

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025929.D
 Acq On : 07 Aug 2018 08:55
 Operator : MD/SY
 Sample : J4344-06MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0536MS

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 1:51:50 PM

Quant Time: Aug 07 09:19:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 00:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	192952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	301429	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	291219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	181814	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	148566	49.42	ug/l	0.00
Spiked Amount						
			Recovery	=	98.84%	
35) Dibromofluoromethane	4.89	113	124827	47.61	ug/l	0.00
Spiked Amount						
			Recovery	=	95.22%	
50) Toluene-d8	7.57	98	438887	47.84	ug/l	0.00
Spiked Amount						
			Recovery	=	95.68%	
62) 4-Bromofluorobenzene	10.31	95	171814	48.25	ug/l	0.00
Spiked Amount						
			Recovery	=	96.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	109448	37.53	ug/l	97
3) Chloromethane	1.33	50	106289	38.13	ug/l	100
4) Vinyl Chloride	1.41	62	121893	46.47	ug/l	99
5) Bromomethane	1.63	94	58365	45.56	ug/l	99
6) Chloroethane	1.70	64	72183	47.06	ug/l	95
7) Trichlorofluoromethane	1.89	101	185515	48.91	ug/l	99
8) Diethyl Ether	2.10	74	69064	50.33	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	98727	44.98	ug/l	99
10) Methyl Iodide	2.41	142	52973	30.02	ug/l	99
11) Tert butyl alcohol	2.83	59	160632	244.04	ug/l	99
12) 1,1-Dichloroethene	2.29	96	97876	47.24	ug/l	92
13) Acrolein	2.20	56	88242	371.17	ug/l	99
14) Allyl chloride	2.60	41	164434	44.17	ug/l	97
15) Acrylonitrile	2.94	53	338901	257.88	ug/l	99
16) Acetone	2.32	43	358582	244.64	ug/l	98
17) Carbon Disulfide	2.48	76	317493	47.35	ug/l	99
18) Methyl Acetate	2.62	43	129390	36.68	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	390727	52.04	ug/l	100
20) Methylene Chloride	2.71	84	124063	47.76	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	117992	49.27	ug/l	98
22) Diisopropyl ether	3.57	45	381227	51.96	ug/l	95
23) Vinyl Acetate	3.53	43	1335650	208.90	ug/l	99
24) 1,1-Dichloroethane	3.45	63	222909	50.61	ug/l	99
25) 2-Butanone	4.27	43	597643	299.53	ug/l	100
26) 2,2-Dichloropropane	4.23	77	100565	25.12	ug/l	95
27) cis-1,2-Dichloroethene	4.23	96	136428	50.53	ug/l	93
28) Bromochloromethane	4.55	49	101279	51.43	ug/l	98
29) Tetrahydrofuran	4.64	42	302811	253.31	ug/l	99
30) Chloroform	4.68	83	230464	49.58	ug/l	98
31) Cyclohexane	5.00	56	193743	50.59	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	214369	51.22	ug/l	99
36) 1,1-Dichloropropene	5.14	75	174457	49.52	ug/l	99
37) Ethyl Acetate	4.38	43	151308	41.42	ug/l	99
38) Carbon Tetrachloride	5.14	117	191760	48.06	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	194710	48.24	ug/l	98
40) Benzene	5.39	78	496258	48.19	ug/l	99
41) Methacrylonitrile	4.54	41	99740	49.16	ug/l	97
42) 1,2-Dichloroethane	5.41	62	188393	47.51	ug/l	98
43) Isopropyl Acetate	5.55	43	261803	43.37	ug/l	99
44) Trichloroethene	6.19	130	143703	50.11	ug/l	96
45) 1,2-Dichloropropane	6.44	63	129761	48.32	ug/l	100
46) Dibromomethane	6.56	93	92885	47.73	ug/l	97
47) Bromodichloromethane	6.76	83	181457	48.89	ug/l	96
48) Methyl methacrylate	6.63	41	146071	49.38	ug/l	98
49) 1,4-Dioxane	6.62	88	70897	984.82	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	1147294	303.61	ug/l	99
52) Toluene	7.64	92	324288	50.69	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	187902	45.09	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	194901	45.53	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	131838	49.59	ug/l	97
56) Ethyl methacrylate	8.02	69	197362	51.96	ug/l	95
57) 1,3-Dichloropropane	8.25	76	218511	48.88	ug/l	99
59) 2-Hexanone	8.36	43	881701	297.65	ug/l	96
60) Dibromochloromethane	8.48	129	155898	49.73	ug/l	100
61) 1,2-Dibromoethane	8.59	107	146048	49.40	ug/l	100
64) Tetrachloroethene	8.23	164	126535	49.36	ug/l	99
65) Chlorobenzene	9.12	112	366499	48.81	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	139378	51.31	ug/l	98
67) Ethyl Benzene	9.25	91	635000	51.06	ug/l	99
68) m/p-Xylenes	9.38	106	502746	105.29	ug/l	99
69) o-Xylene	9.78	106	244971	52.49	ug/l	99
70) Styrene	9.80	104	393530	52.21	ug/l	98
71) Bromoform	9.96	173	123088	52.26	ug/l #	98
73) Isopropylbenzene	10.17	105	637326	51.36	ug/l	99
74) N-amyl acetate	10.01	43	208944	41.24	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	206924	48.22	ug/l	96
76) 1,2,3-Trichloropropane	10.50	75	180685m	45.10	ug/l	
77) Bromobenzene	10.45	156	172326	50.35	ug/l	96
78) n-propylbenzene	10.59	91	736599	50.86	ug/l	99
79) 2-Chlorotoluene	10.66	91	440408	51.91	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	543764	51.60	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	46023m	28.81	ug/l	
82) 4-Chlorotoluene	10.78	91	511794	51.18	ug/l	99
83) tert-Butylbenzene	11.10	119	532873	50.89	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	564828	52.89	ug/l	98
85) sec-Butylbenzene	11.33	105	634297	49.62	ug/l	100
86) p-Isopropyltoluene	11.48	119	568121	49.63	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	314768	49.54	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	318259	48.06	ug/l	99
89) n-Butylbenzene	11.89	91	484401	45.86	ug/l	99
90) Hexachloroethane	12.15	117	96316	47.32	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	311679	50.05	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	50664	49.80	ug/l	98
93) 1,2,4-Trichlorobenzene	13.51	180	206474	49.12	ug/l	98

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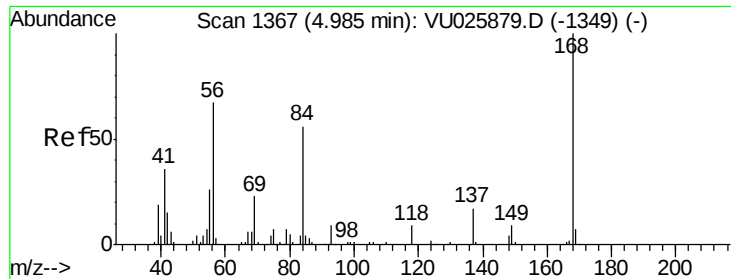
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	89761	40.51	ug/l	99
95) Naphthalene	13.74	128	635626	47.15	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	209824	50.04	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

ClientSampleID :

FL-0536MS

Tot Ion:168 Resp: 192952

Ion Ratio Lower Upper

168 100

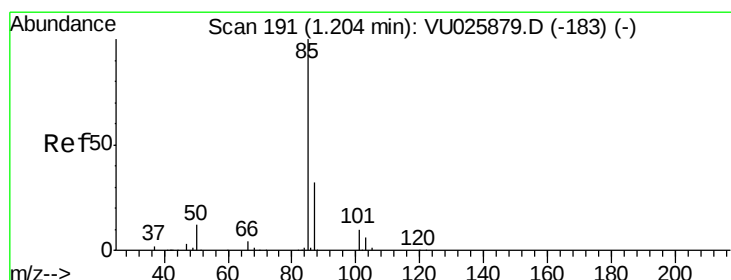
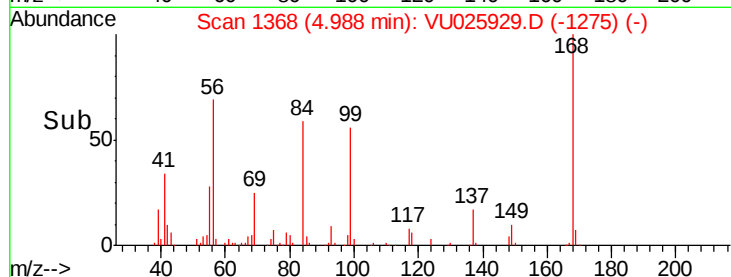
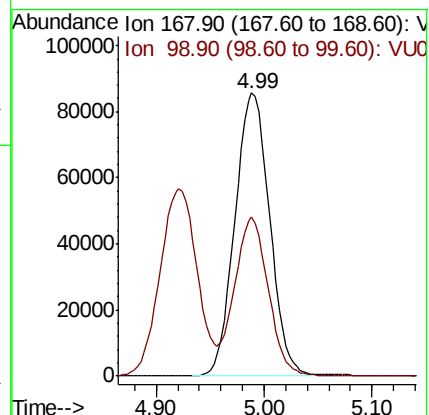
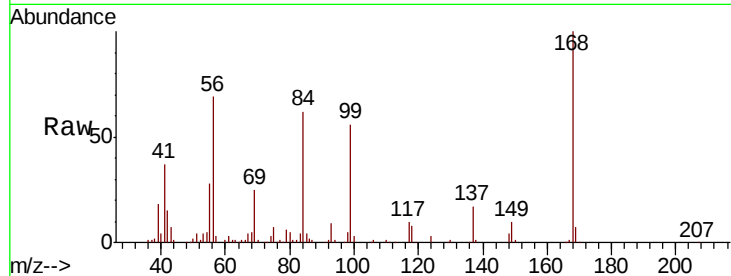
99 55.9 42.8 64.2

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#2

Dichlorodifluoromethane

Concen: 37.53 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025929.D

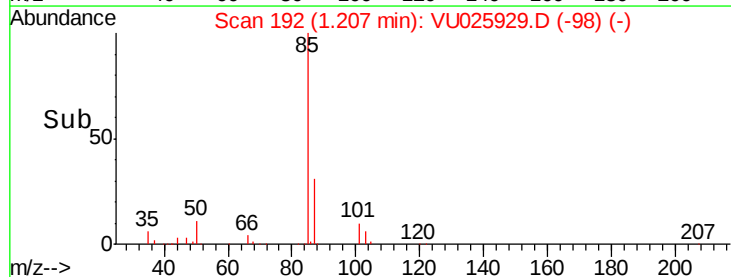
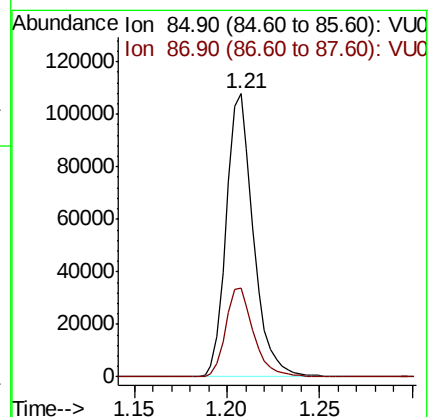
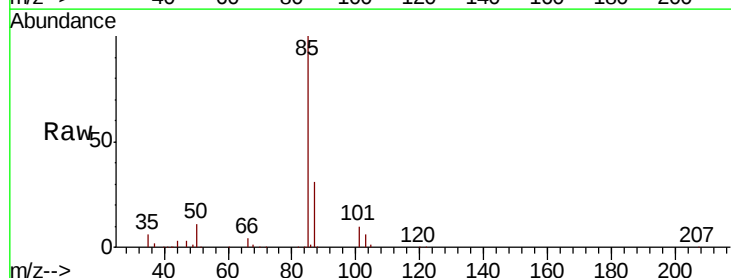
Acq: 07 Aug 2018 08:55

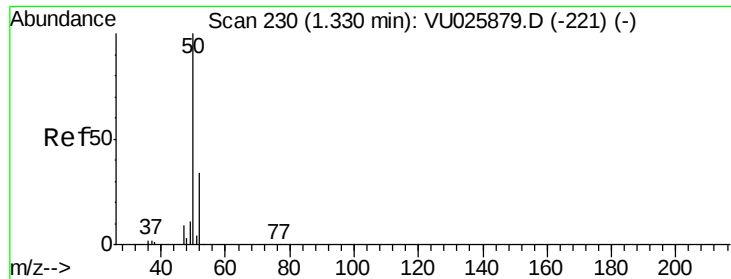
Tgt Ion: 85 Resp: 109448

Ion Ratio Lower Upper

85 100

87 31.4 16.5 49.5





#3

Chloromethane

Concen: 38.13 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

ClientSampleId :

FL-0536MS

Tot Ion: 50 Resp: 106289

Ion Ratio Lower Upper

50 100

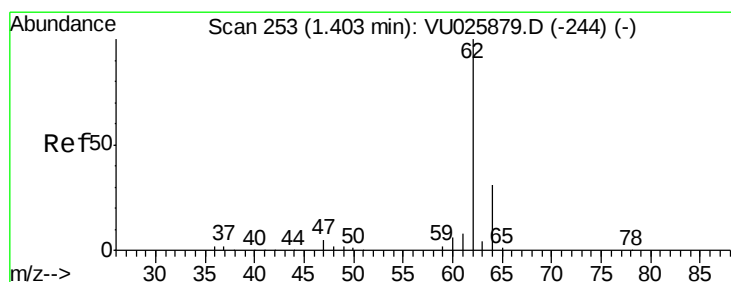
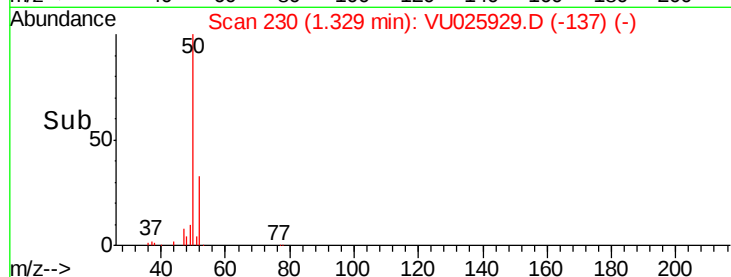
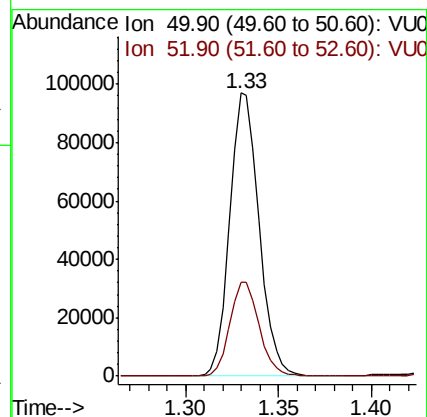
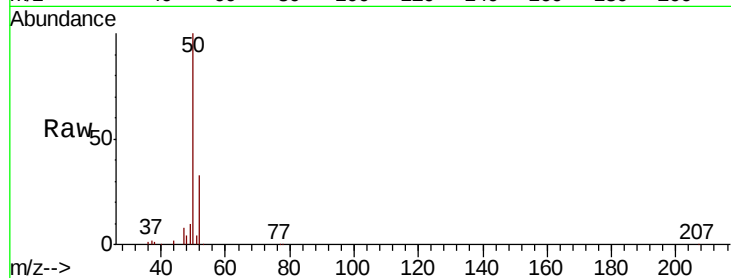
52 33.1 26.5 39.7

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#4

Vinyl Chloride

Concen: 46.47 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025929.D

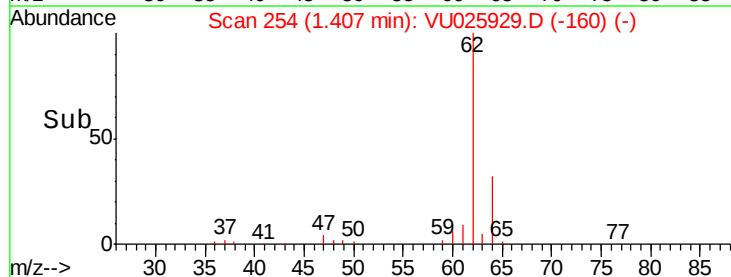
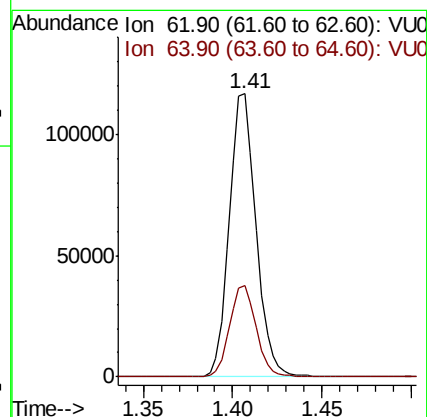
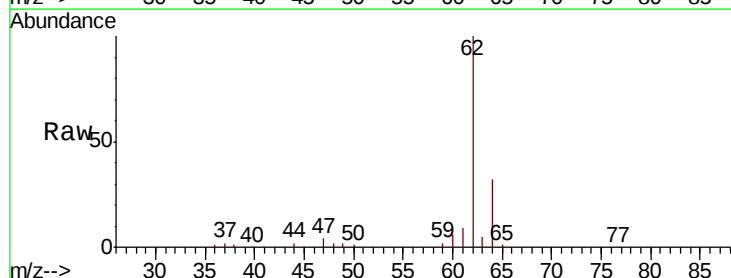
Acq: 07 Aug 2018 08:55

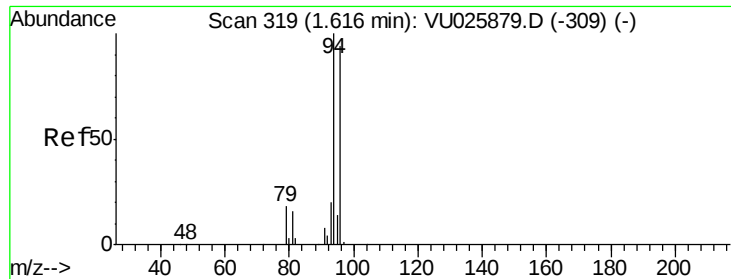
Tgt Ion: 62 Resp: 121893

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 45.56 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

ClientSampled :

FL-0536MS

Tot Ion: 94 Resp: 58365

Ion Ratio Lower Upper

94 100

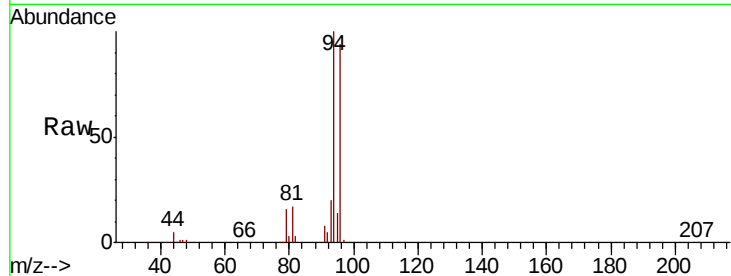
96 94.4 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU025929.D (-227) (-)

Ion 95.90 (95.60 to 96.60): VU025929.D (-227) (-)

1.63

50000

40000

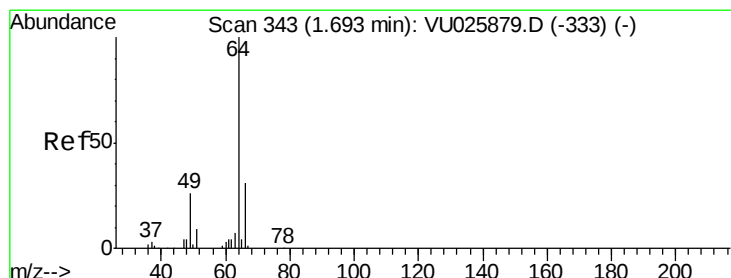
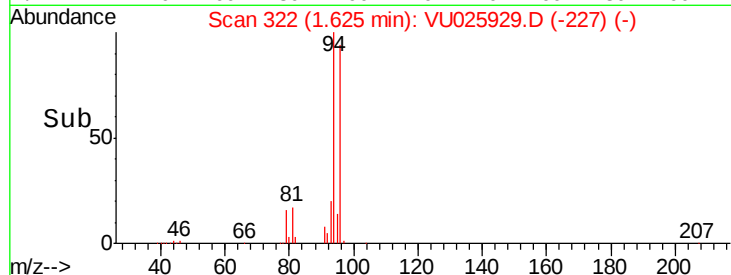
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 47.06 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025929.D

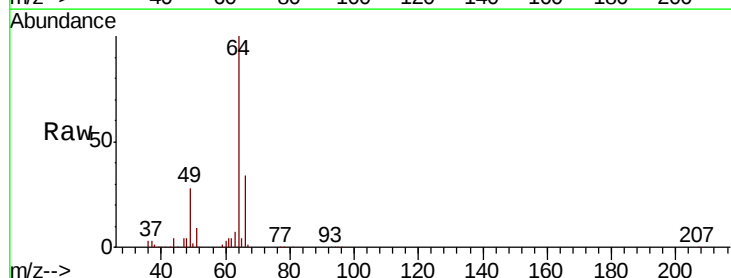
Acq: 07 Aug 2018 08:55

Tgt Ion: 64 Resp: 72183

Ion Ratio Lower Upper

64 100

66 34.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025929.D (-250) (-)

Ion 65.90 (65.60 to 66.60): VU025929.D (-250) (-)

1.70

60000

50000

40000

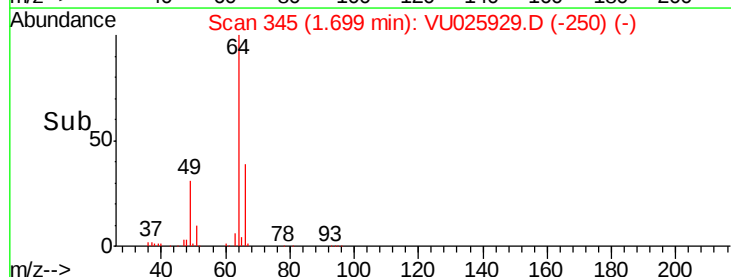
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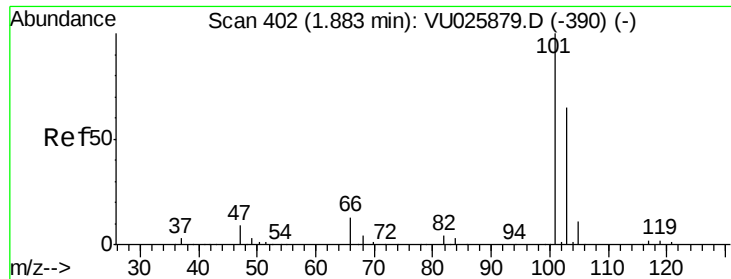
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10000

0

Time-->





#7

Trichlorofluoromethane

Concen: 48.91 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.01 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

ClientSampled :

FL-0536MS

Tot Ion:101 Resp: 185515

Ion Ratio Lower Upper

101 100

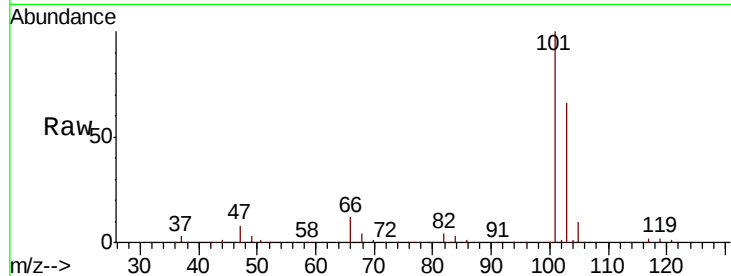
103 66.3 52.2 78.2

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.89

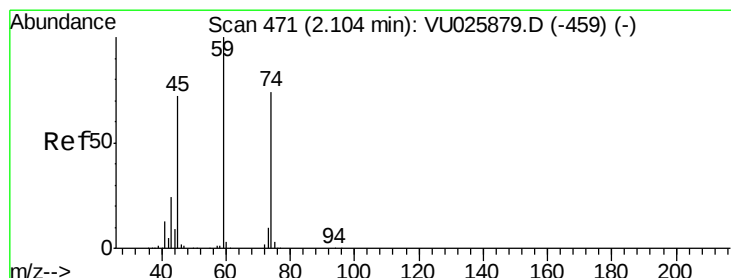
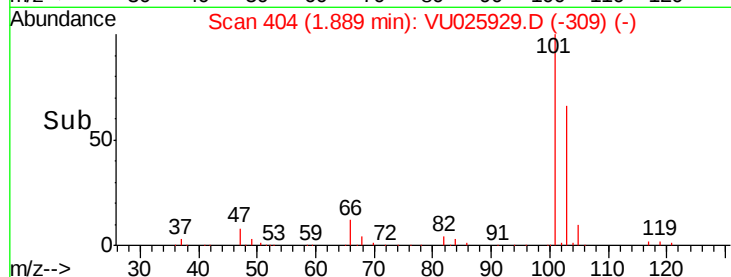
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 50.33 ug/l

RT: 2.10 min Scan# 471

Delta R.T. -0.00 min

Lab File: VU025929.D

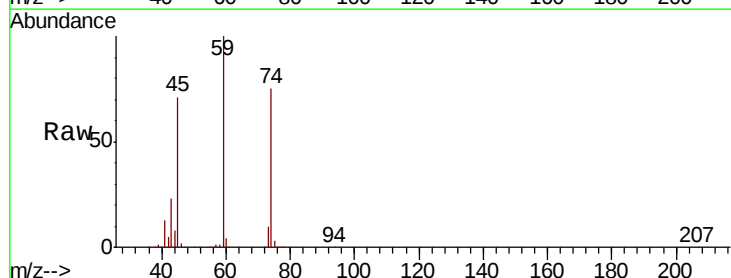
Acq: 07 Aug 2018 08:55

Tgt Ion: 74 Resp: 69064

Ion Ratio Lower Upper

74 100

45 94.2 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

2.10

50000

40000

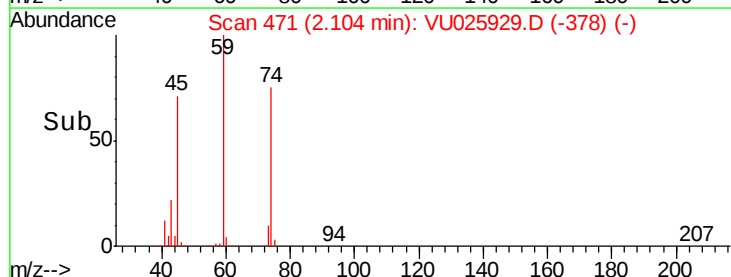
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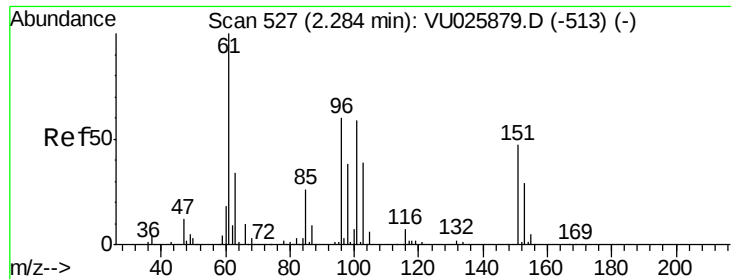
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10000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.98 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.01 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

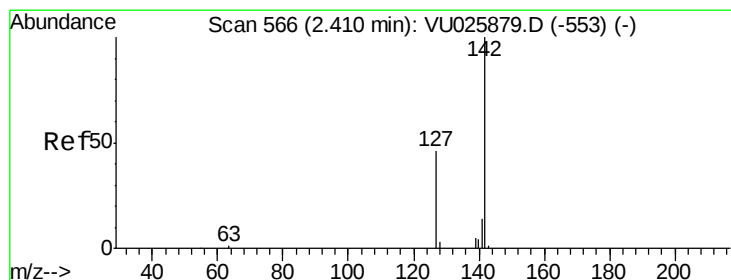
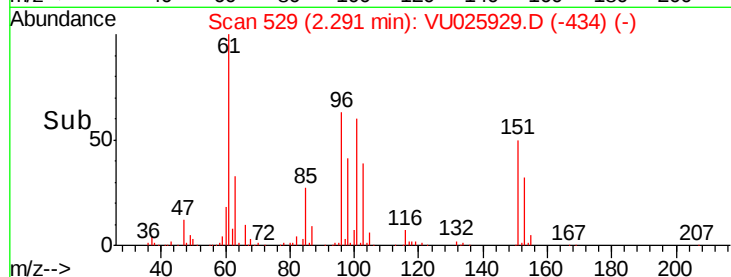
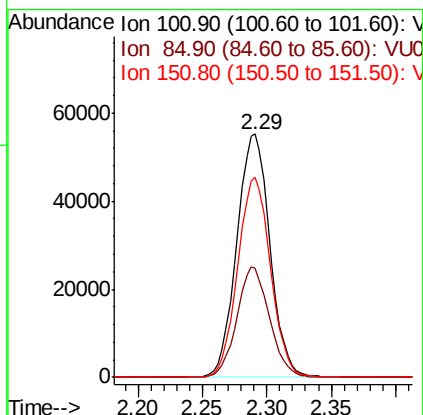
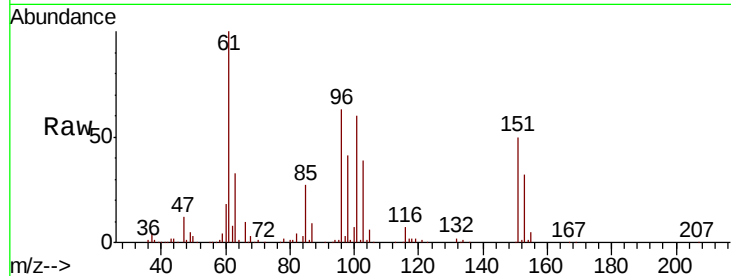
ClientSampleId :

FL-0536MS

Tot Ion:	101	Resp:	98727
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.0	54.0
151	81.6	65.6	98.4

Manual Integrations
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8/7/2018 1:51:50 PM



#10

Methyl Iodide

Concen: 30.02 ug/l

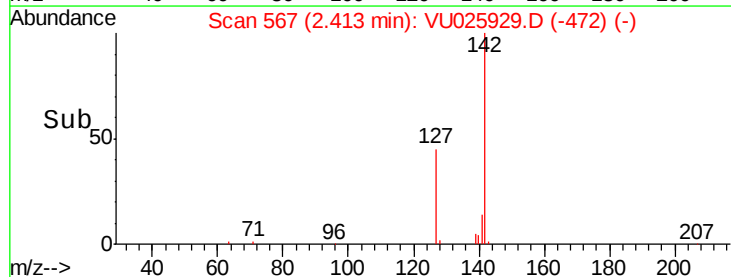
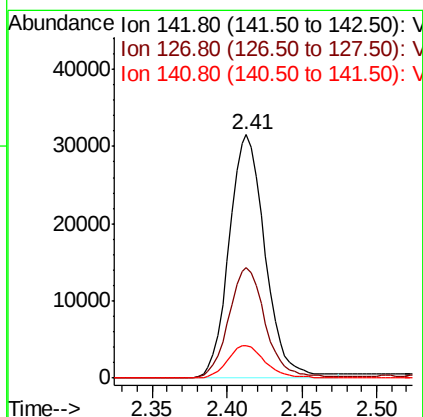
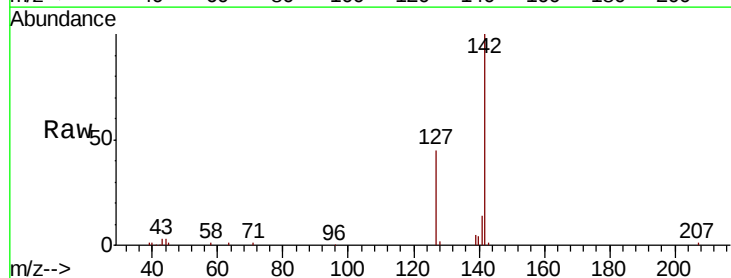
RT: 2.41 min Scan# 567

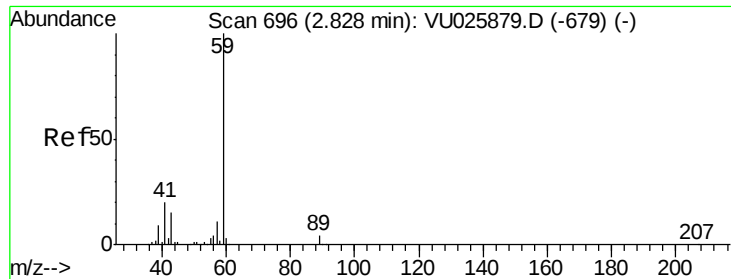
Delta R.T. 0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Tgt Ion:	142	Resp:	52973
Ion Ratio	Lower	Upper	
142	100		
127	46.1	36.5	54.7
141	13.9	11.4	17.2





#11

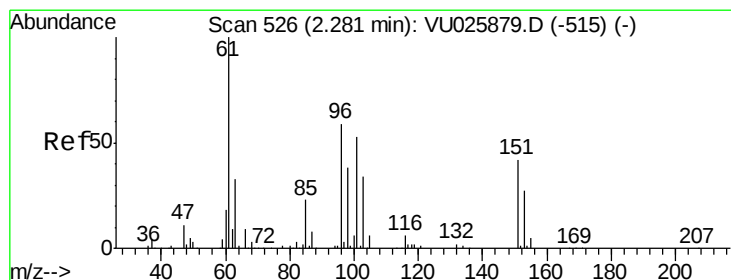
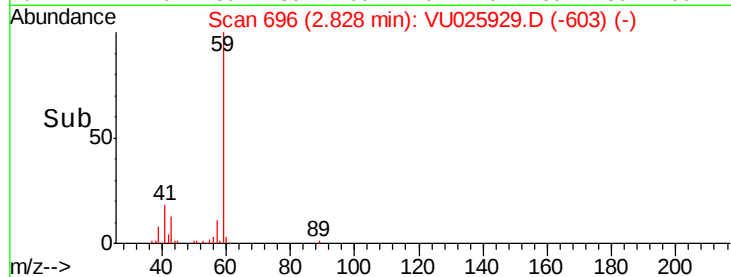
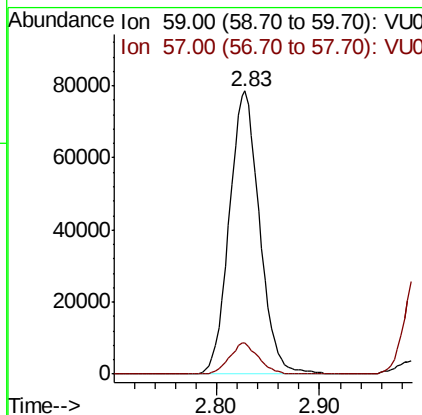
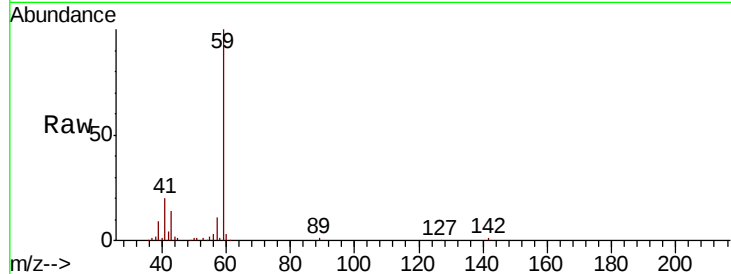
Tert butyl alcohol
Concen: 244.04 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Instrument :
MSVOA_U
ClientSampleId :
FL-0536MS

Tot Ion	59	Resp	160632
Ion Ratio	100	Lower	Upper
57	10.6	8.2	12.2

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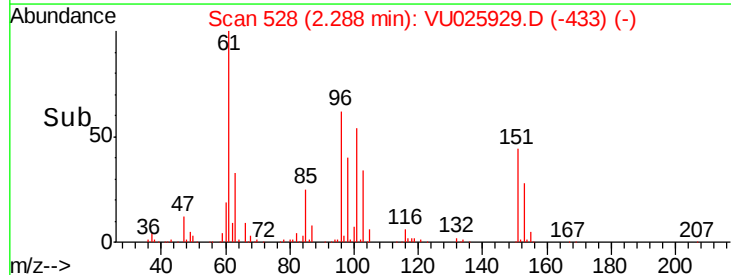
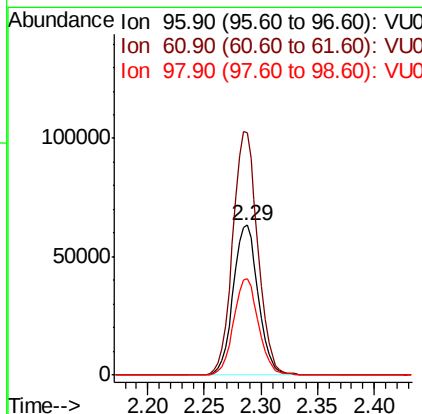
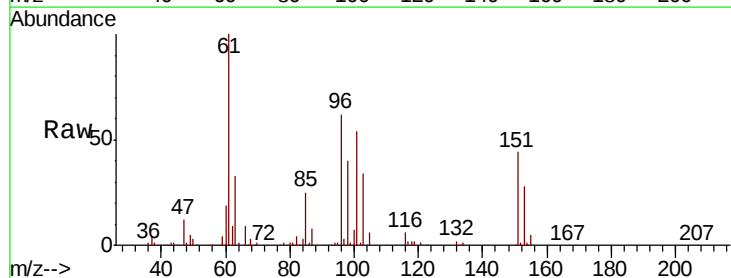
MMDadoda
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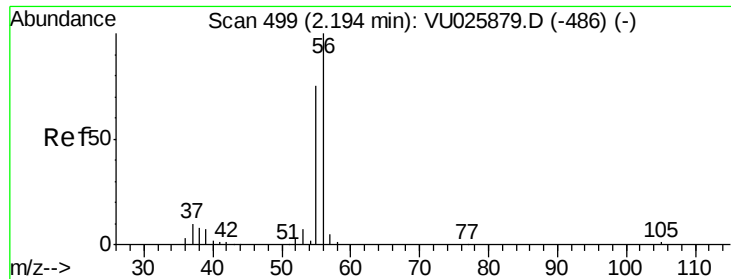


#12

1,1-Dichloroethene
Concen: 47.24 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.01 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Tgt Ion	96	Resp	97876
Ion Ratio	100	Lower	Upper
61	161.6	140.2	210.4
98	64.5	49.3	73.9





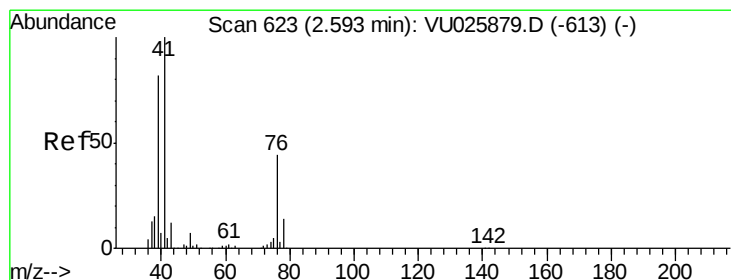
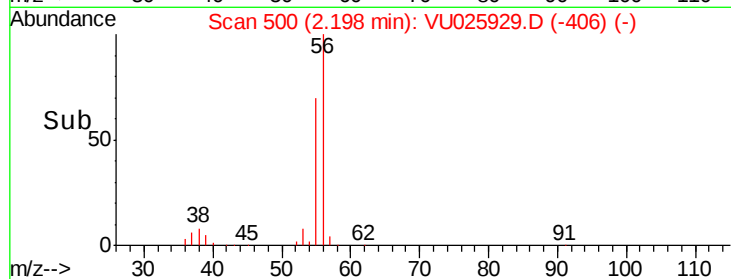
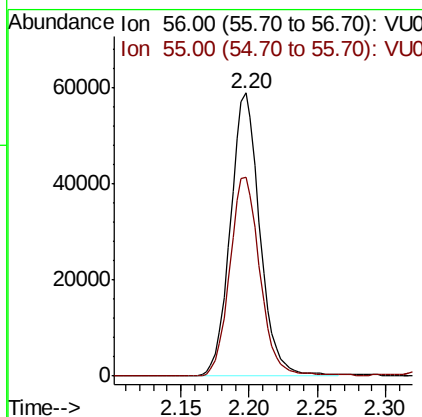
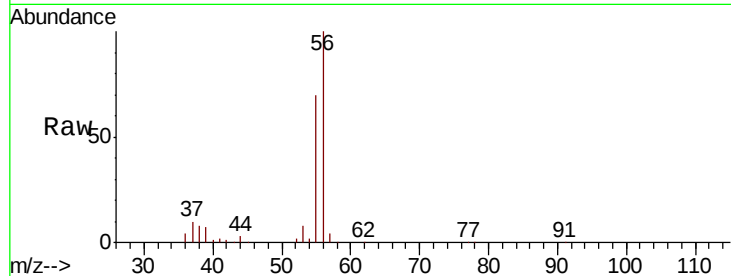
#13
Acrolein
Concen: 371.17 ug/l
RT: 2.20 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Instrument :
MSVOA_U
ClientSampleId :
FL-0536MS

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.1	57.2	85.8

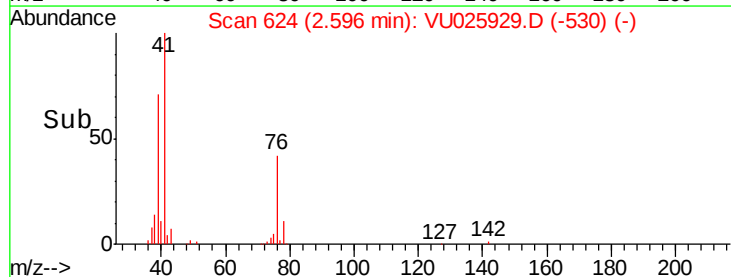
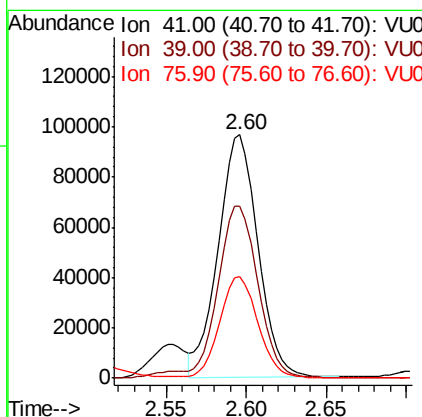
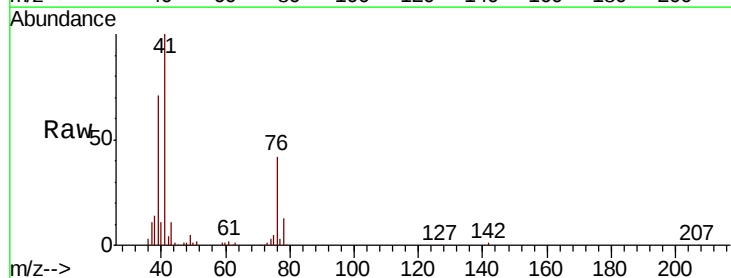
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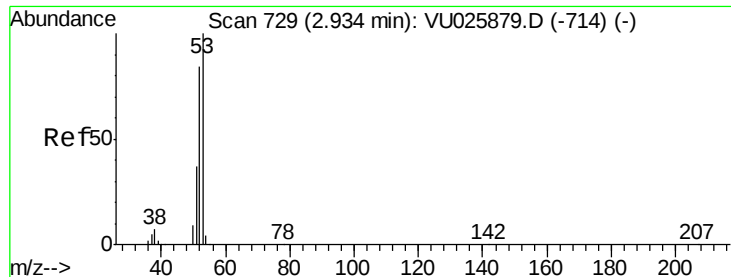
MMDadoda
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#14
Allyl chloride
Concen: 44.17 ug/l
RT: 2.60 min Scan# 624
Delta R.T. 0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Tgt Ion	Ratio	Lower	Upper
41	100		
39	73.4	60.6	91.0
76	40.3	30.5	45.7





#15

Acrylonitrile

Concen: 257.88 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

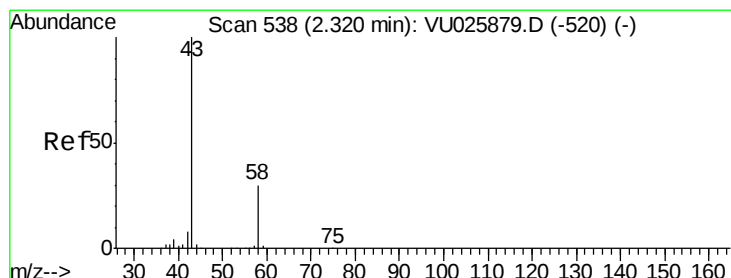
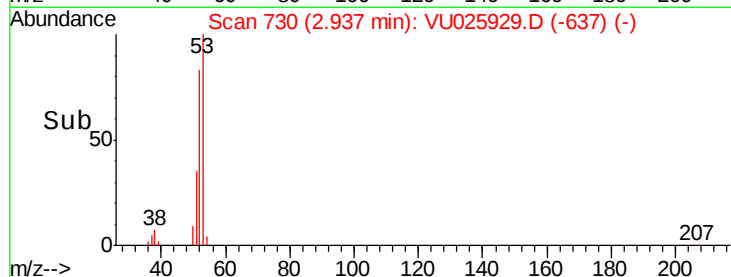
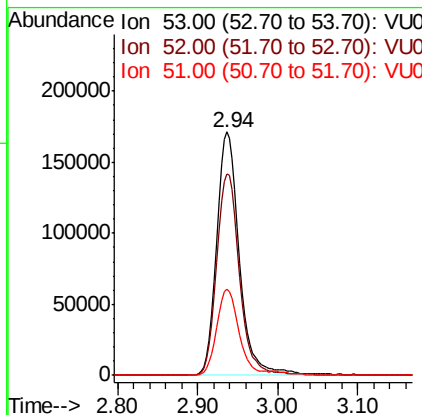
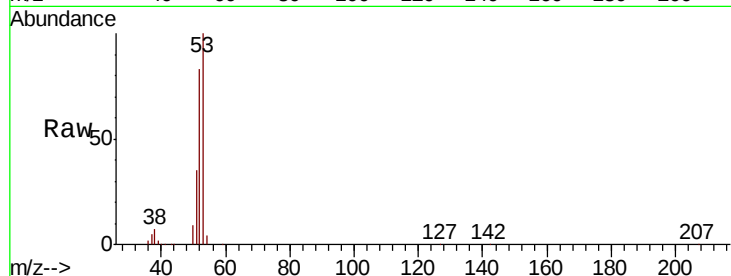
ClientSampleId :

FL-0536MS

Tot Ion:	53	Resp:	338901
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.6	99.8
51	34.9	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 244.64 ug/l

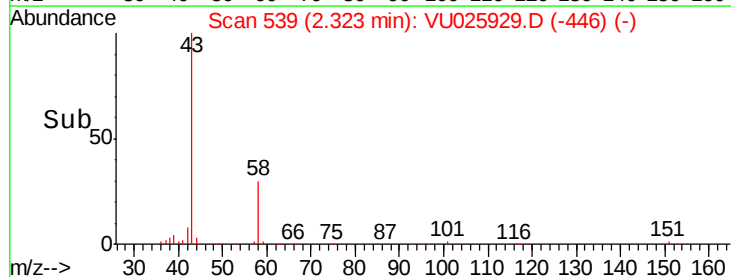
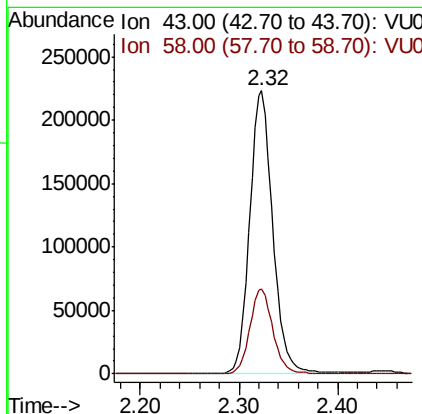
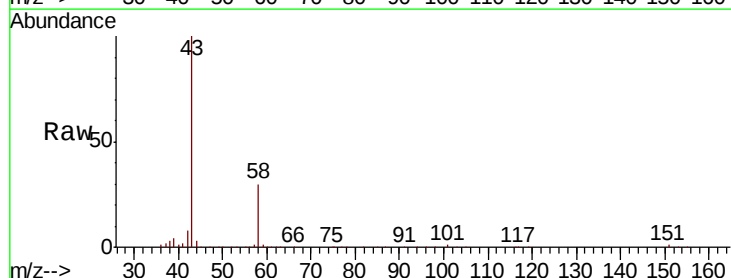
RT: 2.32 min Scan# 539

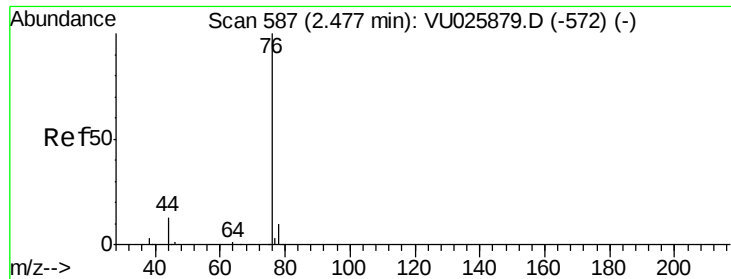
Delta R.T. 0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Tgt Ion:	43	Resp:	358582
Ion	Ratio	Lower	Upper
43	100		
58	30.1	23.1	34.7





#17

Carbon Disulfide

Concen: 47.35 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

ClientSampleId :

FL-0536MS

Tot Ion: 76 Resp: 317493

Ion Ratio Lower Upper

76 100

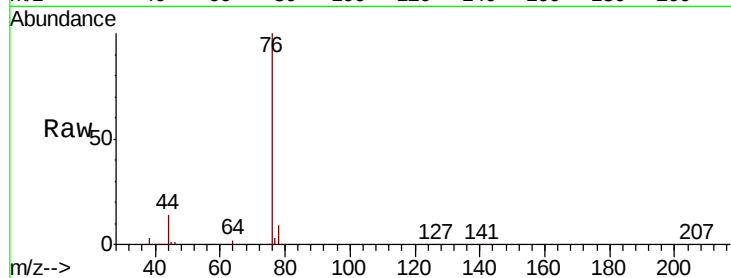
78 9.1 7.4 11.2

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

200000

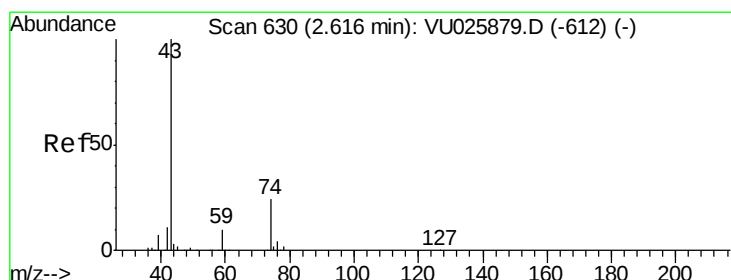
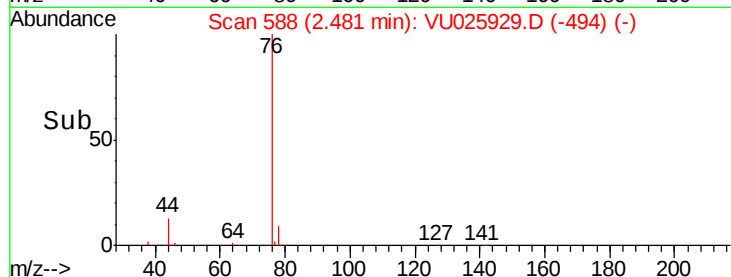
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 36.68 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025929.D

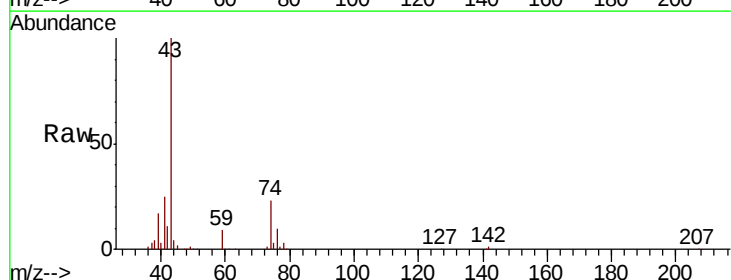
Acq: 07 Aug 2018 08:55

Tgt Ion: 43 Resp: 129390

Ion Ratio Lower Upper

43 100

74 23.8 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

80000

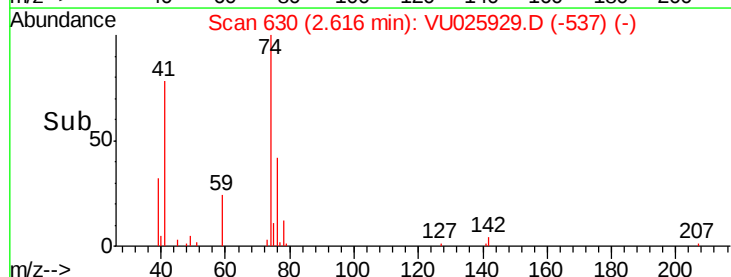
60000

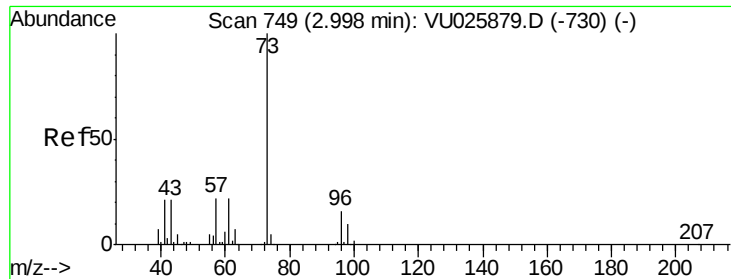
40000

20000

0

Time-->





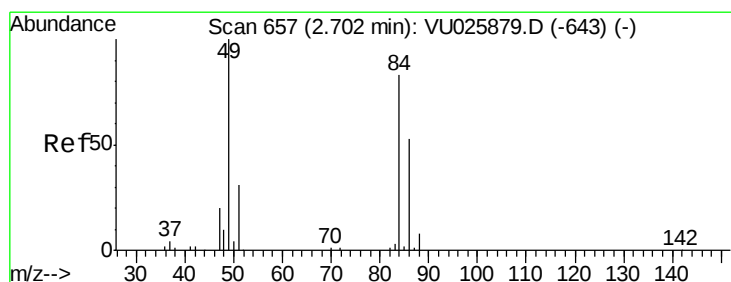
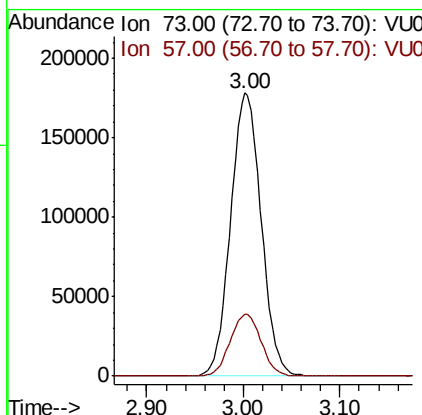
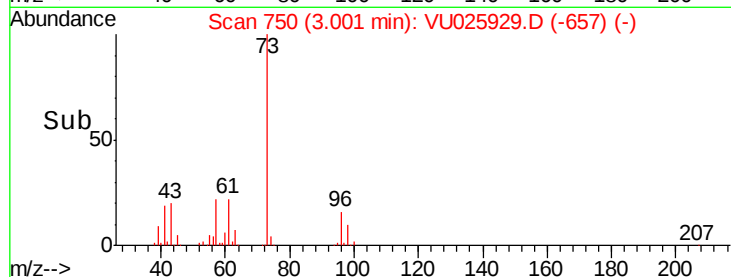
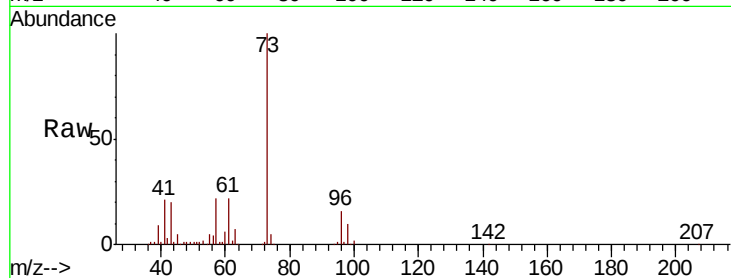
#19
Methvl tert-butvl Ether
Concen: 52.04 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Instrument :
MSVOA_U
ClientSampleId :
FL-0536MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2

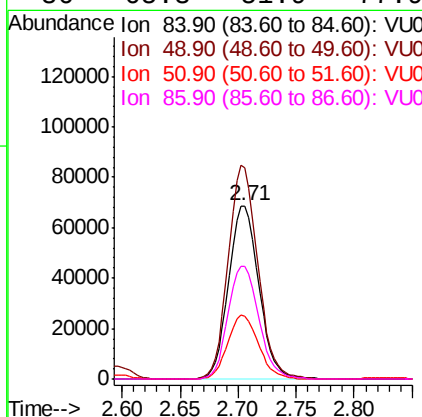
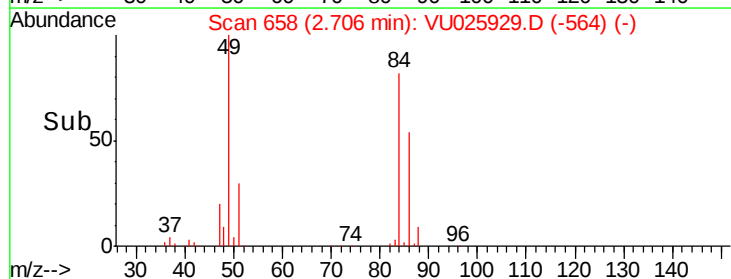
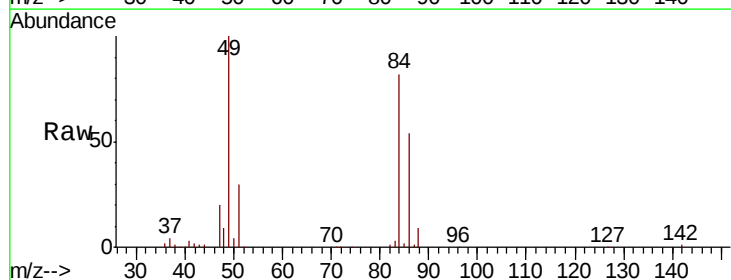
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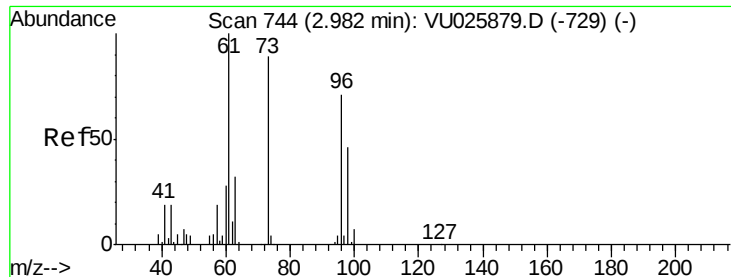
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#20
Methylene Chloride
Concen: 47.76 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.9	101.8	152.6
51	36.2	30.8	46.2
86	65.3	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 49.27 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

ClientSampleId :

FL-0536MS

Tot Ion: 96 Resp: 117992

Ion Ratio Lower Upper

96 100

61 146.5 114.5 171.7

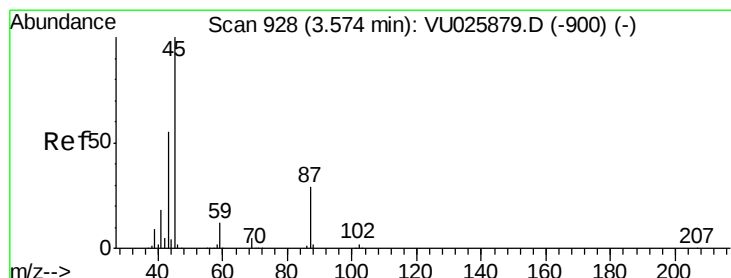
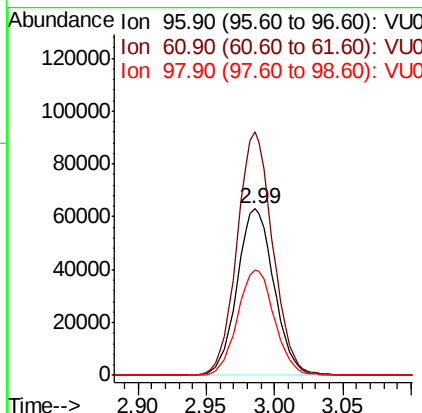
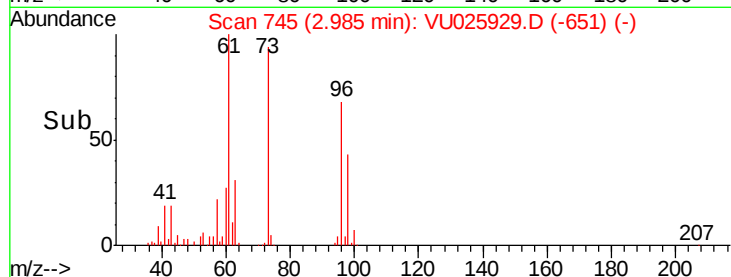
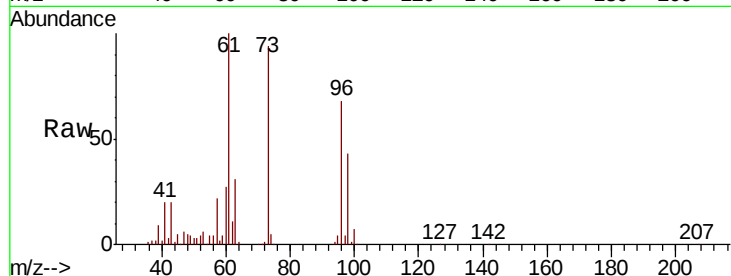
98 63.4 50.5 75.7

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#22

Diisopropyl ether

Concen: 51.96 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Tgt Ion: 45 Resp: 381227

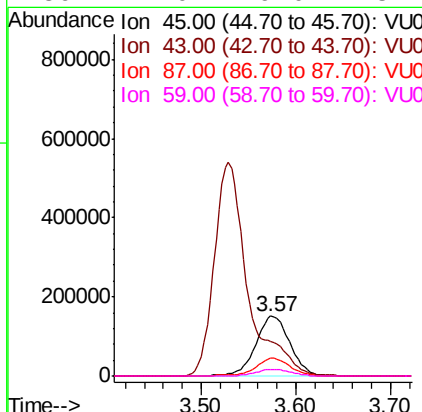
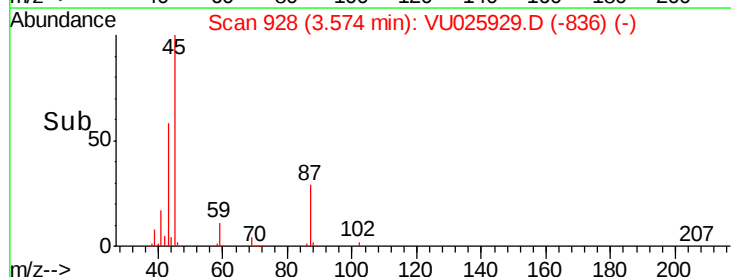
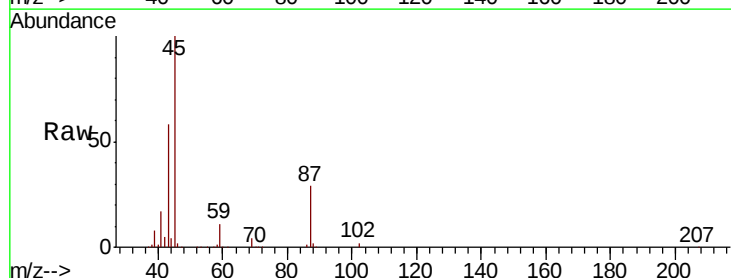
Ion Ratio Lower Upper

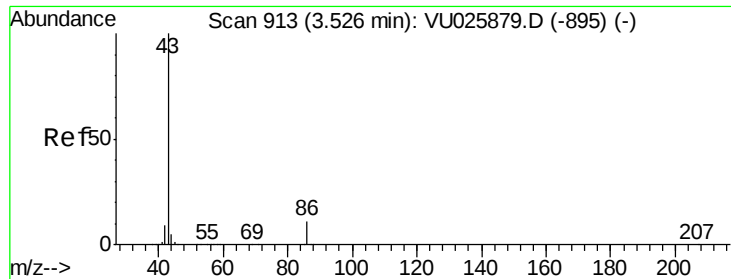
45 100

43 57.2 50.9 76.3

87 29.2 23.8 35.8

59 11.0 9.0 13.4





#23

Vinyl Acetate

Concen: 208.90 ug/l

RT: 3.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

ClientSampleId :

FL-0536MS

Tot Ion: 43 Resp: 1335650

Ion Ratio Lower Upper

43 100

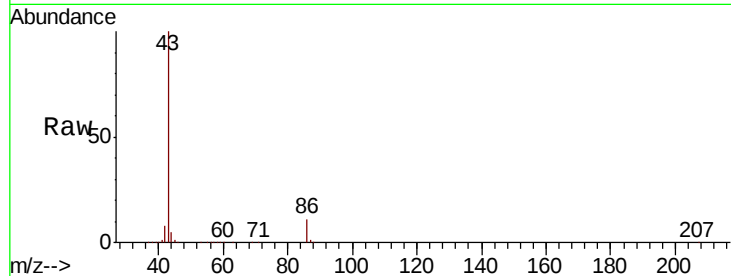
86 10.6 8.2 12.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU025879.D (-895) (-)

Ion 86.00 (85.70 to 86.70): VU025879.D (-895) (-)

3.53

600000

500000

400000

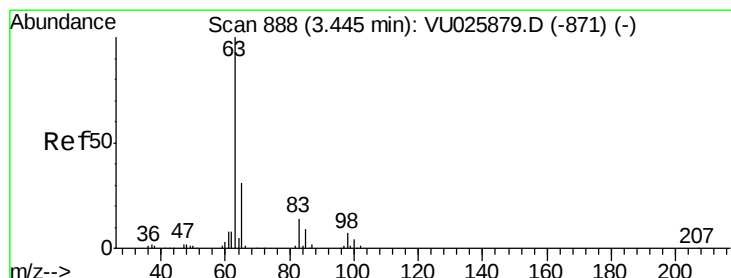
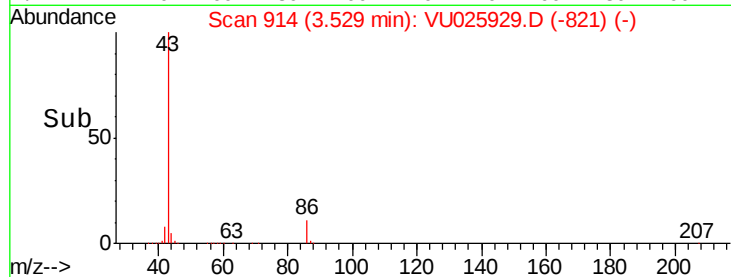
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.61 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

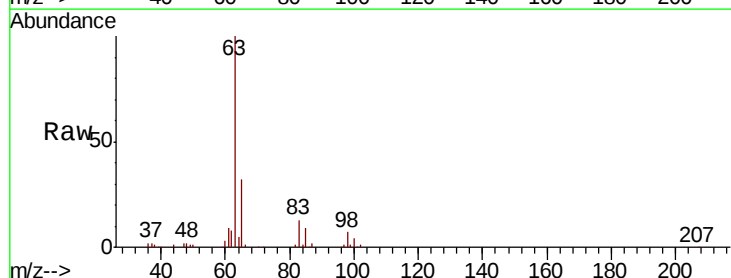
Tgt Ion: 63 Resp: 222909

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU025879.D (-871) (-)

Ion 97.90 (97.60 to 98.60): VU025879.D (-871) (-)

Ion 99.90 (99.60 to 100.60): VU025879.D (-871) (-)

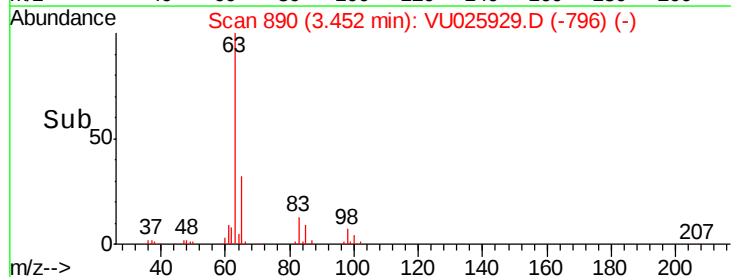
3.45

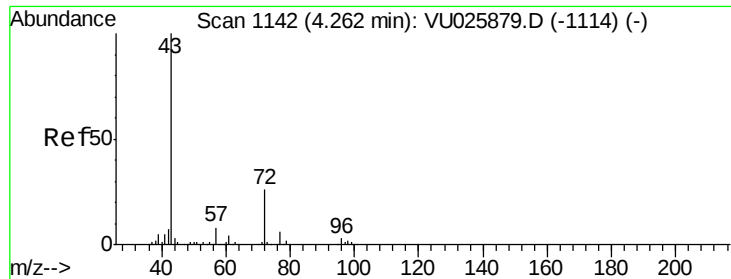
100000

50000

0

Time-->





#25

2-Butanone

Concen: 299.53 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

ClientSampled :

FL-0536MS

Tot Ion: 43 Resp: 597643

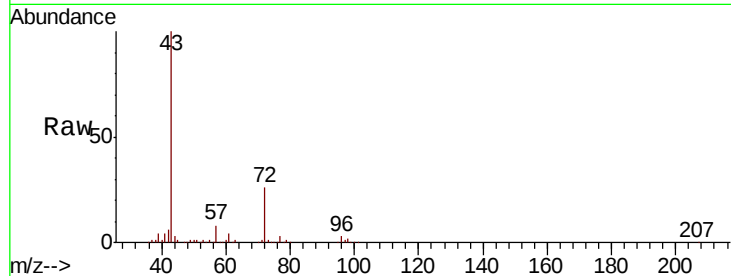
Ion Ratio Lower Upper

43 100

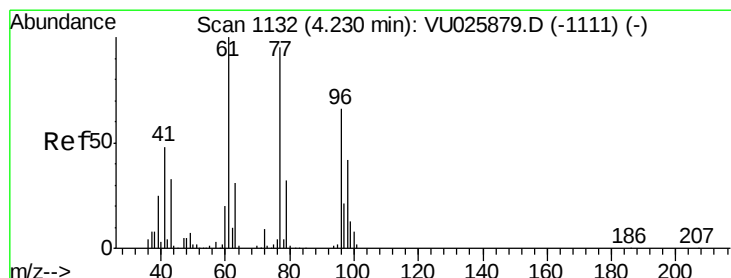
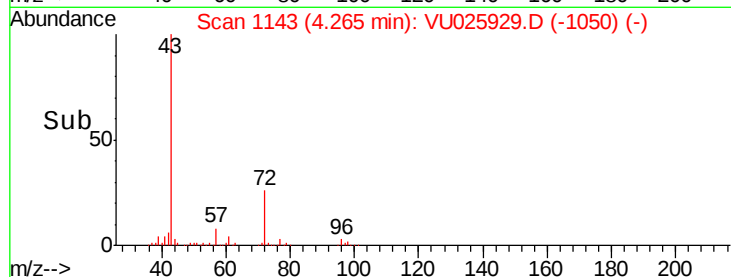
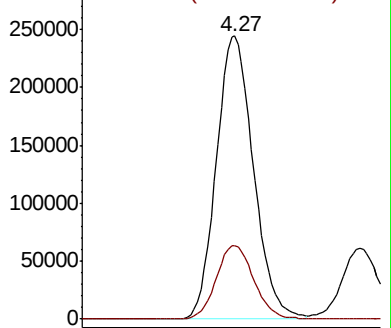
72 26.0 21.0 31.4

Manual Integrations
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8/7/2018 1:51:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VU025879.D (-1114) (-)



#26

2,2-Dichloropropane

Concen: 25.12 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025929.D

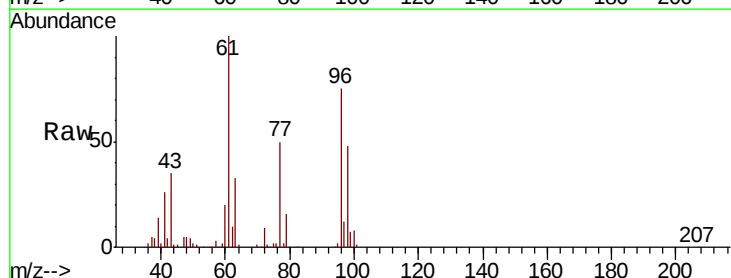
Acq: 07 Aug 2018 08:55

Tgt Ion: 77 Resp: 100565

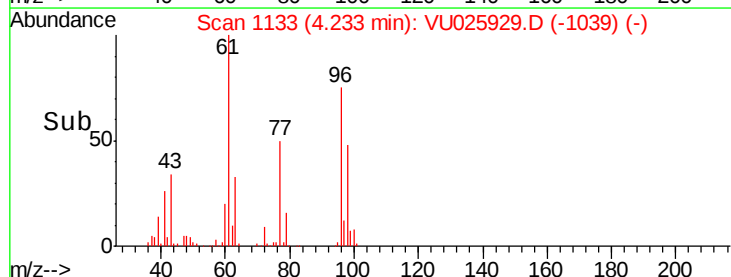
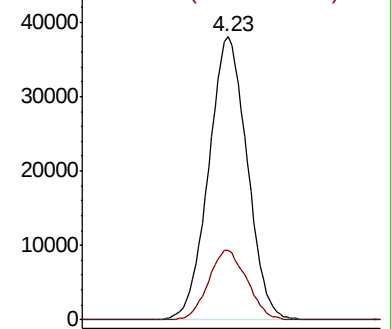
Ion Ratio Lower Upper

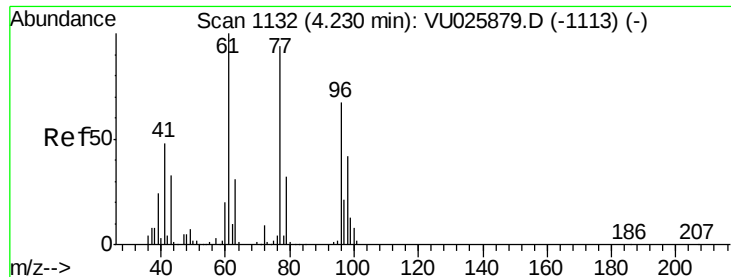
77 100

97 24.6 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU025879.D (-1111) (-)





#27

cis-1,2-Dichloroethene

Concen: 50.53 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

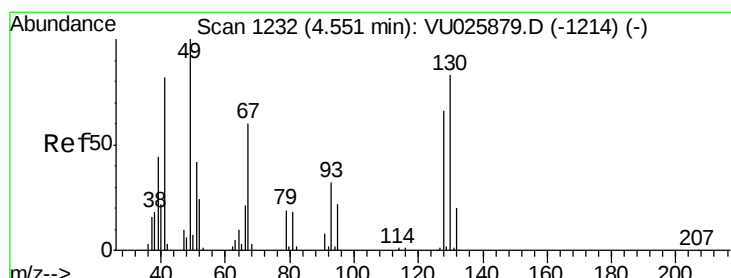
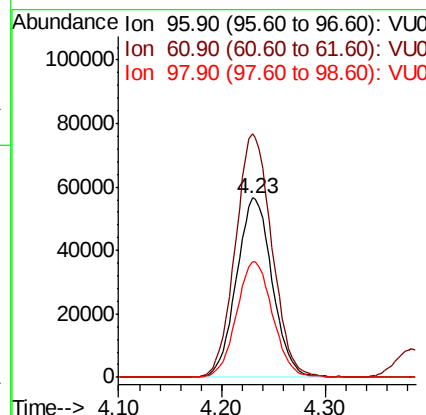
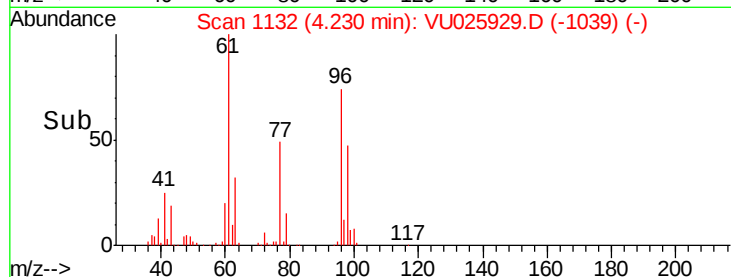
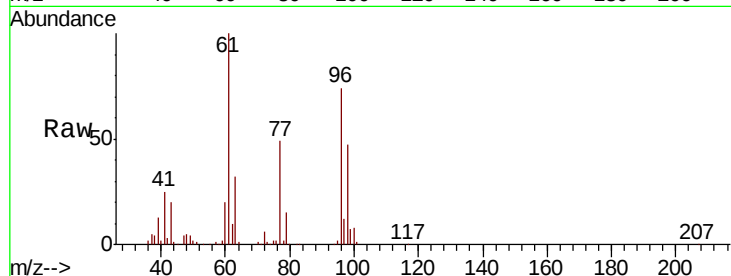
ClientSampled :

FL-0536MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	138.0	0.0	299.8		
98	65.2	0.0	128.6		

Manual Integrations
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MMDadoda
8/7/2018 1:51:50 PM



#28

Bromochloromethane

Concen: 51.43 ug/l

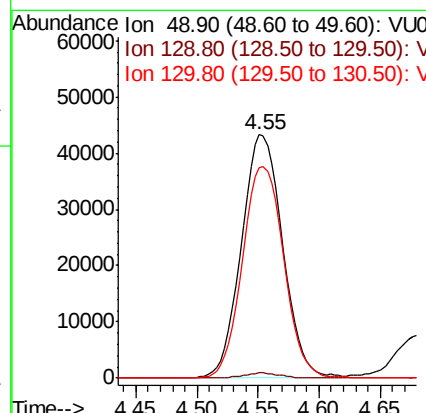
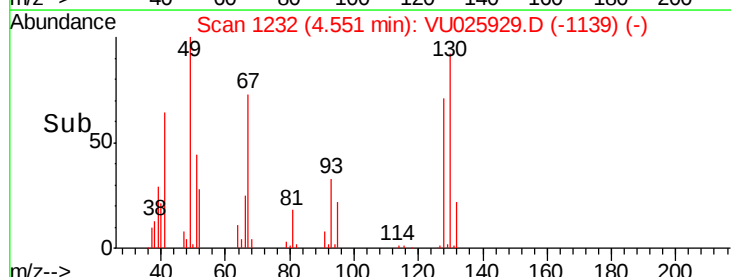
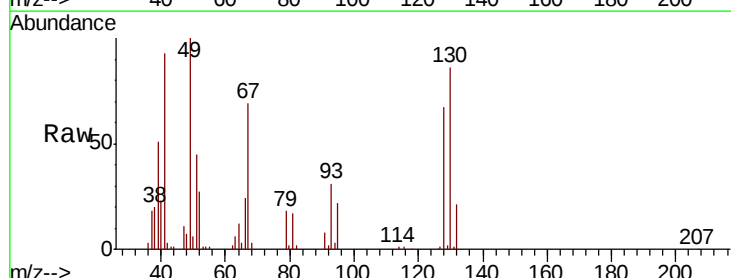
RT: 4.55 min Scan# 1232

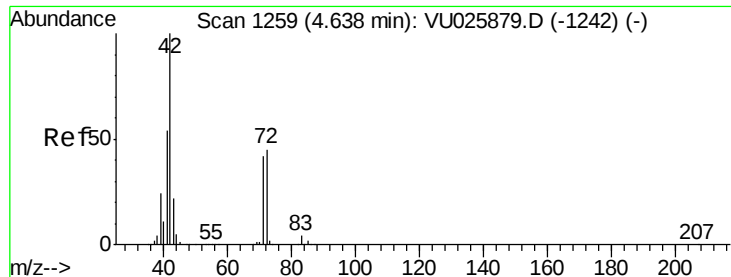
Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	1.9	0.0	4.6		
130	87.4	68.6	102.8		





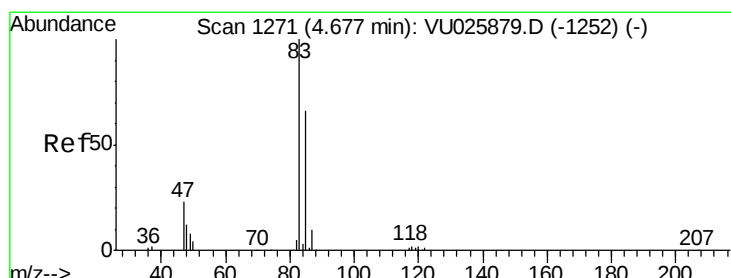
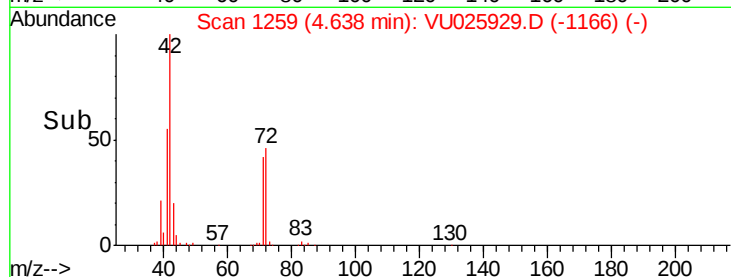
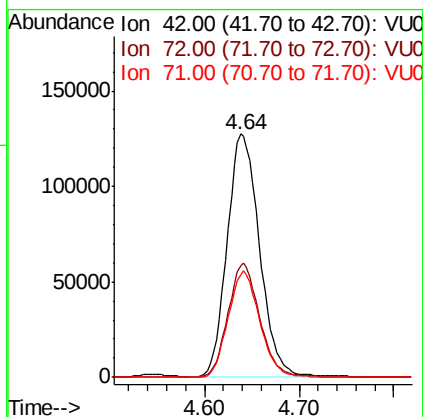
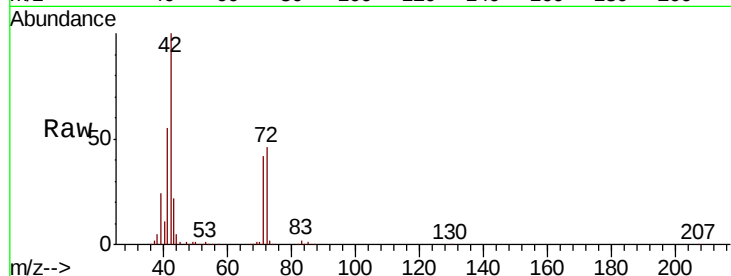
#29
Tetrahydrofuran
Concen: 253.31 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Instrument :
MSVOA_U
ClientSampled :
FL-0536MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	36.7	55.1
71	42.7	33.9	50.9

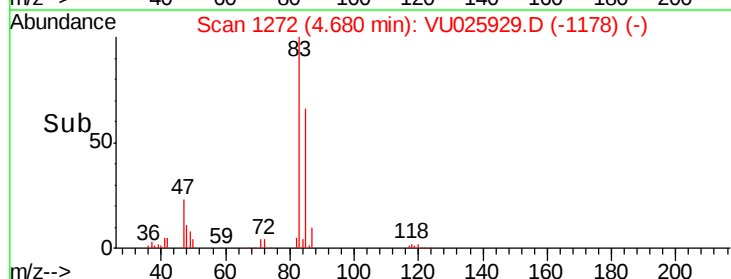
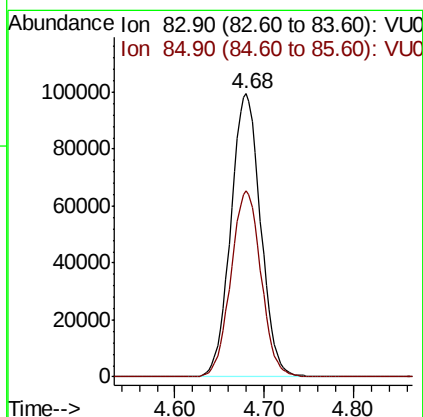
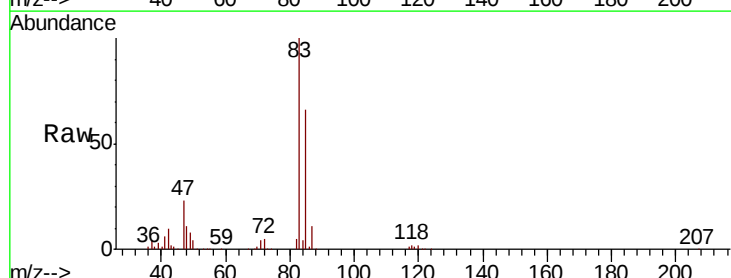
Manual Integrations
APPROVED

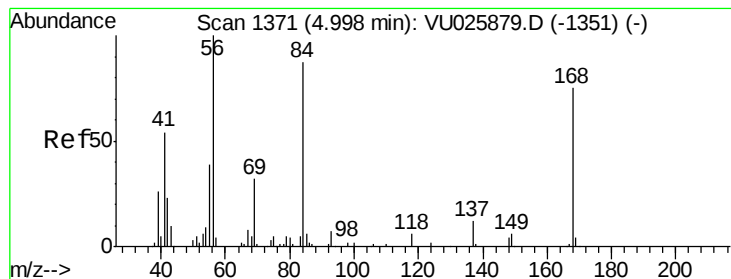
MMDadoda
8/7/2018 1:51:50 PM



#30
Chloroform
Concen: 49.58 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3





#31

Cyclohexane

Concen: 50.59 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

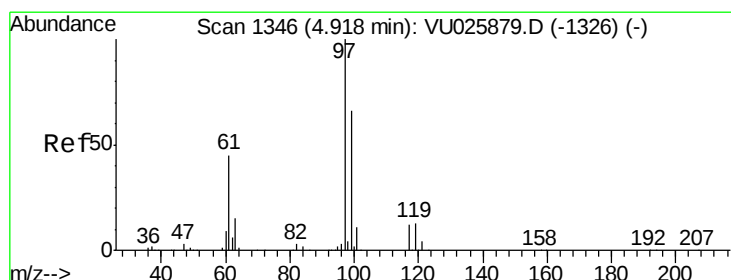
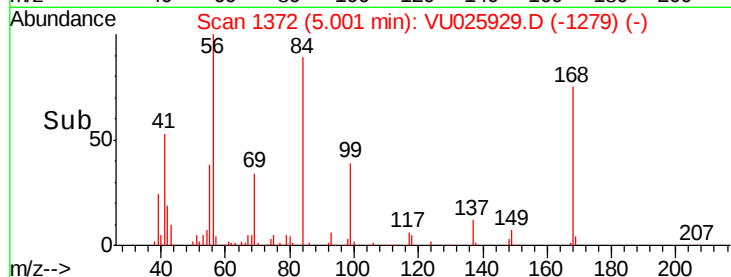
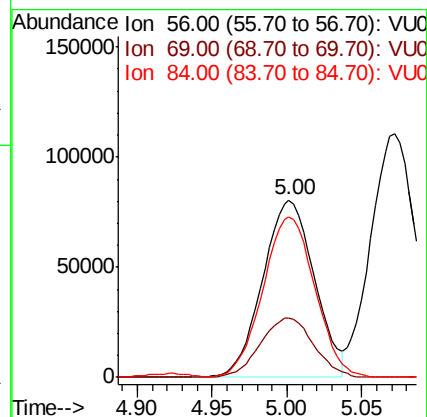
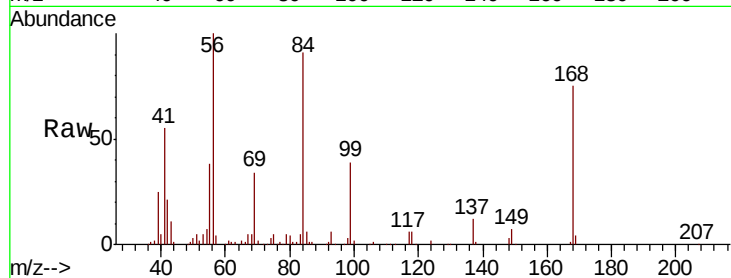
ClientSampled :

FL-0536MS

Tot Ion:	56	Resp:	193743
Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.8	40.2
84	89.8	69.7	104.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.22 ug/l

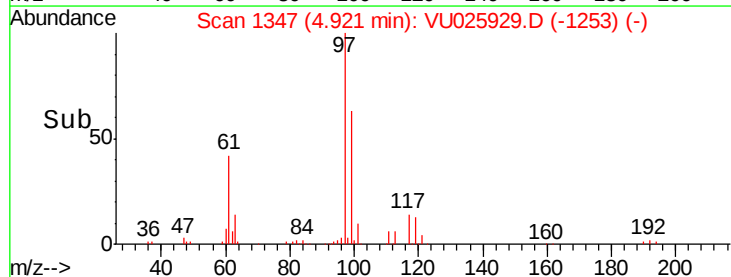
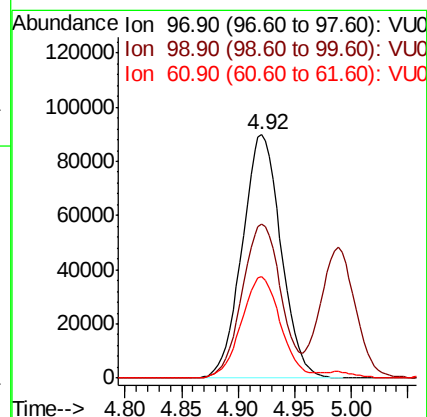
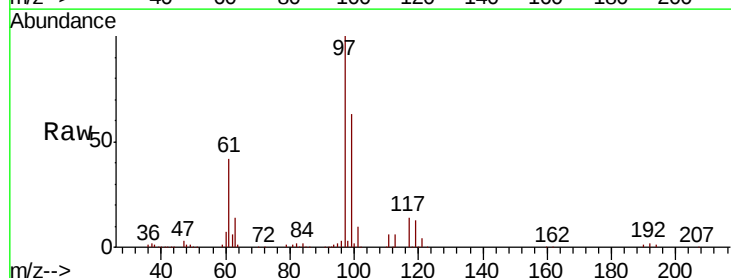
RT: 4.92 min Scan# 1347

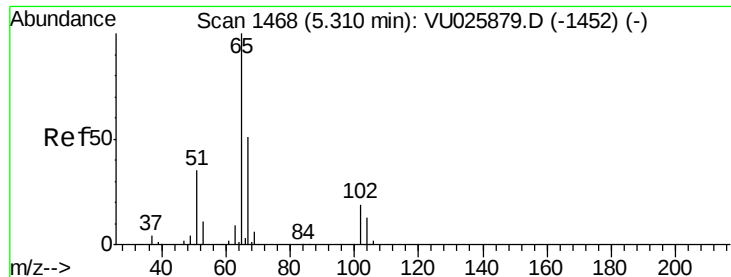
Delta R.T. 0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Tgt Ion:	97	Resp:	214369
Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.8	76.2
61	42.1	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 49.42 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

ClientSampleId :

FL-0536MS

Tot Ion: 65 Resp: 148566

Ion Ratio Lower Upper

65 100

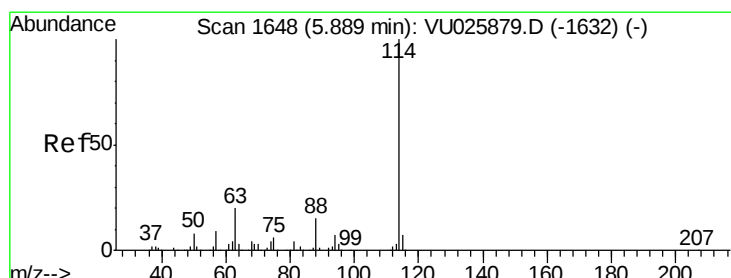
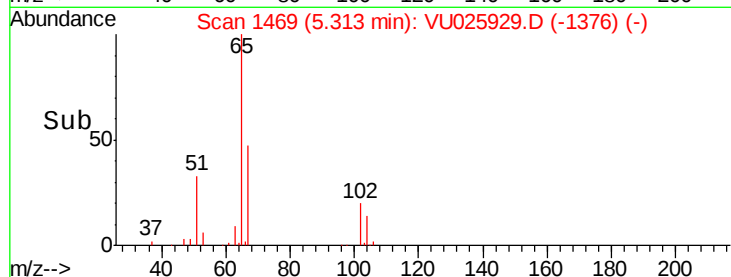
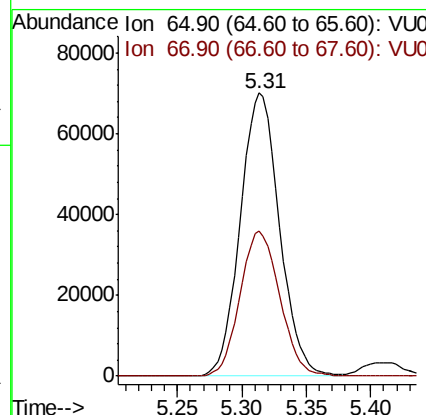
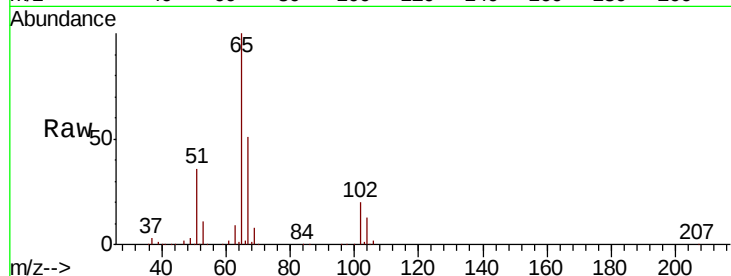
67 52.0 0.0 103.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

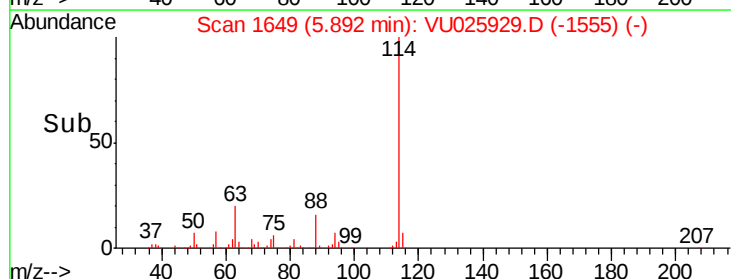
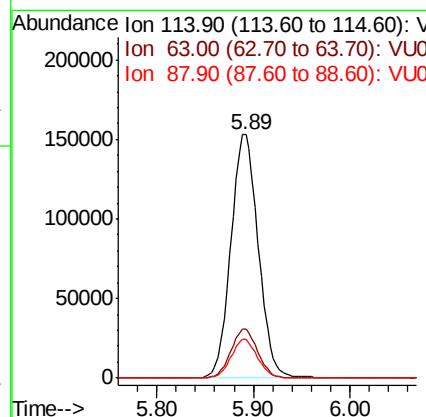
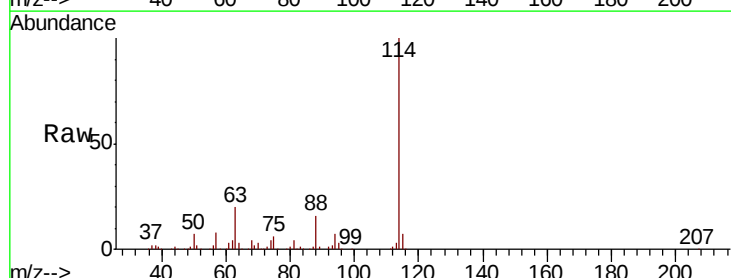
Tgt Ion: 114 Resp: 301429

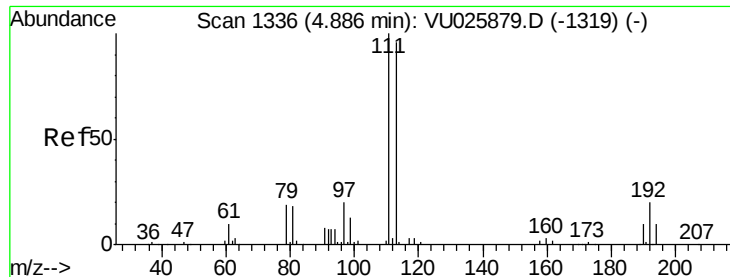
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.6

88 15.9 0.0 32.4





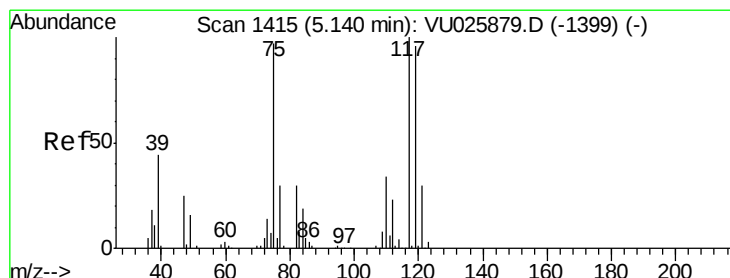
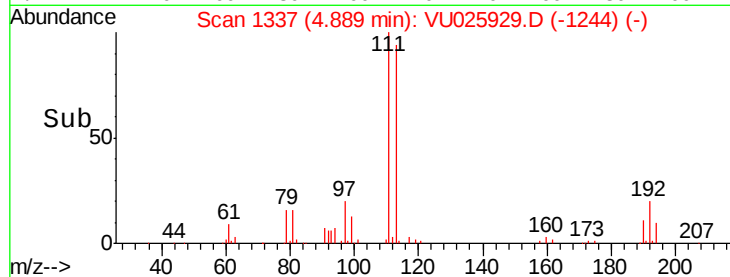
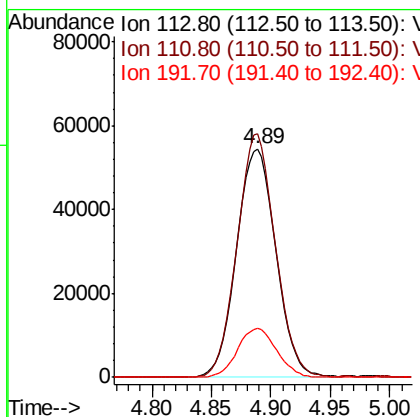
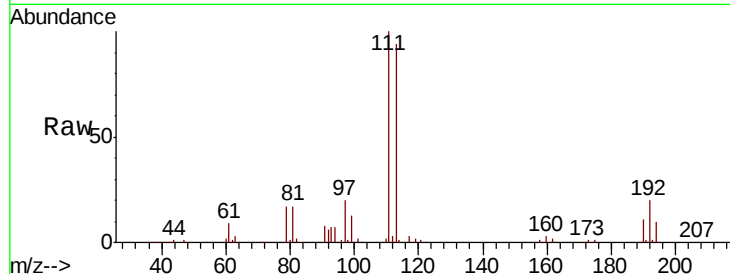
#35
 Dibromofluoromethane
 Concen: 47.61 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VU025929.D
 Acq: 07 Aug 2018 08:55

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0536MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	124827		
111	103.4	81.7	122.5	
192	21.4	17.1	25.7	

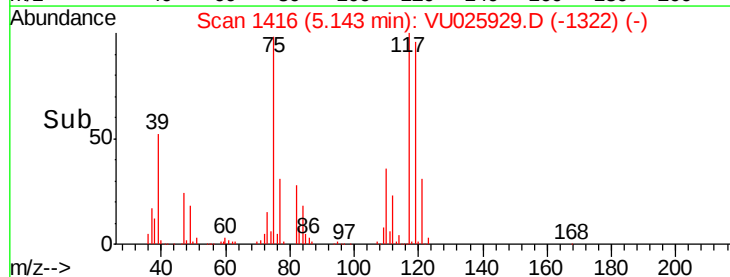
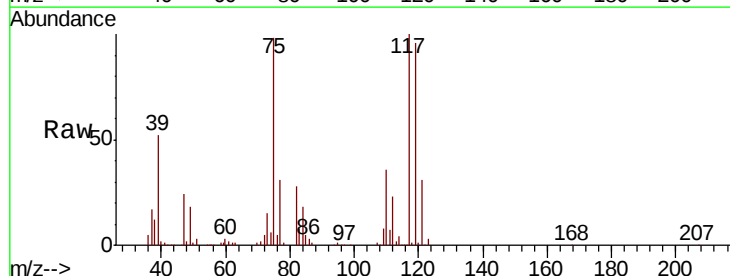
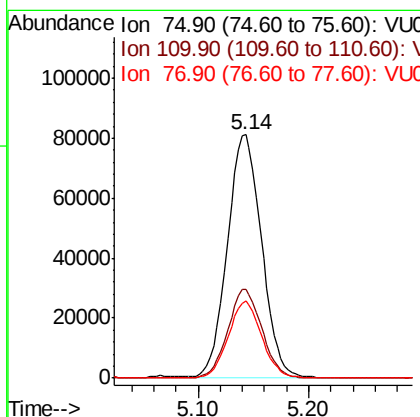
Manual Integrations
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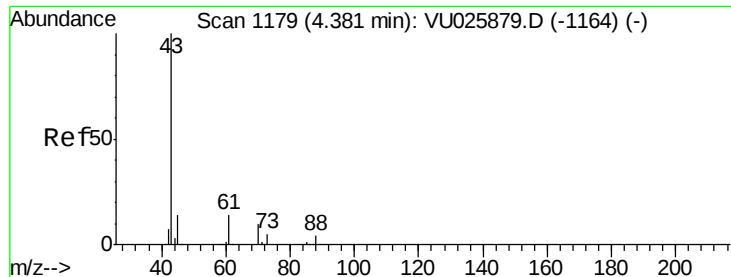
MMDadoda
 8/7/2018 1:51:50 PM



#36
 1,1-Dichloropropene
 Concen: 49.52 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU025929.D
 Acq: 07 Aug 2018 08:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	174457		
110	36.4	17.6	52.9	
77	31.0	24.4	36.6	





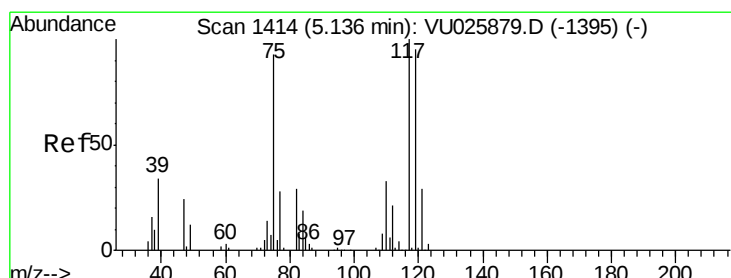
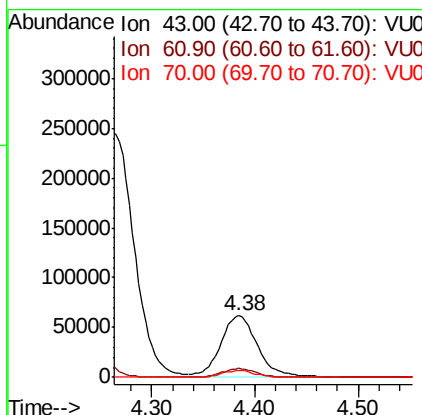
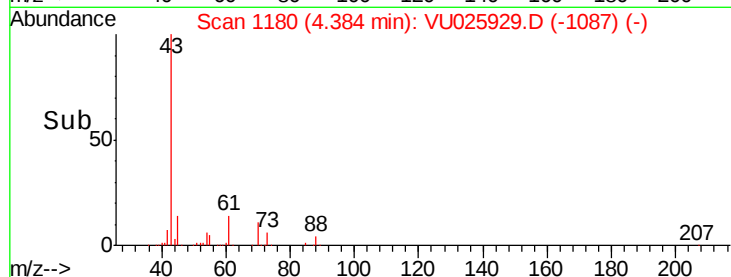
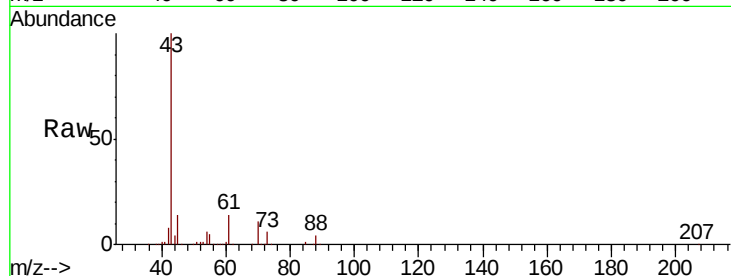
#37
Ethyl Acetate
Concen: 41.42 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Instrument :
MSVOA_U
ClientSampleId :
FL-0536MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.7	16.1
70	10.4	8.4	12.6

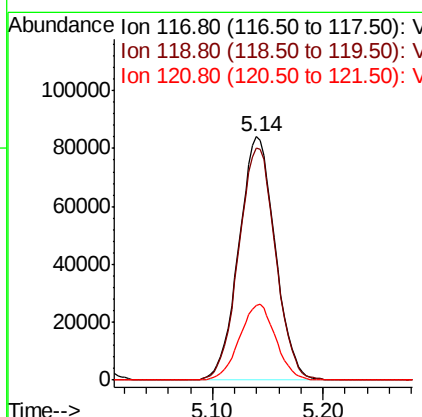
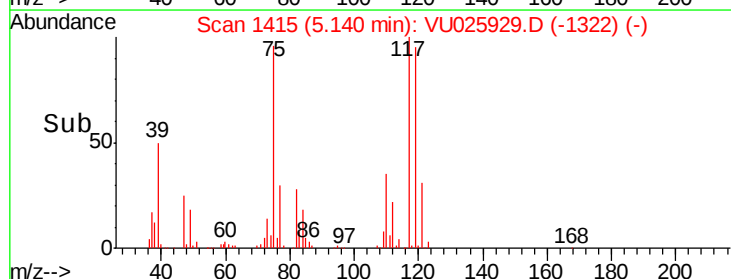
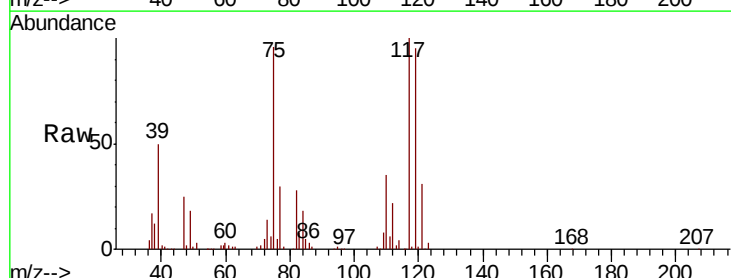
Manual Integrations
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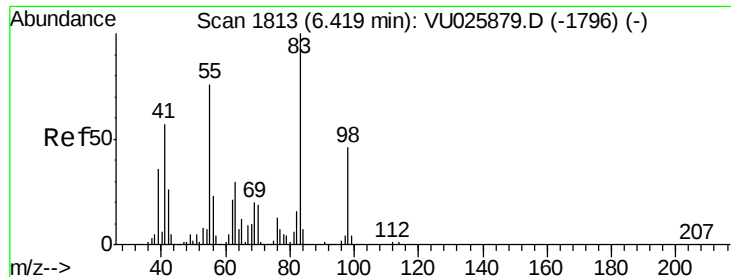
MMDadoda
8/7/2018 1:51:50 PM



#38
Carbon Tetrachloride
Concen: 48.06 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.7	113.5
121	30.8	24.6	36.8





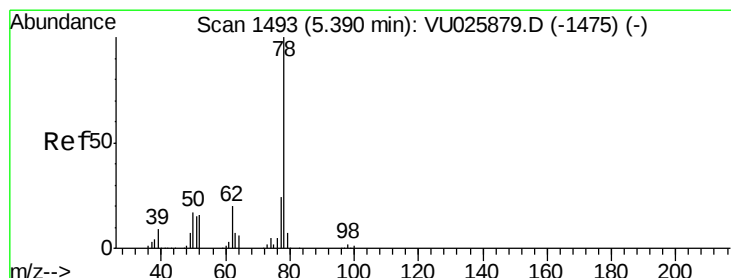
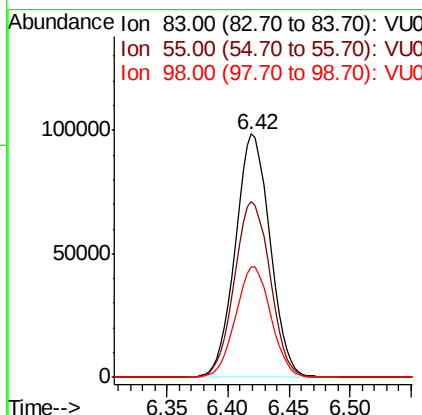
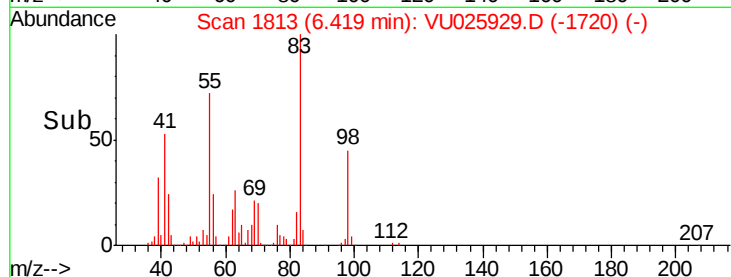
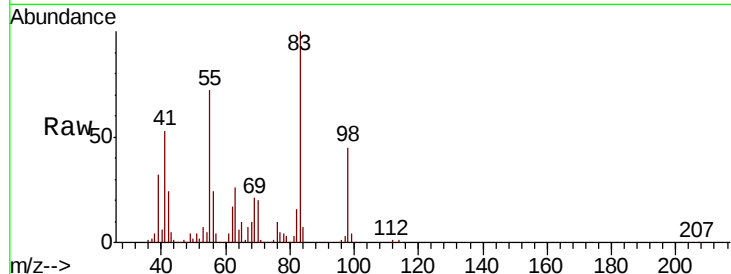
#39
Methvlcvclohexane
Concen: 48.24 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Instrument :
MSVOA_U
ClientSampled :
FL-0536MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	194710		
55	72.4	60.0	90.0	
98	45.5	36.1	54.1	

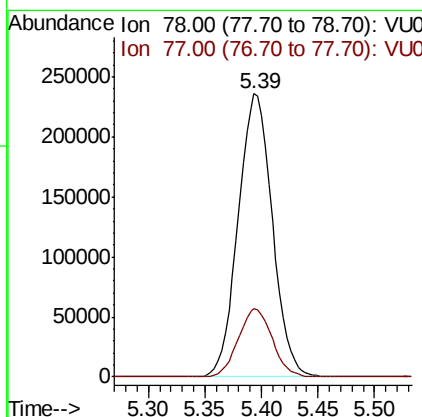
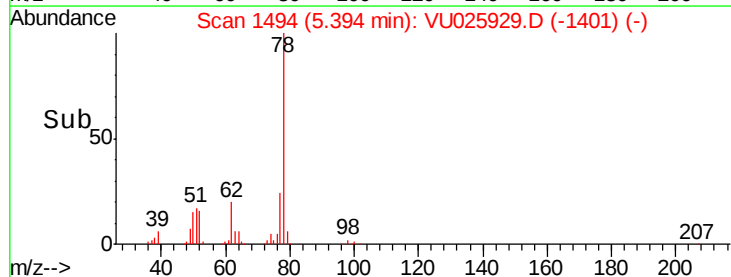
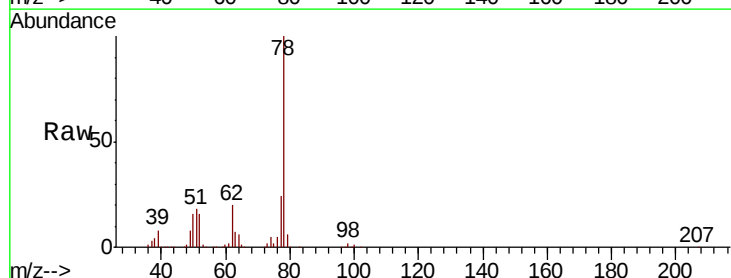
Manual Integrations
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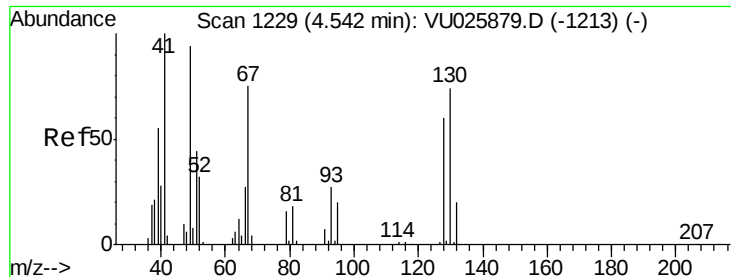
MMDadoda
8/7/2018 1:51:50 PM



#40
Benzene
Concen: 48.19 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	496258		
77	24.2	19.8	29.6	





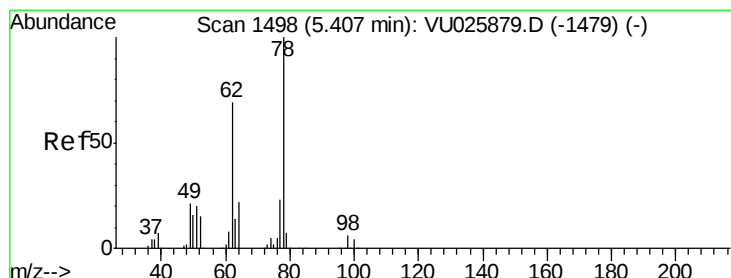
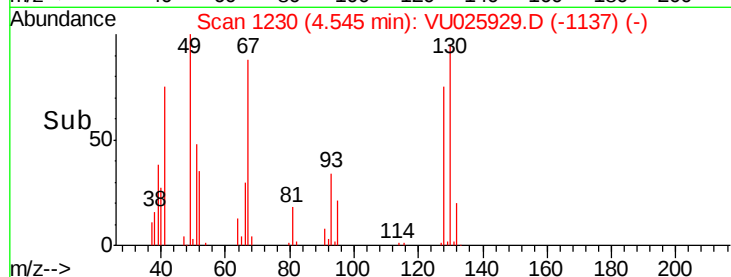
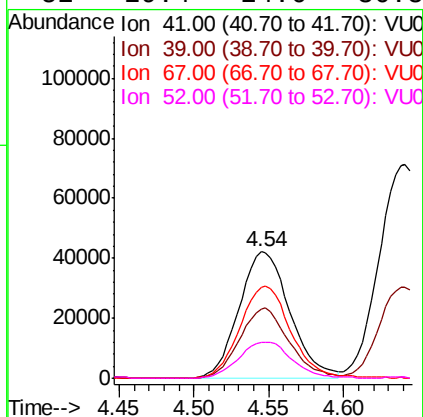
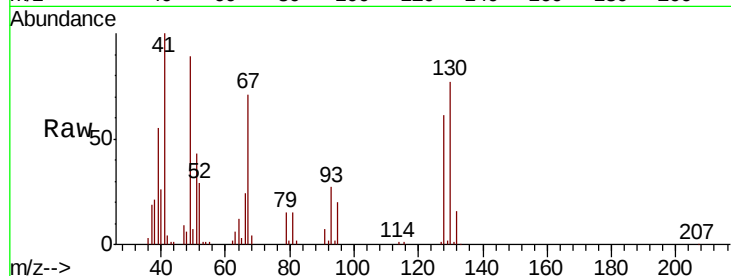
#41
Methacrylonitrile
Concen: 49.16 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Instrument :
MSVOA_U
ClientSampleId :
FL-0536MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	44.4	66.6	
67	73.1	56.0	84.0	
52	29.4	24.6	36.8	

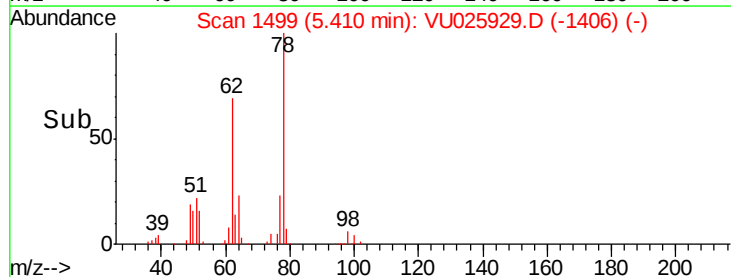
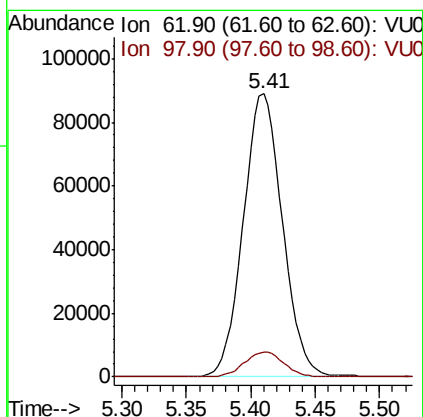
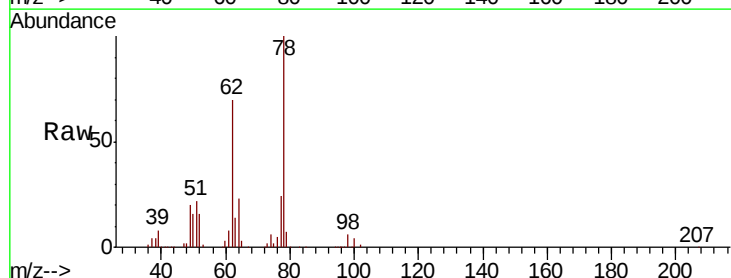
Manual Integrations
APPROVED

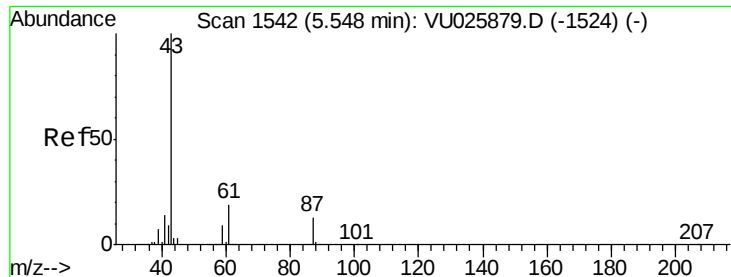
MMDadoda
8/7/2018 1:51:50 PM



#42
1,2-Dichloroethane
Concen: 47.51 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	16.4	





#43

Isopropyl Acetate

Concen: 43.37 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

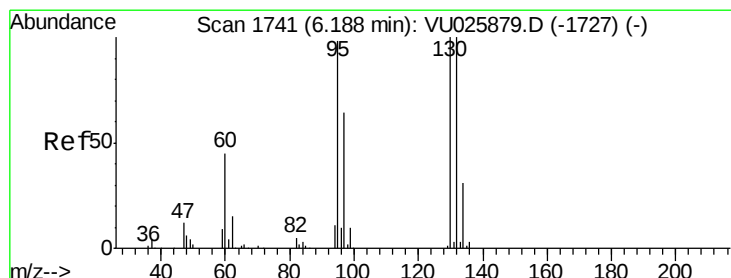
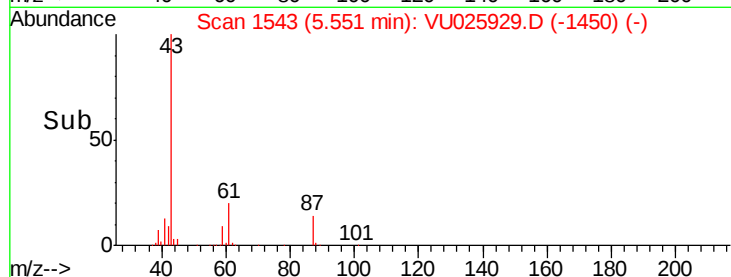
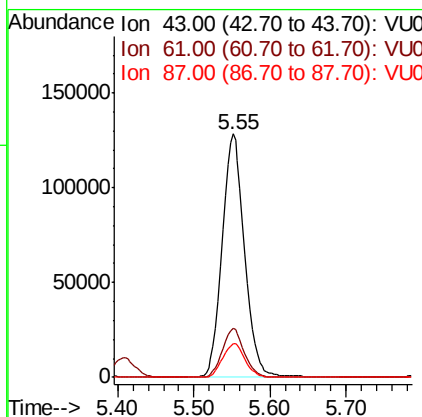
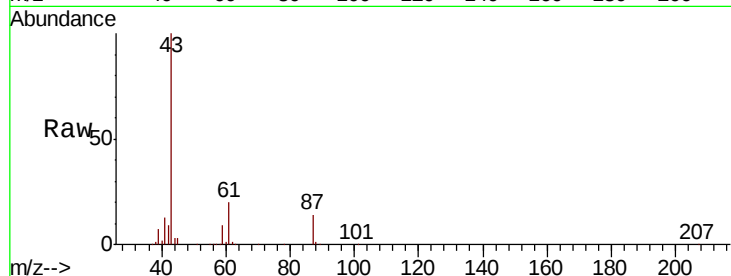
ClientSampleId :

FL-0536MS

Tot Ion:	43	Resp:	261803
Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.5	23.3
87	13.9	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 50.11 ug/l

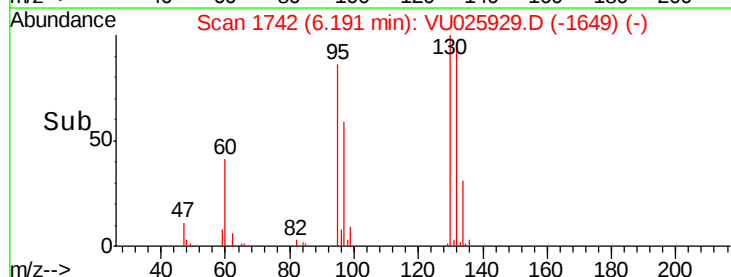
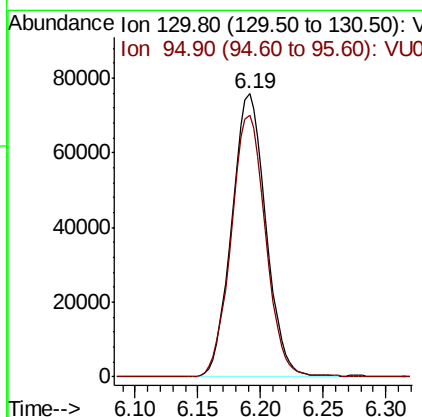
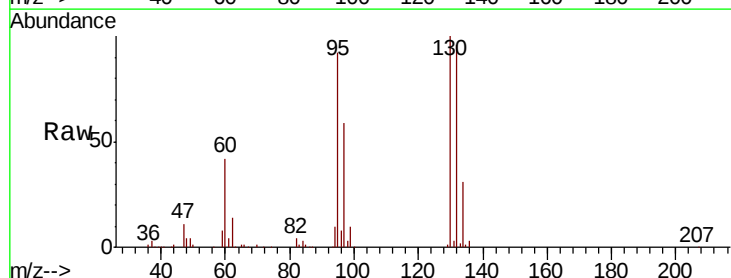
RT: 6.19 min Scan# 1742

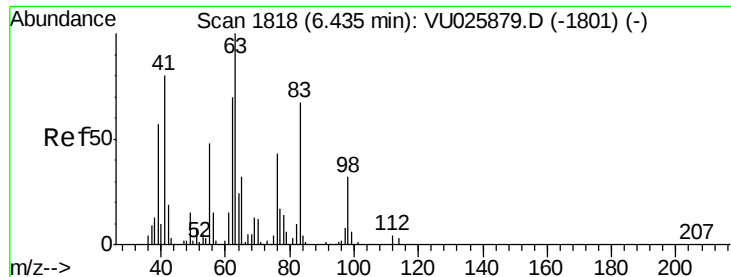
Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Tgt Ion:	130	Resp:	143703
Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	192.2





#45

1,2-Dichloropropane

Concen: 48.32 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

ClientSampleId :

FL-0536MS

Tot Ion: 63 Resp: 129761

Ion Ratio Lower Upper

63 100

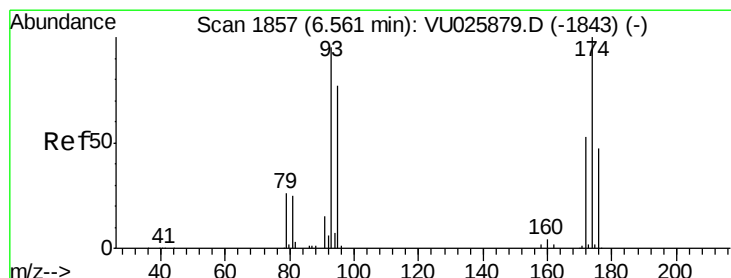
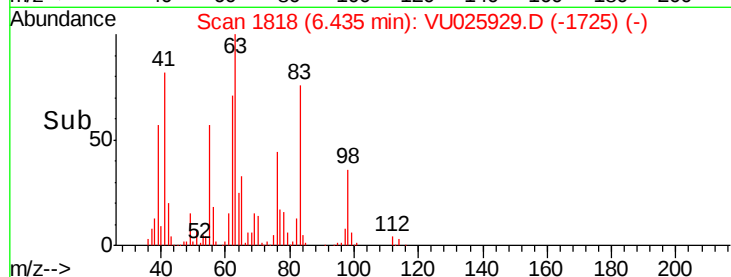
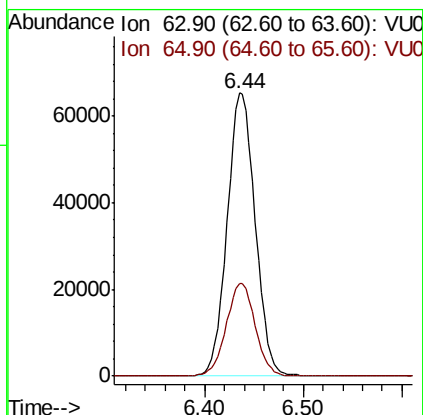
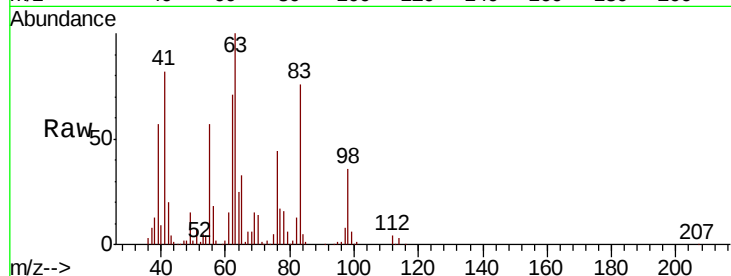
65 32.8 26.1 39.1

Manual Integrations

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8/7/2018 1:51:50 PM



#46

Dibromomethane

Concen: 47.73 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

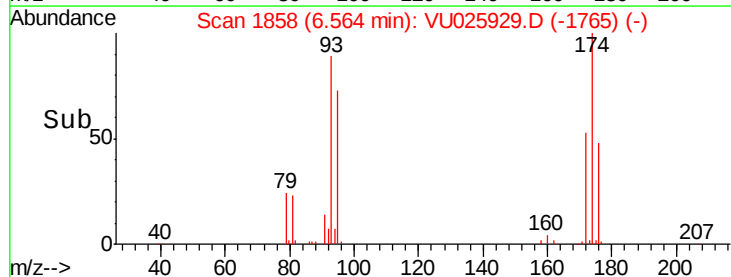
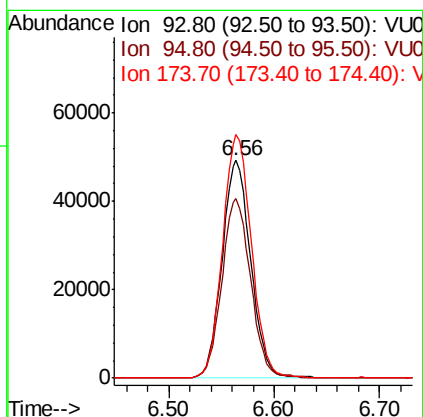
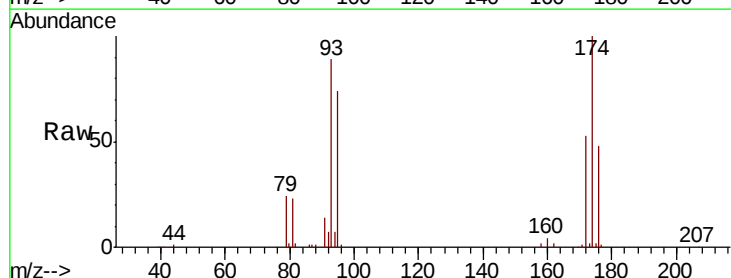
Tgt Ion: 93 Resp: 92885

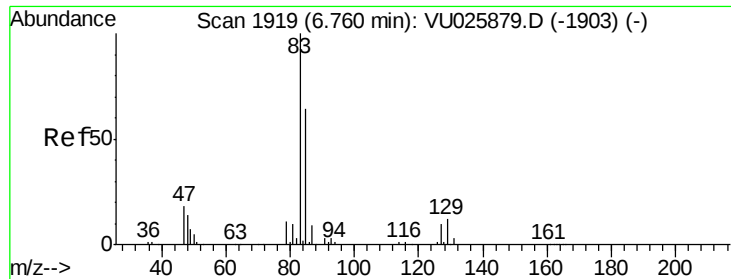
Ion Ratio Lower Upper

93 100

95 83.0 66.6 100.0

174 112.4 85.8 128.8





#47

Bromodichloromethane

Concen: 48.89 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

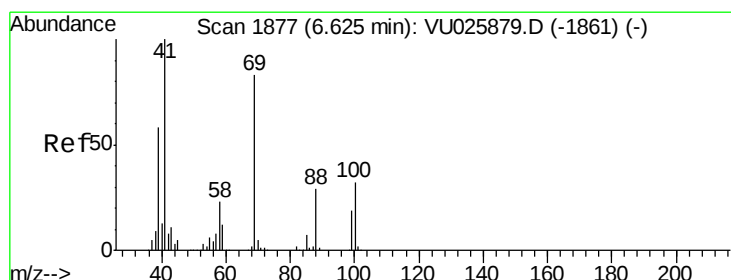
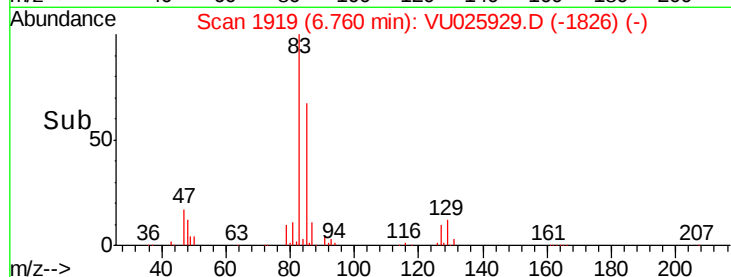
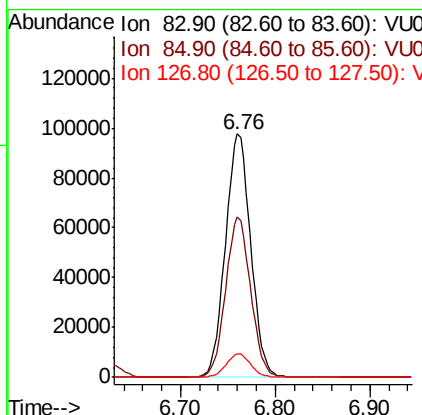
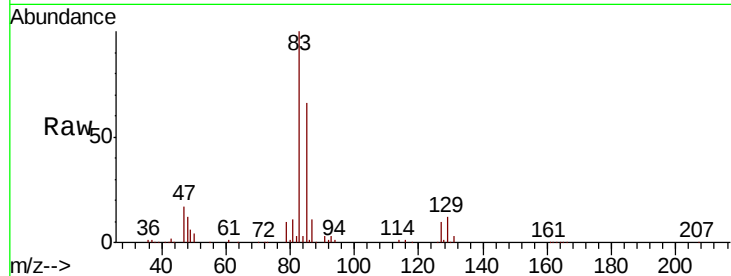
ClientSampleId :

FL-0536MS

Tot Ion:	83	Resp:	181457
Ion Ratio	Lower	Upper	
83	100		
85	65.7	50.2	75.4
127	9.6	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.38 ug/l

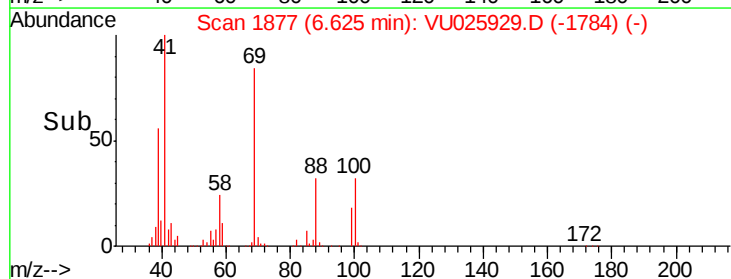
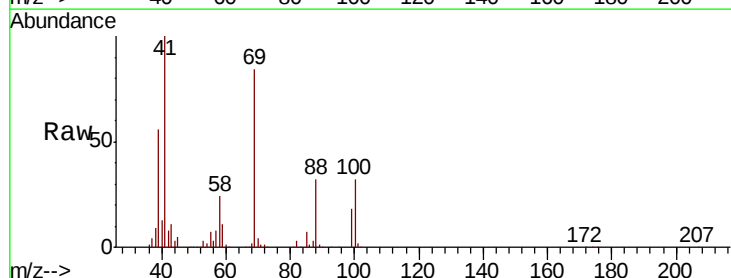
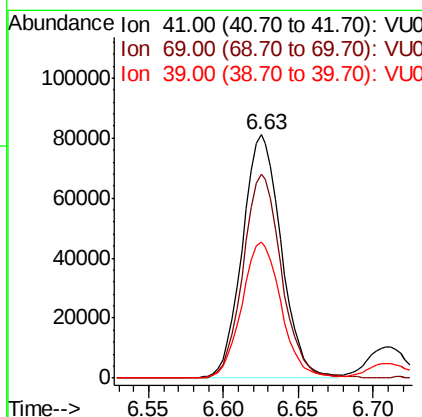
RT: 6.63 min Scan# 1877

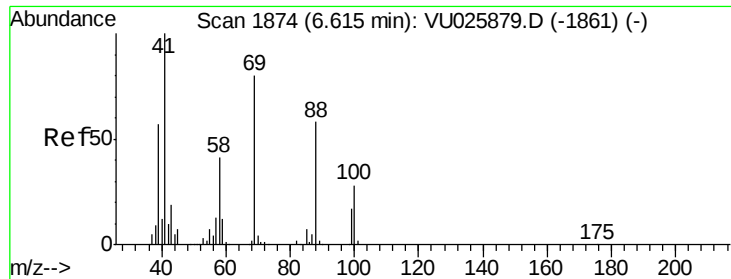
Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Tgt Ion:	41	Resp:	146071
Ion Ratio	Lower	Upper	
41	100		
69	83.3	65.0	97.4
39	56.6	46.4	69.6





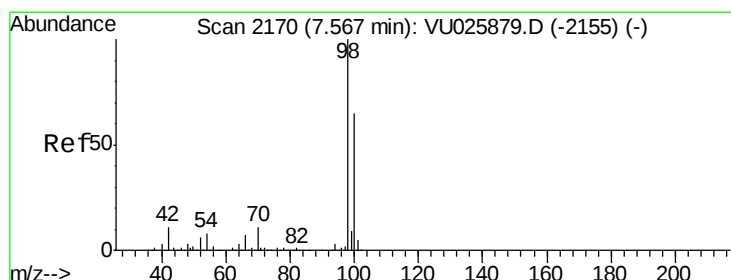
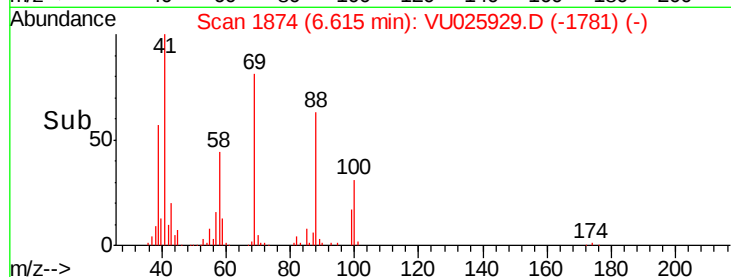
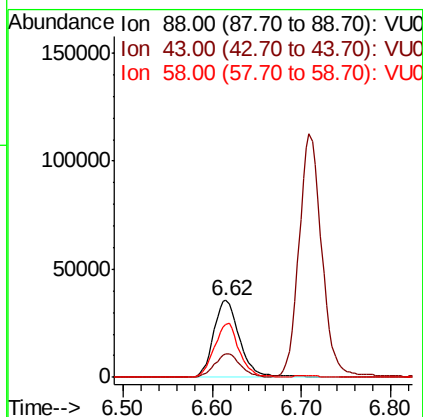
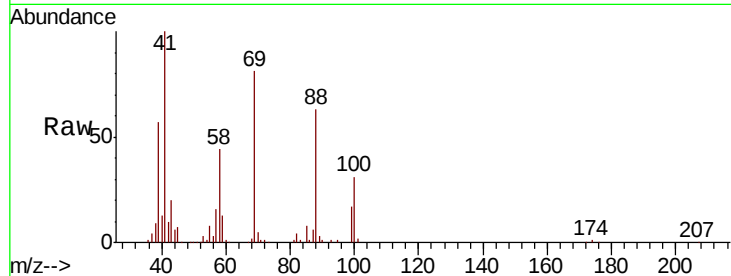
#49
1,4-Dioxane
Concen: 984.82 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Instrument :
MSVOA_U
ClientSampled :
FL-0536MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	27.3	40.9
58	68.4	57.6	86.4

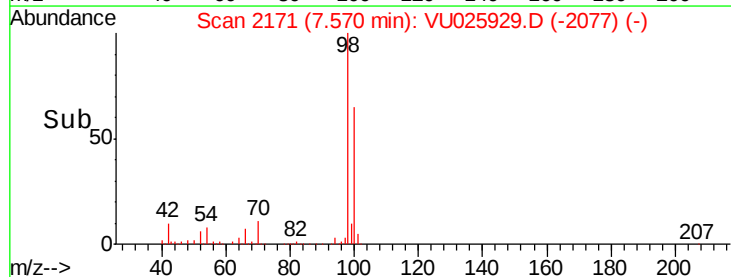
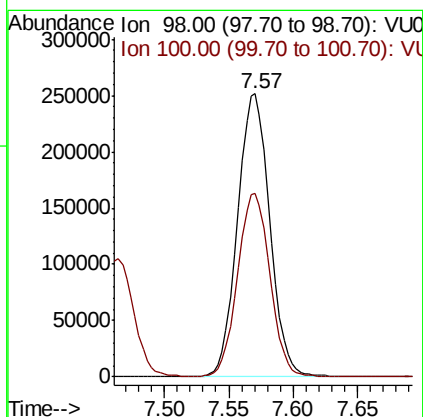
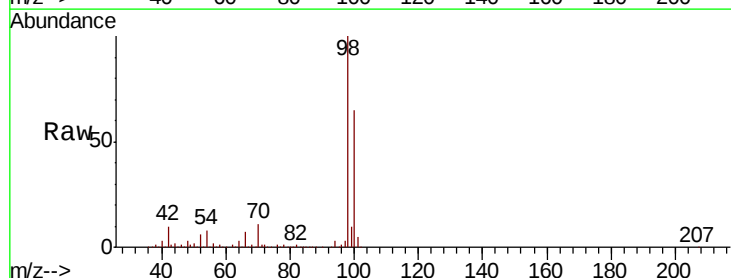
Manual Integrations
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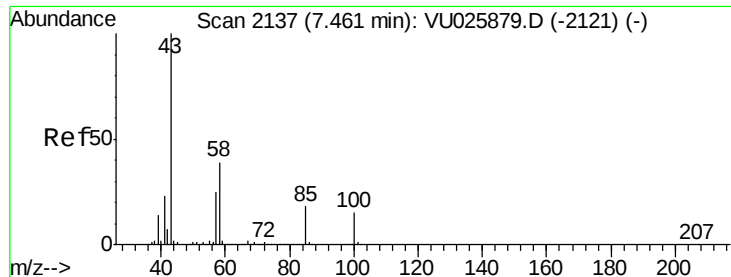
MMDadoda
8/7/2018 1:51:50 PM



#50
Toluene-d8
Concen: 47.84 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 303.61 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

ClientSampleId :

FL-0536MS

Tot Ion: 43 Resp: 1147294

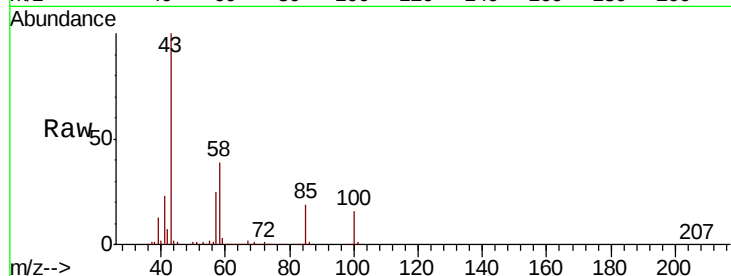
Ion Ratio Lower Upper

43 100

58 39.4 31.0 46.4

Manual Integrations
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8/7/2018 1:51:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VU025879.D (-2121) (-)

Ion 58.00 (57.70 to 58.70): VU025879.D (-2121) (-)

7.46

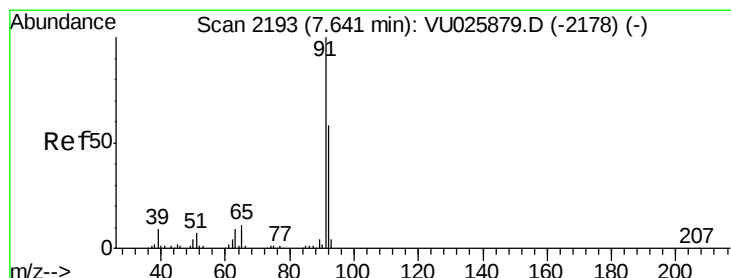
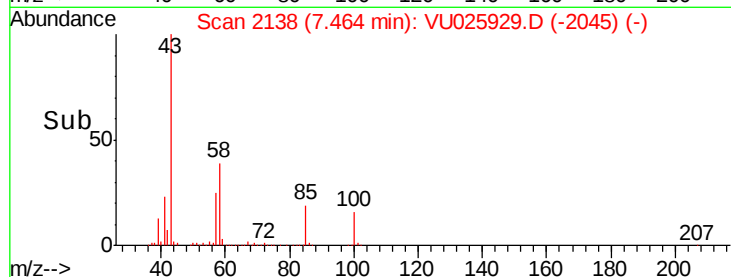
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.69 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025929.D

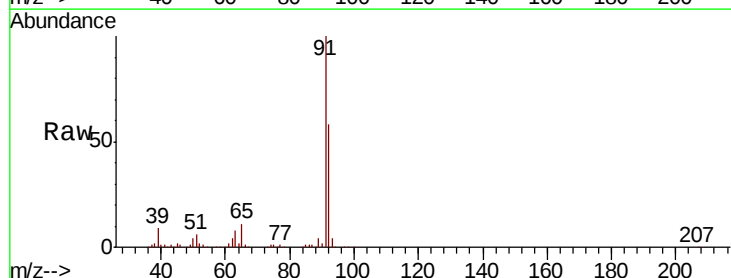
Acq: 07 Aug 2018 08:55

Tgt Ion: 92 Resp: 324288

Ion Ratio Lower Upper

92 100

91 172.1 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU025879.D (-2178) (-)

Ion 91.00 (90.70 to 91.70): VU025879.D (-2178) (-)

7.64

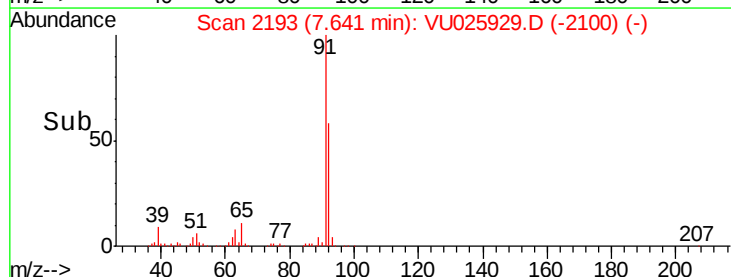
300000

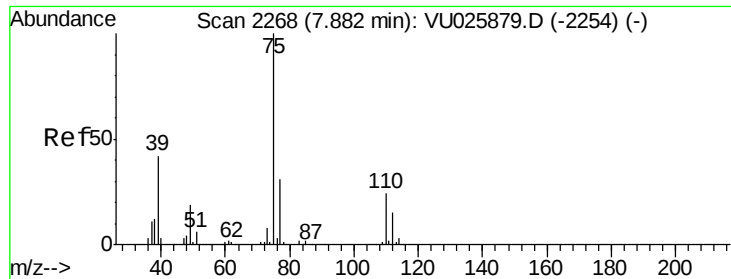
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 45.09 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

ClientSampleId :

FL-0536MS

Tot Ion: 75 Resp: 187902

Ion Ratio Lower Upper

75 100

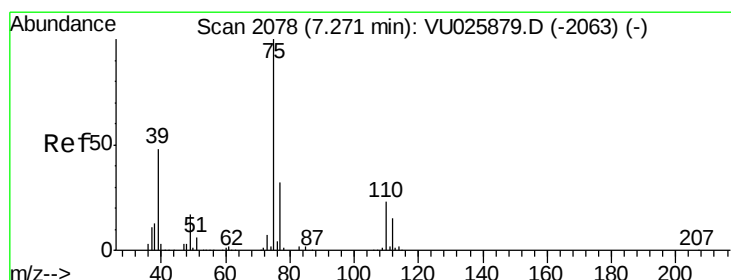
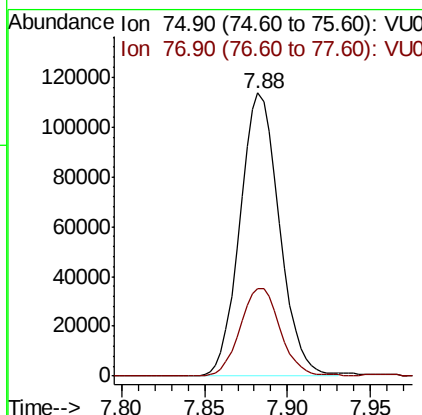
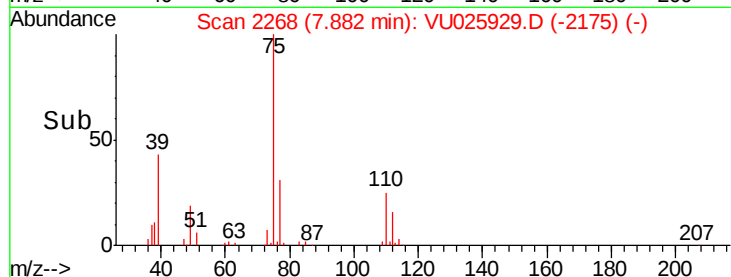
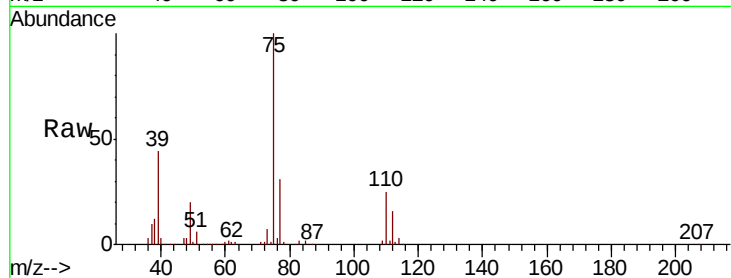
77 31.0 24.5 36.7

Manual Integrations

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8/7/2018 1:51:50 PM



#54

cis-1,3-Dichloropropene

Concen: 45.53 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

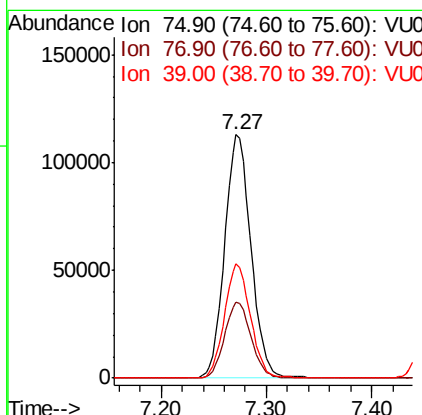
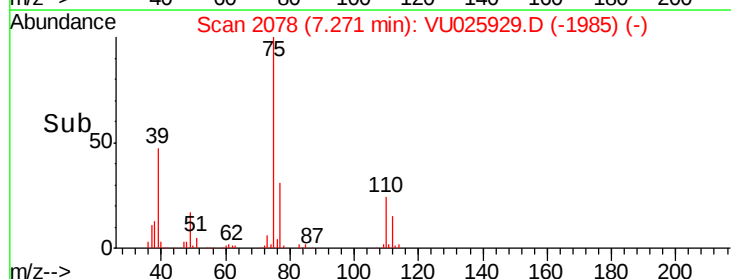
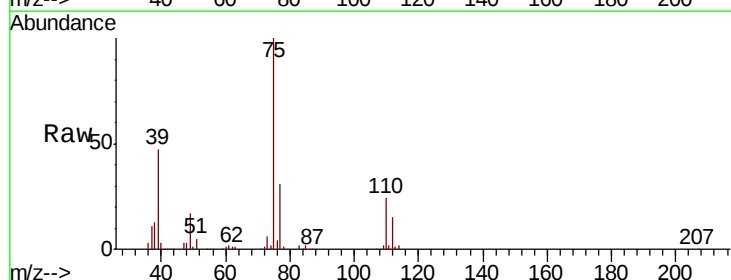
Tgt Ion: 75 Resp: 194901

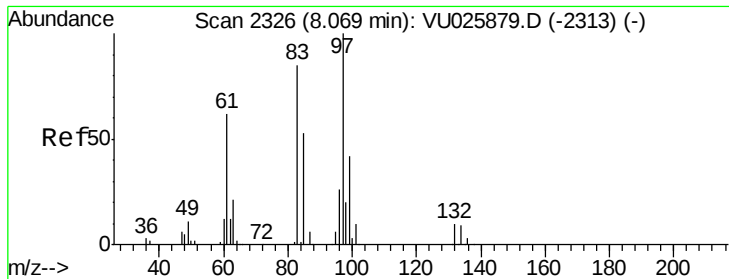
Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4

39 46.6 40.0 60.0





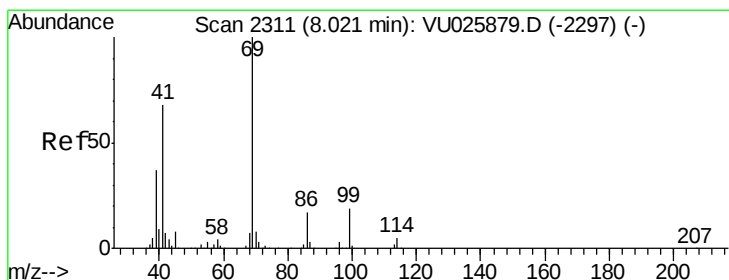
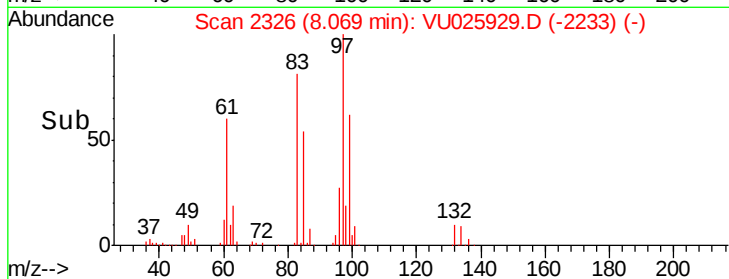
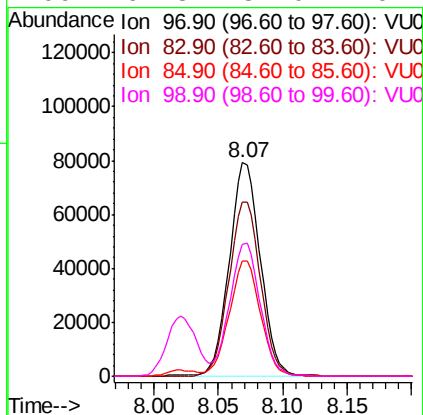
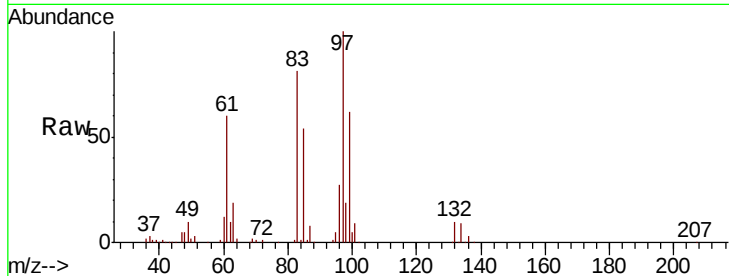
#55
 1,1,2-Trichloroethane
 Concen: 49.59 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025929.D
 Acq: 07 Aug 2018 08:55

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0536MS

Tot Ion:	97	Resp:	131838
Ion	Ratio	Lower	Upper
97	100		
83	81.6	68.9	103.3
85	53.8	44.4	66.6
99	61.8	51.0	76.4

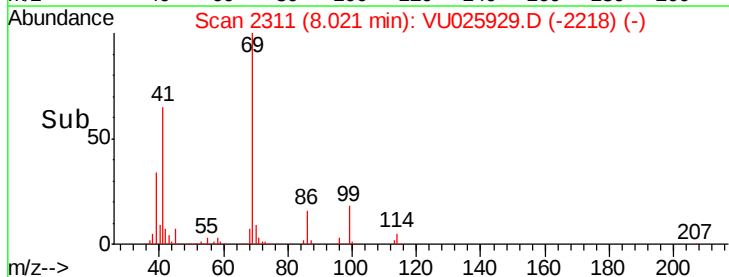
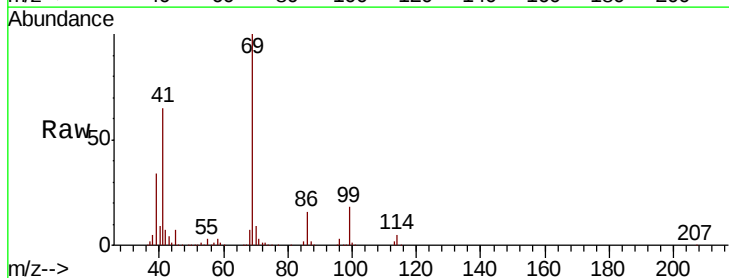
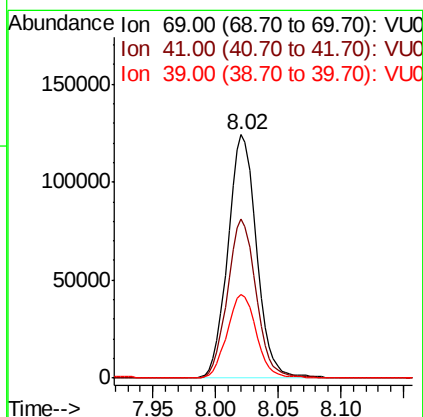
Manual Integrations
 APPROVED

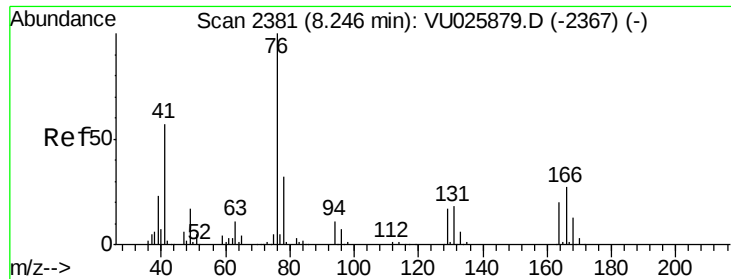
MMDadoda
 8/7/2018 1:51:50 PM



#56
 Ethyl methacrylate
 Concen: 51.96 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025929.D
 Acq: 07 Aug 2018 08:55

Tgt Ion:	69	Resp:	197362
Ion	Ratio	Lower	Upper
69	100		
41	65.6	54.8	82.2
39	34.9	31.1	46.7





#57

1,3-Dichloropropane

Concen: 48.88 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

ClientSampled :

FL-0536MS

Tot Ion: 76 Resp: 218511

Ion Ratio Lower Upper

76 100

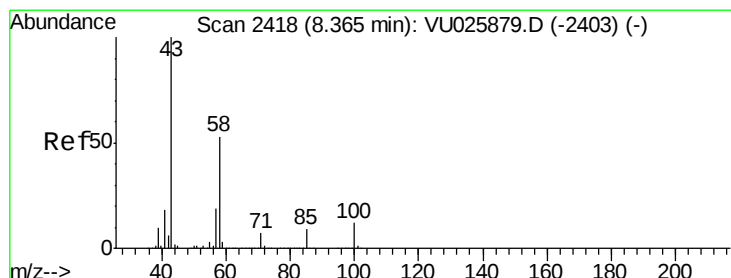
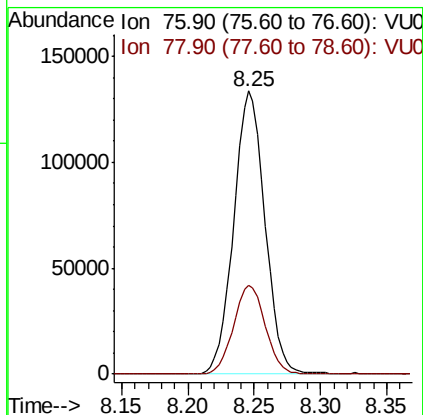
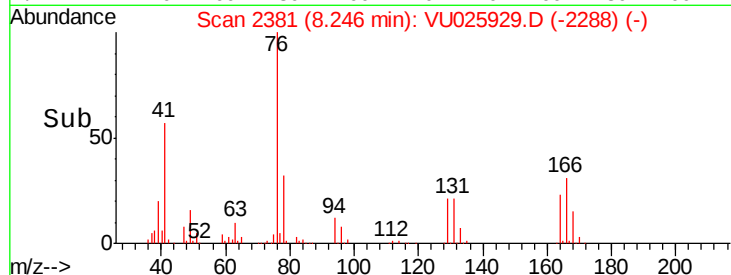
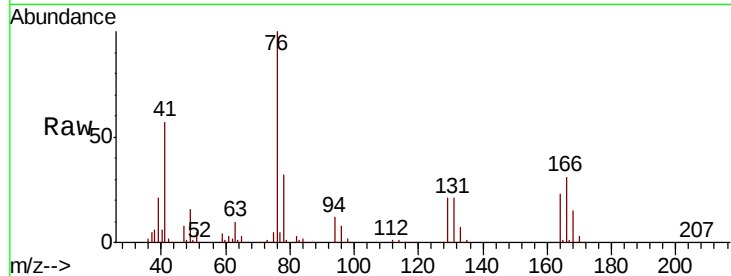
78 32.1 26.1 39.1

Manual Integrations

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8/7/2018 1:51:50 PM



#59

2-Hexanone

Concen: 297.65 ug/l

RT: 8.36 min Scan# 2418

Delta R.T. -0.00 min

Lab File: VU025929.D

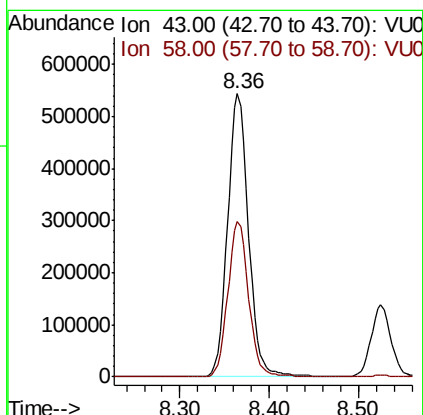
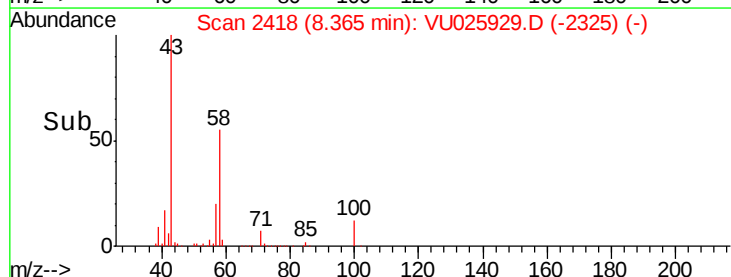
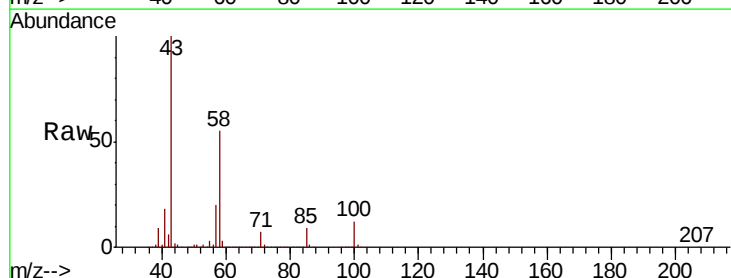
Acq: 07 Aug 2018 08:55

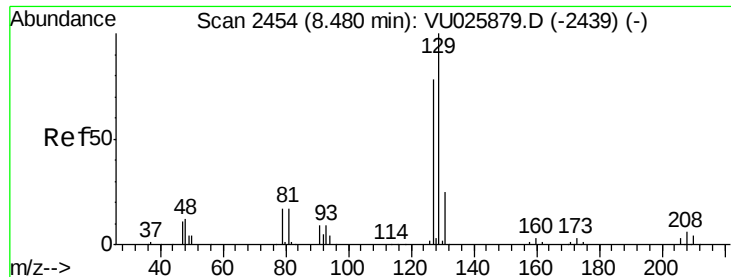
Tgt Ion: 43 Resp: 881701

Ion Ratio Lower Upper

43 100

58 54.8 26.2 78.5





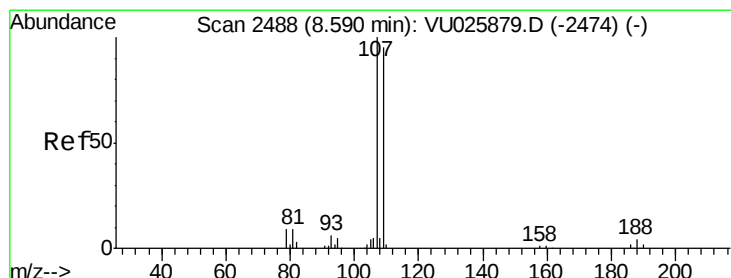
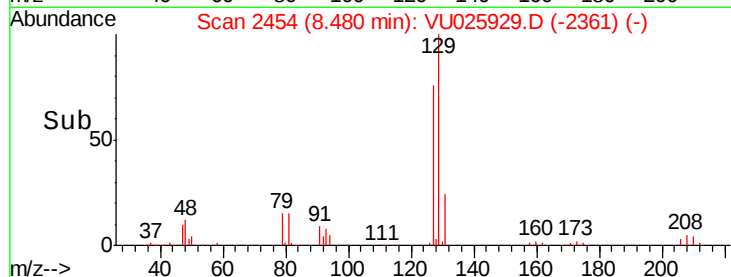
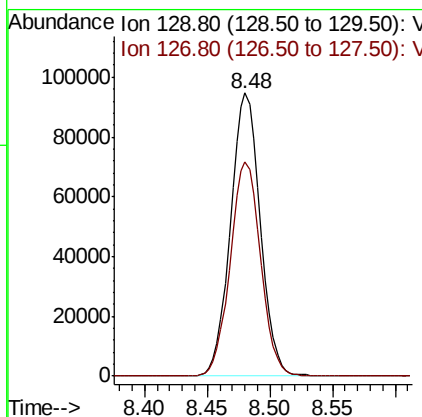
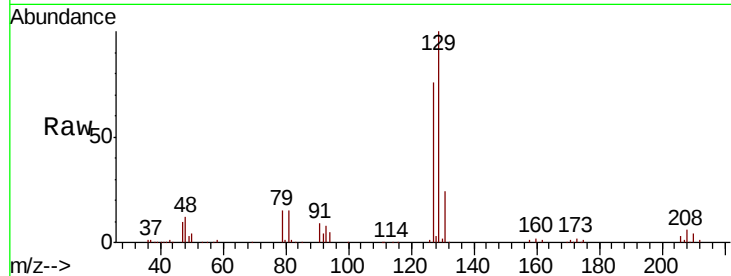
#60
 Dibromochloromethane
 Concen: 49.73 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VU025929.D
 Acq: 07 Aug 2018 08:55

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0536MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	115.8

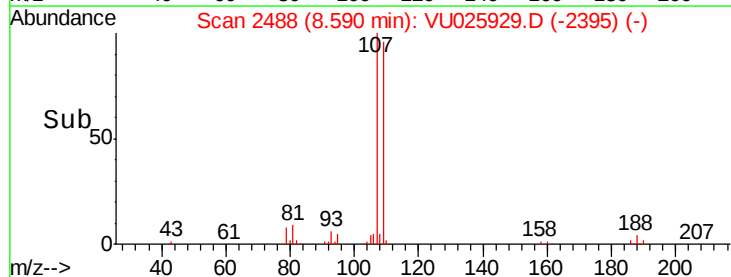
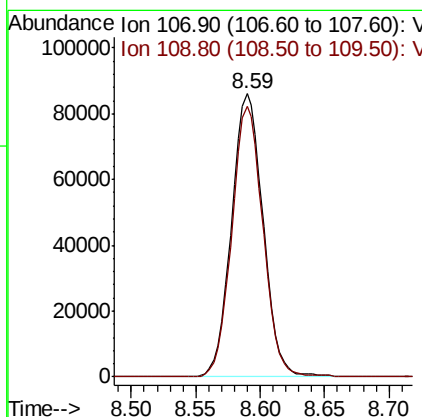
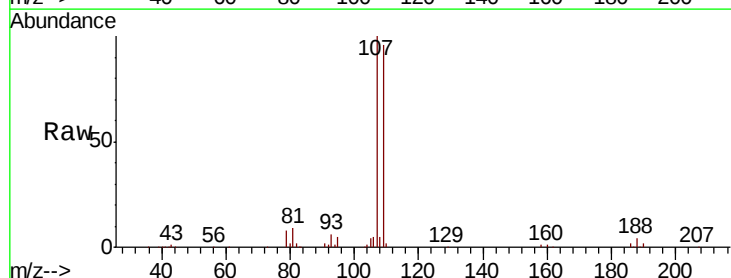
Manual Integrations
 APPROVED

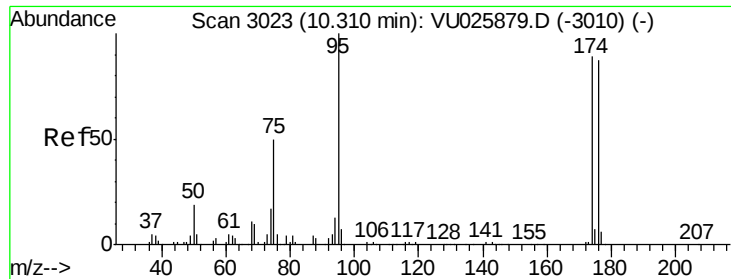
MMDadoda
 8/7/2018 1:51:50 PM



#61
 1,2-Dibromoethane
 Concen: 49.40 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU025929.D
 Acq: 07 Aug 2018 08:55

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.8	113.8





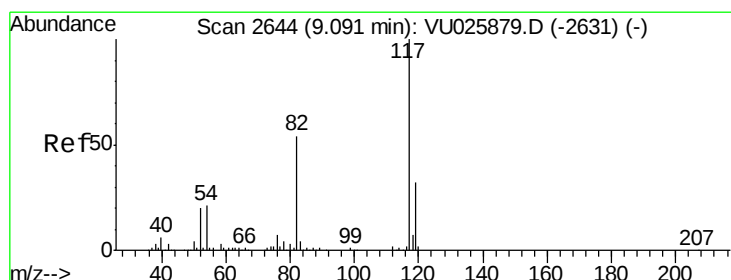
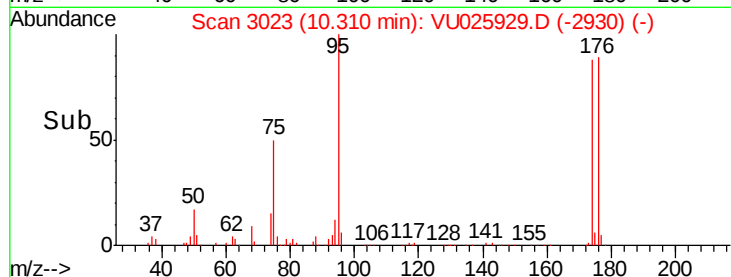
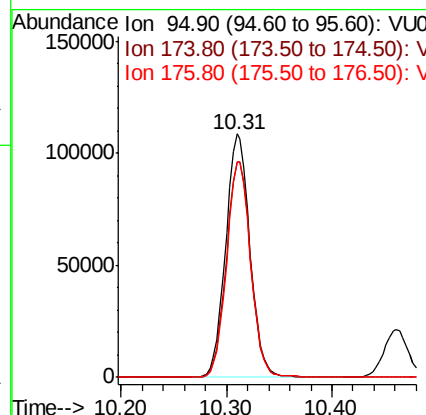
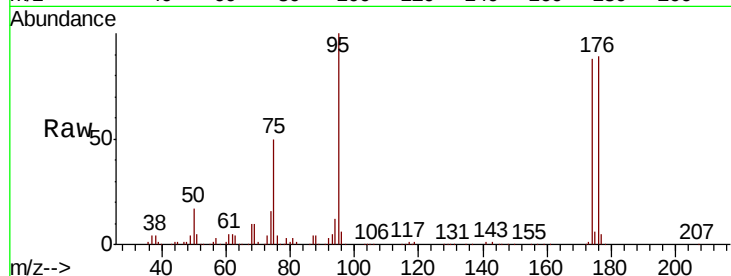
#62
4-Bromofluorobenzene
Concen: 48.25 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Instrument :
MSVOA_U
ClientSampled :
FL-0536MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	171814		
174	90.3	0.0	172.2	
176	87.7	0.0	162.6	

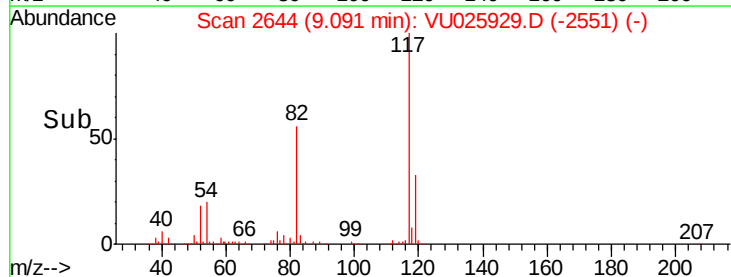
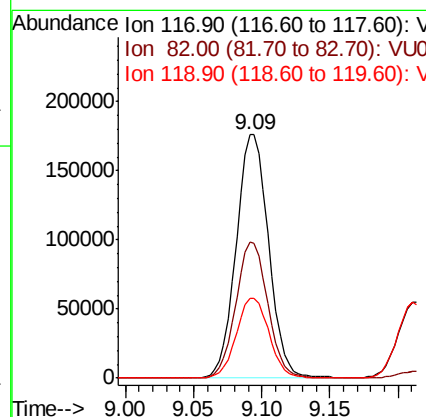
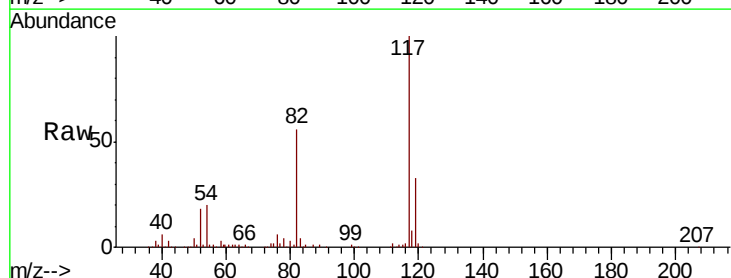
Manual Integrations
APPROVED

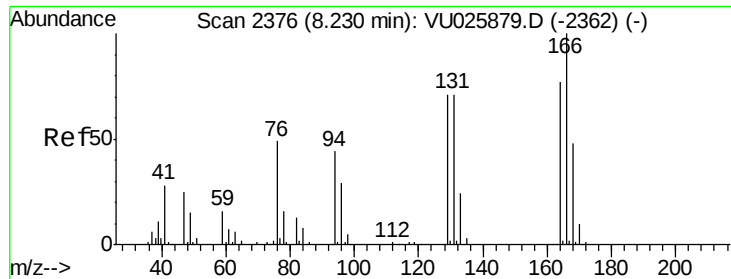
MMDadoda
8/7/2018 1:51:50 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	291219		
82	56.1	46.0	69.0	
119	32.7	26.0	39.0	





#64

Tetrachloroethene

Concen: 49.36 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

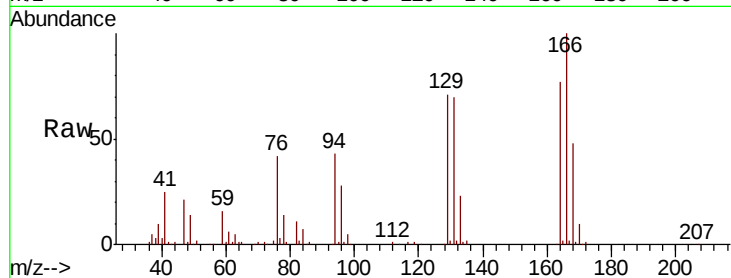
ClientSampled :

FL-0536MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	129.6	101.1	151.7	
129	91.6	73.0	109.6	
131	90.6	72.1	108.1	

Manual Integrations
APPROVED

MMDadoda
8/7/2018 1:51:50 PM



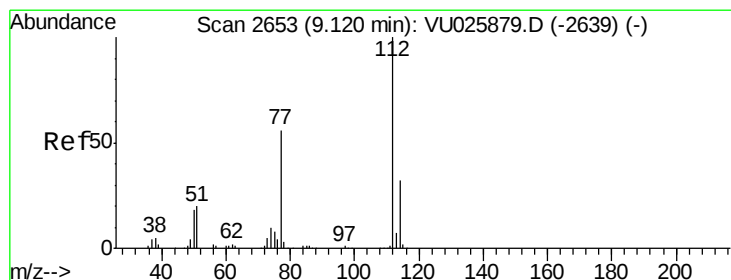
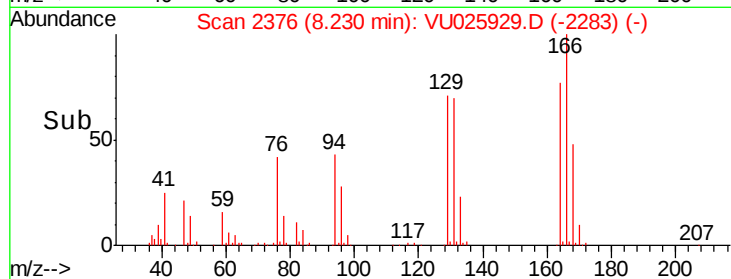
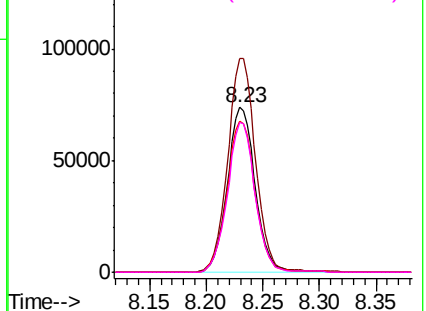
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 48.81 ug/l

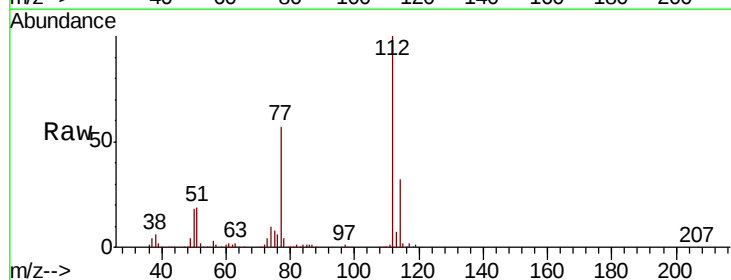
RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

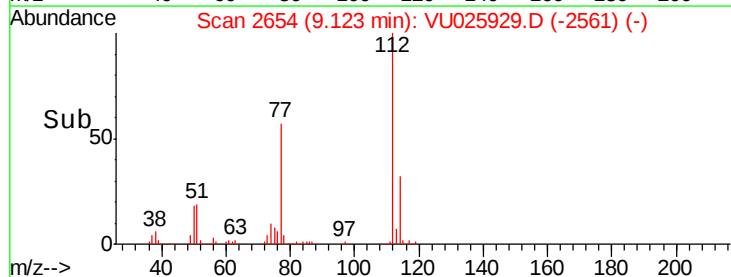
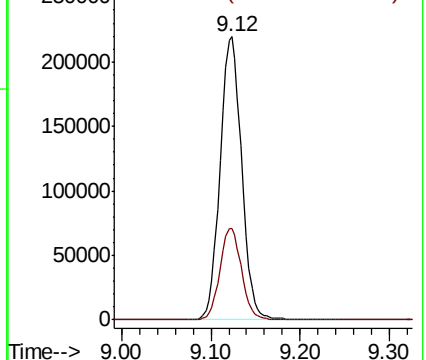
Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	32.4	25.8	38.8	

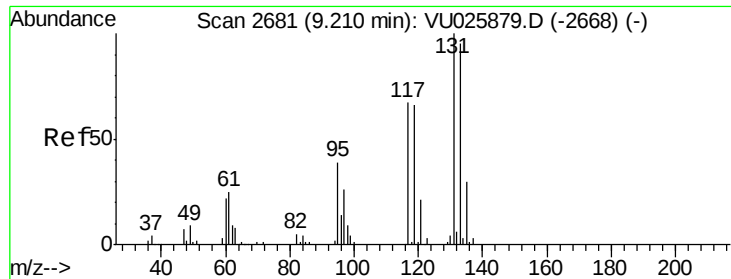


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





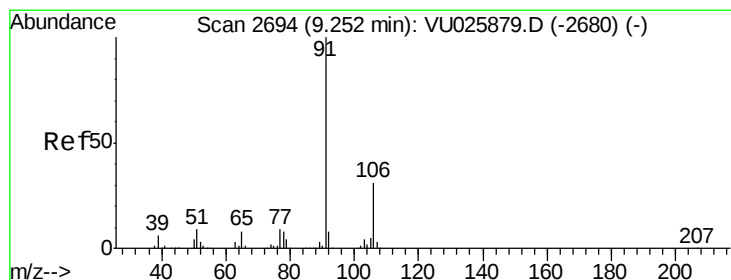
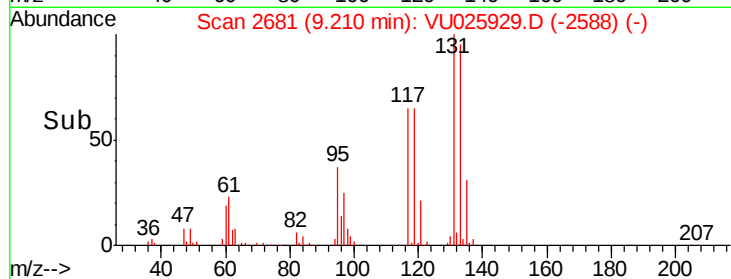
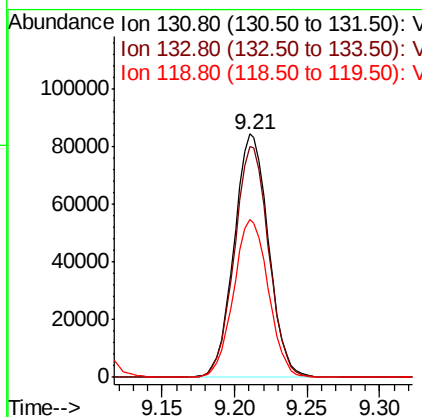
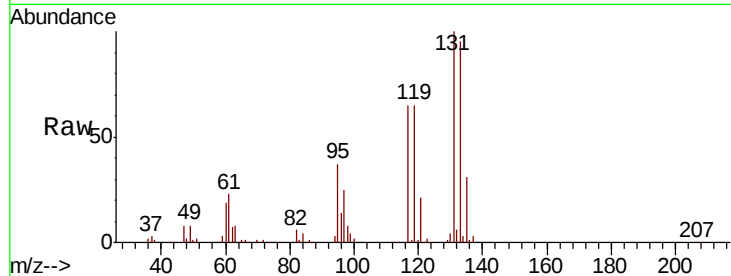
#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.31 ug/l
 RT: 9.21 min Scan# 2681
 Delta R.T. 0.00 min
 Lab File: VU025929.D
 Acq: 07 Aug 2018 08:55

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0536MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.8	143.3
119	65.3	31.6	95.0

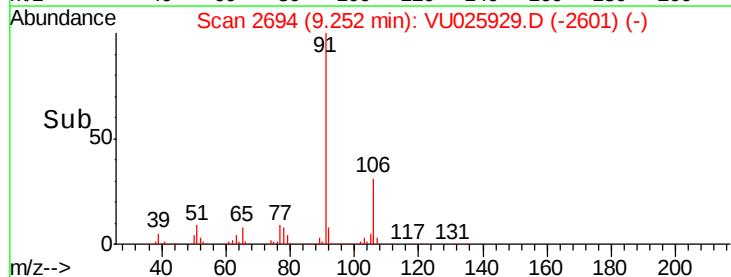
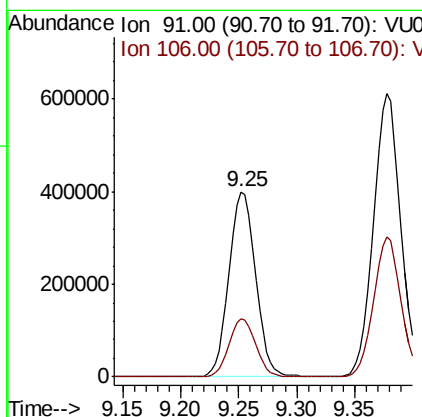
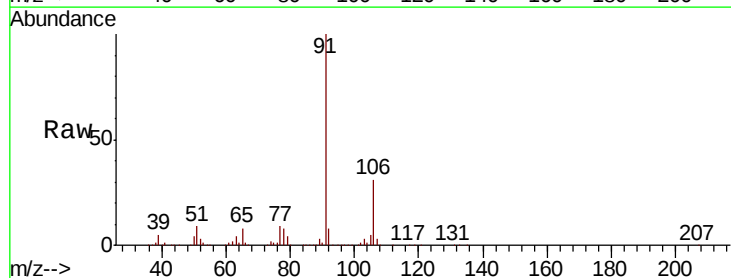
Manual Integrations
 APPROVED

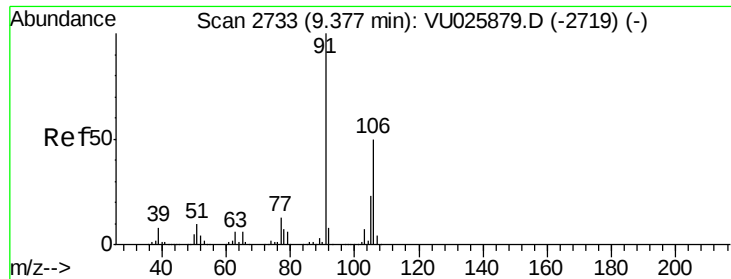
MMDadoda
 8/7/2018 1:51:50 PM



#67
 Ethyl Benzene
 Concen: 51.06 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VU025929.D
 Acq: 07 Aug 2018 08:55

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.3	37.9





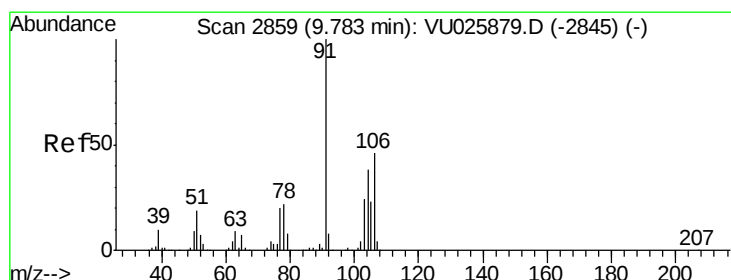
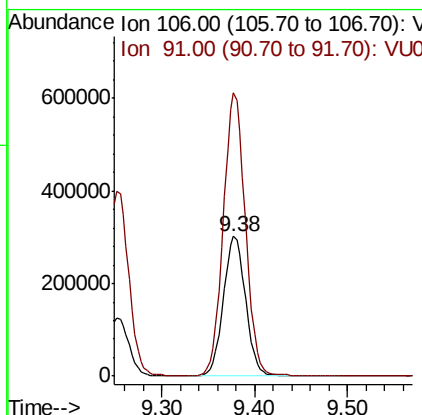
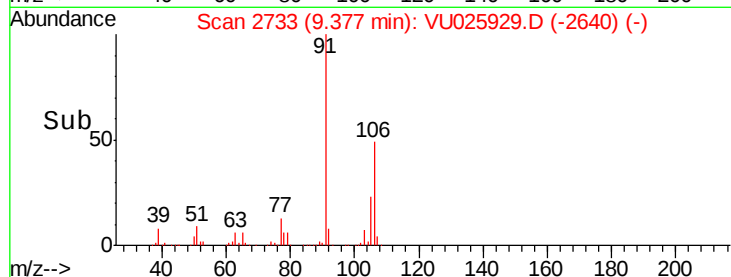
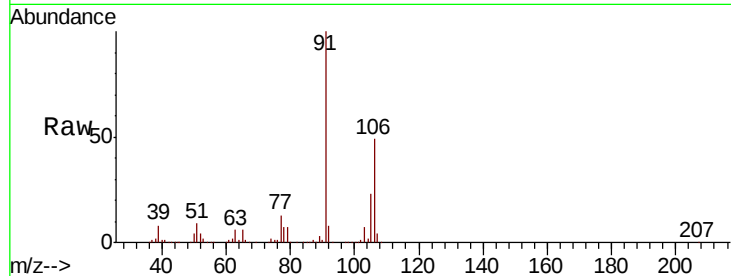
#68
m/p-Xvlenes
Concen: 105.29 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Instrument :
MSVOA_U
ClientSampleId :
FL-0536MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		502746		
91	200.6	162.3	243.5		

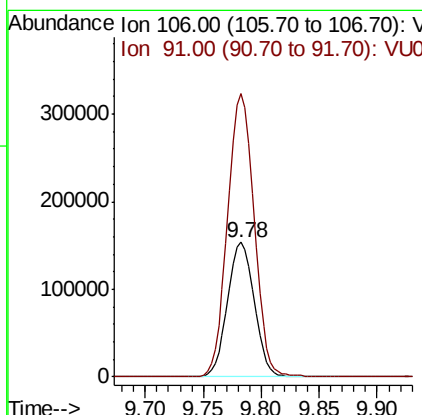
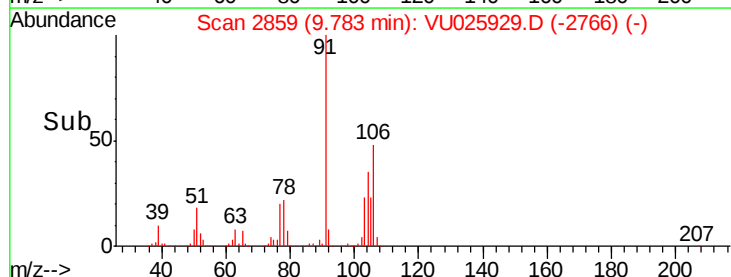
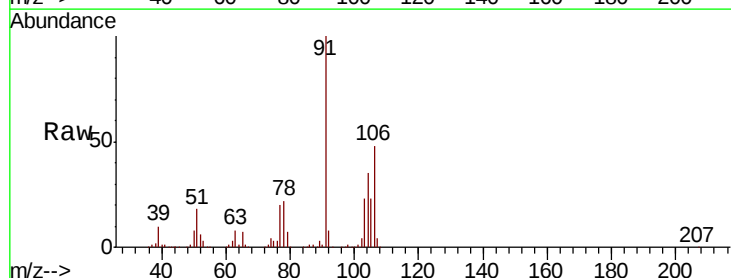
Manual Integrations
APPROVED

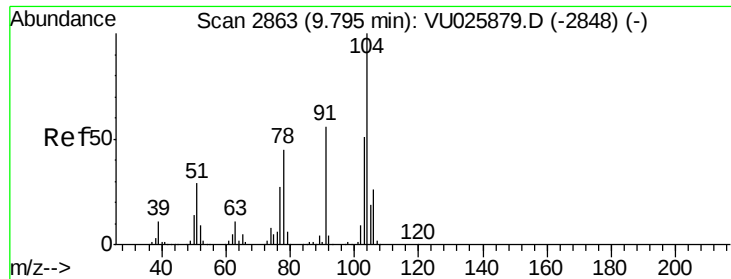
MMDadoda
8/7/2018 1:51:50 PM



#69
o-Xylene
Concen: 52.49 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		244971		
91	209.2	105.3	315.8		





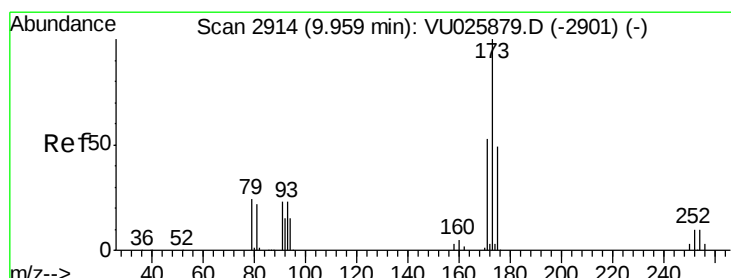
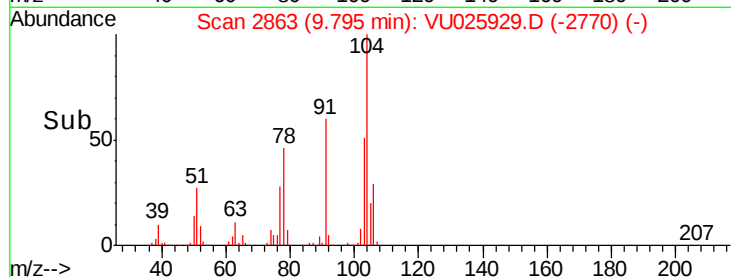
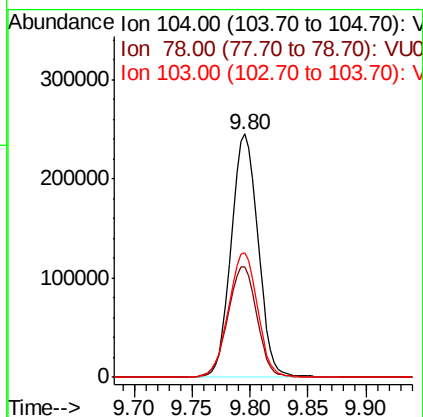
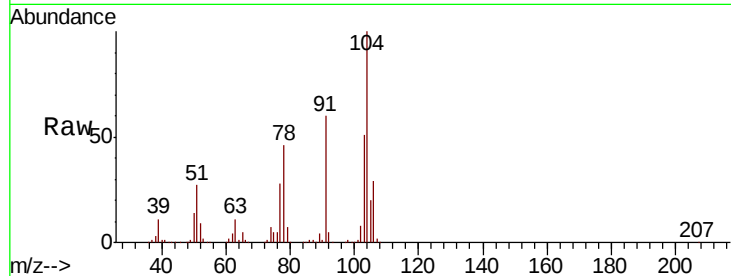
#70
Stvrene
Concen: 52.21 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Instrument :
MSVOA_U
ClientSampleId :
FL-0536MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	393530		
78	49.5		41.6	62.4
103	55.2		44.6	66.8

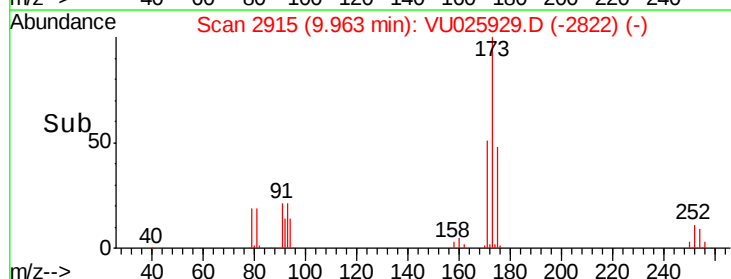
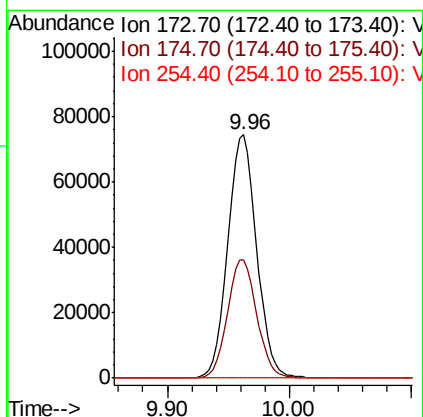
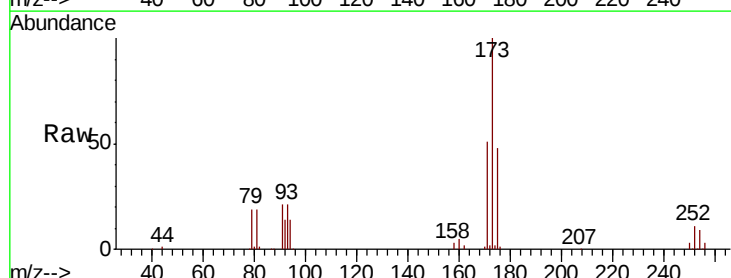
Manual Integrations
APPROVED

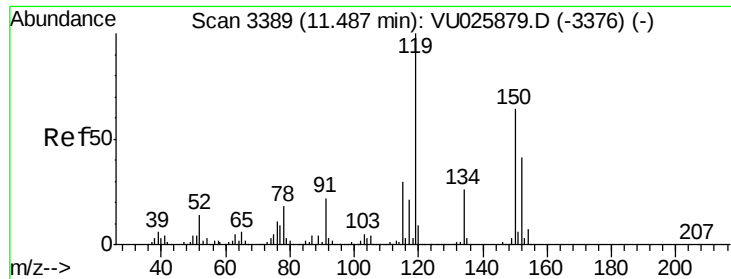
MMDadoda
8/7/2018 1:51:50 PM



#71
Bromoform
Concen: 52.26 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	123088		
175	49.3		24.0	72.0
254	0.1		0.0	0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

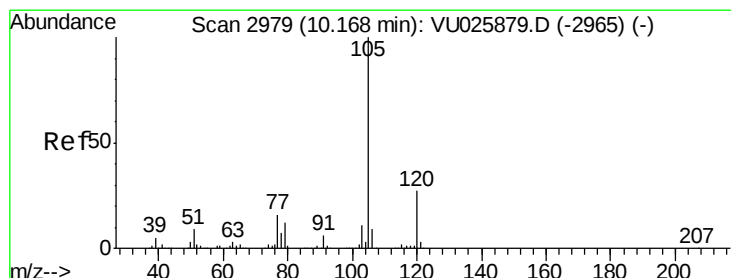
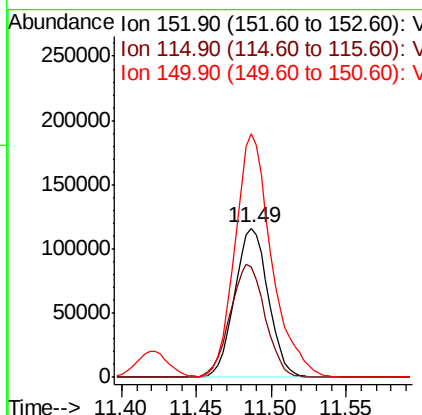
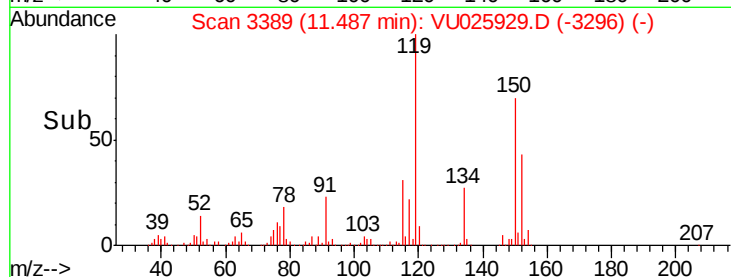
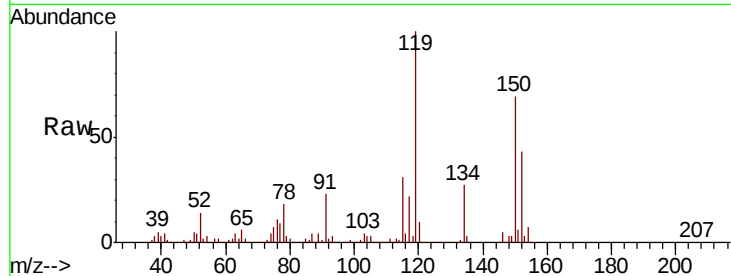
ClientSampled :

FL-0536MS

Tot Ion:	152	Resp:	181814
Ion	Ratio	Lower	Upper
152	100		
115	79.0	40.1	120.3
150	177.1	0.0	351.4

Manual Integrations
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MMDadoda
8/7/2018 1:51:50 PM



#73

Isopropylbenzene

Concen: 51.36 ug/l

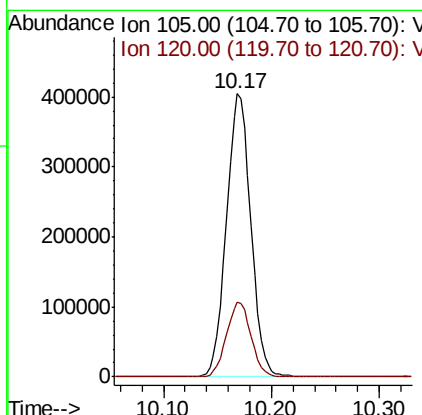
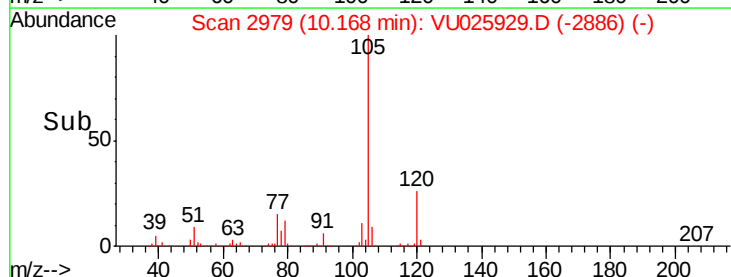
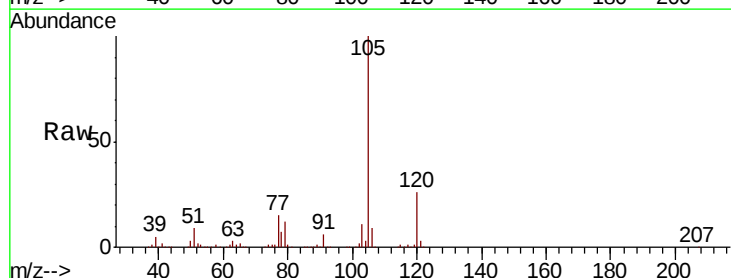
RT: 10.17 min Scan# 2979

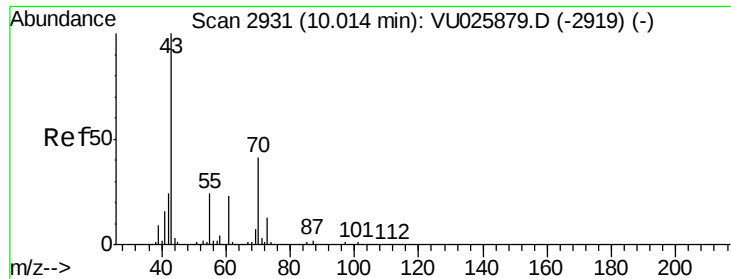
Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Tgt Ion:	105	Resp:	637326
Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.5	40.5





#74

N-amvl acetate

Concen: 41.24 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

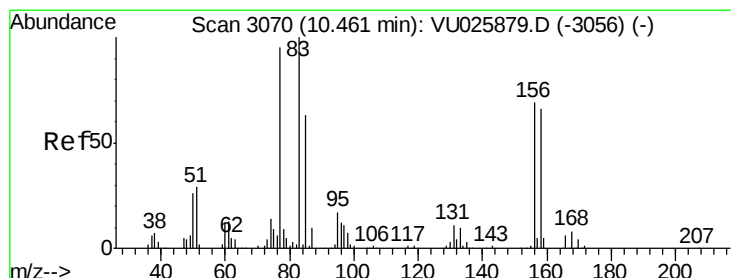
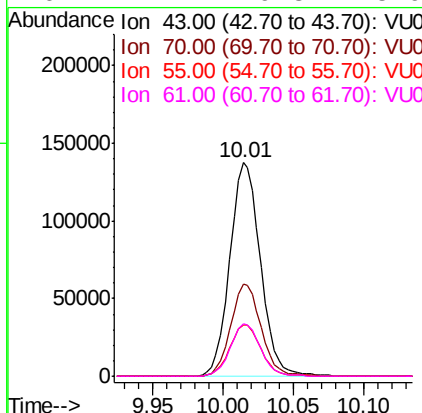
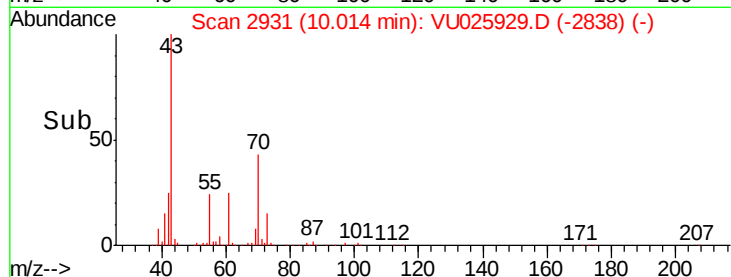
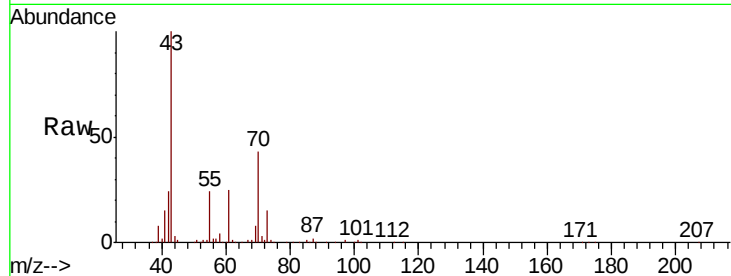
ClientSampleId :

FL-0536MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		208944		
70	42.9	33.4	50.2		
55	24.6	19.0	28.6		
61	24.2	19.3	28.9		

Manual Integrations
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8/7/2018 1:51:50 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 48.22 ug/l

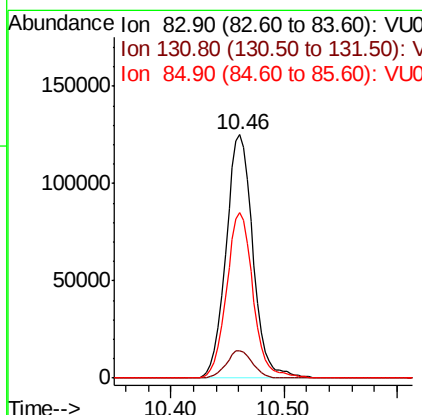
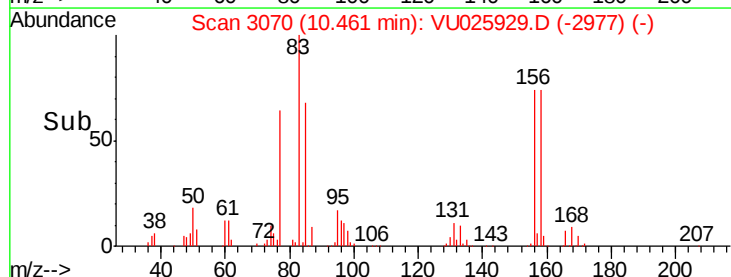
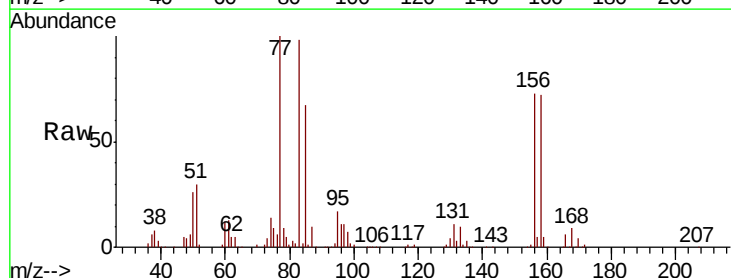
RT: 10.46 min Scan# 3070

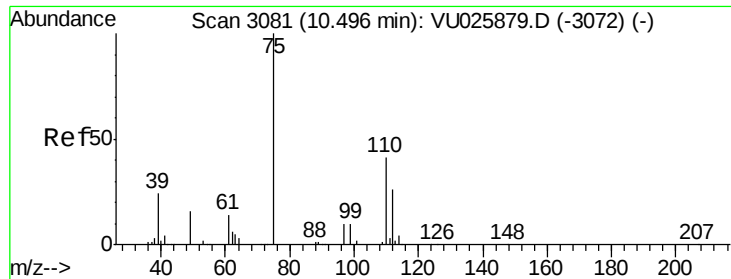
Delta R.T. 0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		206924		
131	11.1	5.5	16.4		
85	67.0	31.6	94.8		





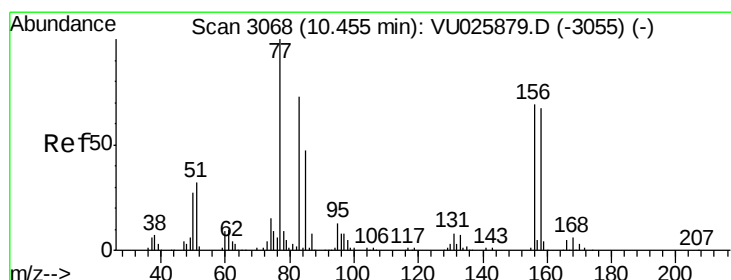
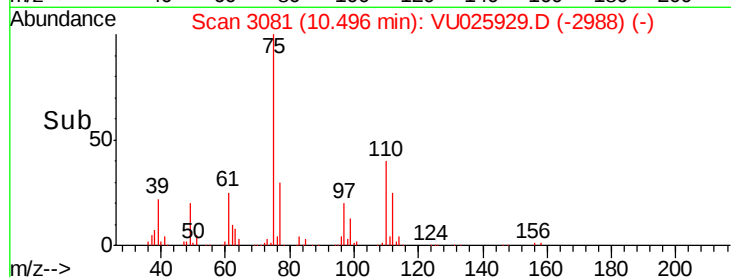
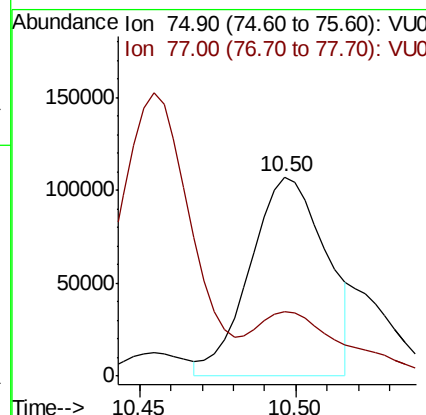
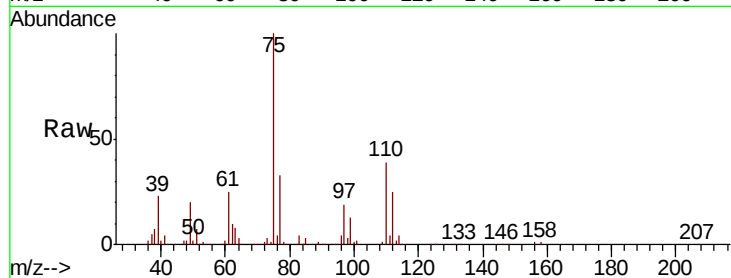
#76
 1,2,3-Trichloropropane
 Concen: 45.10 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU025929.D
 Acq: 07 Aug 2018 08:55

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0536MS

Tot Ion: 75 Resp: 180685
 Ion Ratio Lower Upper
 75 100
 77 37.8 20.4 61.3

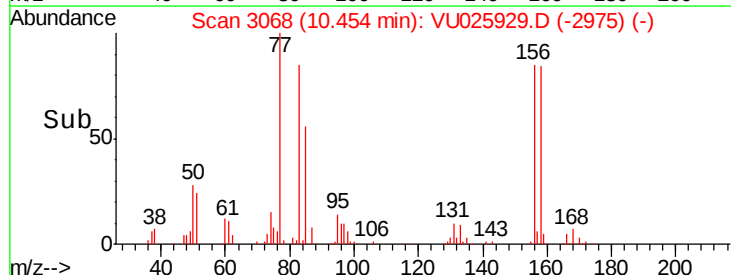
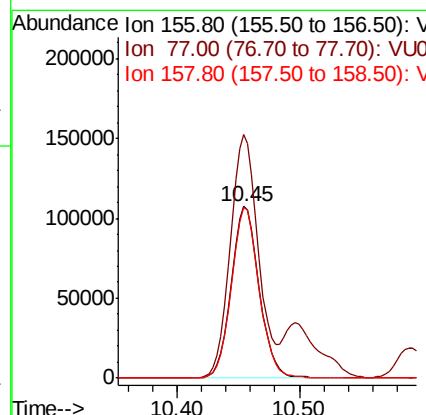
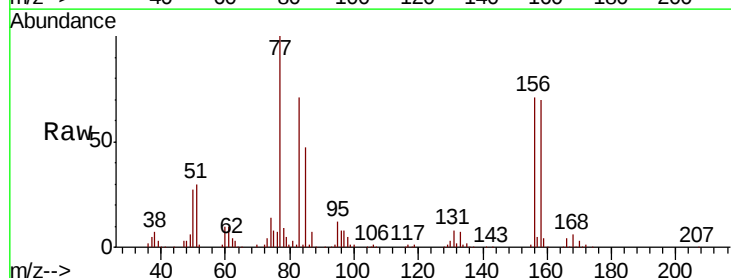
Manual Integrations
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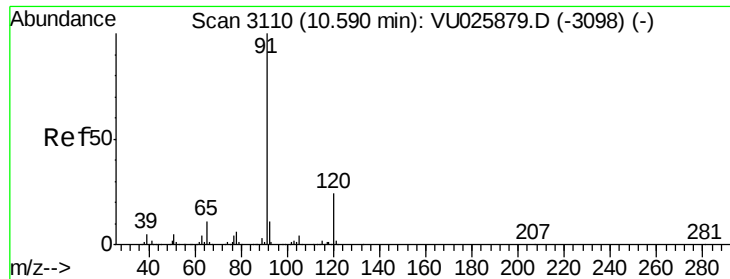
MMDadoda
 8/7/2018 1:51:50 PM



#77
 Bromobenzene
 Concen: 50.35 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VU025929.D
 Acq: 07 Aug 2018 08:55

Tgt Ion: 156 Resp: 172326
 Ion Ratio Lower Upper
 156 100
 77 141.7 73.8 221.4
 158 98.2 48.0 144.0





#78

n-propylbenzene

Concen: 50.86 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

ClientSampled :

FL-0536MS

Tot Ion: 91 Resp: 736599

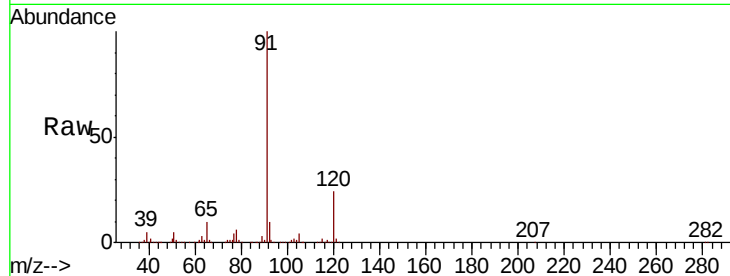
Ion Ratio Lower Upper

91 100

120 23.9 11.8 35.3

Manual Integrations
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MMDadoda
8/7/2018 1:51:50 PM



Abundance Ion 91.00 (90.70 to 91.70): VU025879.D (-3098) (-)

Ion 120.00 (119.70 to 120.70): VU025879.D (-3098) (-)

10.59

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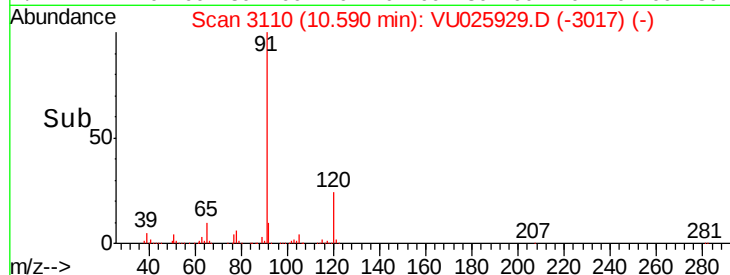
10.59

10.59

10.59

10.59

10.59



#79

2-Chlorotoluene

Concen: 51.91 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025929.D

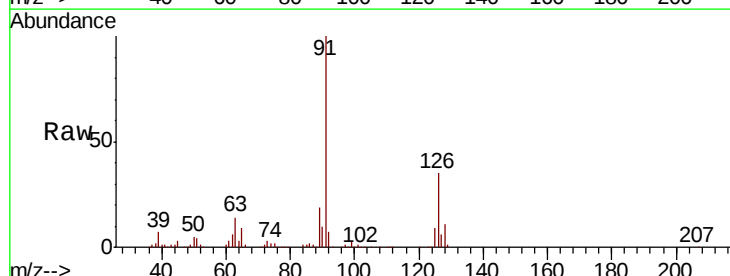
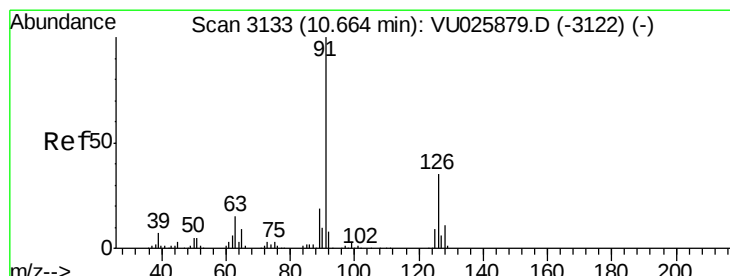
Acq: 07 Aug 2018 08:55

Tgt Ion: 91 Resp: 440408

Ion Ratio Lower Upper

91 100

126 34.3 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VU025879.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025879.D (-3122) (-)

10.66

10.66

10.66

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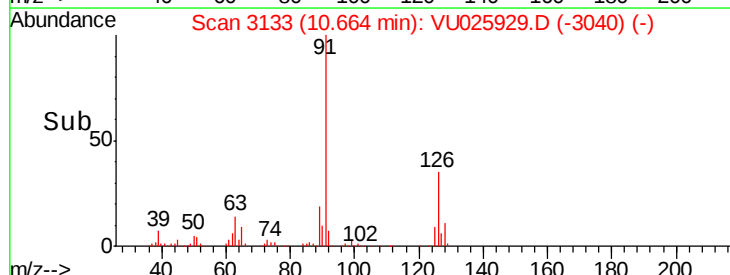
10.66

10.66

10.66

10.66

10.66



Abundance Ion 91.00 (90.70 to 91.70): VU025929.D (-3040) (-)

Ion 125.90 (125.60 to 126.60): VU025929.D (-3040) (-)

10.66

10.66

10.66

10.66

10.66

10.66

10.66

10.66

10.66

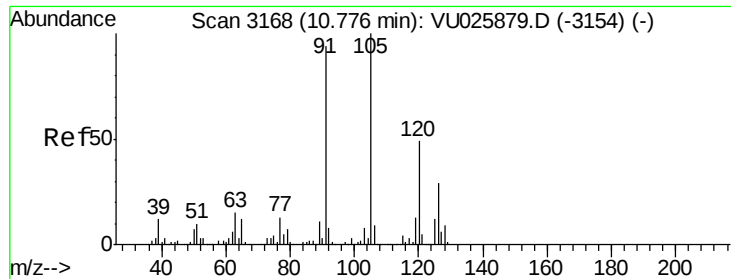
10.66

10.66

10.66

10.66

10.66



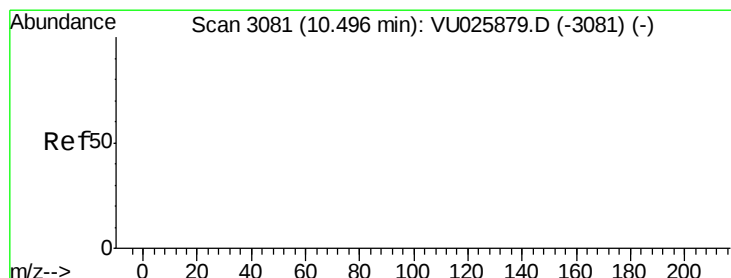
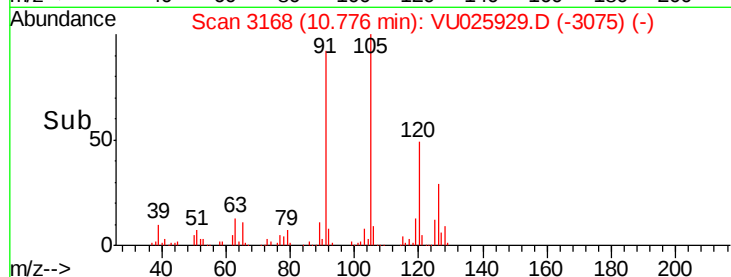
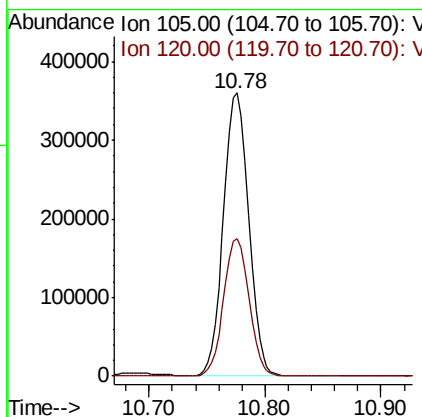
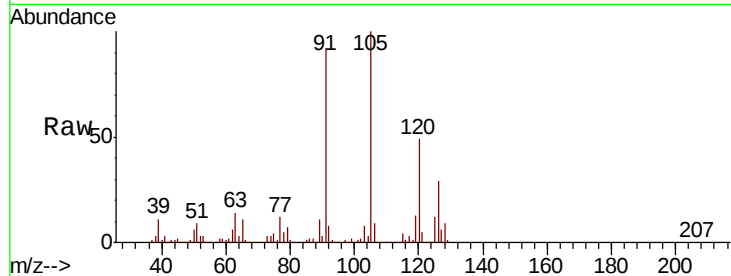
#80
 1,3,5-Trimethylbenzene
 Concen: 51.60 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025929.D
 Acq: 07 Aug 2018 08:55

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0536MS

Tot Ion:105 Resp: 543764
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.1 72.2

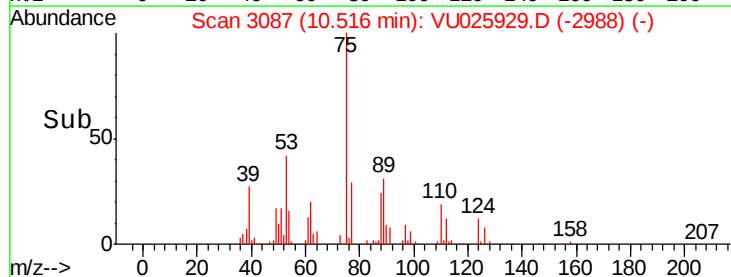
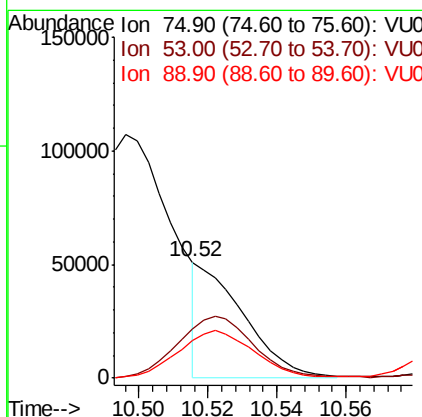
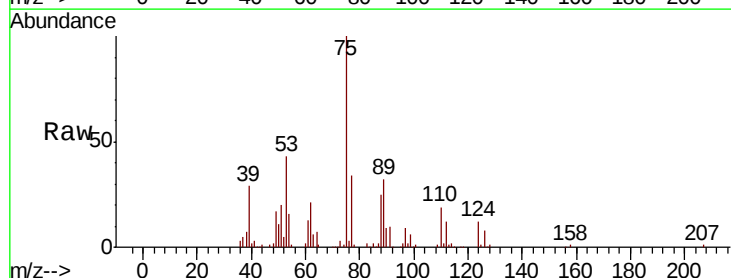
Manual Integrations
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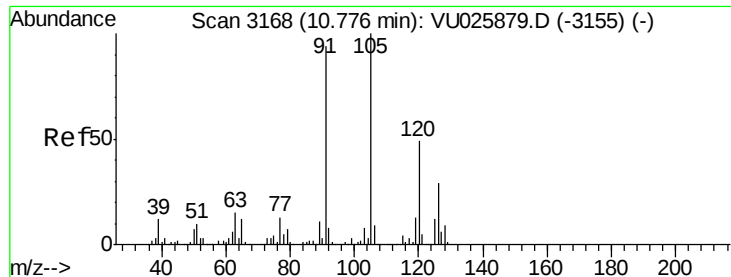
MMDadoda
 8/7/2018 1:51:50 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 28.81 ug/l m
 RT: 10.52 min Scan# 3087
 Delta R.T. 0.02 min
 Lab File: VU025929.D
 Acq: 07 Aug 2018 08:55

Tgt Ion: 75 Resp: 46023
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 51.18 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

ClientSampled :

FL-0536MS

Tot Ion: 91 Resp: 511794

Ion Ratio Lower Upper

91 100

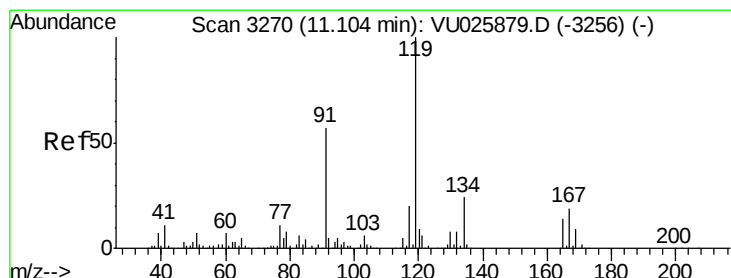
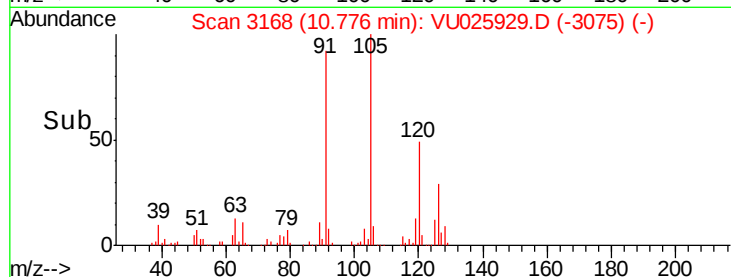
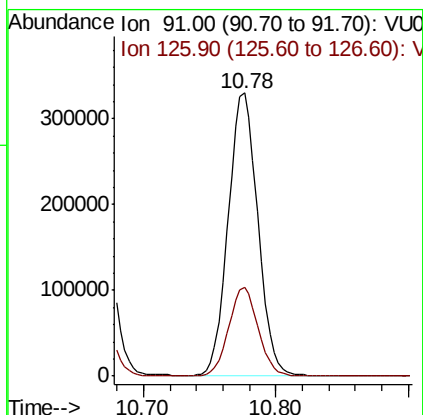
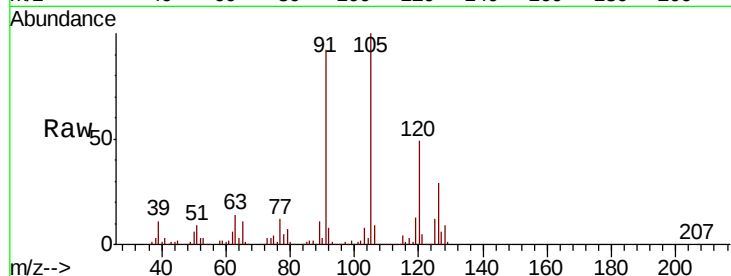
126 31.1 15.3 45.9

Manual Integrations

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#83

tert-Butylbenzene

Concen: 50.89 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

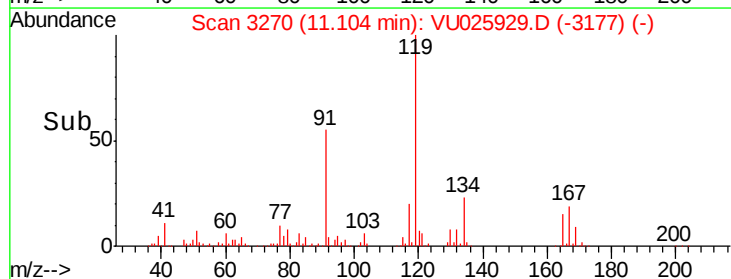
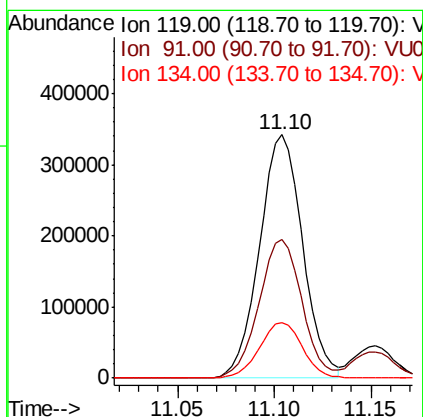
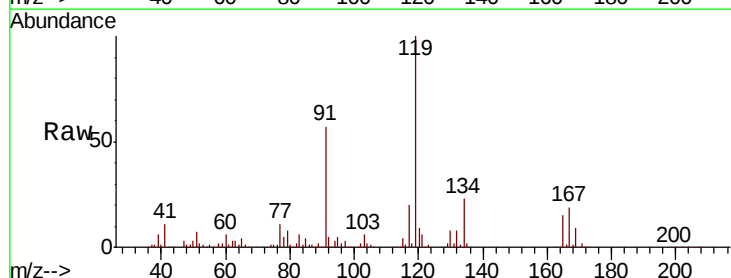
Tgt Ion: 119 Resp: 532873

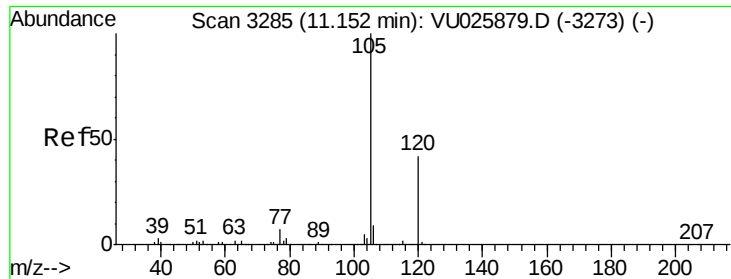
Ion Ratio Lower Upper

119 100

91 56.9 29.7 89.1

134 22.7 11.5 34.5





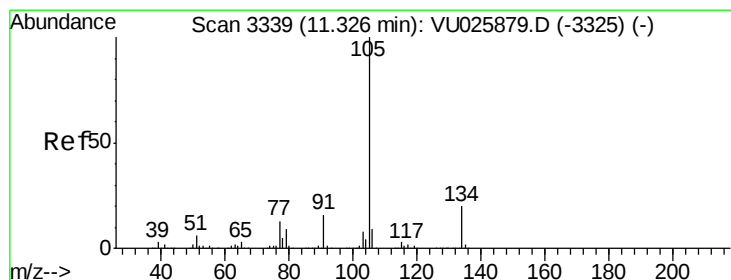
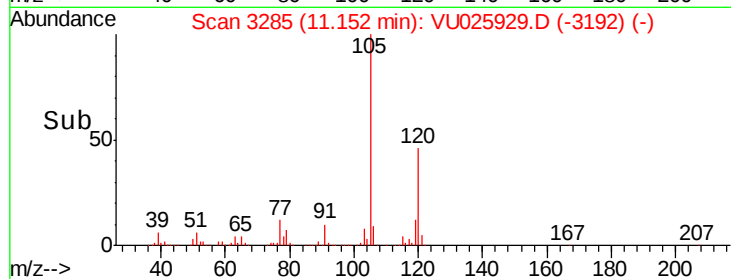
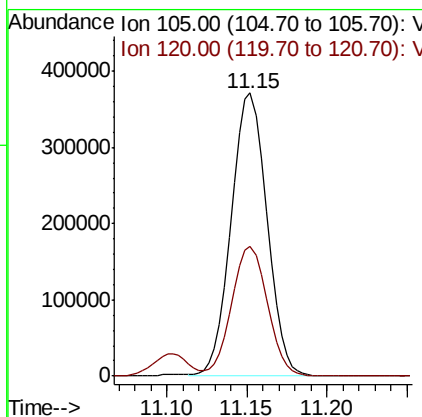
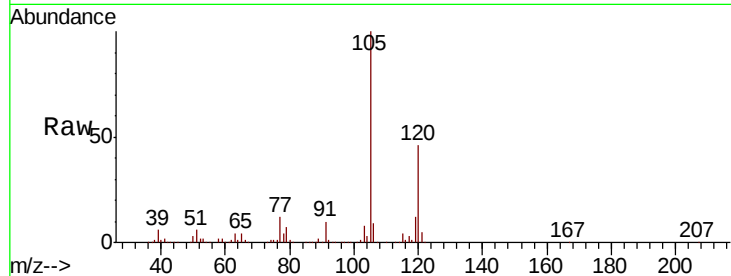
#84
 1,2,4-Trimethylbenzene
 Concen: 52.89 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU025929.D
 Acq: 07 Aug 2018 08:55

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0536MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.3	66.8

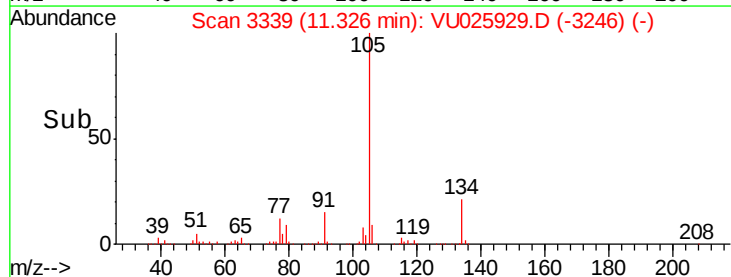
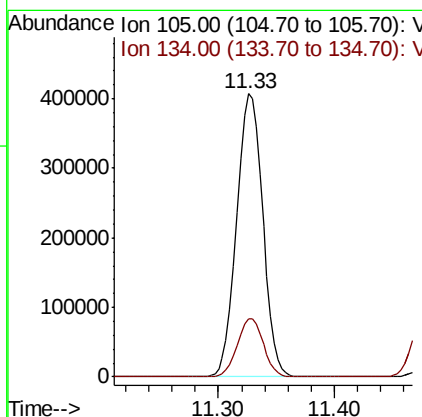
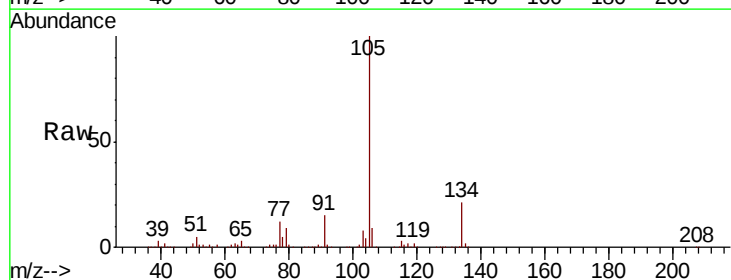
Manual Integrations
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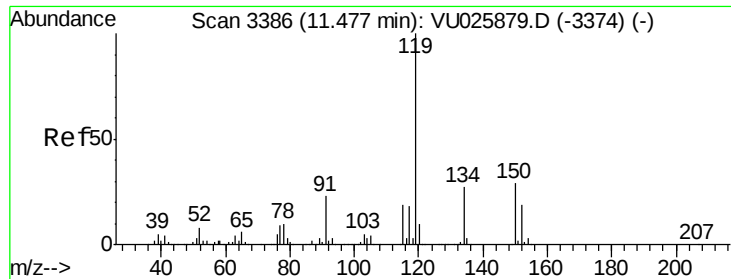
MMDadoda
 8/7/2018 1:51:50 PM



#85
 sec-Butylbenzene
 Concen: 49.62 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025929.D
 Acq: 07 Aug 2018 08:55

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.3	30.8





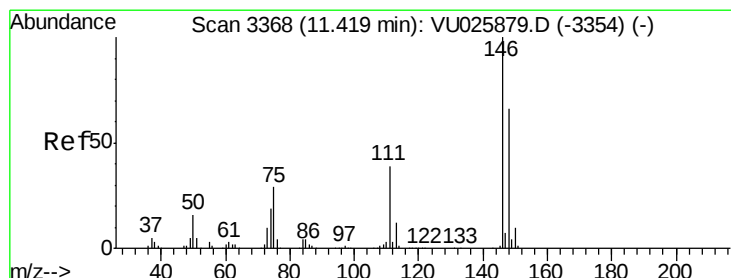
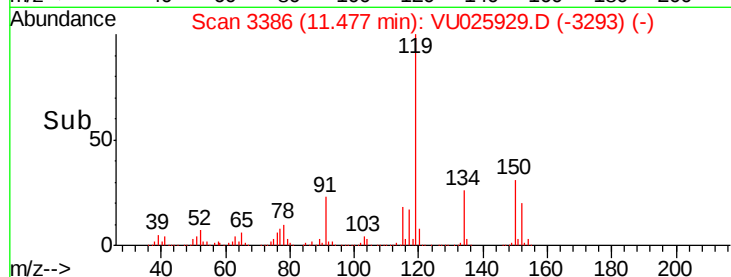
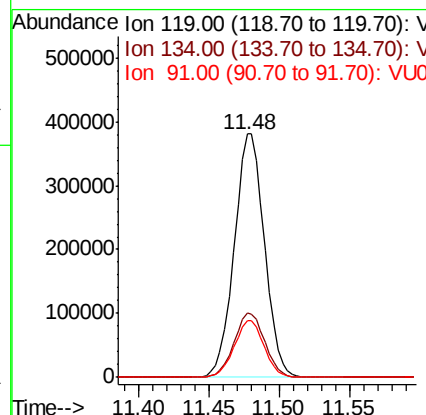
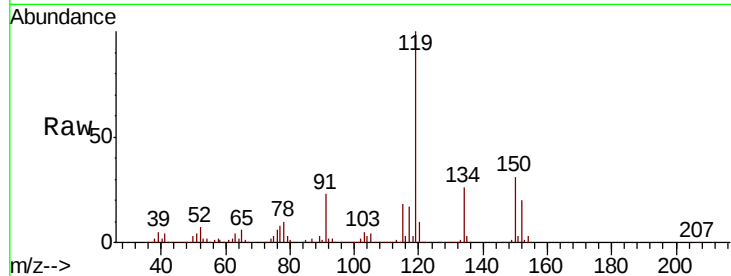
#86
 p-Isopropyltoluene
 Concen: 49.63 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU025929.D
 Acq: 07 Aug 2018 08:55

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0536MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	568121		
134	26.7		13.2	39.5
91	23.3		12.0	36.1

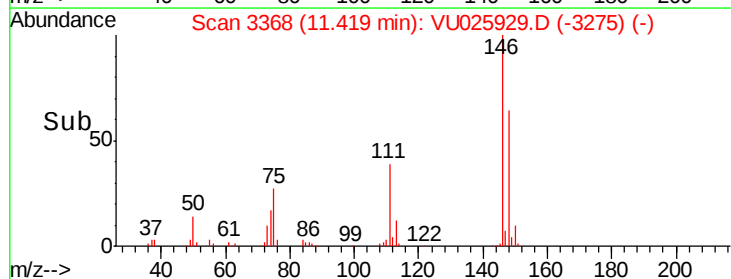
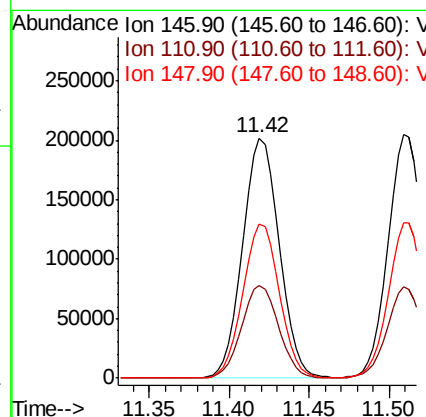
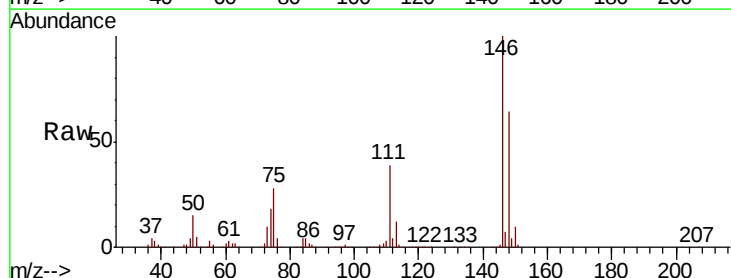
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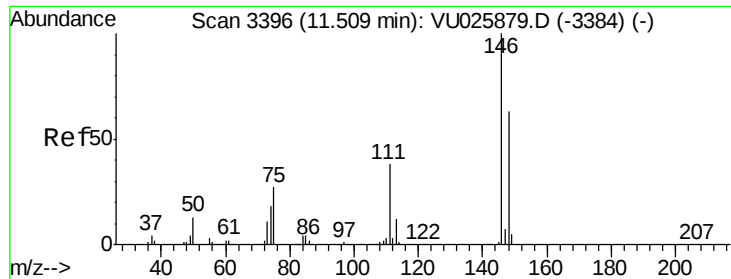
MMDadoda
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#87
 1,3-Dichlorobenzene
 Concen: 49.54 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025929.D
 Acq: 07 Aug 2018 08:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	314768		
111	39.0		19.7	59.1
148	64.0		32.1	96.3





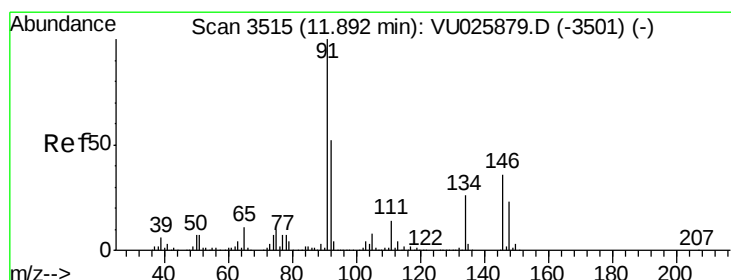
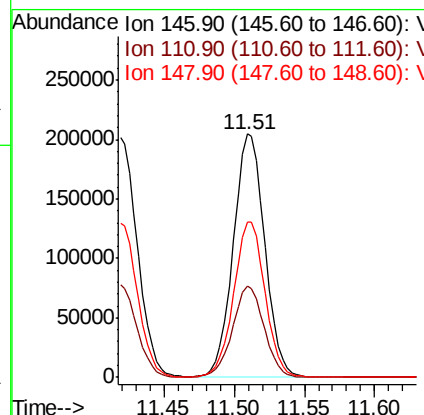
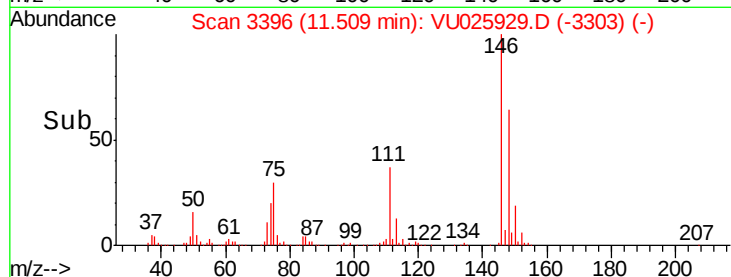
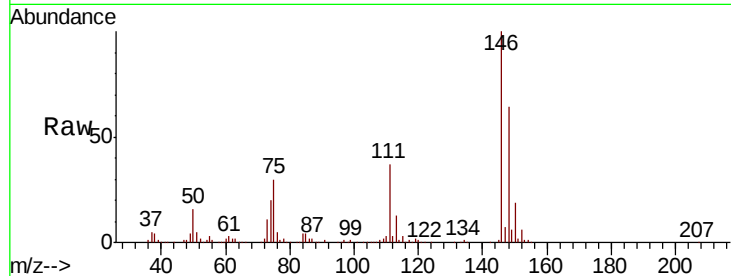
#88
 1,4-Dichlorobenzene
 Concen: 48.06 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025929.D
 Acq: 07 Aug 2018 08:55

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0536MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.1
148	64.0	31.7	95.1

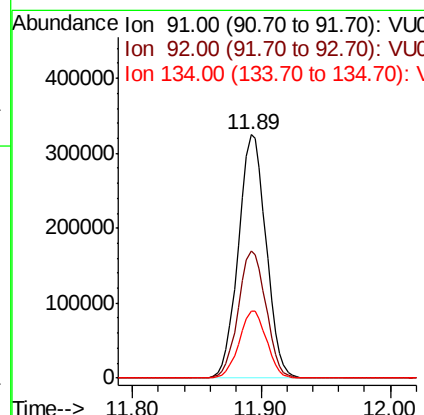
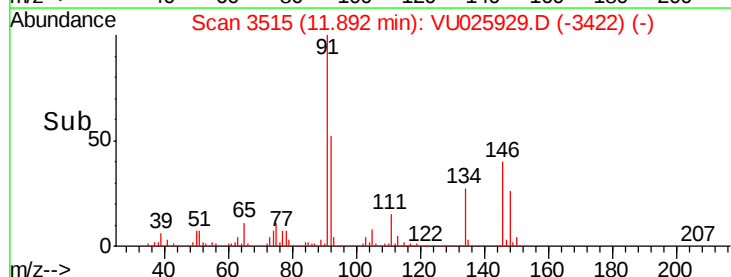
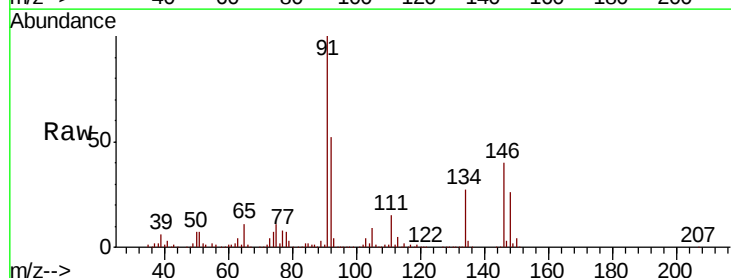
Manual Integrations
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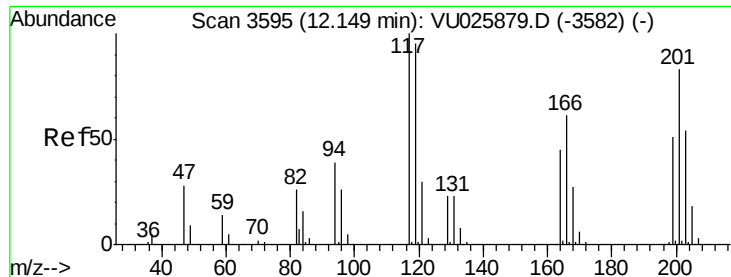
MMDadoda
 8/7/2018 1:51:50 PM



#89
 n-Butylbenzene
 Concen: 45.86 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU025929.D
 Acq: 07 Aug 2018 08:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.5	79.5
134	27.3	13.6	40.7





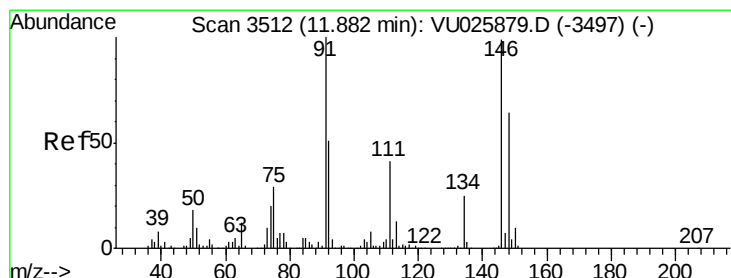
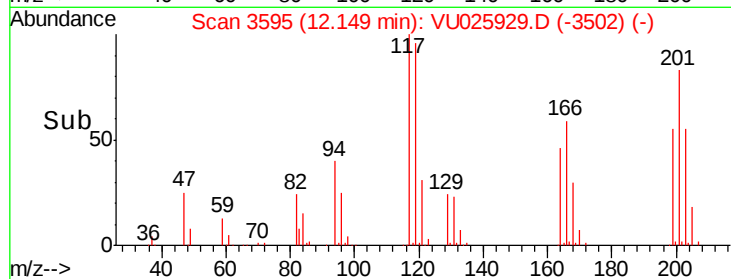
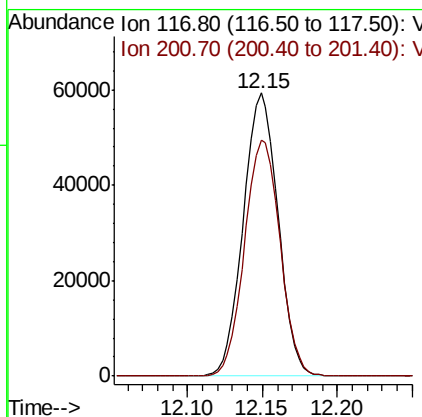
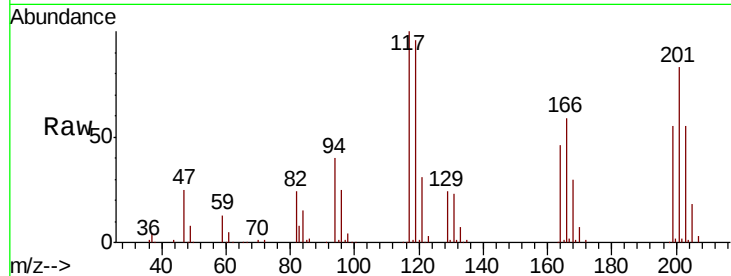
#90
Hexachloroethane
Concen: 47.32 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Instrument :
MSVOA_U
ClientSampleId :
FL-0536MS

Tot Ion	Ratio	Lower	Upper
117	100		
201	85.0	42.5	127.6

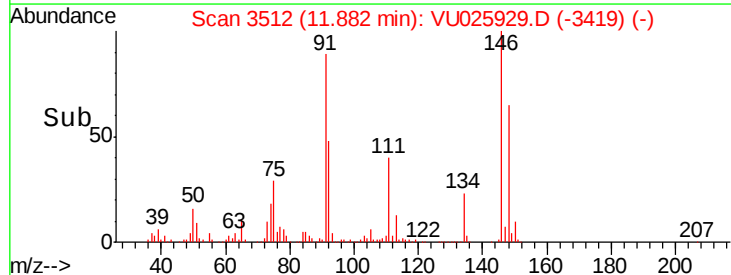
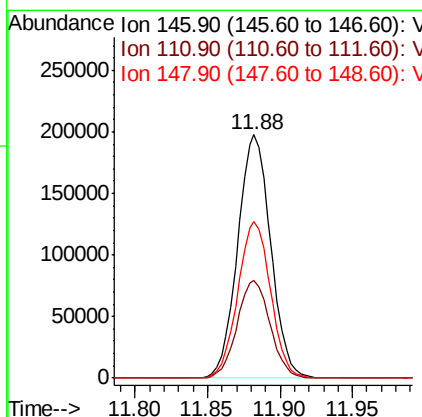
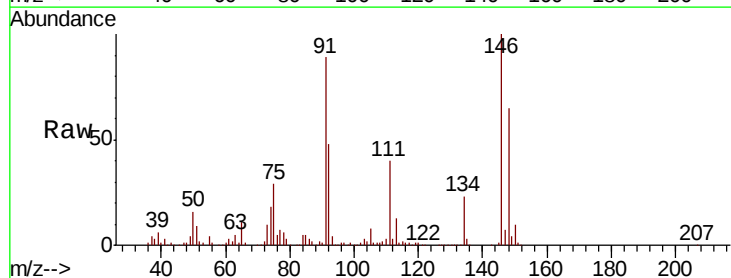
Manual Integrations
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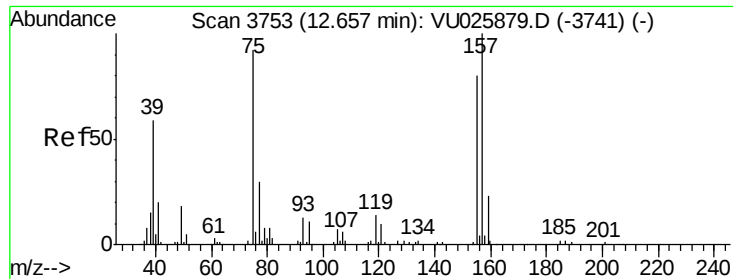
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 50.05 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VU025929.D
Acq: 07 Aug 2018 08:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.6	61.8
148	64.2	31.5	94.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 49.80 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

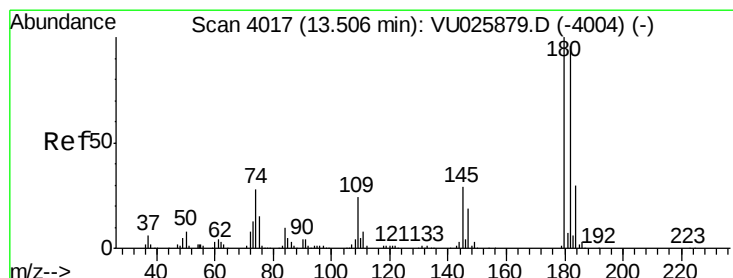
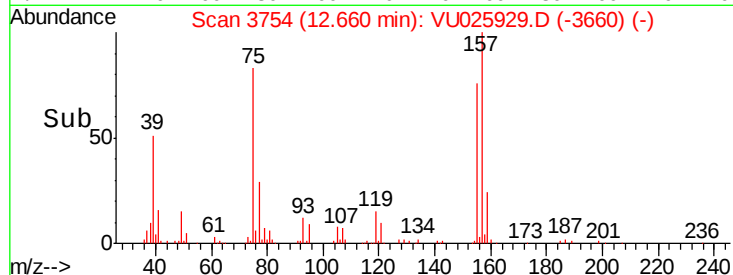
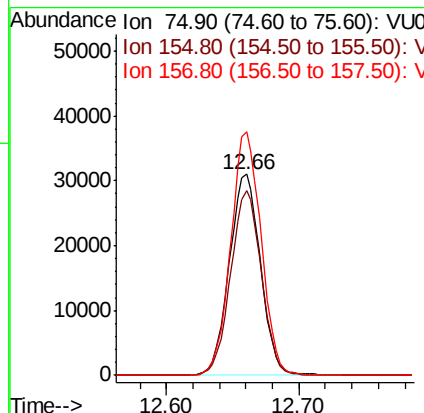
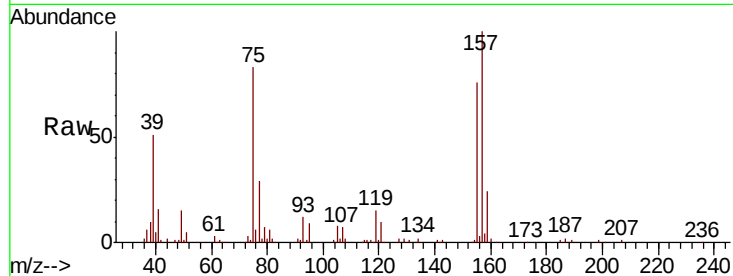
ClientSampled :

FL-0536MS

Tot Ion:	75	Resp:	50664
Ion	Ratio	Lower	Upper
75	100		
155	90.1	44.5	133.3
157	117.5	57.0	170.8

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 49.12 ug/l

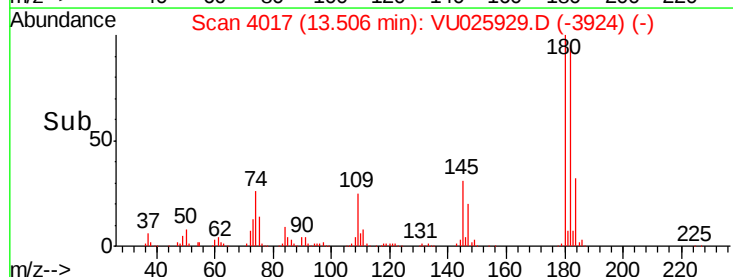
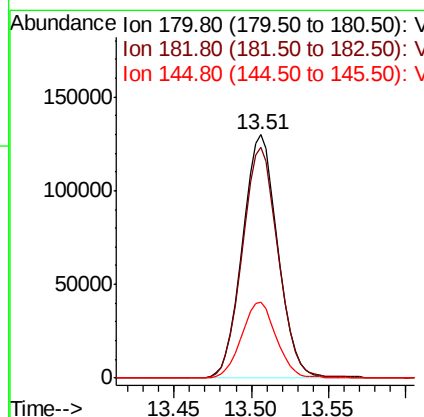
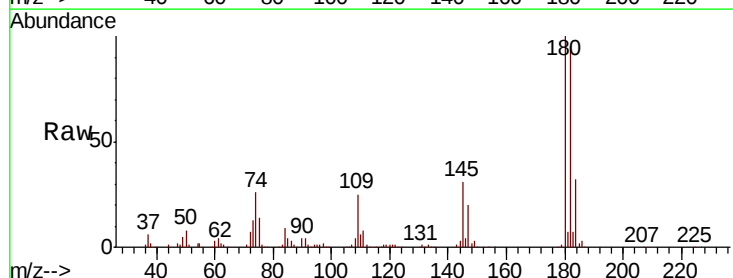
RT: 13.51 min Scan# 4017

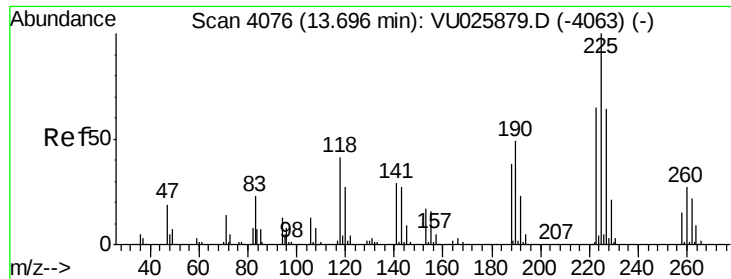
Delta R.T. -0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Tgt Ion:	180	Resp:	206474
Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.3	141.9
145	31.0	14.9	44.7





#94

Hexachlorobutadiene

Concen: 40.51 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU025929.D

Acq: 07 Aug 2018 08:55

Instrument :

MSVOA_U

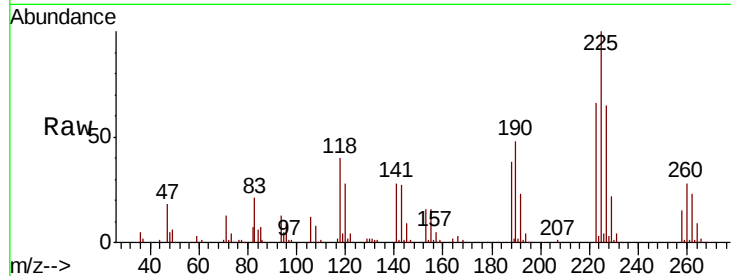
ClientSampled :

FL-0536MS

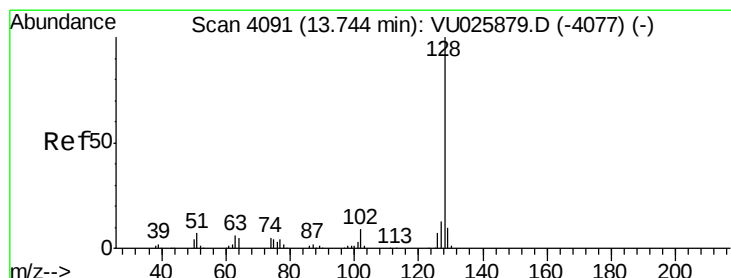
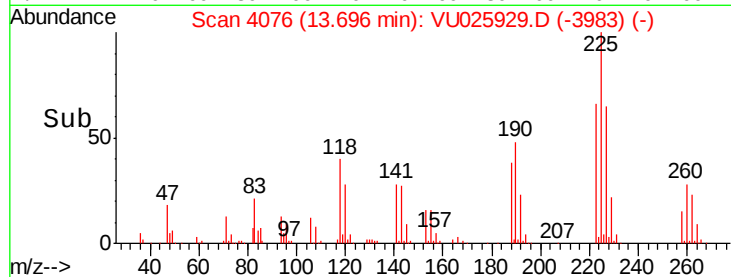
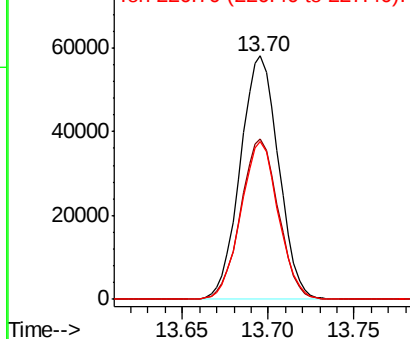
Tot Ion:	225	Resp:	89761
Ion Ratio	Lower	Upper	
225	100		
223	64.7	31.9	95.7
227	63.4	32.3	96.9

Manual Integrations
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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 47.15 ug/l

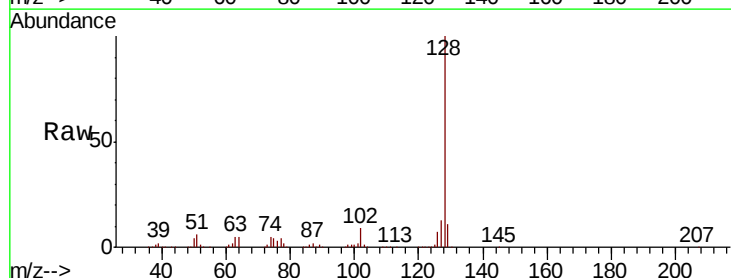
RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

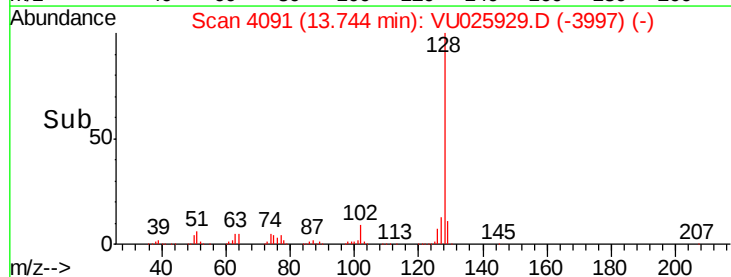
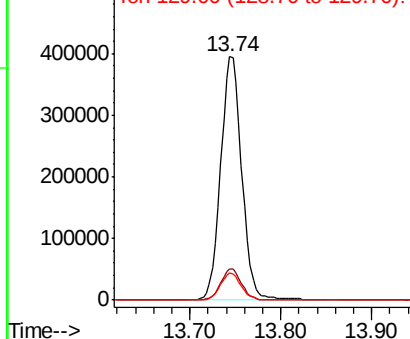
Lab File: VU025929.D

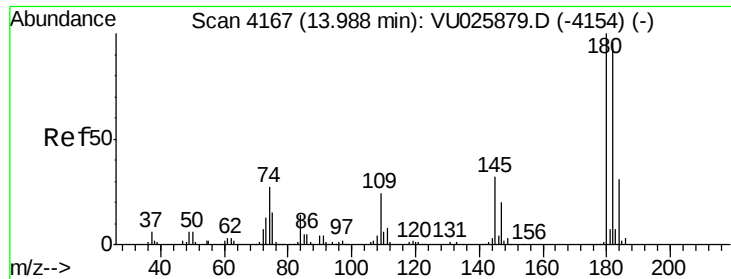
Acq: 07 Aug 2018 08:55

Tgt Ion:	128	Resp:	635626
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.5	15.7
129	10.8	8.3	12.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





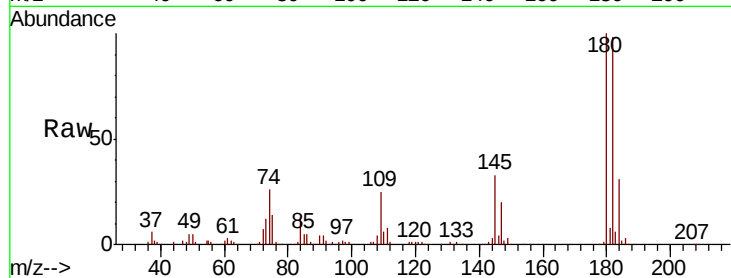
#96
 1,2,3-Trichlorobenzene
 Concen: 50.04 ug/l
 RT: 13.99 min Scan# 4167
 Delta R.T. -0.00 min
 Lab File: VU025929.D
 Acq: 07 Aug 2018 08:55

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0536MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	209824		
182	95.7		47.8	143.3
145	31.6		15.6	46.8

Manual Integrations
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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

