

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062818\
 Data File : VU025039.D
 Acq On : 28 Jun 2018 23:34
 Operator : MD/SY
 Sample : VU0628MBS03
 Misc : 5.00uL/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 4:23:43 PM

Quant Time: Jun 29 07:50:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	178002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	276189	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	253653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	146590	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	145748	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
35) Dibromofluoromethane	4.89	113	117679	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
50) Toluene-d8	7.57	98	384495	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
62) 4-Bromofluorobenzene	10.31	95	156889	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	38792	17.41	ug/l	98
3) Chloromethane	1.33	50	43368	19.05	ug/l	96
4) Vinyl Chloride	1.40	62	45526	19.39	ug/l	97
5) Bromomethane	1.62	94	30372	26.76	ug/l	99
6) Chloroethane	1.70	64	29599	21.97	ug/l	100
7) Trichlorofluoromethane	1.89	101	73914	20.63	ug/l	100
8) Diethyl Ether	2.10	74	28480	22.32	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	43805	19.71	ug/l	97
10) Methyl Iodide	2.41	142	46196	27.25	ug/l	97
11) Tert butyl alcohol	2.82	59	69802	98.77	ug/l	100
12) 1,1-Dichloroethene	2.29	96	40086	19.78	ug/l	98
13) Acrolein	2.19	56	16706	45.01	ug/l	98
14) Allyl chloride	2.60	41	67188	17.85	ug/l	98
15) Acrylonitrile	2.93	53	143623	104.45	ug/l	99
16) Acetone	2.32	43	136344	87.32	ug/l	99
17) Carbon Disulfide	2.48	76	114159	17.59	ug/l	100
18) Methyl Acetate	2.62	43	82029	24.51	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	161981	21.26	ug/l	96
20) Methylene Chloride	2.70	84	49753	20.31	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	45239	20.27	ug/l	95
22) Diisopropyl ether	3.57	45	154454	20.70	ug/l	95
23) Vinyl Acetate	3.53	43	646193	96.70	ug/l	98
24) 1,1-Dichloroethane	3.45	63	89376	20.83	ug/l	98
25) 2-Butanone	4.26	43	210754	100.49	ug/l	96
26) 2,2-Dichloropropane	4.23	77	64754	15.89	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	54384	21.19	ug/l	96
28) Bromochloromethane	4.55	49	39541	20.92	ug/l	87
29) Tetrahydrofuran	4.64	42	132935	102.36	ug/l	96
30) Chloroform	4.68	83	92078	21.20	ug/l	97
31) Cyclohexane	5.00	56	81741	20.27	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	86116	21.44	ug/l	96
36) 1,1-Dichloropropene	5.14	75	65719	20.25	ug/l	98
37) Ethyl Acetate	4.38	43	75480	21.34	ug/l	96
38) Carbon Tetrachloride	5.14	117	73534	20.60	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	79133	19.54	ug/l	95
40) Benzene	5.39	78	194257	21.01	ug/l	99
41) Methacrylonitrile	4.55	41	41971	22.01	ug/l	96
42) 1,2-Dichloroethane	5.41	62	80417	22.83	ug/l	99
43) Isopropyl Acetate	5.55	43	122786	20.08	ug/l	99
44) Trichloroethene	6.19	130	54148	20.57	ug/l	98
45) 1,2-Dichloropropane	6.44	63	50329	20.40	ug/l	95
46) Dibromomethane	6.56	93	37892	21.86	ug/l	97
47) Bromodichloromethane	6.76	83	68883	19.96	ug/l	99
48) Methyl methacrylate	6.63	41	63934	21.47	ug/l	98
49) 1,4-Dioxane	6.62	88	27912	479.38	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	399549	104.01	ug/l	98
52) Toluene	7.64	92	125699	21.13	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	73494	18.96	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	77080	18.66	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	50348	20.82	ug/l	98
56) Ethyl methacrylate	8.02	69	81310	20.09	ug/l	99
57) 1,3-Dichloropropane	8.25	76	87039	21.33	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	33340	21.50	ug/l	93
59) 2-Hexanone	8.36	43	309250	98.61	ug/l	99
60) Dibromochloromethane	8.48	129	57628	19.11	ug/l	97
61) 1,2-Dibromoethane	8.59	107	56680	21.06	ug/l	100
64) Tetrachloroethene	8.23	164	52085	21.60	ug/l	97
65) Chlorobenzene	9.12	112	138901	21.44	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	53261	21.63	ug/l	99
67) Ethyl Benzene	9.25	91	241965	21.30	ug/l	96
68) m/p-Xylenes	9.38	106	188231	43.15	ug/l	96
69) o-Xylene	9.78	106	95902	22.21	ug/l	96
70) Styrene	9.80	104	146192	20.61	ug/l	97
71) Bromoform	9.96	173	43582	18.63	ug/l #	98
73) Isopropylbenzene	10.17	105	252646	22.45	ug/l	99
74) N-amyl acetate	10.01	43	104012	19.43	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	84551	22.42	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	72306m	22.40	ug/l	
77) Bromobenzene	10.45	156	62373	21.89	ug/l	95
78) n-propylbenzene	10.59	91	278026	20.97	ug/l	98
79) 2-Chlorotoluene	10.66	91	170266	21.78	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	215629	22.10	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	24430m	17.52	ug/l	
82) 4-Chlorotoluene	10.78	91	193823	21.30	ug/l	99
83) tert-Butylbenzene	11.10	119	212325	22.63	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	215924	21.72	ug/l	100
85) sec-Butylbenzene	11.33	105	252971	21.54	ug/l	97
86) p-Isopropyltoluene	11.48	119	220756	20.99	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	111993	21.28	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	111886	21.12	ug/l	98
89) n-Butylbenzene	11.89	91	167509	17.94	ug/l	97
90) Hexachloroethane	12.15	117	38503	18.76	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	119098	22.59	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	21348	20.51	ug/l	93

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	69728	21.42	ug/l	99
94) Hexachlorobutadiene	13.70	225	37626	20.53	ug/l	99
95) Naphthalene	13.75	128	242955	22.91	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	75805	23.37	ug/l	99

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

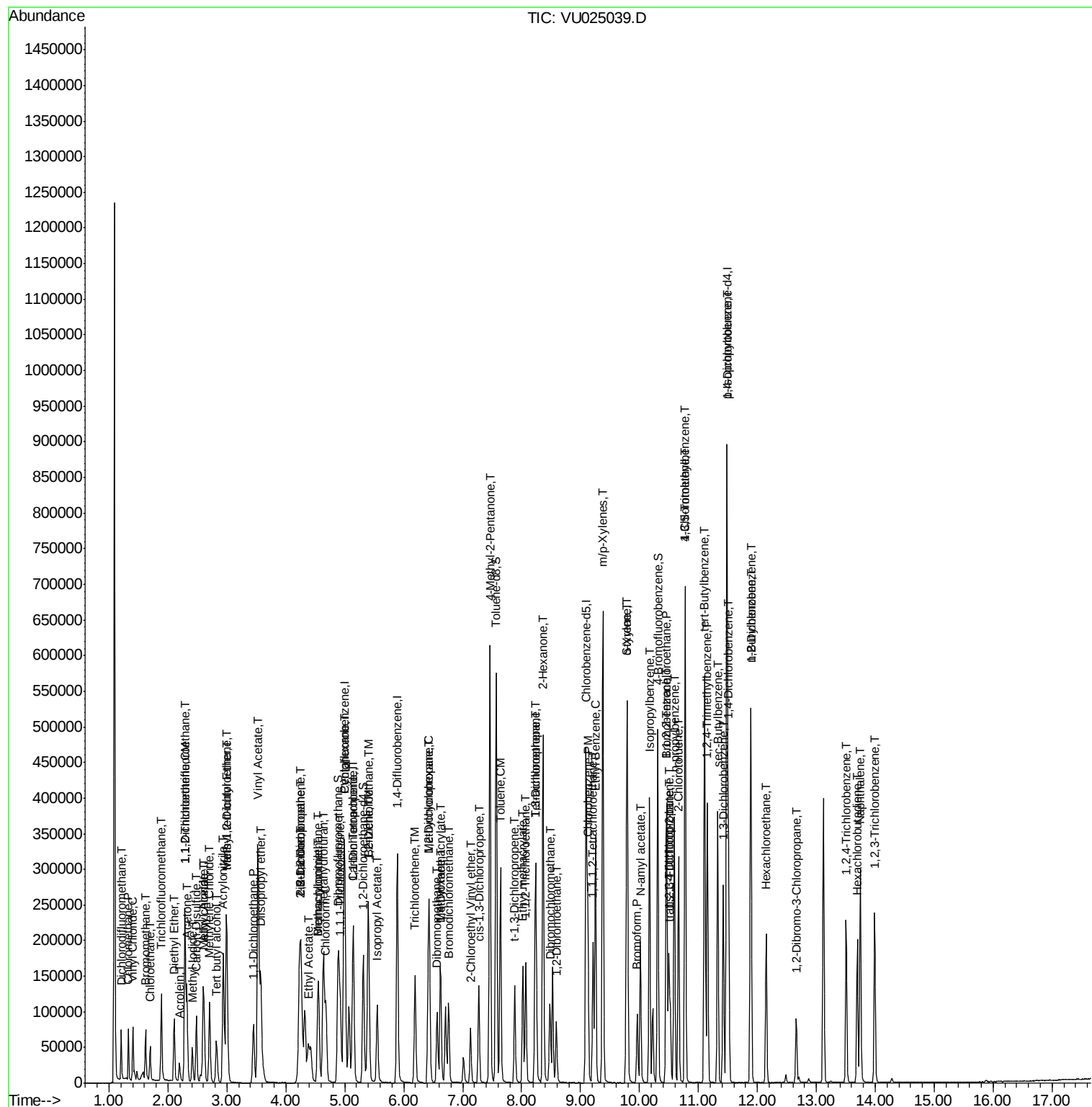
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Data File : VU025039.D
Acq On : 28 Jun 2018 23:34
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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

Tot Ion:168 Resp: 178002

Ion Ratio Lower Upper

168 100

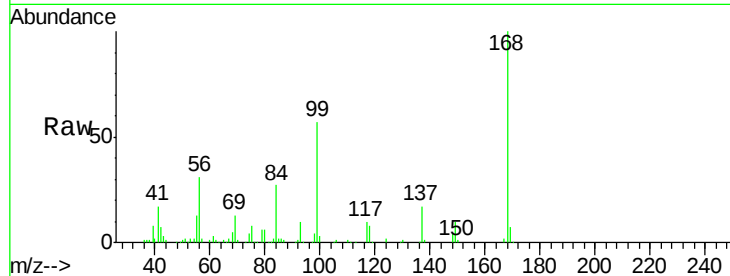
99 57.1 43.2 64.8

Manual Integrations

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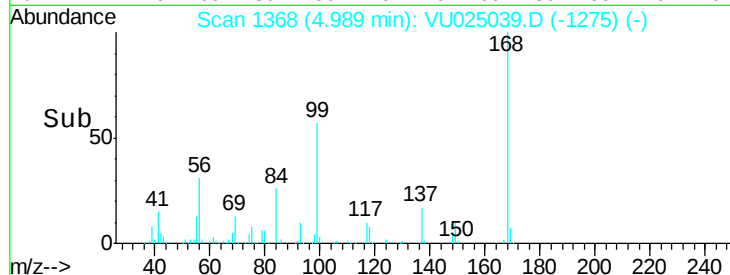
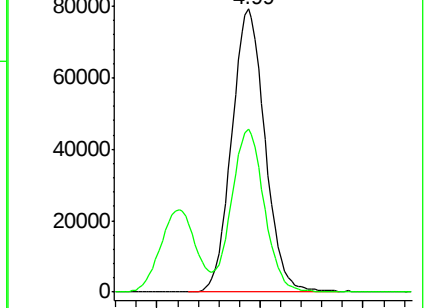
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Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 17.41 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025039.D

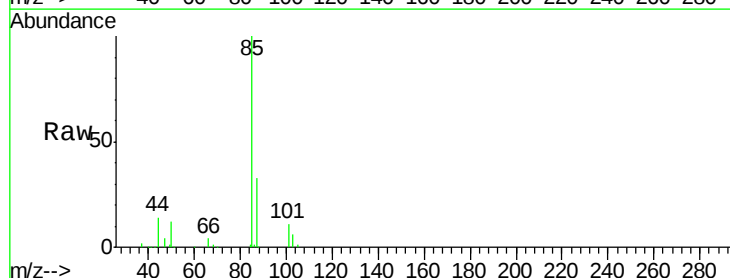
Acq: 28 Jun 2018 23:34

Tgt Ion: 85 Resp: 38792

Ion Ratio Lower Upper

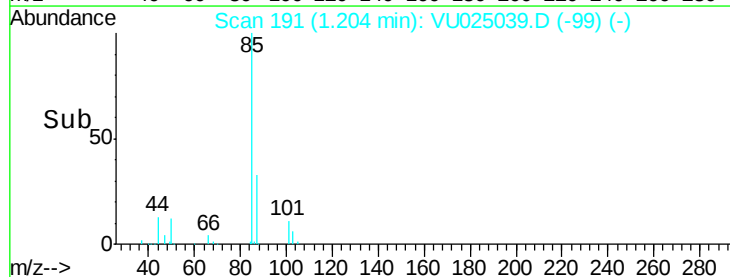
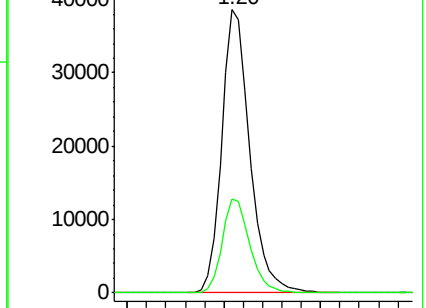
85 100

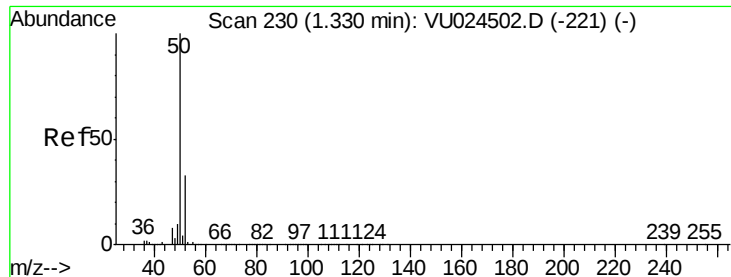
87 33.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 19.05 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

Tot Ion: 50 Resp: 43368

Ion Ratio Lower Upper

50 100

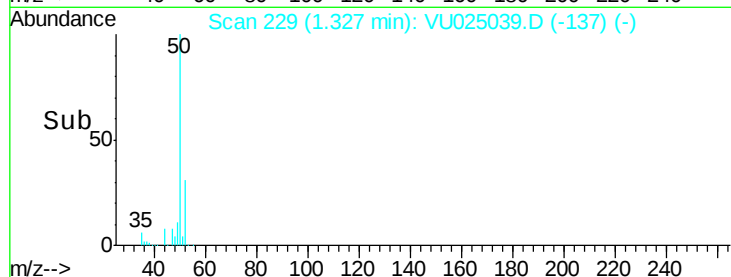
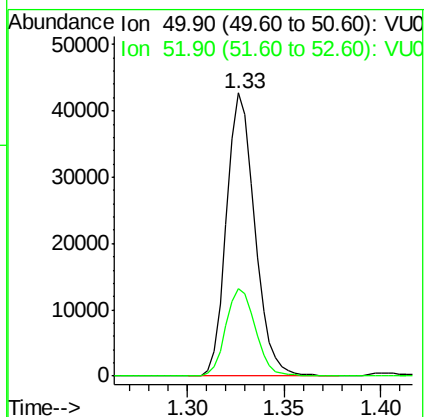
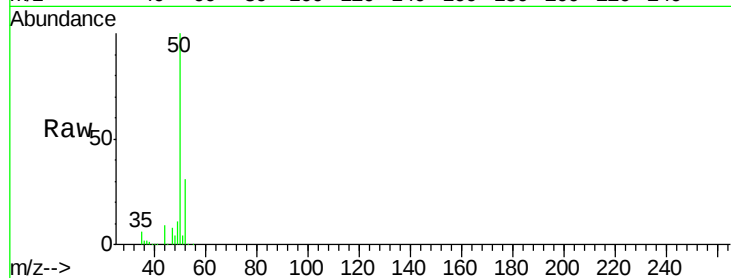
52 30.8 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.39 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025039.D

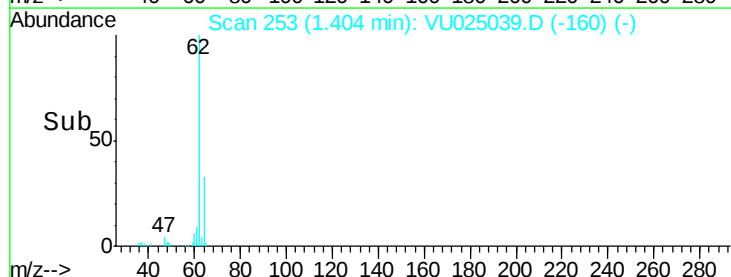
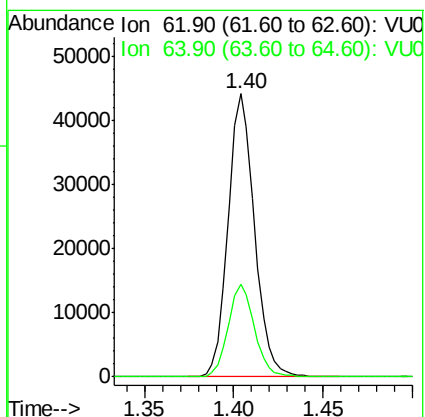
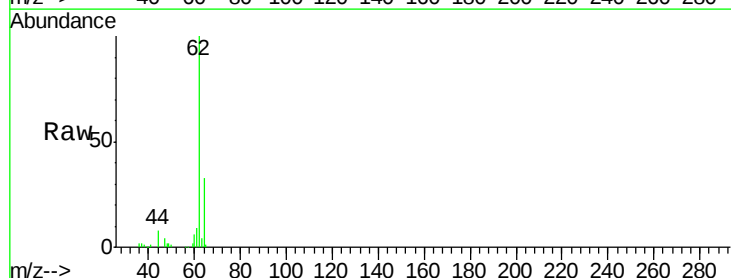
Acq: 28 Jun 2018 23:34

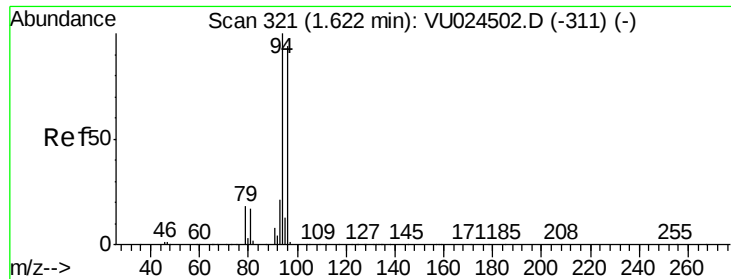
Tgt Ion: 62 Resp: 45526

Ion Ratio Lower Upper

62 100

64 32.5 24.8 37.2





#5

Bromomethane

Concen: 26.76 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

Tot Ion: 94 Resp: 30372

Ion Ratio Lower Upper

94 100

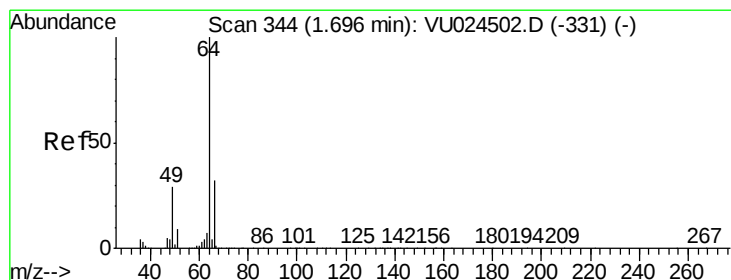
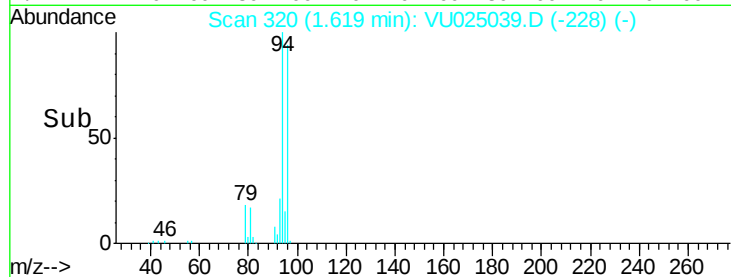
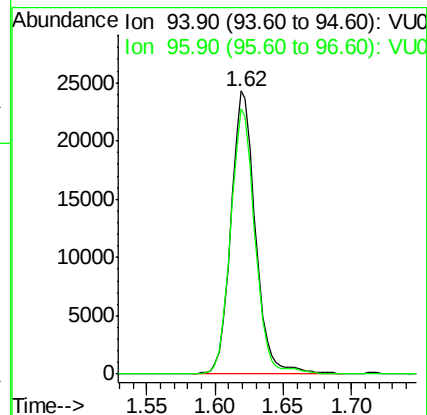
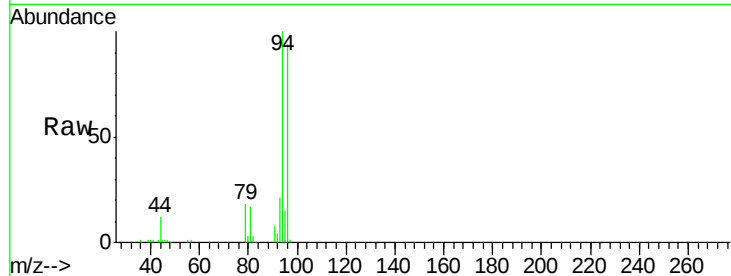
96 93.9 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 21.97 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025039.D

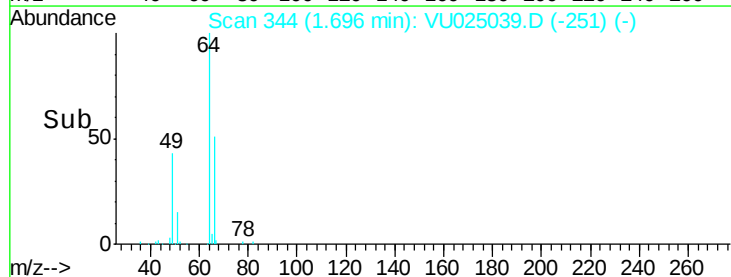
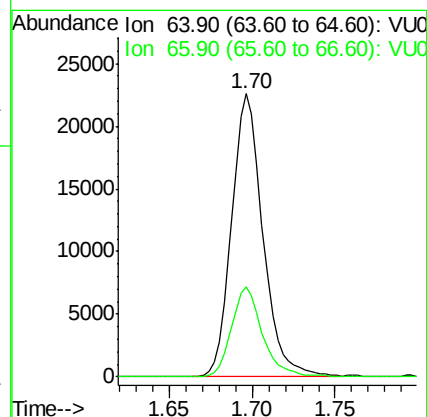
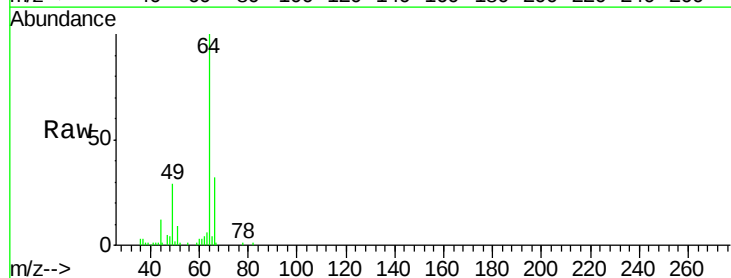
Acq: 28 Jun 2018 23:34

Tgt Ion: 64 Resp: 29599

Ion Ratio Lower Upper

64 100

66 31.6 25.5 38.3





#7

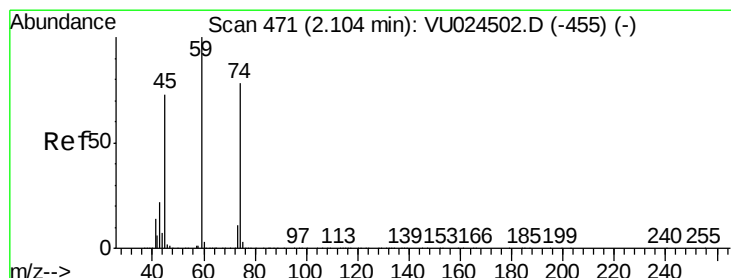
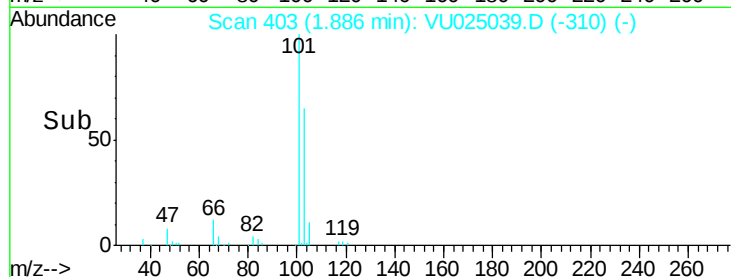
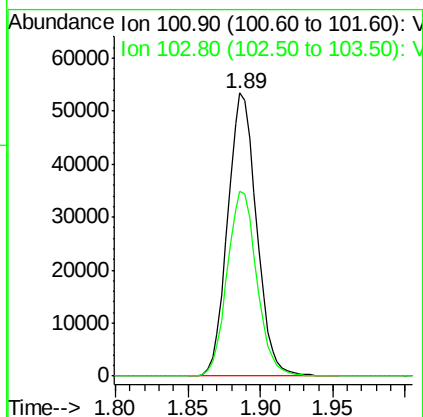
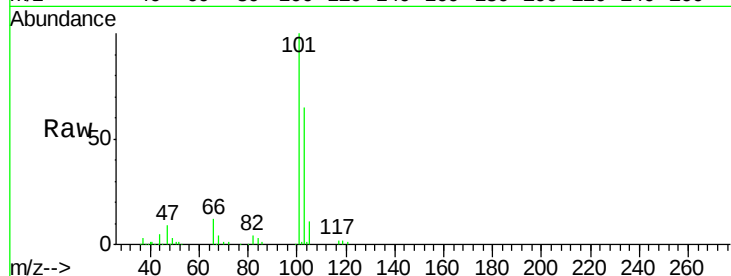
Trichlorofluoromethane
Concen: 20.63 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.3	78.5

Manual Integrations
APPROVED

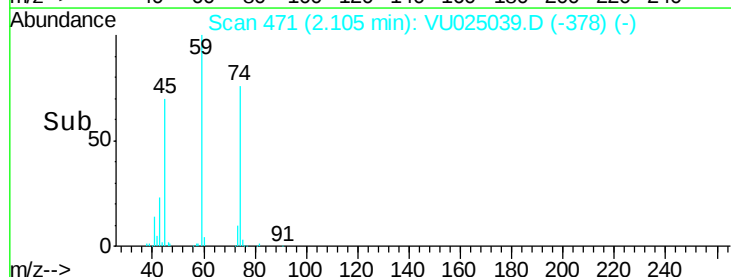
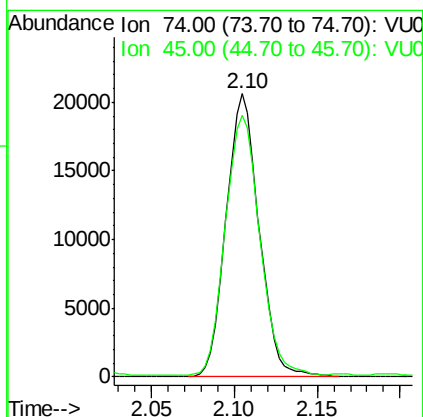
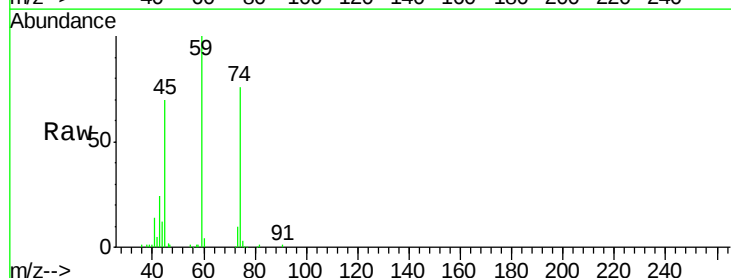
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#8

Diethyl Ether
Concen: 22.32 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.71 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

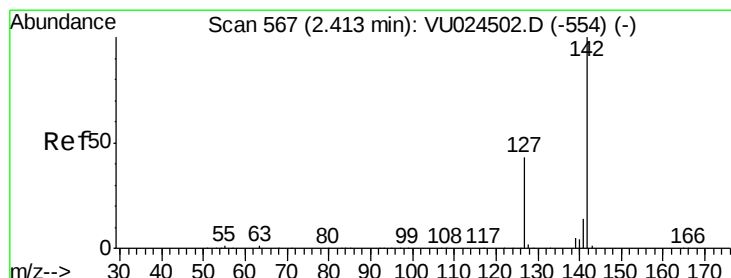
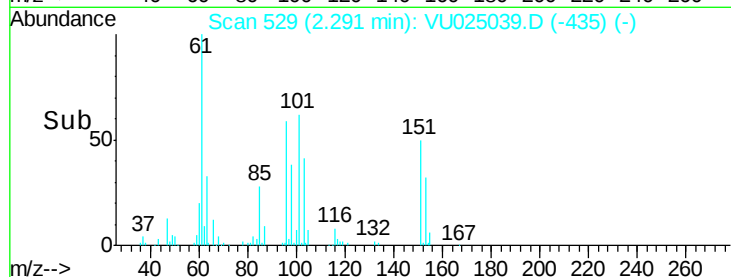
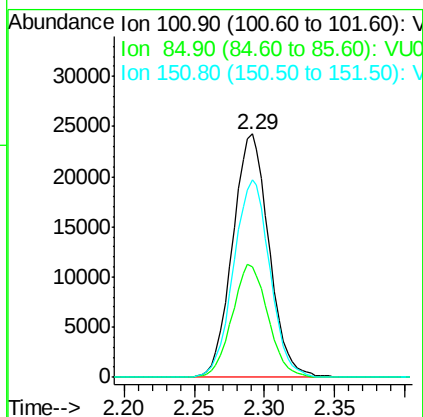
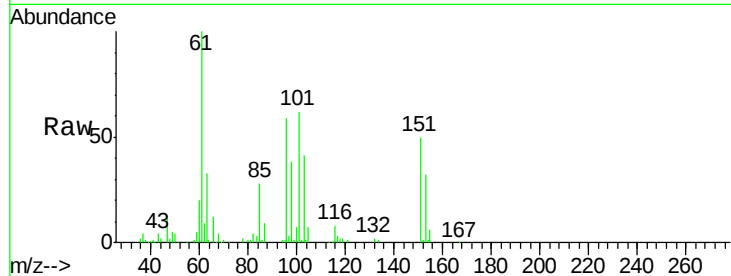
ClientSampleId :

VU0628MBS03

Tot Ion:	101	Resp:	43805
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.0	54.0
151	81.1	62.3	93.5

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#10

Methyl Iodide

Concen: 27.25 ug/l

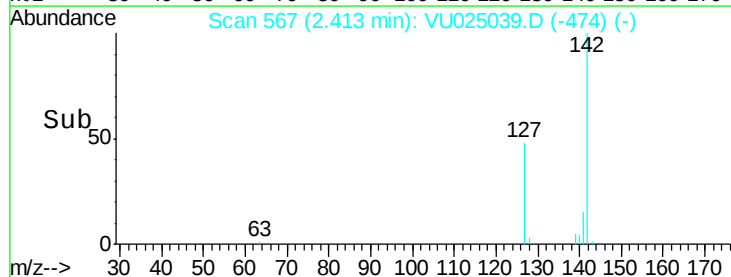
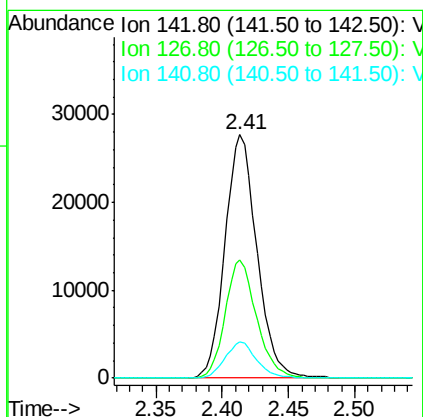
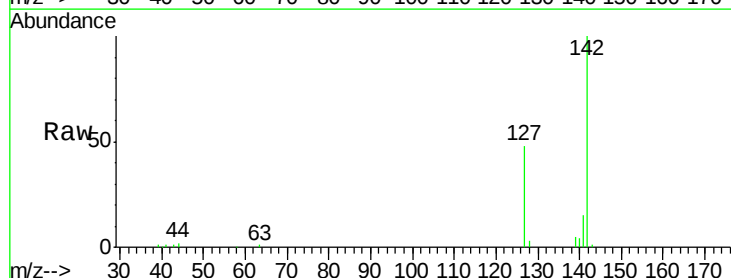
RT: 2.41 min Scan# 567

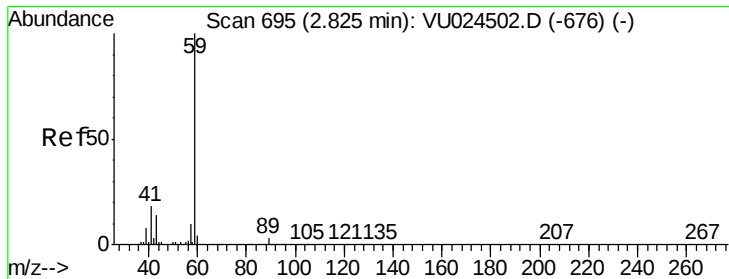
Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Tgt Ion:	142	Resp:	46196
Ion Ratio	Lower	Upper	
142	100		
127	47.3	35.6	53.4
141	14.5	11.7	17.5





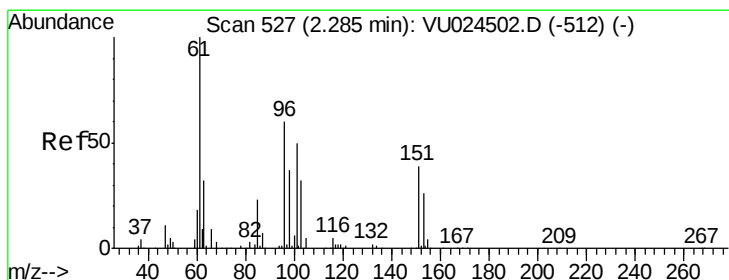
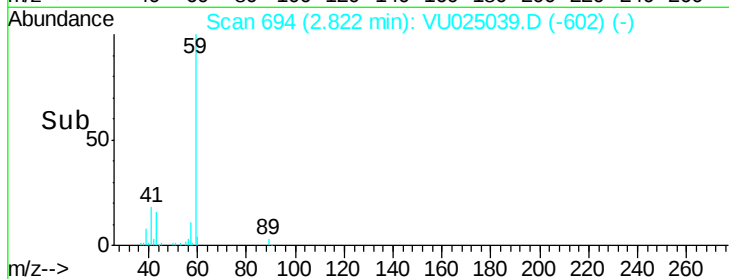
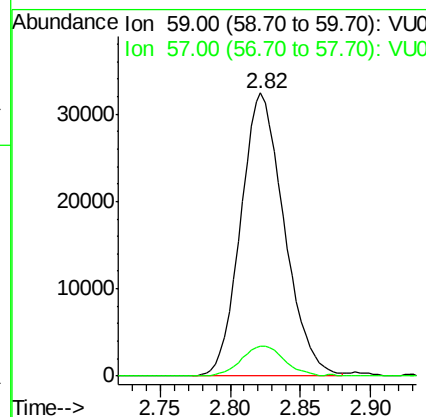
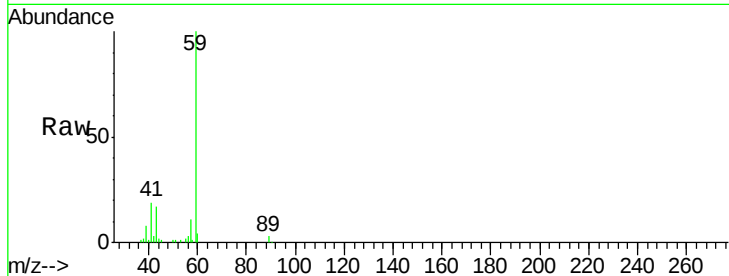
#11
Tert butyl alcohol
Concen: 98.77 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

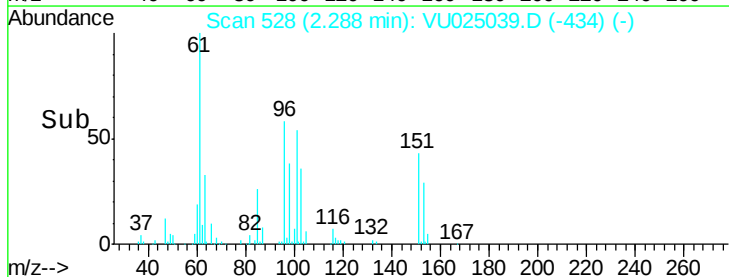
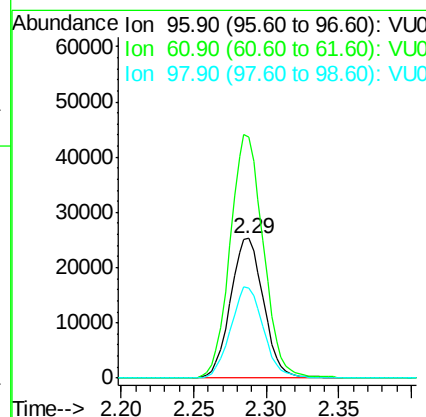
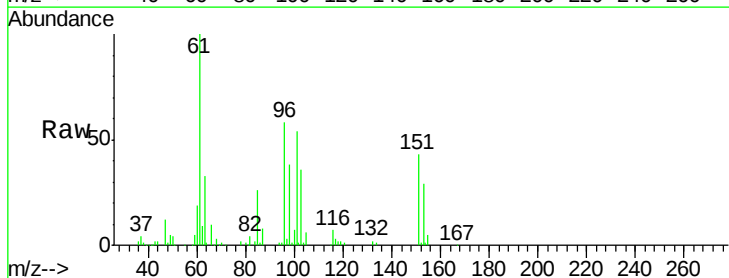
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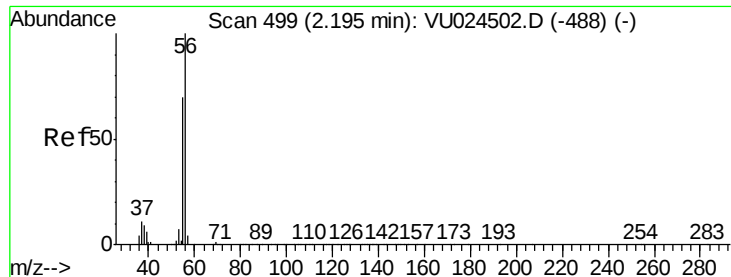
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.78 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.5	141.7	212.5
98	64.8	51.6	77.4





#13

Acrolein

Concen: 45.01 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

Tot Ion: 56 Resp: 16706

Ion Ratio Lower Upper

56 100

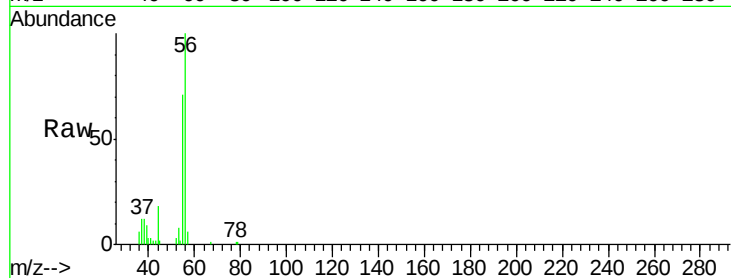
55 74.5 58.4 87.6

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

12000

10000

8000

6000

4000

2000

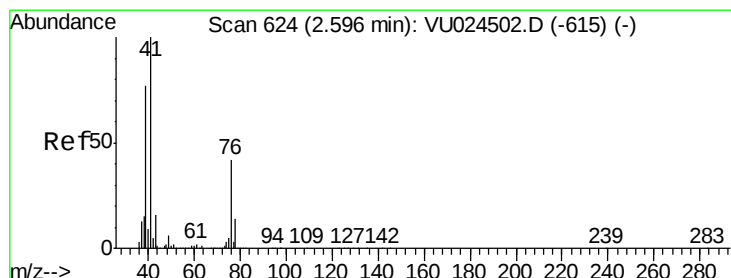
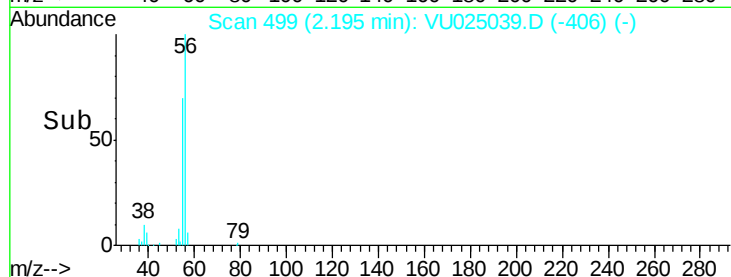
0

Time-->

2.15

2.20

2.25



#14

Allyl chloride

Concen: 17.85 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

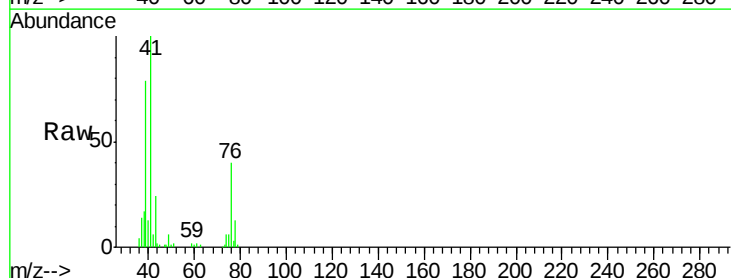
Tgt Ion: 41 Resp: 67188

Ion Ratio Lower Upper

41 100

39 78.7 61.6 92.4

76 38.3 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

50000

40000

30000

20000

10000

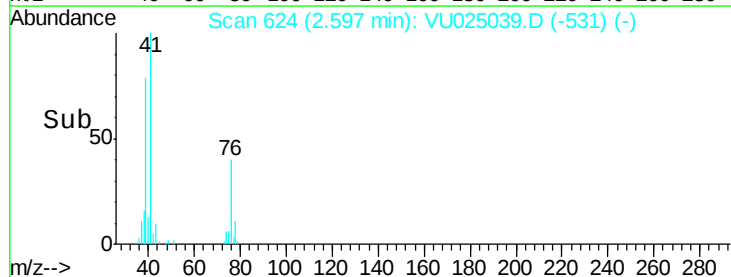
0

Time-->

2.55

2.60

2.65





#15

Acrylonitrile

Concen: 104.45 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

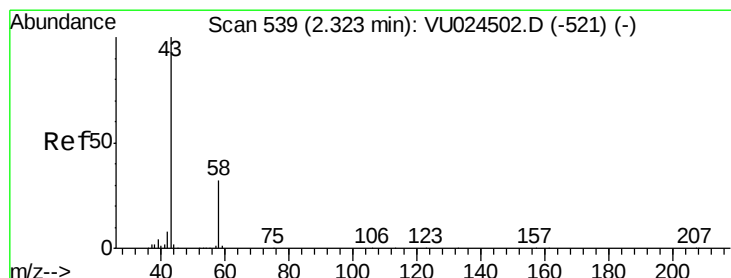
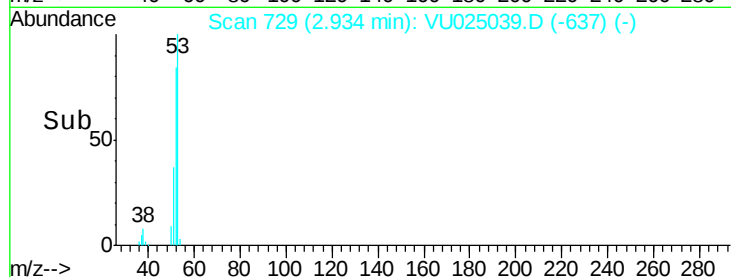
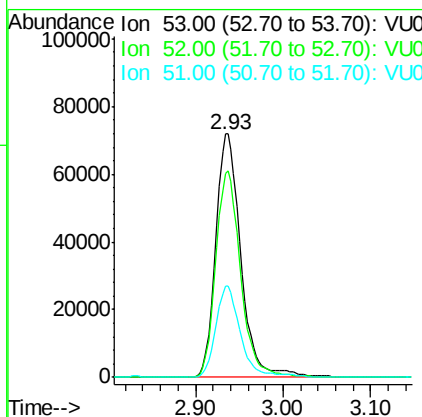
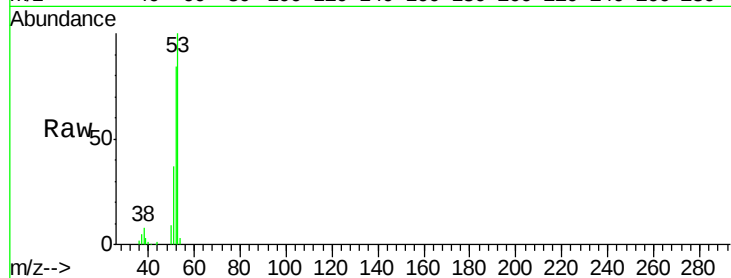
ClientSampleId :

VU0628MBS03

Tot Ion:	53	Resp:	143623
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.1	100.7
51	37.3	28.4	42.6

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#16

Acetone

Concen: 87.32 ug/l

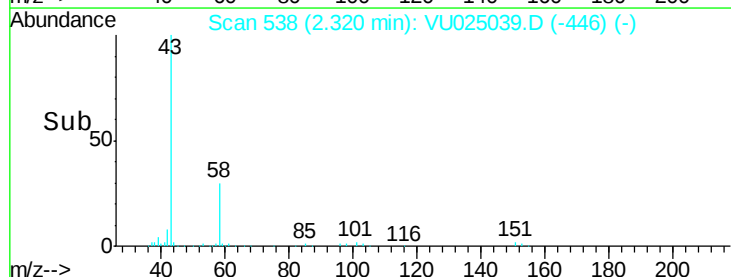
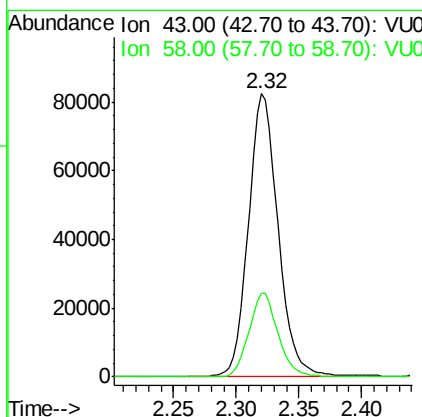
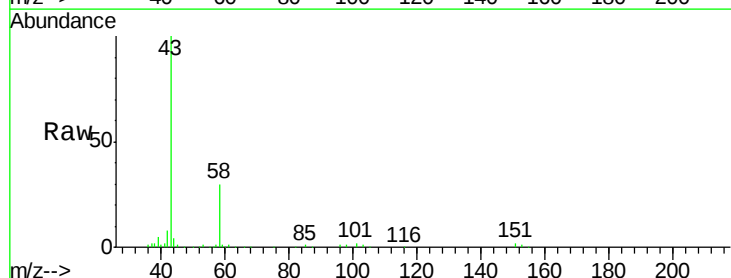
RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Tgt Ion:	43	Resp:	136344
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.4	36.6





#17

Carbon Disulfide

Concen: 17.59 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

Tot Ion: 76 Resp: 114159

Ion Ratio Lower Upper

76 100

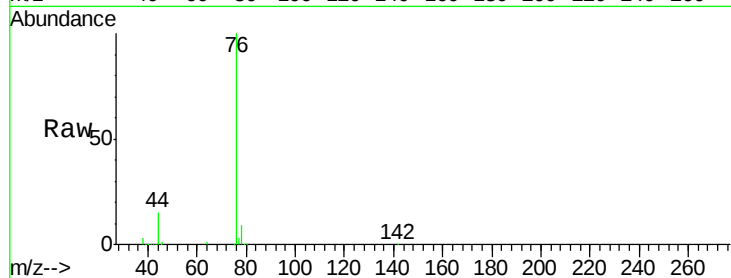
78 9.0 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

80000

60000

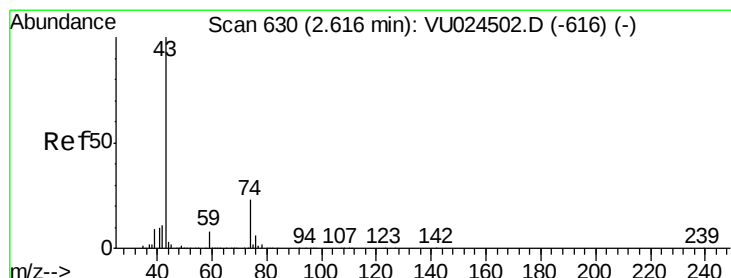
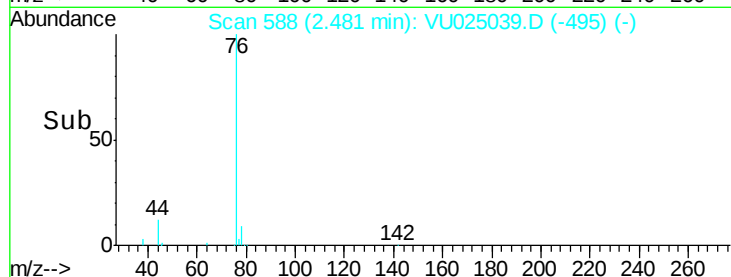
40000

20000

0

Time-->

2.40 2.45 2.50 2.55 2.60



#18

Methyl Acetate

Concen: 24.51 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025039.D

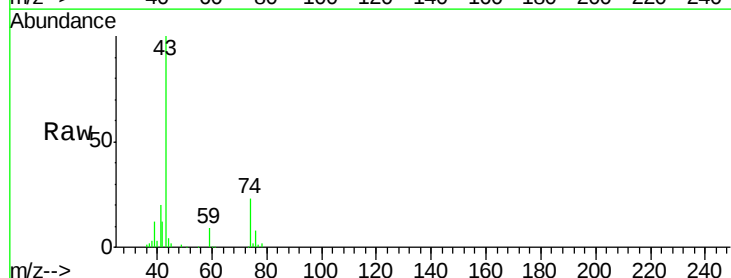
Acq: 28 Jun 2018 23:34

Tgt Ion: 43 Resp: 82029

Ion Ratio Lower Upper

43 100

74 23.6 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

50000

40000

30000

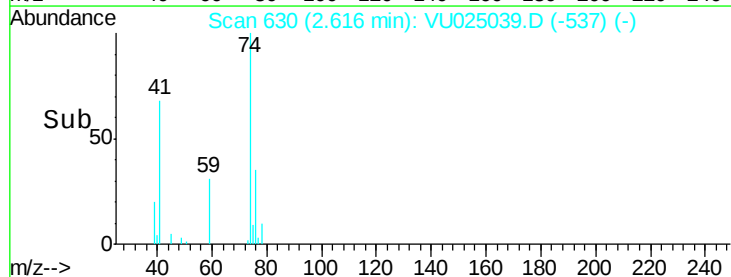
20000

10000

0

Time-->

2.55 2.60 2.65 2.70





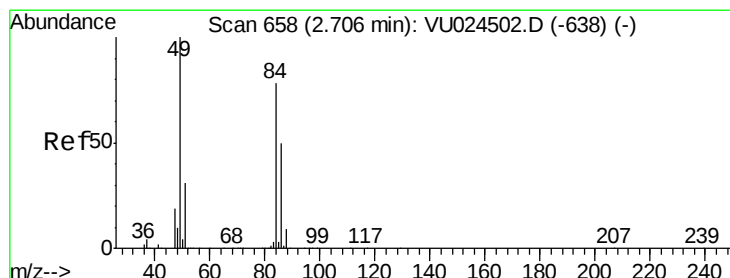
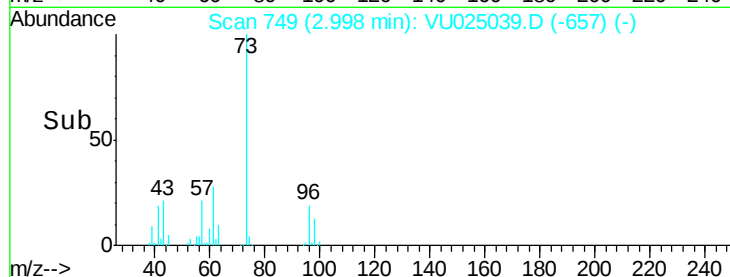
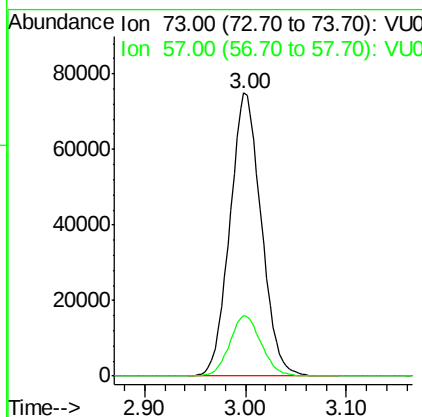
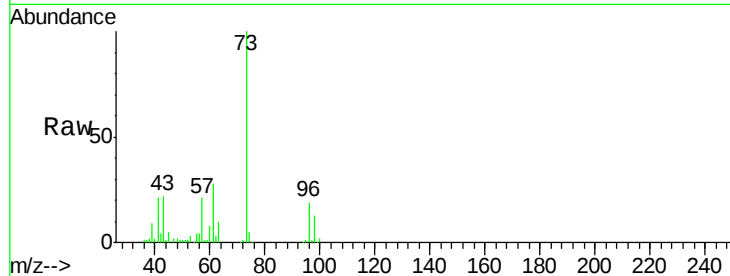
#19
Methvl tert-butvl Ether
Concen: 21.26 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.8	28.2

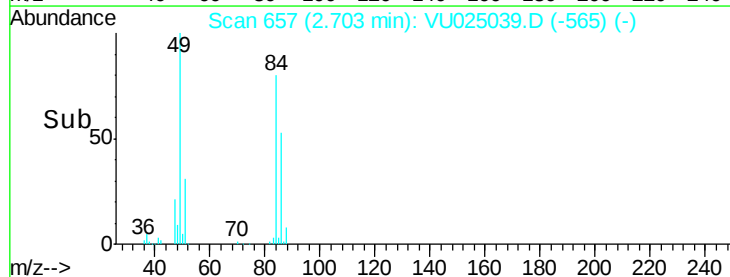
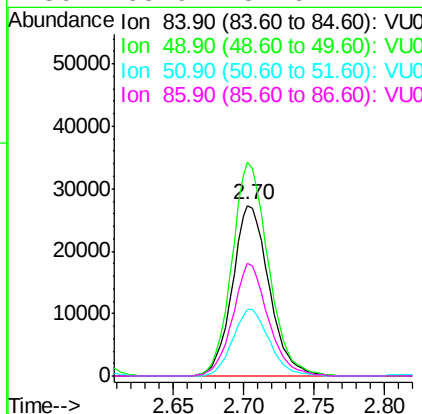
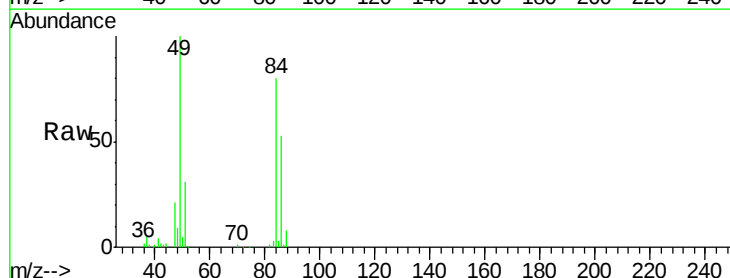
Manual Integrations
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#20
Methylene Chloride
Concen: 20.31 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.4	103.8	155.8
51	38.9	32.0	48.0
86	65.9	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 20.27 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

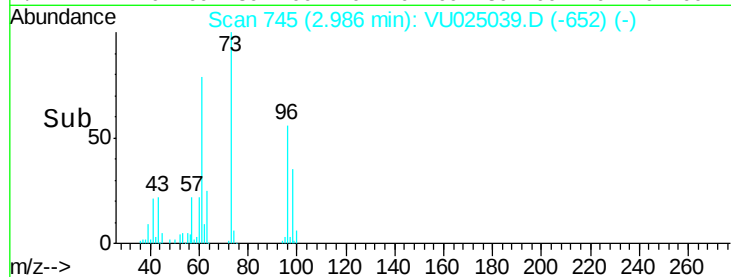
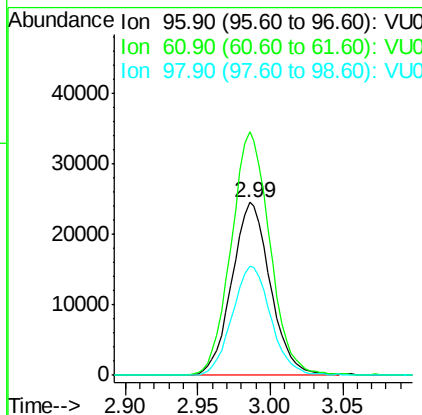
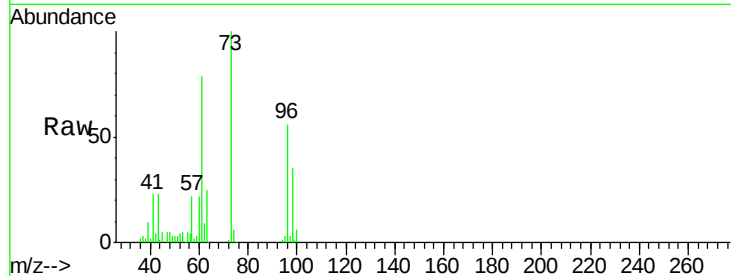
ClientSampleId :

VU0628MBS03

Tot Ion:	96	Resp:	45239
Ion	Ratio	Lower	Upper
96	100		
61	140.9	119.4	179.0
98	63.3	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.70 ug/l

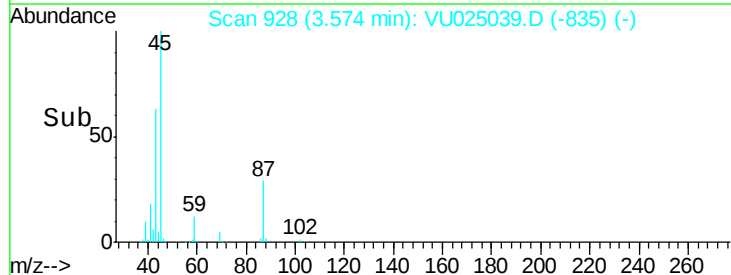
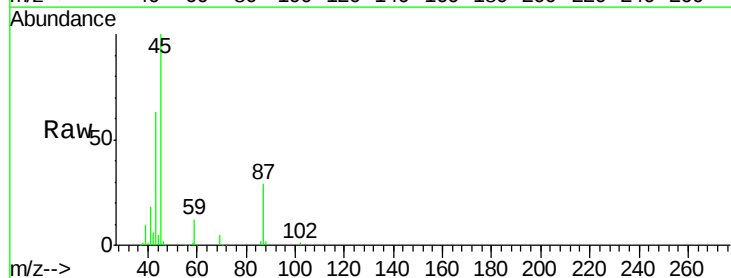
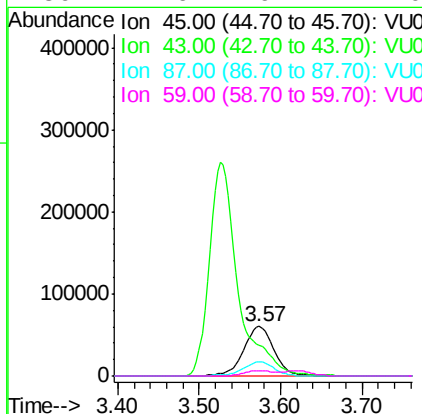
RT: 3.57 min Scan# 928

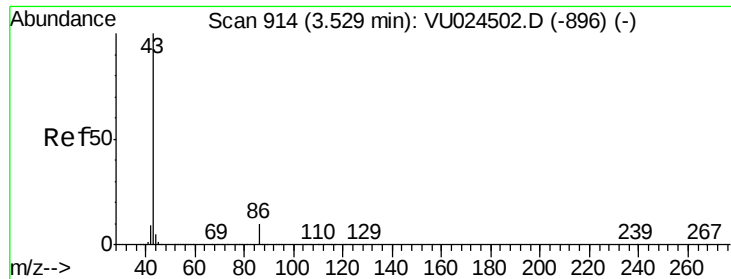
Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Tgt Ion:	45	Resp:	154454
Ion	Ratio	Lower	Upper
45	100		
43	61.4	45.8	68.6
87	29.3	20.6	31.0
59	11.6	9.4	14.0





#23

Vinyl Acetate

Concen: 96.70 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

Tot Ion: 43 Resp: 646193

Ion Ratio Lower Upper

43 100

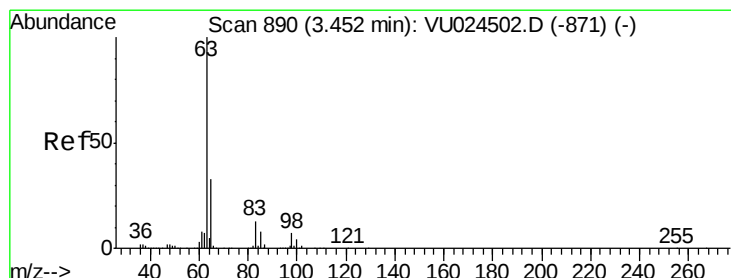
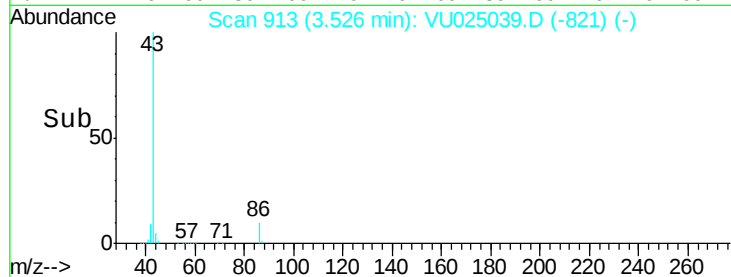
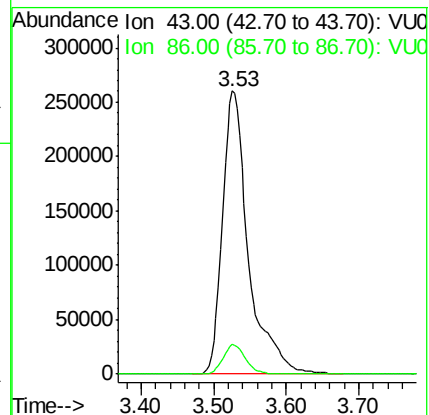
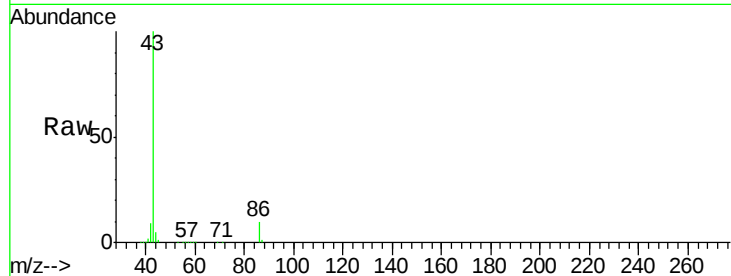
86 10.4 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.83 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

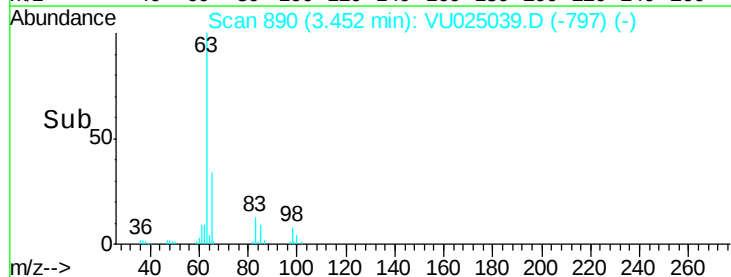
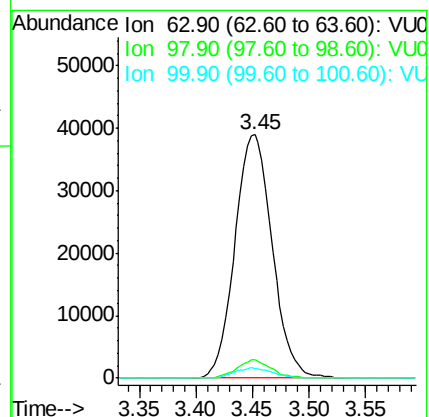
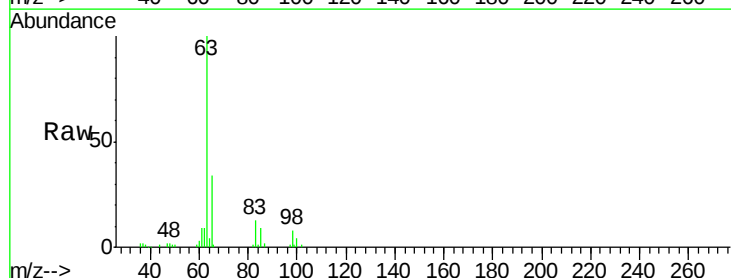
Tgt Ion: 63 Resp: 89376

Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.4

100 4.1 1.8 5.5





#25

2-Butanone

Concen: 100.49 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

Tot Ion: 43 Resp: 210754

Ion Ratio Lower Upper

43 100

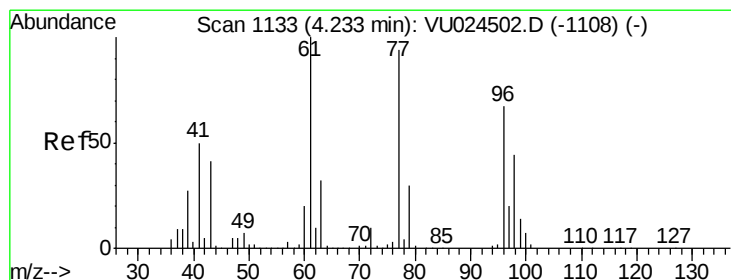
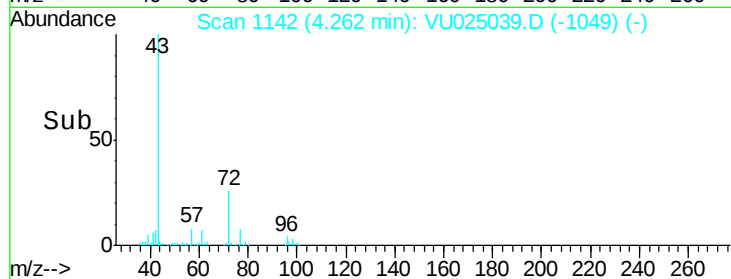
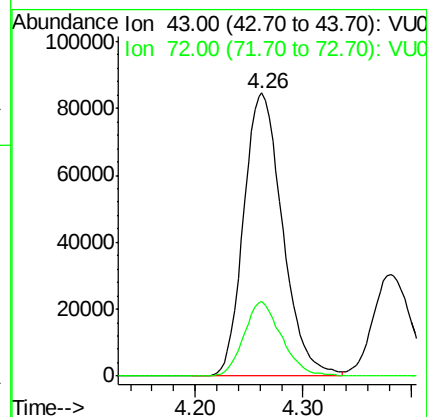
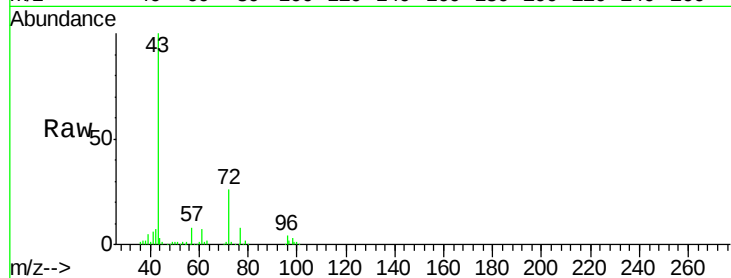
72 26.4 19.6 29.4

Manual Integrations

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6/29/2018 4:23:43 PM



#26

2,2-Dichloropropane

Concen: 15.89 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025039.D

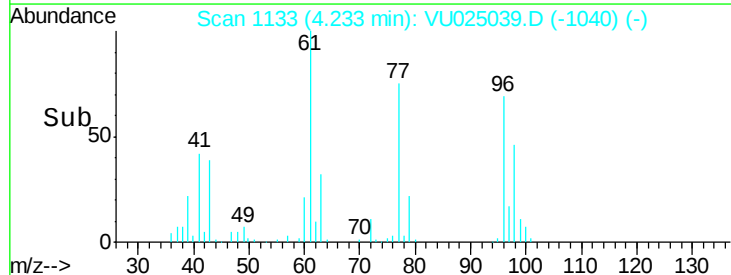
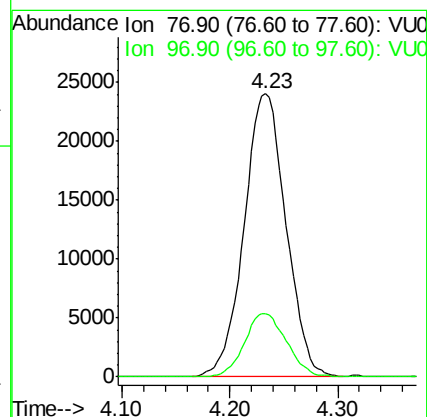
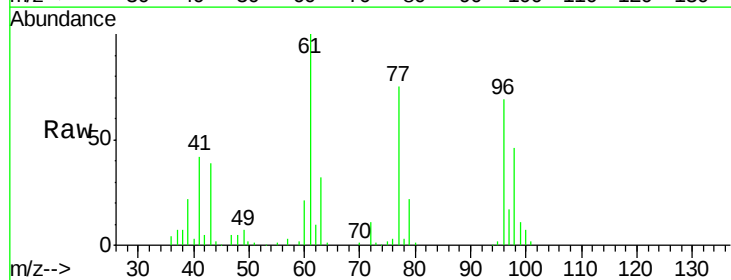
Acq: 28 Jun 2018 23:34

Tgt Ion: 77 Resp: 64754

Ion Ratio Lower Upper

77 100

97 22.4 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 21.19 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

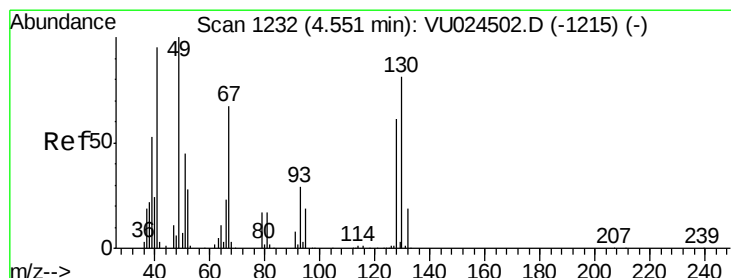
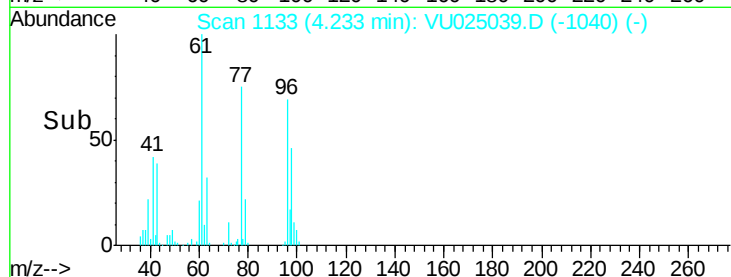
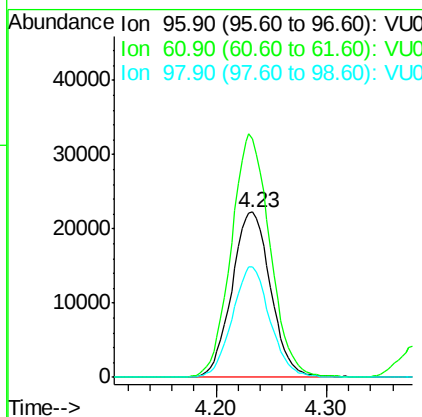
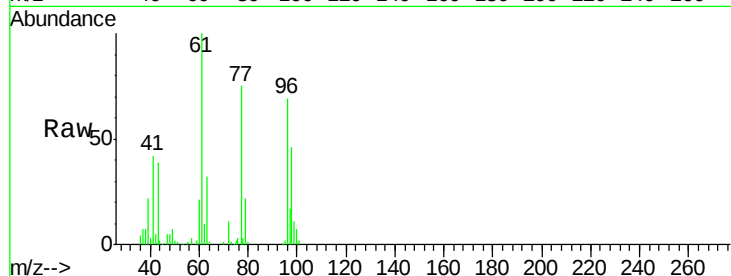
ClientSampleId :

VU0628MBS03

Tot Ion:	96	Resp:	54384
Ion	Ratio	Lower	Upper
96	100		
61	146.9	0.0	306.6
98	64.9	0.0	128.8

Manual Integrations
APPROVED

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#28

Bromochloromethane

Concen: 20.92 ug/l

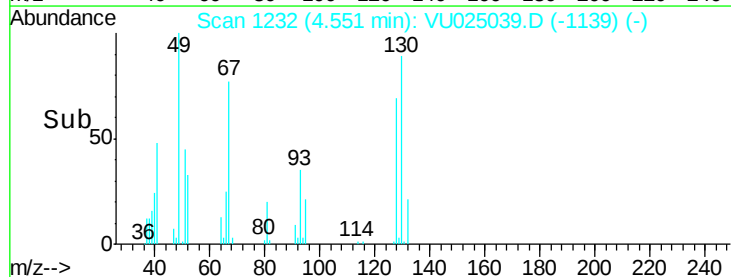
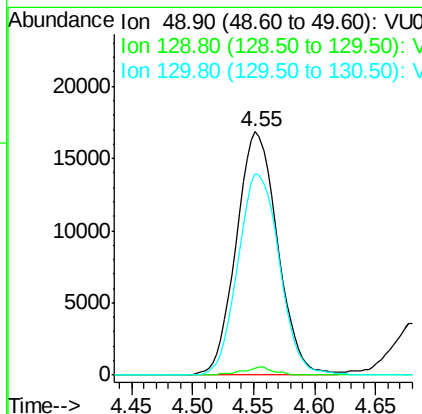
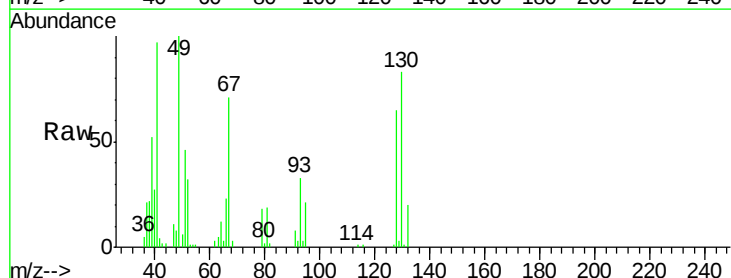
RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Tgt Ion:	49	Resp:	39541
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	3.8
130	83.0	57.8	86.6





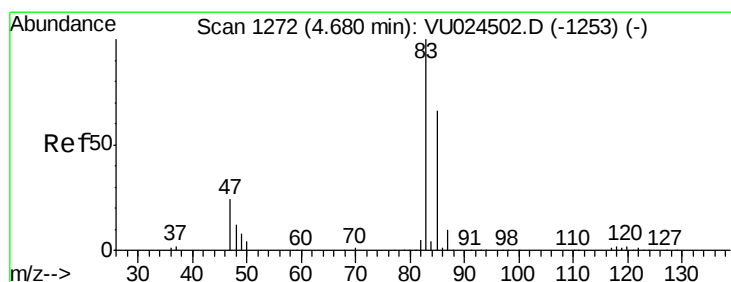
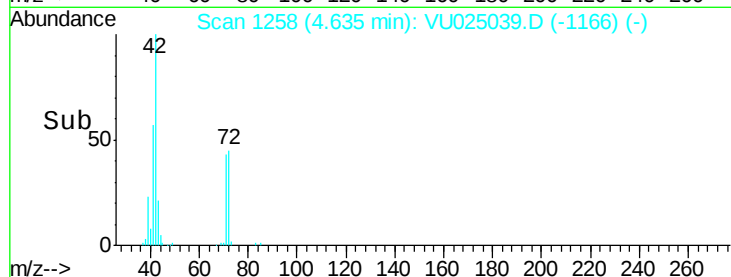
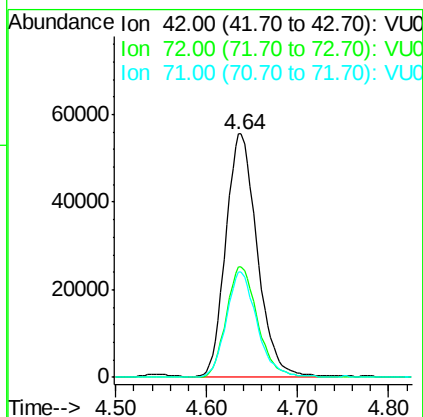
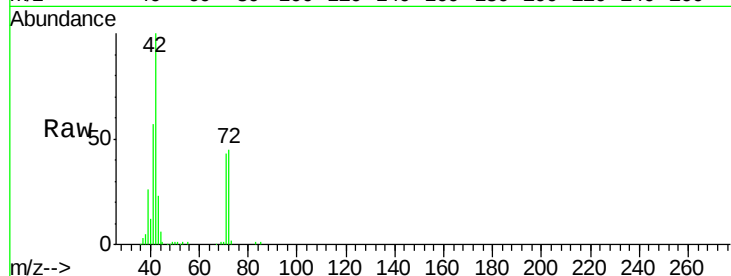
#29
Tetrahydrofuran
Concen: 102.36 ug/l
RT: 4.64 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	34.5	51.7
71	42.6	32.2	48.4

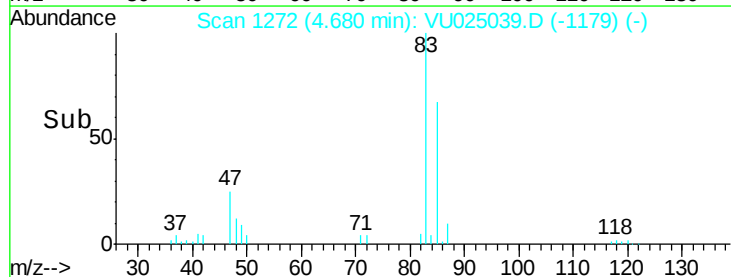
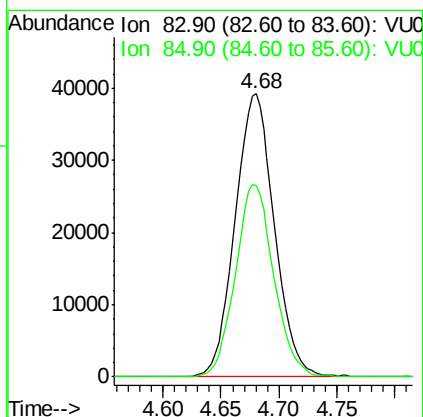
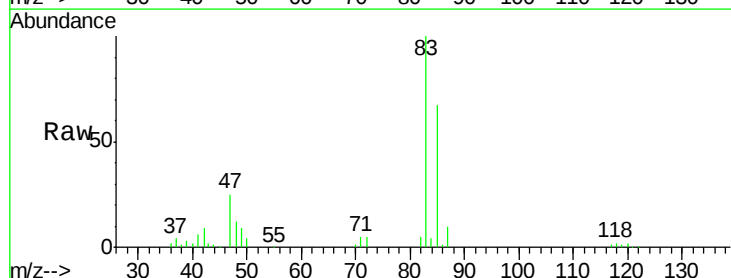
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#30
Chloroform
Concen: 21.20 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.4	78.6





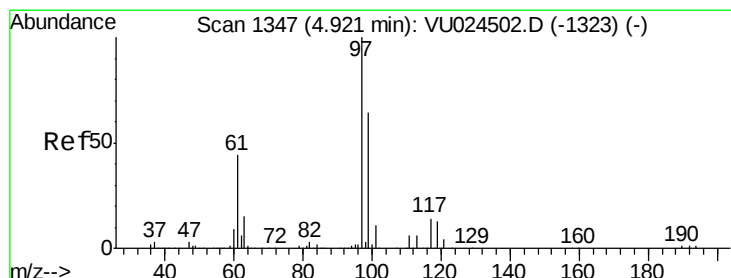
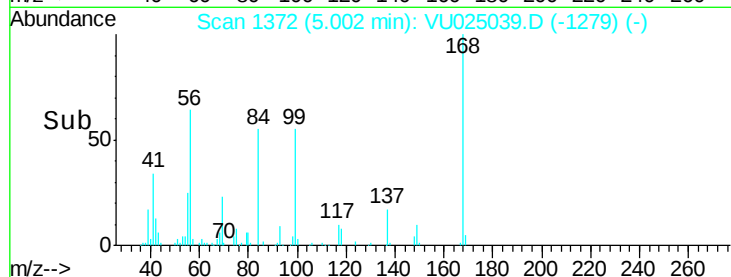
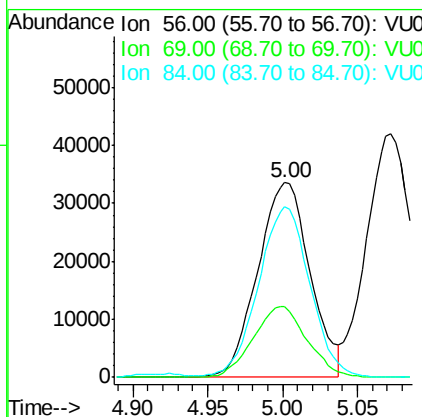
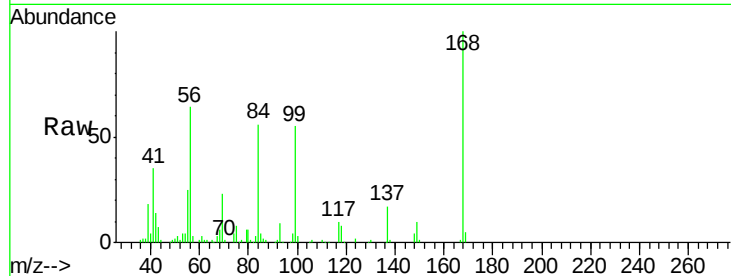
#31
Cyclohexane
Concen: 20.27 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	24.8	37.2
84	87.0	65.2	97.8

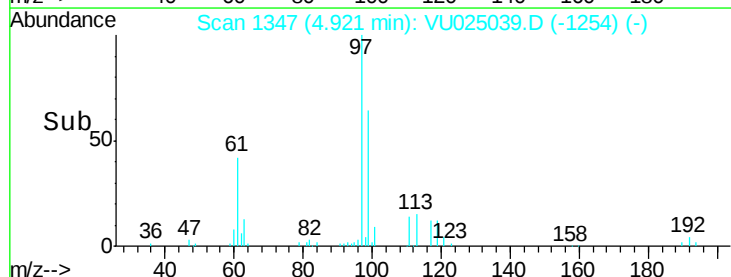
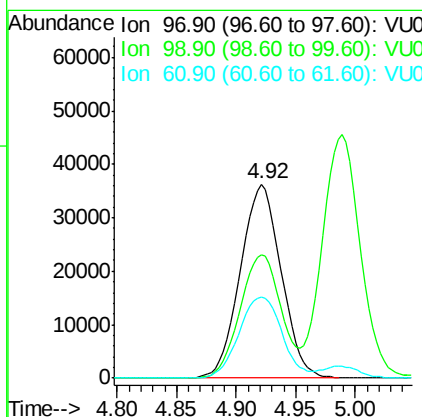
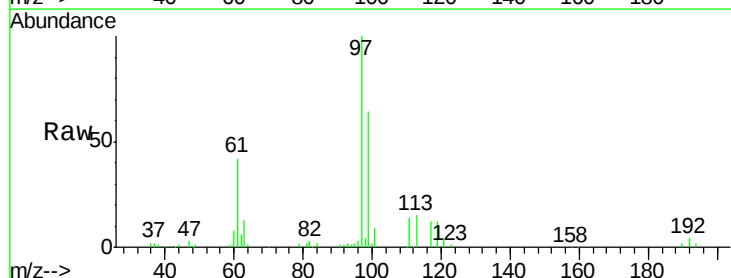
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#32
1,1,1-Trichloroethane
Concen: 21.44 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.6
61	44.1	39.4	59.0





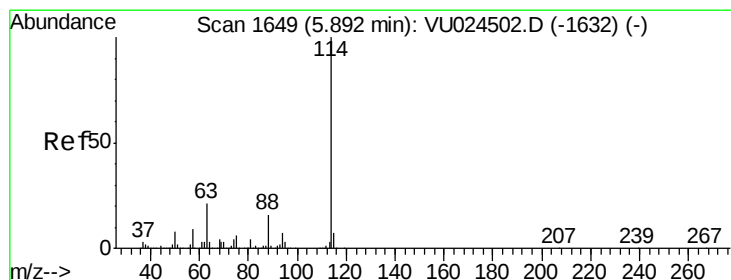
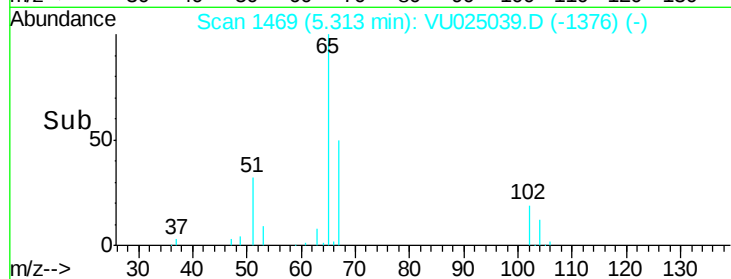
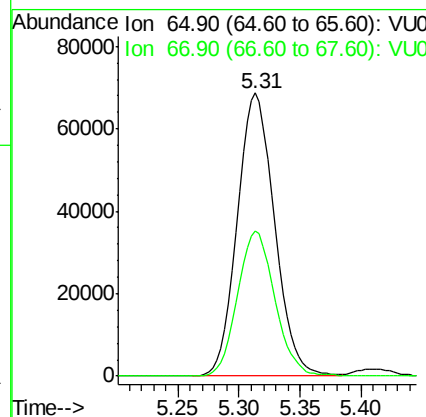
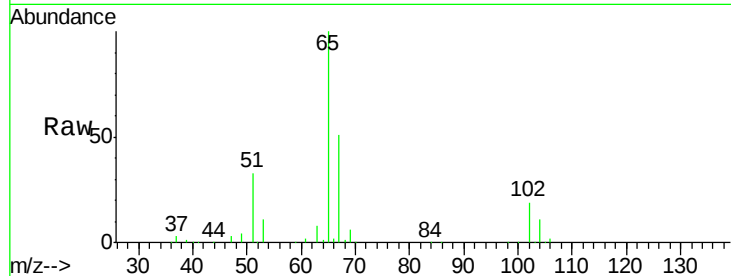
#33
 1,2-Dichloroethane-d4
 Concen: 50.16 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100	145748		
67	51.2	0.0	107.0	

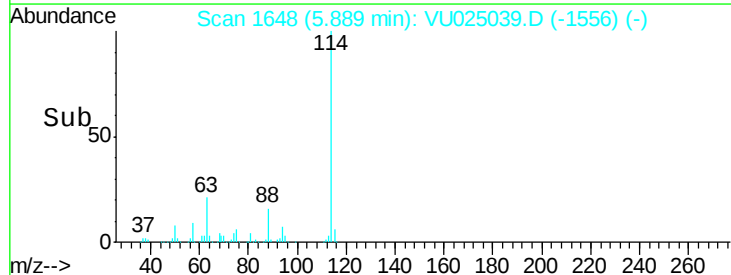
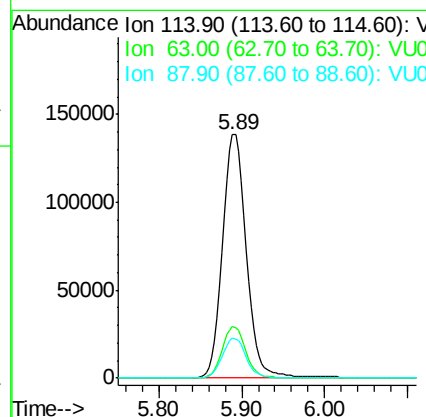
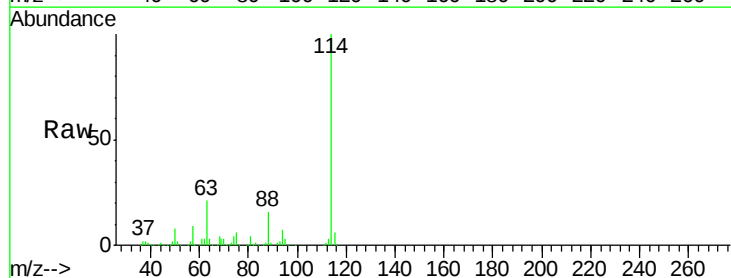
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	276189		
63	20.9	0.0	45.4	
88	16.2	0.0	31.0	





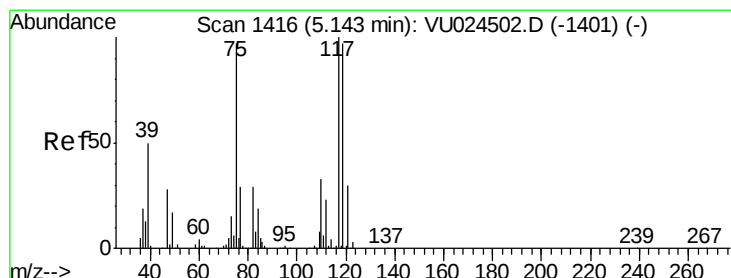
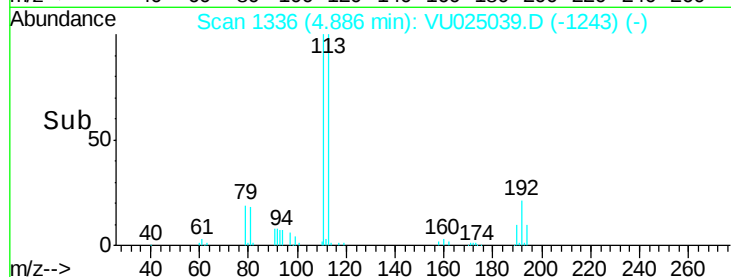
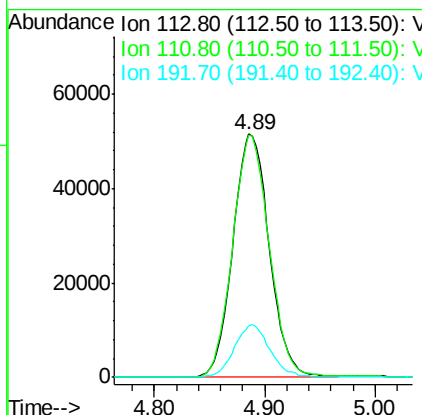
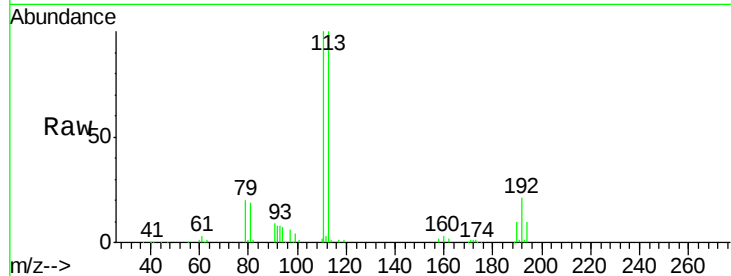
#35
 Dibromofluoromethane
 Concen: 51.34 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	117679		
111	100.1	82.2	123.4	
192	21.3	16.2	24.4	

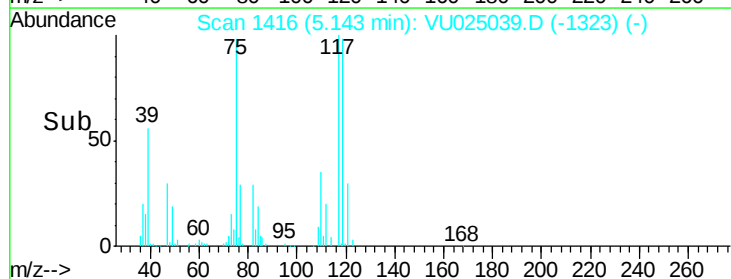
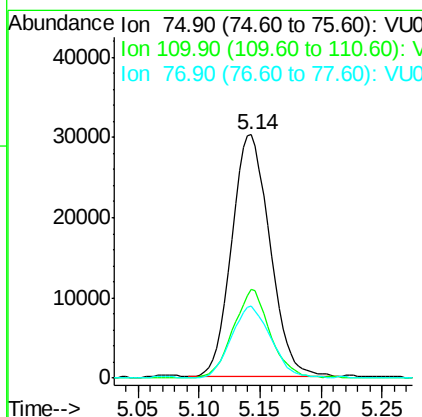
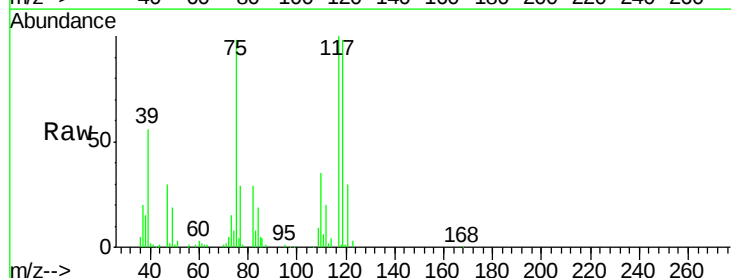
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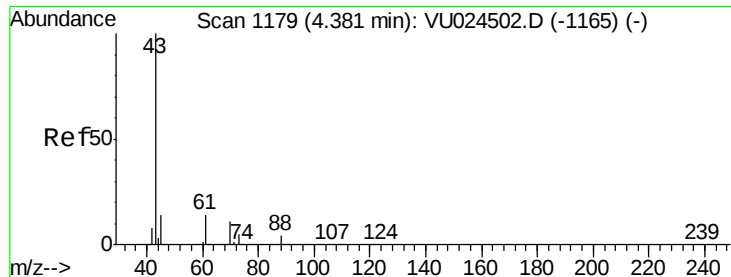
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#36
 1,1-Dichloropropene
 Concen: 20.25 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	65719		
110	35.2	17.0	50.9	
77	30.9	24.2	36.4	





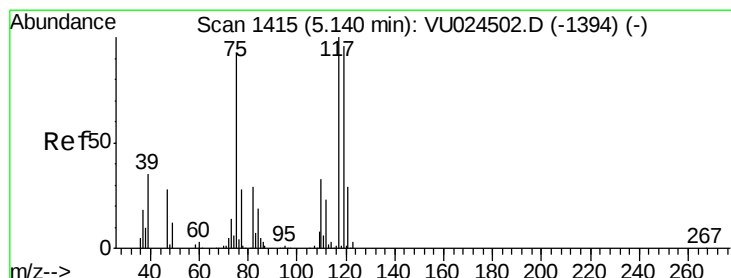
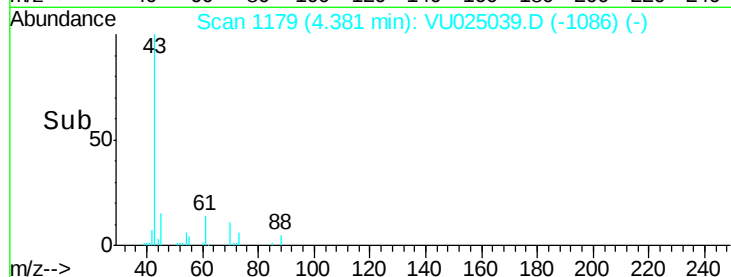
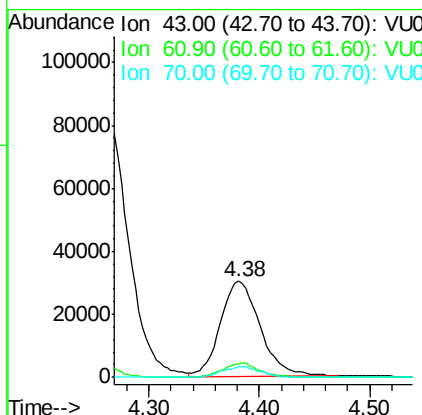
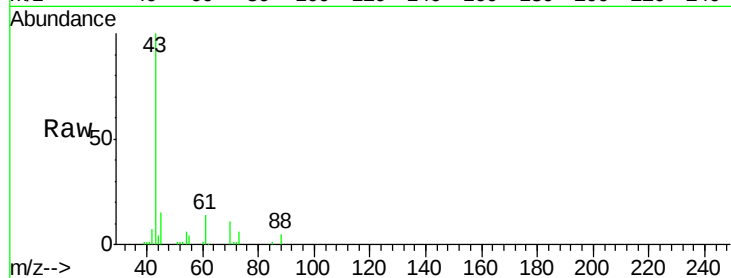
#37
Ethyl Acetate
Concen: 21.34 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.5	15.7
70	10.8	7.4	11.2

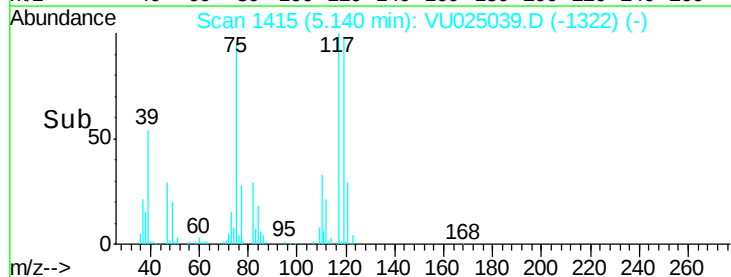
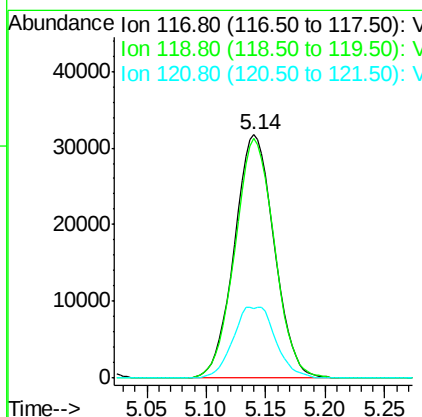
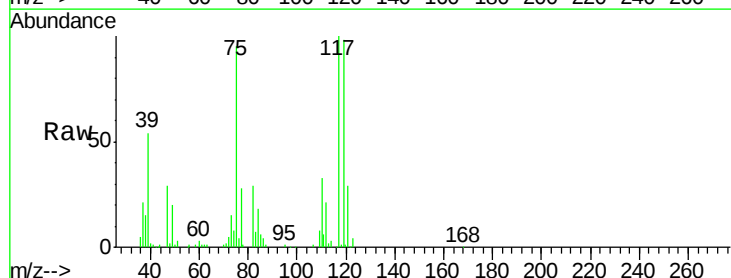
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#38
Carbon Tetrachloride
Concen: 20.60 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	76.1	114.1
121	28.8	23.7	35.5





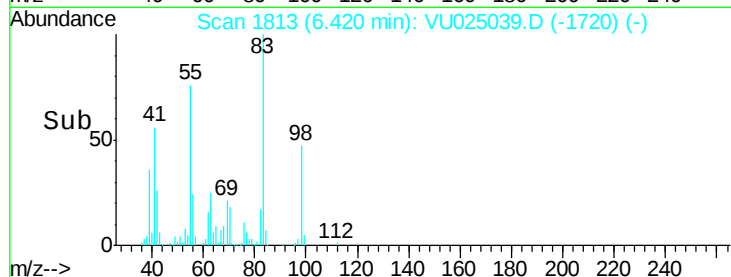
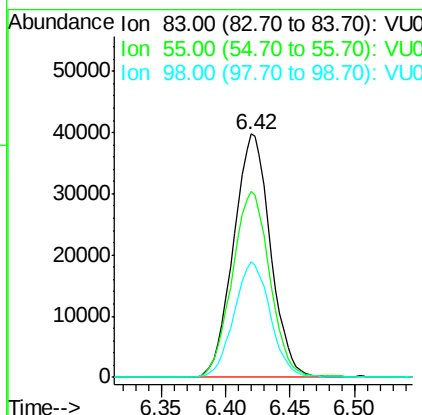
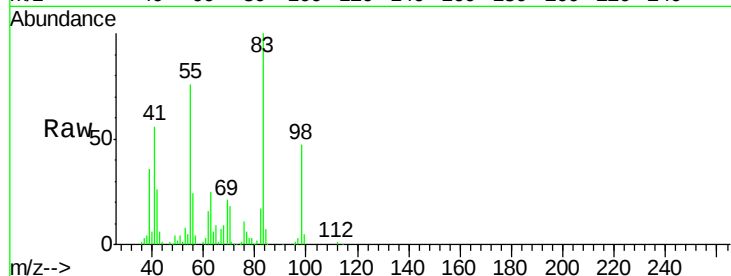
#39
Methvlcvclohexane
Concen: 19.54 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	65.8	98.6
98	47.3	36.7	55.1

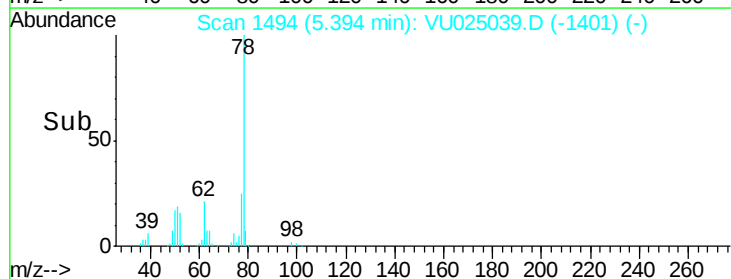
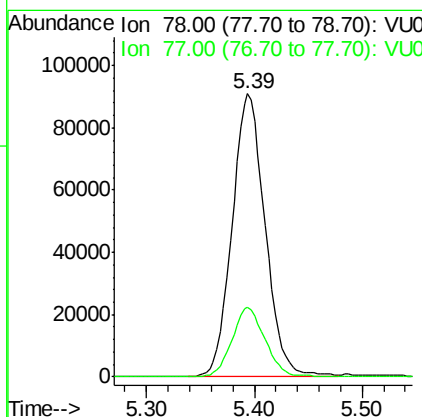
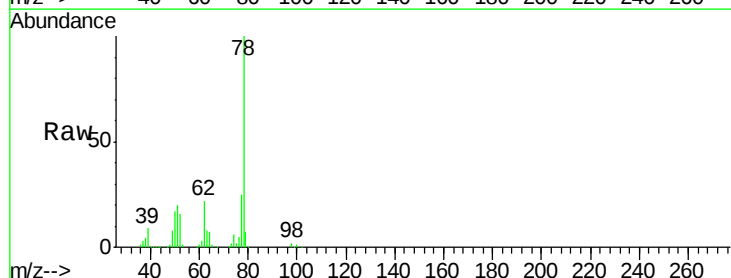
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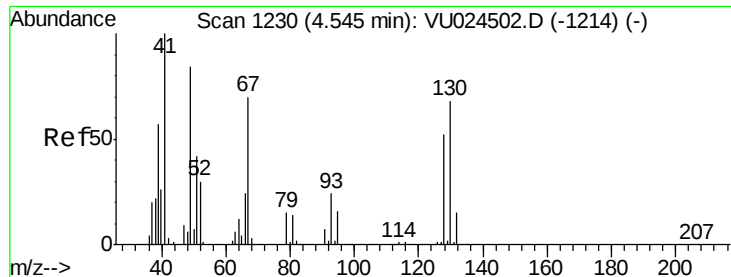
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#40
Benzene
Concen: 21.01 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.2	28.8





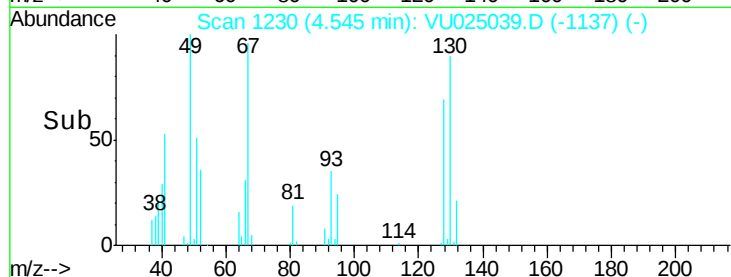
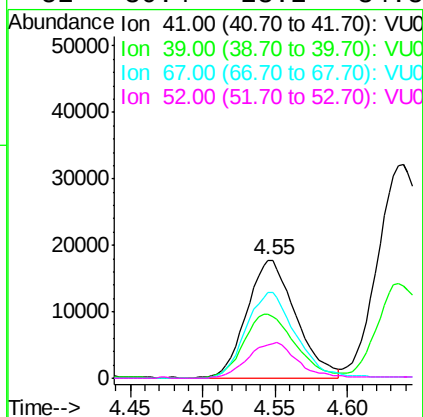
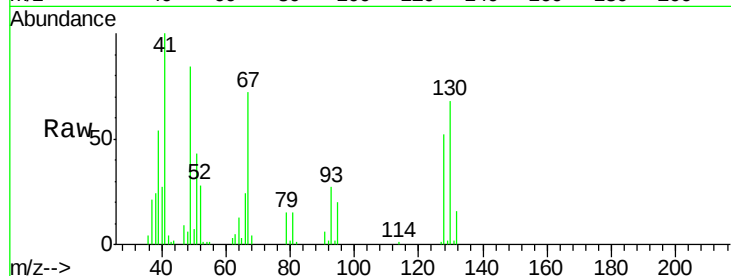
#41
Methacrylonitrile
Concen: 22.01 ug/l
RT: 4.55 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.1	43.8	65.6	
67	73.7	56.3	84.5	
52	30.4	23.2	34.8	

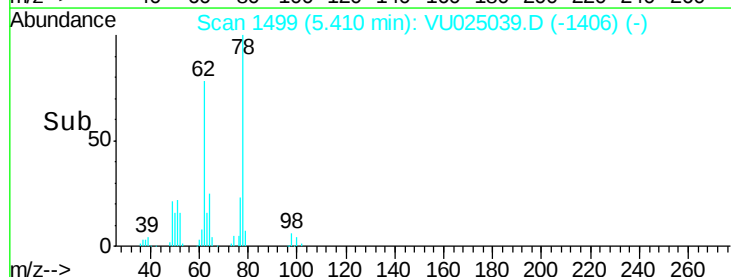
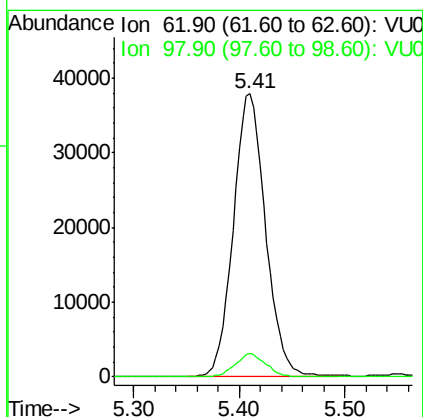
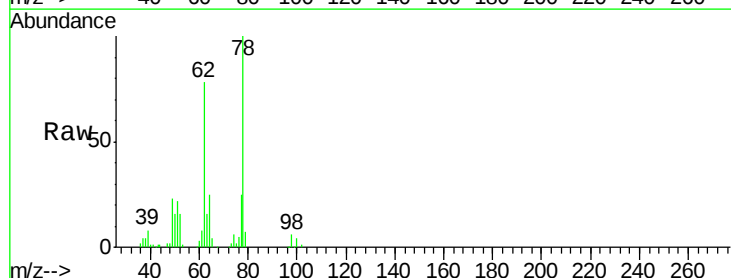
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#42
1,2-Dichloroethane
Concen: 22.83 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.8	0.0	16.6	





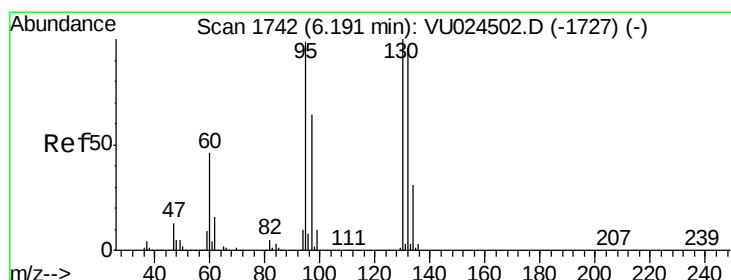
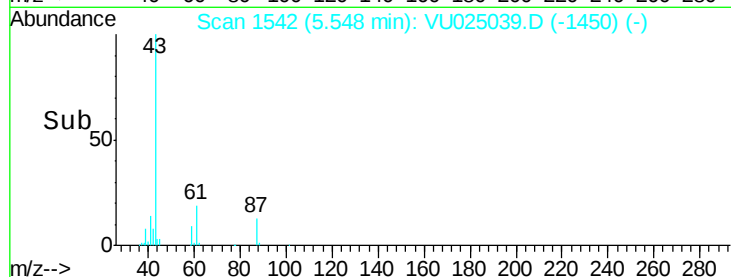
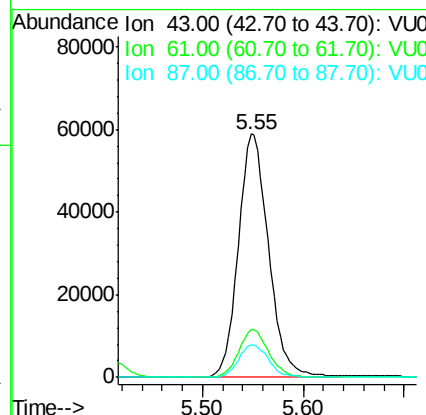
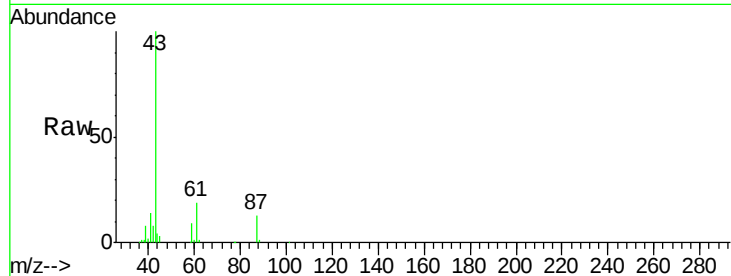
#43
Isopropyl Acetate
Concen: 20.08 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.4	23.0
87	13.3	10.0	15.0

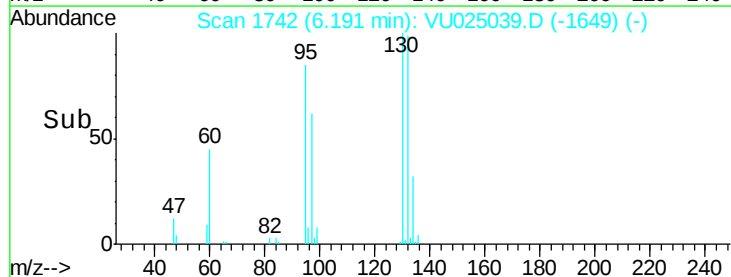
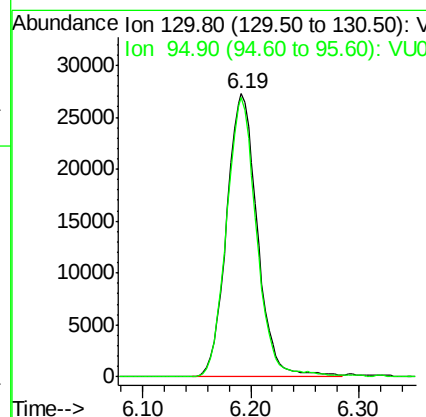
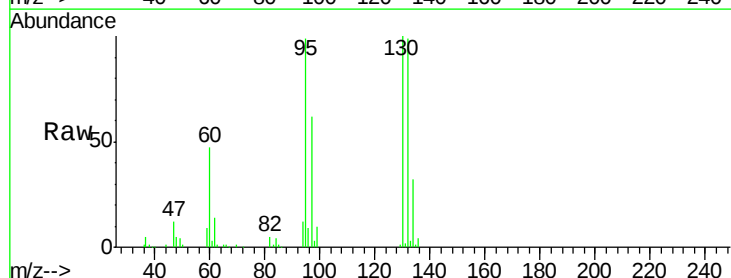
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#44
Trichloroethene
Concen: 20.57 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	202.4





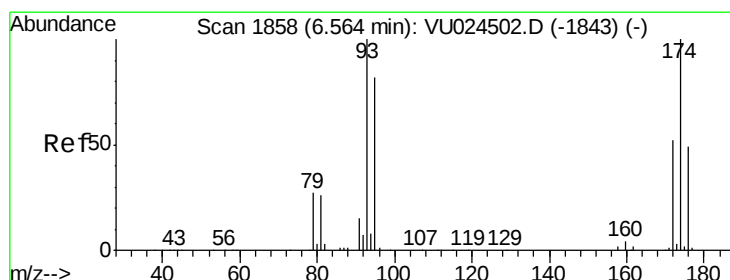
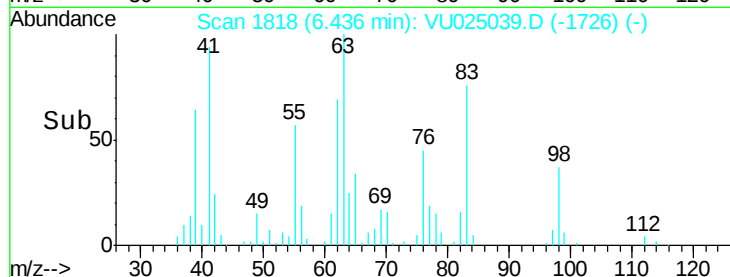
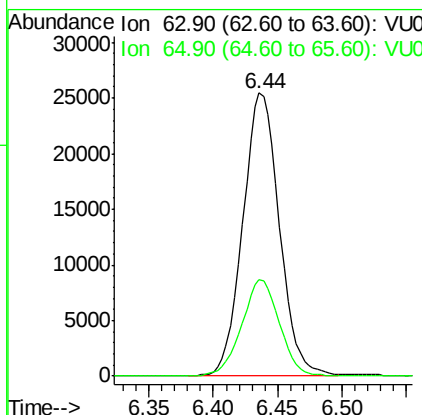
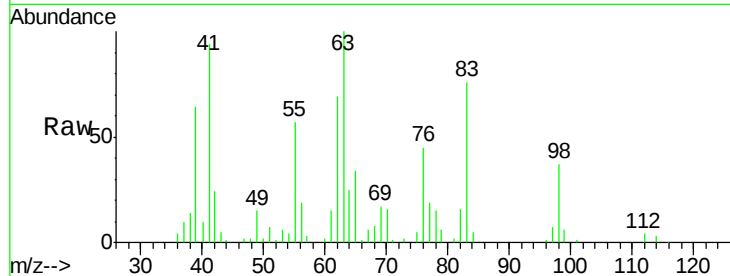
#45
 1,2-Dichloropropane
 Concen: 20.40 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_U
 ClientSampled :
 VU0628MBS03

Tot Ion: 63 Resp: 50329
 Ion Ratio Lower Upper
 63 100
 65 34.0 24.8 37.2

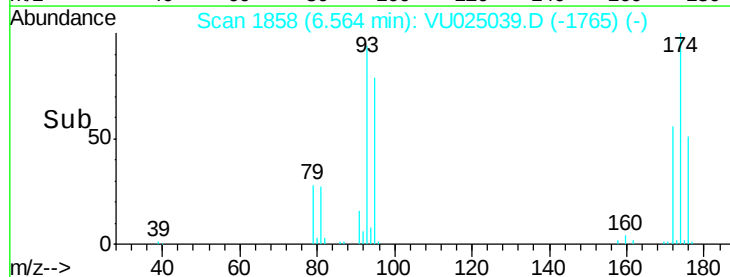
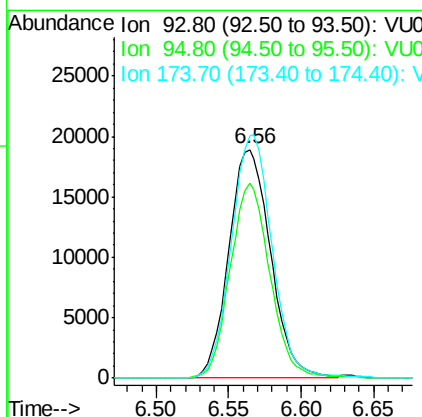
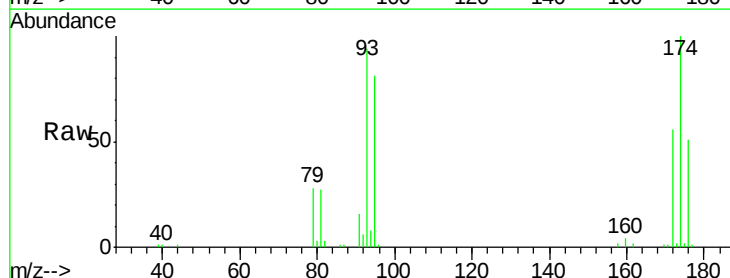
Manual Integrations
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 6/29/2018 4:23:43 PM



#46
 Dibromomethane
 Concen: 21.86 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Tgt Ion: 93 Resp: 37892
 Ion Ratio Lower Upper
 93 100
 95 80.7 65.5 98.3
 174 103.4 78.7 118.1





#47

Bromodichloromethane

Concen: 19.96 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

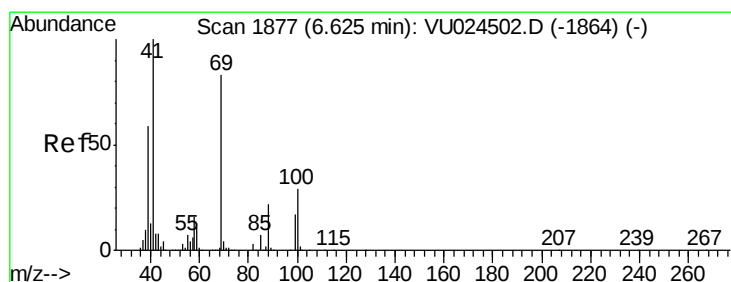
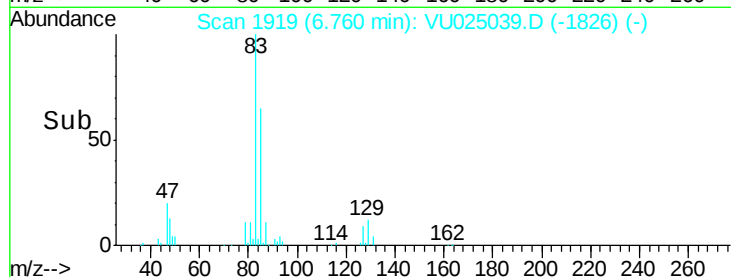
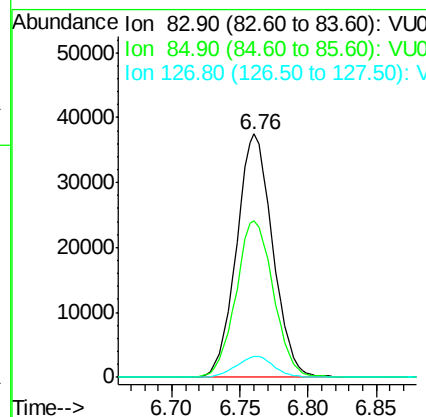
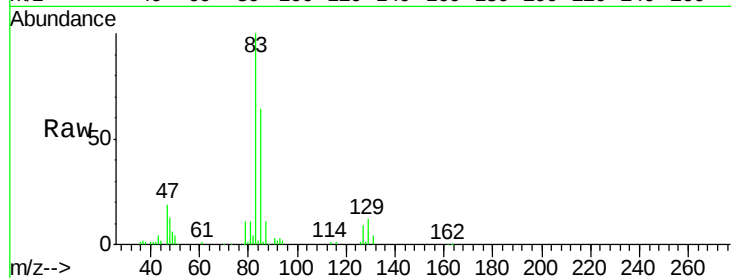
ClientSampleId :

VU0628MBS03

Tot Ion:	83	Resp:	68883
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.9	77.9
127	8.7	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.47 ug/l

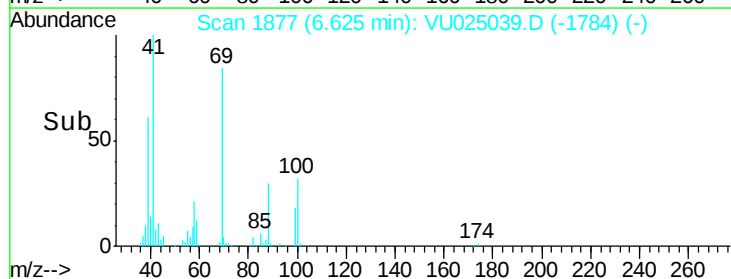
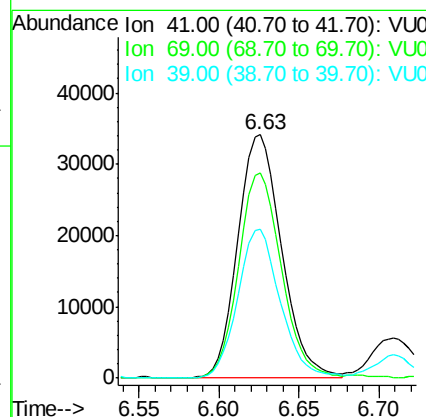
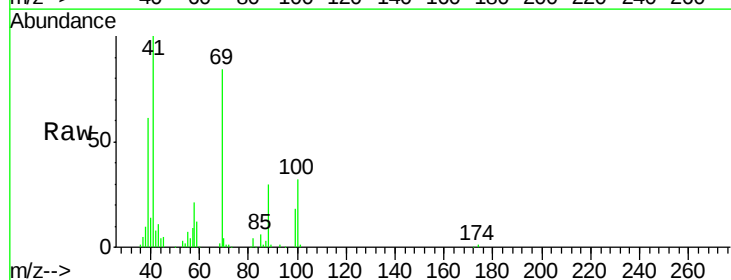
RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Tgt Ion:	41	Resp:	63934
Ion	Ratio	Lower	Upper
41	100		
69	82.0	67.3	100.9
39	59.4	46.5	69.7





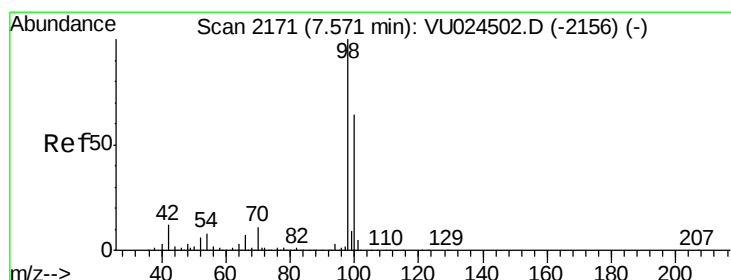
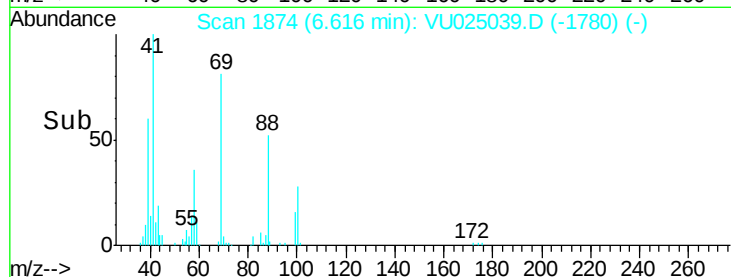
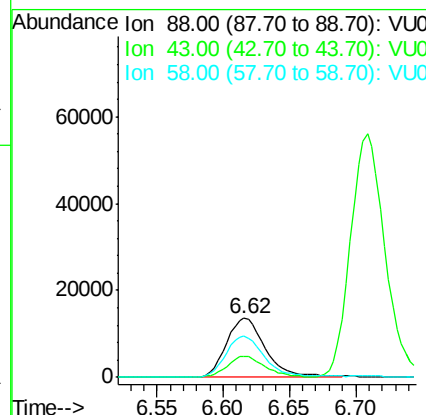
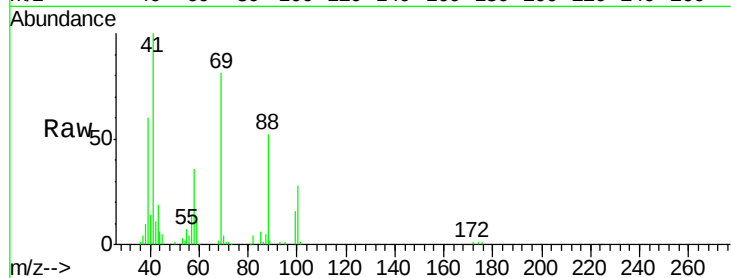
#49
1,4-Dioxane
Concen: 479.38 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	28.6	42.8
58	68.3	58.2	87.4

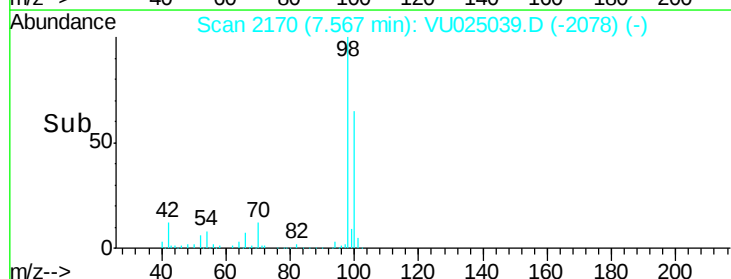
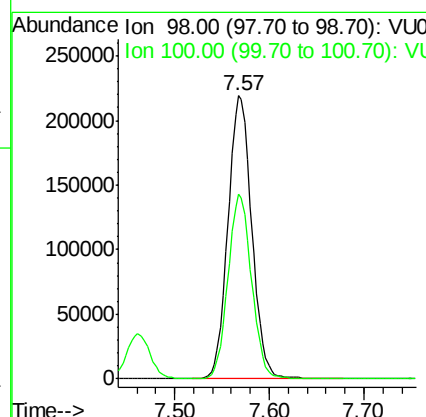
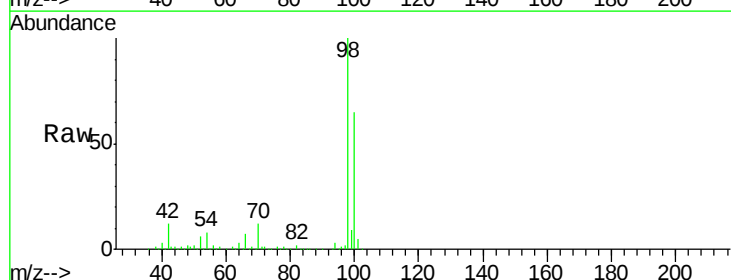
Manual Integrations
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#50
Toluene-d8
Concen: 45.99 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 104.01 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

Tot Ion: 43 Resp: 399549

Ion Ratio Lower Upper

43 100

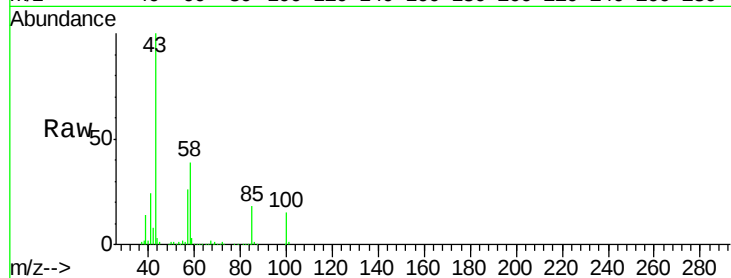
58 38.8 30.0 45.0

Manual Integrations

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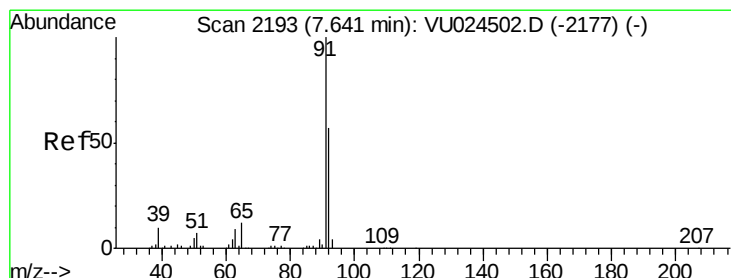
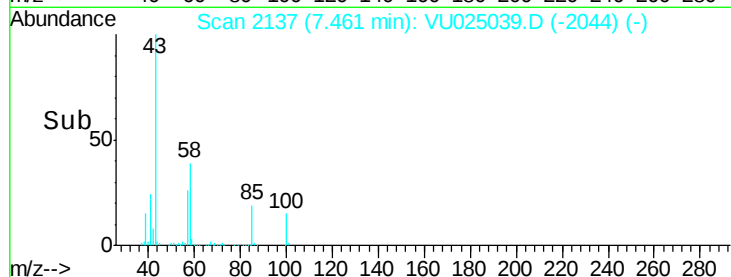
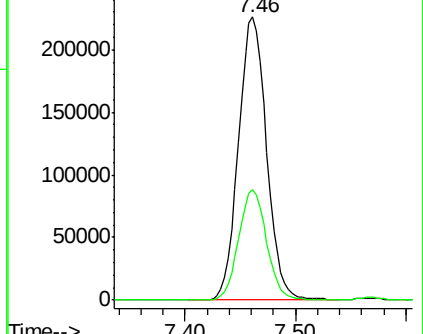
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 21.13 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025039.D

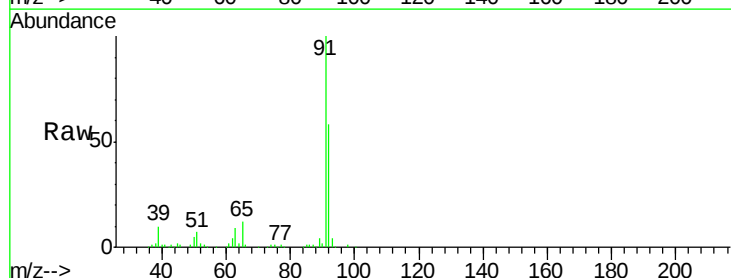
Acq: 28 Jun 2018 23:34

Tgt Ion: 92 Resp: 125699

Ion Ratio Lower Upper

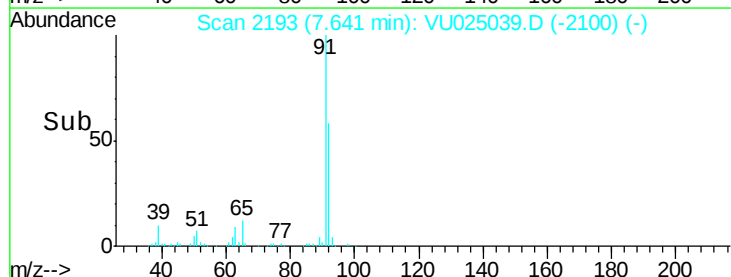
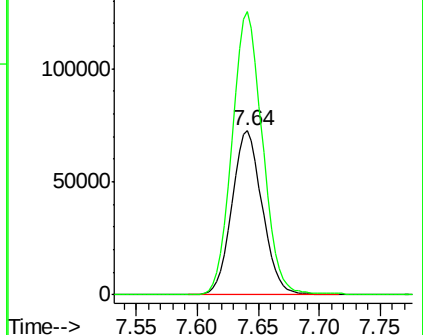
92 100

91 173.2 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 18.96 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

Tot Ion: 75 Resp: 73494

Ion Ratio Lower Upper

75 100

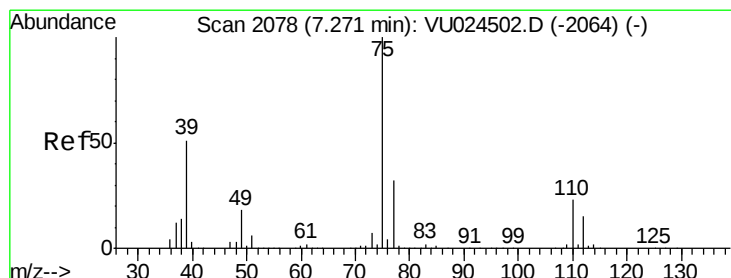
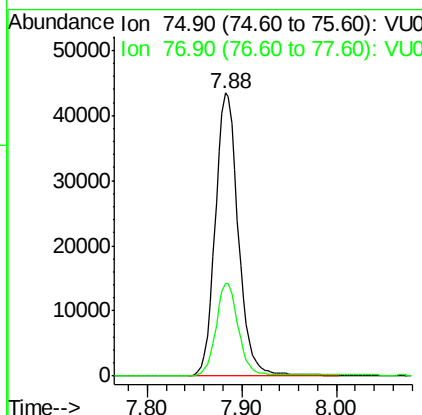
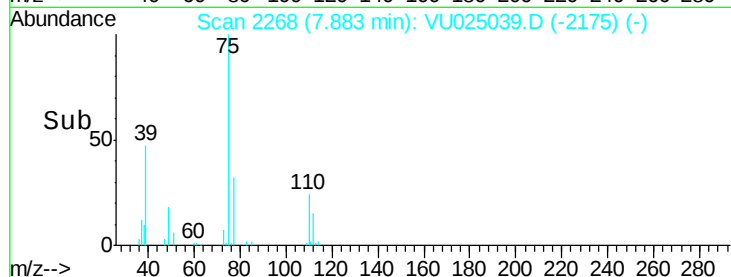
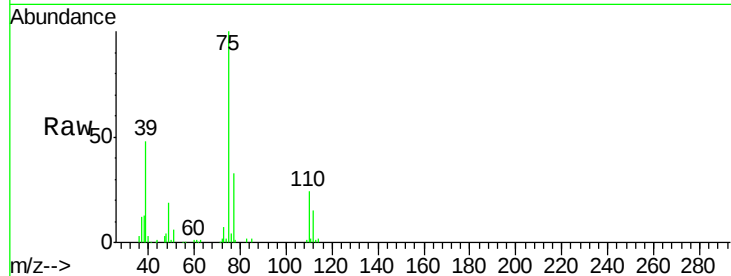
77 32.8 24.8 37.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.66 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

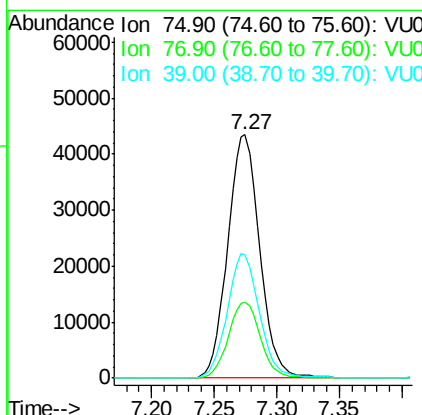
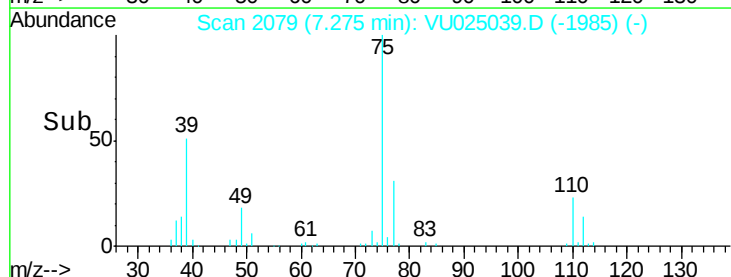
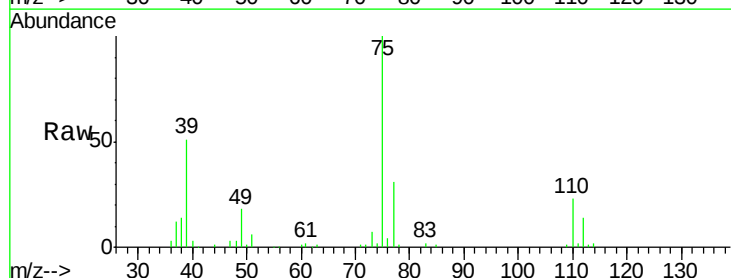
Tgt Ion: 75 Resp: 77080

Ion Ratio Lower Upper

75 100

77 31.3 24.6 36.8

39 50.7 39.8 59.6





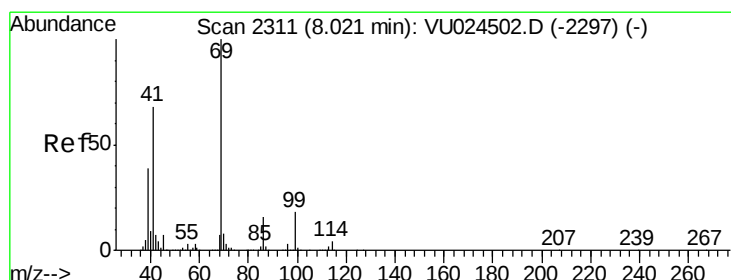
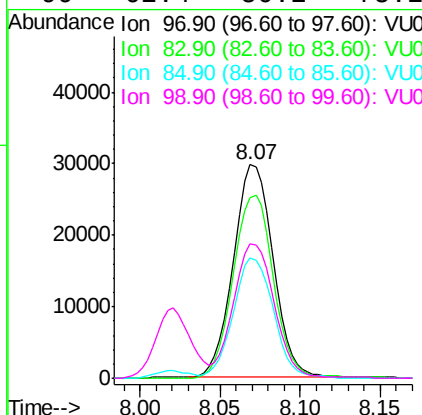
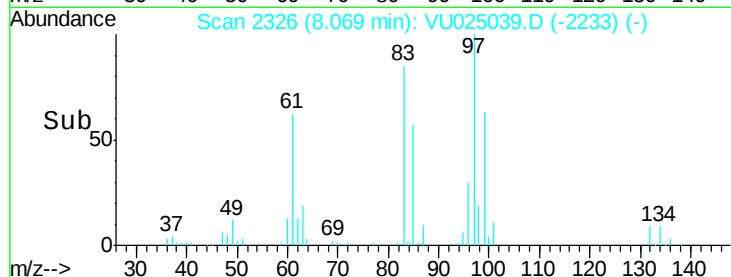
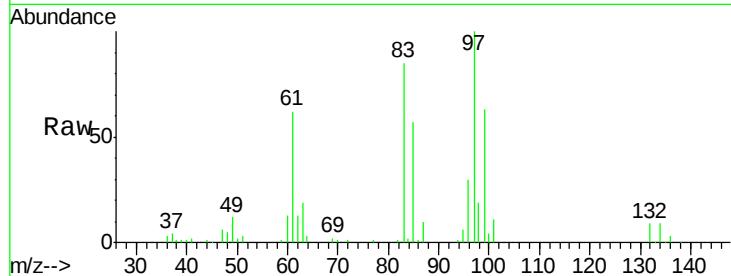
#55
 1,1,2-Trichloroethane
 Concen: 20.82 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		50348		
83	85.0	70.5	105.7		
85	56.9	46.4	69.6		
99	62.4	50.2	75.2		

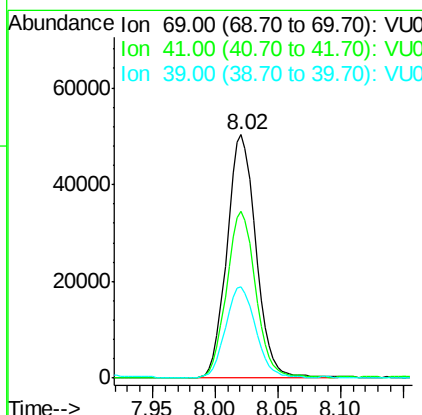
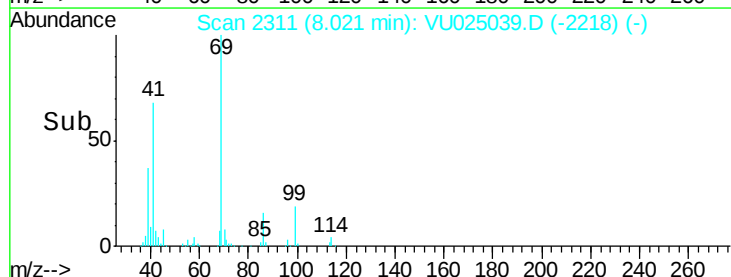
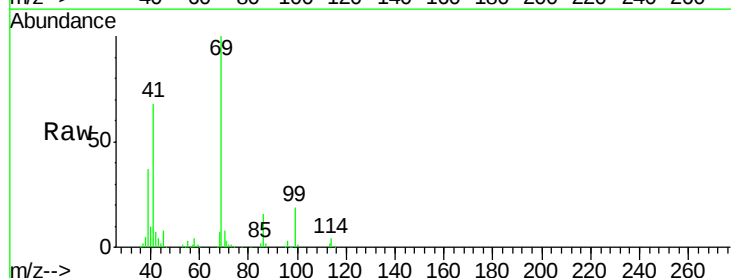
Manual Integrations
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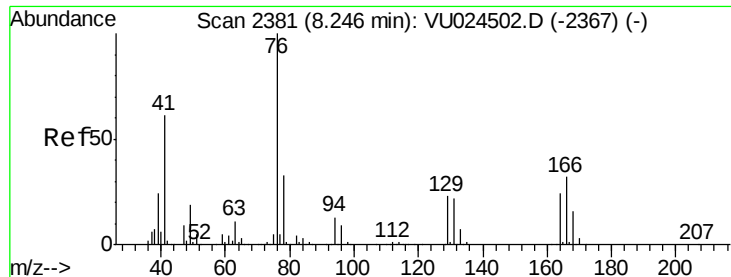
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 20.09 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		81310		
41	68.8	54.1	81.1		
39	38.1	30.3	45.5		





#57

1,3-Dichloropropane

Concen: 21.33 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

Tot Ion: 76 Resp: 87039

Ion Ratio Lower Upper

76 100

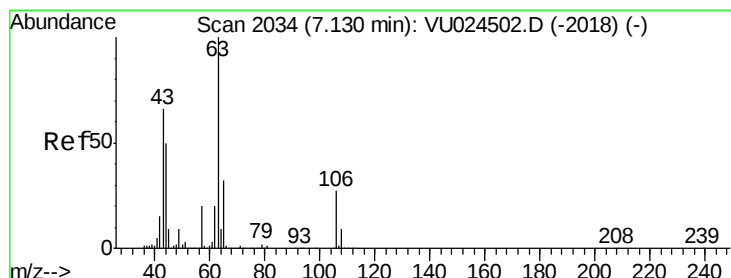
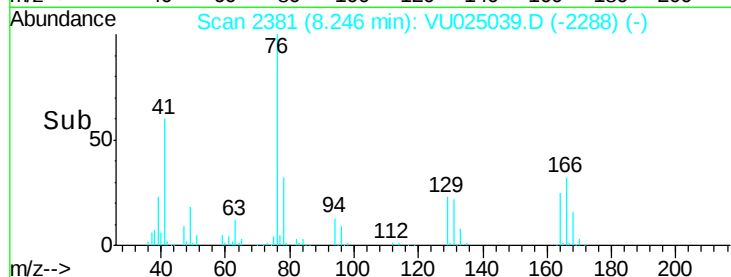
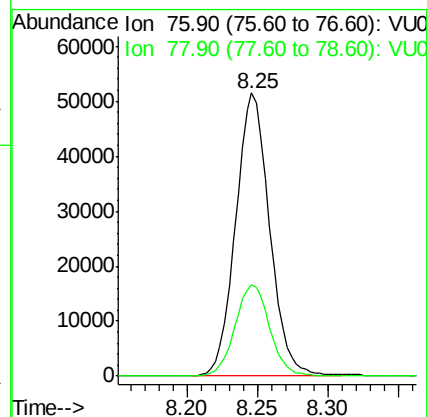
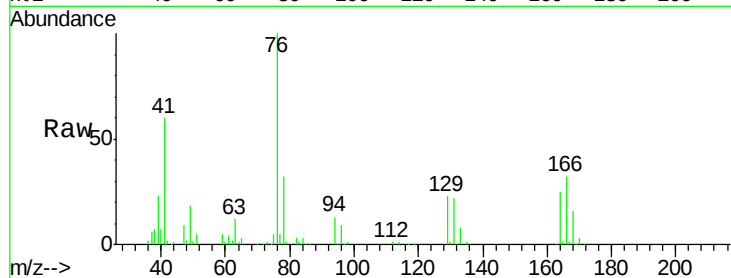
78 32.8 25.2 37.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 21.50 ug/l

RT: 7.13 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU025039.D

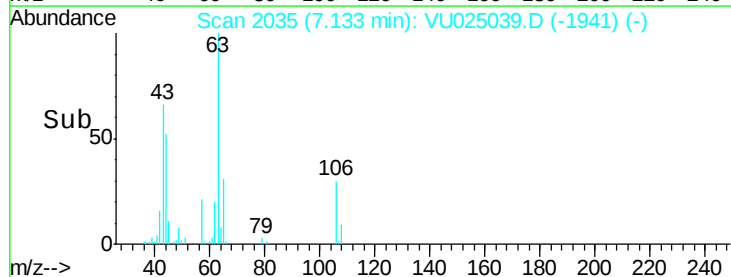
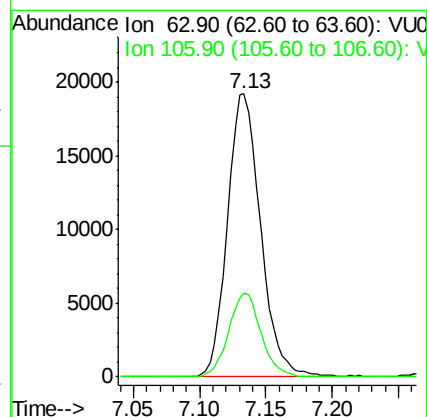
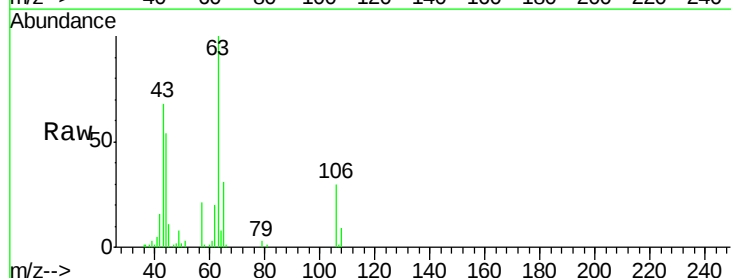
Acq: 28 Jun 2018 23:34

Tgt Ion: 63 Resp: 33340

Ion Ratio Lower Upper

63 100

106 28.7 20.2 30.2





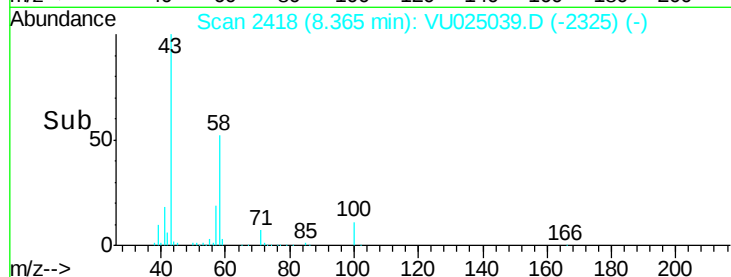
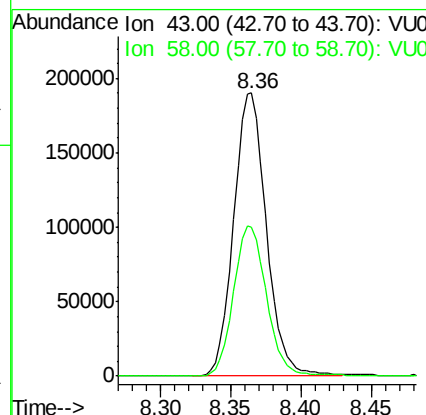
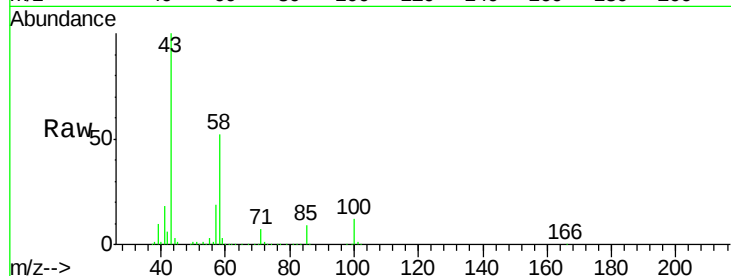
#59
2-Hexanone
Concen: 98.61 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	26.4	79.0

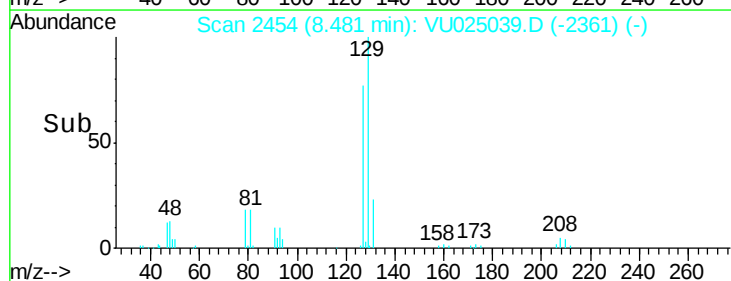
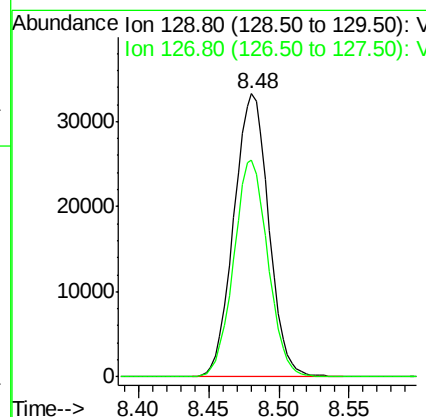
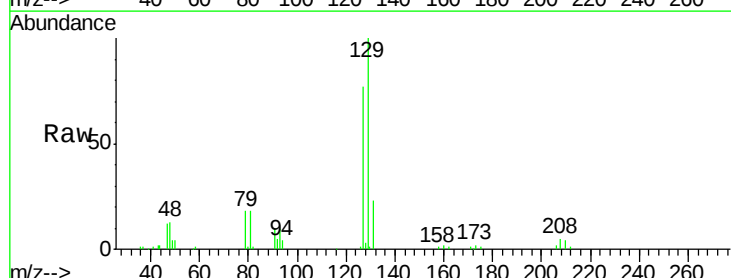
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#60
Dibromochloromethane
Concen: 19.11 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.0	38.6	116.0





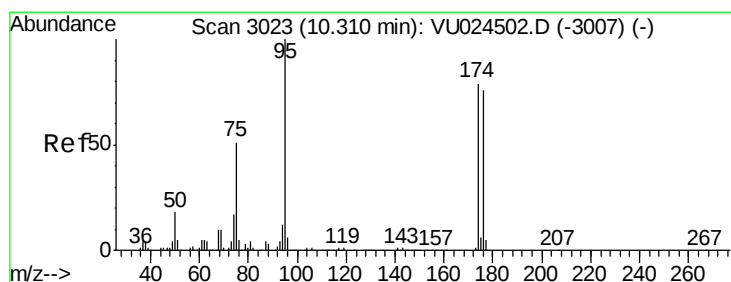
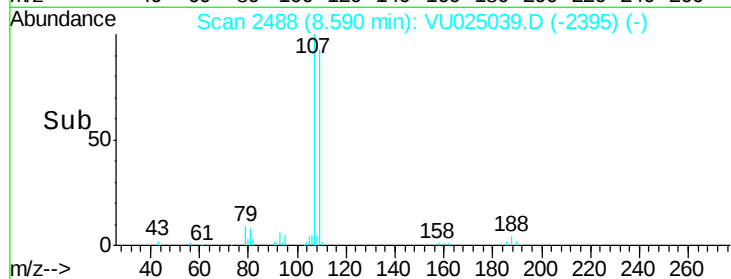
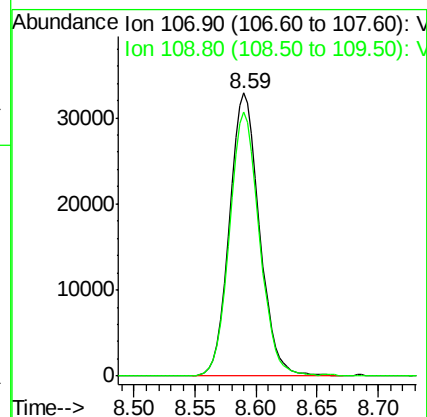
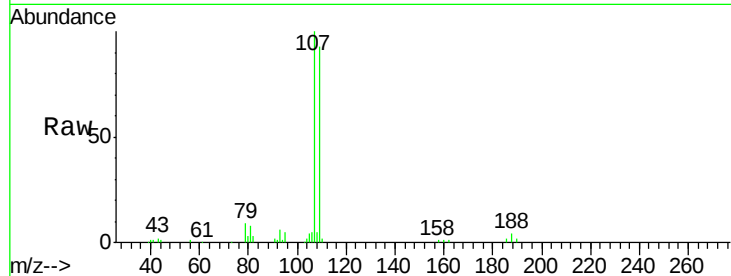
#61
 1,2-Dibromoethane
 Concen: 21.06 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	74.5	111.7

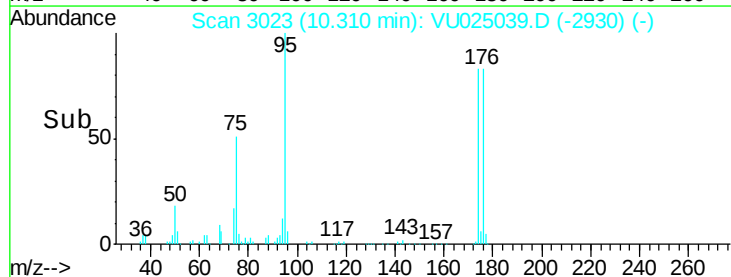
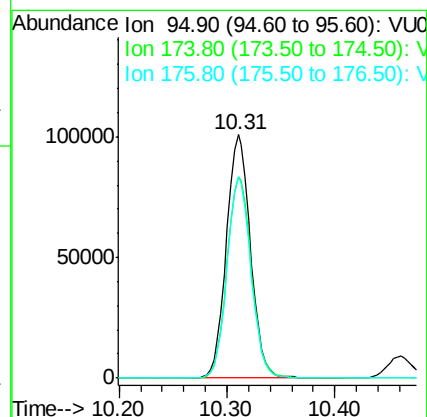
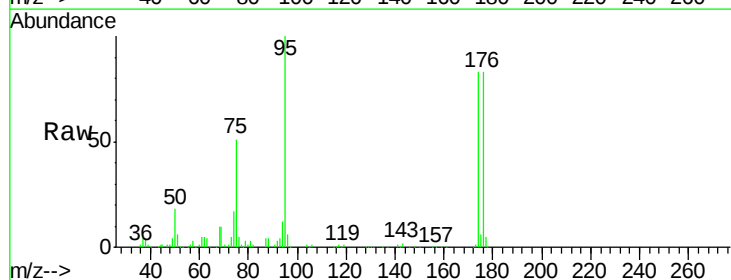
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 47.26 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	165.8
176	81.8	0.0	159.4





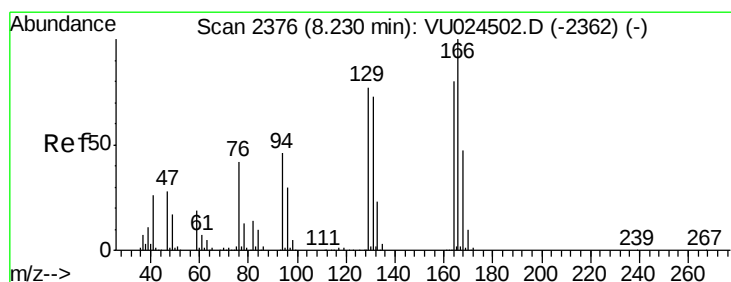
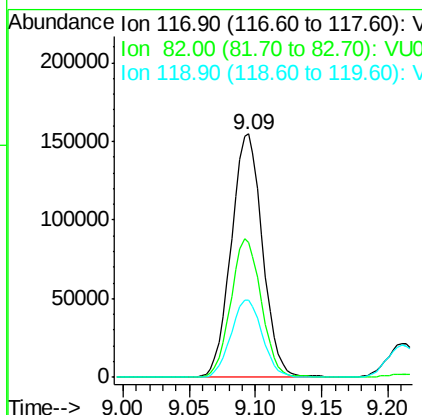
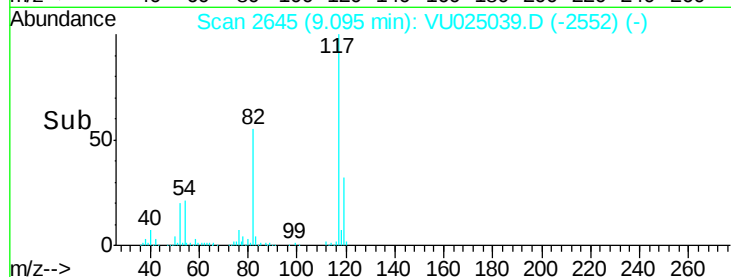
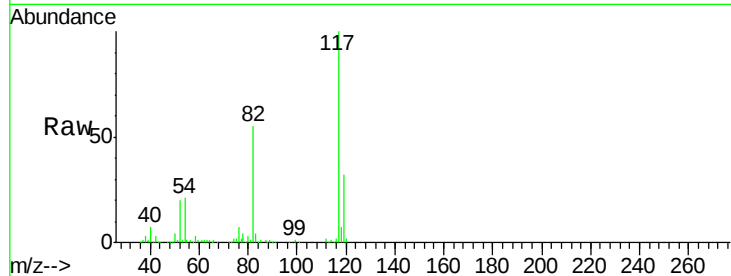
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	253653		
82	55.4	44.3	66.5	
119	31.9	25.4	38.2	

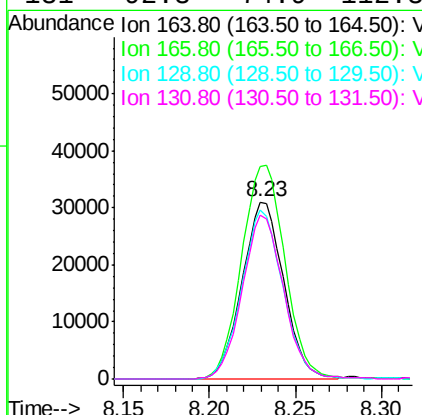
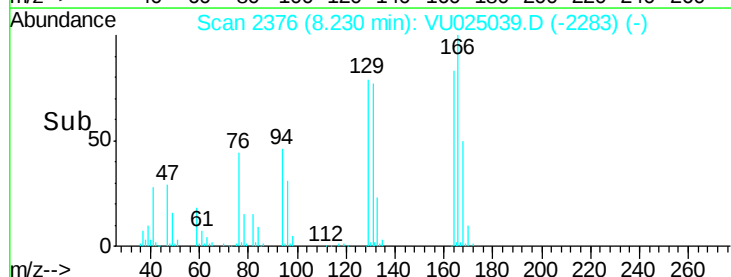
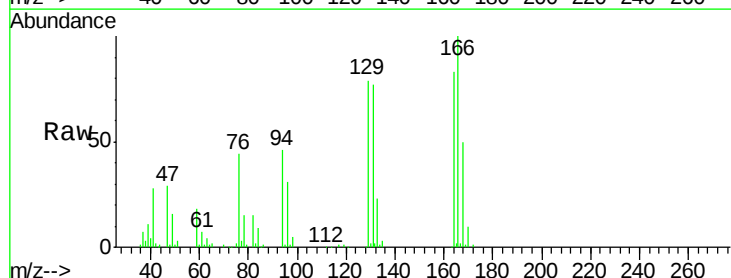
Manual Integrations
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#64
Tetrachloroethene
Concen: 21.60 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	52085		
166	120.2	101.7	152.5	
129	95.4	76.9	115.3	
131	92.3	74.9	112.3	





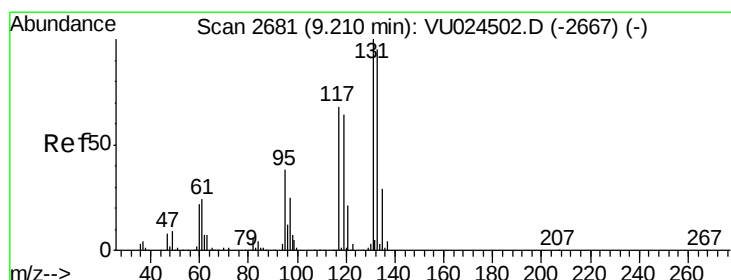
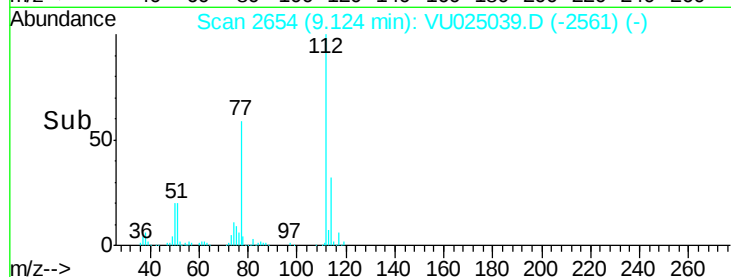
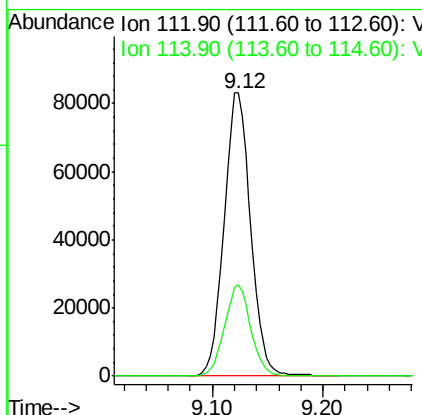
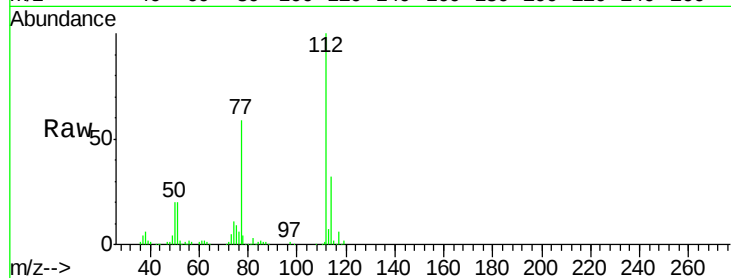
#65
Chlorobenzene
Concen: 21.44 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tot Ion	Ratio	Resp	Lower	Upper
112	100	138901		
114	32.3	25.6	38.4	

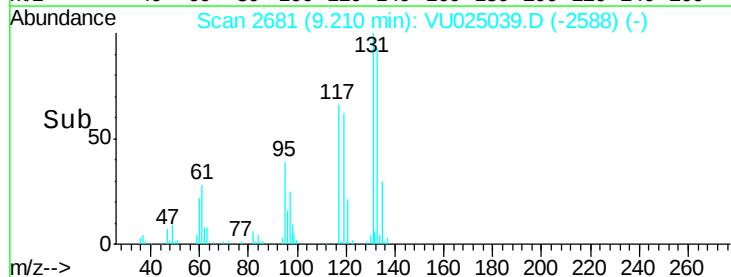
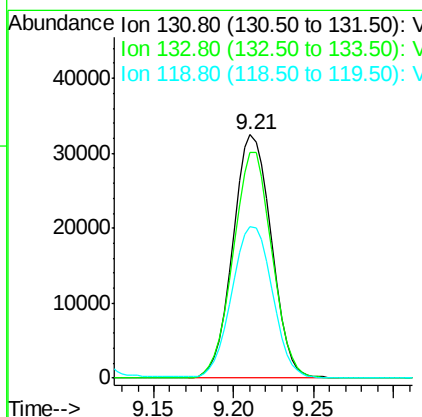
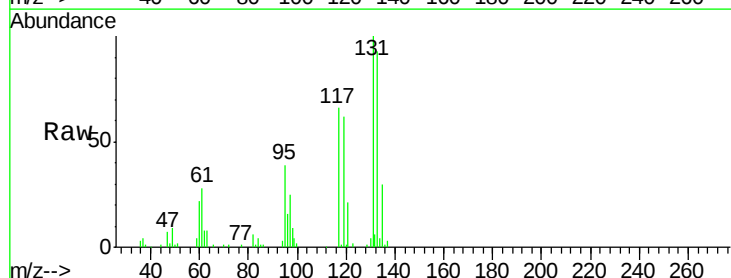
Manual Integrations
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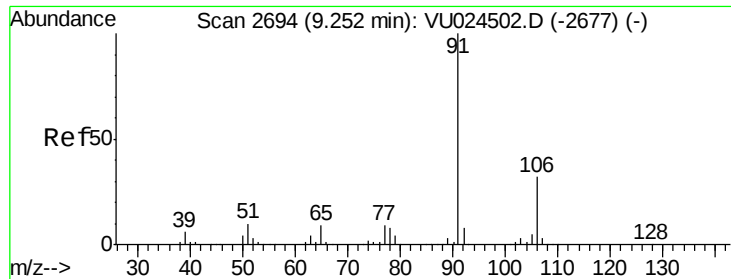
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.63 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	53261		
133	93.6	46.9	140.8	
119	65.9	33.5	100.4	





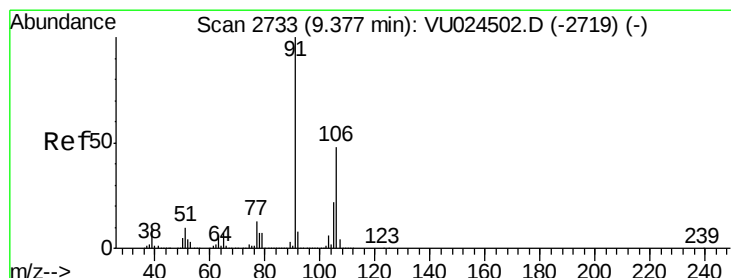
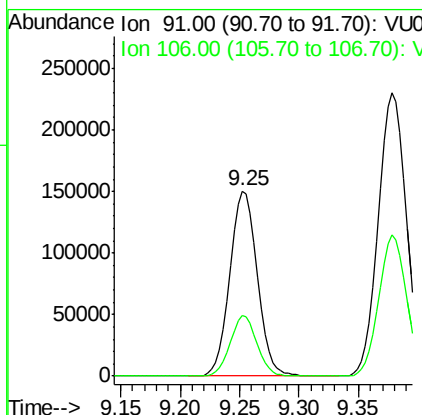
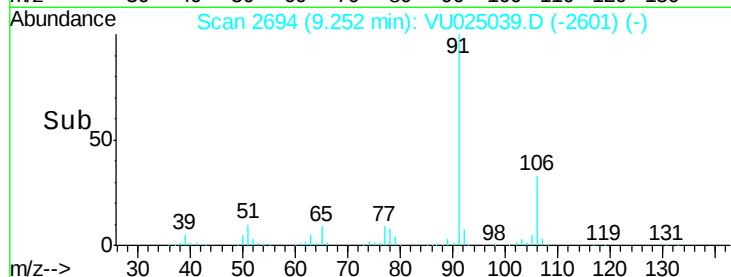
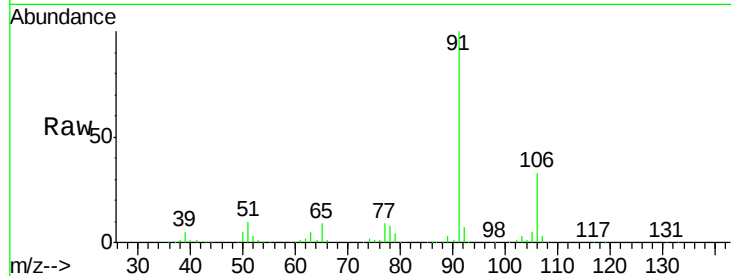
#67
Ethyl Benzene
Concen: 21.30 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_U
ClientSampled :
VU0628MBS03

Tot Ion: 91 Resp: 241965
Ion Ratio Lower Upper
91 100
106 32.5 24.2 36.4

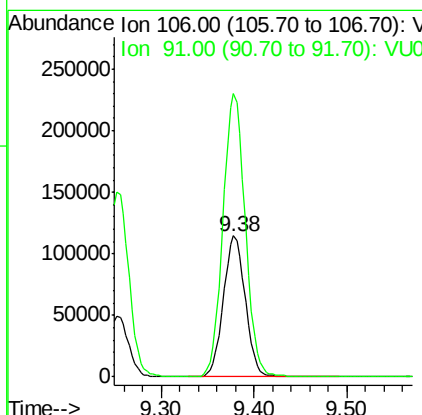
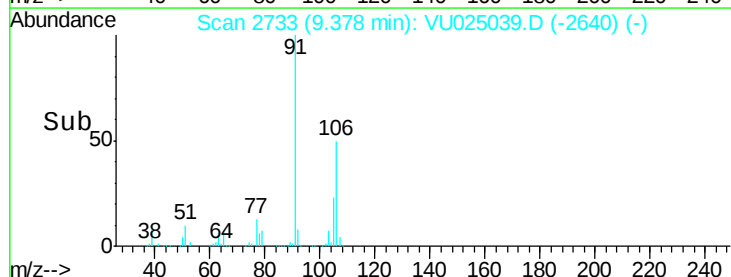
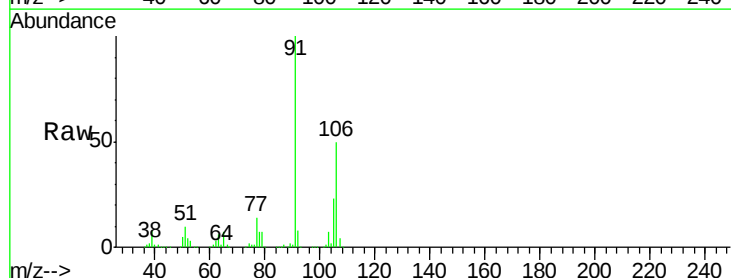
Manual Integrations
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#68
m/p-Xylenes
Concen: 43.15 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion: 106 Resp: 188231
Ion Ratio Lower Upper
106 100
91 202.5 166.5 249.7





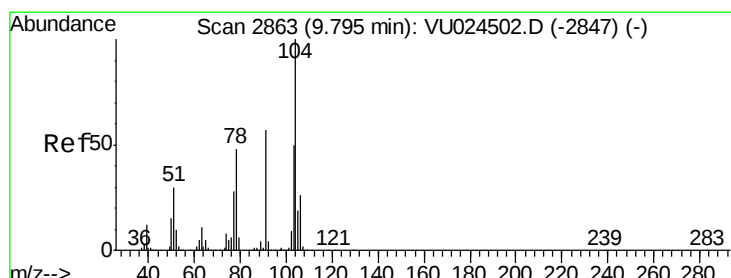
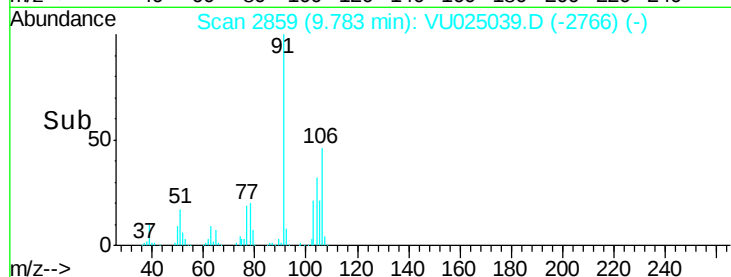
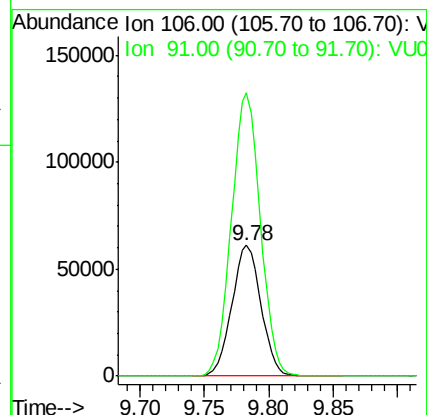
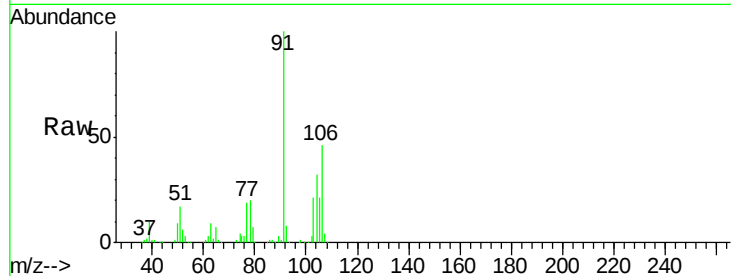
#69
o-Xylene
Concen: 22.21 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_U
ClientSampled :
VU0628MBS03

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.5	110.7	331.9	

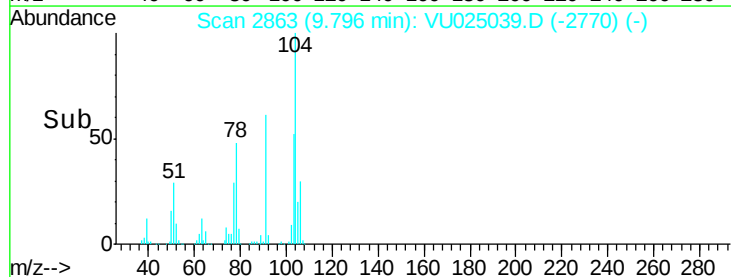
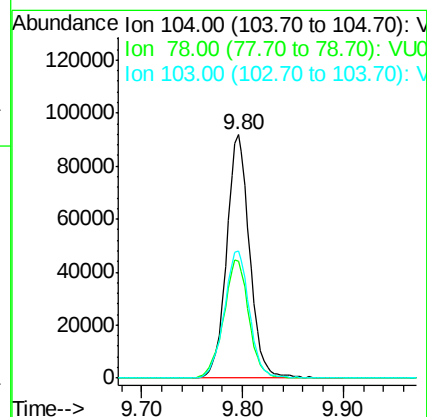
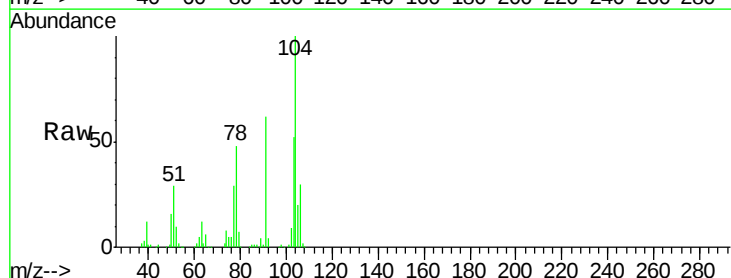
Manual Integrations
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#70
Styrene
Concen: 20.61 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	53.2	40.6	60.8	
103	57.1	44.7	67.1	





#71

Bromoform

Concen: 18.63 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

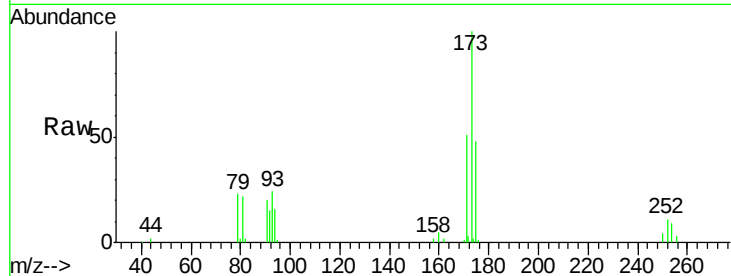
ClientSampleId :

VU0628MBS03

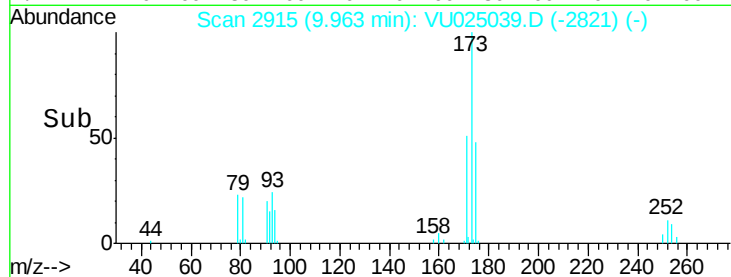
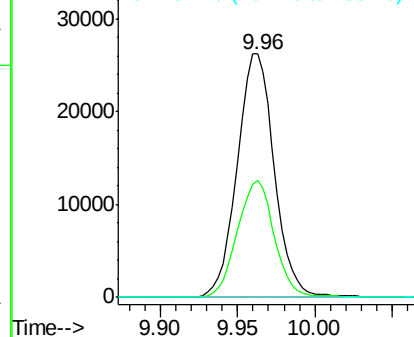
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	74.0
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

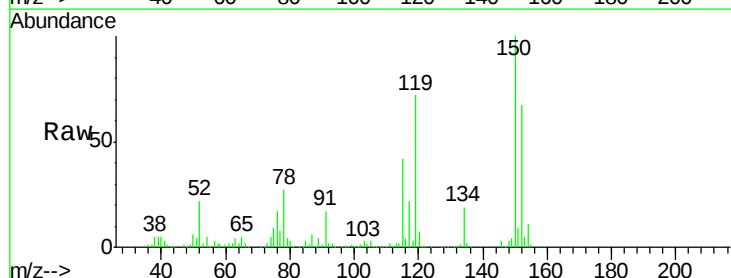
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

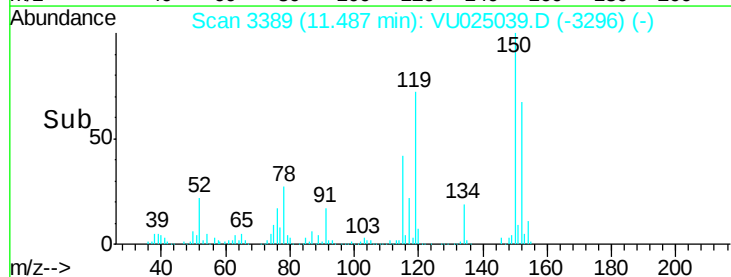
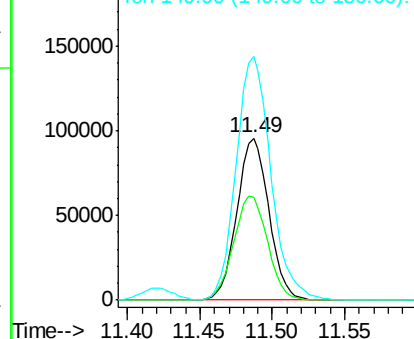
Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.9	43.0	129.0
150	162.9	0.0	354.0



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: 22.45 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

Tot Ion: 105 Resp: 252646

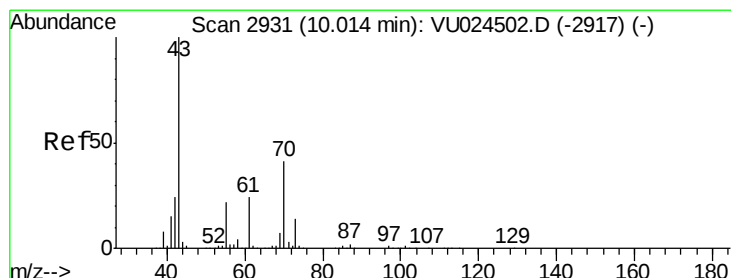
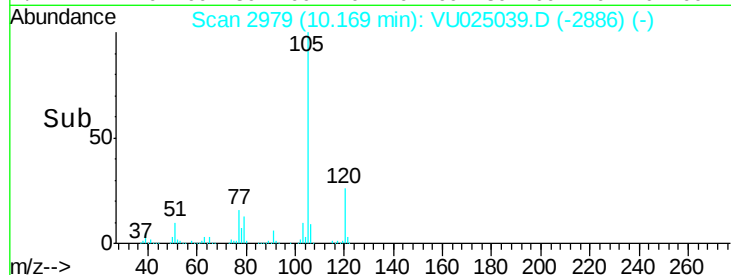
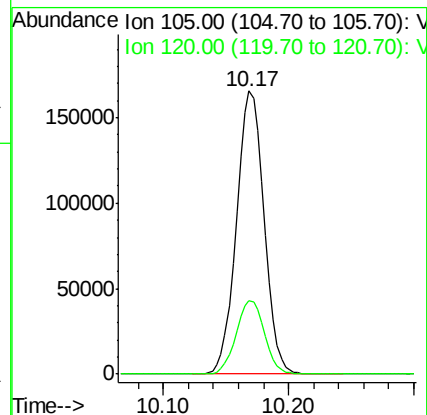
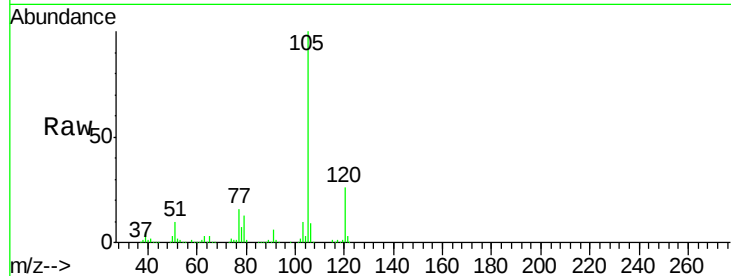
Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6

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#74

N-ethyl acetate

Concen: 19.43 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Tgt Ion: 43 Resp: 104012

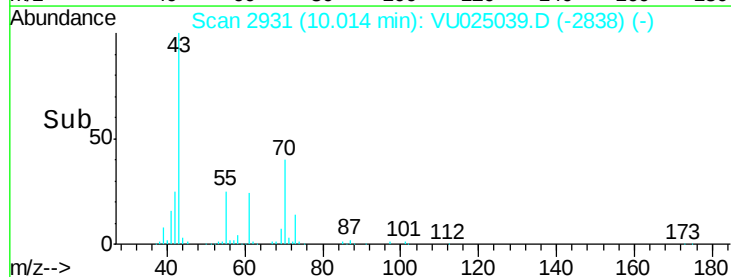
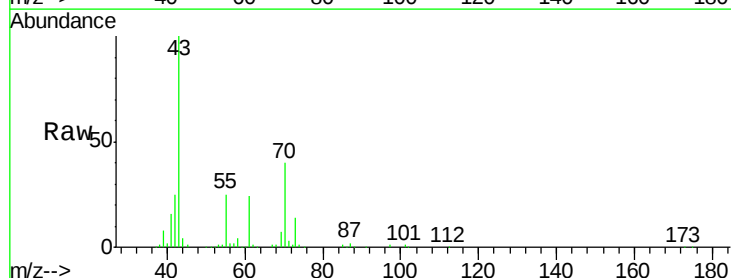
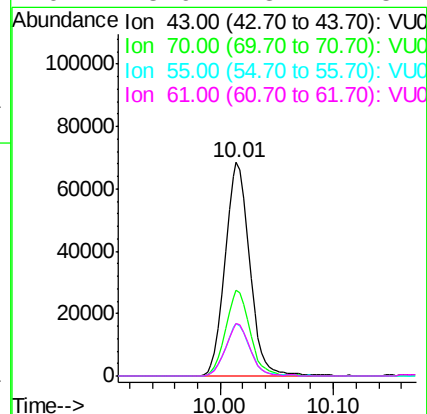
Ion Ratio Lower Upper

43 100

70 39.9 32.2 48.4

55 24.6 20.5 30.7

61 23.9 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.42 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

Tot Ion: 83 Resp: 84551

Ion Ratio Lower Upper

83 100

131 11.8 4.7 14.1

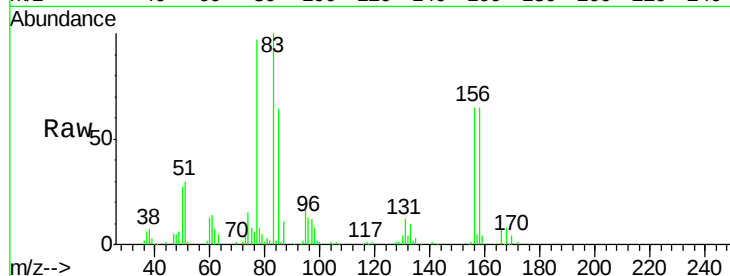
85 64.3 32.5 97.5

Manual Integrations

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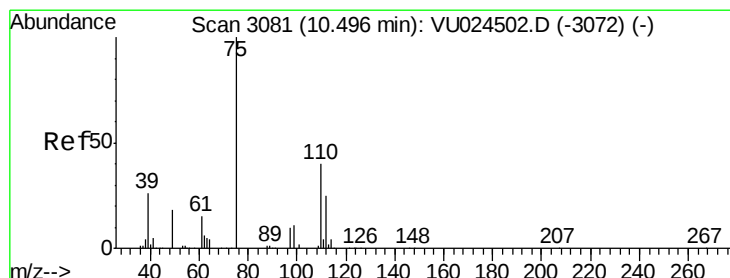
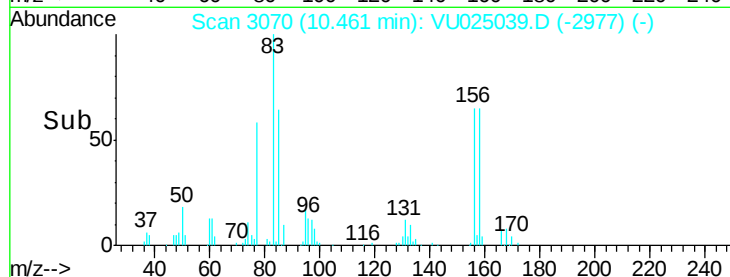
Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0

10.46

Time-->



#76

1,2,3-Trichloropropane

Concen: 22.40 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025039.D

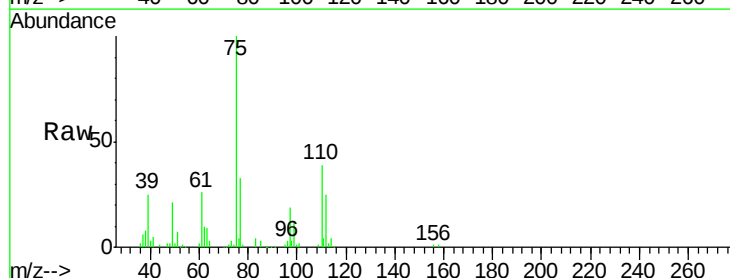
Acq: 28 Jun 2018 23:34

Tgt Ion: 75 Resp: 72306

Ion Ratio Lower Upper

75 100

77 43.3 20.9 62.7

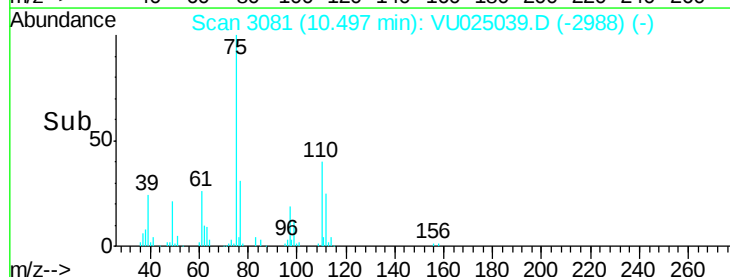


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.50

Time-->





#77

Bromobenzene

Concen: 21.89 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

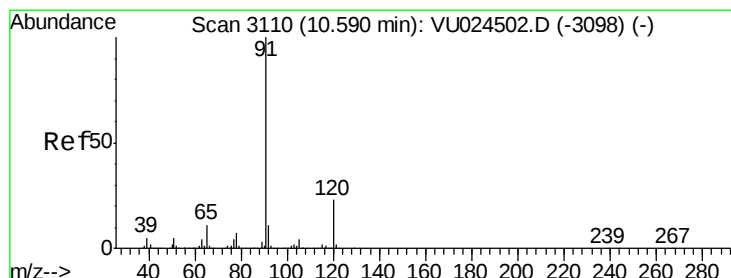
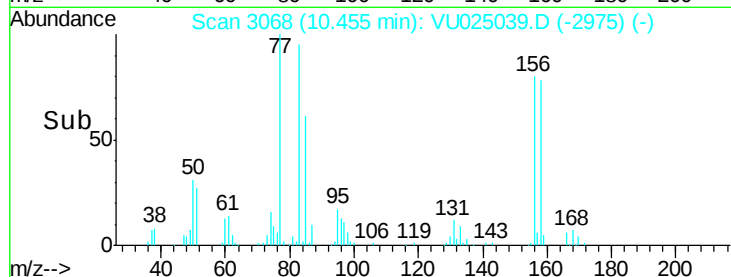
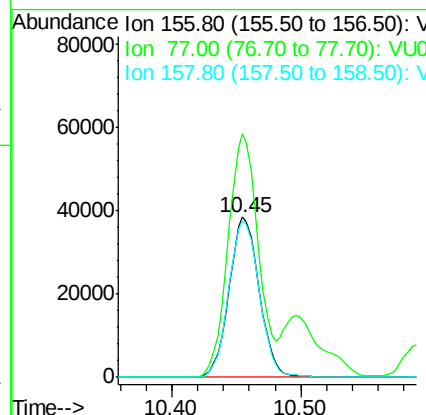
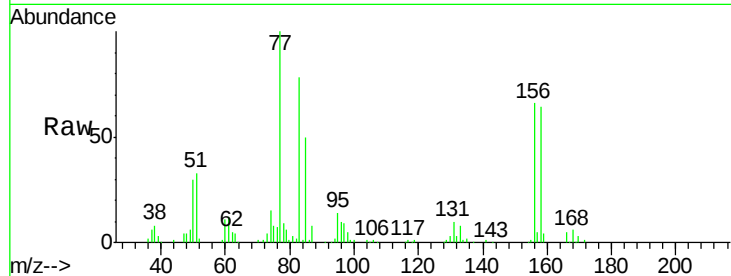
ClientSampleId :

VU0628MBS03

Tot Ion	Ratio	Lower	Upper
156	100		
77	152.4	80.5	241.3
158	98.9	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.97 ug/l

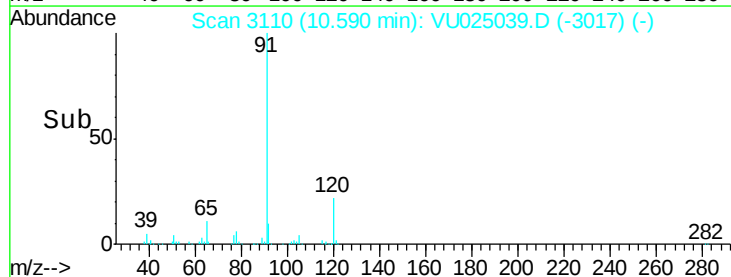
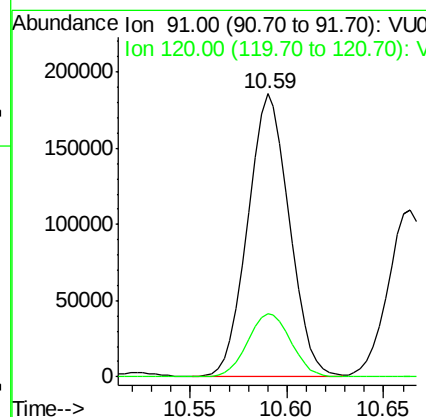
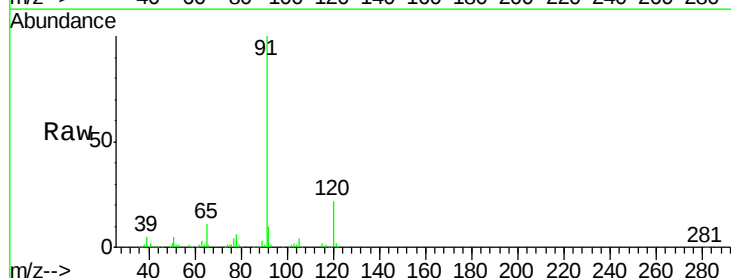
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.2	33.5





#79

2-Chlorotoluene

Concen: 21.78 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

Tot Ion: 91 Resp: 170266

Ion Ratio Lower Upper

91 100

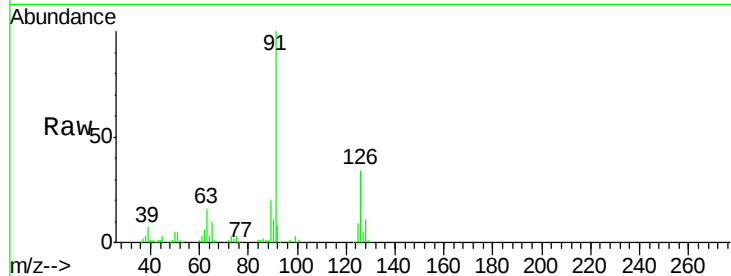
126 35.5 16.9 50.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

200000

150000

100000

50000

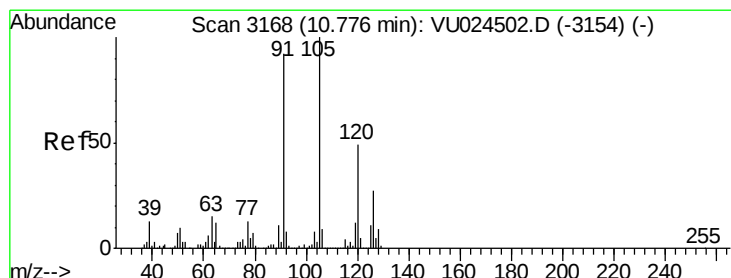
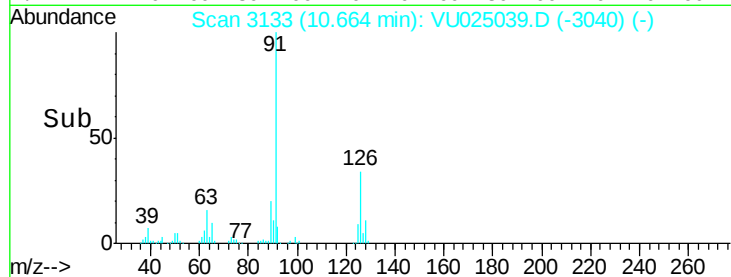
0

10.60

10.66

10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.10 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025039.D

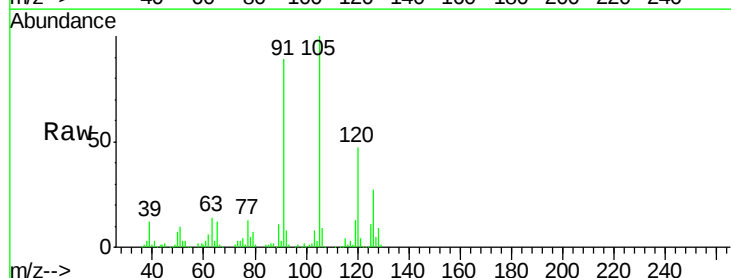
Acq: 28 Jun 2018 23:34

Tgt Ion:105 Resp: 215629

Ion Ratio Lower Upper

105 100

120 47.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

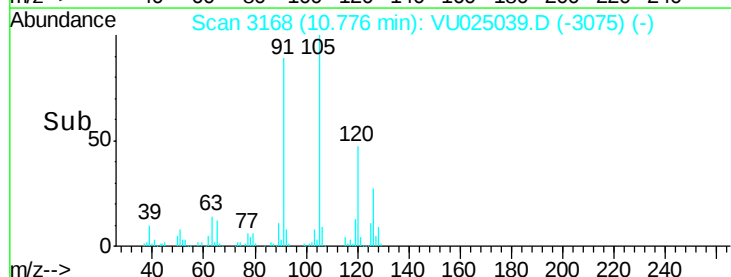
0

10.70

10.78

10.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.52 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

Tot Ion: 75 Resp: 24430

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

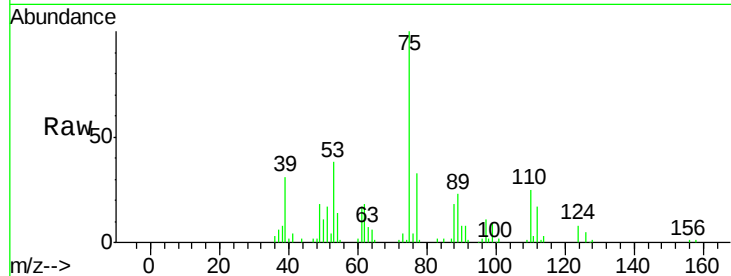
89 0.0 0.0 0.0

Manual Integrations

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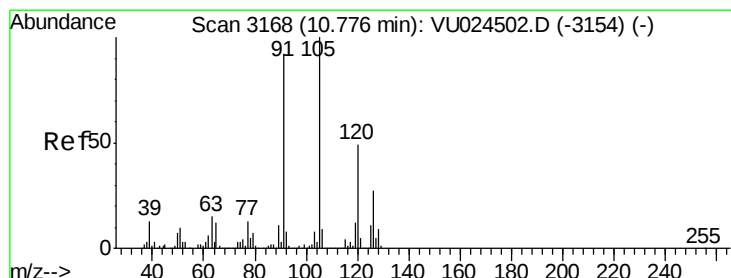
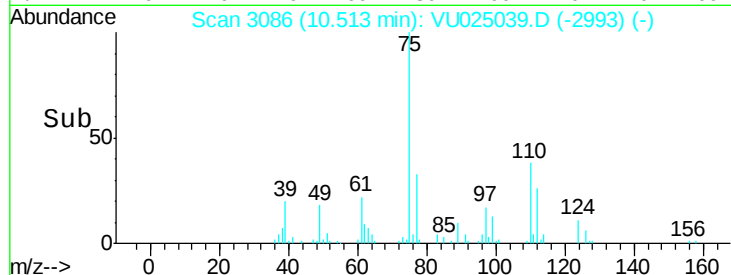
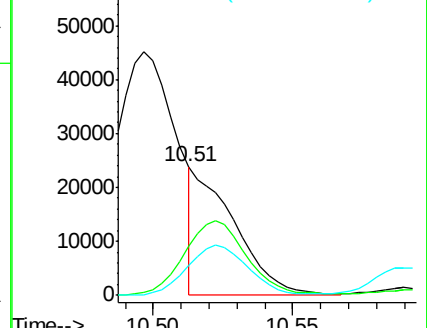
6/29/2018 4:23:43 PM



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU024502.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU024502.D (-3086) (-)



#82

4-Chlorotoluene

Concen: 21.30 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025039.D

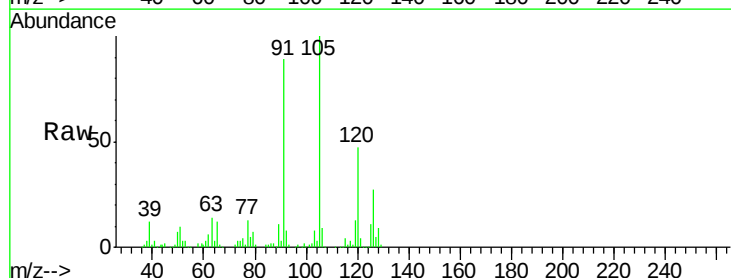
Acq: 28 Jun 2018 23:34

Tgt Ion: 91 Resp: 193823

Ion Ratio Lower Upper

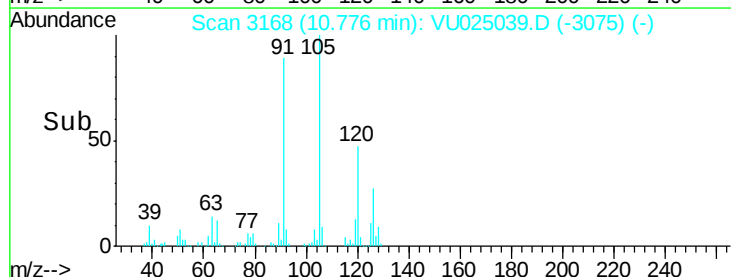
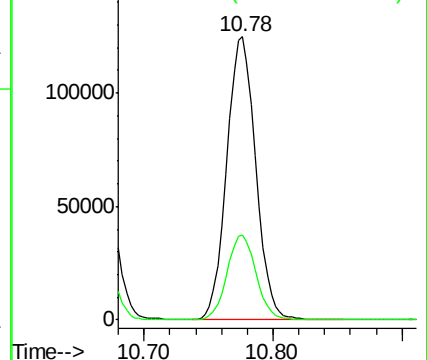
91 100

126 30.3 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3154) (-)

Ion 125.90 (125.60 to 126.60): VU024502.D (-3154) (-)





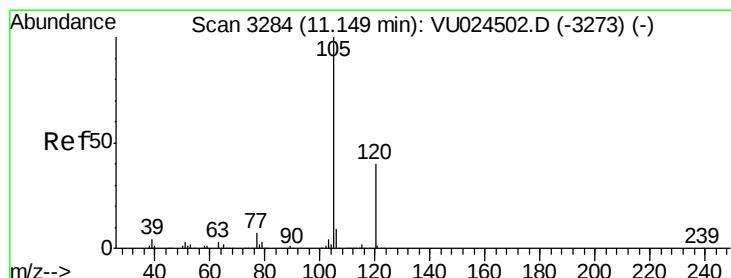
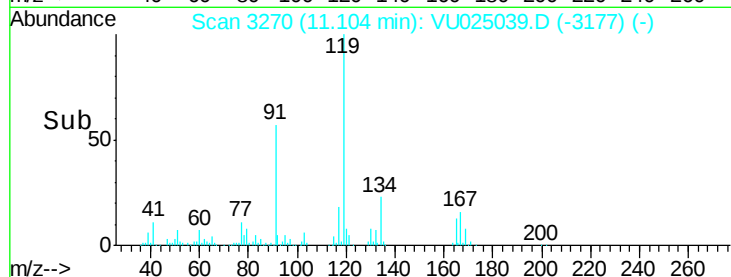
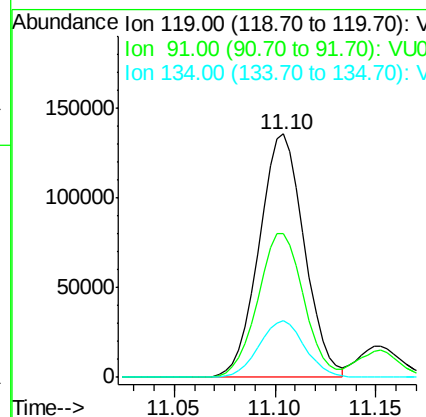
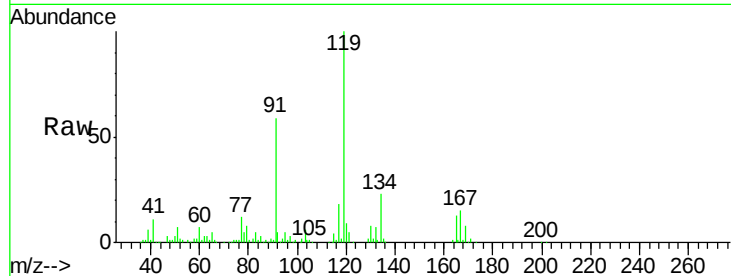
#83
tert-Butylbenzene
Concen: 22.63 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	212325		
91	59.9	29.7	89.1	
134	23.5	11.6	34.7	

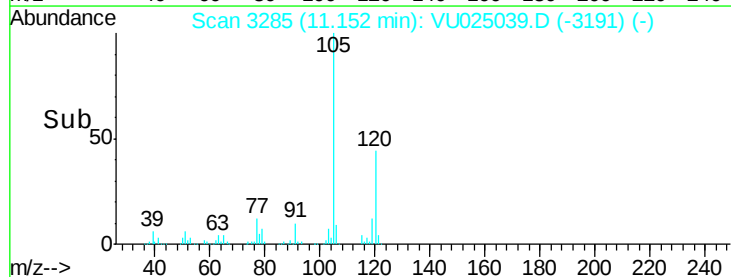
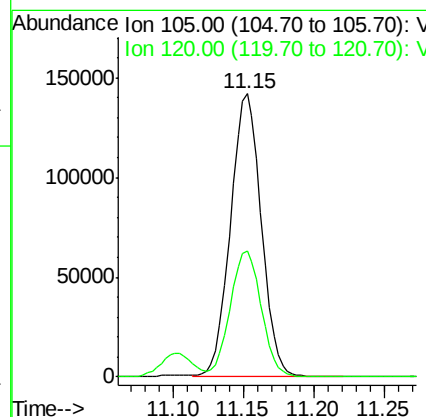
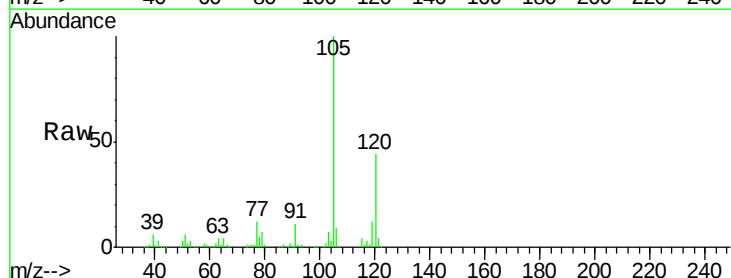
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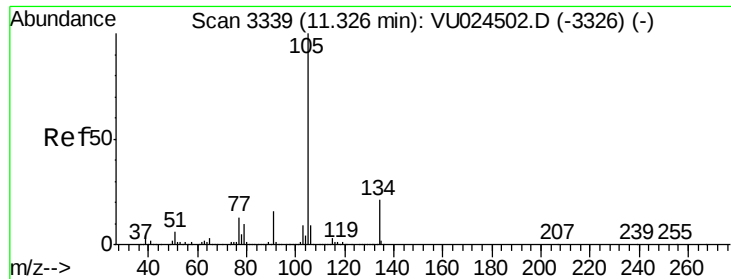
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.72 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	215924		
120	45.1	22.6	67.8	





#85

sec-Butylbenzene

Concen: 21.54 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS03

Tot Ion:105 Resp: 252971

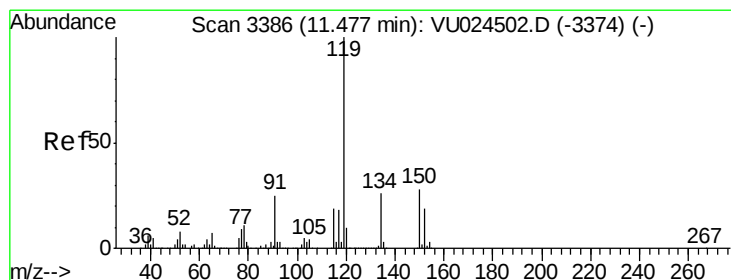
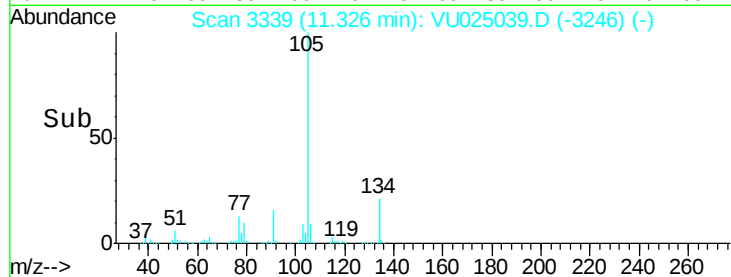
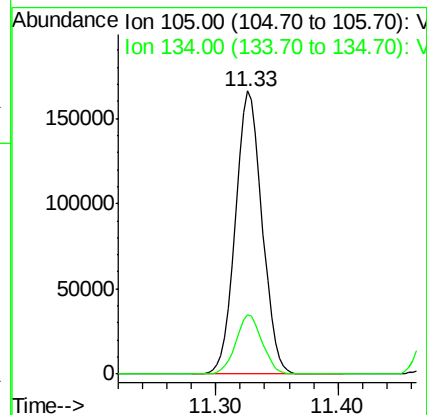
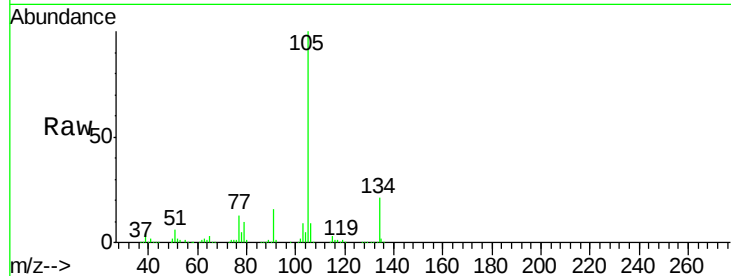
Ion Ratio Lower Upper

105 100

134 20.6 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 20.99 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

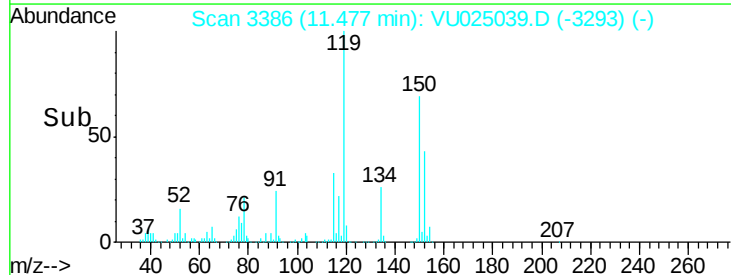
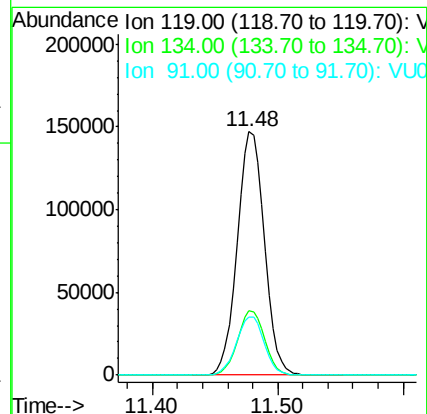
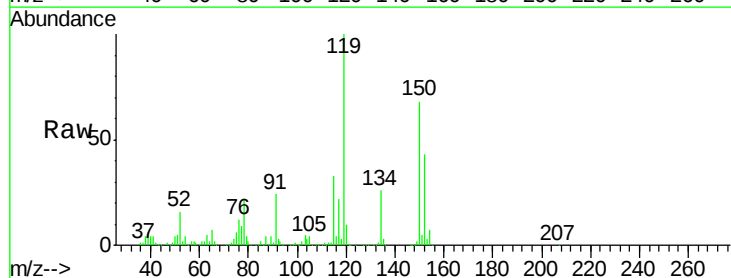
Tgt Ion:119 Resp: 220756

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

91 24.5 12.0 36.1





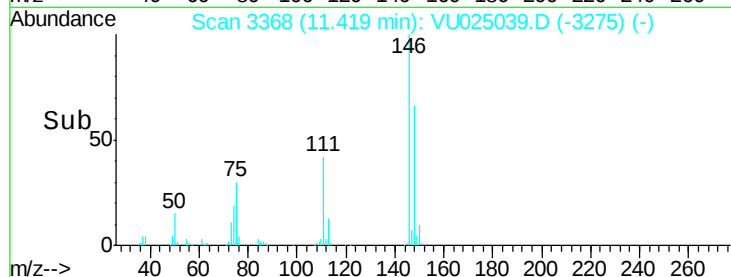
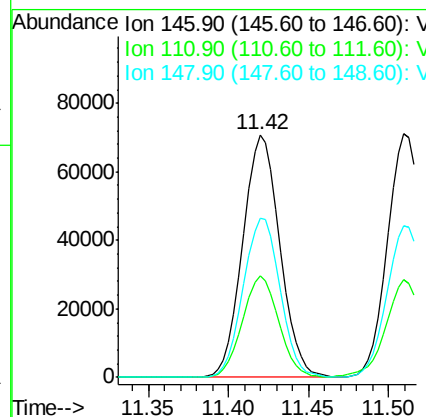
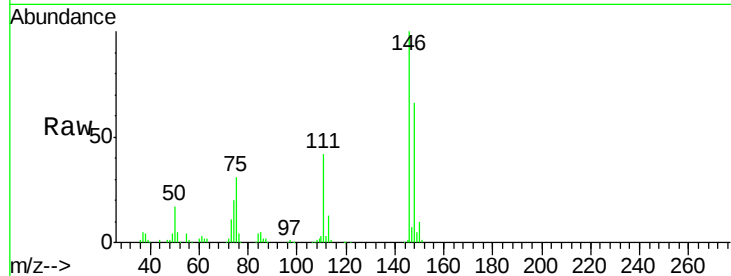
#87
 1,3-Dichlorobenzene
 Concen: 21.28 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.0	60.0
148	65.3	32.1	96.5

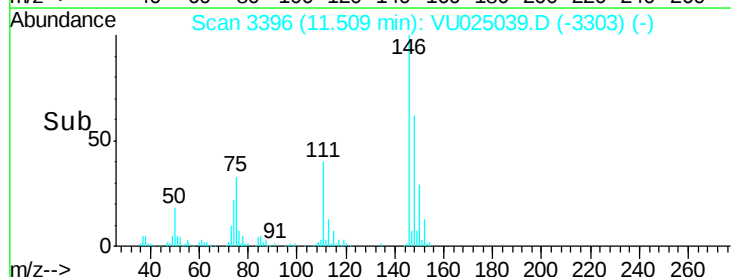
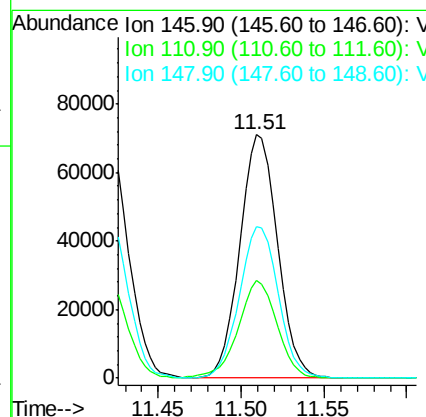
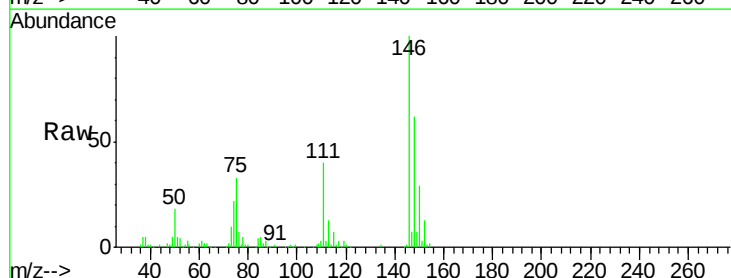
Manual Integrations
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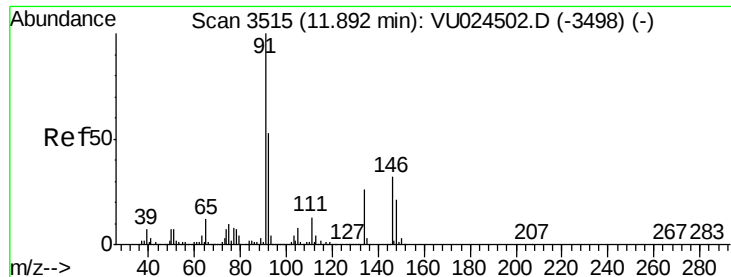
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#88
 1,4-Dichlorobenzene
 Concen: 21.12 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.5	58.5
148	64.9	32.4	97.0





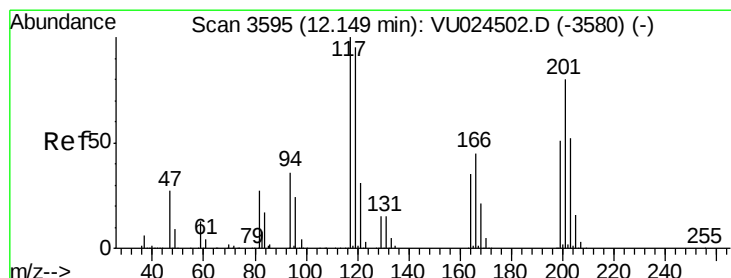
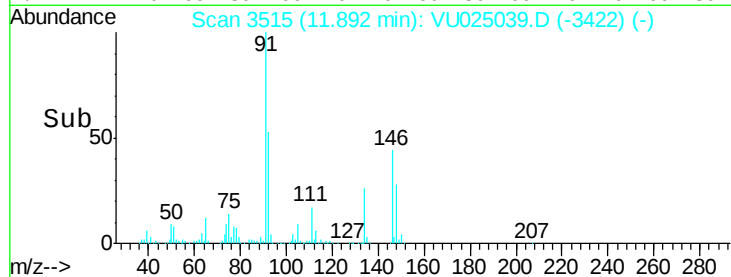
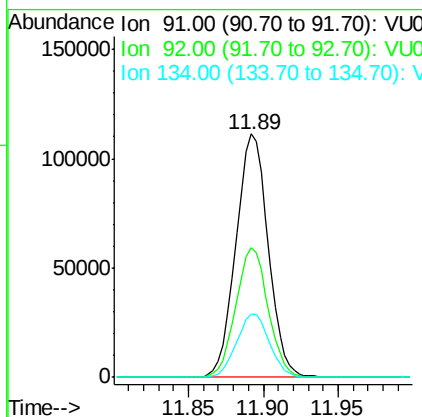
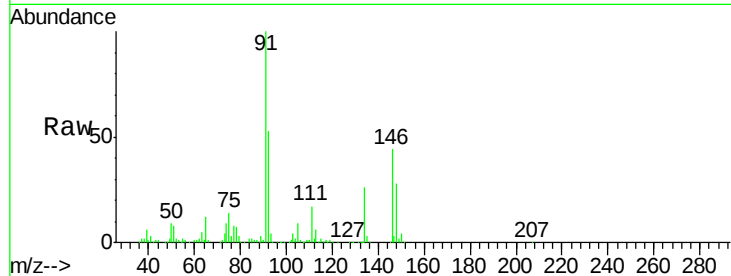
#89
n-Butylbenzene
Concen: 17.94 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	25.6	76.8
134	26.5	12.3	36.8

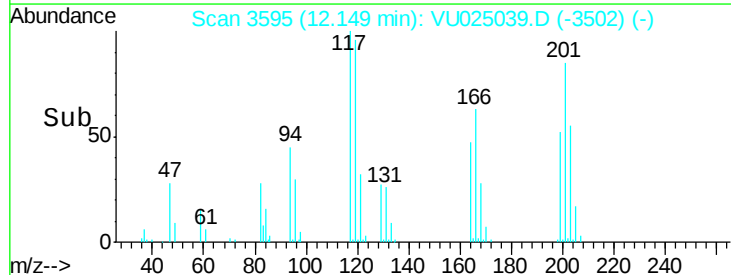
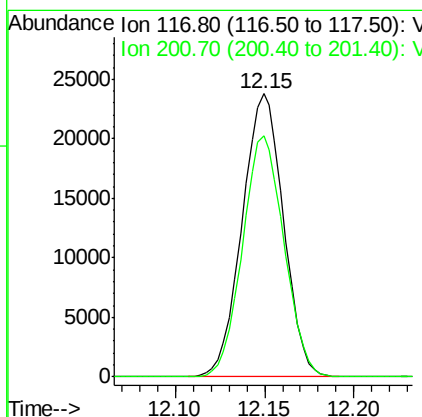
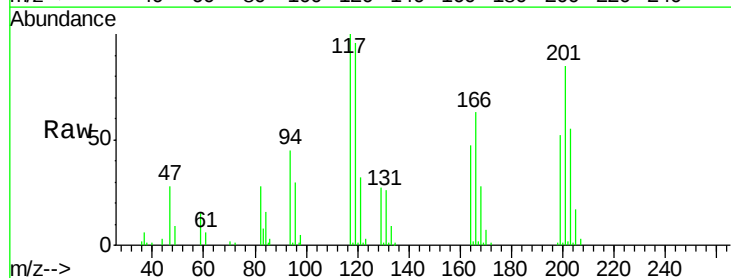
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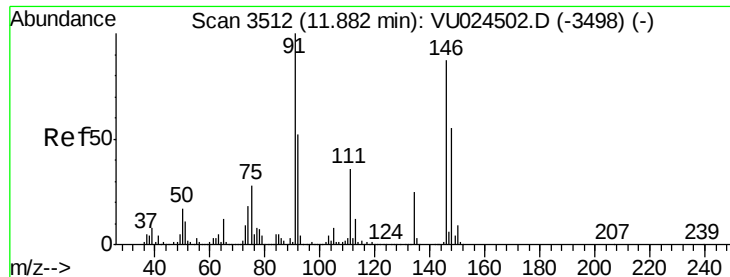
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#90
Hexachloroethane
Concen: 18.76 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025039.D
Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	41.1	123.3





#91

1,2-Dichlorobenzene

Concen: 22.59 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

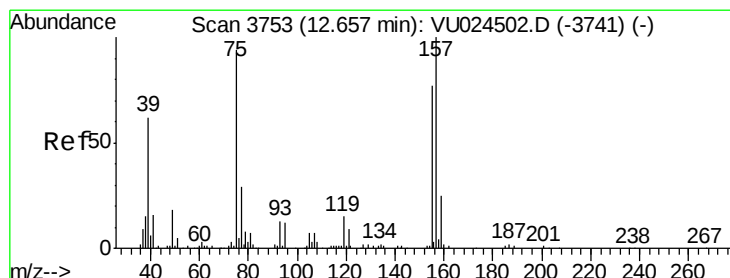
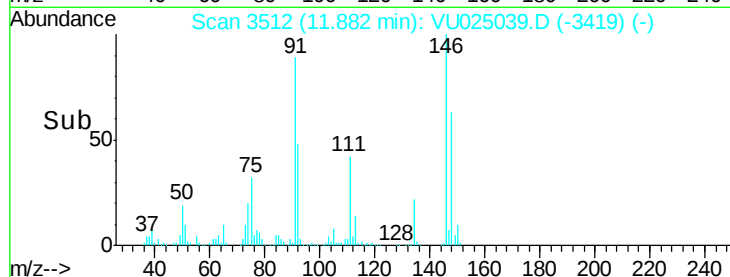
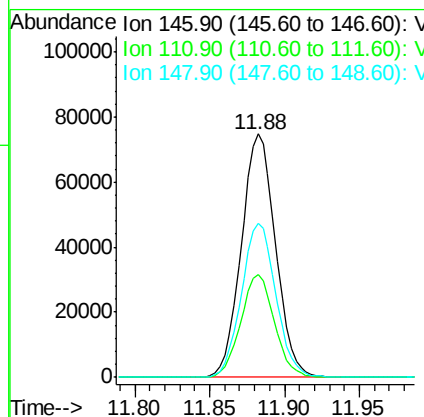
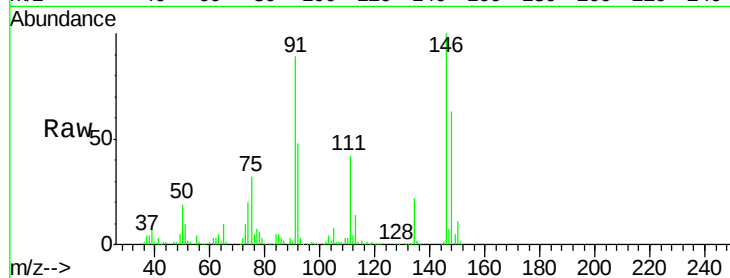
ClientSampleId :

VU0628MBS03

Tot Ion:	146	Resp:	119098
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.5	61.6
148	63.5	31.9	95.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.51 ug/l

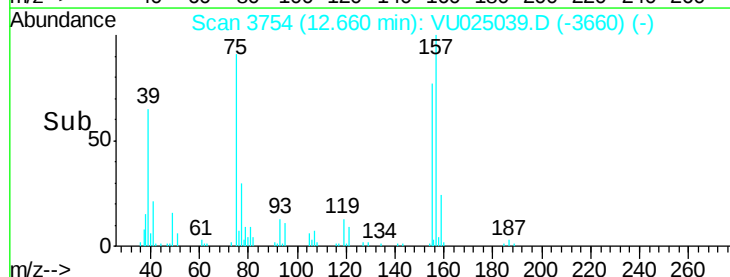
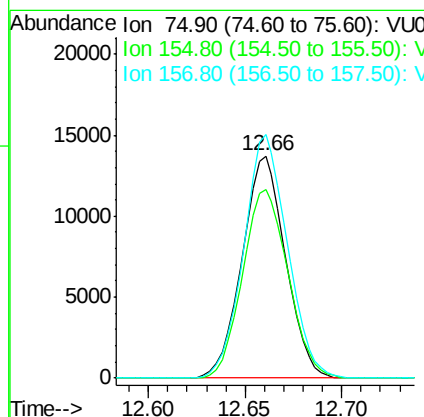
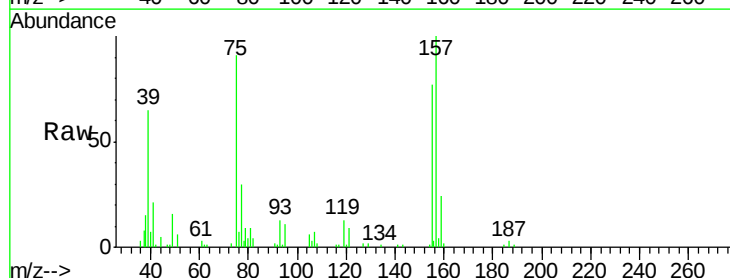
RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Tgt Ion:	75	Resp:	21348
Ion Ratio	Lower	Upper	
75	100		
155	88.9	40.4	121.2
157	110.6	52.3	156.8





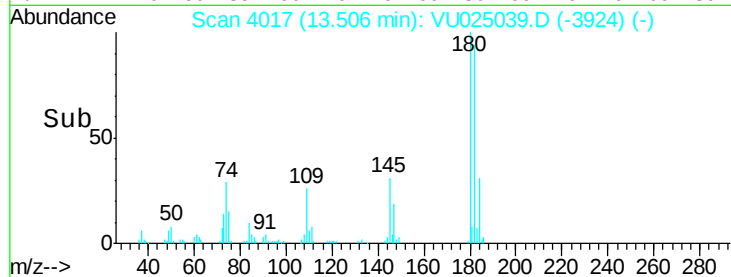
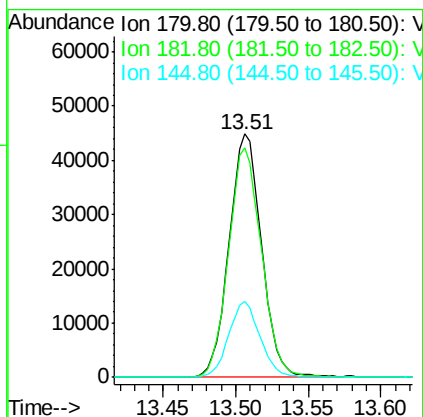
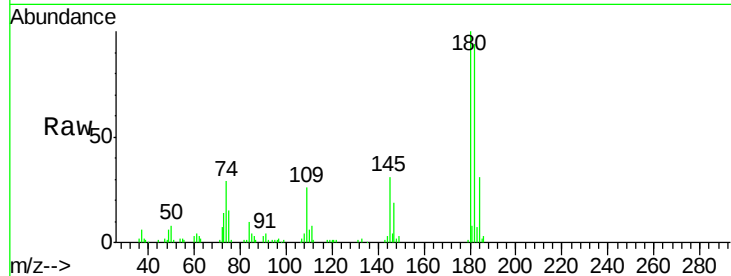
#93
 1,2,4-Trichlorobenzene
 Concen: 21.42 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS03

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.0	144.2
145	30.0	14.7	44.1

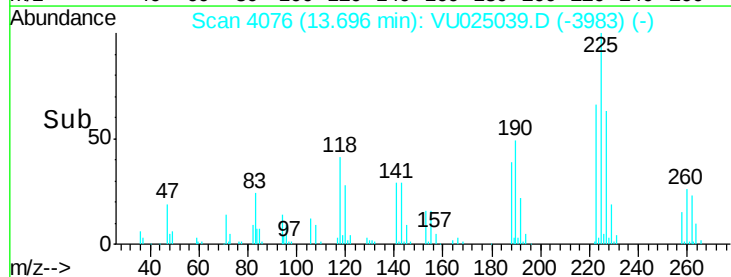
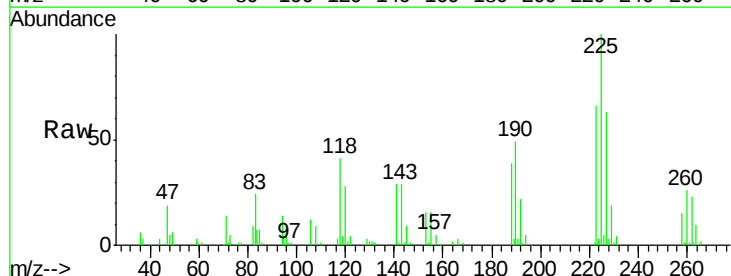
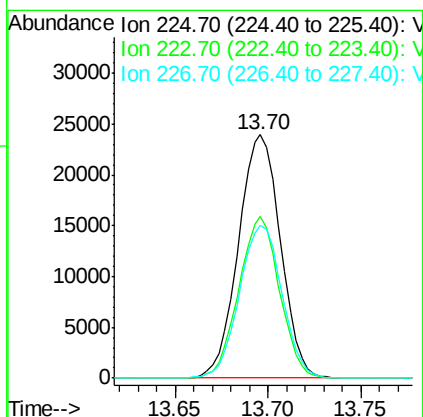
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#94
 Hexachlorobutadiene
 Concen: 20.53 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025039.D
 Acq: 28 Jun 2018 23:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.3	93.8
227	63.5	31.8	95.4





#95

Naphthalene

Concen: 22.91 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Instrument :

MSVOA_U

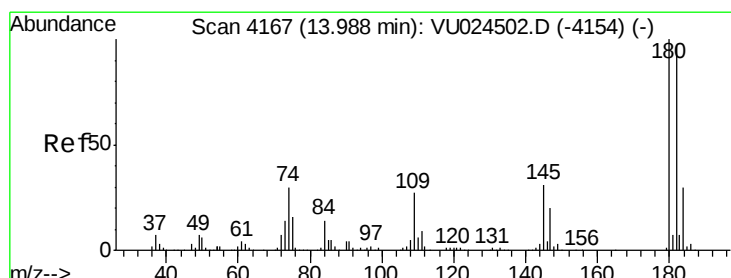
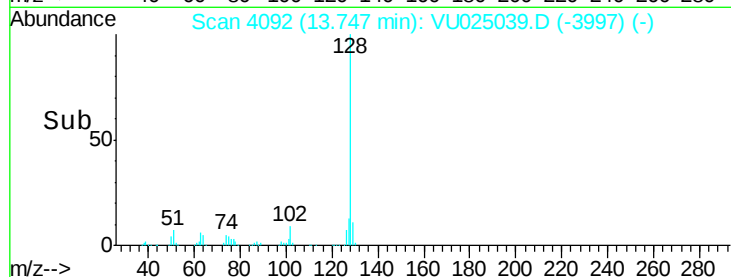
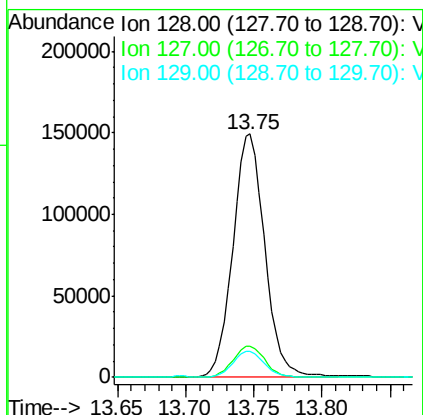
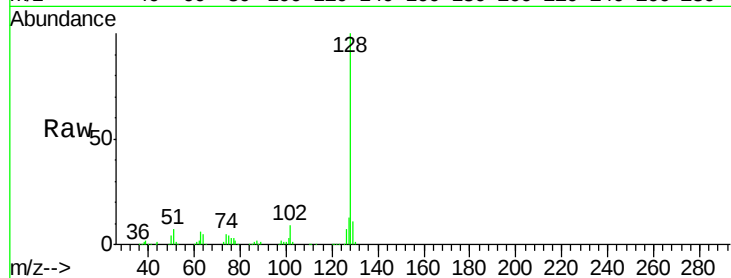
ClientSampleId :

VU0628MBS03

Tot Ion:	128	Resp:	242955
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	10.6	8.6	12.8

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#96

1,2,3-Trichlorobenzene

Concen: 23.37 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025039.D

Acq: 28 Jun 2018 23:34

Tgt Ion:	180	Resp:	75805
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.9	143.7
145	31.0	15.4	46.1

