

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111218\
 Data File : VU028057.D
 Acq On : 12 Nov 2018 12:08
 Operator : MD/SY
 Sample : VU1112WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 12:12:44 PM

Quant Time: Nov 13 03:00:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	164945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	287717	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	266796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	127092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	138056	56.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.60%	
35) Dibromofluoromethane	4.88	113	100657	55.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.98%	
50) Toluene-d8	7.57	98	388561	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	
62) 4-Bromofluorobenzene	10.31	95	143233	55.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	35625	16.997	ug/l	100
3) Chloromethane	1.33	50	55705	21.976	ug/l	96
4) Vinyl Chloride	1.41	62	51234	20.365	ug/l	100
5) Bromomethane	1.61	94	26864	28.267	ug/l	98
6) Chloroethane	1.69	64	32605	22.489	ug/l	100
7) Trichlorofluoromethane	1.88	101	62143	21.376	ug/l	98
8) Diethyl Ether	2.10	74	27206	21.856	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	36035	20.865	ug/l	98
10) Methyl Iodide	2.41	142	35078	26.443	ug/l	98
11) Tert butyl alcohol	2.83	59	61633	94.935	ug/l	100
12) 1,1-Dichloroethene	2.28	96	33732	19.513	ug/l	96
13) Acrolein	2.20	56	15777	60.928	ug/l	98
14) Allyl chloride	2.59	41	86924	20.573	ug/l	97
15) Acrylonitrile	2.94	53	165515	103.789	ug/l	99
16) Acetone	2.32	43	154838	101.766	ug/l	98
17) Carbon Disulfide	2.48	76	110638	19.580	ug/l	99
18) Methyl Acetate	2.61	43	89736	21.440	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	147670	21.182	ug/l	95
20) Methylene Chloride	2.70	84	47671	21.459	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	41011	20.557	ug/l	97
22) Diisopropyl ether	3.57	45	189741	21.752	ug/l	98
23) Vinyl Acetate	3.52	43	797139	106.334	ug/l	100
24) 1,1-Dichloroethane	3.45	63	92123	21.203	ug/l	99
25) 2-Butanone	4.26	43	245744	101.523	ug/l	99
26) 2,2-Dichloropropane	4.23	77	71644	21.973	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	47944	21.431	ug/l	95
28) Bromochloromethane	4.55	49	45607	22.391	ug/l	97
29) Tetrahydrofuran	4.64	42	155579	96.255	ug/l	99
30) Chloroform	4.68	83	86230	21.645	ug/l	95
31) Cyclohexane	4.99	56	90188	20.144	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	68599	21.632	ug/l	98
36) 1,1-Dichloropropene	5.14	75	62080	20.602	ug/l	100
37) Ethyl Acetate	4.38	43	87674	19.857	ug/l	100
38) Carbon Tetrachloride	5.13	117	55542	20.799	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	77316	21.273	ug/l	99
40) Benzene	5.39	78	193691	21.024	ug/l	100
41) Methacrylonitrile	4.54	41	50332	21.361	ug/l	99
42) 1,2-Dichloroethane	5.41	62	69947	21.359	ug/l	100
43) Isopropyl Acetate	5.55	43	140761	20.349	ug/l	99
44) Trichloroethene	6.19	130	41899	21.157	ug/l	98
45) 1,2-Dichloropropane	6.43	63	58127	21.877	ug/l	99
46) Dibromomethane	6.56	93	33534	21.957	ug/l	94
47) Bromodichloromethane	6.76	83	64543	21.930	ug/l	99
48) Methyl methacrylate	6.62	41	71555	21.109	ug/l	99
49) 1,4-Dioxane	6.61	88	25669	464.136	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	461689	99.940	ug/l	99
52) Toluene	7.64	92	113385	20.934	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	73537	20.816	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	79855	22.009	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	47539	21.574	ug/l	95
56) Ethyl methacrylate	8.02	69	80312	20.667	ug/l	95
57) 1,3-Dichloropropane	8.24	76	88307	22.000	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	211428	101.588	ug/l	99
59) 2-Hexanone	8.36	43	359572	100.636	ug/l	100
60) Dibromochloromethane	8.48	129	45030	21.595	ug/l	99
61) 1,2-Dibromoethane	8.59	107	49589	21.179	ug/l	99
64) Tetrachloroethene	8.23	164	37186	21.495	ug/l	97
65) Chlorobenzene	9.12	112	118451	21.014	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	40773	21.177	ug/l	98
67) Ethyl Benzene	9.25	91	218825	21.091	ug/l	99
68) m/p-Xylenes	9.38	106	157866	41.935	ug/l	95
69) o-Xylene	9.78	106	79665	20.957	ug/l	99
70) Styrene	9.79	104	128330	21.128	ug/l	98
71) Bromoform	9.96	173	32787	20.320	ug/l #	99
73) Isopropylbenzene	10.17	105	213122	21.646	ug/l	100
74) N-amyl acetate	10.01	43	128256	21.543	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	86094	21.678	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	74102m	21.316	ug/l	
77) Bromobenzene	10.45	156	48551	21.505	ug/l	97
78) n-propylbenzene	10.59	91	253562	21.515	ug/l	100
79) 2-Chlorotoluene	10.66	91	152699	21.616	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	178419	21.876	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	22897m	16.622	ug/l	
82) 4-Chlorotoluene	10.77	91	171682	21.408	ug/l	98
83) tert-Butylbenzene	11.10	119	171059	20.979	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	180042	21.922	ug/l	100
85) sec-Butylbenzene	11.32	105	215640	21.746	ug/l	99
86) p-Isopropyltoluene	11.48	119	178548	21.539	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	89087	21.361	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	87724	20.522	ug/l	99
89) n-Butylbenzene	11.89	91	164897	20.930	ug/l	99
90) Hexachloroethane	12.15	117	32551	22.055	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	89077	21.239	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	16927	20.227	ug/l	98

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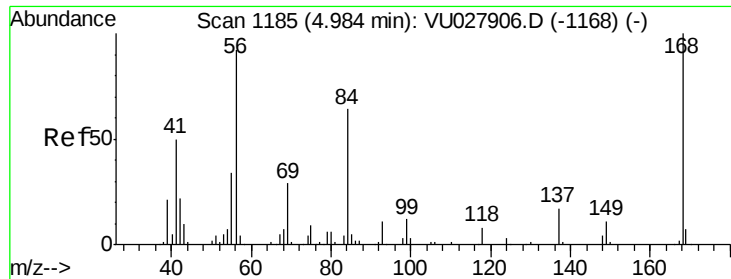
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	52928	18.433	ug/l	97
94) Hexachlorobutadiene	13.69	225	28420	21.321	ug/l	98
95) Naphthalene	13.74	128	189555	18.067	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	57409	20.399	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: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

Tgt Ion:168 Resp: 164945

Ion Ratio Lower Upper

168 100

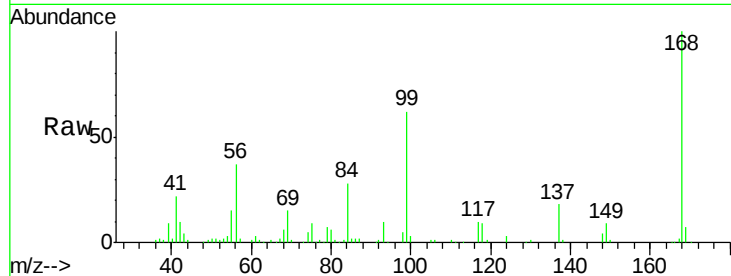
99 61.3 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.98

80000

60000

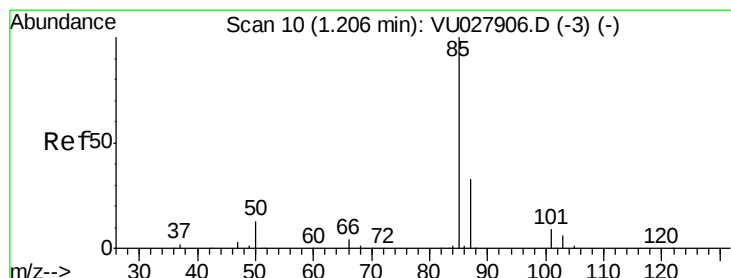
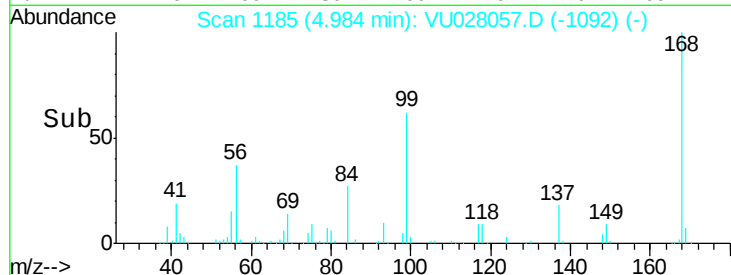
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.997 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028057.D

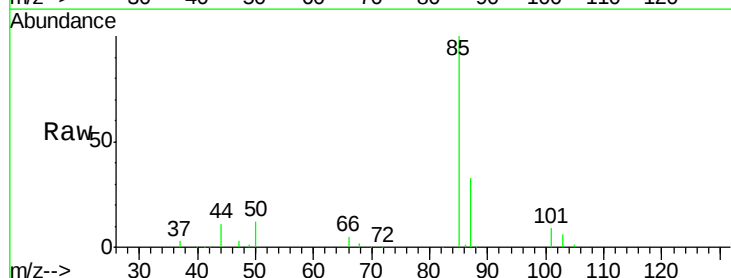
Acq: 12 Nov 2018 12:08

Tgt Ion: 85 Resp: 35625

Ion Ratio Lower Upper

85 100

87 33.1 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027906.D (-3) (-)

1.21

40000

30000

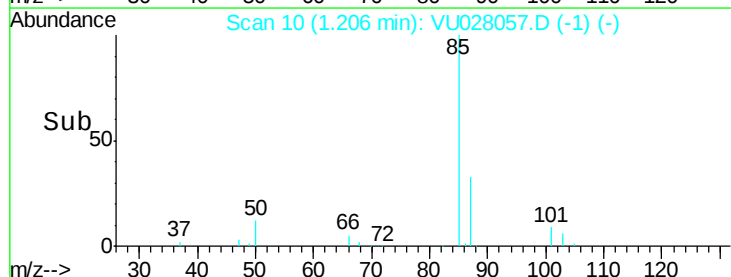
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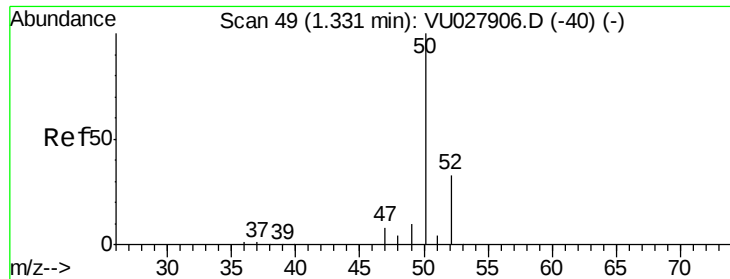
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 21.976 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

Tgt Ion: 50 Resp: 55705

Ion Ratio Lower Upper

50 100

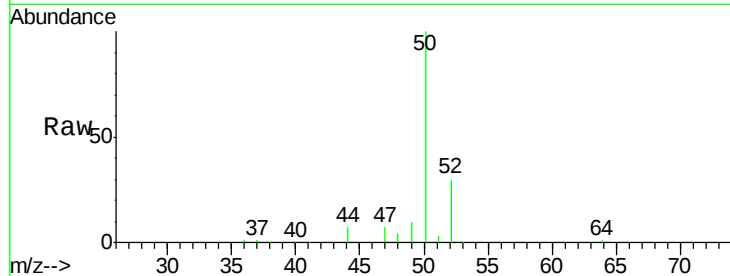
52 30.5 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU027906.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027906.D (-40) (-)

1.33

1.35

1.40

1.45

1.50

1.55

1.60

1.65

1.70

1.75

1.80

1.85

1.90

1.95

2.00

2.05

2.10

2.15

2.20

2.25

2.30

2.35

2.40

2.45

2.50

2.55

2.60

2.65

2.70

2.75

2.80

2.85

2.90

2.95

3.00

3.05

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3.50

3.55

3.60

3.65

3.70

3.75

3.80

3.85

3.90

3.95

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4.60

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4.75

4.80

4.85

4.90

4.95

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5.90

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6.85

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8.65

8.70

8.75

8.80

8.85

8.90

8.95

9.00

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9.20

9.25

9.30

9.35

9.40

9.45

9.50

9.55

9.60

9.65

9.70

9.75

9.80

9.85

9.90

9.95

10.00

10.05

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10.20

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10.40

10.45

10.50

10.55

10.60

10.65

10.70

10.75

10.80

10.85

10.90

10.95

11.00

11.05

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11.45

11.50

11.55

11.60

11.65

11.70

11.75

11.80

11.85

11.90

11.95

12.00

12.05

12.10

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12.25

12.30

12.35

12.40

12.45

12.50

12.55

12.60

12.65

12.70

12.75

12.80

12.85

12.90

12.95

13.00

13.05

13.10

13.15

13.20

13.25

13.30

13.35

13.40

13.45

13.50

13.55

13.60

13.65

13.70

13.75

13.80

13.85

13.90

13.95

14.00

14.05

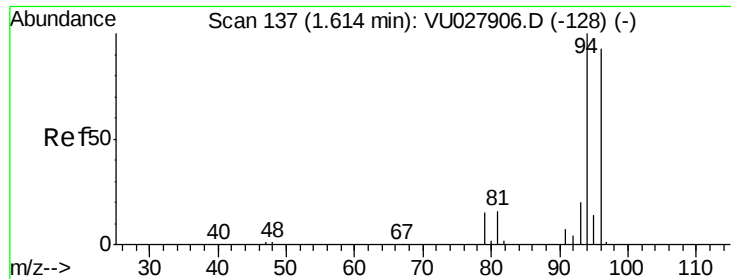
14.10

14.15

14.20

14.25

14.30



#5

Bromomethane

Concen: 28.267 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

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VU1112WBS01

Tgt Ion: 94 Resp: 26864

Ion Ratio Lower Upper

94 100

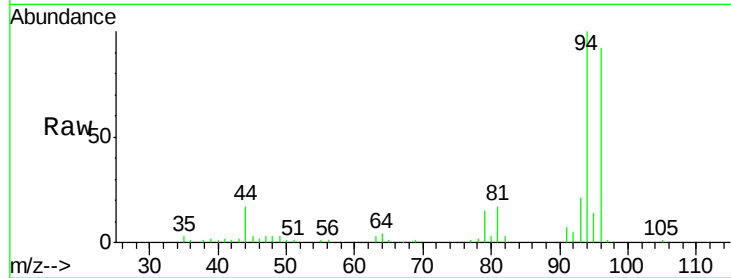
96 91.8 74.8 112.2

Manual Integrations

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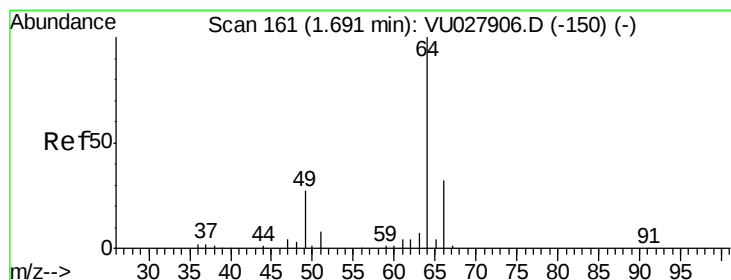
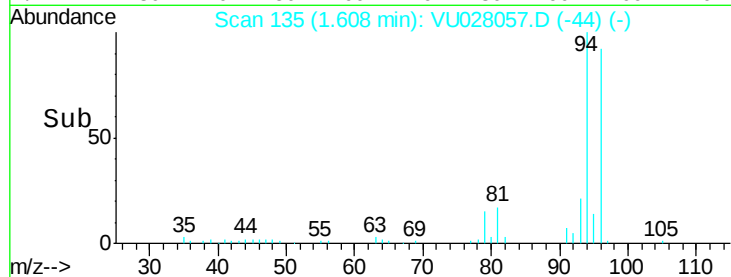
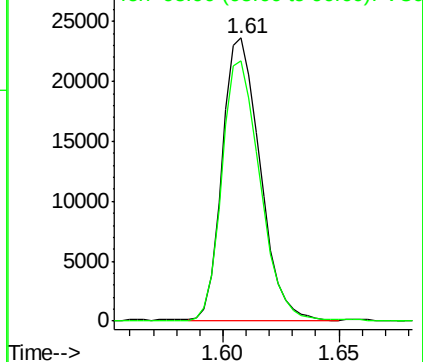
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 22.489 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.00 min

Lab File: VU028057.D

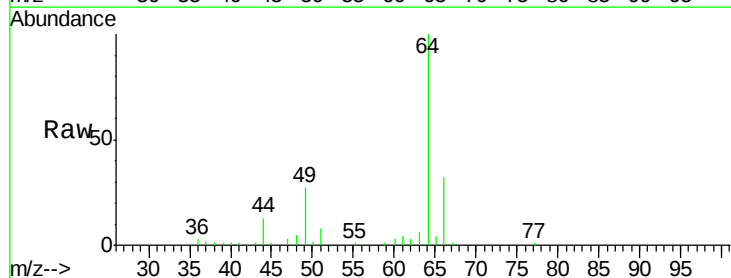
Acq: 12 Nov 2018 12:08

Tgt Ion: 64 Resp: 32605

Ion Ratio Lower Upper

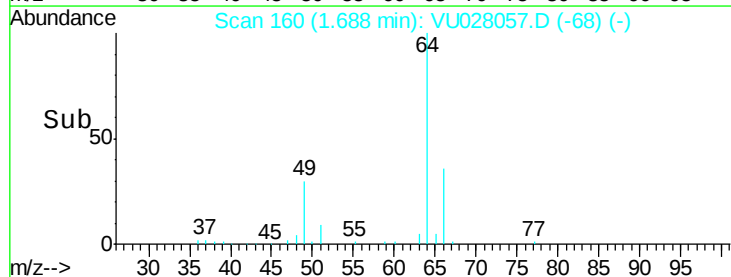
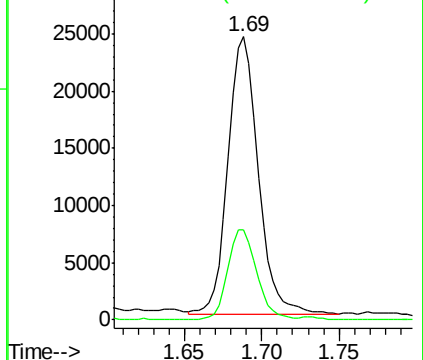
64 100

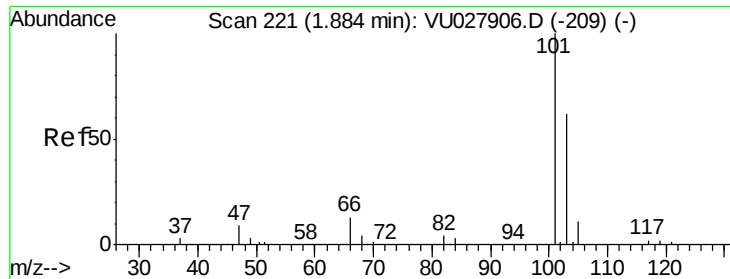
66 32.6 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

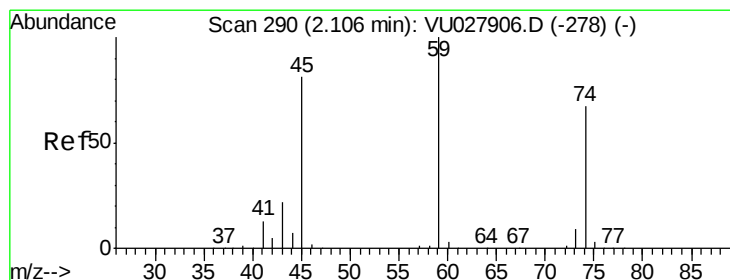
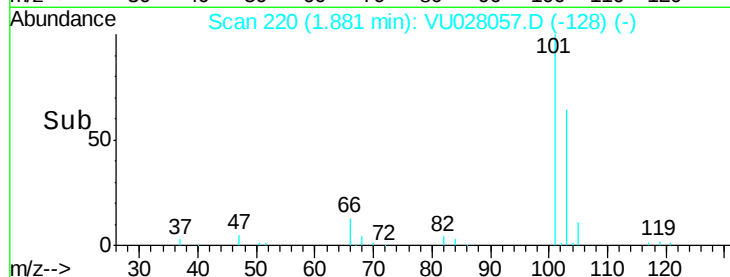
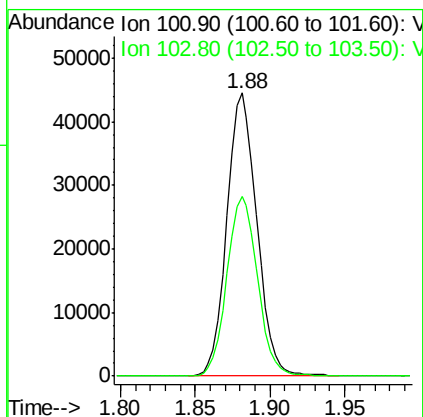
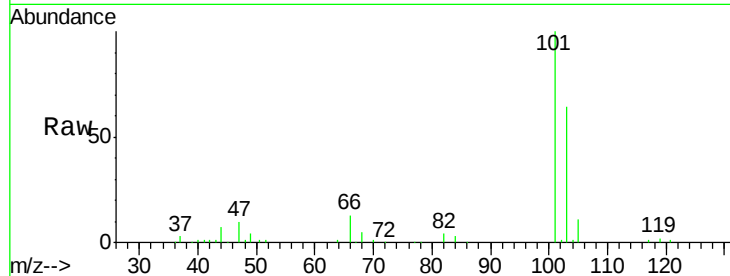
Trichlorofluoromethane
Concen: 21.376 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.00 min
Lab File: VU028057.D
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Tgt Ion: 101 Resp: 62143
Ion Ratio Lower Upper
101 100
103 63.7 49.4 74.2

Manual Integrations
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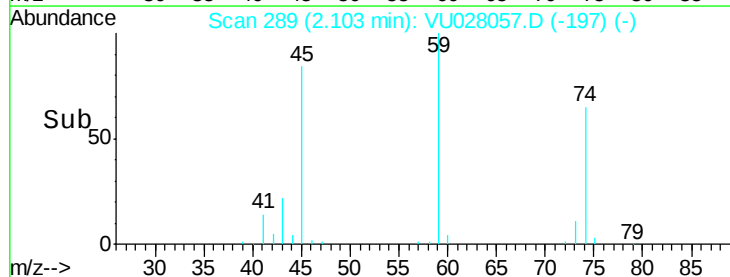
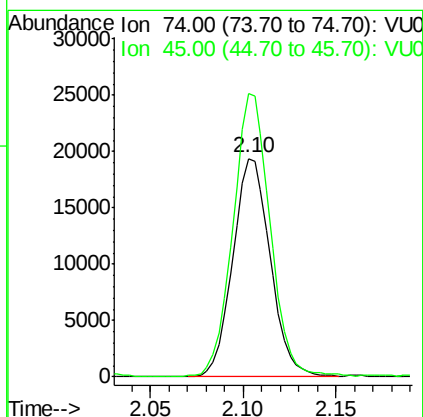
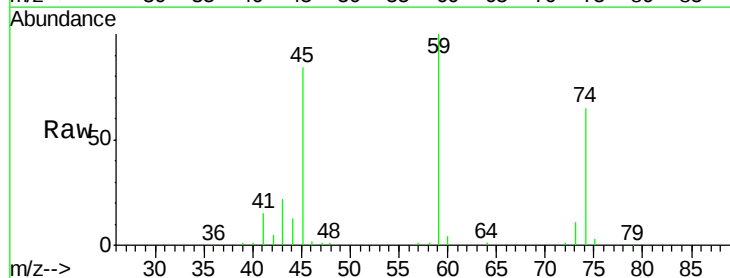
MMDadoda
11/13/2018 12:12:44 PM

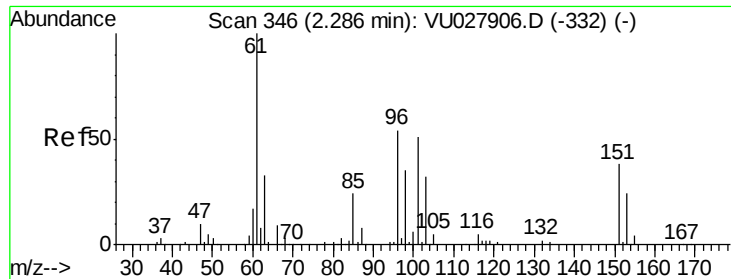


#8

Diethyl Ether
Concen: 21.856 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion: 74 Resp: 27206
Ion Ratio Lower Upper
74 100
45 128.9 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.865 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

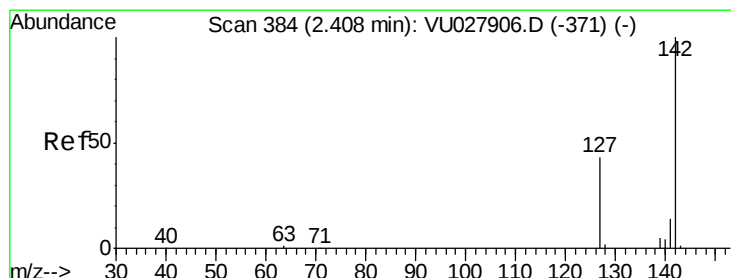
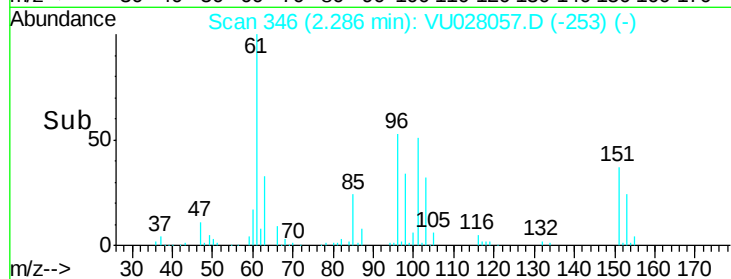
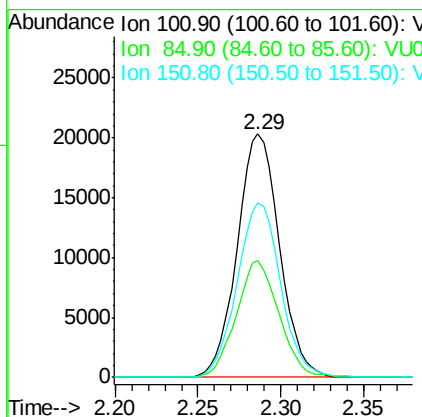
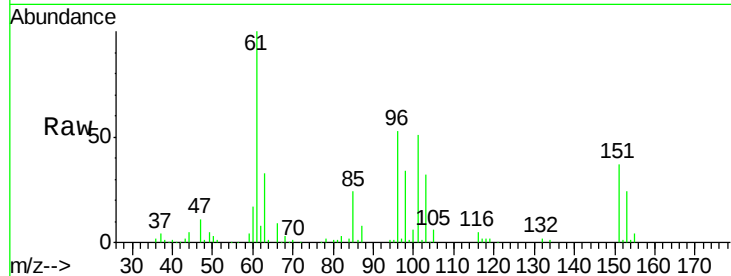
ClientSampleId :

VU1112WBS01

Tgt Ion:	101	Resp:	36035
Ion Ratio	Lower	Upper	
101	100		
85	48.2	36.9	55.3
151	73.6	58.0	87.0

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#10

Methyl Iodide

Concen: 26.443 ug/l

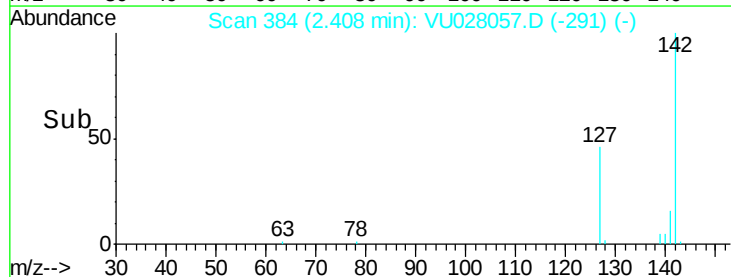
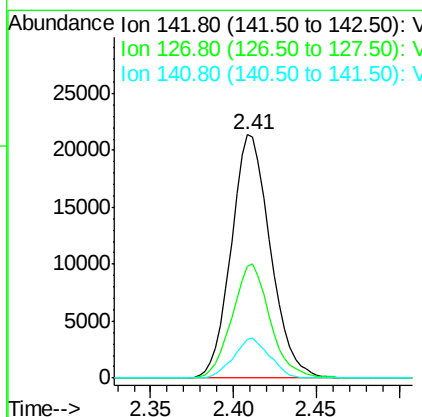
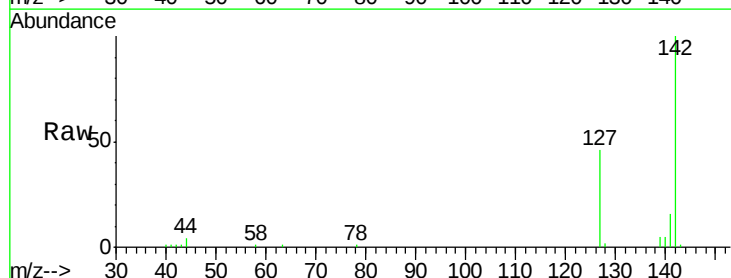
RT: 2.41 min Scan# 384

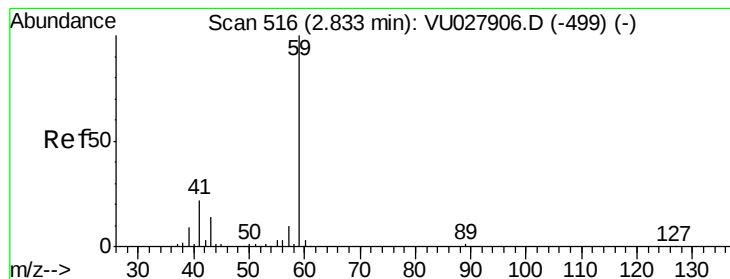
Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Tgt Ion:	142	Resp:	35078
Ion Ratio	Lower	Upper	
142	100		
127	45.5	35.2	52.8
141	15.0	11.8	17.8





#11

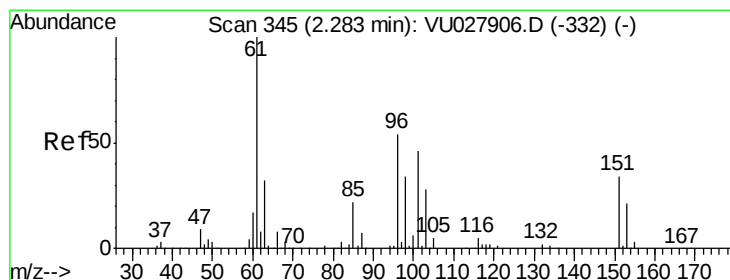
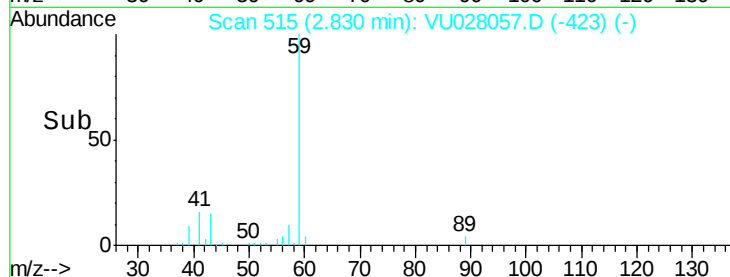
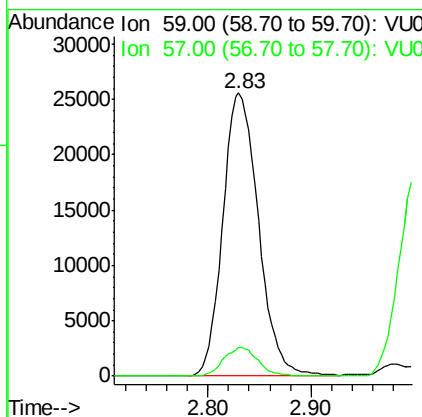
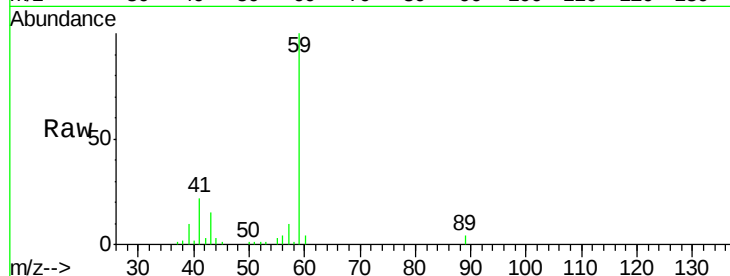
Tert butyl alcohol
 Concen: 94.935 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.8	11.8

Manual Integrations
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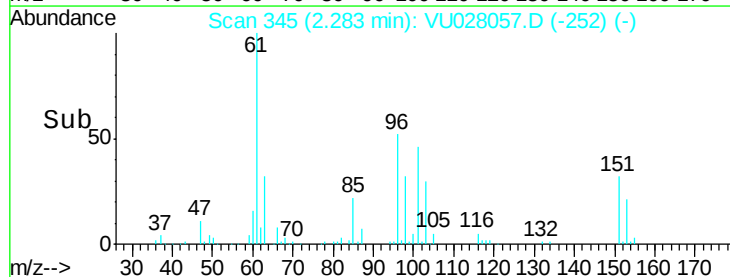
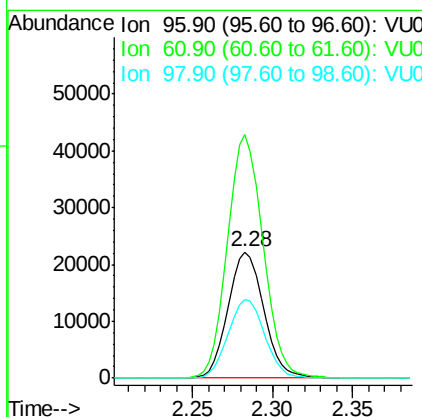
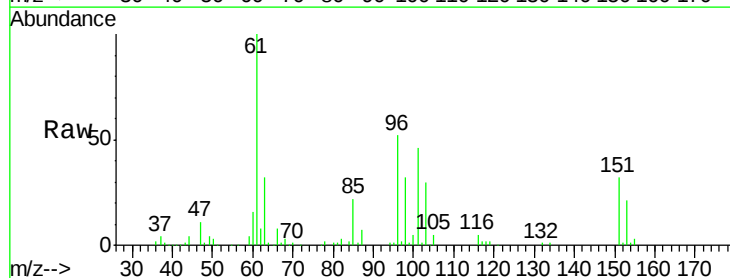
MMDadoda
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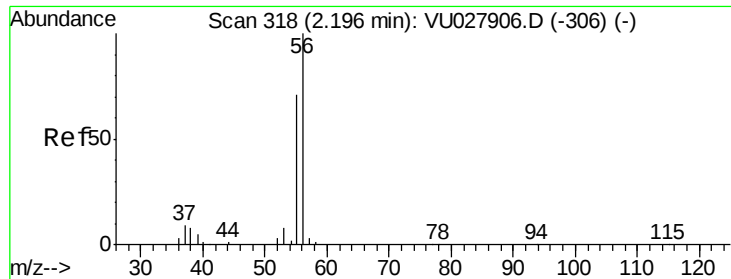


#12

1,1-Dichloroethene
 Concen: 19.513 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	192.9	149.3	223.9
98	62.1	50.6	75.8





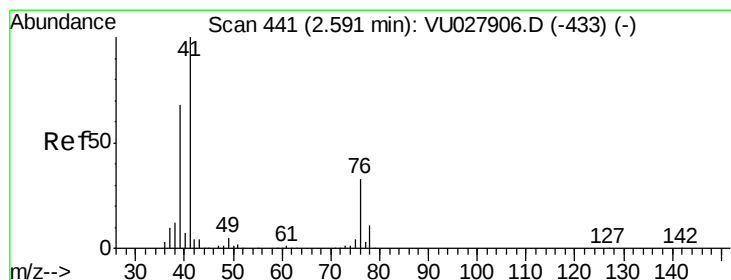
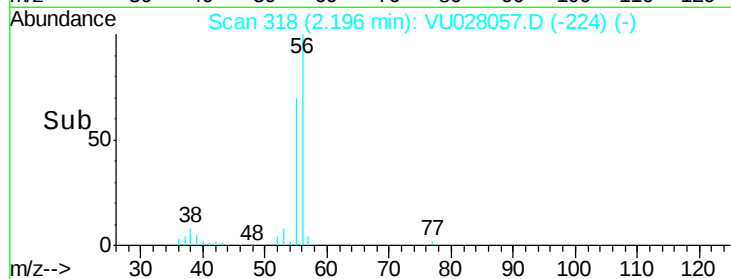
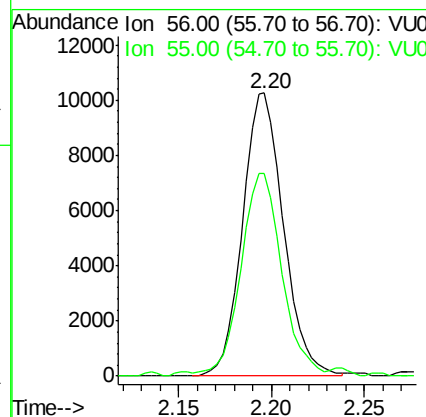
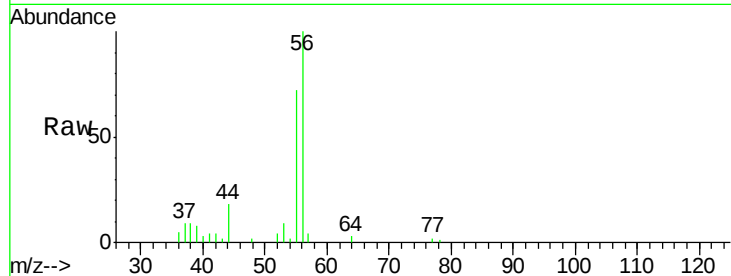
#13
Acrolein
Concen: 60.928 ug/l
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
55	72.1	56.2	84.4

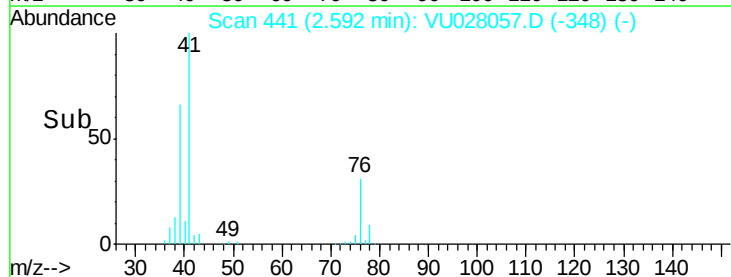
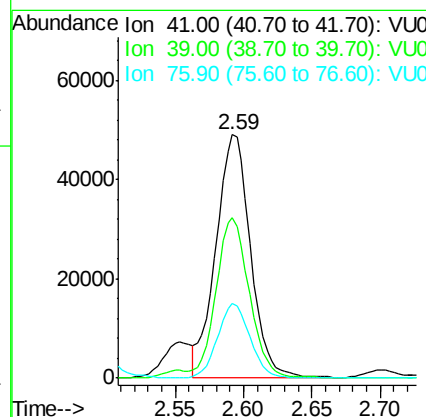
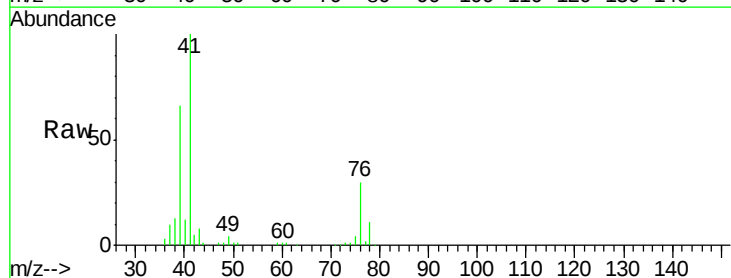
Manual Integrations
APPROVED

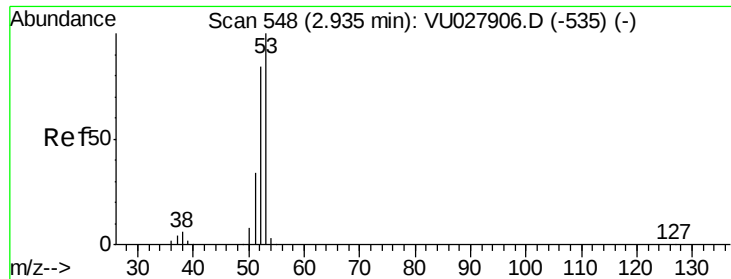
MMDadoda
11/13/2018 12:12:44 PM



#14
Allyl chloride
Concen: 20.573 ug/l
RT: 2.59 min Scan# 441
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.1	51.9	77.9
76	28.6	23.8	35.6





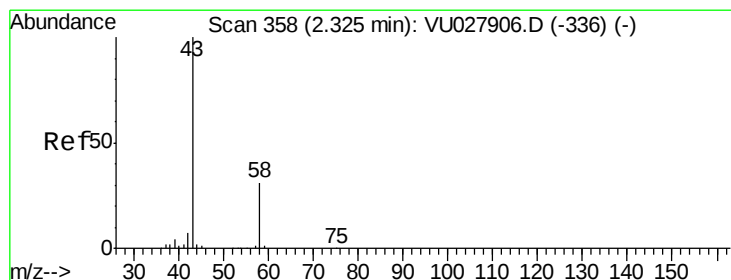
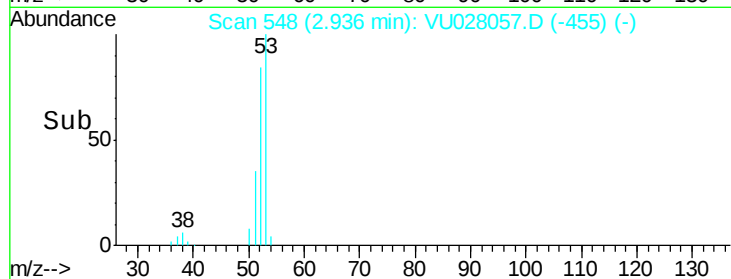
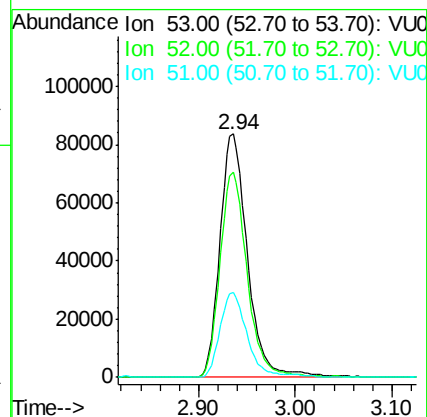
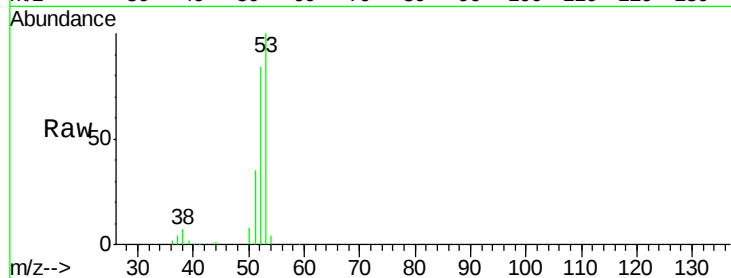
#15
Acrylonitrile
Concen: 103.789 ug/l
RT: 2.94 min Scan# 548
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.2
51	34.9	27.0	40.4

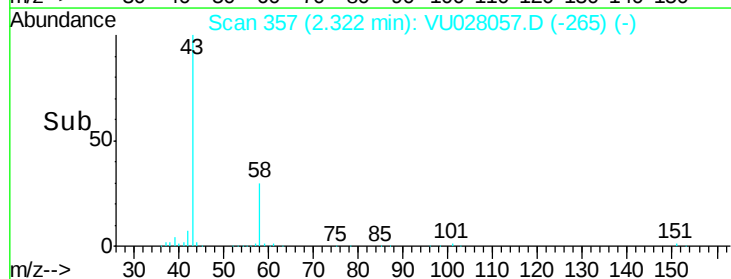
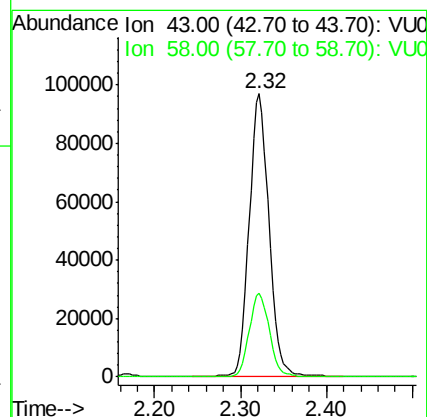
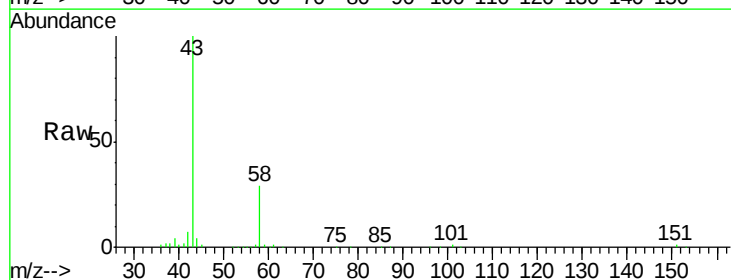
Manual Integrations
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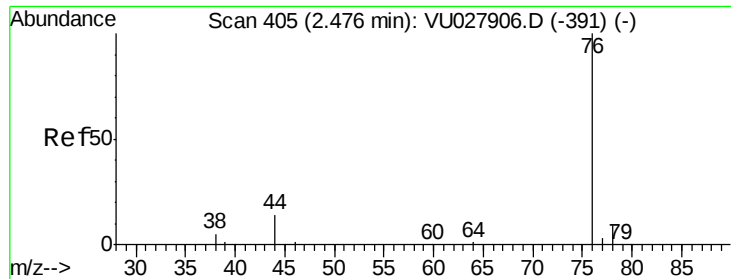
MMDadoda
11/13/2018 12:12:44 PM



#16
Acetone
Concen: 101.766 ug/l
RT: 2.32 min Scan# 357
Delta R.T. -0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.6	37.0





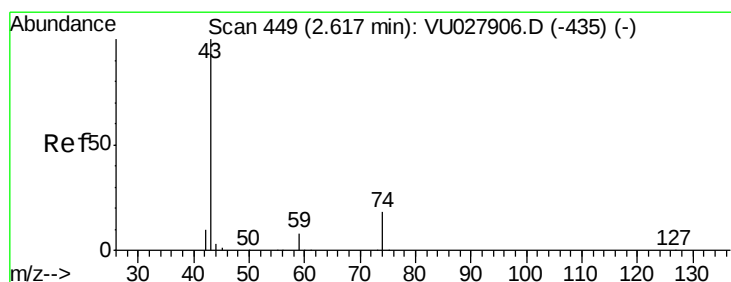
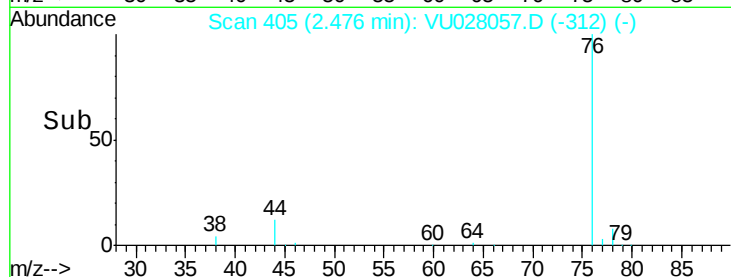
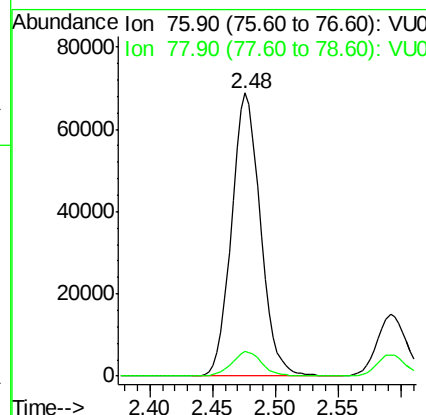
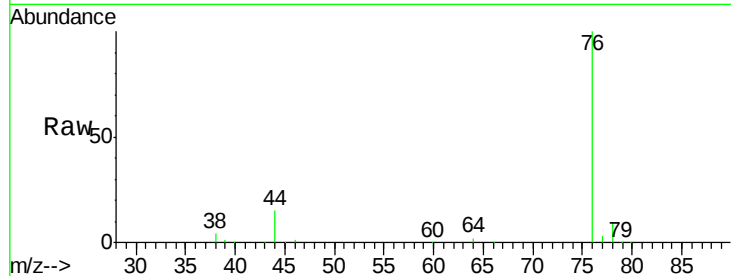
#17
Carbon Disulfide
Concen: 19.580 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

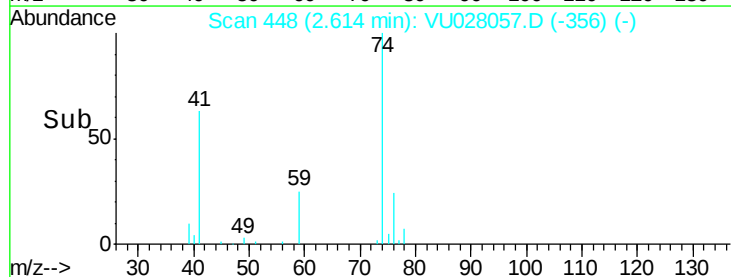
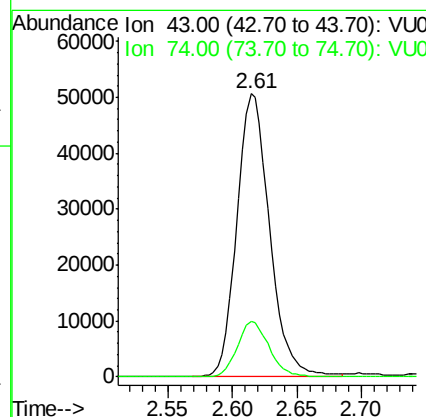
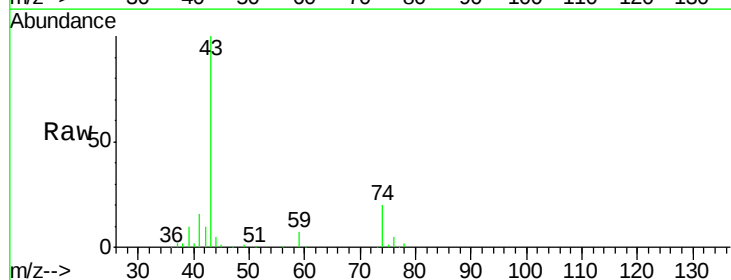
Manual Integrations
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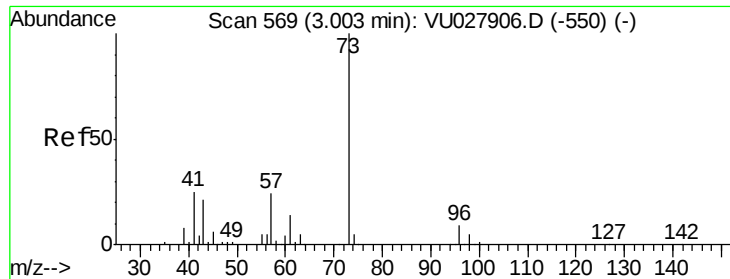
MMDadoda
11/13/2018 12:12:44 PM



#18
Methyl Acetate
Concen: 21.440 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.0	14.9	22.3





#19

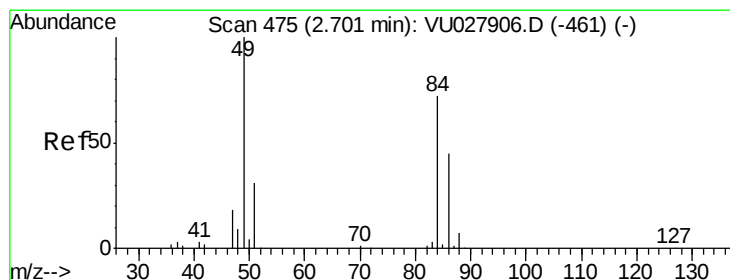
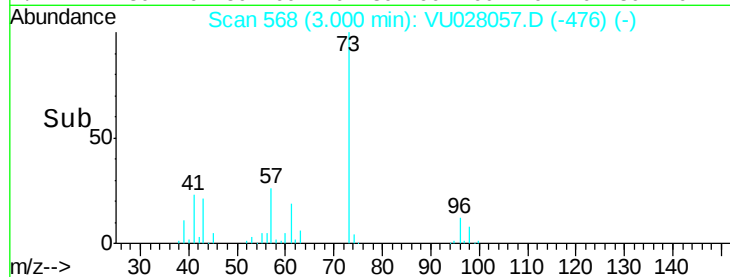
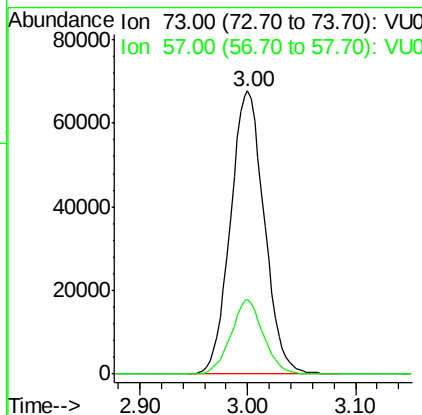
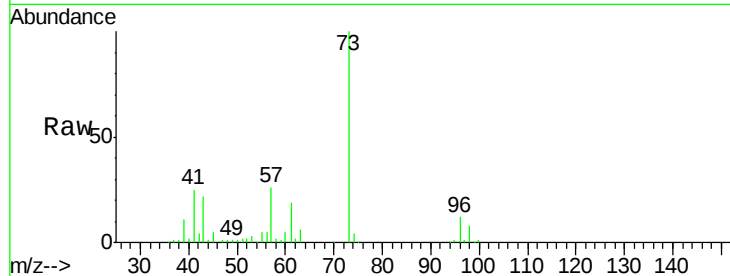
Methyl tert-butyl Ether
 Concen: 21.182 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

Tgt Ion	Ratio	Lower	Upper
73	100		
57	26.4	19.3	28.9

Manual Integrations
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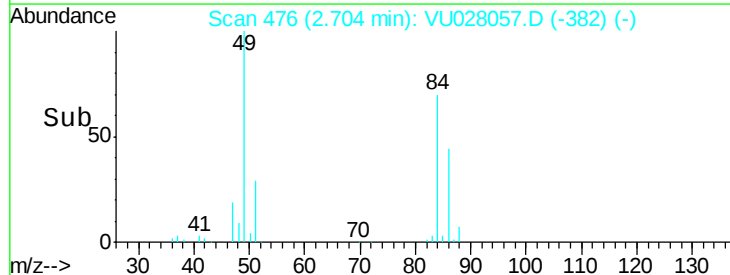
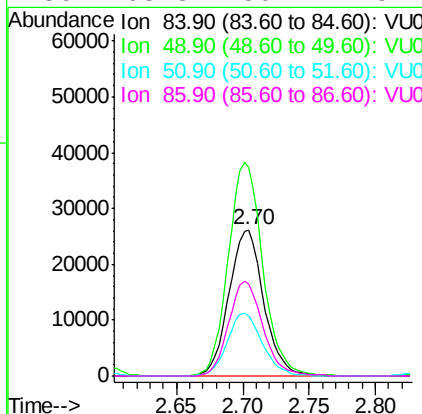
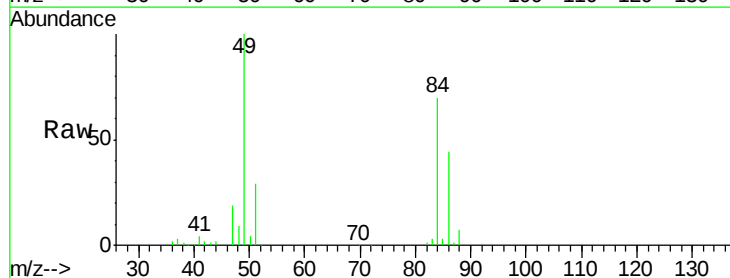
MMDadoda
 11/13/2018 12:12:44 PM

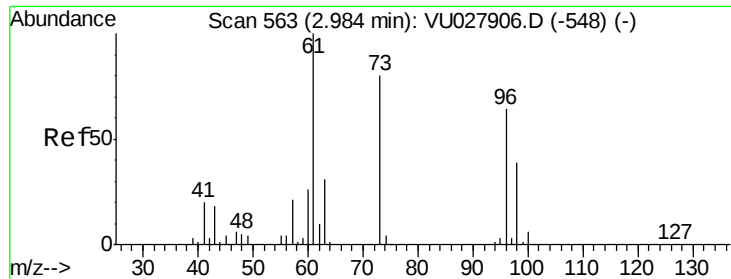


#20

Methylene Chloride
 Concen: 21.459 ug/l
 RT: 2.70 min Scan# 476
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.2	111.6	167.4
51	41.4	34.8	52.2
86	63.3	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 20.557 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

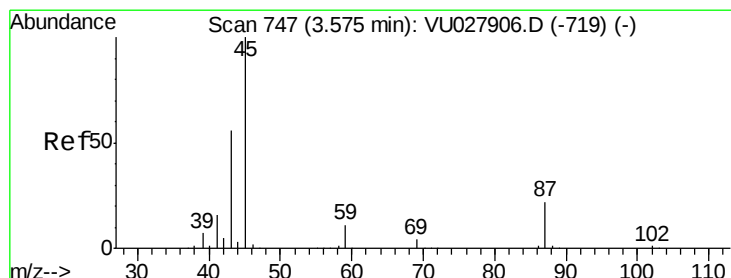
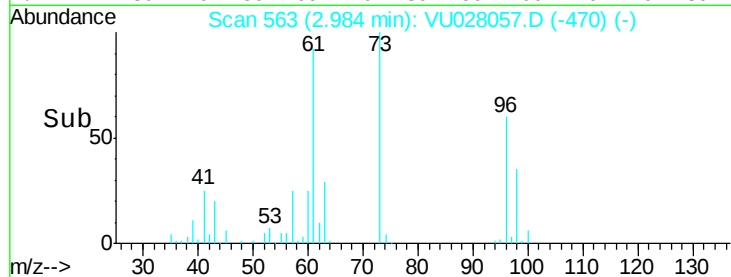
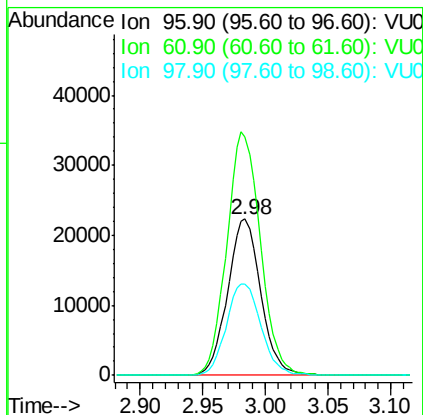
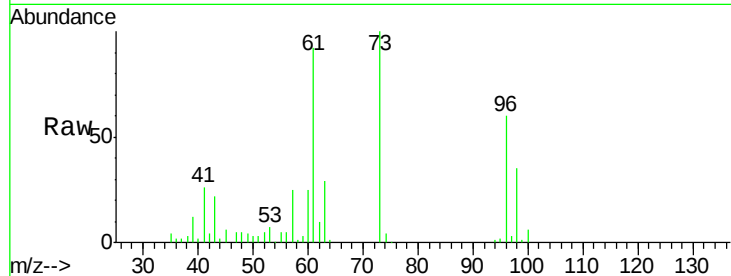
ClientSampleId :

VU1112WBS01

Tgt Ion:	96	Resp:	41011
Ion	Ratio	Lower	Upper
96	100		
61	152.6	125.0	187.6
98	58.7	48.2	72.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.752 ug/l

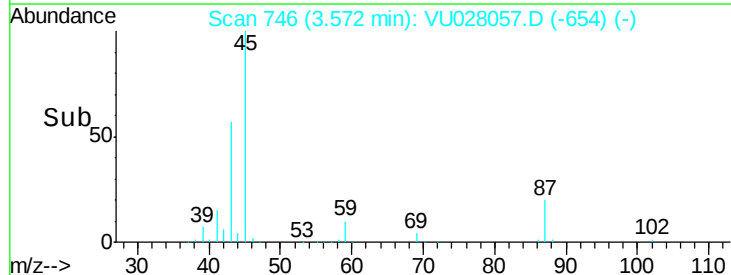
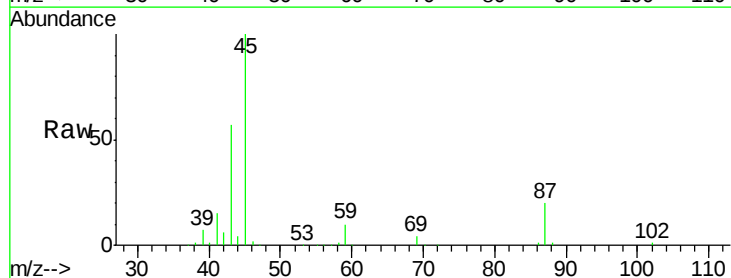
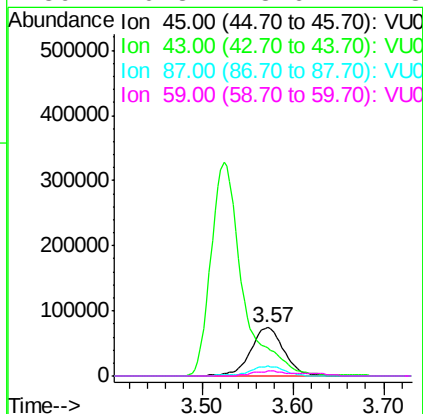
RT: 3.57 min Scan# 746

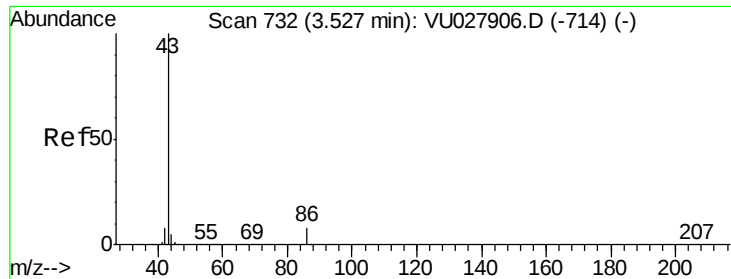
Delta R.T. -0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Tgt Ion:	45	Resp:	189741
Ion	Ratio	Lower	Upper
45	100		
43	55.7	45.0	67.6
87	20.2	17.9	26.9
59	10.3	8.6	12.8





#23

Vinyl Acetate

Concen: 106.334 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

Tgt Ion: 43 Resp: 797139

Ion Ratio Lower Upper

43 100

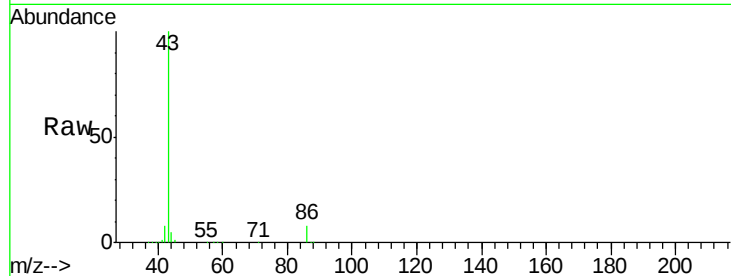
86 8.4 6.6 9.8

Manual Integrations

APPROVED

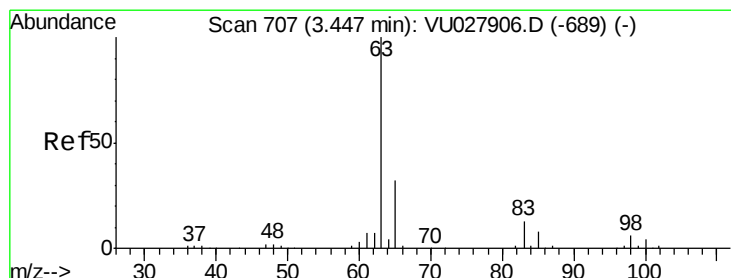
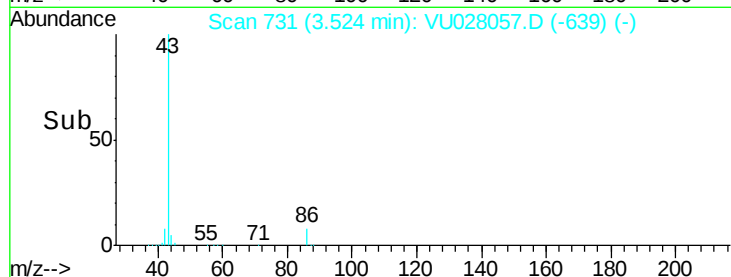
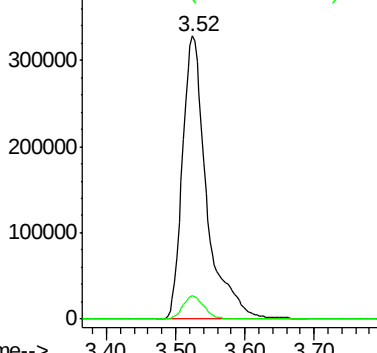
MMDadoda

11/13/2018 12:12:44 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 21.203 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

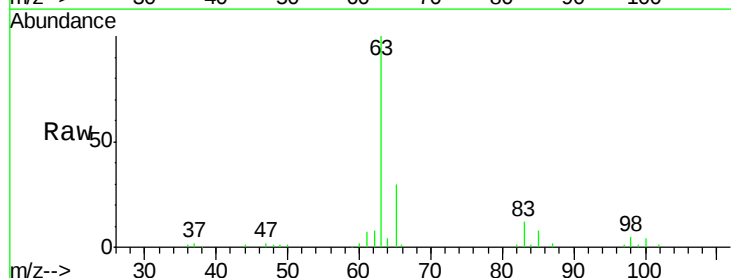
Tgt Ion: 63 Resp: 92123

Ion Ratio Lower Upper

63 100

98 5.3 2.9 8.6

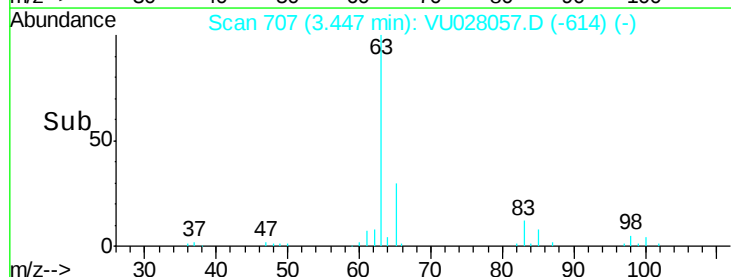
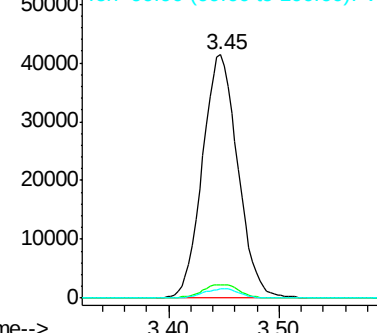
100 3.8 2.0 6.0

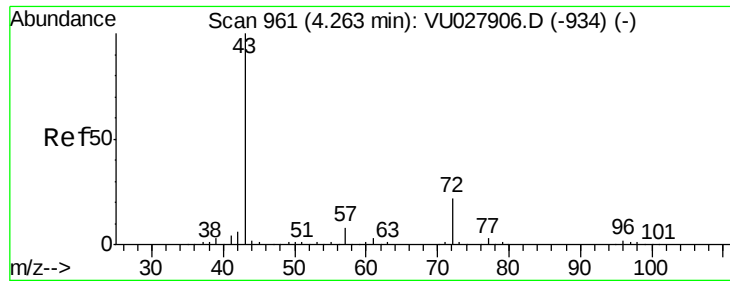


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 101.523 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

Tgt Ion: 43 Resp: 245744

Ion Ratio Lower Upper

43 100

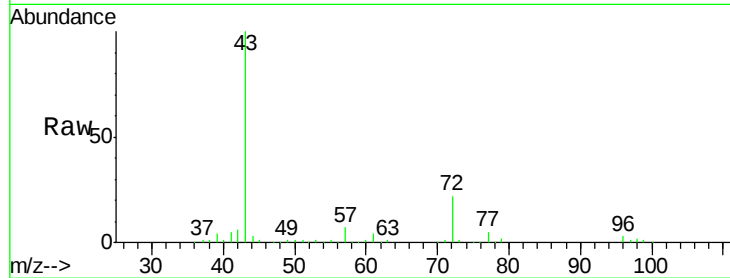
72 21.6 17.7 26.5

Manual Integrations

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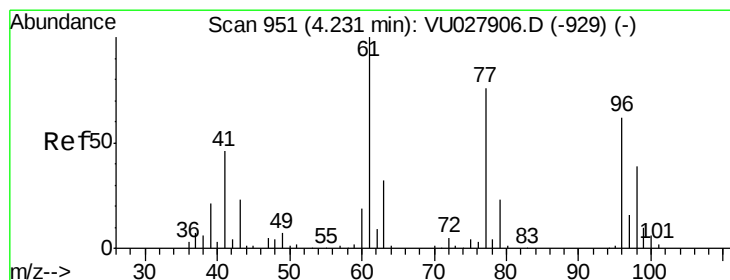
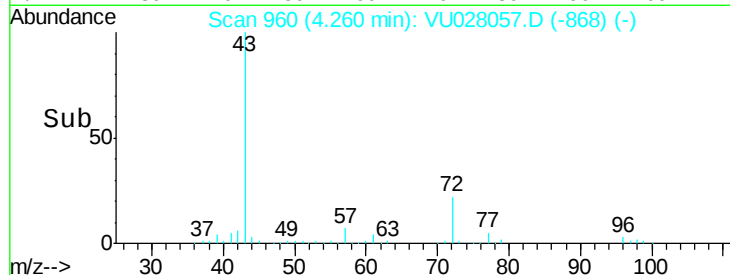
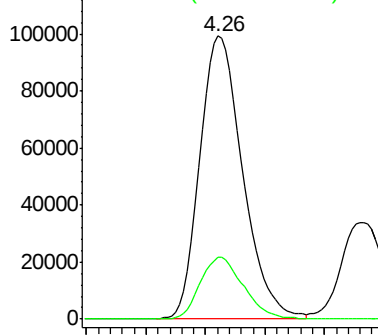
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 21.973 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028057.D

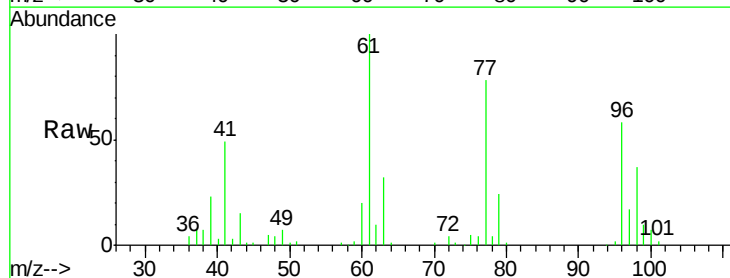
Acq: 12 Nov 2018 12:08

Tgt Ion: 77 Resp: 71644

Ion Ratio Lower Upper

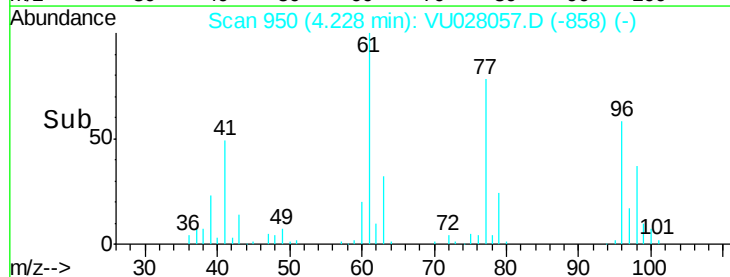
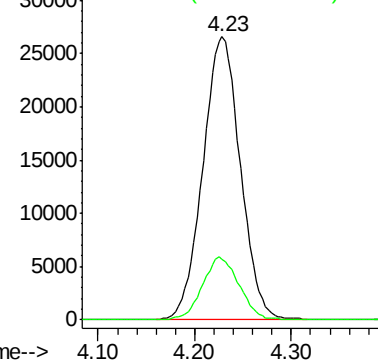
77 100

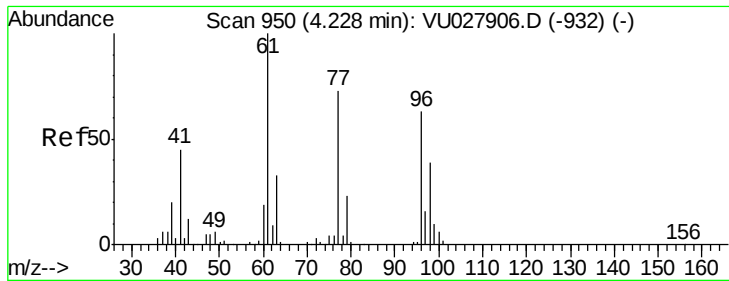
97 21.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

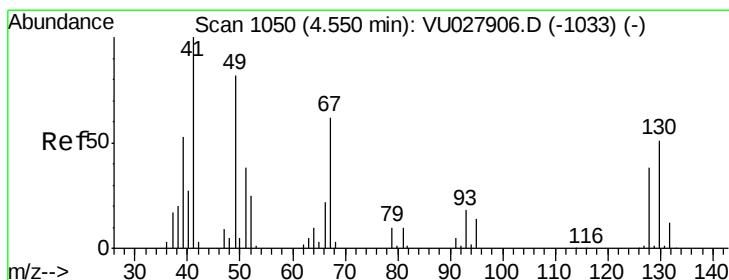
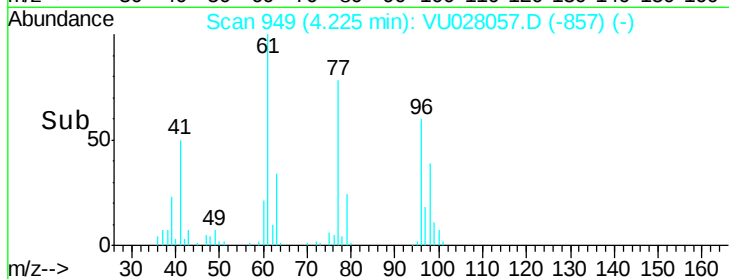
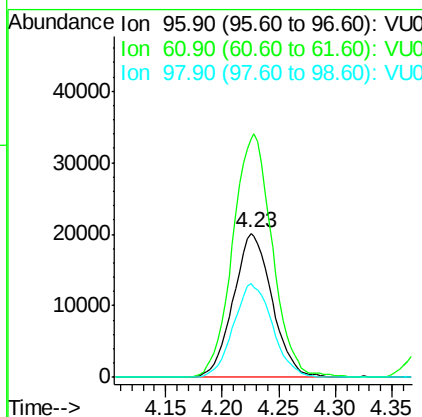
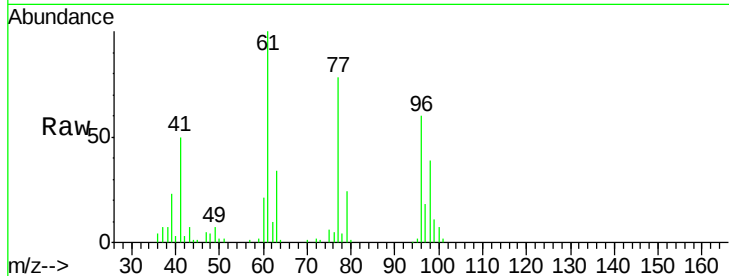
cis-1,2-Dichloroethene
Concen: 21.431 ug/l
RT: 4.23 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.2	0.0	329.6
98	65.2	0.0	127.2

Manual Integrations
APPROVED

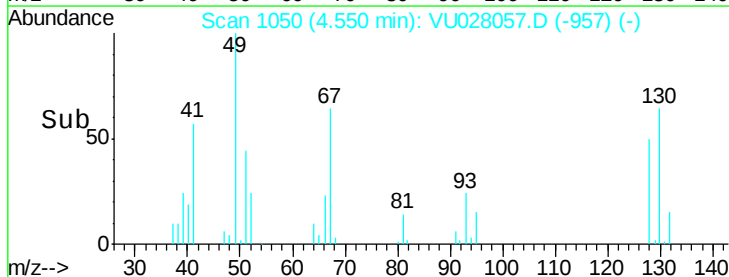
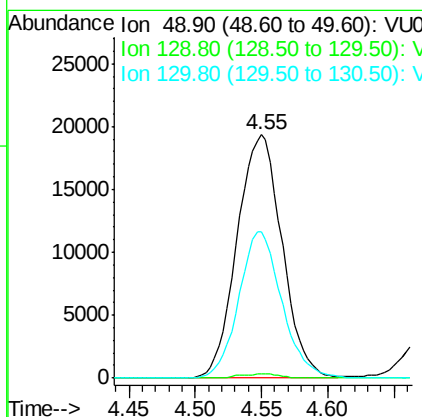
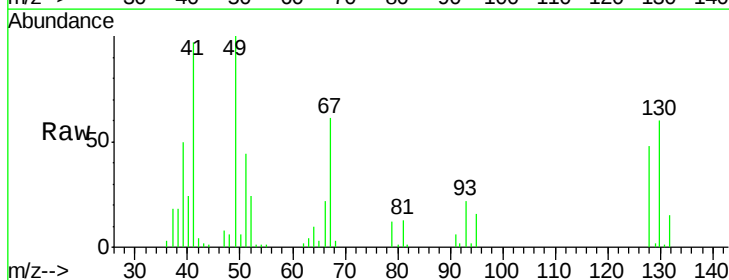
MMDadoda
11/13/2018 12:12:44 PM

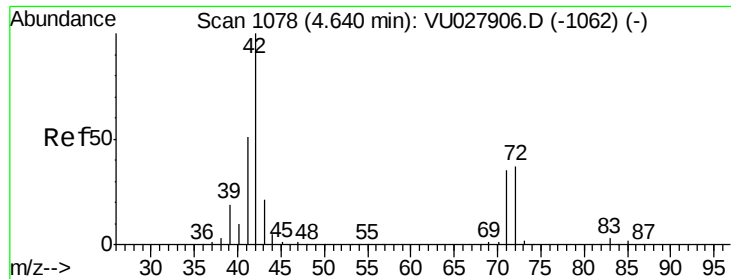


#28

Bromochloromethane
Concen: 22.391 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	57.7	47.8	71.6





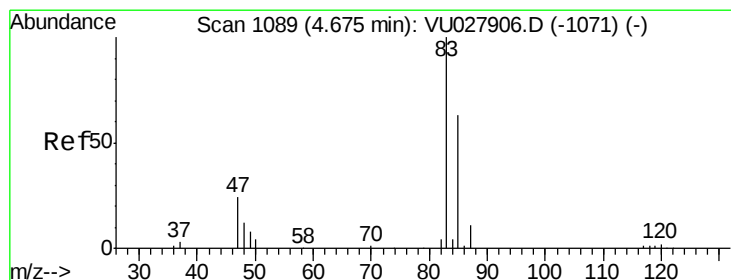
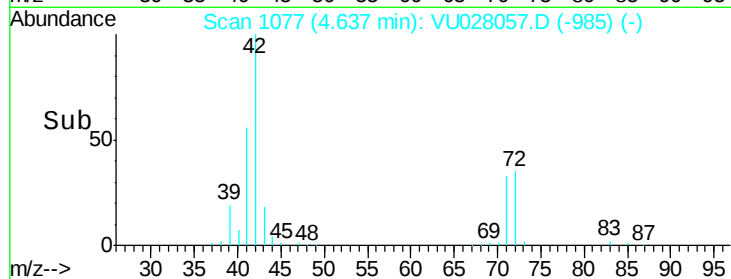
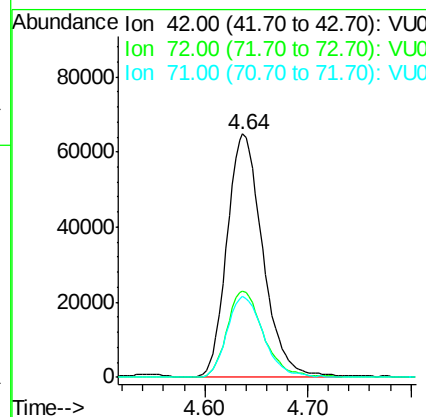
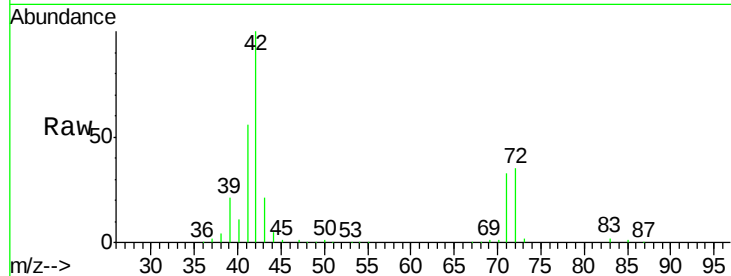
#29
Tetrahydrofuran
Concen: 96.255 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.0	29.4	44.0
71	34.1	27.9	41.9

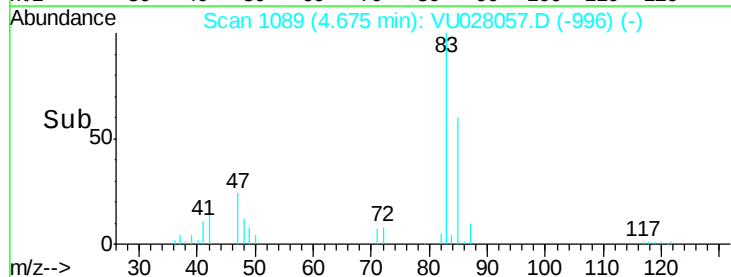
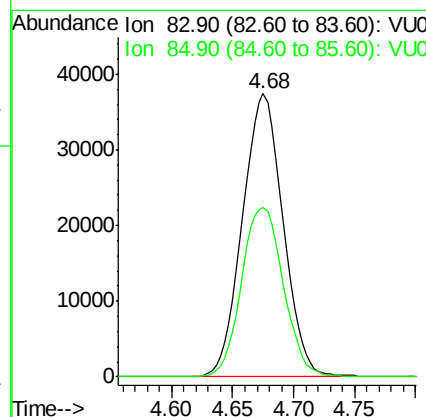
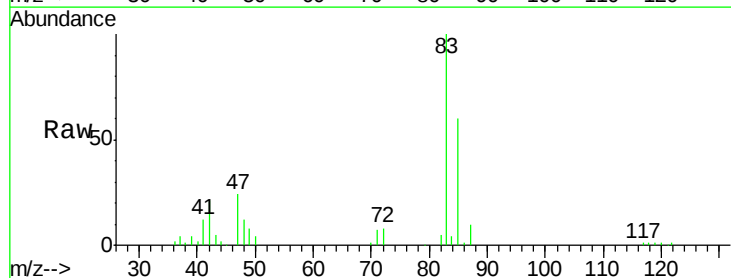
Manual Integrations
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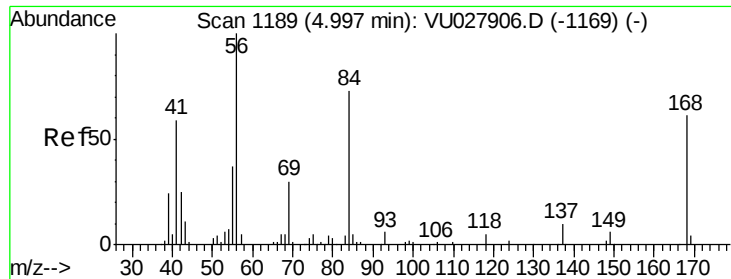
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#30
Chloroform
Concen: 21.645 ug/l
RT: 4.68 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.7	50.6	76.0





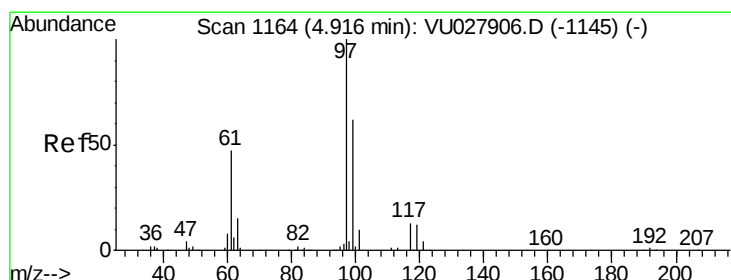
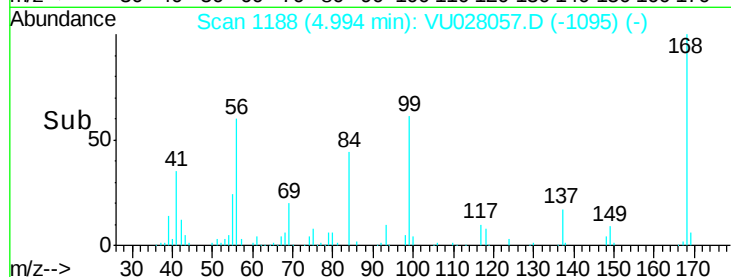
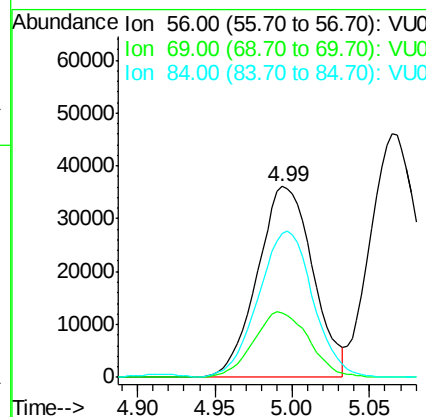
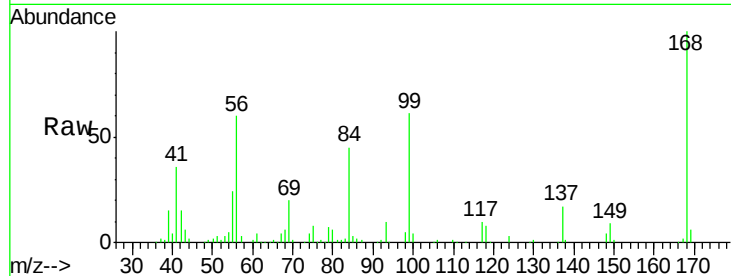
#31
Cyclohexane
Concen: 20.144 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.9	23.7	35.5
84	74.9	58.2	87.4

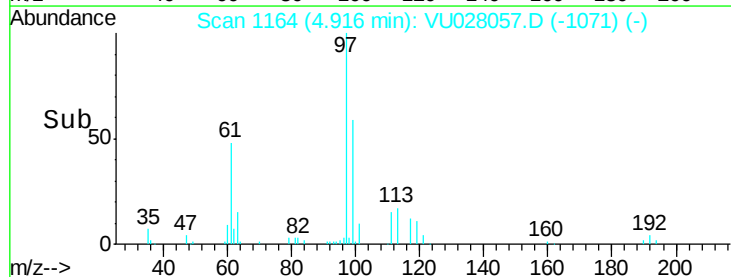
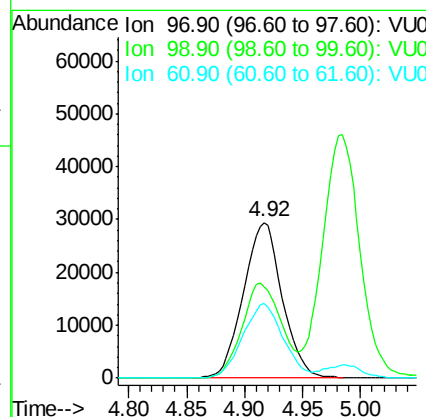
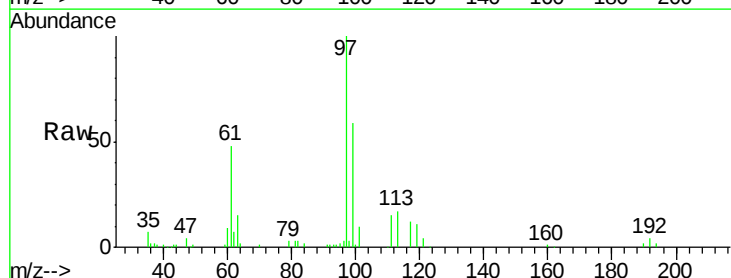
Manual Integrations
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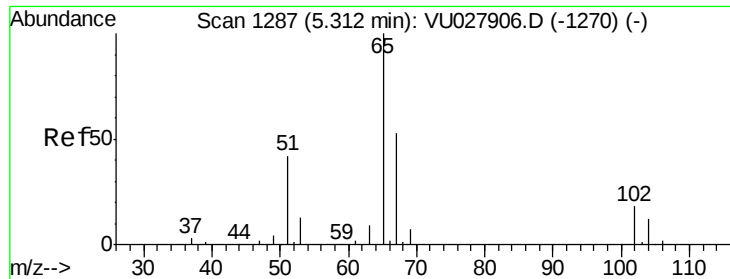
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#32
1,1,1-Trichloroethane
Concen: 21.632 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.6	50.5	75.7
61	49.8	38.3	57.5





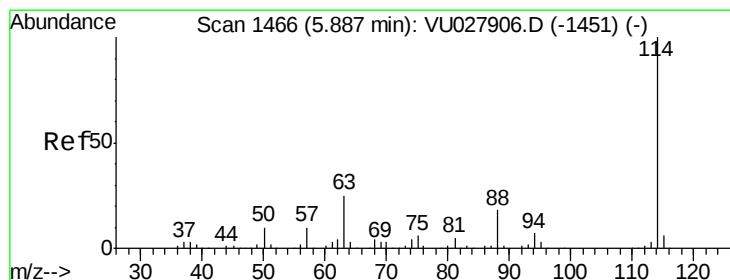
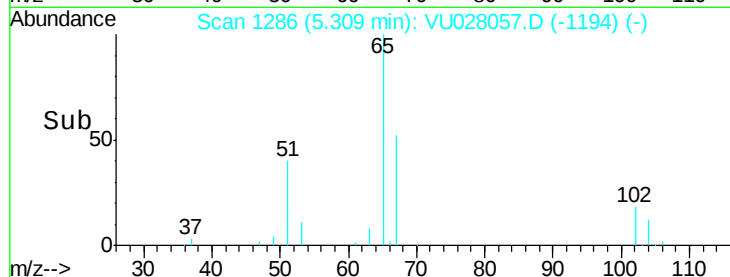
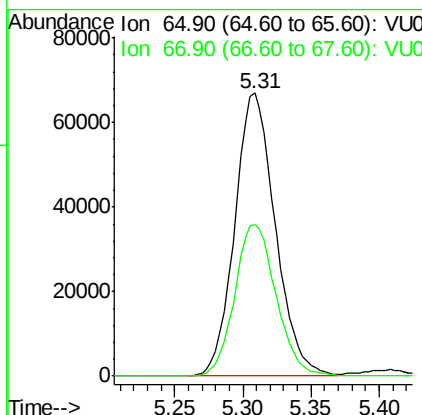
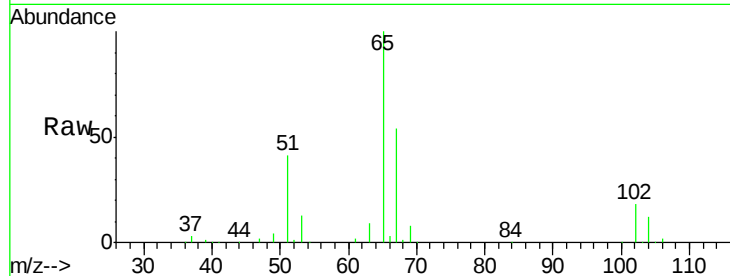
#33
 1,2-Dichloroethane-d4
 Concen: 56.296 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	138056		
67	54.7	0.0	109.0	

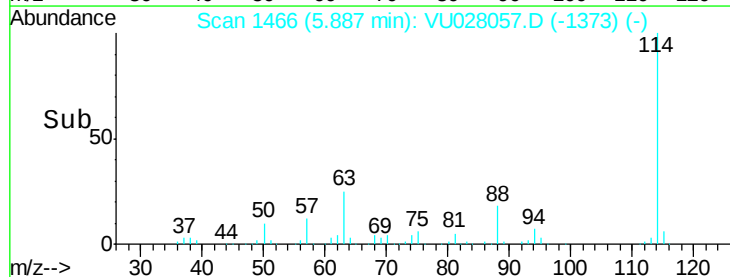
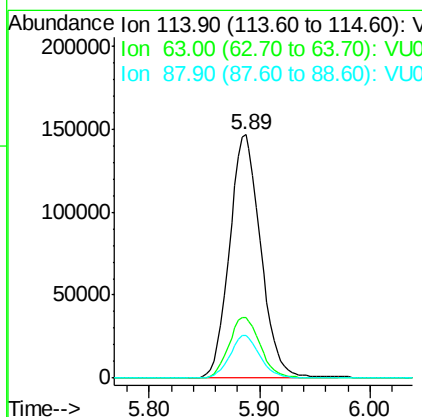
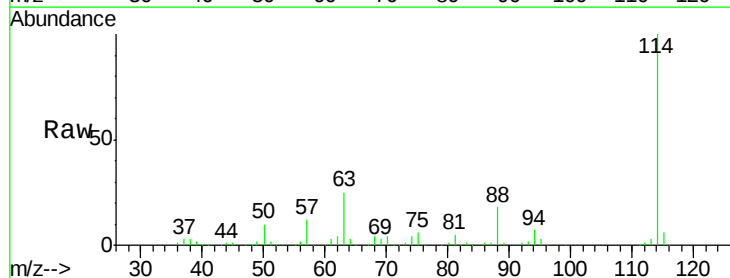
Manual Integrations
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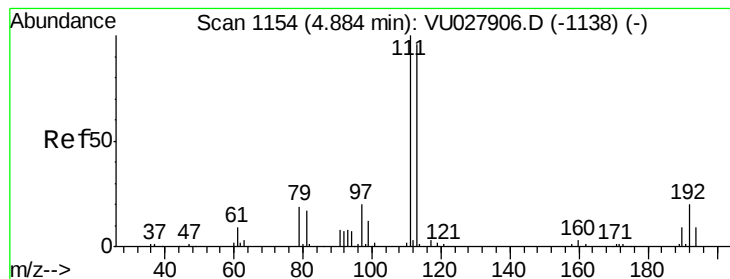
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 11/13/2018 12:12:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	287717		
63	24.8	0.0	50.8	
88	17.5	0.0	35.8	





#35

Dibromofluoromethane

Concen: 55.486 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

Tgt Ion: 113 Resp: 100657
Ion Ratio Lower Upper

113 100

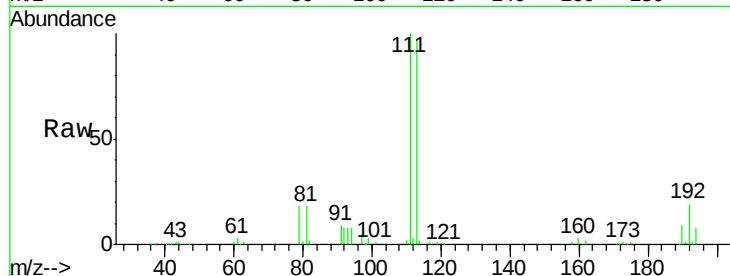
111 102.0 83.0 124.6

192 18.8 15.6 23.4

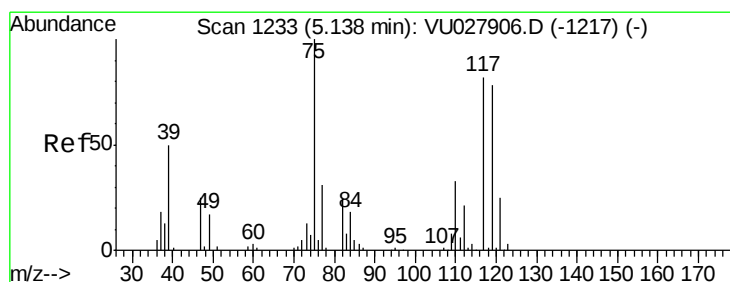
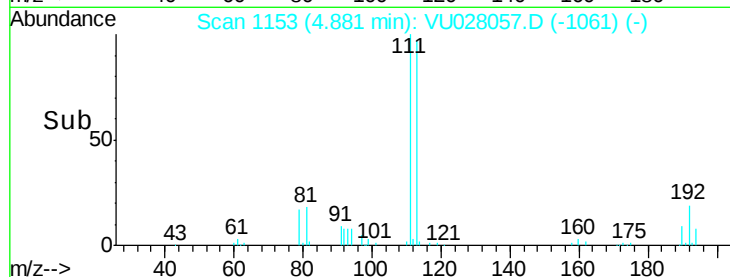
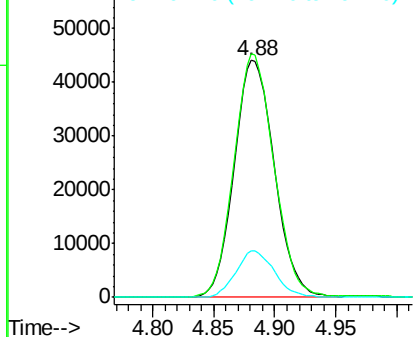
Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.602 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU028057.D

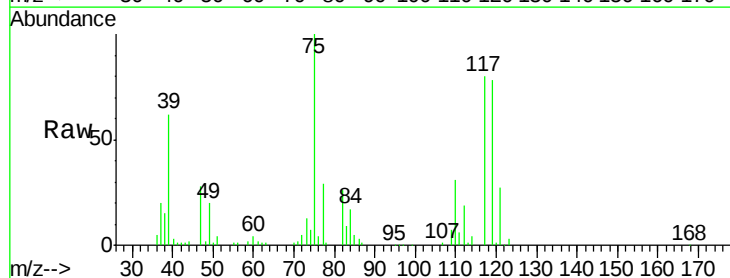
Acq: 12 Nov 2018 12:08

Tgt Ion: 75 Resp: 62080
Ion Ratio Lower Upper

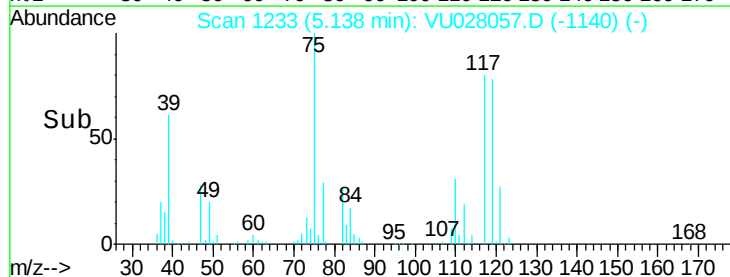
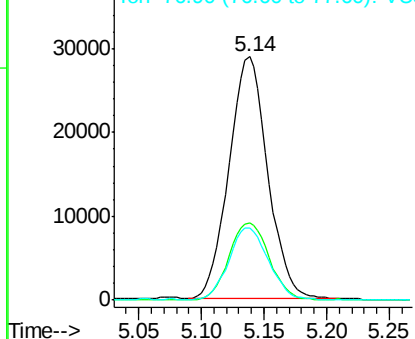
75 100

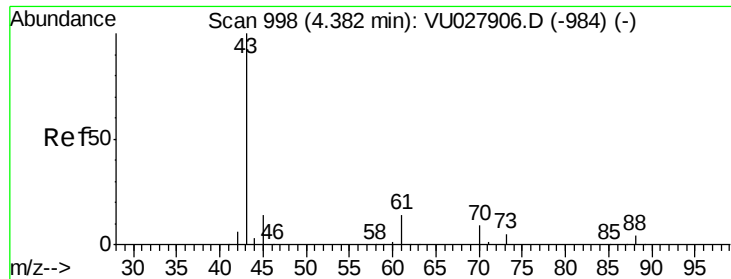
110 33.0 16.5 49.5

77 30.8 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 19.857 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

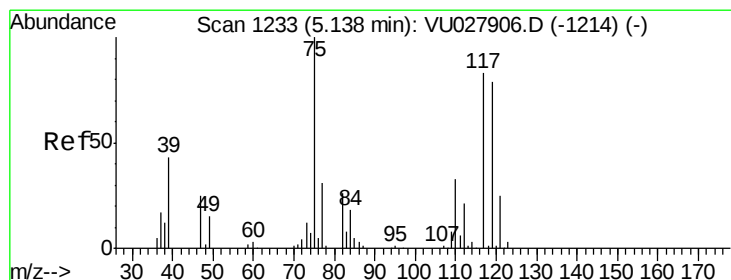
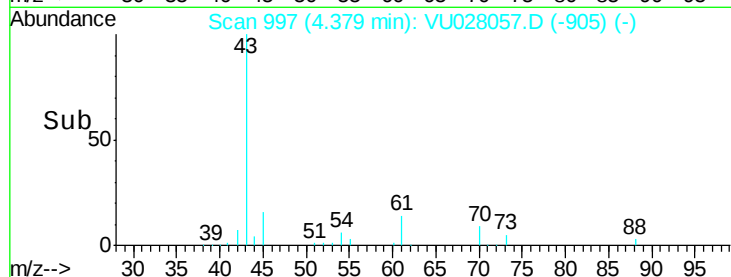
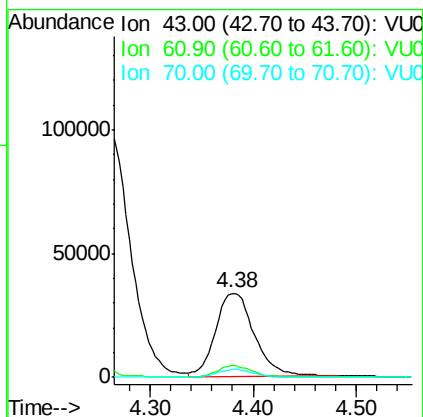
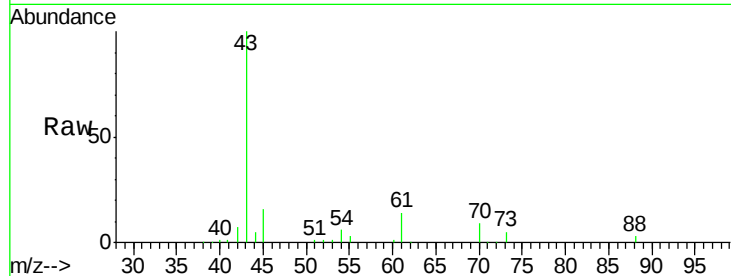
ClientSampled :

VU1112WBS01

Tgt Ion:	43	Resp:	87674
Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.3	15.5
70	8.7	7.0	10.6

Manual Integrations
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11/13/2018 12:12:44 PM



#38

Carbon Tetrachloride

Concen: 20.799 ug/l

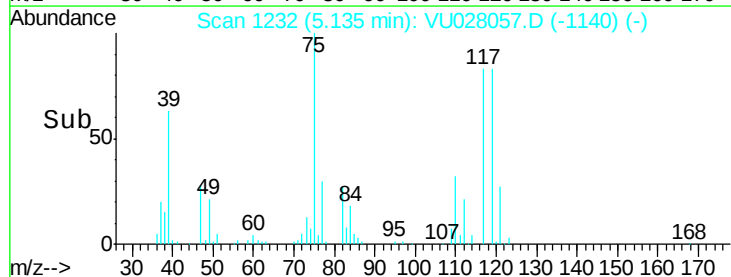
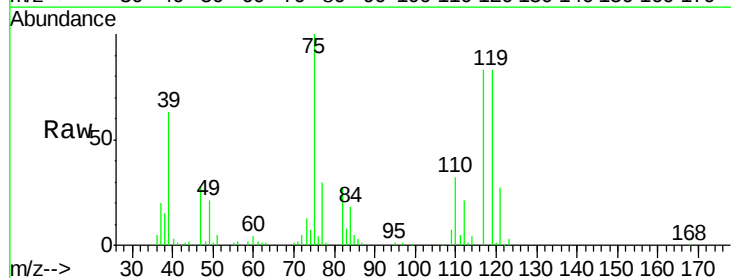
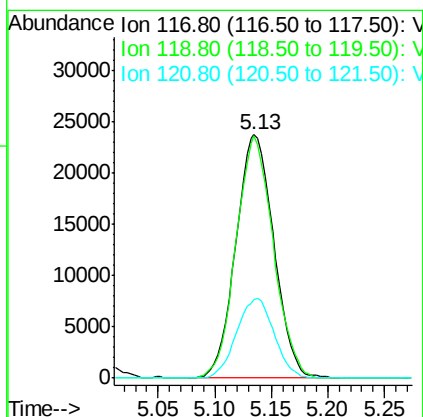
RT: 5.13 min Scan# 1232

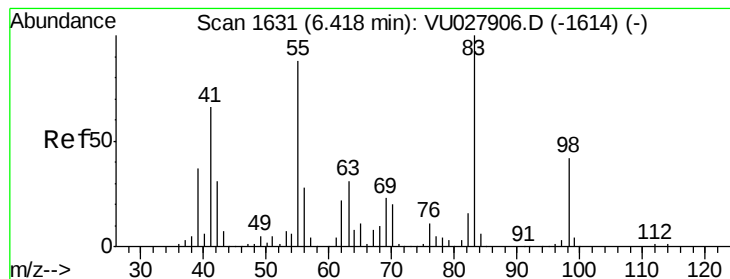
Delta R.T. -0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Tgt Ion:	117	Resp:	55542
Ion	Ratio	Lower	Upper
117	100		
119	99.3	76.0	114.0
121	32.1	24.5	36.7





#39

Methylcyclohexane

Concen: 21.273 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

Tgt Ion: 83 Resp: 77316

Ion Ratio Lower Upper

83 100

55 86.6 70.3 105.5

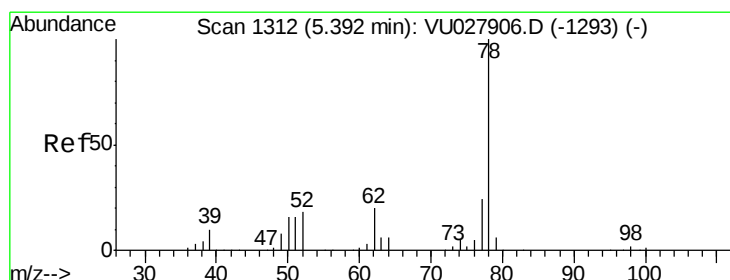
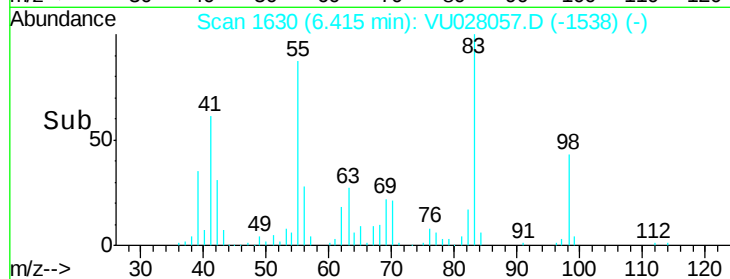
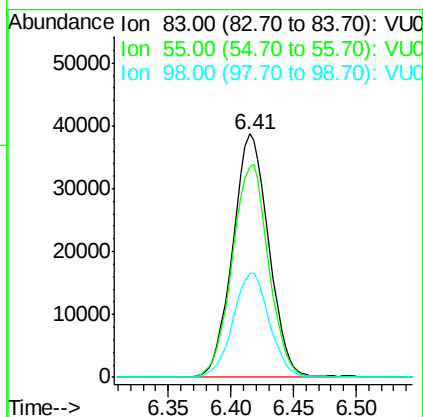
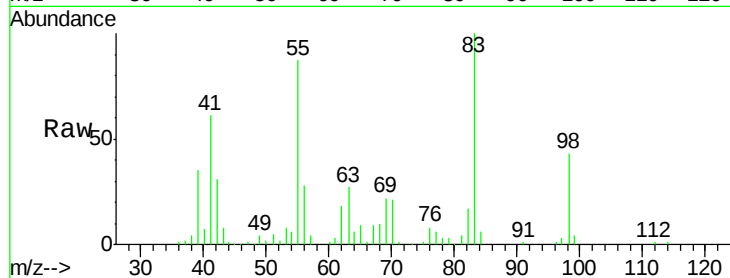
98 42.7 34.0 51.0

Manual Integrations

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#40

Benzene

Concen: 21.024 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028057.D

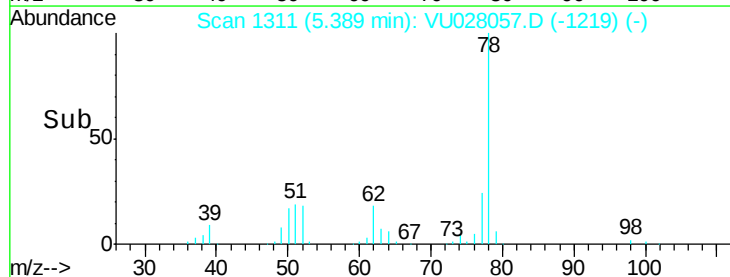
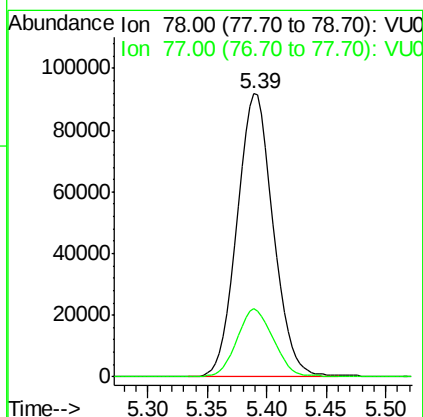
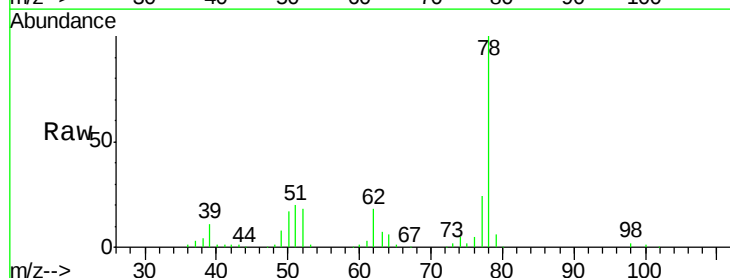
Acq: 12 Nov 2018 12:08

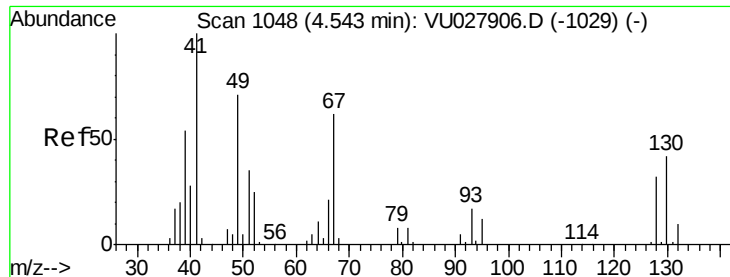
Tgt Ion: 78 Resp: 193691

Ion Ratio Lower Upper

78 100

77 24.0 19.3 28.9





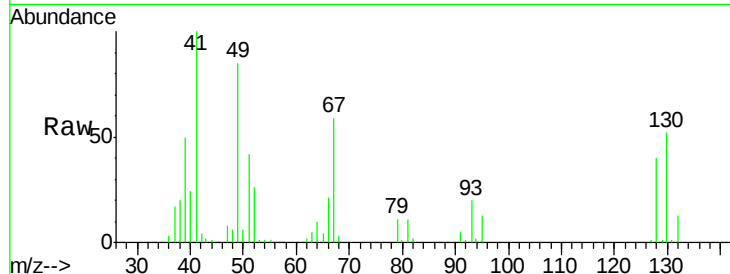
#41
Methacrylonitrile
Concen: 21.361 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

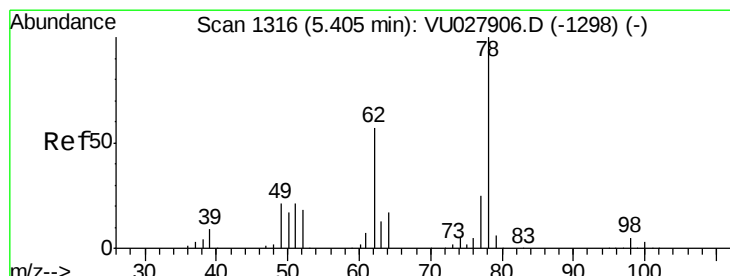
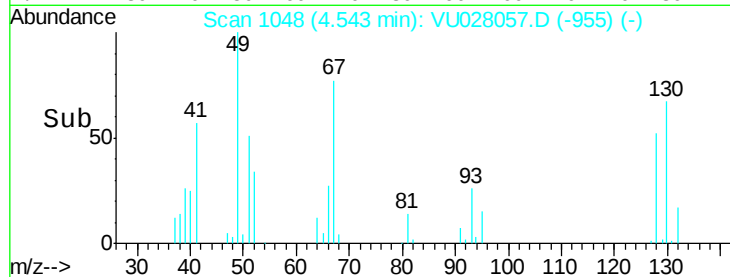
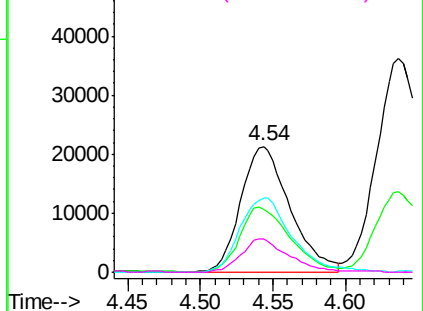
Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.9	42.2	63.4	
67	62.3	49.5	74.3	
52	26.2	20.5	30.7	

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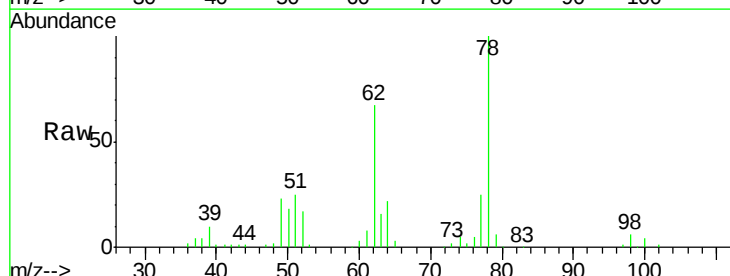


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

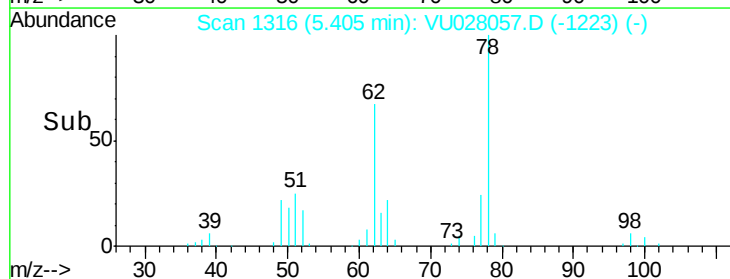
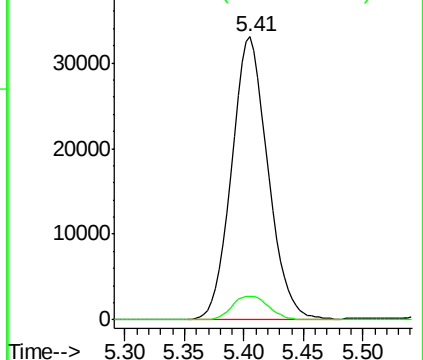


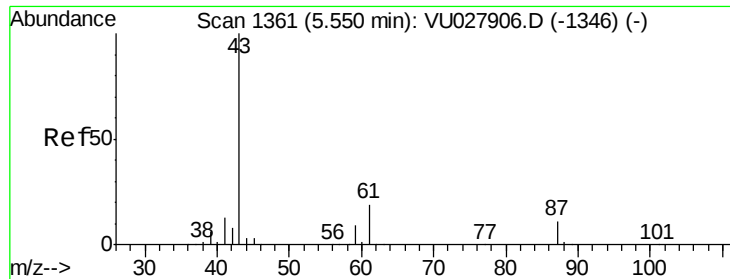
#42
1,2-Dichloroethane
Concen: 21.359 ug/l
RT: 5.41 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.2	



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





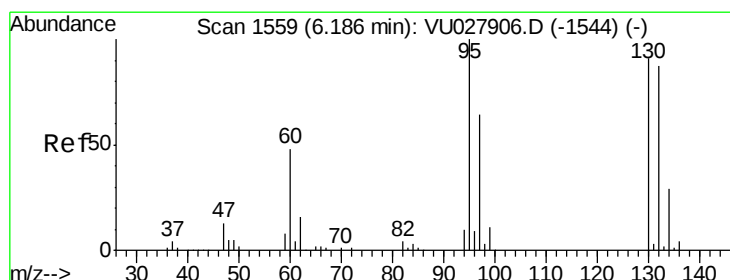
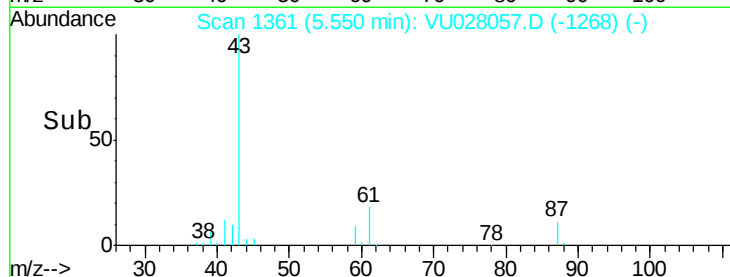
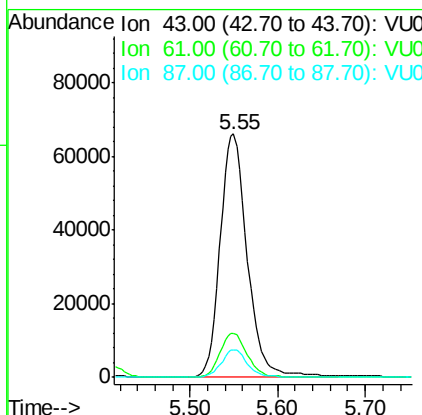
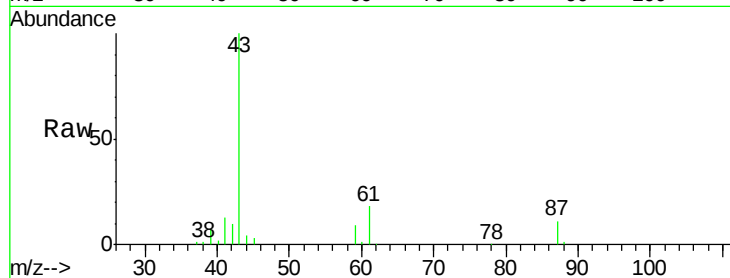
#43
Isopropyl Acetate
Concen: 20.349 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.0	22.4
87	11.0	8.6	12.8

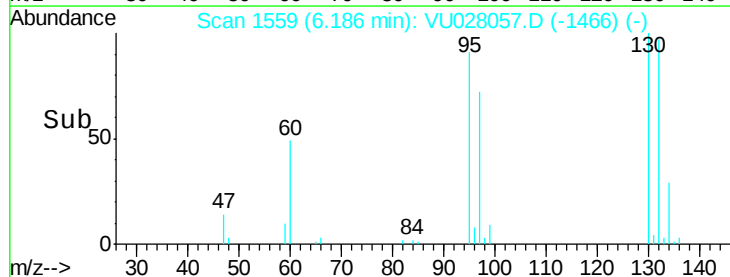
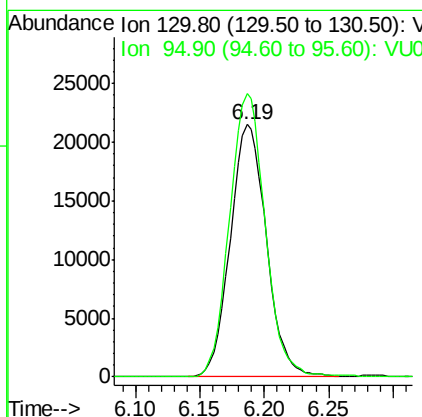
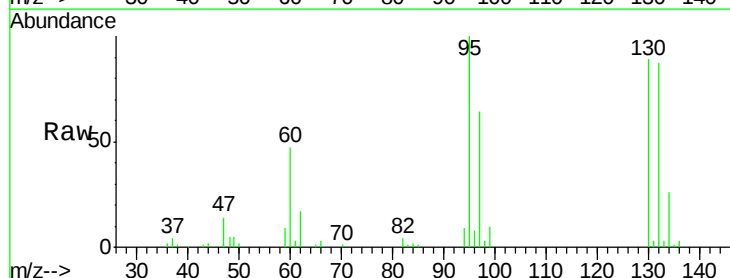
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#44
Trichloroethene
Concen: 21.157 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.1	0.0	219.2





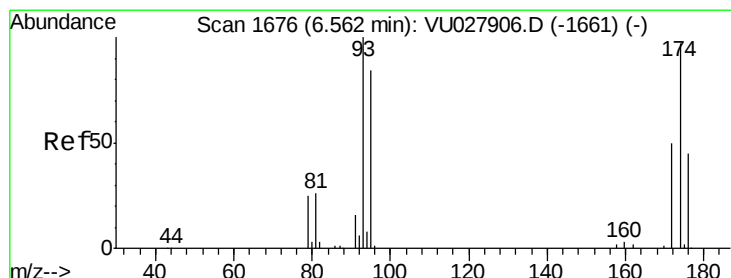
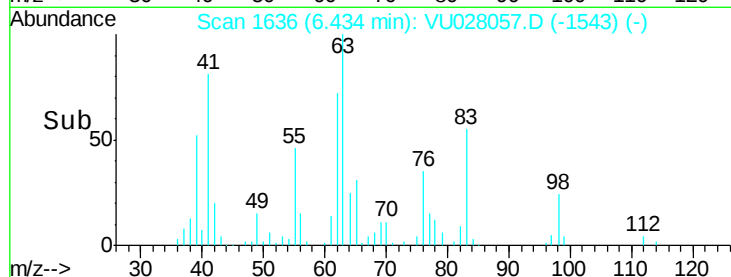
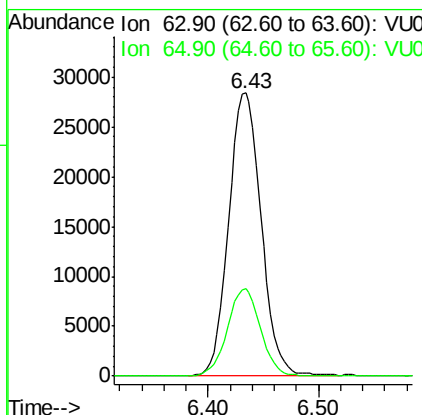
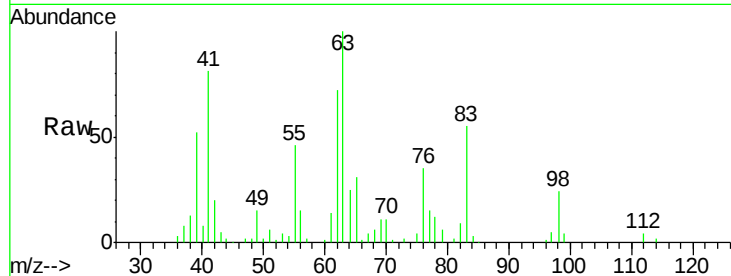
#45
1,2-Dichloropropane
Concen: 21.877 ug/l
RT: 6.43 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tgt Ion: 63 Resp: 58127
Ion Ratio Lower Upper
63 100
65 31.1 24.4 36.6

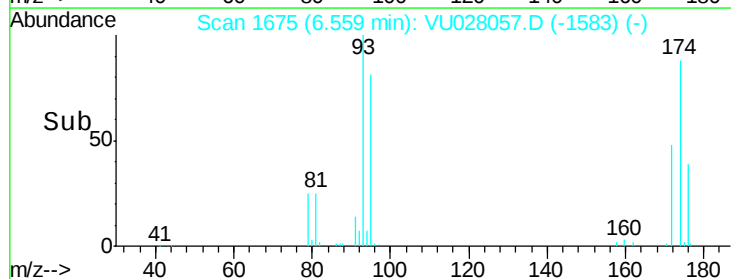
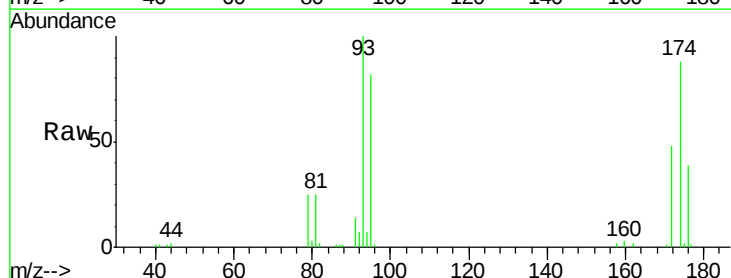
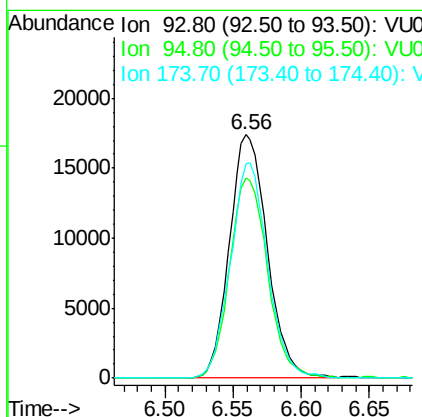
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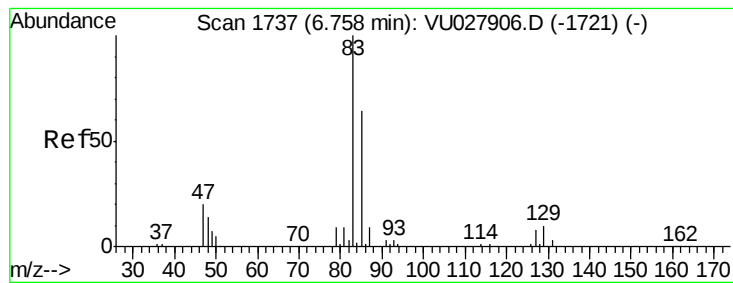
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#46
Dibromomethane
Concen: 21.957 ug/l
RT: 6.56 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion: 93 Resp: 33534
Ion Ratio Lower Upper
93 100
95 82.4 68.5 102.7
174 87.1 76.1 114.1





#47

Bromodichloromethane

Concen: 21.930 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

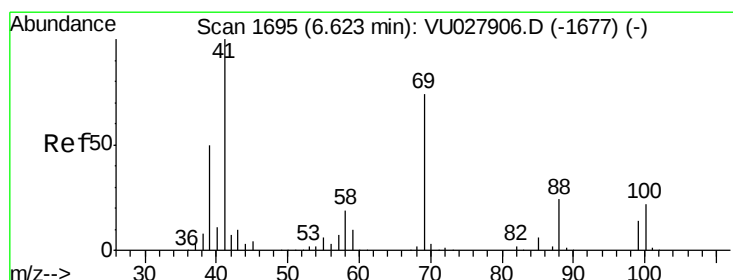
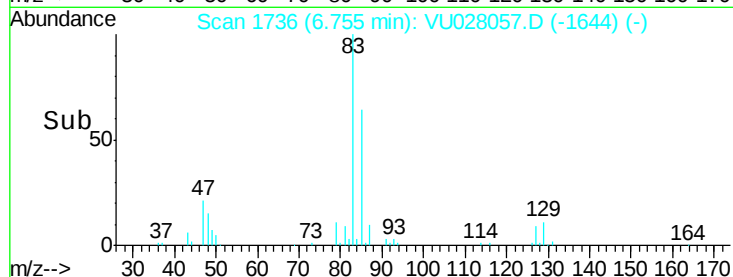
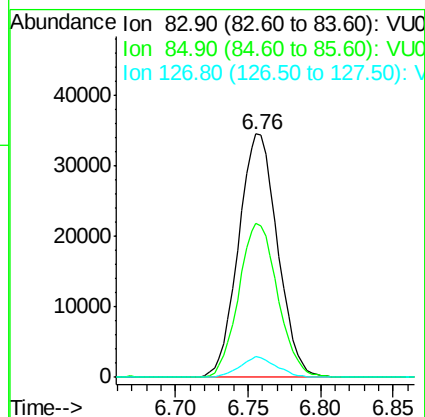
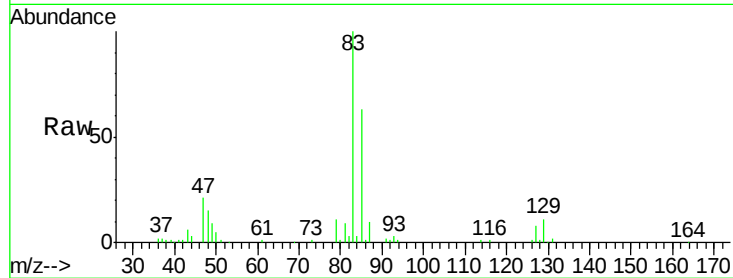
ClientSampleId :

VU1112WBS01

Tgt Ion:	83	Resp:	64543
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.0	76.6
127	8.4	6.2	9.4

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#48

Methyl methacrylate

Concen: 21.109 ug/l

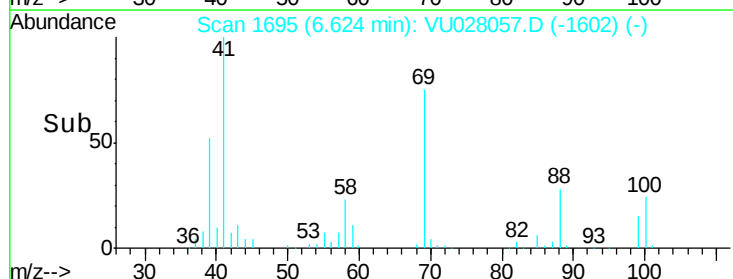
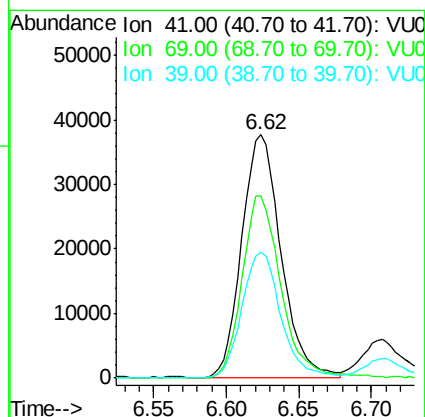
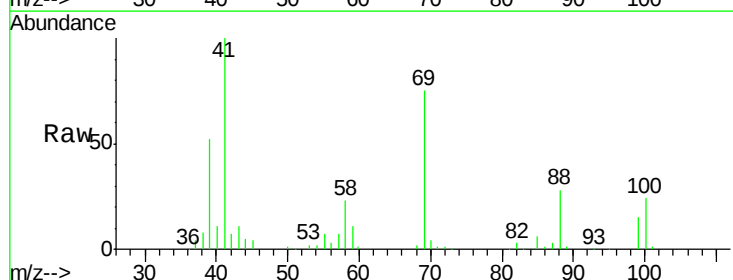
RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Tgt Ion:	41	Resp:	71555
Ion	Ratio	Lower	Upper
41	100		
69	73.9	59.8	89.8
39	51.1	40.0	60.0





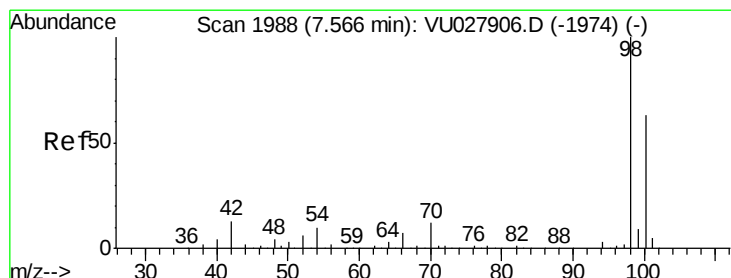
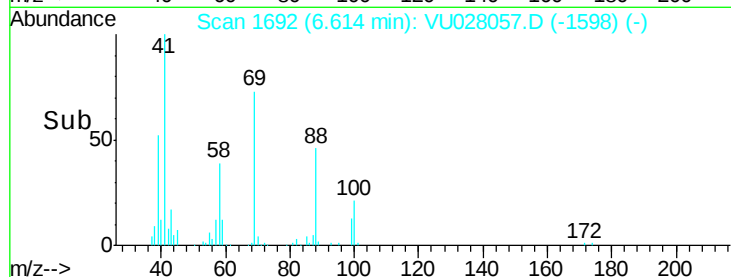
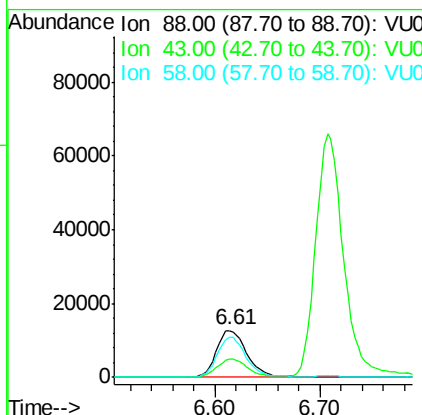
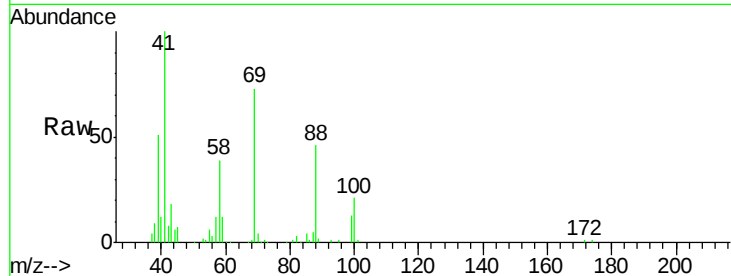
#49
1,4-Dioxane
Concen: 464.136 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tgt Ion: 88 Resp: 25669
Ion Ratio Lower Upper
88 100
43 40.4 30.5 45.7
58 81.5 67.1 100.7

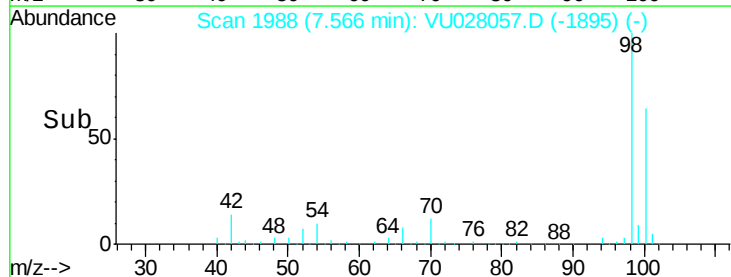
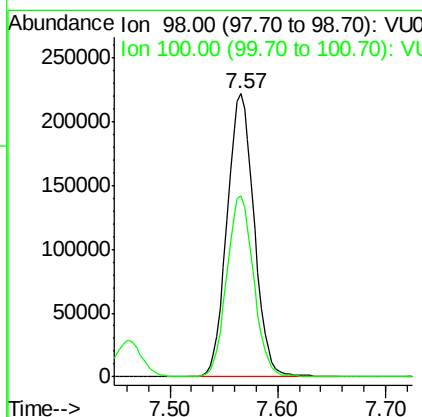
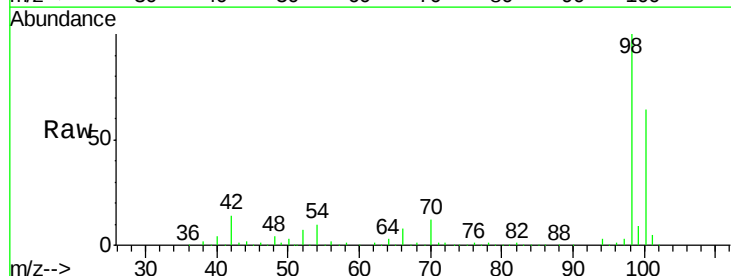
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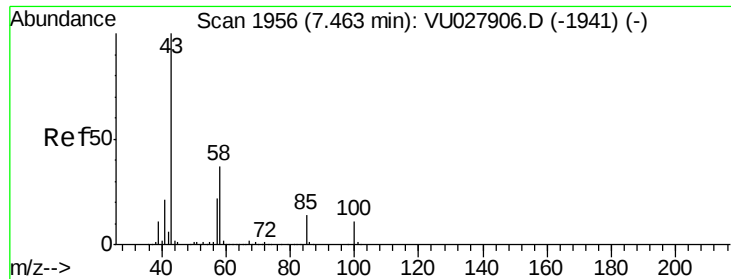
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#50
Toluene-d8
Concen: 55.448 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion: 98 Resp: 388561
Ion Ratio Lower Upper
98 100
100 63.4 50.1 75.1





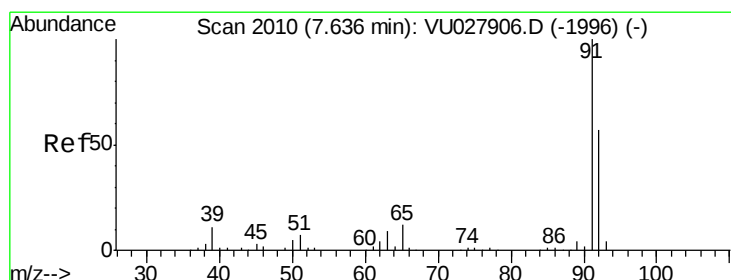
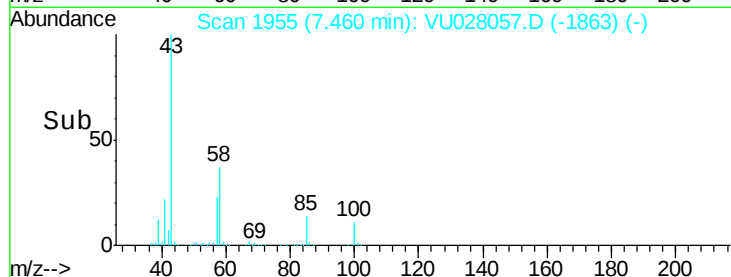
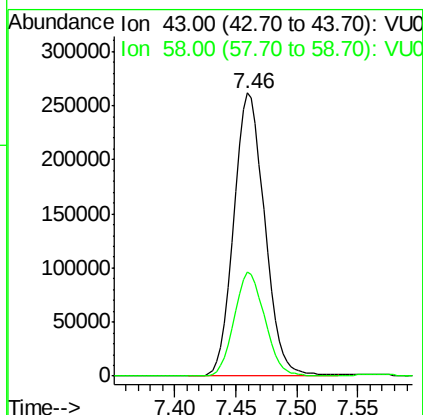
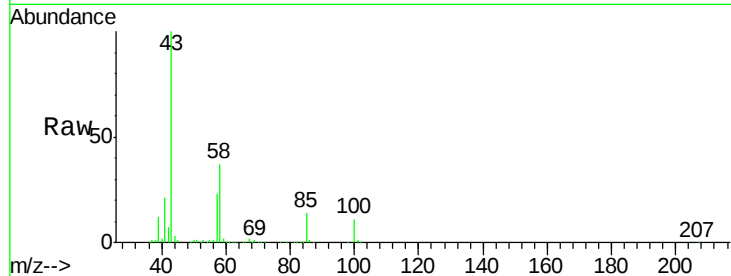
#51
 4-Methyl-2-Pentanone
 Concen: 99.940 ug/l
 RT: 7.46 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

Tgt Ion: 43 Resp: 461689
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.5 44.3

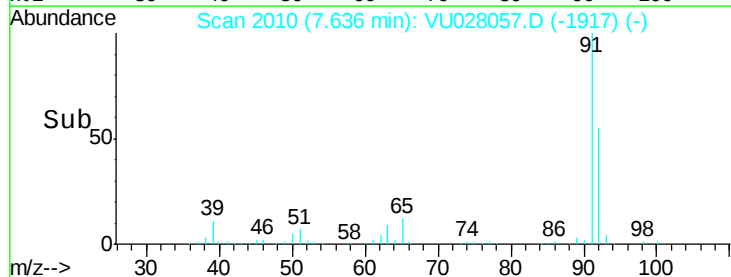
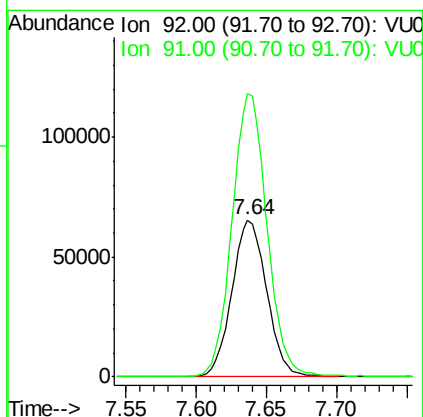
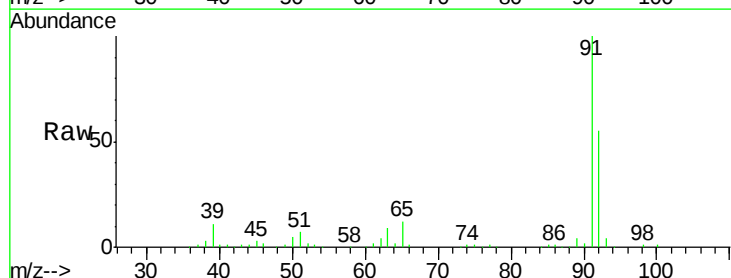
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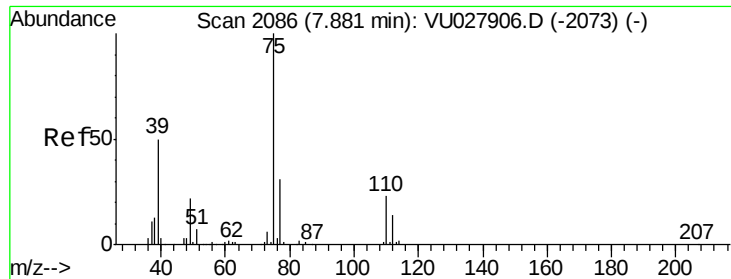
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#52
 Toluene
 Concen: 20.934 ug/l
 RT: 7.64 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion: 92 Resp: 113385
 Ion Ratio Lower Upper
 92 100
 91 181.2 141.2 211.8





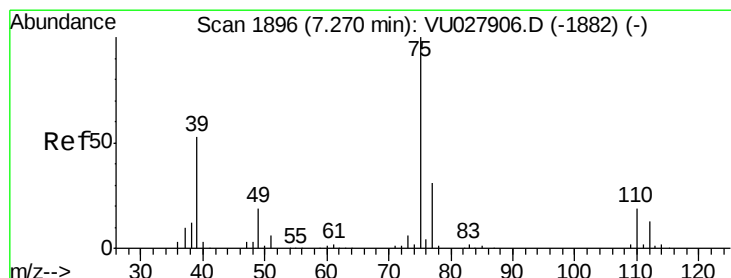
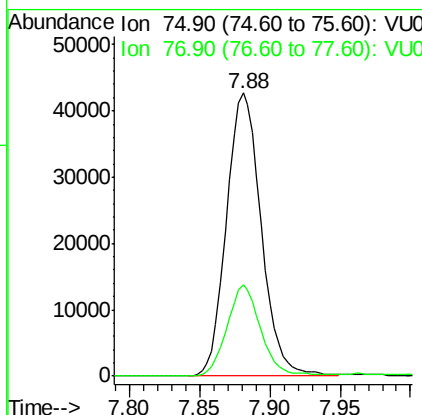
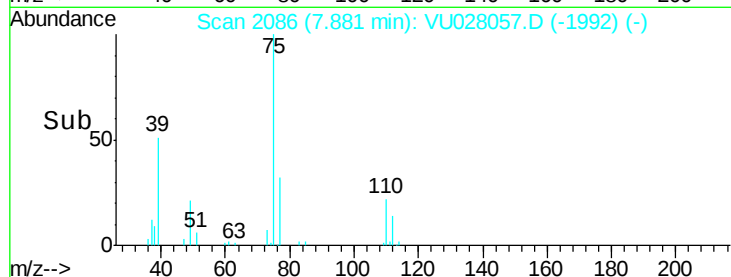
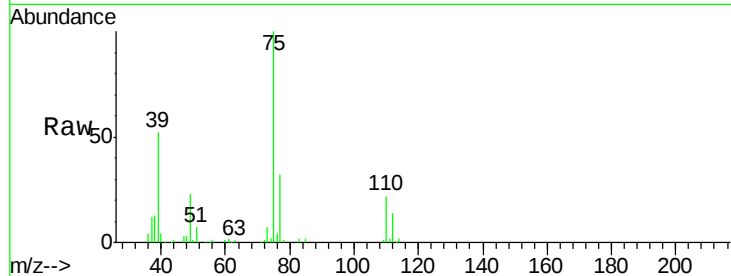
#53
t-1,3-Dichloropropene
Concen: 20.816 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tgt Ion: 75 Resp: 73537
Ion Ratio Lower Upper
75 100
77 32.1 25.1 37.7

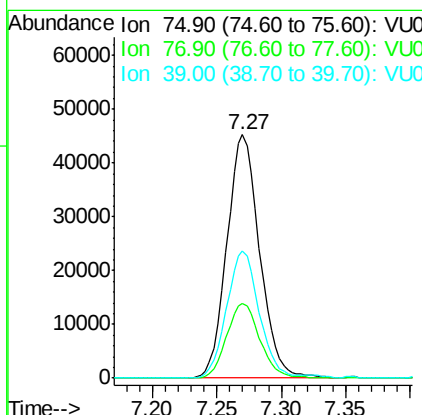
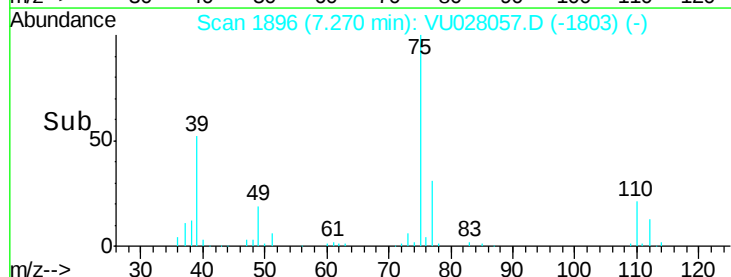
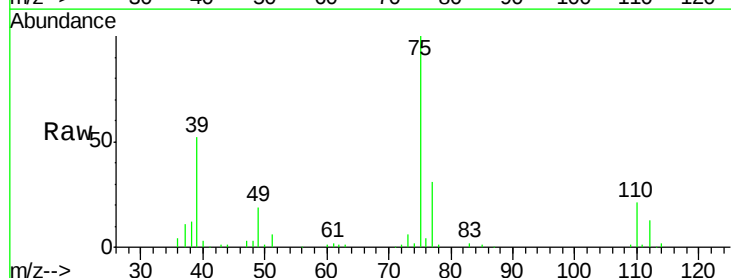
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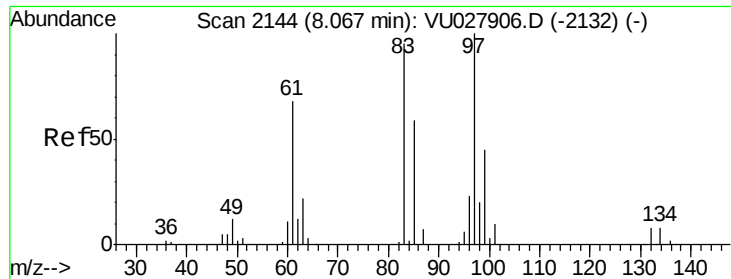
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#54
cis-1,3-Dichloropropene
Concen: 22.009 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion: 75 Resp: 79855
Ion Ratio Lower Upper
75 100
77 30.8 24.6 37.0
39 51.9 42.6 64.0





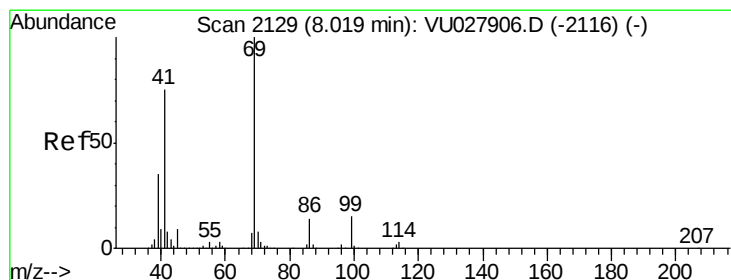
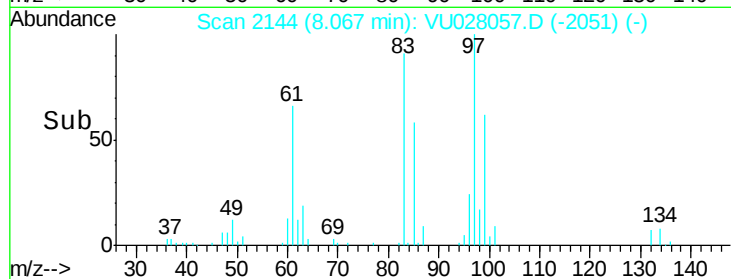
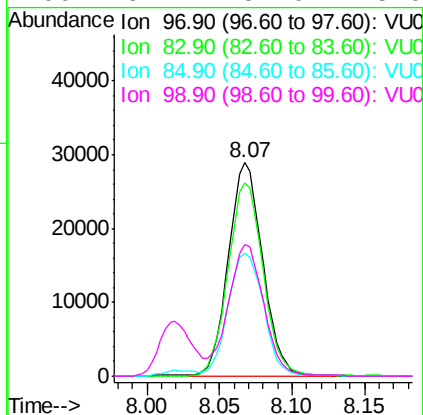
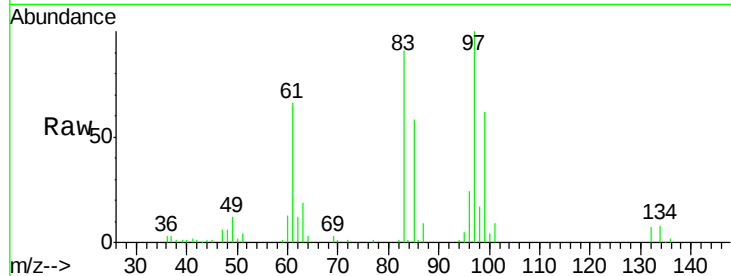
#55
 1,1,2-Trichloroethane
 Concen: 21.574 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.7	76.1	114.1
85	57.3	48.9	73.3
99	61.2	52.0	78.0

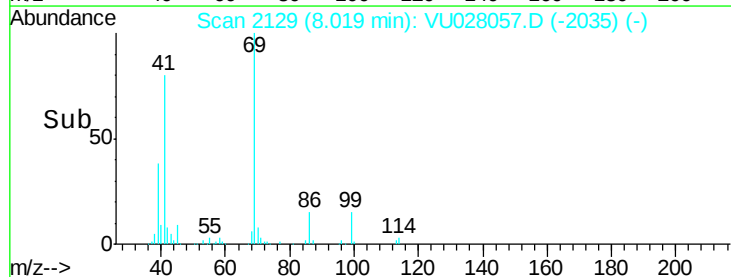
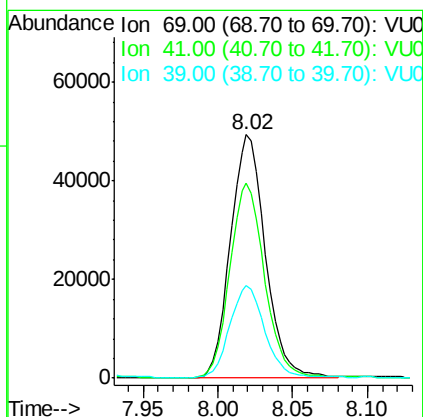
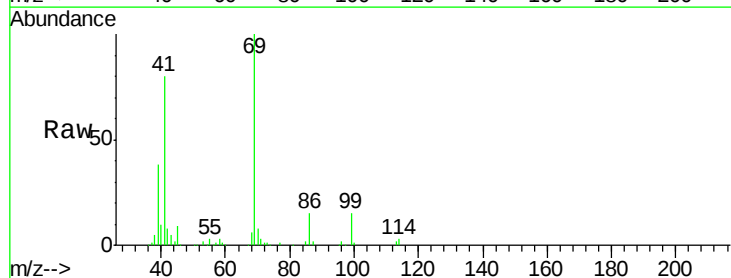
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#56
 Ethyl methacrylate
 Concen: 20.667 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
69	100		
41	80.2	59.8	89.6
39	37.2	28.6	42.8





#57

1,3-Dichloropropane

Concen: 22.000 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

Tgt Ion: 76 Resp: 88307

Ion Ratio Lower Upper

76 100

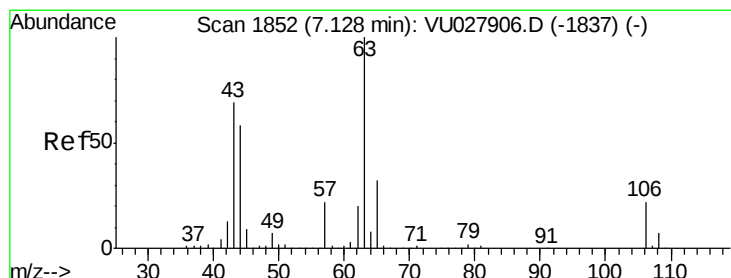
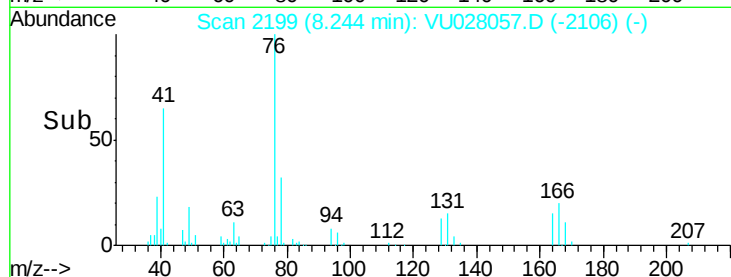
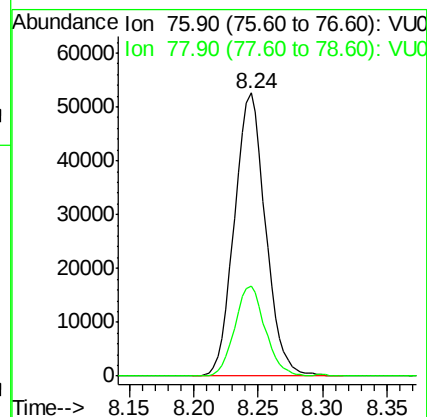
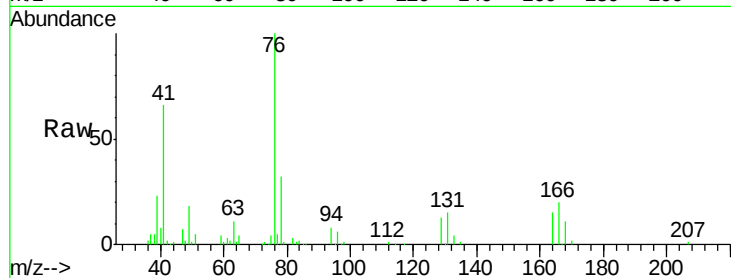
78 31.0 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 101.588 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU028057.D

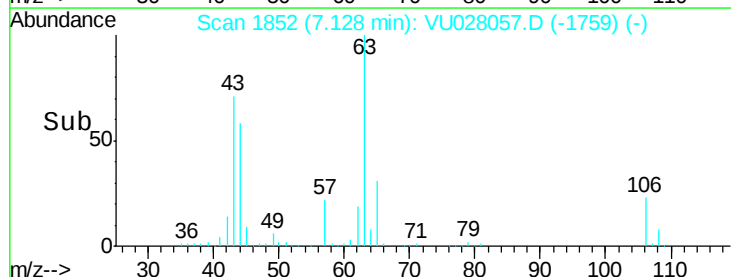
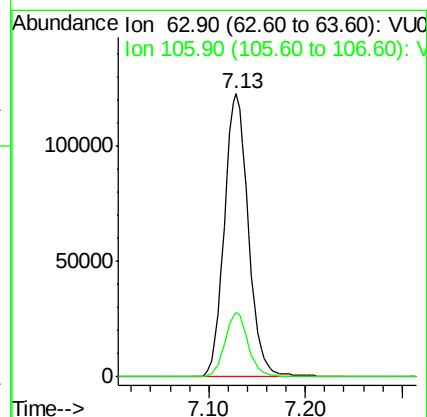
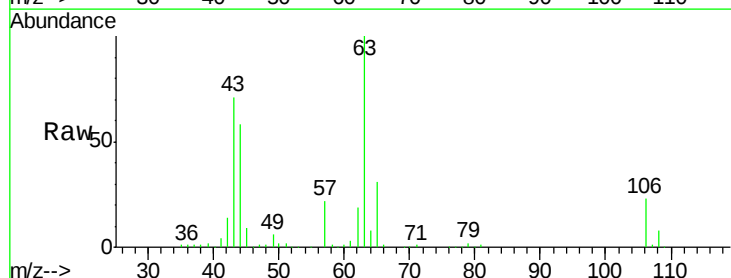
Acq: 12 Nov 2018 12:08

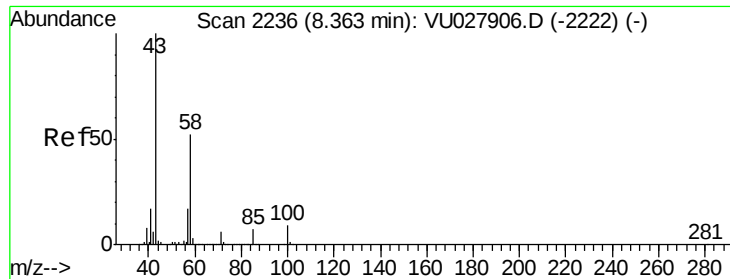
Tgt Ion: 63 Resp: 211428

Ion Ratio Lower Upper

63 100

106 21.8 17.8 26.6





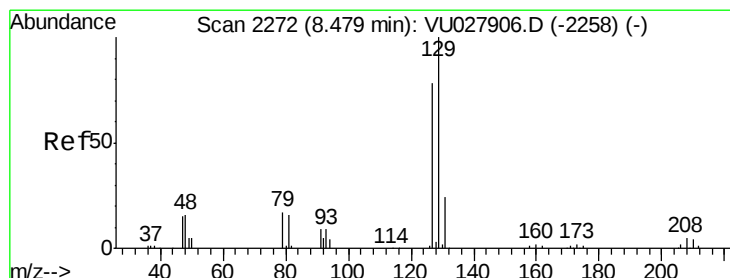
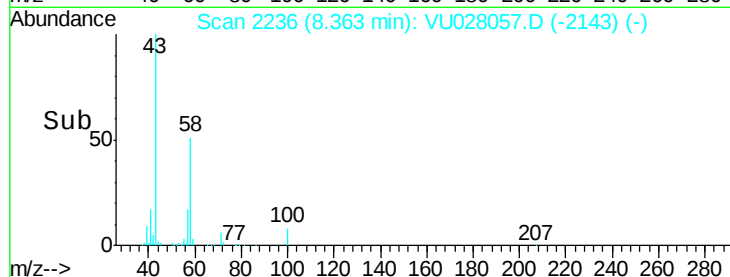
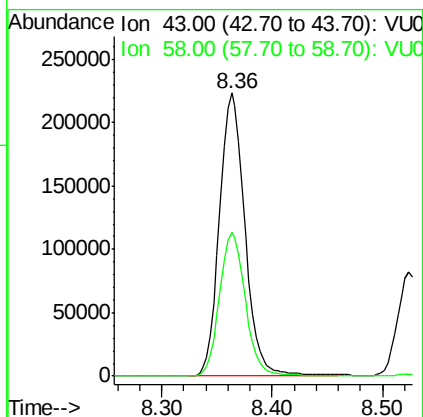
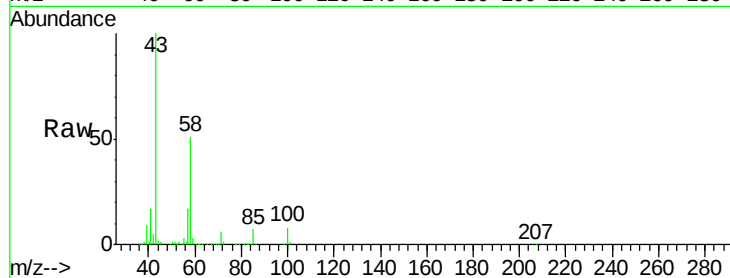
#59
2-Hexanone
Concen: 100.636 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tgt Ion: 43 Resp: 359572
Ion Ratio Lower Upper
43 100
58 51.4 25.8 77.3

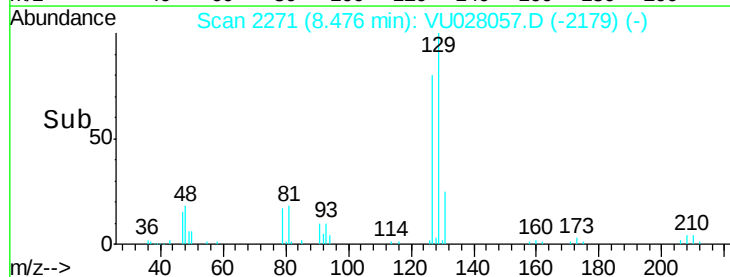
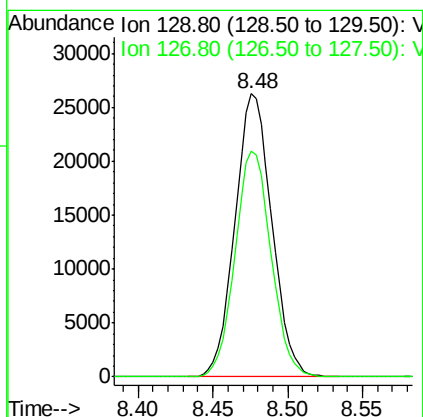
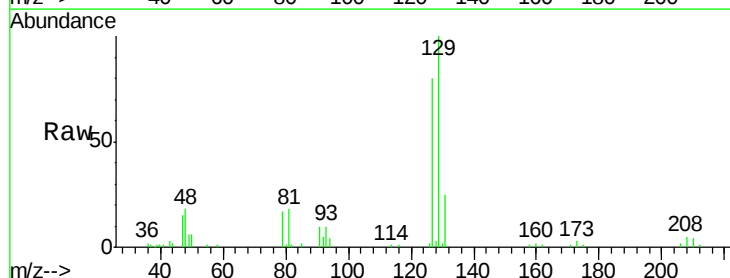
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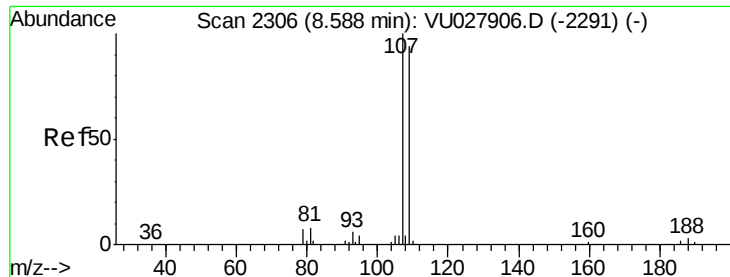
MMDadoda
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#60
Dibromochloromethane
Concen: 21.595 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion: 129 Resp: 45030
Ion Ratio Lower Upper
129 100
127 78.0 39.2 117.6





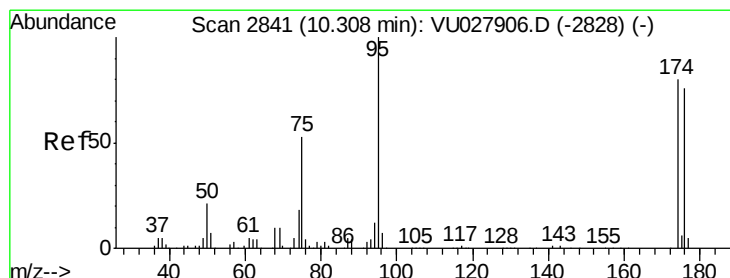
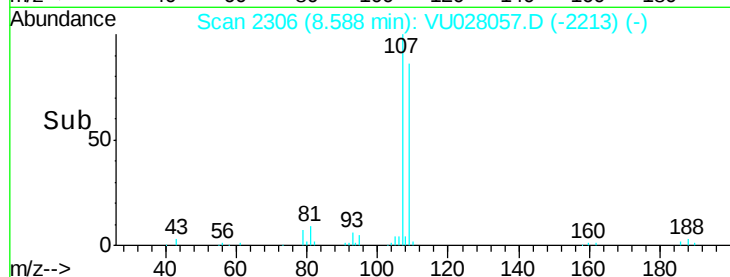
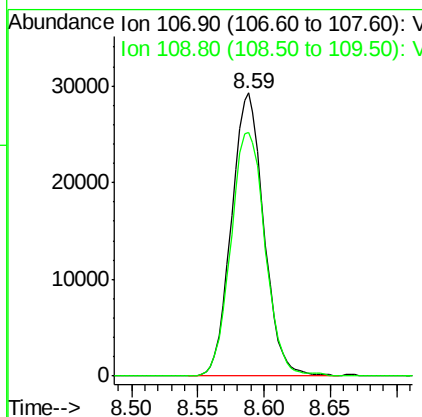
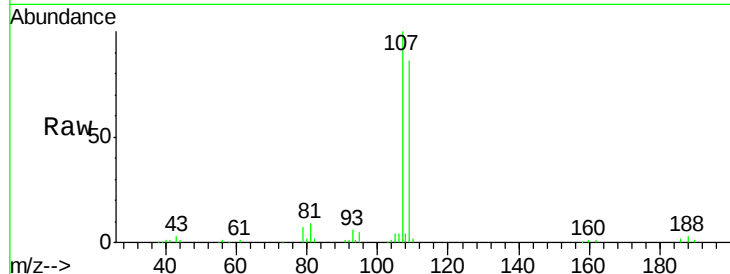
#61
 1,2-Dibromoethane
 Concen: 21.179 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

Tgt Ion: 107 Resp: 49589
 Ion Ratio Lower Upper
 107 100
 109 91.3 73.8 110.8

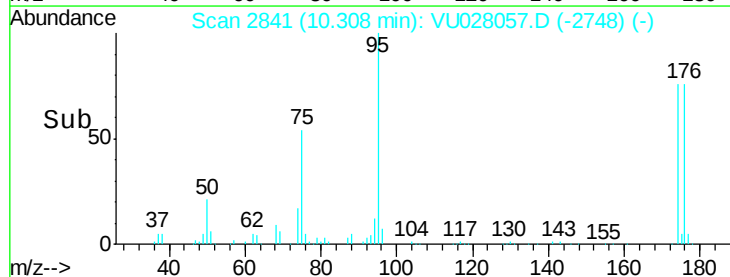
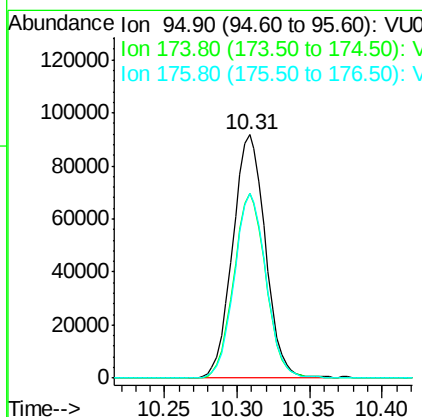
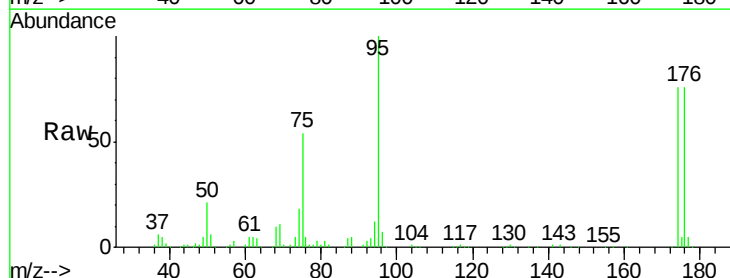
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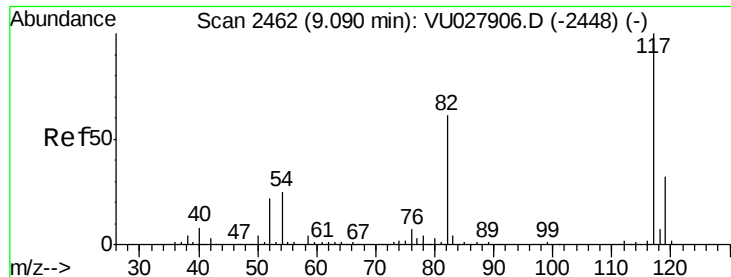
MMDadoda
 11/13/2018 12:12:44 PM



#62
 4-Bromofluorobenzene
 Concen: 55.414 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion: 95 Resp: 143233
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 156.4
 176 74.2 0.0 150.8





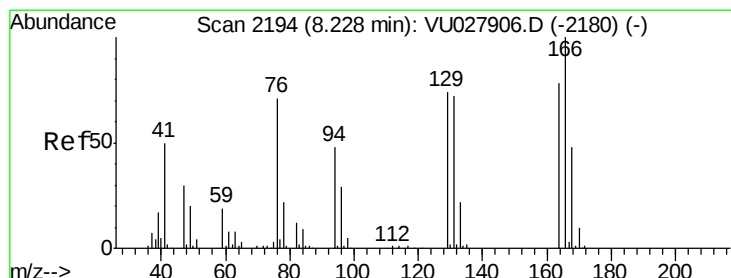
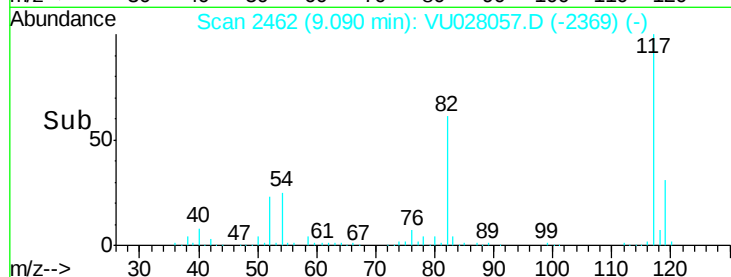
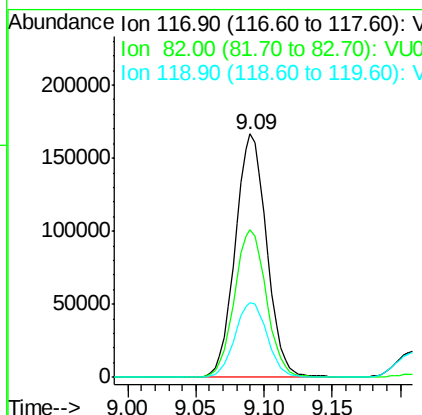
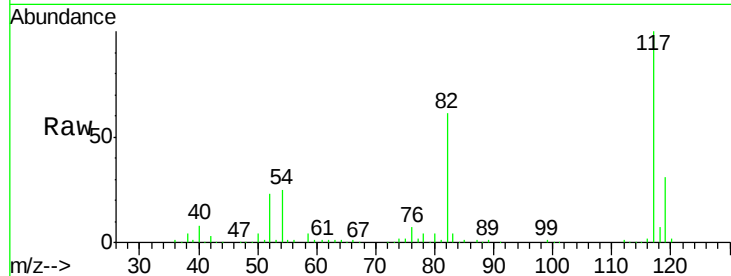
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	266796		
82	60.7	48.6	73.0	
119	30.9	25.8	38.8	

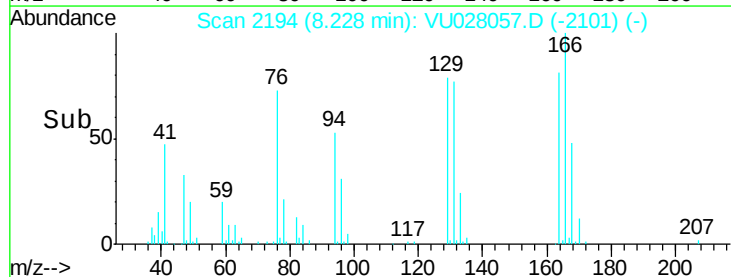
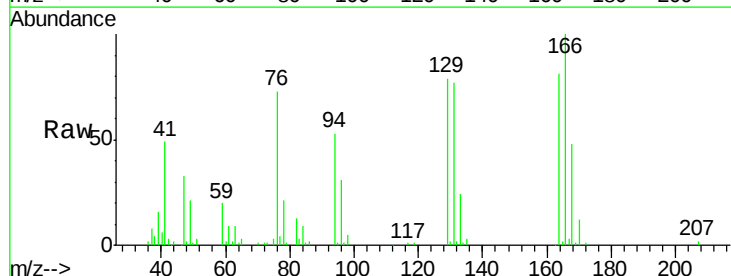
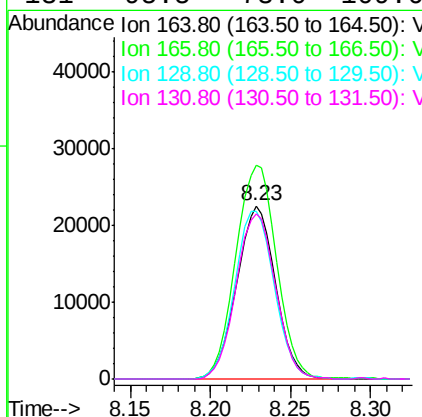
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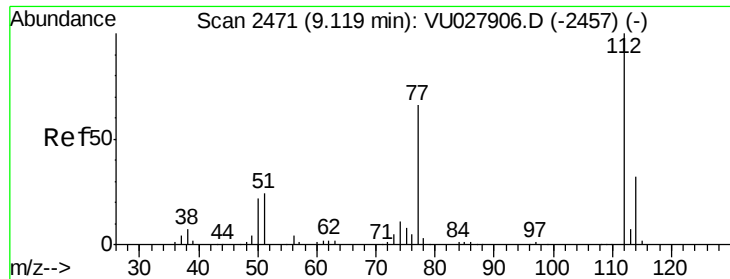
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#64
Tetrachloroethene
Concen: 21.495 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	37186		
166	123.5	102.1	153.1	
129	97.1	75.9	113.9	
131	95.5	73.0	109.6	





#65

Chlorobenzene

Concen: 21.014 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

Tgt Ion:112 Resp: 118451

Ion Ratio Lower Upper

112 100

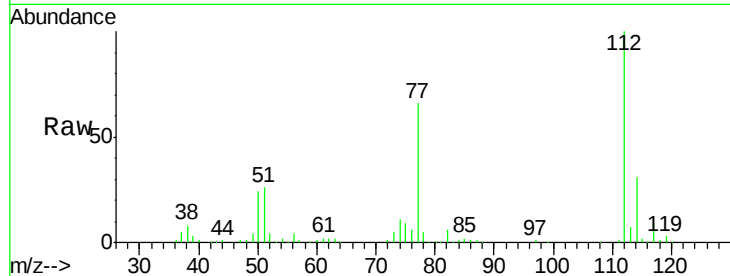
114 30.9 25.2 37.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.12

80000

60000

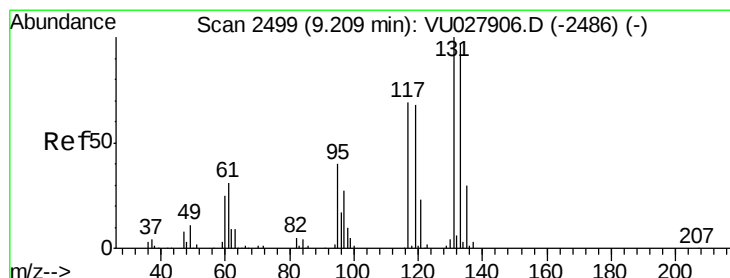
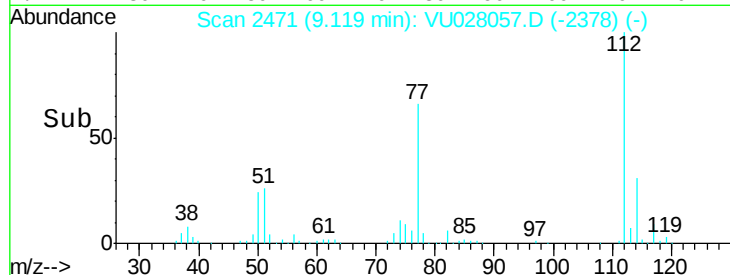
40000

20000

0

9.05 9.10 9.15

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.177 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

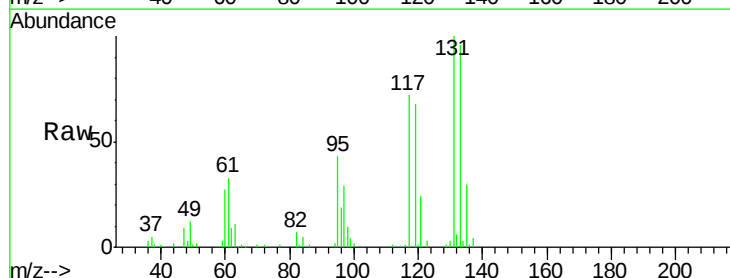
Tgt Ion:131 Resp: 40773

Ion Ratio Lower Upper

131 100

133 98.2 48.1 144.4

119 70.4 34.0 101.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

9.21

30000

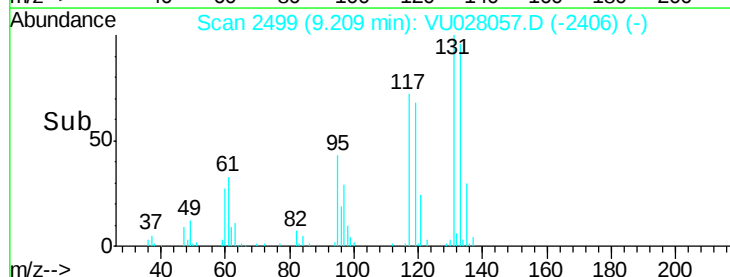
20000

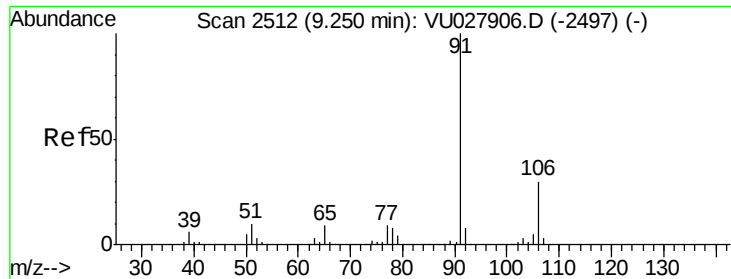
10000

0

9.15 9.20 9.25

Time-->





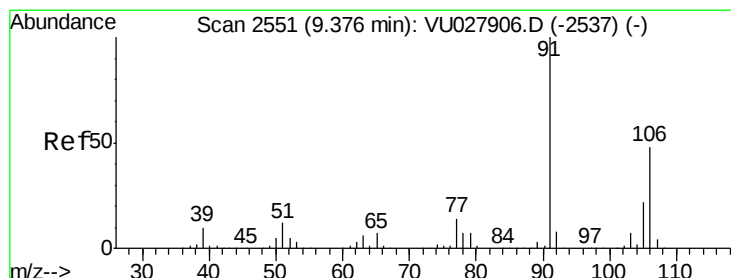
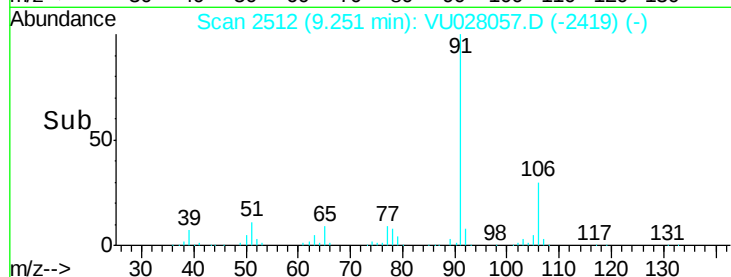
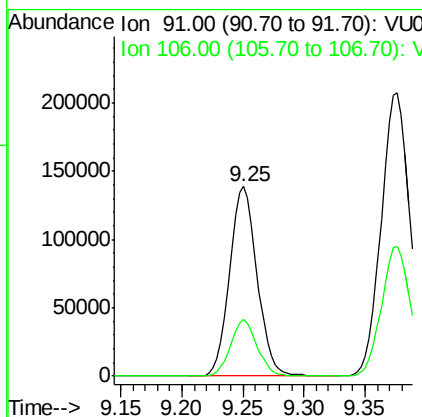
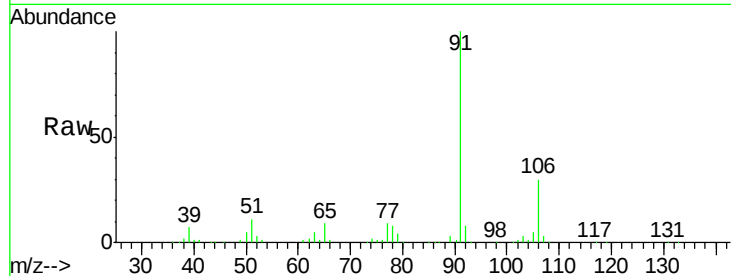
#67
Ethyl Benzene
Concen: 21.091 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tgt Ion: 91 Resp: 218825
Ion Ratio Lower Upper
91 100
106 29.8 23.6 35.4

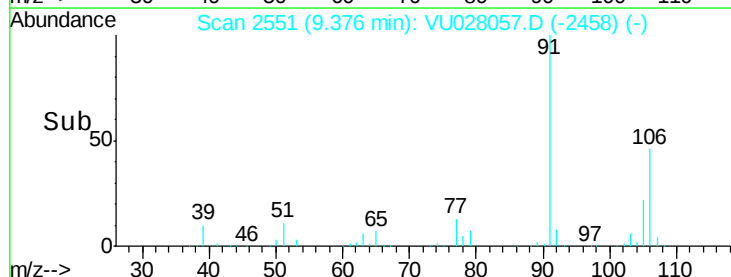
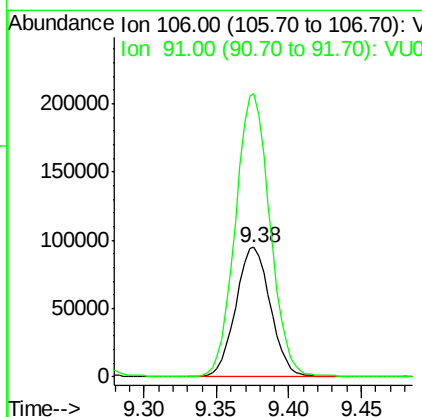
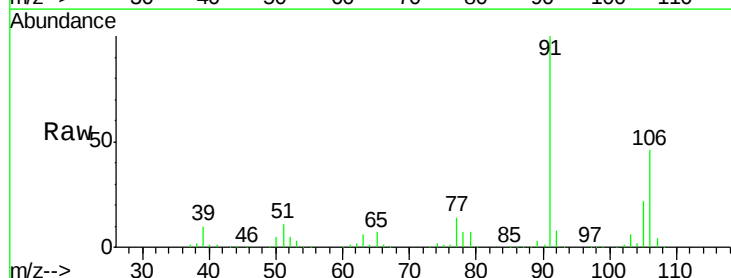
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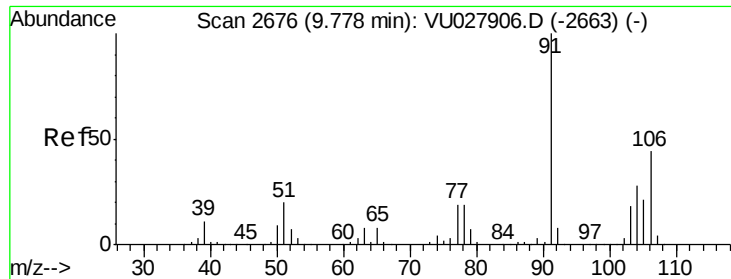
MMDadoda
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#68
m/p-Xylenes
Concen: 41.935 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion: 106 Resp: 157866
Ion Ratio Lower Upper
106 100
91 217.7 168.2 252.4





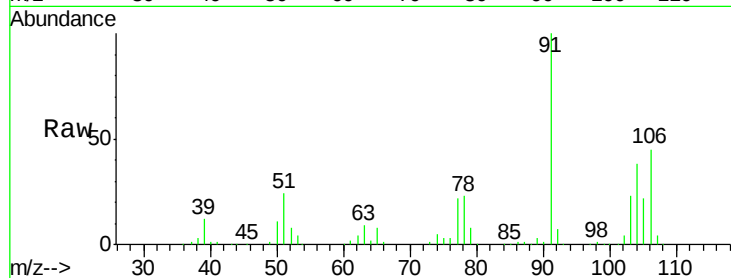
#69
o-Xylene
Concen: 20.957 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

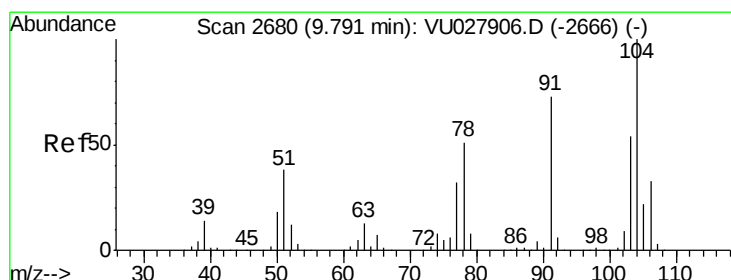
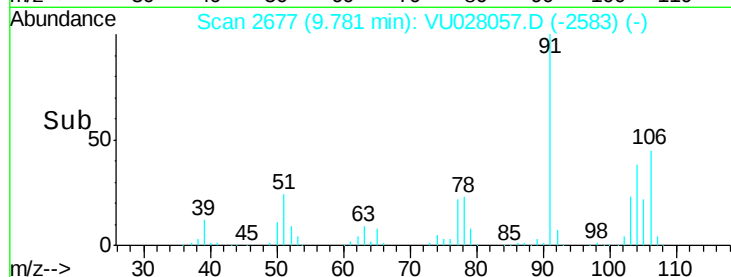
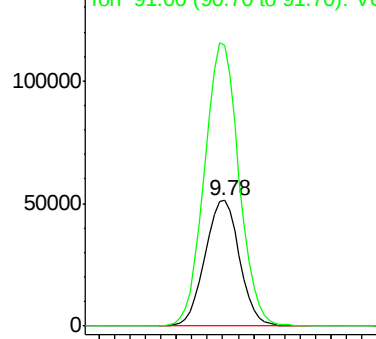
Tgt Ion:106 Resp: 79665
Ion Ratio Lower Upper
106 100
91 224.4 111.1 333.4

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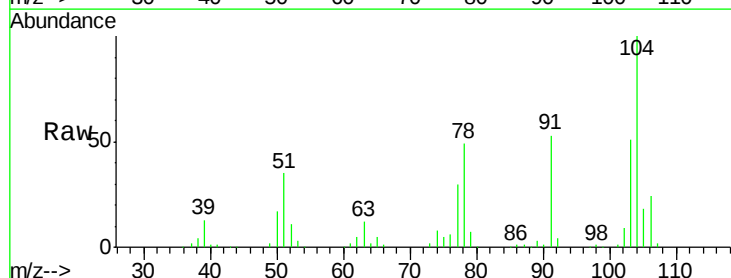


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

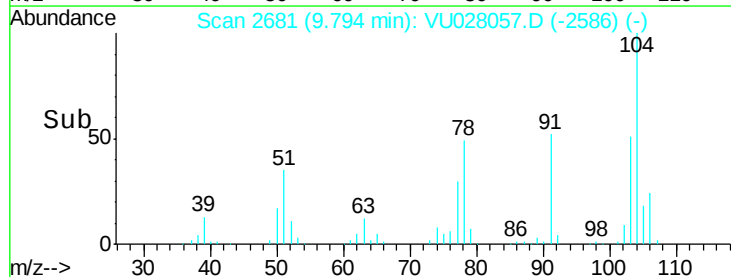
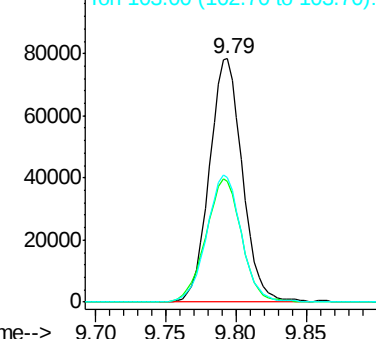


#70
Styrene
Concen: 21.128 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion:104 Resp: 128330
Ion Ratio Lower Upper
104 100
78 54.7 43.0 64.4
103 55.1 45.1 67.7



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





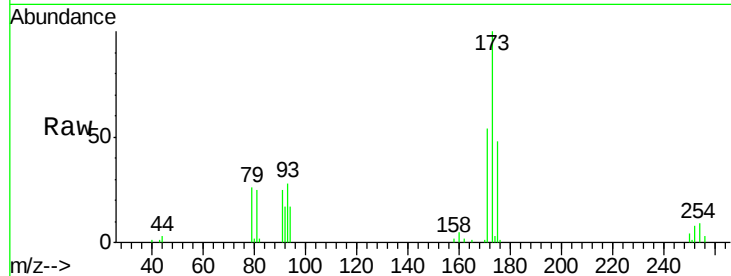
#71
Bromoform
Concen: 20.320 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.8
254	0.0	0.0	0.0

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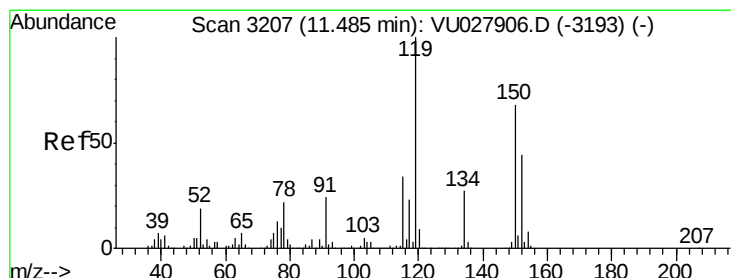
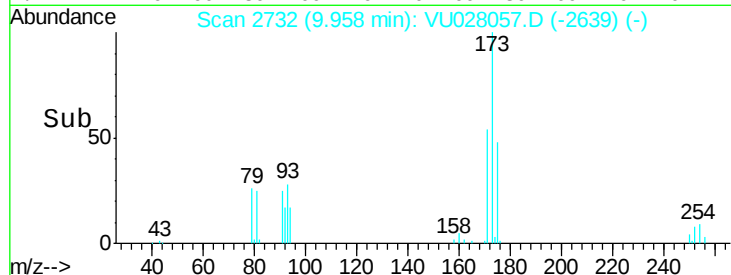
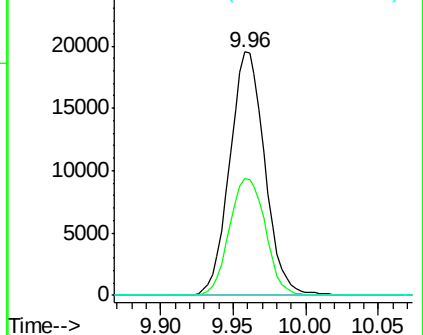


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

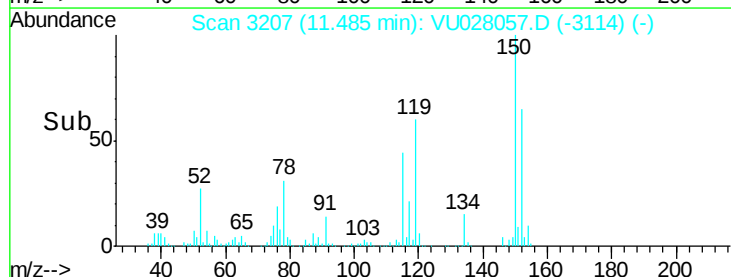
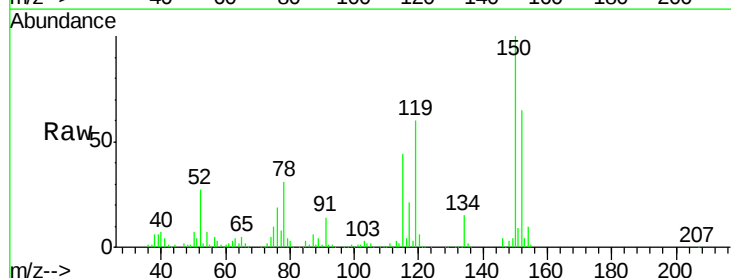
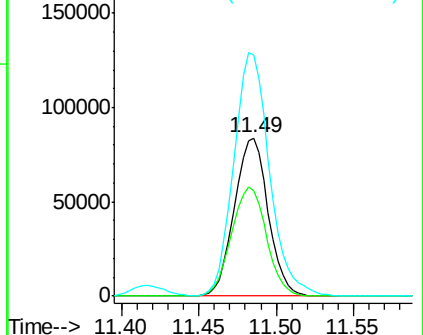
Tgt Ion	Ratio	Lower	Upper
152	100		
115	71.7	43.0	129.0
150	162.4	0.0	349.4

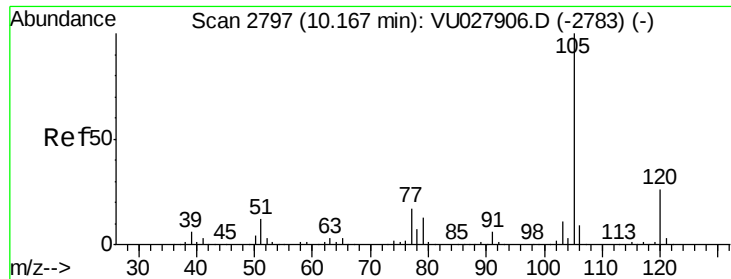
Abundance

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: 21.646 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

Tgt Ion: 105 Resp: 213122

Ion Ratio Lower Upper

105 100

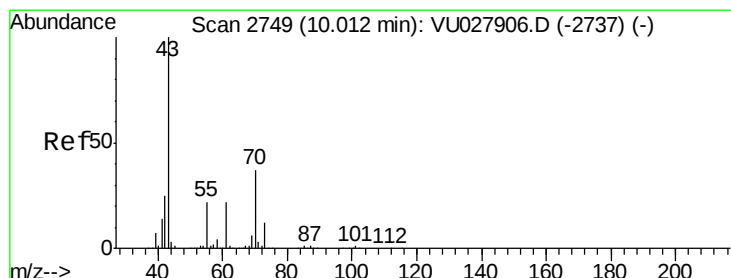
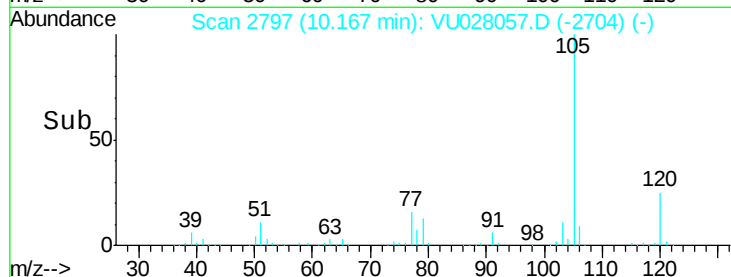
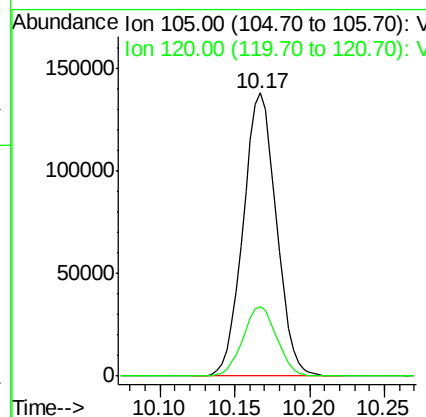
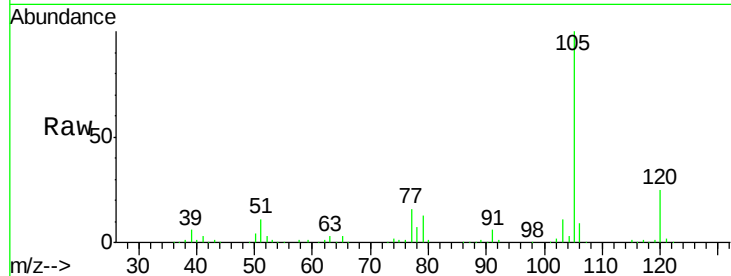
120 25.1 12.7 38.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.543 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Tgt Ion: 43 Resp: 128256

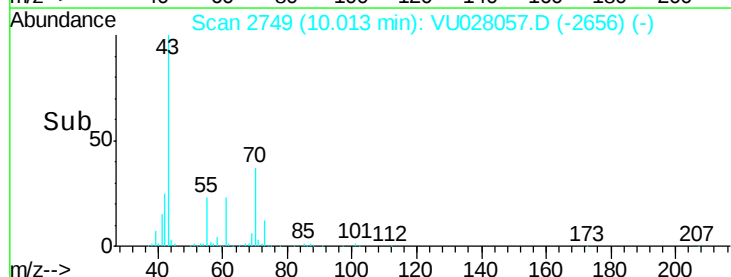
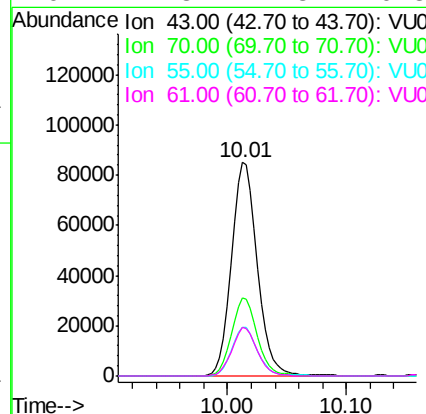
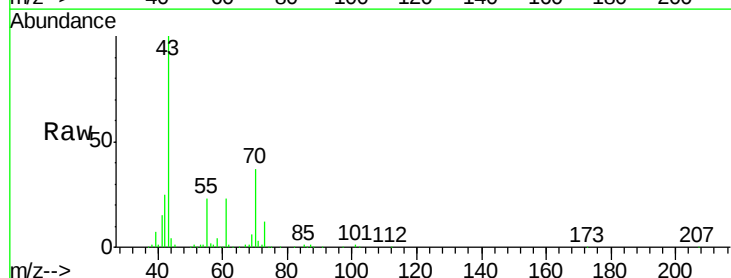
Ion Ratio Lower Upper

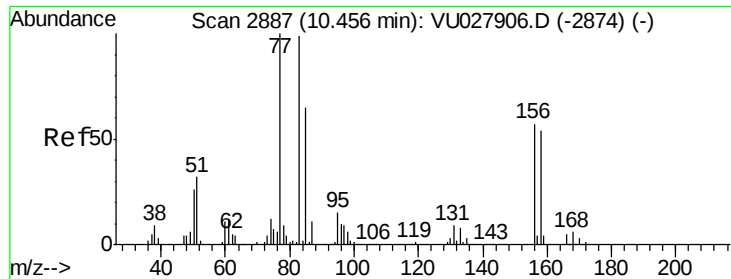
43 100

70 36.3 29.2 43.8

55 22.8 17.8 26.6

61 22.3 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.678 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

Tgt Ion: 83 Resp: 86094
Ion Ratio Lower Upper

83 100

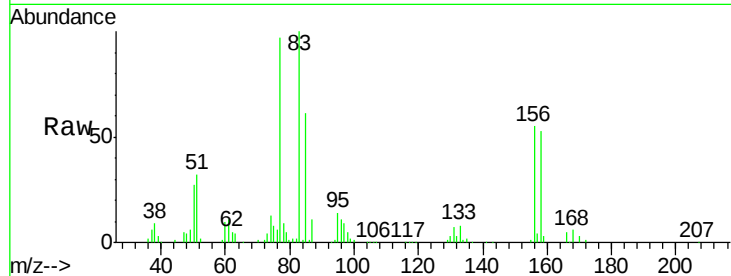
131 8.0 4.3 13.1

85 62.9 32.4 97.2

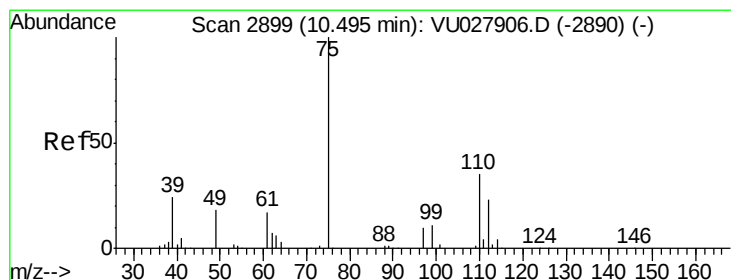
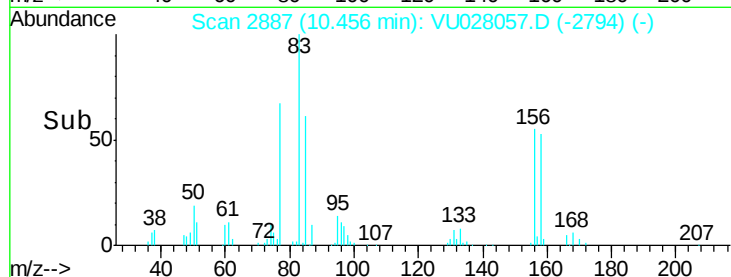
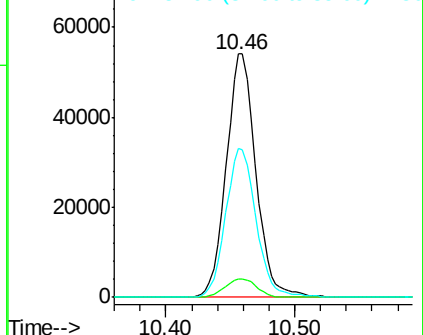
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Abundance Ion 82.90 (82.60 to 83.60): VU027906.D (-2874) (-)
Ion 130.80 (130.50 to 131.50): VU027906.D (-2874) (-)
Ion 84.90 (84.60 to 85.60): VU027906.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 21.316 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

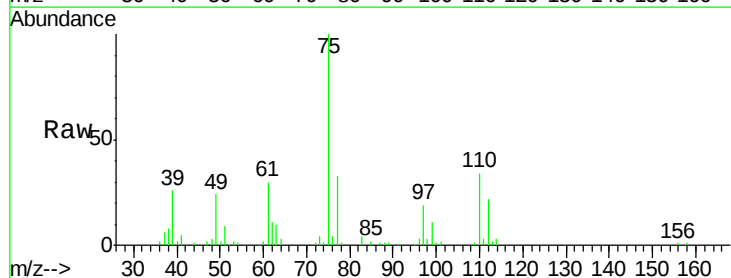
Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

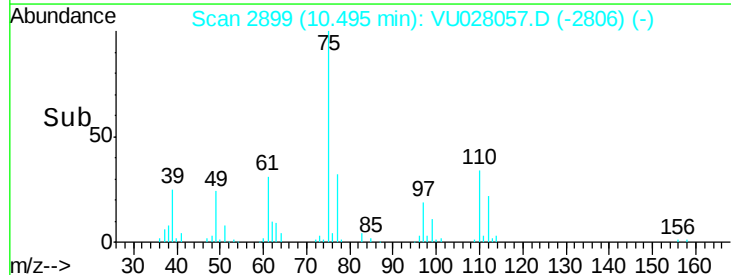
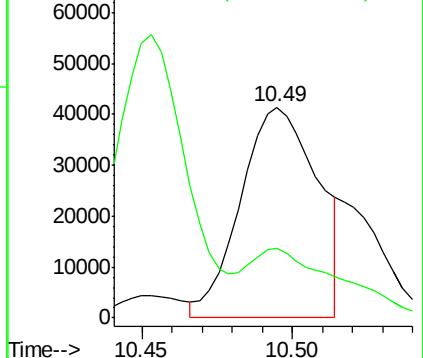
Tgt Ion: 75 Resp: 74102
Ion Ratio Lower Upper

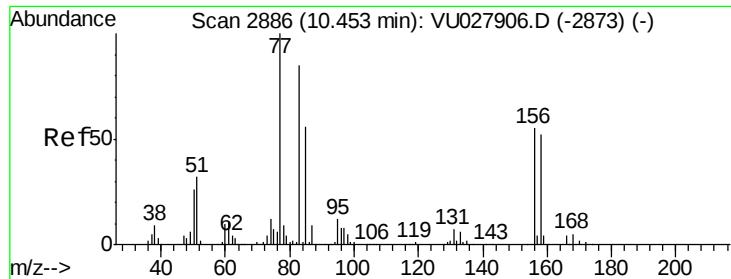
75 100

77 38.8 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-2890) (-)
Ion 77.00 (76.70 to 77.70): VU027906.D (-2890) (-)





#77

Bromobenzene

Concen: 21.505 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

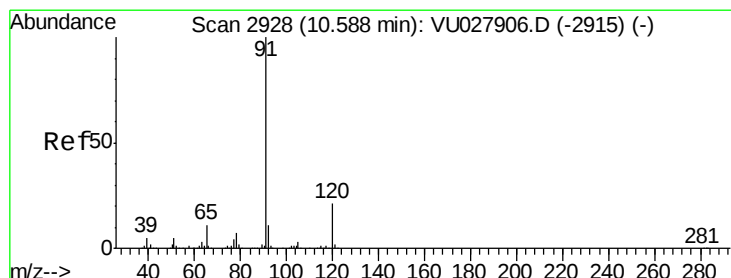
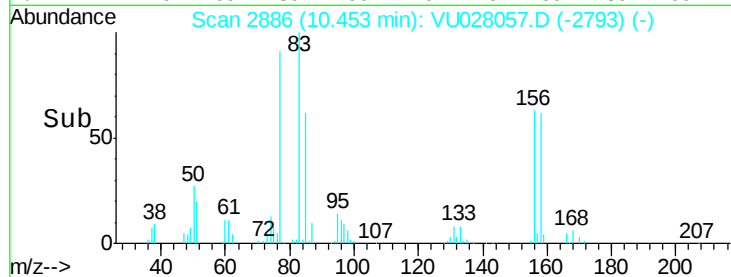
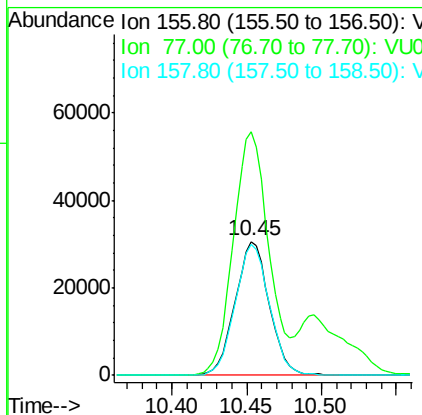
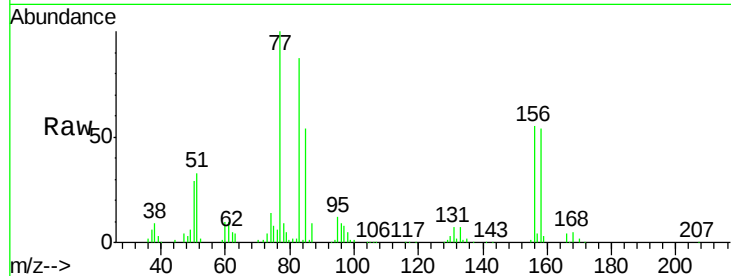
ClientSampleId :

VU1112WBS01

Tgt Ion:	156	Resp:	48551
Ion Ratio	Lower	Upper	
156	100		
77	188.3	91.8	275.6
158	98.4	48.4	145.2

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#78

n-propylbenzene

Concen: 21.515 ug/l

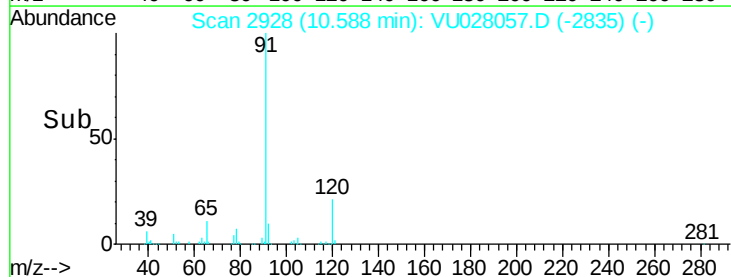
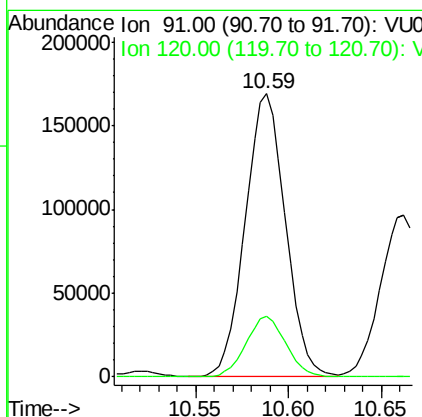
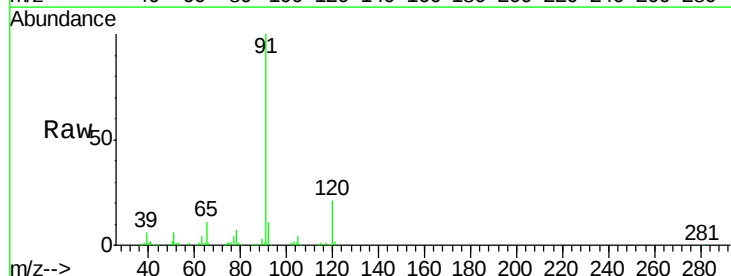
RT: 10.59 min Scan# 2928

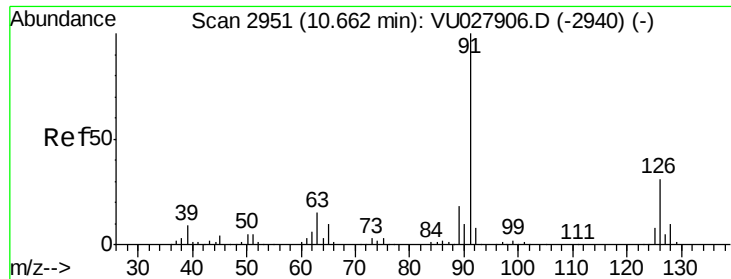
Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Tgt Ion:	91	Resp:	253562
Ion Ratio	Lower	Upper	
91	100		
120	21.3	10.6	31.8





#79

2-Chlorotoluene

Concen: 21.616 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

Tgt Ion: 91 Resp: 152699

Ion Ratio Lower Upper

91 100

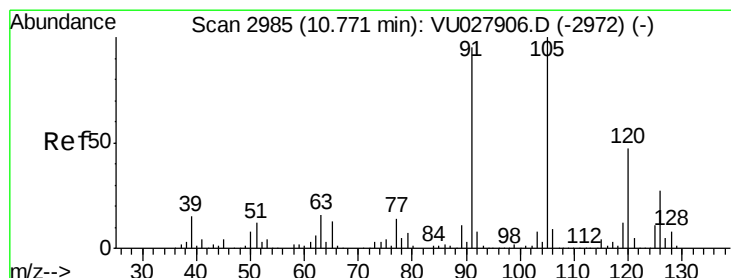
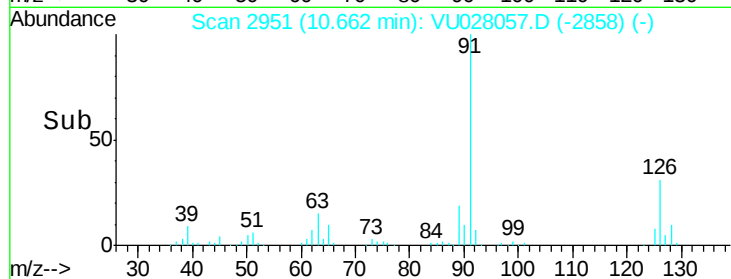
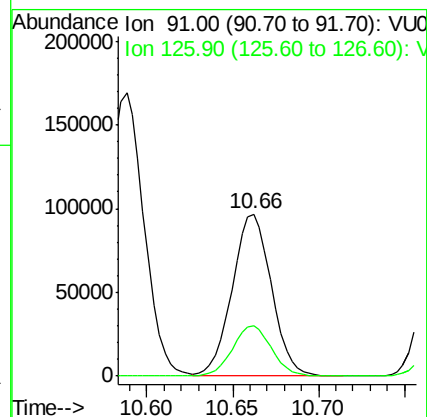
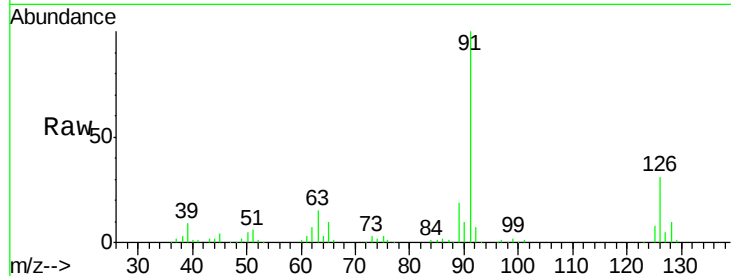
126 31.0 16.0 47.9

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#80

1,3,5-Trimethylbenzene

Concen: 21.876 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028057.D

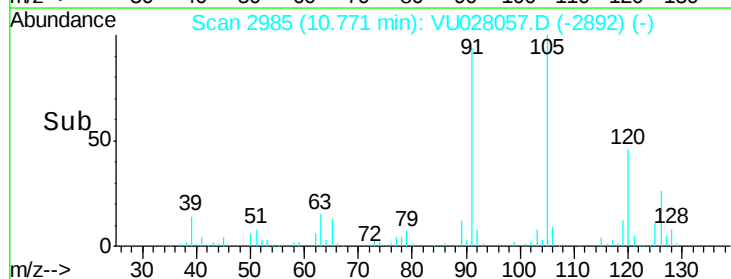
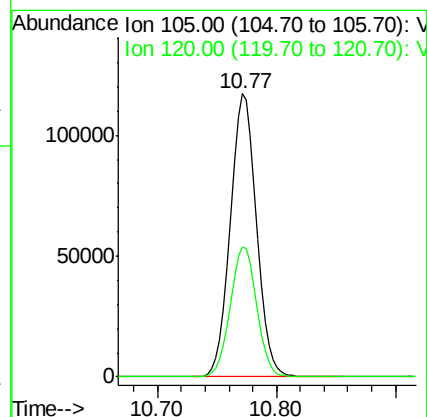
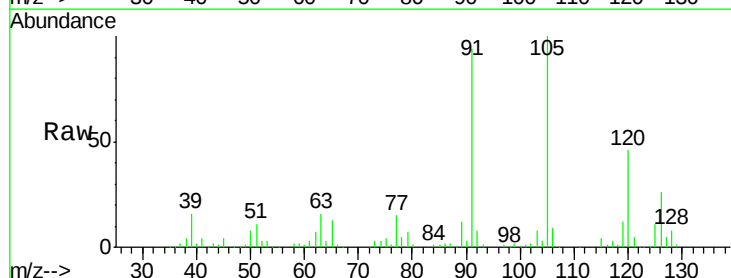
Acq: 12 Nov 2018 12:08

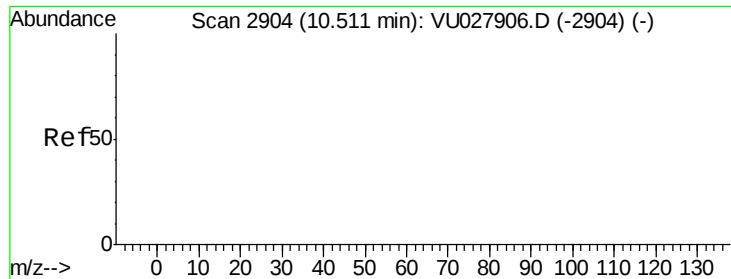
Tgt Ion: 105 Resp: 178419

Ion Ratio Lower Upper

105 100

120 46.4 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 16.622 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

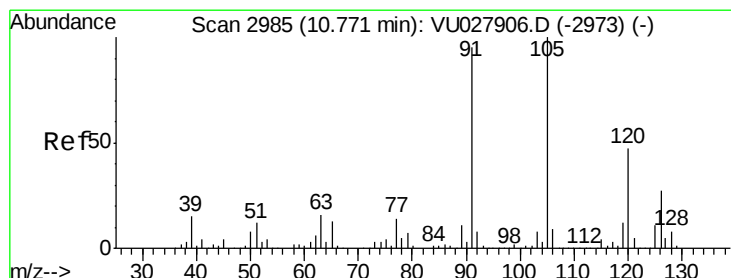
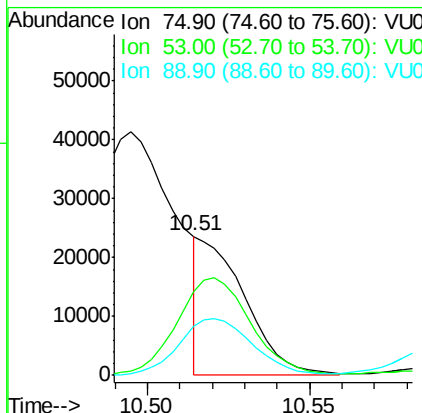
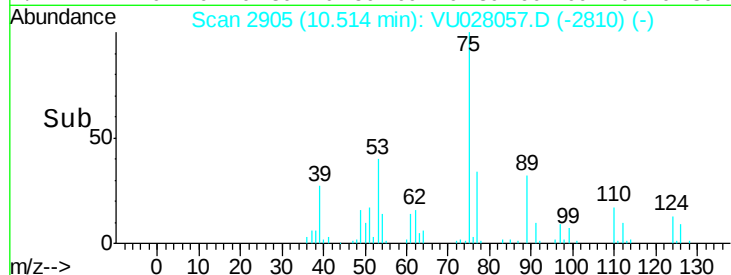
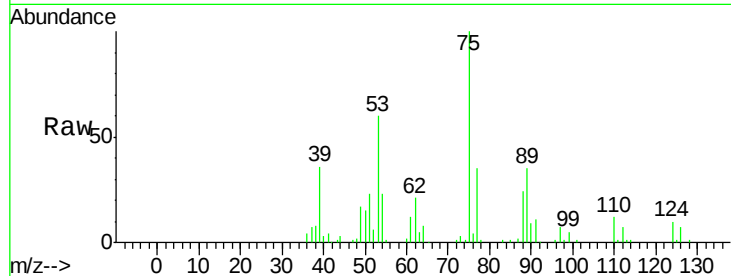
ClientSampleId :

VU1112WBS01

Tgt Ion:	75	Resp:	22897
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: 21.408 ug/l

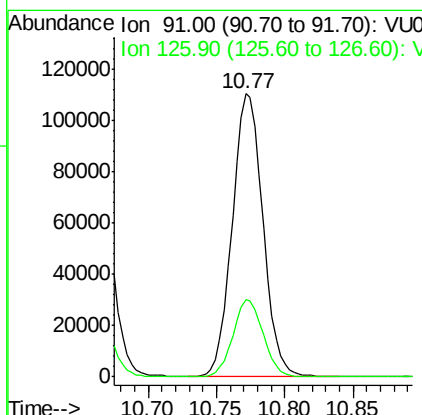
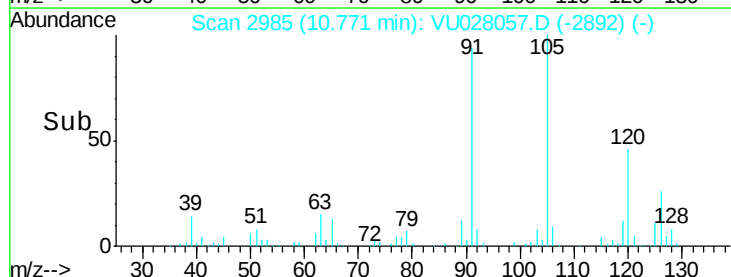
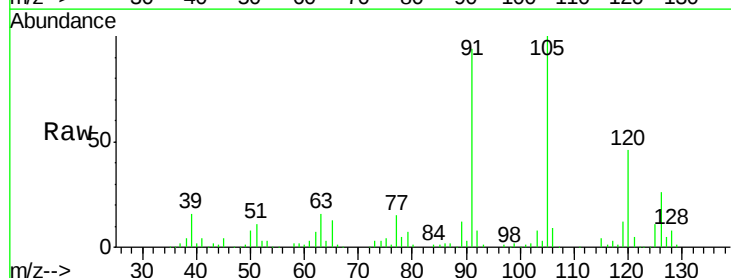
RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Tgt Ion:	91	Resp:	171682
Ion Ratio	Lower	Upper	
91	100		
126	27.1	14.2	42.6





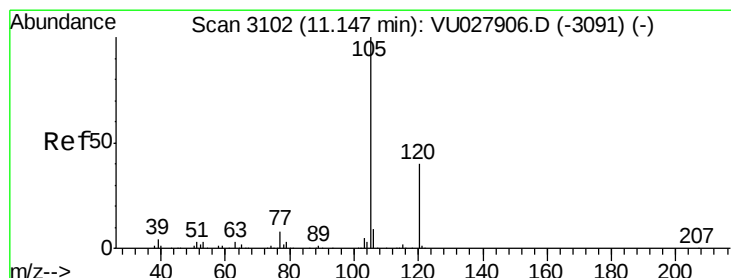
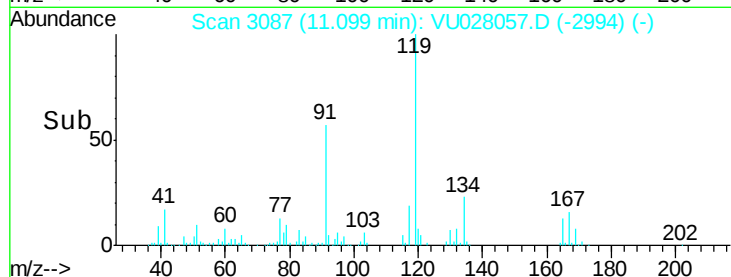
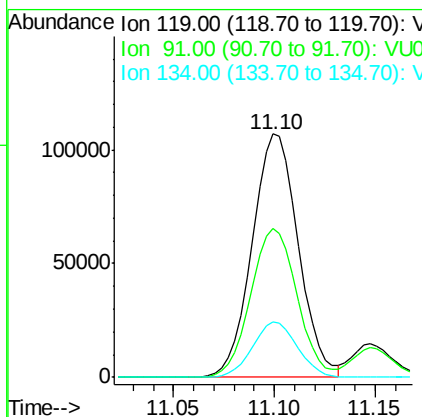
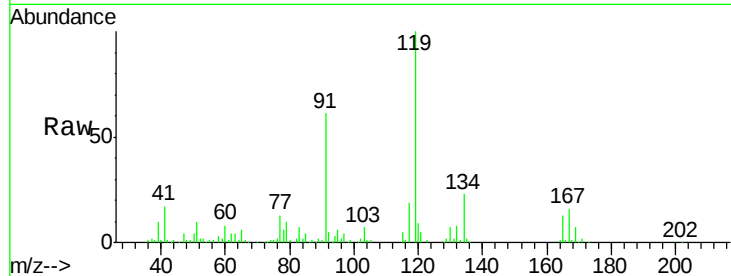
#83
tert-Butylbenzene
Concen: 20.979 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	171059		
91	61.1	29.8	89.3	
134	22.2	11.1	33.1	

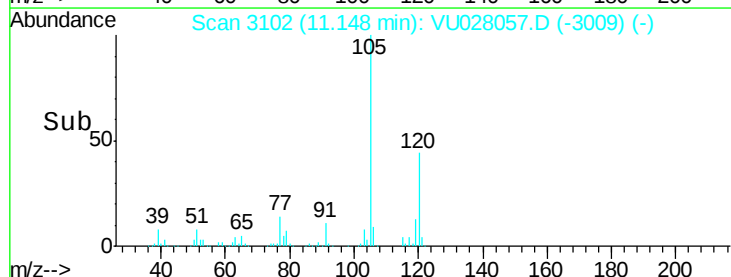
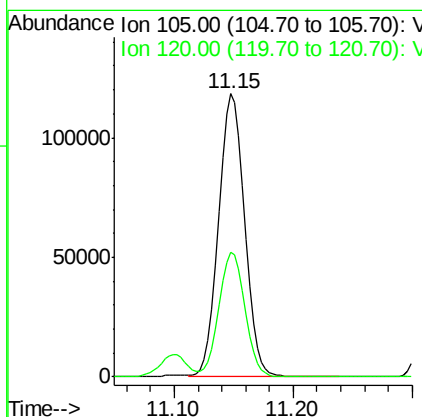
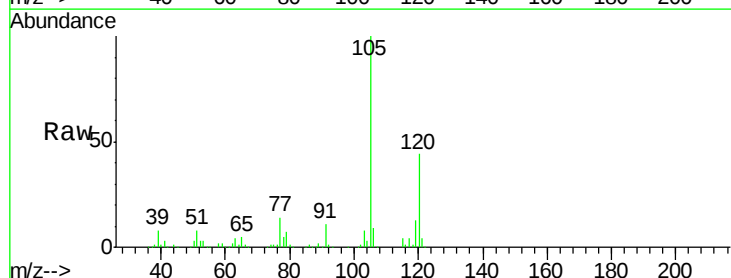
Manual Integrations
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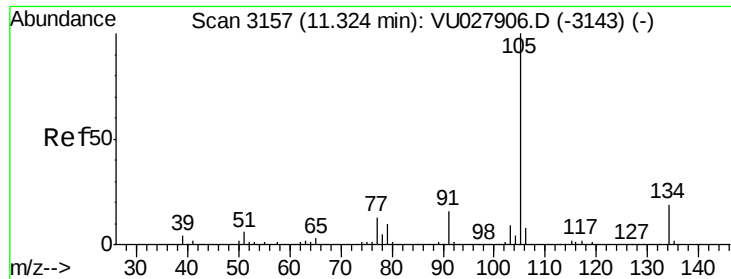
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.922 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	180042		
120	43.9	22.1	66.1	





#85

sec-Butylbenzene

Concen: 21.746 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

Instrument :

MSVOA_U

ClientSampleId :

VU1112WBS01

Tgt Ion:105 Resp: 215640

Ion Ratio Lower Upper

105 100

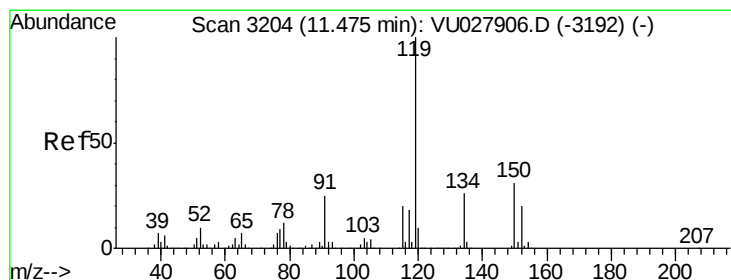
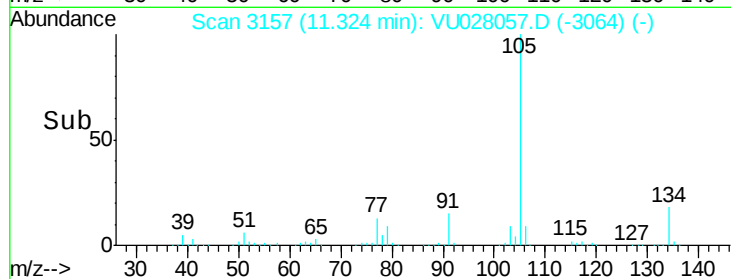
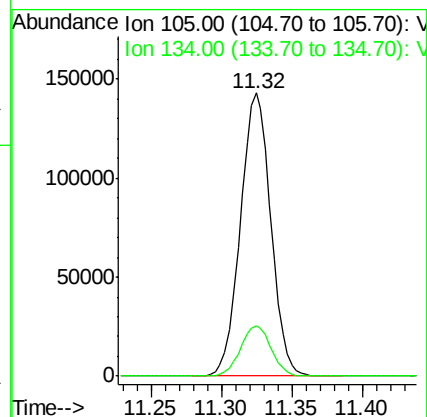
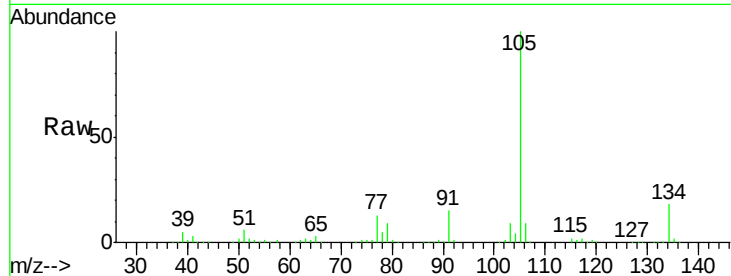
134 18.1 9.2 27.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.539 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU028057.D

Acq: 12 Nov 2018 12:08

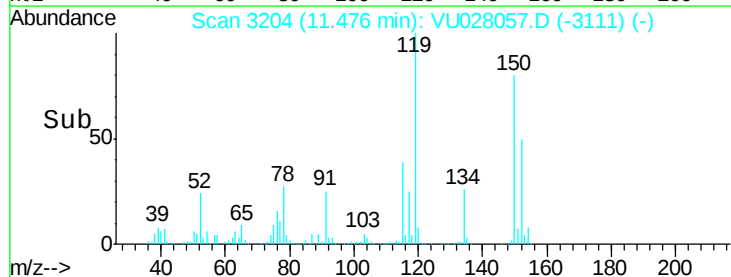
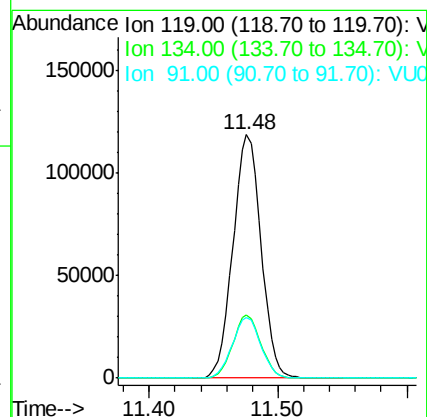
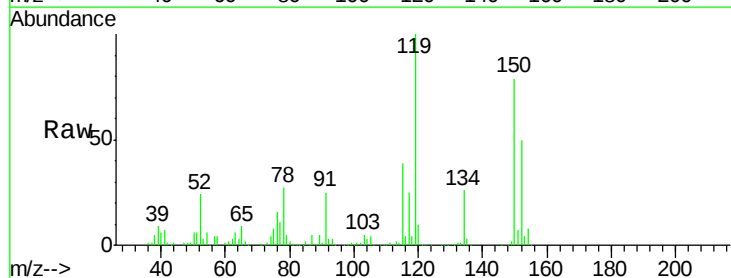
Tgt Ion:119 Resp: 178548

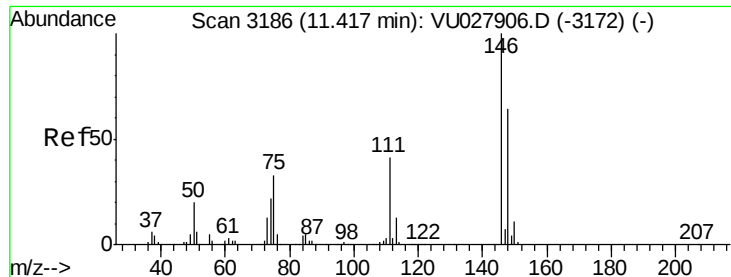
Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

91 25.4 12.4 37.2





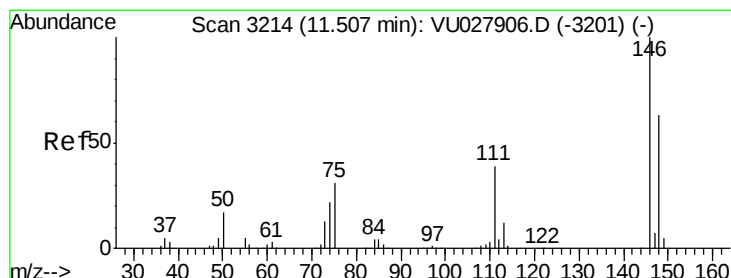
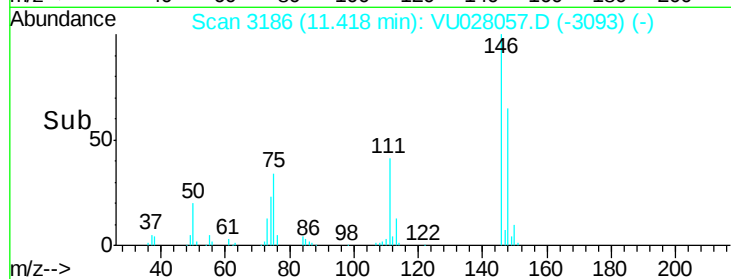
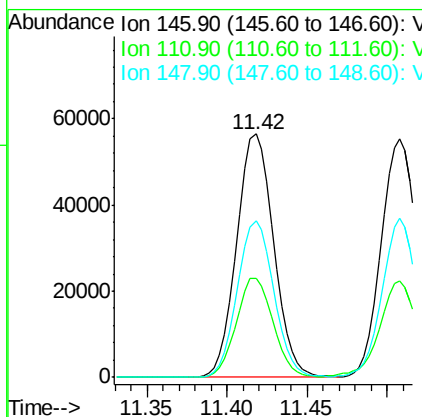
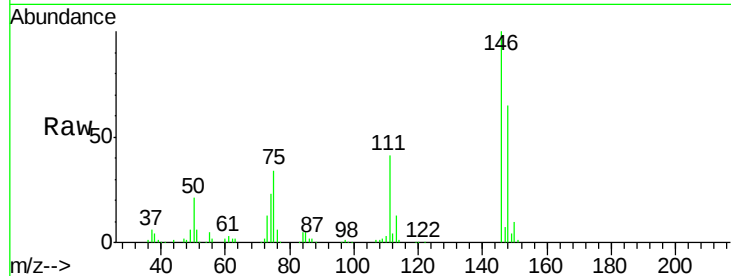
#87
 1,3-Dichlorobenzene
 Concen: 21.361 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	61.0
148	63.4	31.8	95.4

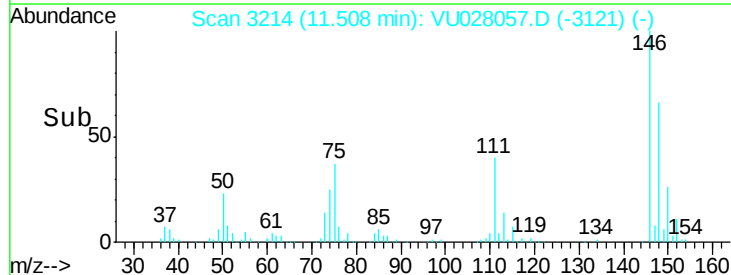
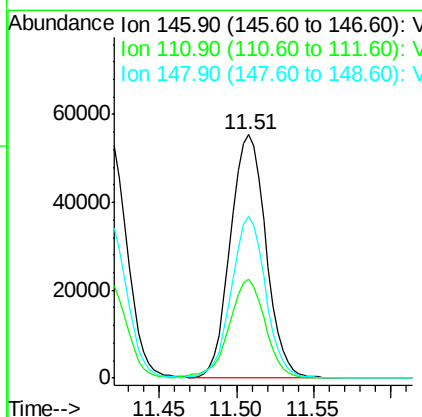
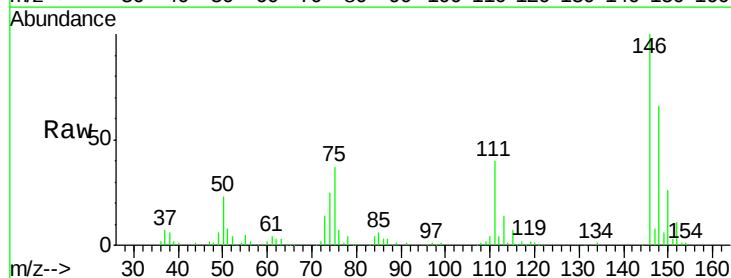
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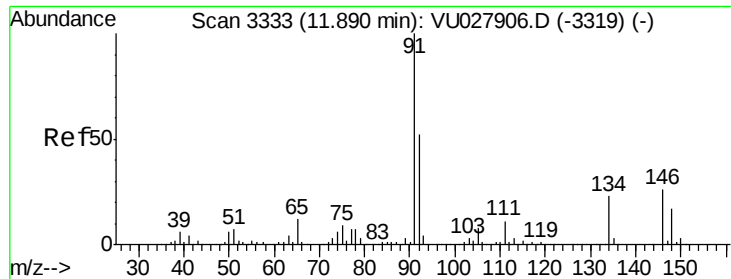
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#88
 1,4-Dichlorobenzene
 Concen: 20.522 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	60.9
148	64.9	32.0	96.2





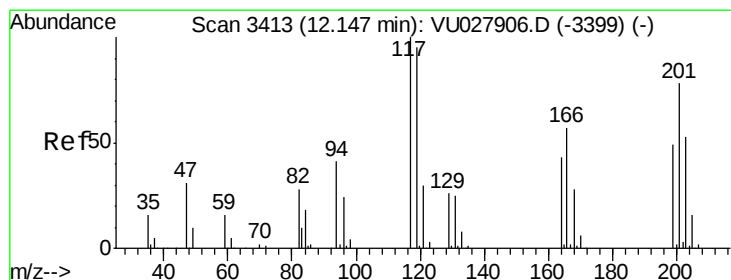
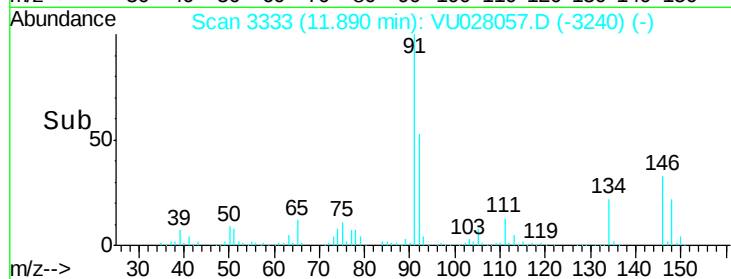
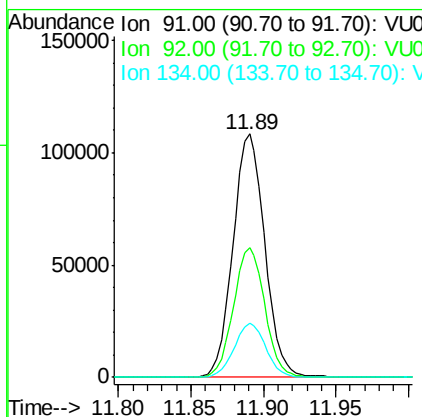
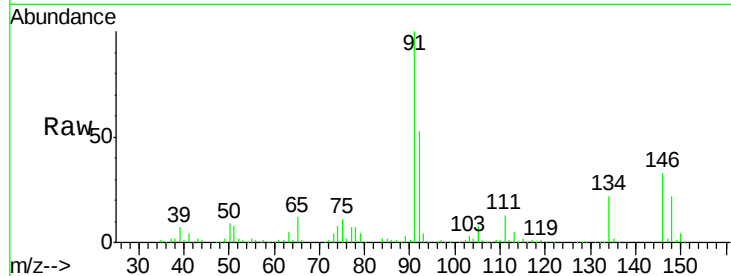
#89
n-Butylbenzene
Concen: 20.930 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	22.3	11.5	34.5

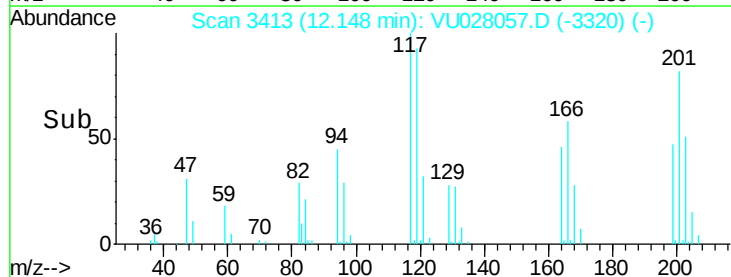
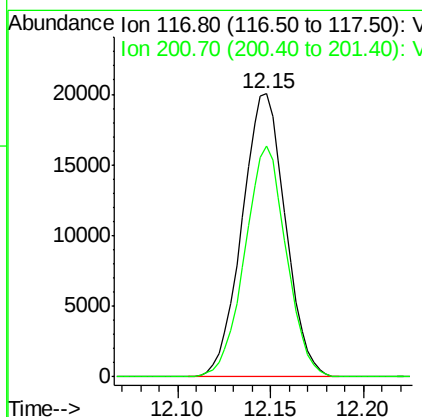
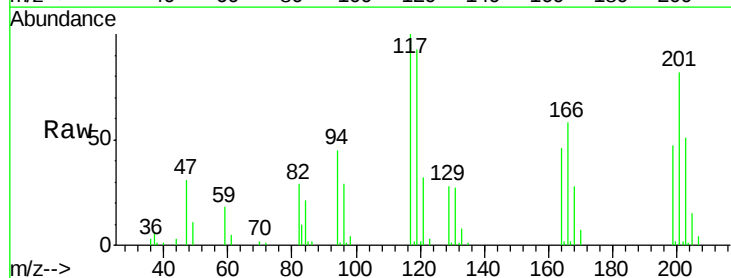
Manual Integrations
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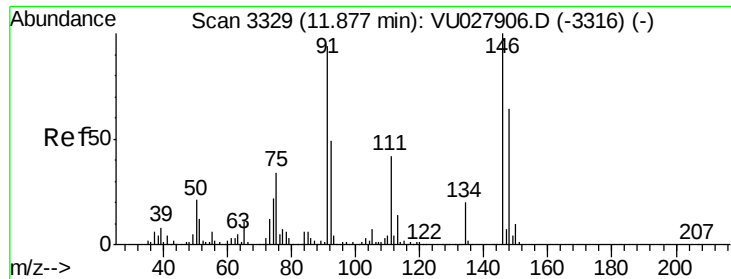
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#90
Hexachloroethane
Concen: 22.055 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.8	38.5	115.5





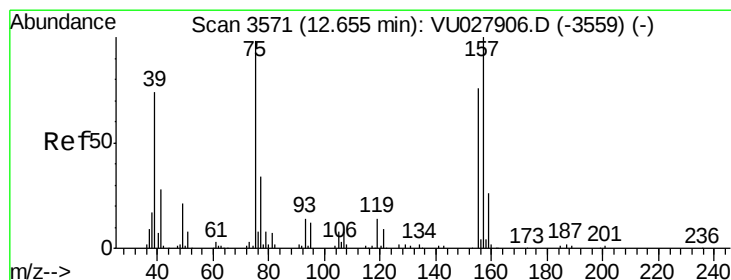
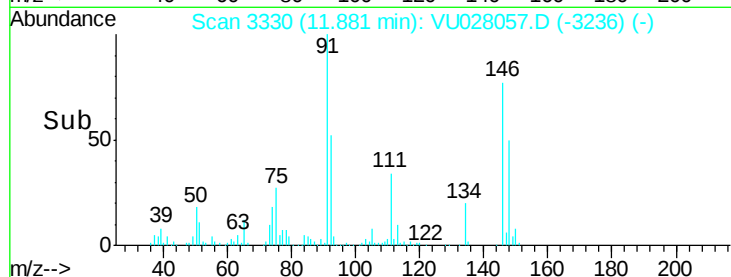
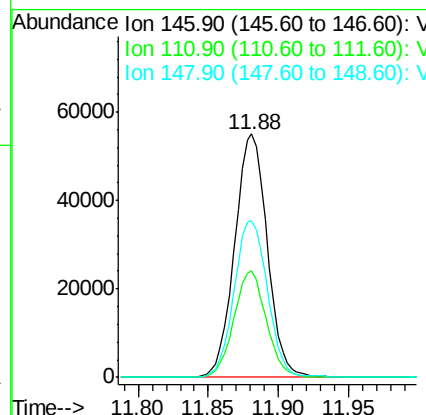
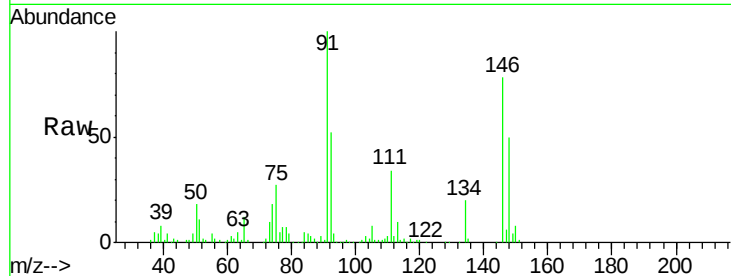
#91
 1,2-Dichlorobenzene
 Concen: 21.239 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.3	64.0
148	66.1	31.8	95.3

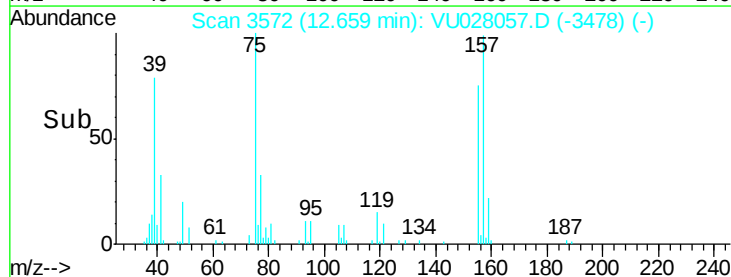
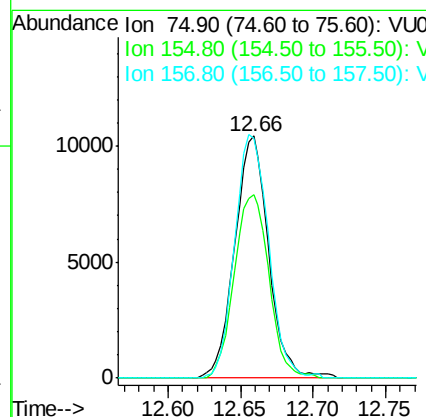
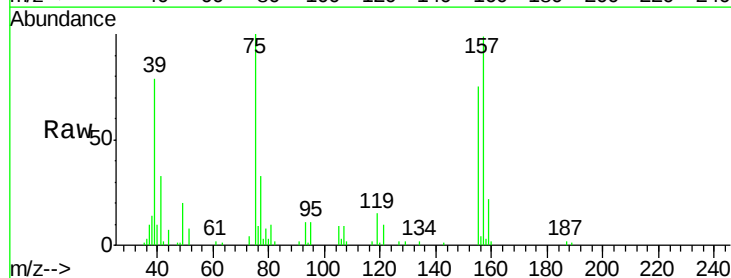
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.227 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.4	39.8	119.3
157	100.4	50.6	151.9





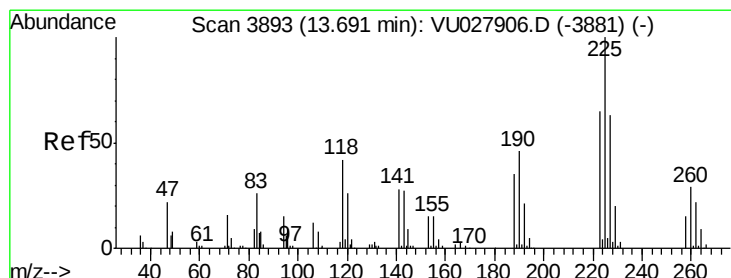
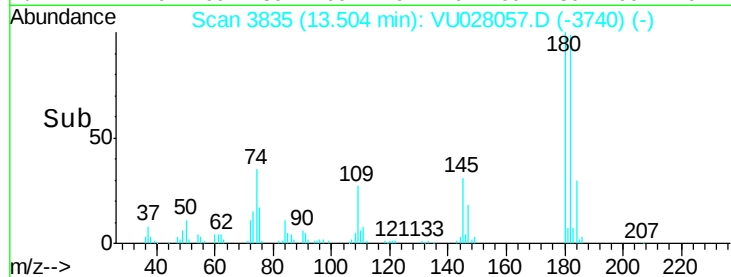
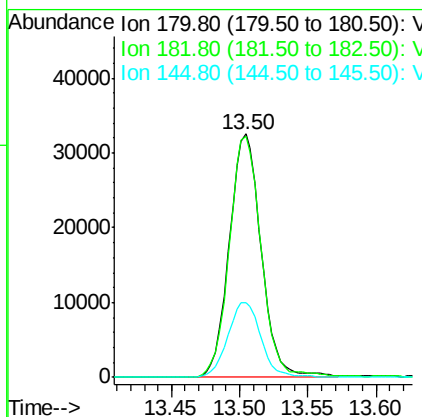
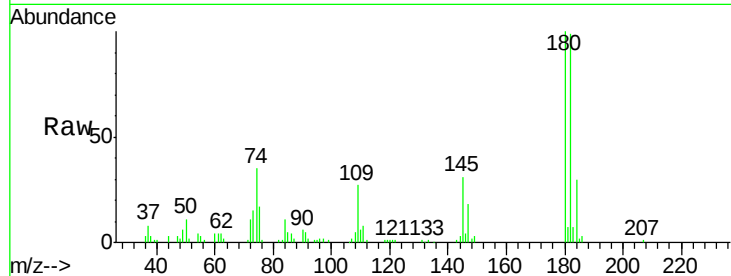
#93
 1,2,4-Trichlorobenzene
 Concen: 18.433 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1112WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	52928		
182	98.9	48.4	145.2	
145	31.9	14.9	44.5	

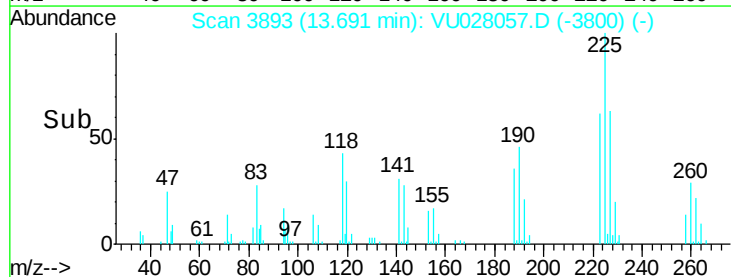
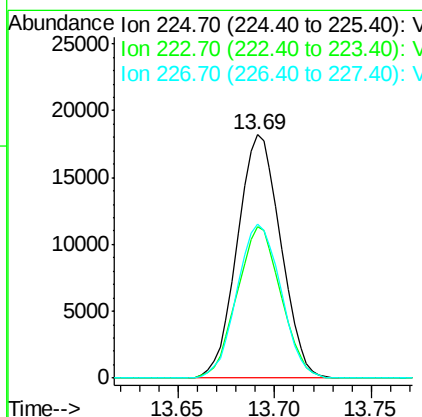
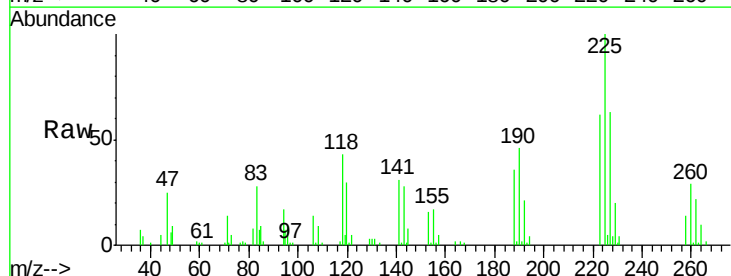
Manual Integrations
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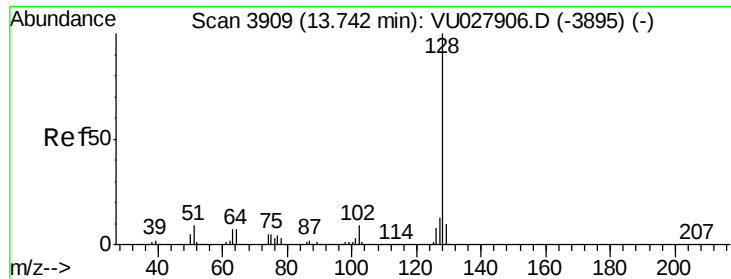
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#94
 Hexachlorobutadiene
 Concen: 21.321 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028057.D
 Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28420		
223	62.6	32.2	96.6	
227	64.0	32.5	97.4	





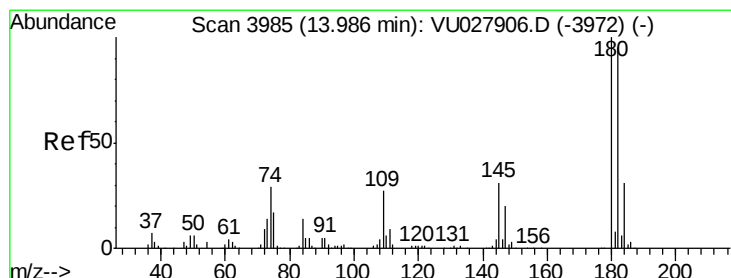
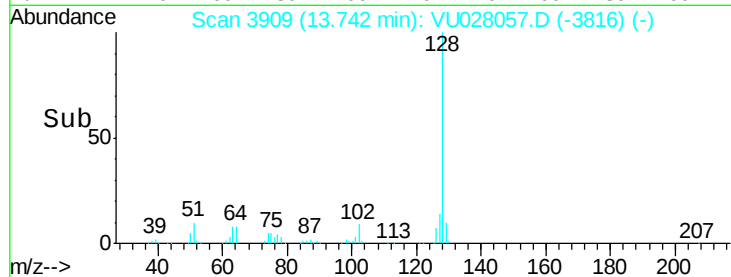
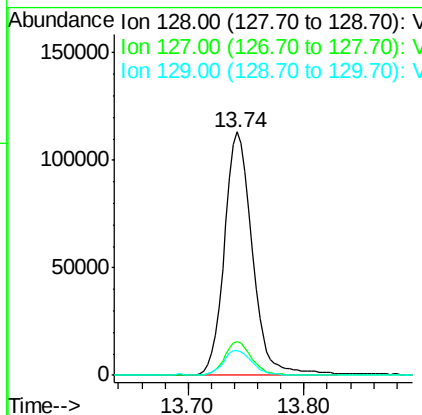
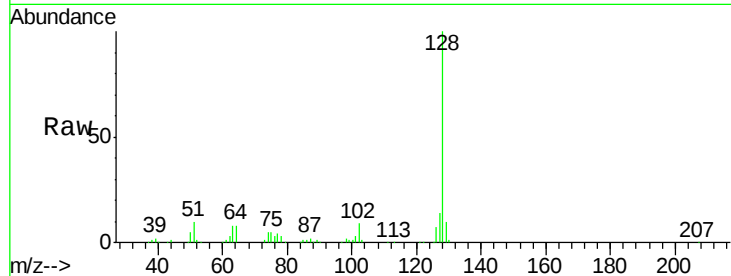
#95
Naphthalene
Concen: 18.067 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Instrument :
MSVOA_U
ClientSampleId :
VU1112WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	189555		
127	13.5	10.4	15.6	
129	10.2	8.3	12.5	

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#96
1,2,3-Trichlorobenzene
Concen: 20.399 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028057.D
Acq: 12 Nov 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	57409		
182	93.7	47.4	142.3	
145	31.3	16.0	47.9	

