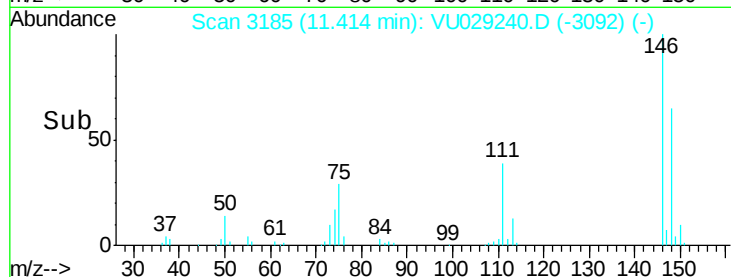
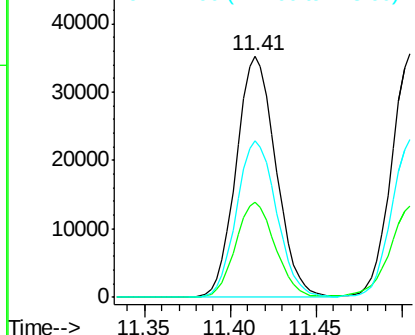
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.3	57.8
148	65.4	32.5	97.5

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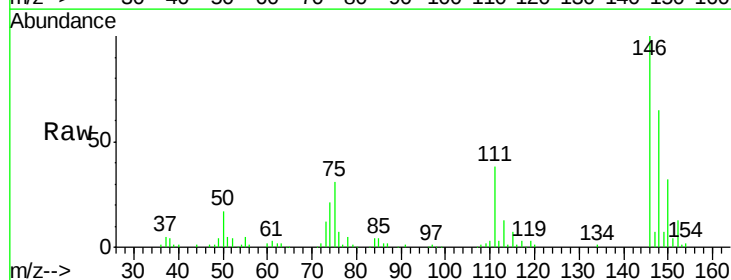


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

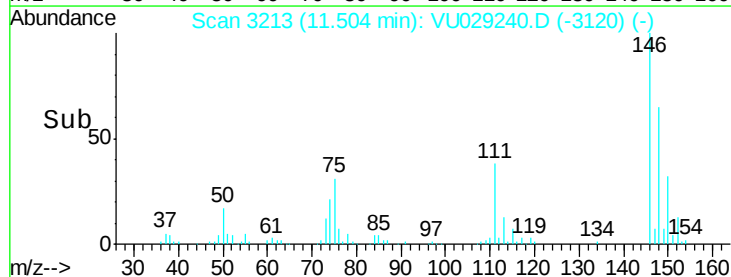
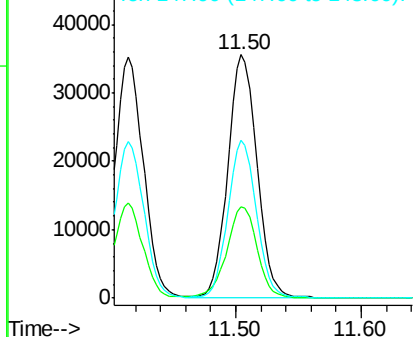


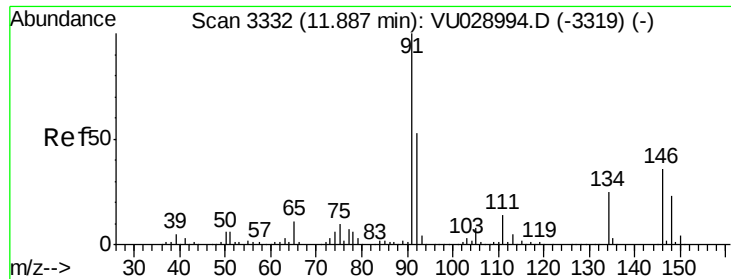
#88
 1,4-Dichlorobenzene
 Concen: 19.256 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.3
148	63.6	32.6	98.0



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





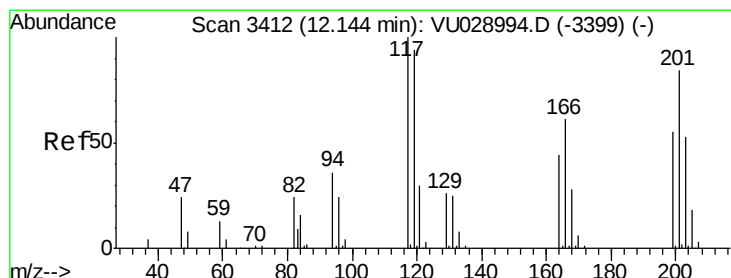
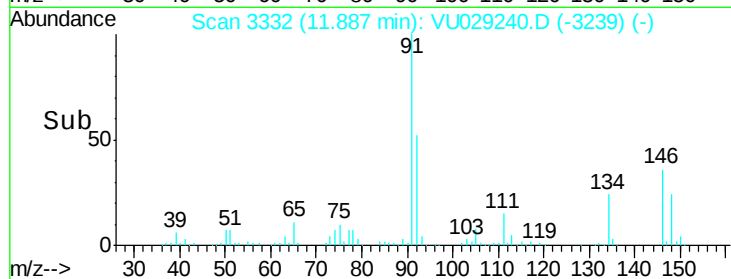
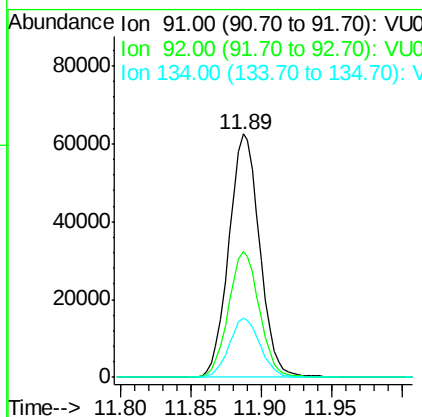
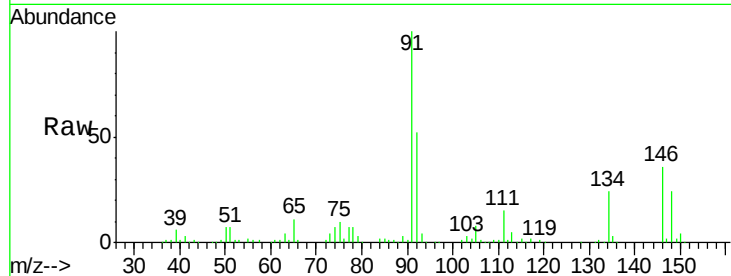
#89
n-Butylbenzene
Concen: 20.832 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.2	78.5
134	24.3	12.6	37.6

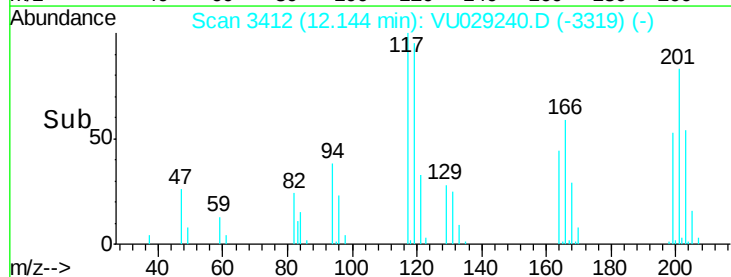
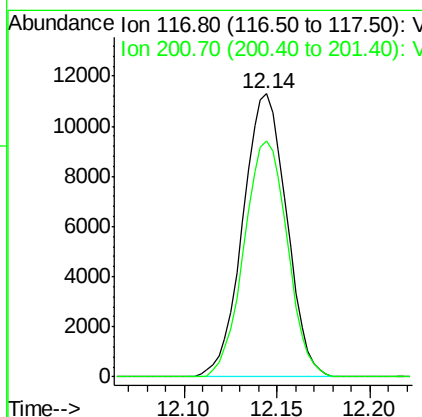
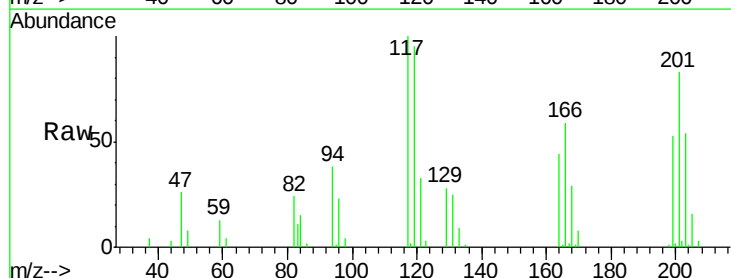
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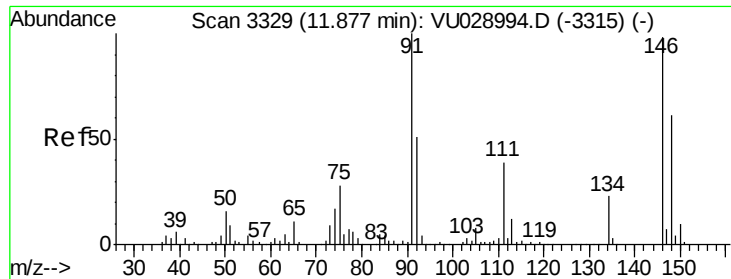
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#90
Hexachloroethane
Concen: 21.348 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.5	42.4	127.3





#91

1,2-Dichlorobenzene

Concen: 19.354 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Instrument :

MSVOA_U

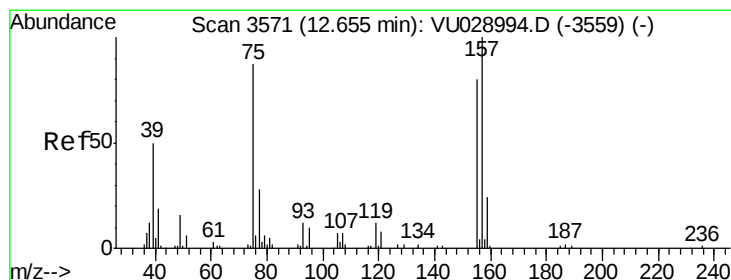
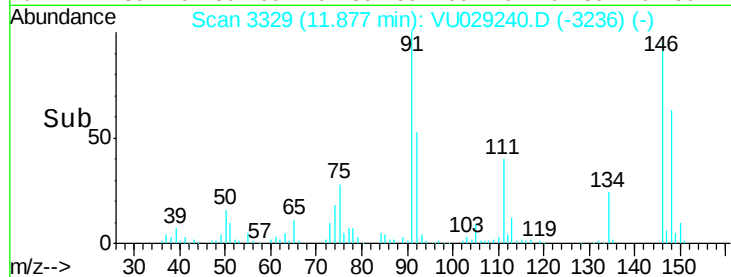
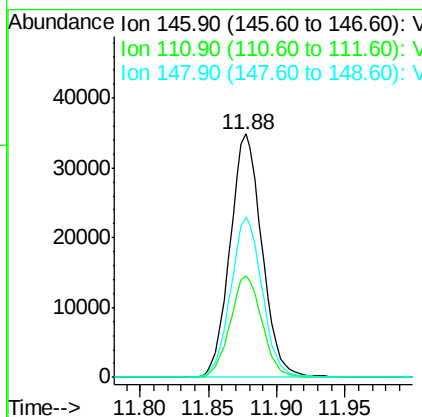
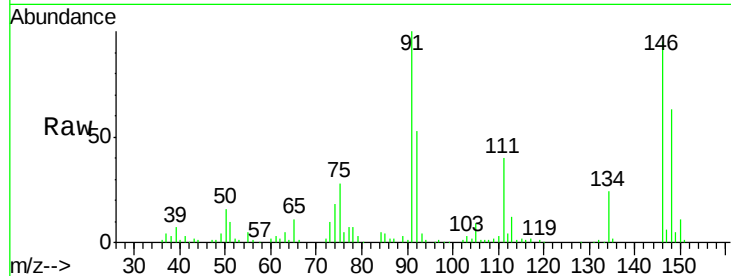
ClientSampleId :

VU0121WBSD01

Tot Ion:	146	Resp:	56631
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.0	59.9
148	64.9	31.6	94.8

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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.527 ug/l

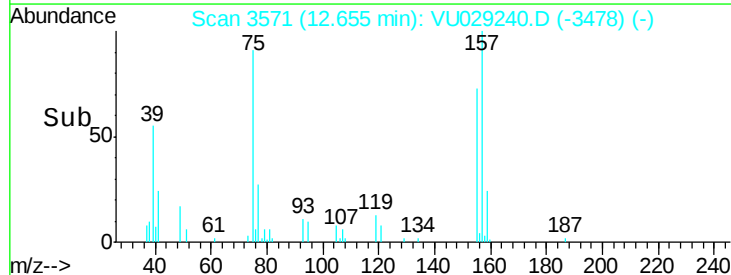
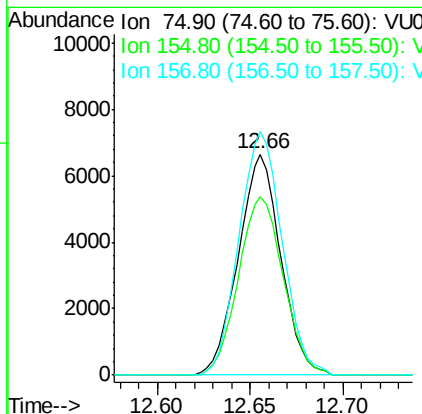
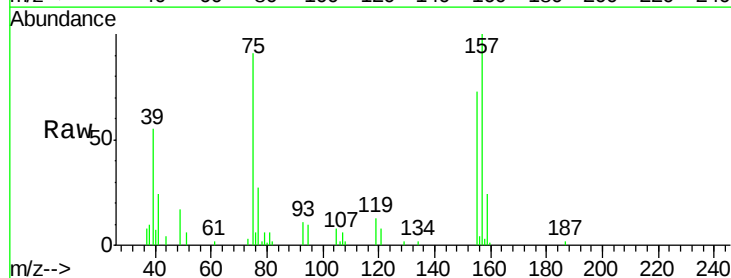
RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU029240.D

Acq: 21 Jan 2019 11:44

Tgt Ion:	75	Resp:	10554
Ion Ratio	Lower	Upper	
75	100		
155	85.1	46.3	138.8
157	112.4	57.4	172.0





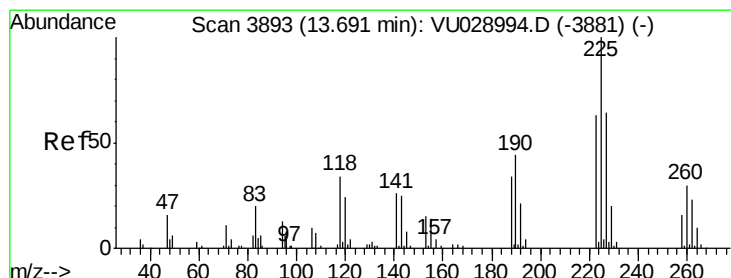
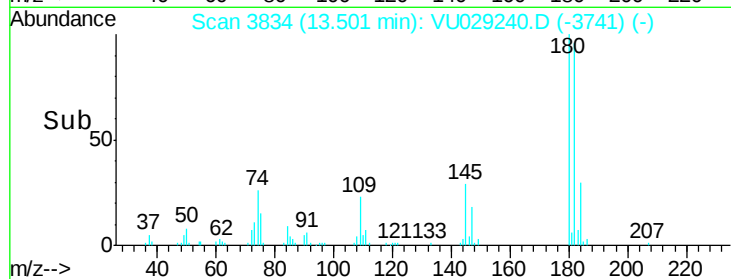
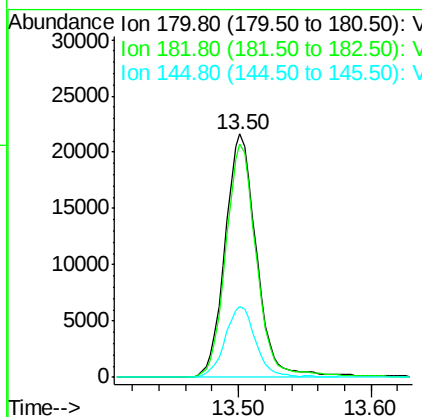
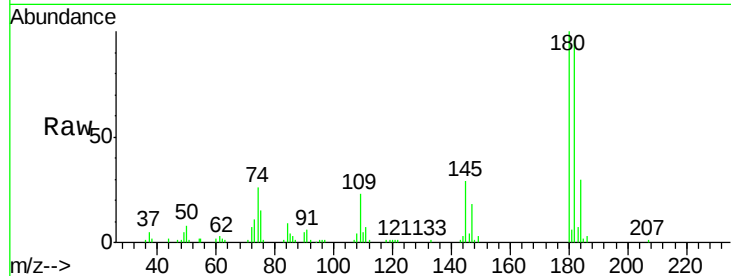
#93
 1,2,4-Trichlorobenzene
 Concen: 18.997 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0121WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.5	142.6
145	28.1	14.0	42.0

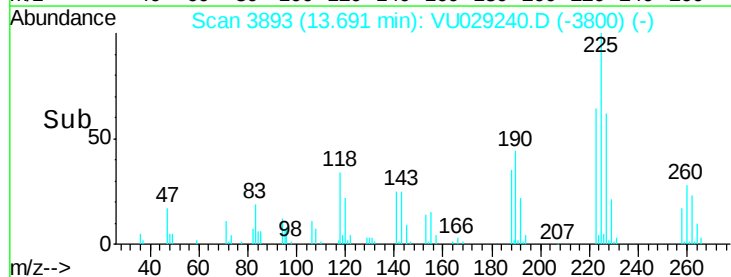
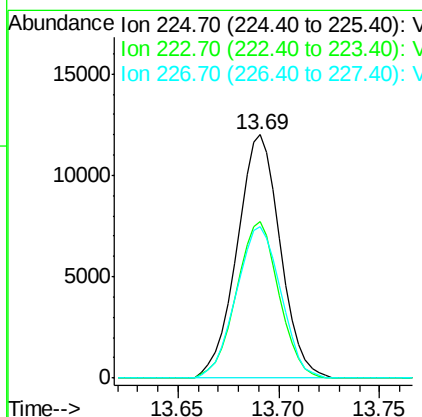
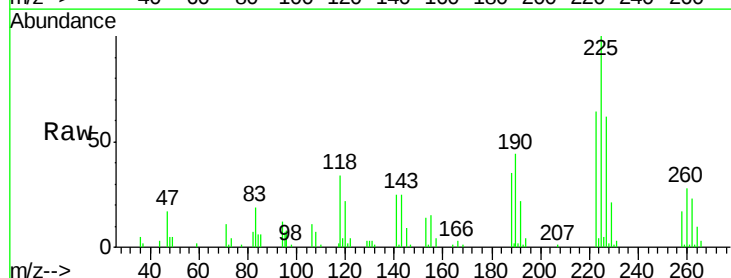
Manual Integrations
 APPROVED

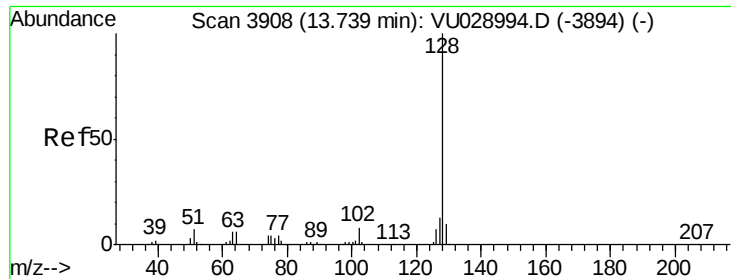
MMDadoda
 1/22/2019 10:40:17 AM



#94
 Hexachlorobutadiene
 Concen: 21.142 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029240.D
 Acq: 21 Jan 2019 11:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.4	94.0
227	64.1	31.9	95.5





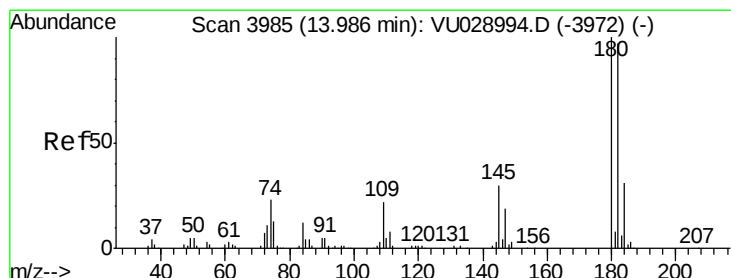
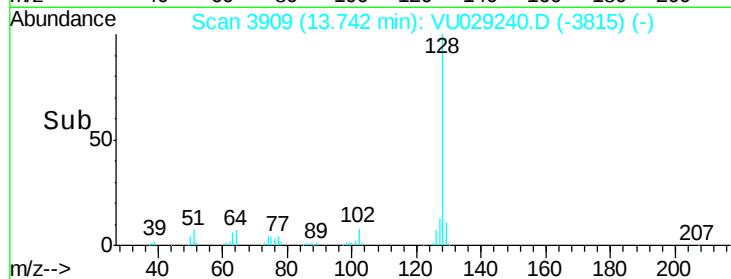
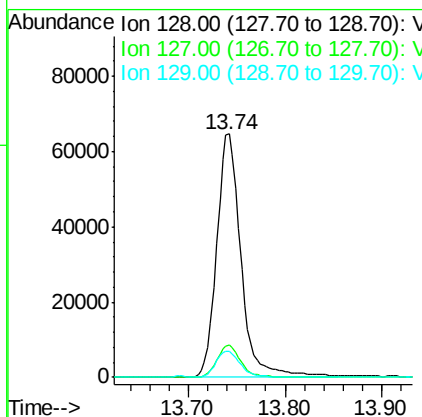
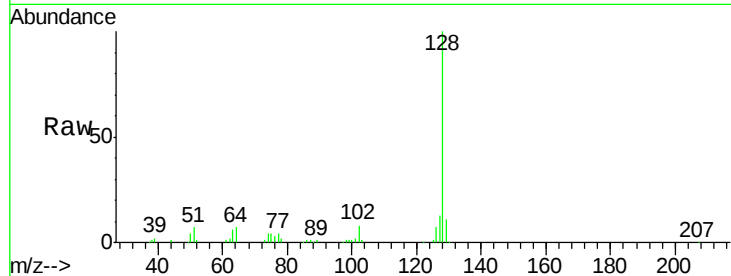
#95
Naphthalene
Concen: 17.819 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0121WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/22/2019 10:40:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.409 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029240.D
Acq: 21 Jan 2019 11:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.1	144.3
145	29.7	14.8	44.4

