

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\
 Data File : VU026207.D
 Acq On : 20 Aug 2018 14:40
 Operator : MD/SY
 Sample : VU0820WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0820WBS01

Manual Integrations
 APPROVED

MMDadoda

8/21/2018 11:34:28 AM

Quant Time: Aug 21 08:27:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:35:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	41871	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	14901	0.99	ug/l	0.00
Spiked Amount	1.000		Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	16280	0.93	ug/l	0.00
Spiked Amount	1.000		Recovery	=	93.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	34429	2.11	ug/l	99
3) Chloromethane	1.33	50	30204	2.17	ug/l	100
4) Vinyl Chloride	1.40	62	30435	2.19	ug/l	99
5) Bromomethane	1.63	94	17838	2.33	ug/l	97
6) Chloroethane	1.70	64	17904	2.15	ug/l	96
7) Trichlorofluoromethane	1.89	101	44059	2.15	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	24394	2.14	ug/l	97
9) 1,1-Dichloroethene	2.29	96	20941	2.15	ug/l	91
10) Iodomethane	2.41	142	31160	2.23	ug/l	90
11) Allyl Chloride	2.59	41	37472	2.29	ug/l	89
12) Acrylonitrile	2.94	53	9584	4.35	ug/l	99
13) Acetone	2.32	43	19998	10.12	ug/l	93
14) Carbon Disulfide	2.48	76	72770	2.17	ug/l	97
15) Methylene Chloride	2.70	84	26800	2.29	ug/l	98
16) trans-1,2-Dichloroethene	2.98	96	23768	2.11	ug/l	94
17) 1,1-Dichloroethane	3.45	63	45381	2.20	ug/l	97
18) 2-Butanone	4.28	43	35565	11.27	ug/l	97
19) Cyclohexane	5.00	56	32670	2.16	ug/l	89
20) Methylcyclohexane	6.42	83	38657	2.18	ug/l	98
21) 2,2-Dichloropropane	4.23	77	46604	2.20	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	28986	2.12	ug/l	95
23) Diethyl Ether	2.11	59	15566	2.09	ug/l	93
24) tert-Butyl Alcohol	2.83	59	17287	22.69	ug/l #	77
25) Methyl tert-Butyl Ether	3.00	73	53687	2.12	ug/l #	91
26) Bromochloromethane	4.55	128	12466	2.04	ug/l	87
27) Chloroform	4.68	83	50867	2.14	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	46994	2.22	ug/l	97
29) 1,1-Dichloropropene	5.14	75	36192	2.17	ug/l	96
30) Carbon Tetrachloride	5.14	117	43744	2.19	ug/l	94
31) Isopropyl Ether	3.58	45	73825	2.18	ug/l	92
32) Ethyl-t-butyl ether	4.08	59	65443	2.20	ug/l	95
33) Tert-Amyl methyl ether	5.59	73	53678	2.12	ug/l	97
34) Propionitrile	4.34	54	9776	10.88	ug/l #	89
35) Benzene	5.39	78	103585	2.15	ug/l	100
36) 1,2-Dichloroethane	5.41	62	32560	2.18	ug/l	95
37) Trichloroethene	6.19	130	29735	2.19	ug/l	94
38) 1,2-Dichloropropane	6.44	63	27821	2.23	ug/l	96
39) Methacrylonitrile	4.55	41	8442	2.23	ug/l	91
40) Methyl acrylate	4.43	55	13112	2.28	ug/l #	90
41) Tetrahydrofuran	4.66	42	8639	4.09	ug/l	94
42) 1-Chlorobutane	5.07	56	50414	2.23	ug/l	99

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Manual Integrations
 APPROVED

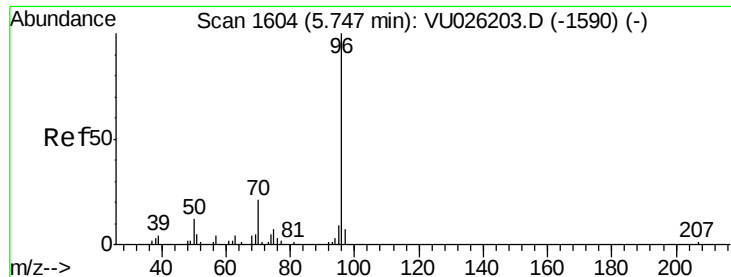
MMDadoda

8/21/2018 11:34:28 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	13694	2.06	ug/l	97
44) Bromodichloromethane	6.76	83	36576	2.13	ug/l	98
45) 4-Methyl-2-Pentanone	7.47	43	72094	10.71	ug/l	98
46) t-1,4-Dichloro-2-butene	10.52	75	13189m	4.28	ug/l	
47) Methyl methacrylate	6.63	69	21954	4.33	ug/l	96
48) Ethyl methacrylate	8.02	69	20439	2.20	ug/l	99
49) Toluene	7.64	92	60691	2.20	ug/l	96
50) t-1,3-Dichloropropene	7.88	75	31887	2.18	ug/l	95
51) cis-1,3-Dichloropropene	7.27	75	37616	2.22	ug/l	95
52) 1,1,2-Trichloroethane	8.07	97	20034	2.22	ug/l	92
53) 1,3-Dichloropropane	8.25	76	32171	2.15	ug/l	100
54) 2-Hexanone	8.37	43	49535	10.34	ug/l	99
55) Dibromochloromethane	8.48	129	26437	2.20	ug/l	96
56) 1,2-Dibromoethane	8.59	107	18508	2.11	ug/l	100
58) Tetrachloroethene	8.23	164	26980	2.10	ug/l	98
59) Chlorobenzene	9.12	112	69628	2.18	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	27707	2.18	ug/l	98
61) Pentachloroethane	11.10	117	22580	2.08	ug/l	96
62) Hexachloroethane	12.15	117	22897	2.11	ug/l	100
63) Ethyl Benzene	9.25	91	107147	2.12	ug/l	96
64) m/p-Xylenes	9.38	106	89926	4.45	ug/l	96
65) o-Xylene	9.78	106	42765	2.22	ug/l	96
66) Styrene	9.80	104	72942	2.21	ug/l	99
67) Bromoform	9.96	173	15155	2.14	ug/l	97
69) Isopropylbenzene	10.17	105	109062	2.14	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	23556	2.09	ug/l	98
71) 1,2,3-Trichloropropane	10.50	75	17449m	2.16	ug/l	
72) Bromobenzene	10.45	156	30914	2.17	ug/l	97
73) n-propylbenzene	10.59	120	31760	2.13	ug/l	99
74) 2-Chlorotoluene	10.66	126	29991	2.23	ug/l	89
75) 1,3,5-Trimethylbenzene	10.77	105	100201	2.21	ug/l	100
76) 4-Chlorotoluene	10.78	126	31629	2.29	ug/l	93
77) tert-Butylbenzene	11.10	119	97528	2.16	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	106534	2.27	ug/l	98
79) sec-Butylbenzene	11.33	105	132076	2.24	ug/l	99
80) Nitrobenzene	12.87	77	5331	10.80	ug/l	98
81) p-Isopropyltoluene	11.48	119	109658	2.19	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	65504	2.18	ug/l	100
83) 1,4-Dichlorobenzene	11.51	146	65599	2.19	ug/l	98
84) n-Butylbenzene	11.89	91	104150	2.15	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	57894	2.10	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	4117	2.07	ug/l	95
87) 1,2,4-Trichlorobenzene	13.51	180	41123	2.12	ug/l	100
88) Hexachlorobutadiene	13.69	225	25693	2.17	ug/l	98
89) Naphthalene	13.74	128	59877	1.96	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	38457	2.11	ug/l	99

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



#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

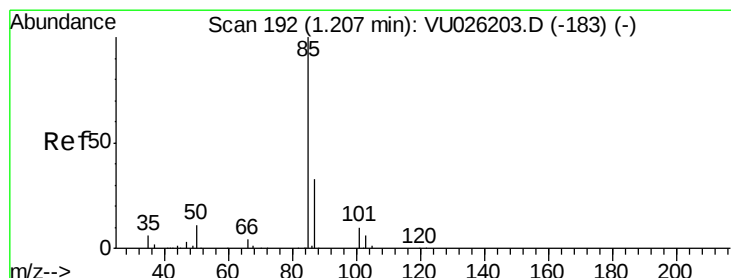
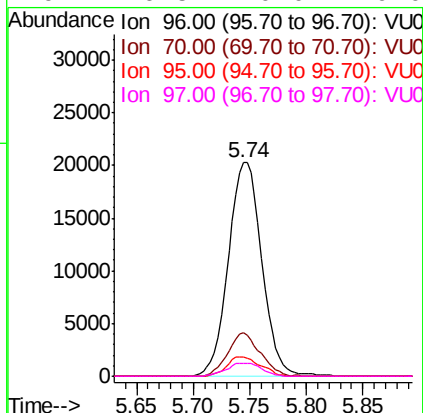
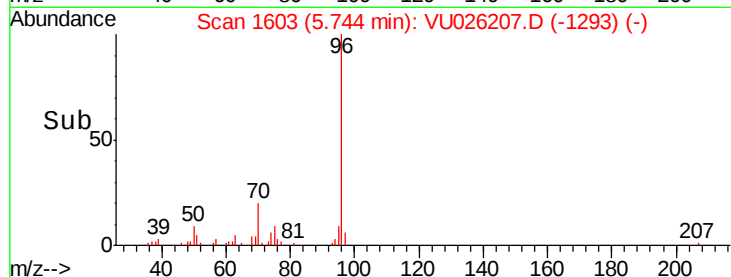
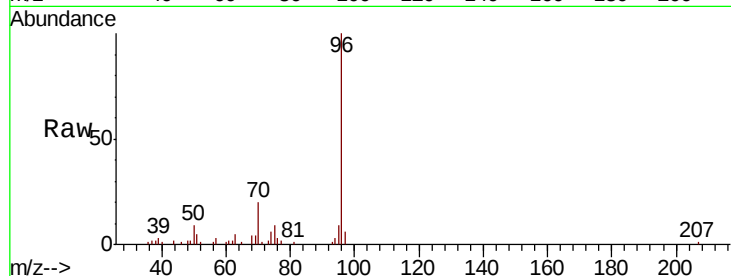
VU0820WBS01

Tot Ion:	96	Resp:	41871
Ion	Ratio	Lower	Upper
96	100		
70	19.4	16.2	24.4
95	9.0	6.9	10.3
97	6.5	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 2.11 ug/l

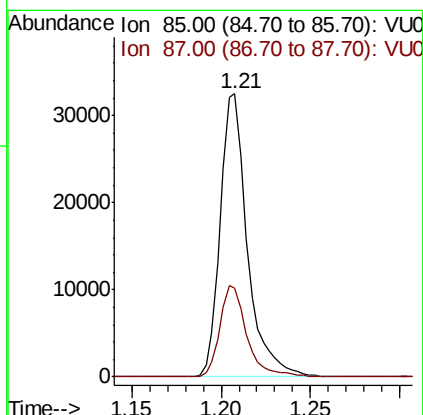
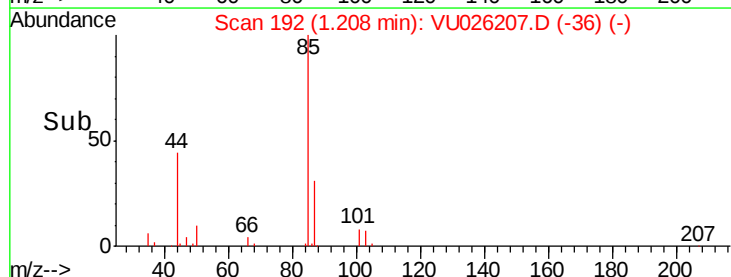
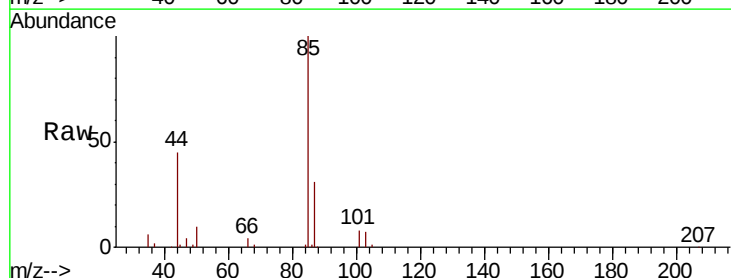
RT: 1.21 min Scan# 192

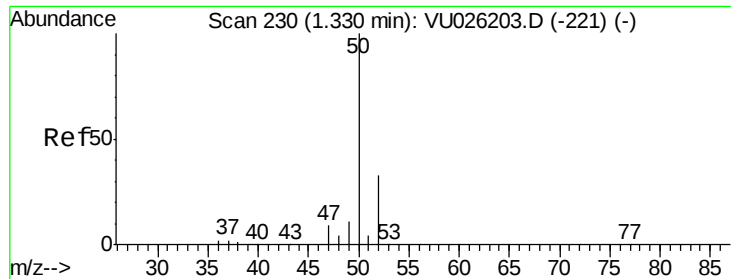
Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Tgt Ion:	85	Resp:	34429
Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.2	48.5





#3

Chloromethane

Concen: 2.17 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS01

Tot Ion: 50 Resp: 30204

Ion Ratio Lower Upper

50 100

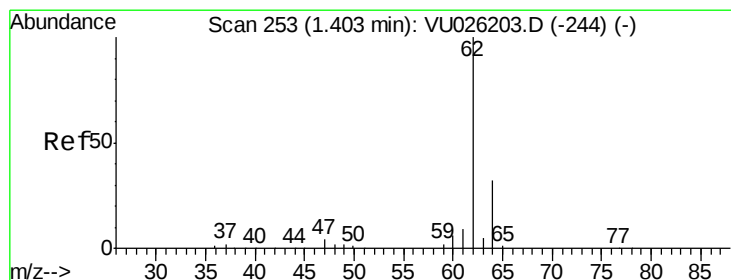
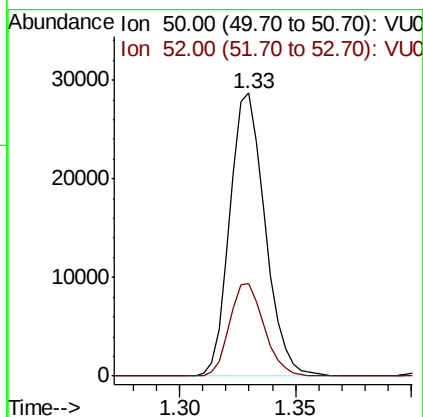
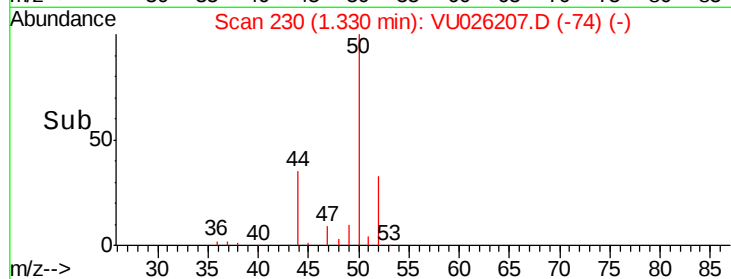
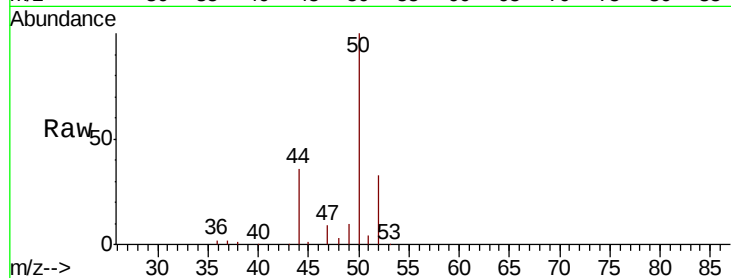
52 32.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.19 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026207.D

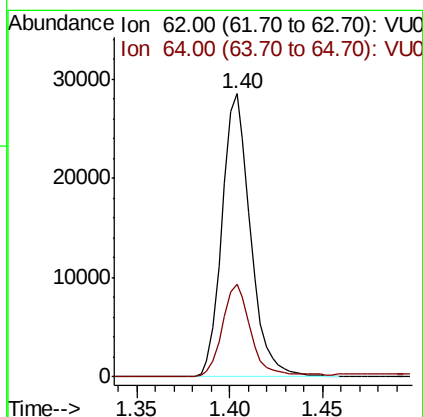
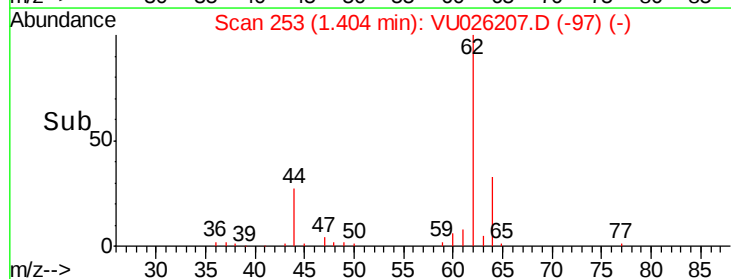
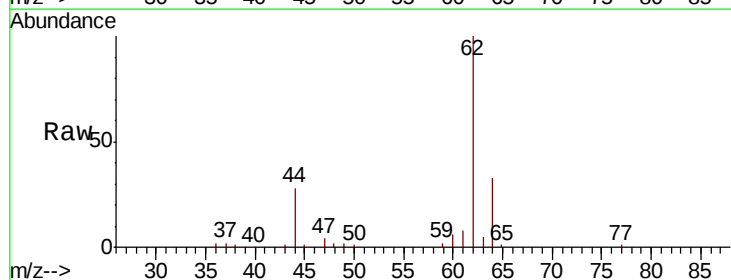
Acq: 20 Aug 2018 14:40

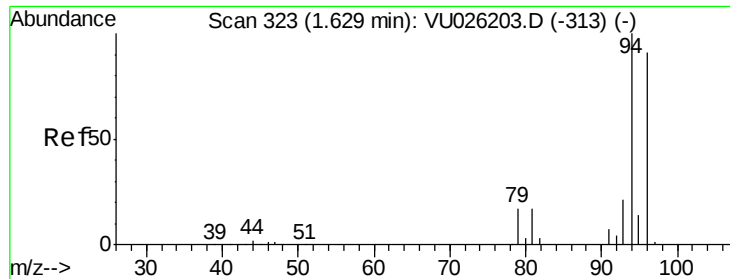
Tgt Ion: 62 Resp: 30435

Ion Ratio Lower Upper

62 100

64 32.7 25.8 38.8





#5

Bromomethane

Concen: 2.33 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS01

Tot Ion: 94 Resp: 17838

Ion Ratio Lower Upper

94 100

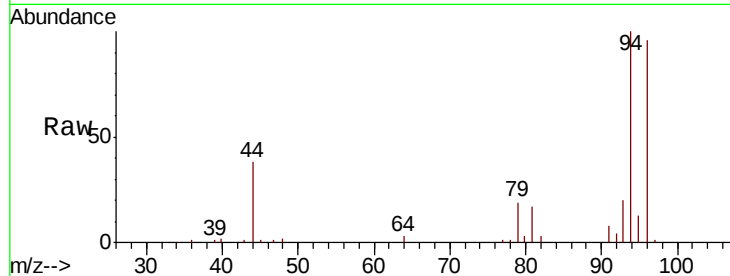
96 96.4 75.1 112.7

Manual Integrations

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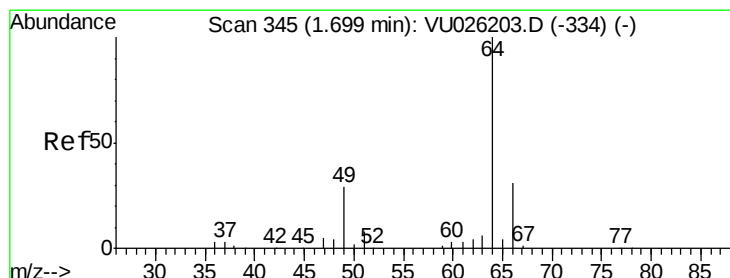
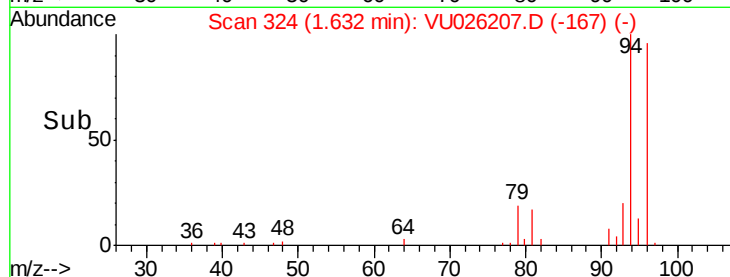
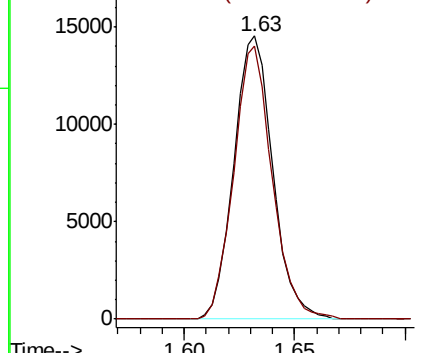
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 2.15 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026207.D

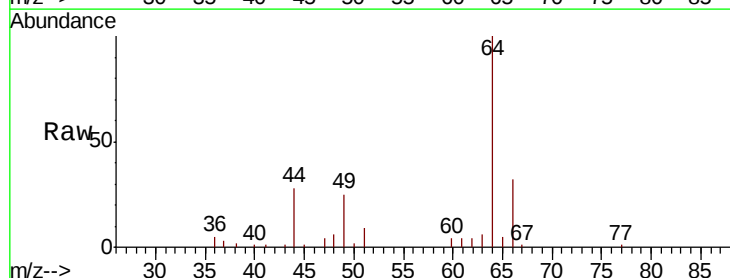
Acq: 20 Aug 2018 14:40

Tgt Ion: 64 Resp: 17904

Ion Ratio Lower Upper

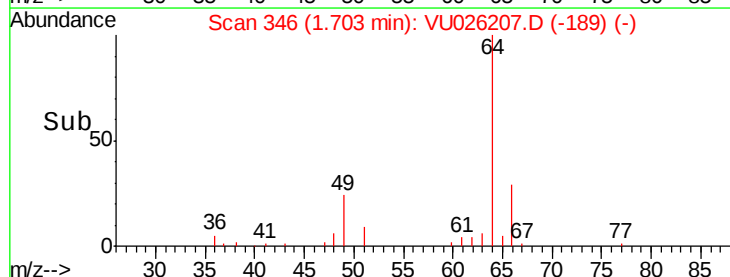
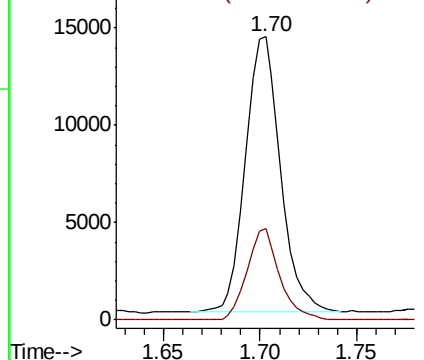
64 100

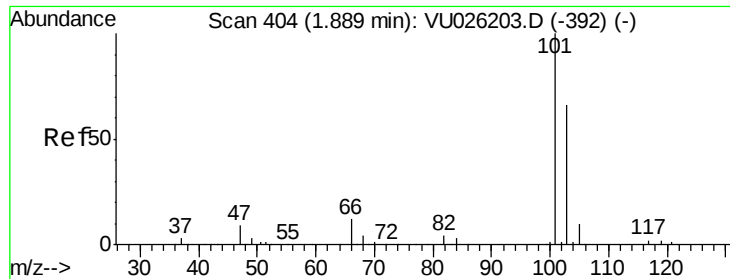
66 33.0 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

Trichlorofluoromethane

Concen: 2.15 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS01

Tot Ion:101 Resp: 44059

Ion Ratio Lower Upper

101 100

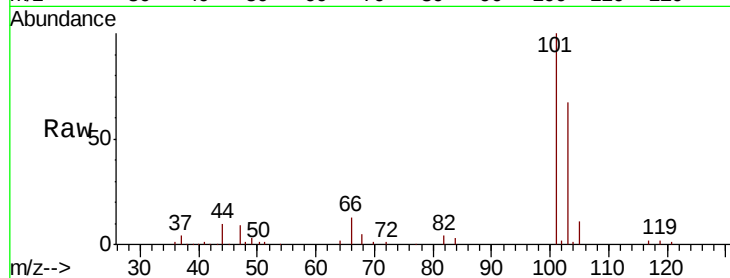
103 67.1 51.4 77.0

Manual Integrations

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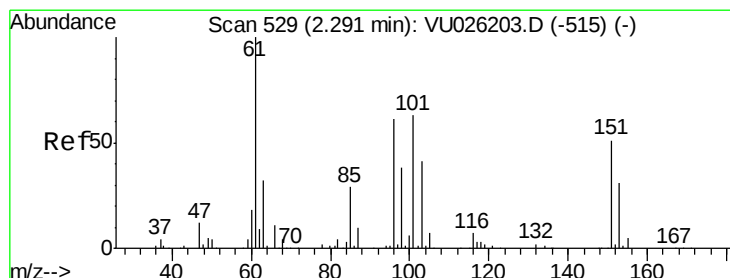
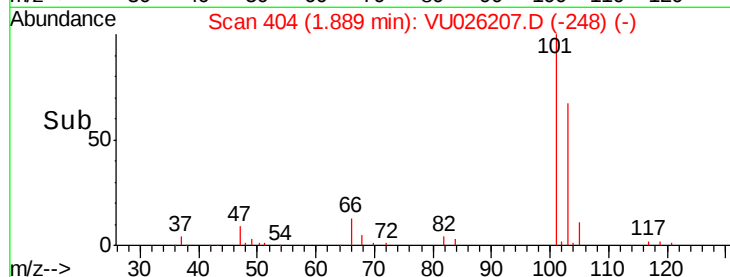
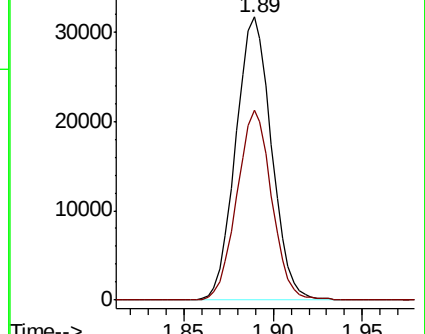
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.14 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

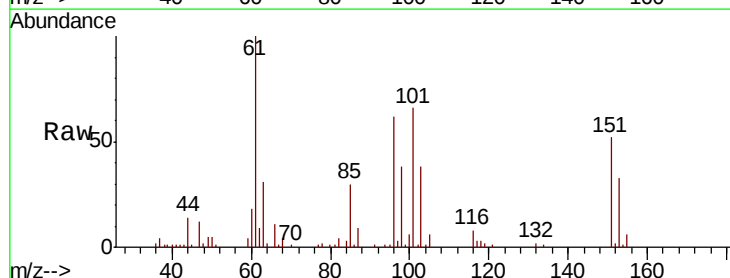
Tgt Ion:101 Resp: 24394

Ion Ratio Lower Upper

101 100

85 47.0 35.2 52.8

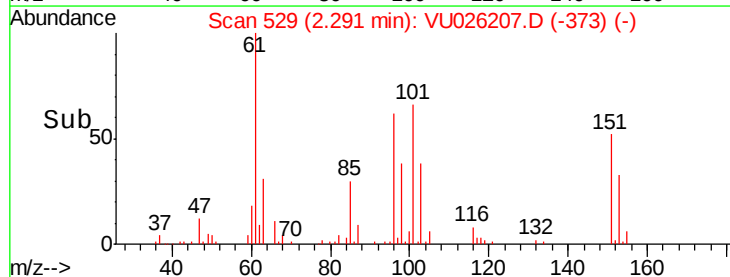
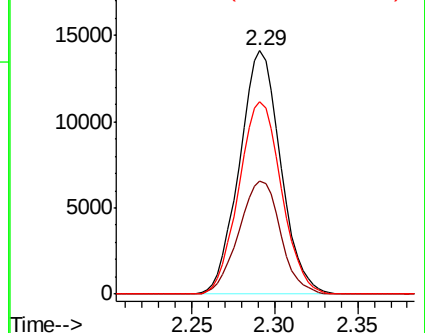
151 81.7 63.5 95.3

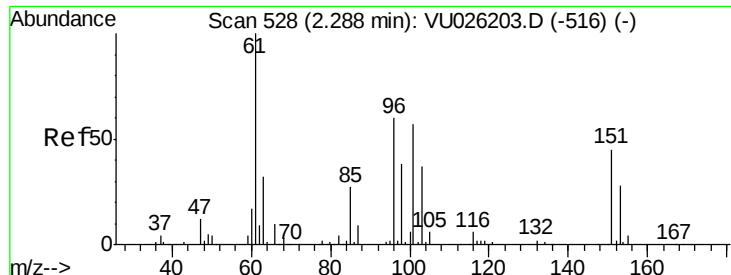


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9
 1,1-Dichloroethene
 Concen: 2.15 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

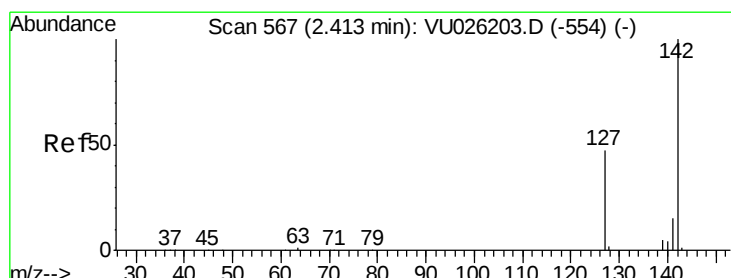
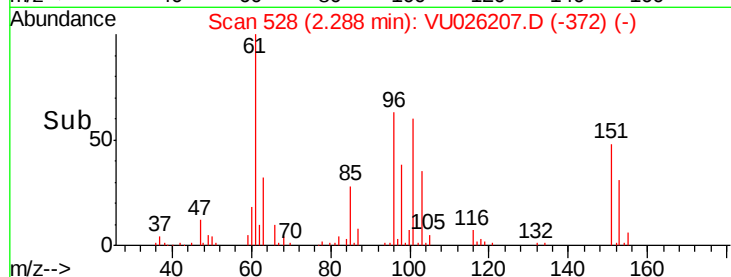
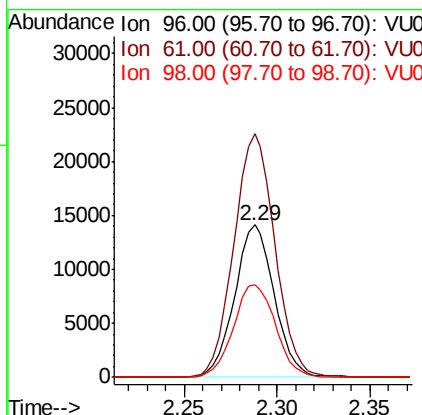
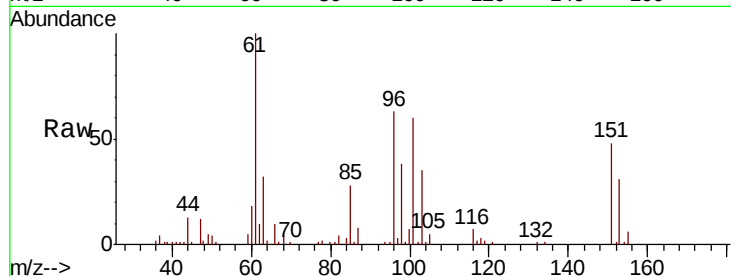
Instrument :
 MSVOA_U
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 VU0820WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.5	0.0	526.5
98	60.9	0.0	123.4

Manual Integrations
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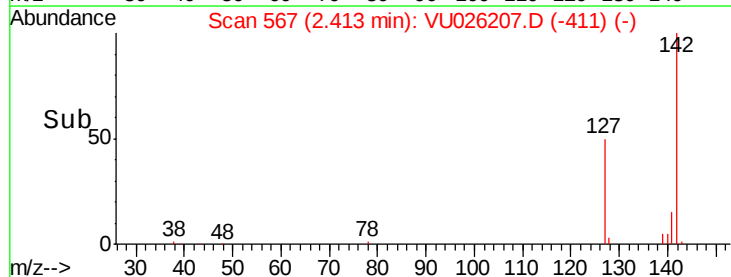
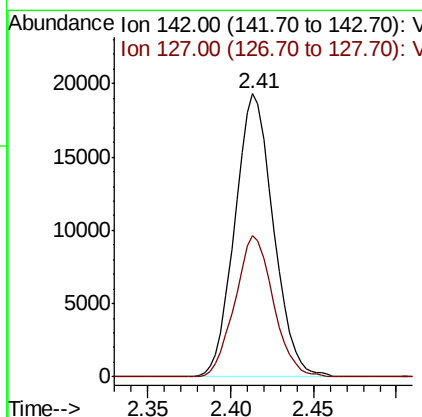
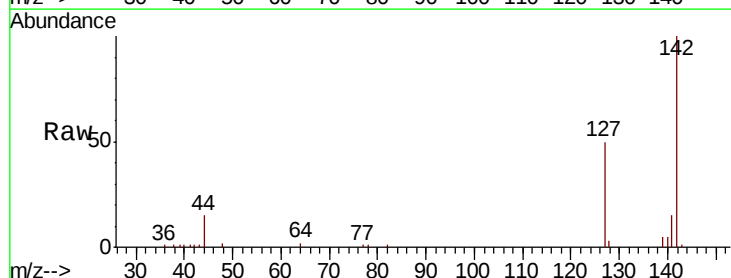
MMDadoda

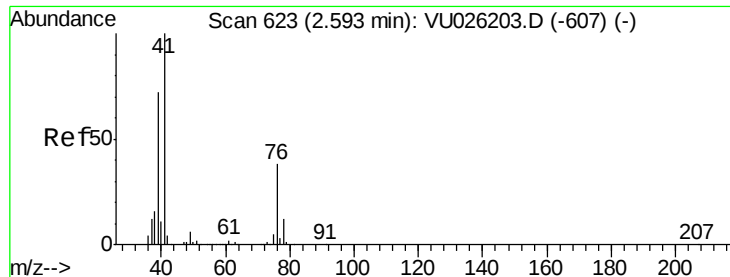
8/21/2018 11:34:28 AM



#10
 Iodomethane
 Concen: 2.23 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
142	100		
127	49.7	34.5	51.7





#11
Allvl Chloride
Concen: 2.29 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU026207.D
Acq: 20 Aug 2018 14:40

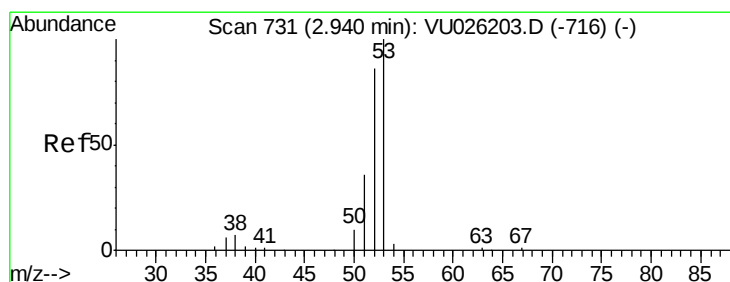
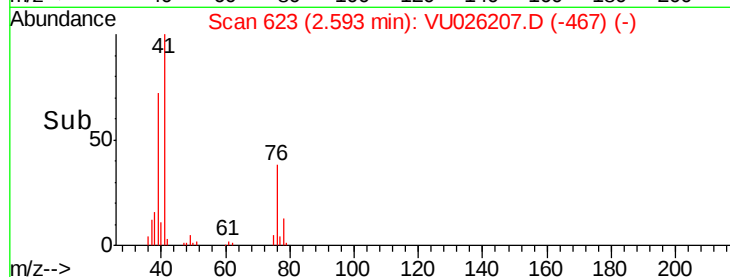
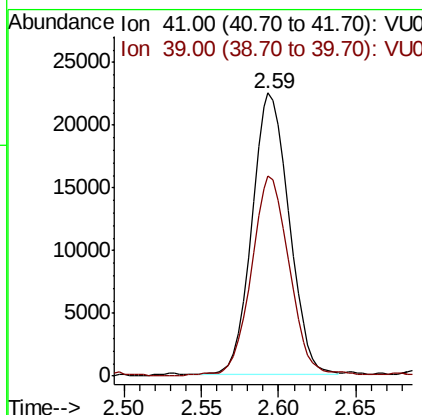
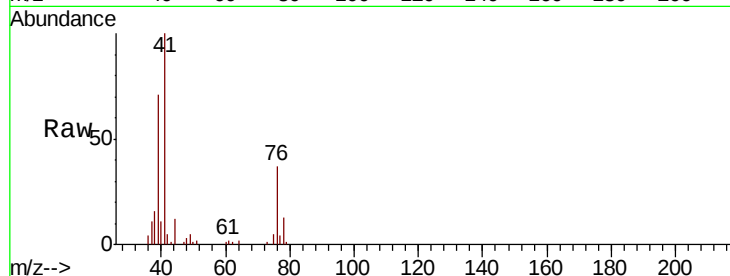
Instrument :
MSVOA_U
ClientSampled :
VU0820WBS01

Tot Ion: 41 Resp: 37472
Ion Ratio Lower Upper
41 100
39 73.0 51.4 77.2

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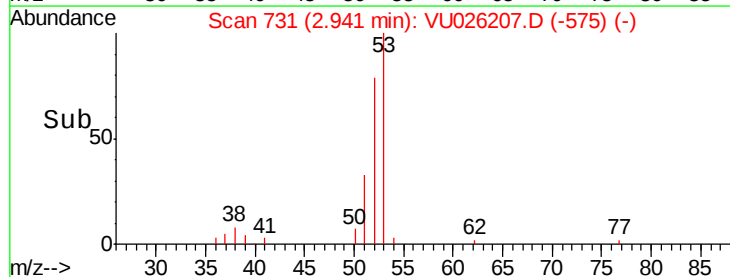
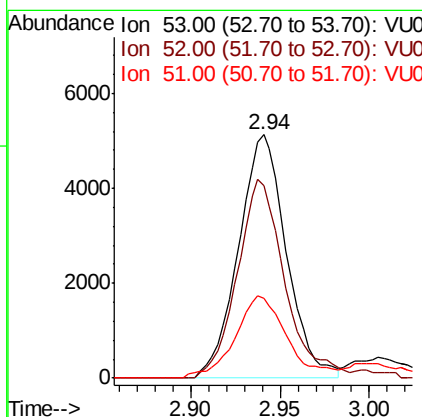
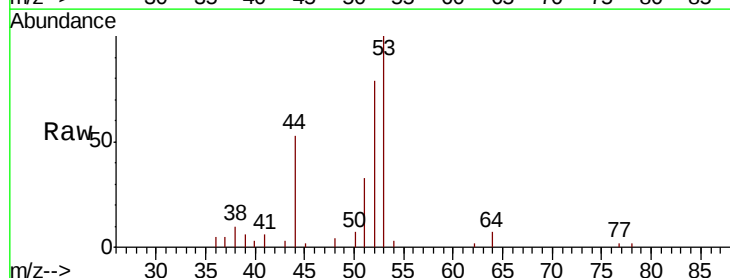
MMDadoda

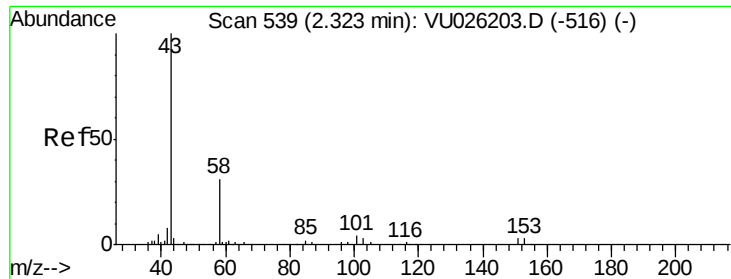
8/21/2018 11:34:28 AM



#12
Acrylonitrile
Concen: 4.35 ug/l
RT: 2.94 min Scan# 731
Delta R.T. 0.00 min
Lab File: VU026207.D
Acq: 20 Aug 2018 14:40

Tgt Ion: 53 Resp: 9584
Ion Ratio Lower Upper
53 100
52 80.8 65.1 97.7
51 36.7 30.2 45.4





#13

Acetone

Concen: 10.12 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS01

Tot Ion: 43 Resp: 19998

Ion Ratio Lower Upper

43 100

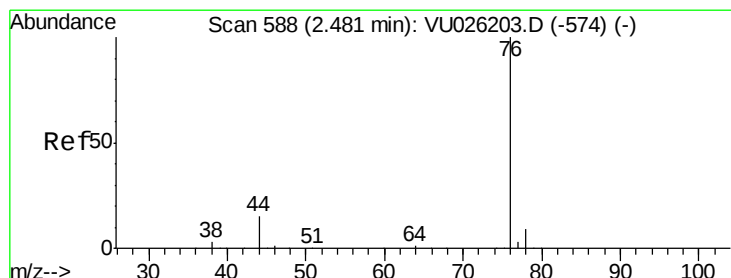
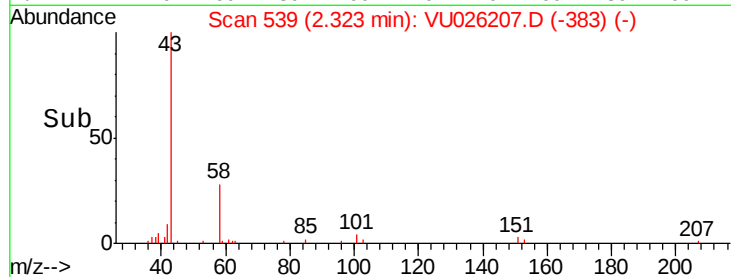
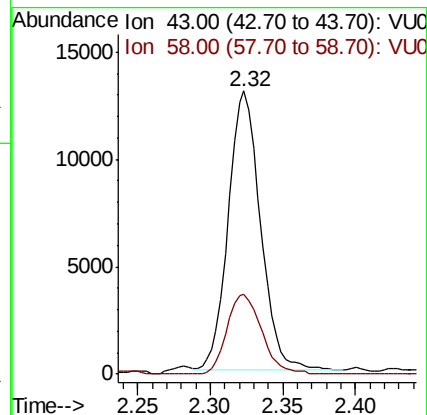
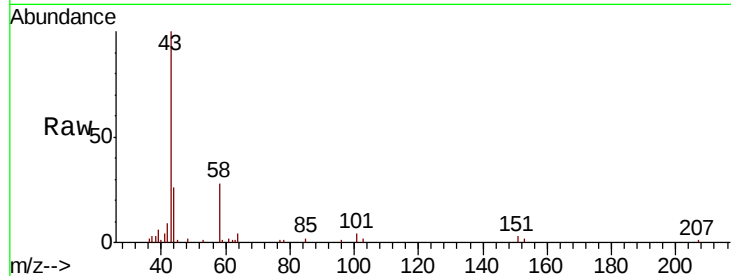
58 28.5 26.0 39.0

Manual Integrations

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#14

Carbon Disulfide

Concen: 2.17 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026207.D

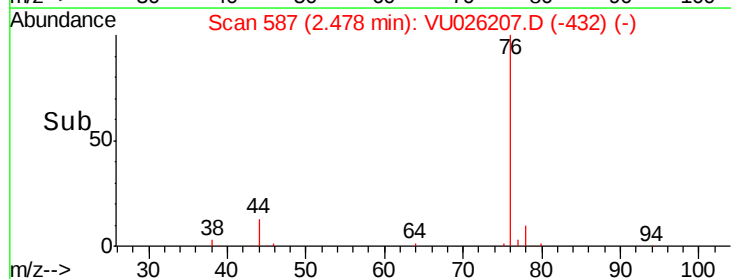
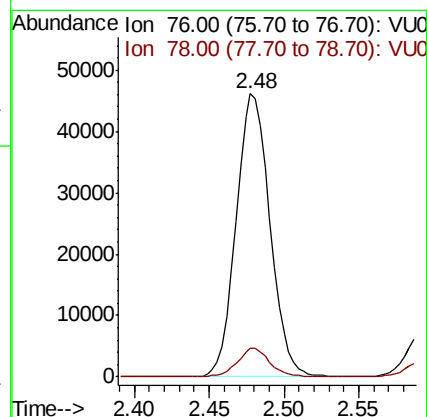
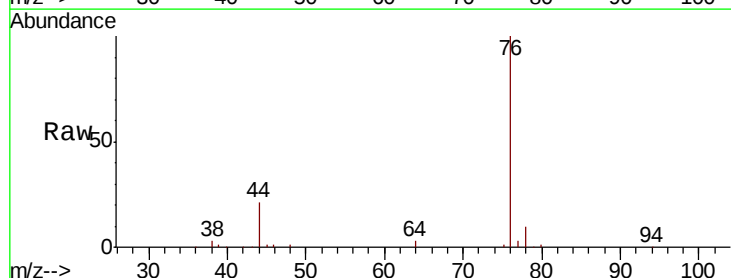
Acq: 20 Aug 2018 14:40

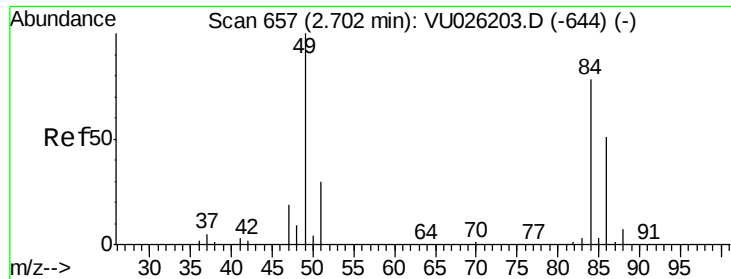
Tgt Ion: 76 Resp: 72770

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9





#15

Methvlene Chloride

Concen: 2.29 ug/l

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS01

Tot Ion: 84 Resp: 26800

Ion Ratio Lower Upper

84 100

49 131.4 108.7 163.1

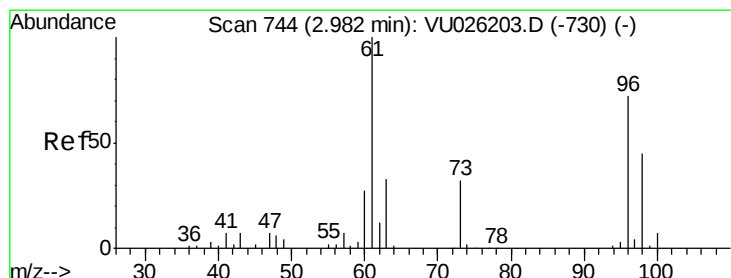
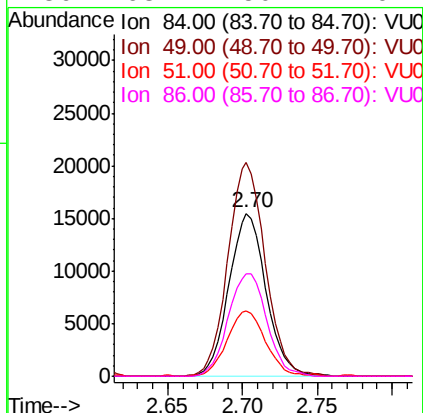
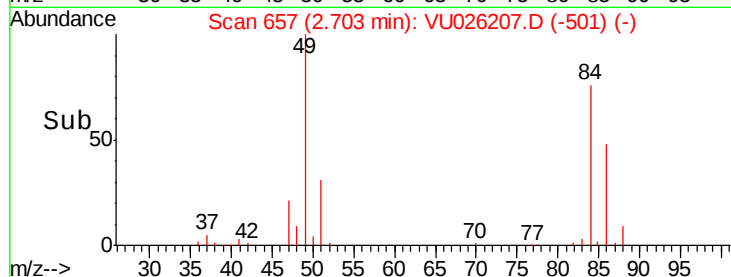
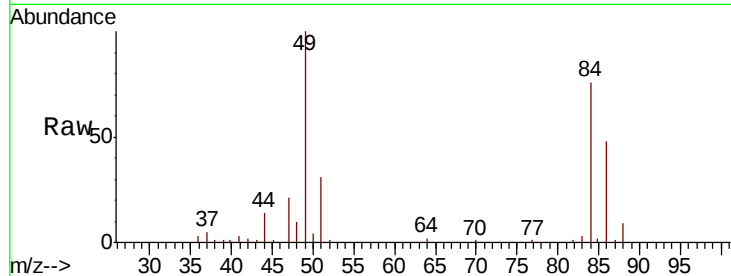
51 40.4 0.0 82.4

86 63.1 50.7 76.1

Manual Integrations
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#16

trans-1,2-Dichloroethene

Concen: 2.11 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

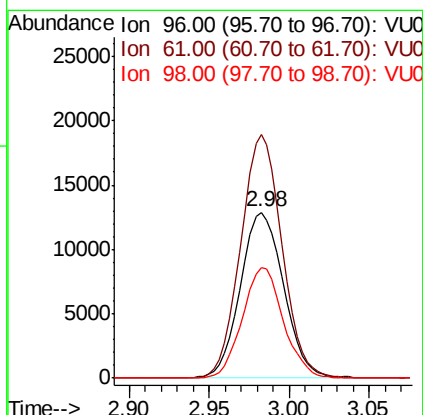
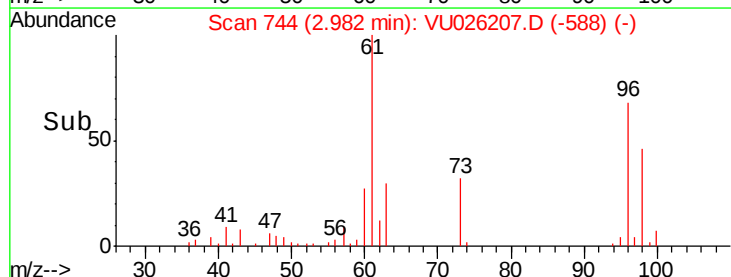
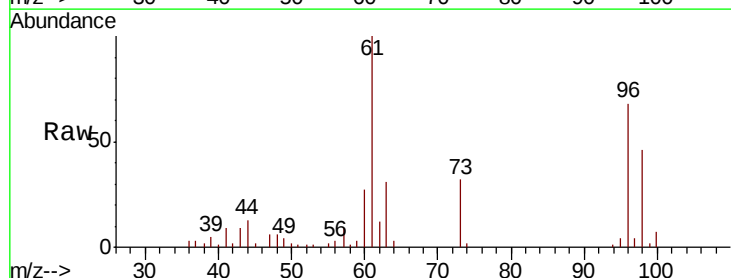
Tgt Ion: 96 Resp: 23768

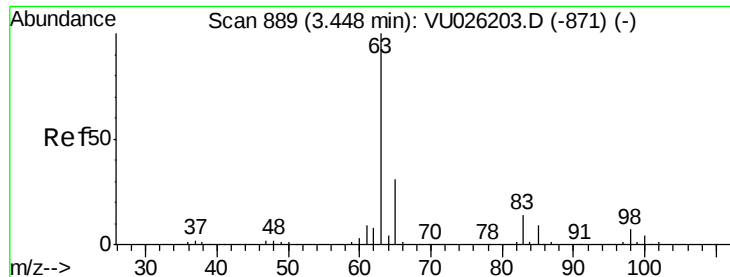
Ion Ratio Lower Upper

96 100

61 147.0 123.9 185.9

98 66.9 50.6 76.0





#17
 1,1-Dichloroethane
 Concen: 2.20 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

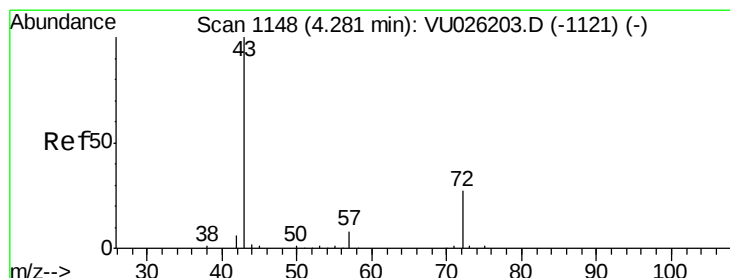
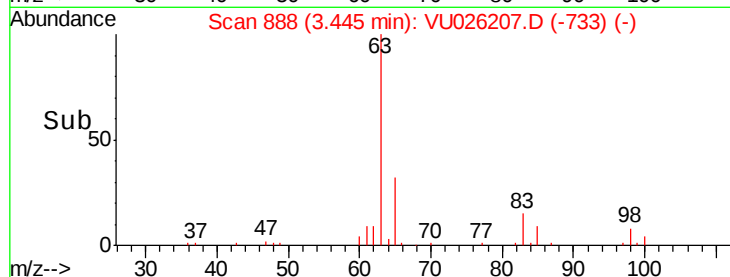
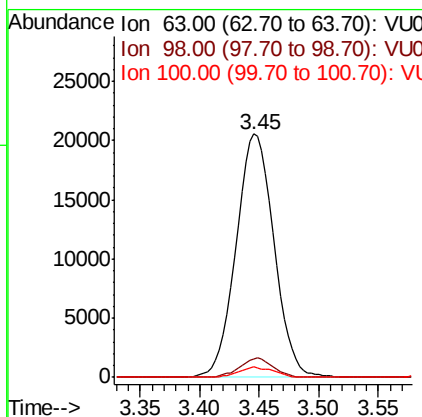
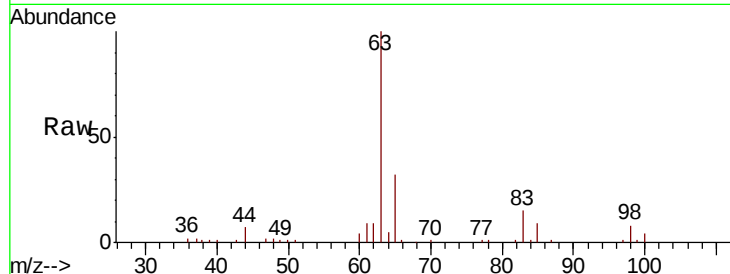
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
98	7.6	2.9	8.8
100	4.2	2.0	5.8

Manual Integrations
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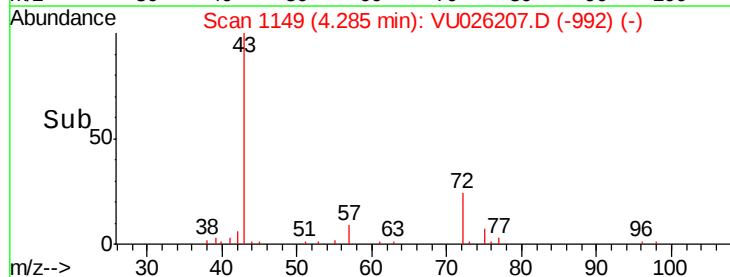
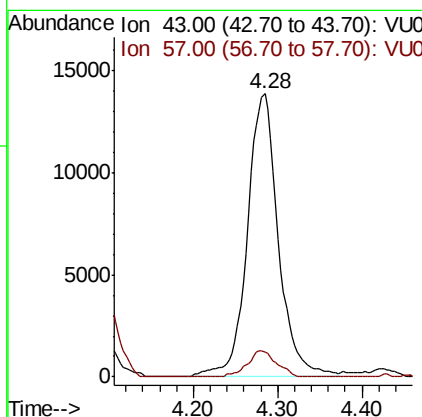
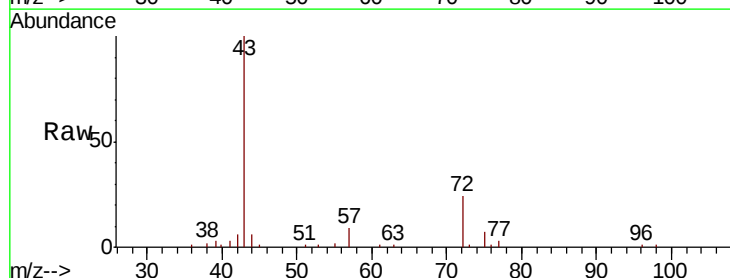
MMDadoda

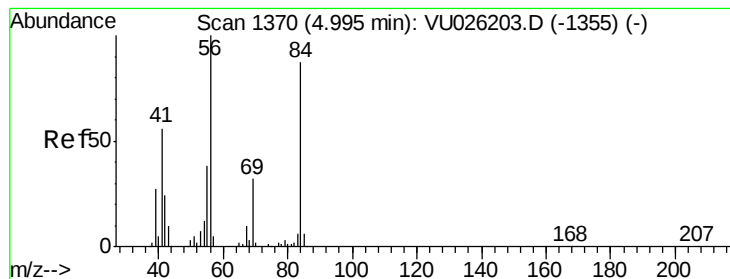
8/21/2018 11:34:28 AM



#18
 2-Butanone
 Concen: 11.27 ug/l
 RT: 4.28 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.0	0.0	15.8





#19

Cyclohexane

Concen: 2.16 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

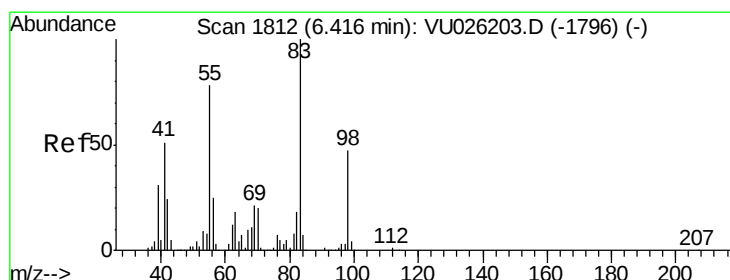
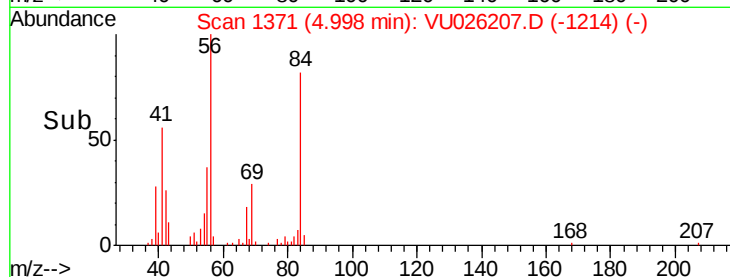
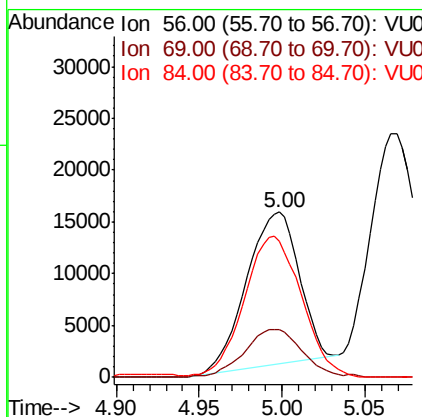
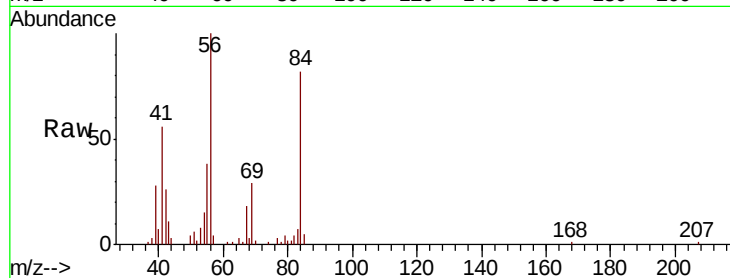
VU0820WBS01

Tot Ion:	56	Resp:	32670
Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.0	39.0
84	99.6	68.3	102.5

Manual Integrations
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#20

Methylcyclohexane

Concen: 2.18 ug/l

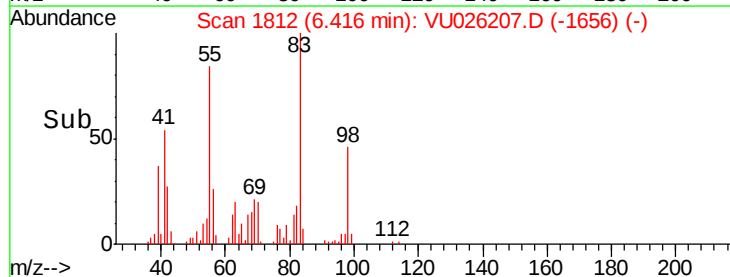
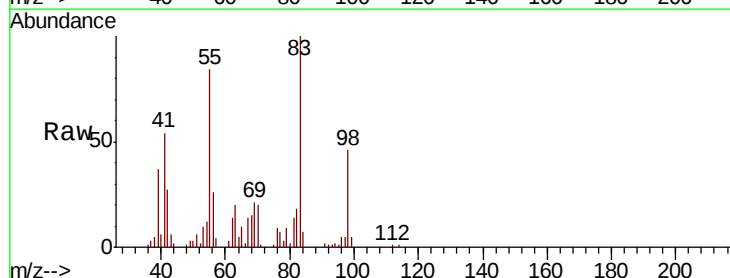
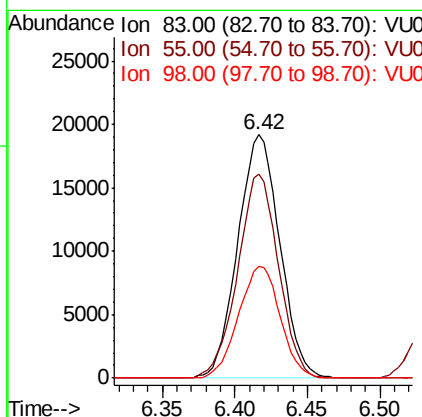
RT: 6.42 min Scan# 1812

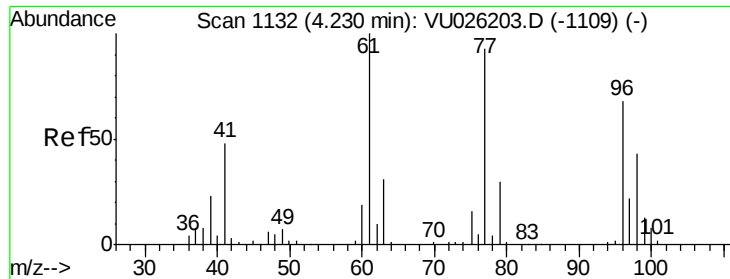
Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Tgt Ion:	83	Resp:	38657
Ion	Ratio	Lower	Upper
83	100		
55	81.4	66.4	99.6
98	45.5	35.4	53.2





#21

2,2-Dichloropropane

Concen: 2.20 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS01

Tot Ion: 77 Resp: 46604

Ion Ratio Lower Upper

77 100

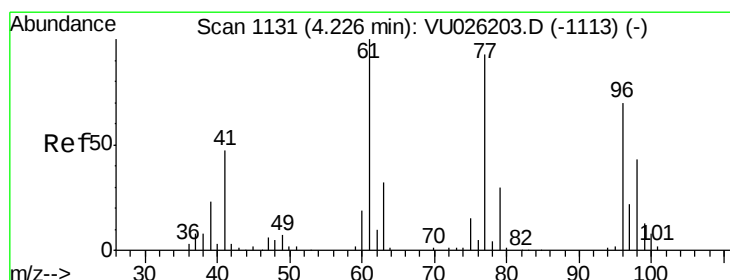
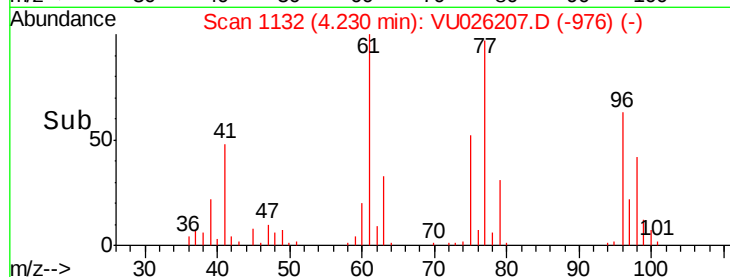
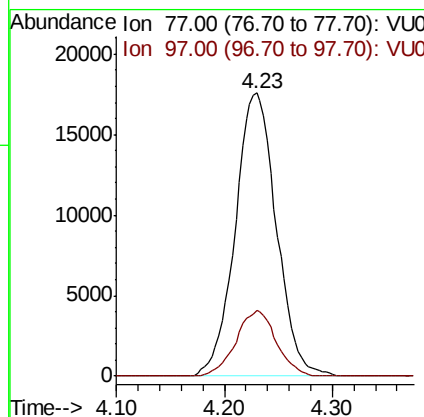
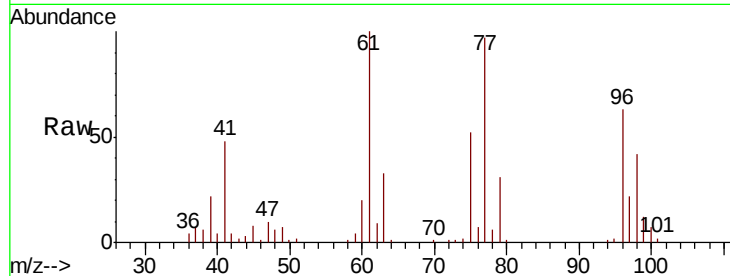
97 22.7 17.9 26.9

Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 2.12 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

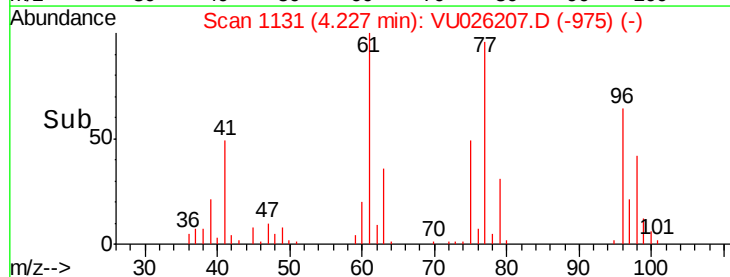
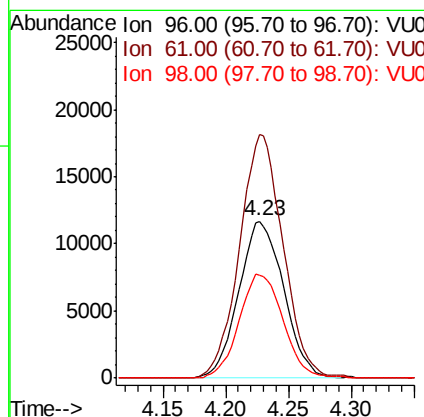
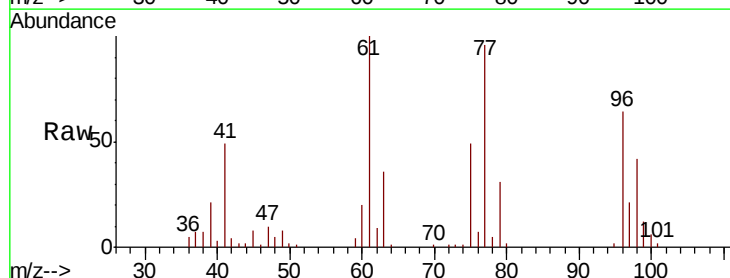
Tgt Ion: 96 Resp: 28986

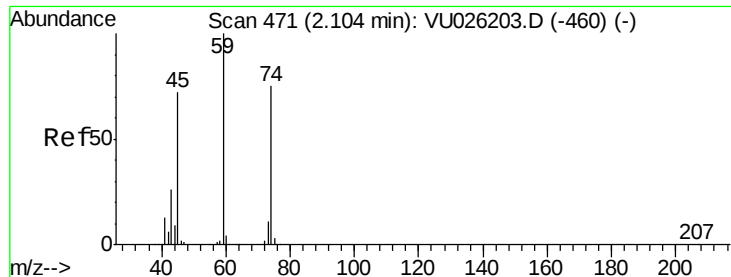
Ion Ratio Lower Upper

96 100

61 150.5 0.0 400.5

98 64.9 32.2 96.6





#23
Diethyl Ether
Concen: 2.09 ug/l
RT: 2.11 min Scan# 472
Delta R.T. 0.00 min
Lab File: VU026207.D
Acq: 20 Aug 2018 14:40

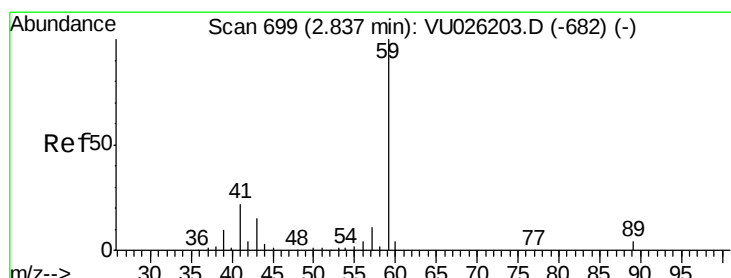
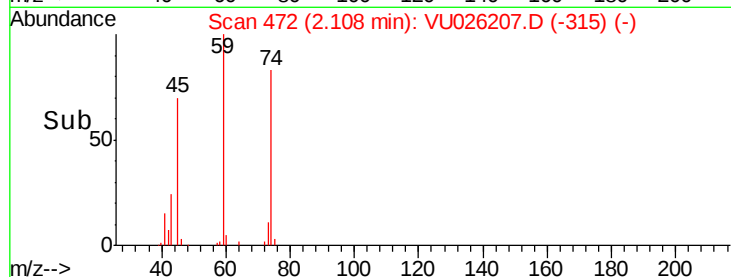
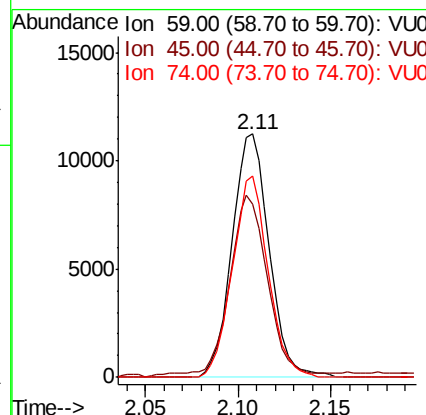
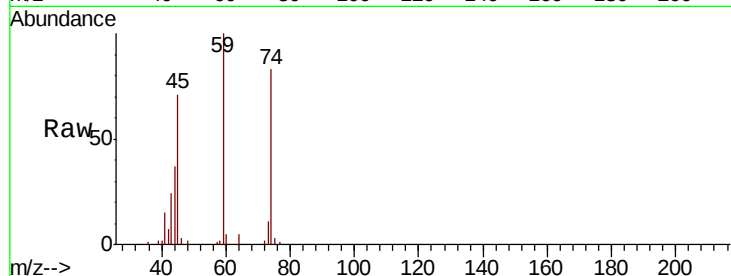
Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
45	78.3	60.0	90.0
74	79.7	56.5	84.7

Manual Integrations
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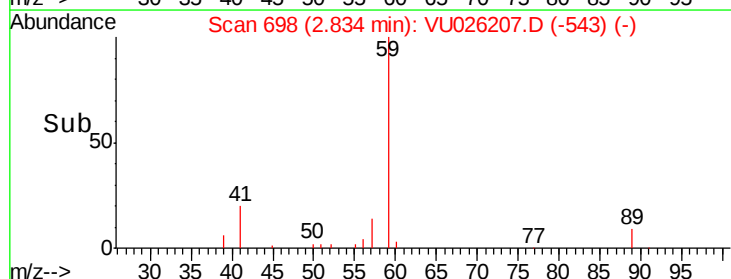
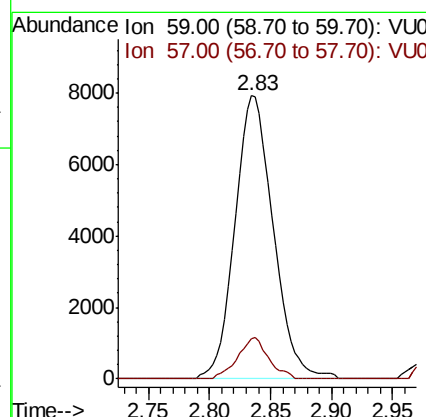
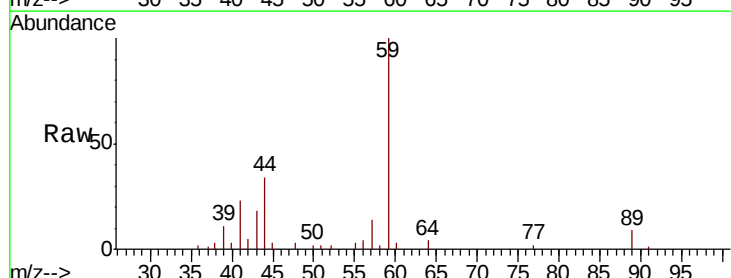
MMDadoda

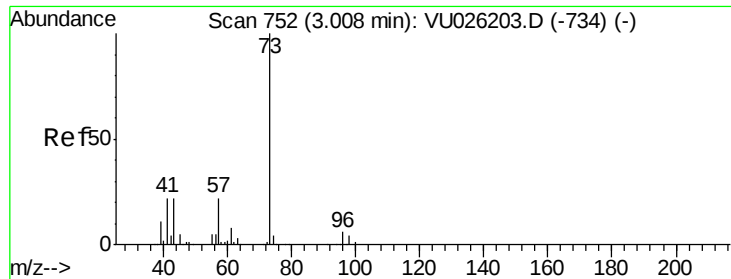
8/21/2018 11:34:28 AM



#24
tert-Butyl Alcohol
Concen: 22.69 ug/l
RT: 2.83 min Scan# 698
Delta R.T. -0.00 min
Lab File: VU026207.D
Acq: 20 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.7	3.4	5.2#





#25

Methyl tert-Butyl Ether
 Concen: 2.12 ug/l
 RT: 3.00 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

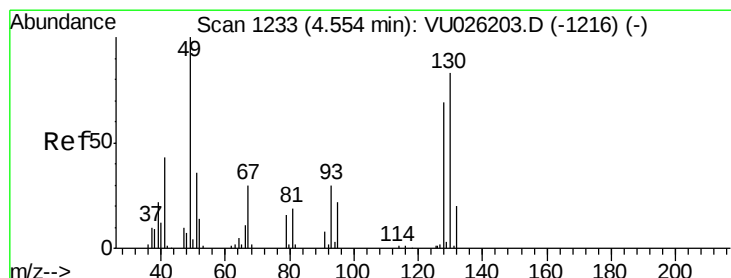
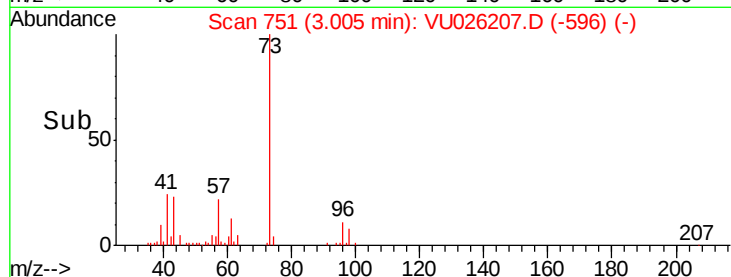
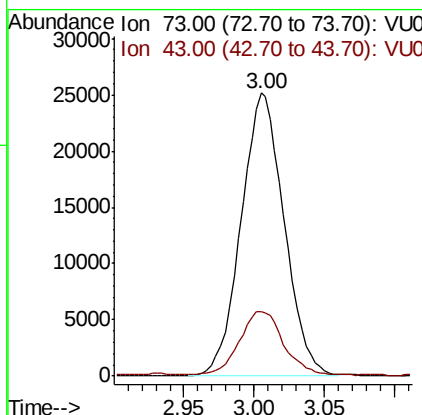
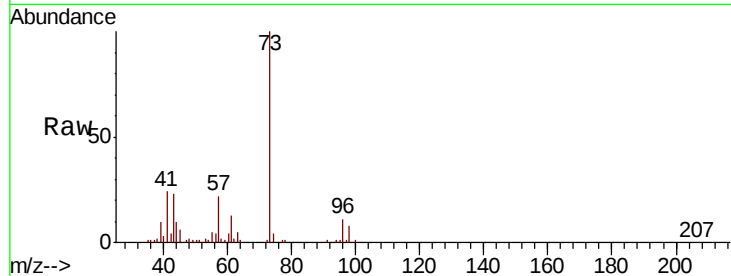
Instrument :
 MSVOA_U
 ClientSampled :
 VU0820WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
43	24.3	16.2	24.2#

Manual Integrations
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MMDadoda

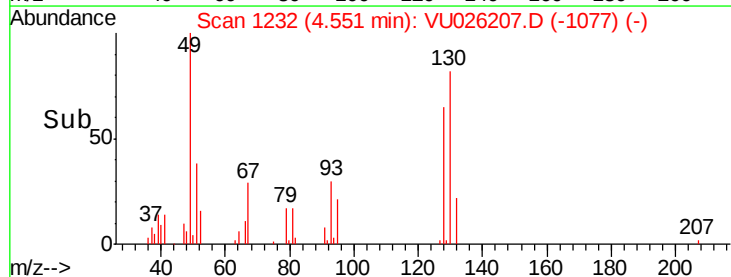
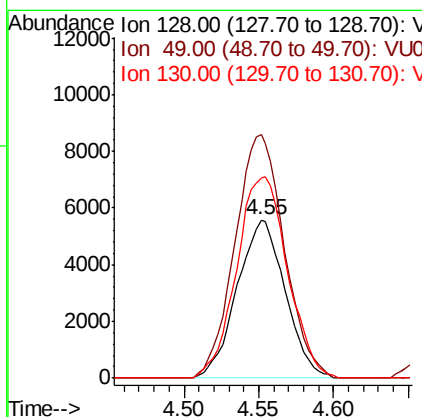
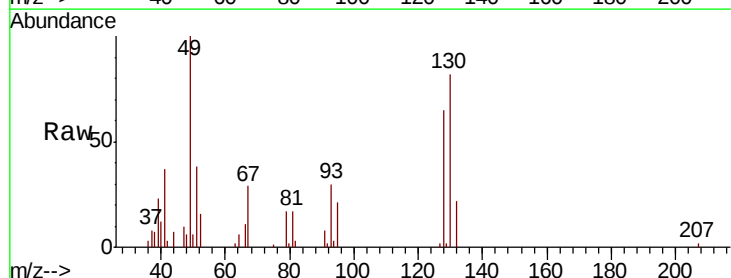
8/21/2018 11:34:28 AM

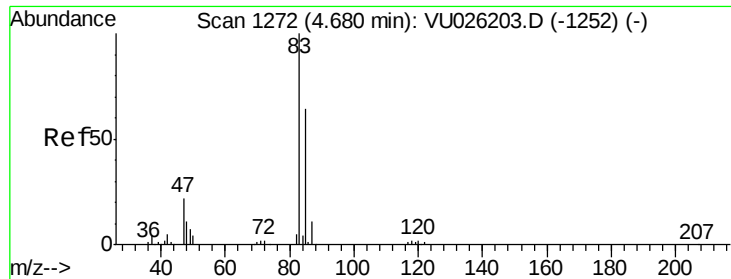


#26

Bromochloromethane
 Concen: 2.04 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
128	100		
49	157.9	0.0	375.2
130	134.9	105.8	158.6





#27

Chloroform

Concen: 2.14 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS01

Tot Ion: 83 Resp: 50867

Ion Ratio Lower Upper

83 100

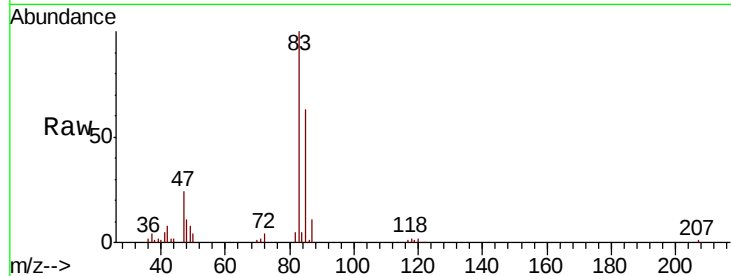
85 63.3 0.0 128.4

Manual Integrations

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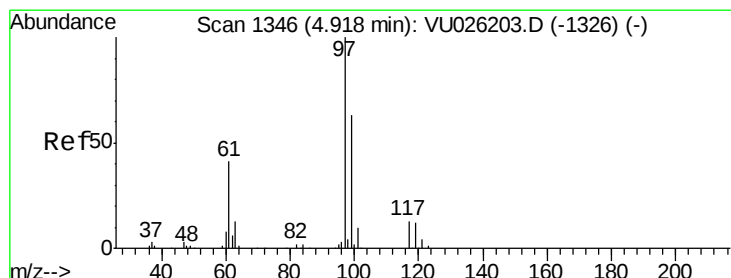
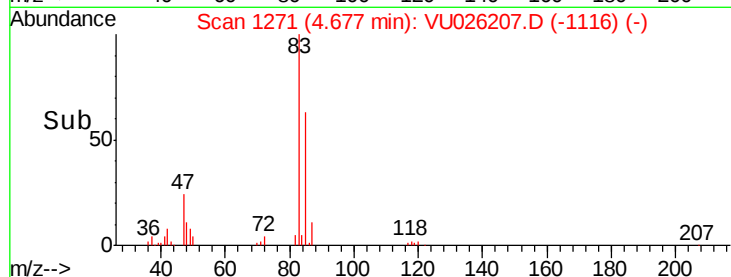
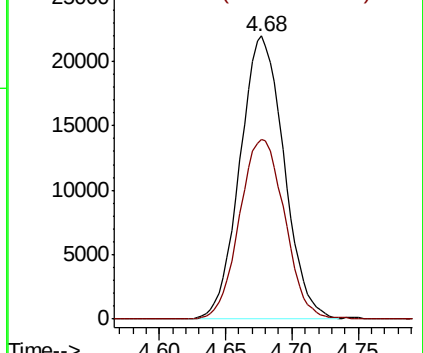
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 2.22 ug/l

RT: 4.91 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

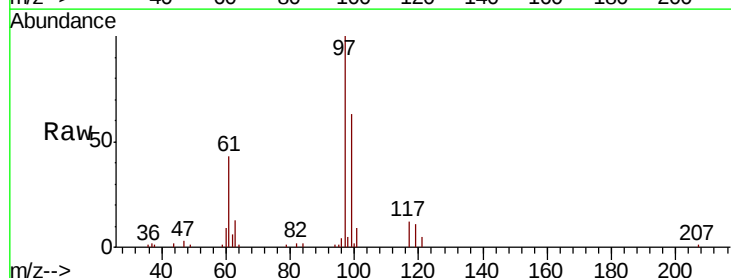
Tgt Ion: 97 Resp: 46994

Ion Ratio Lower Upper

97 100

99 64.2 32.3 96.9

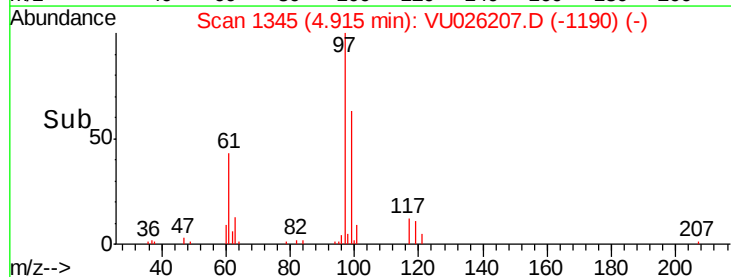
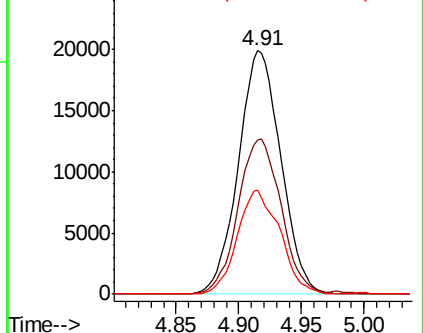
61 42.6 23.2 69.5

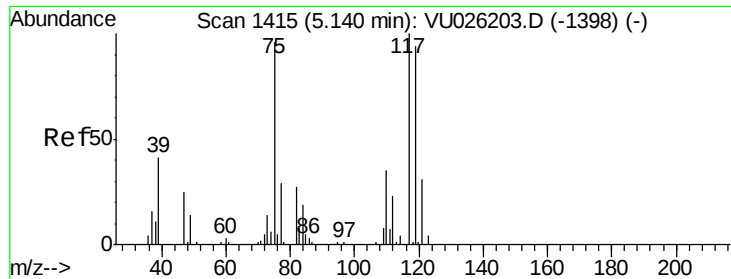


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#29

1,1-Dichloropropene

Concen: 2.17 ug/l

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

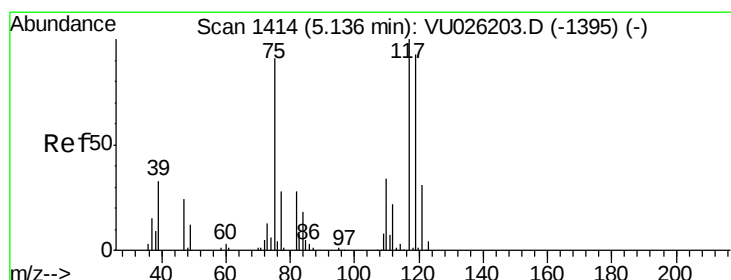
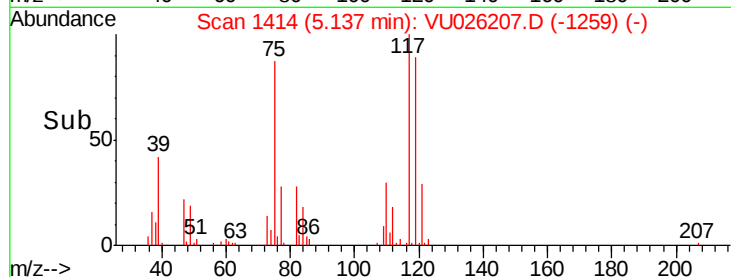
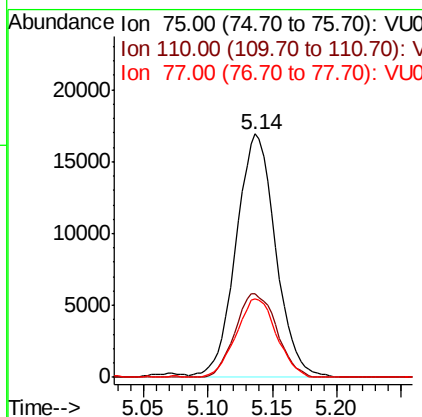
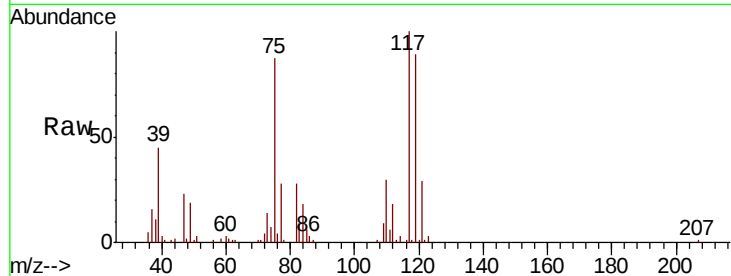
VU0820WBS01

Tot Ion:	75	Resp:	36192
Ion Ratio	Lower	Upper	
75	100		
110	36.1	16.9	50.7
77	32.9	24.8	37.2

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 2.19 ug/l

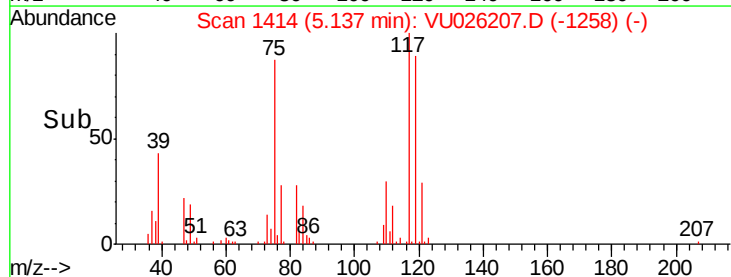
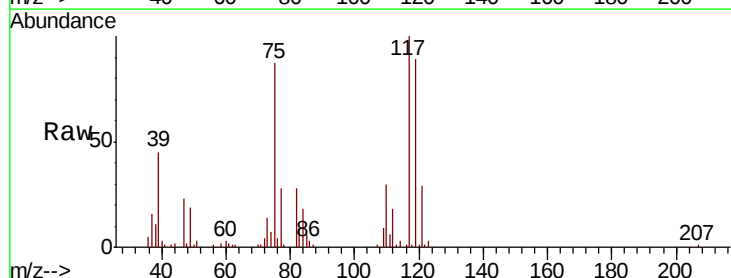
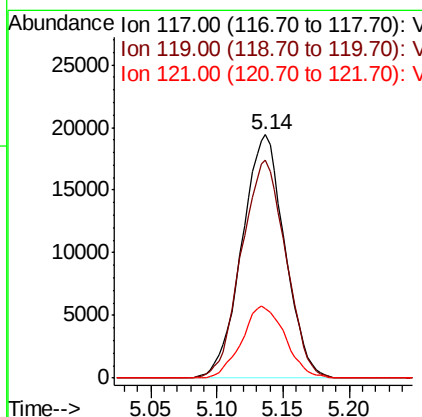
RT: 5.14 min Scan# 1414

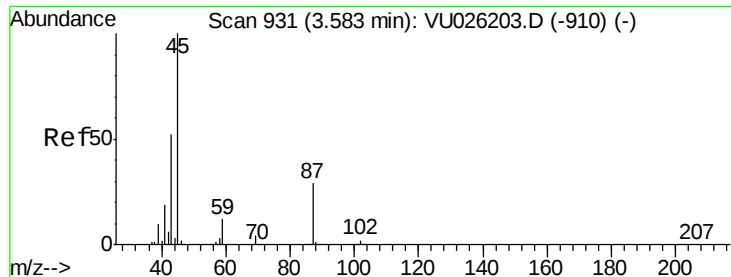
Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Tgt Ion:	117	Resp:	43744
Ion Ratio	Lower	Upper	
117	100		
119	89.4	77.3	115.9
121	28.7	24.5	36.7





#31

Isopropyl Ether

Concen: 2.18 ug/l

RT: 3.58 min Scan# 930

Delta R.T. -0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS01

Tot Ion: 45 Resp: 73825

Ion Ratio Lower Upper

45 100

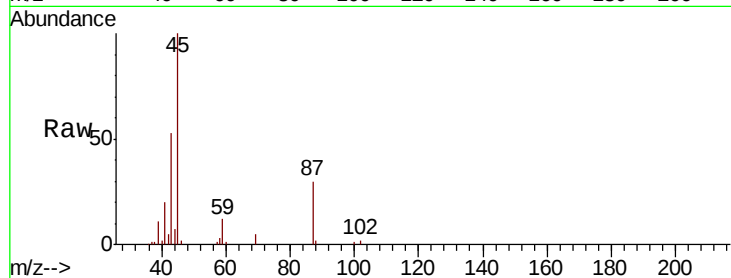
43 53.2 24.0 72.0

Manual Integrations

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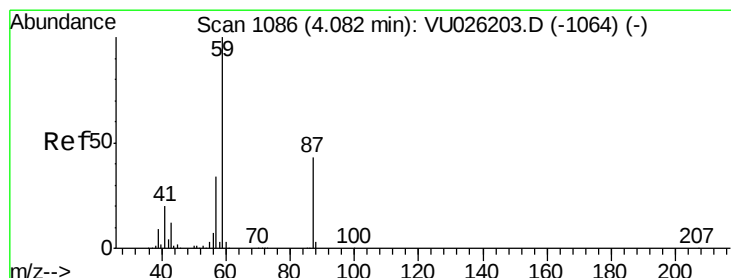
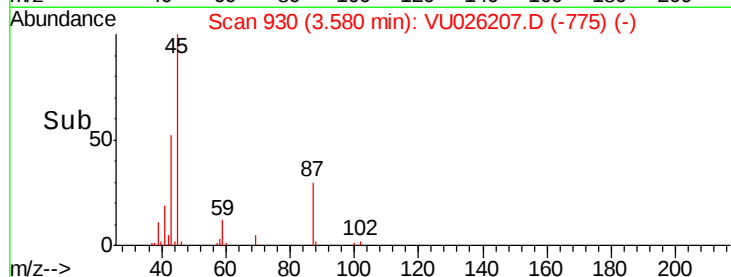
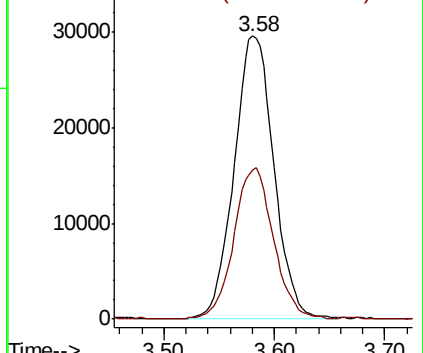
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Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 2.20 ug/l

RT: 4.08 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VU026207.D

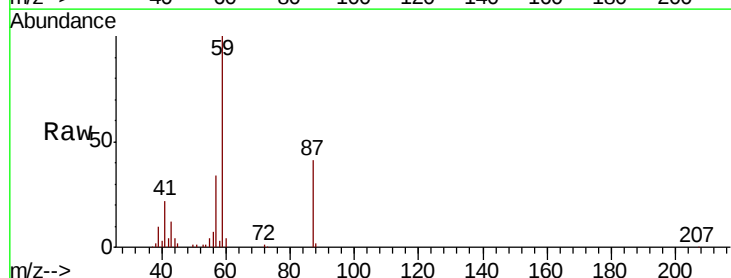
Acq: 20 Aug 2018 14:40

Tgt Ion: 59 Resp: 65443

Ion Ratio Lower Upper

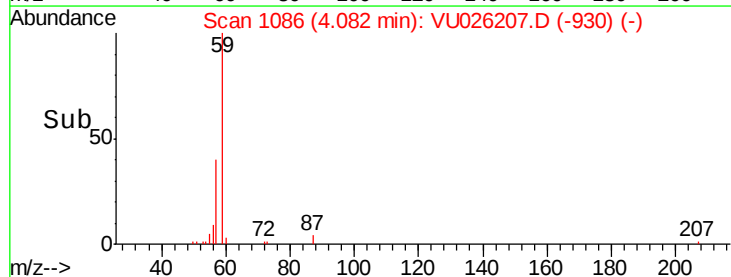
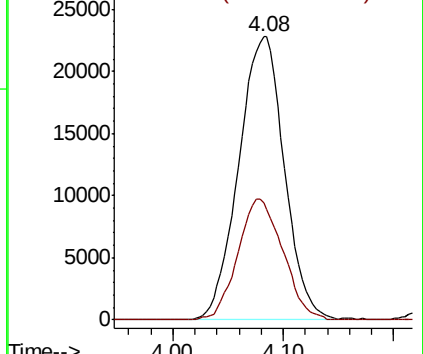
59 100

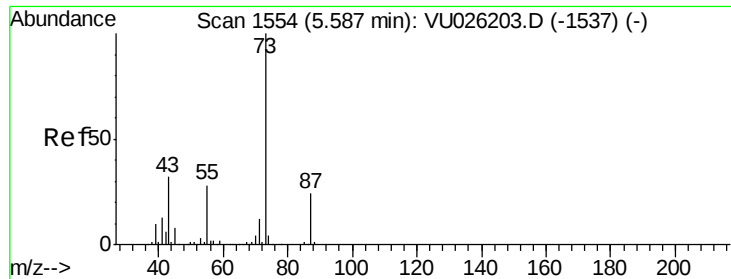
87 42.0 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#33
Tert-Butyl methyl ether
Concen: 2.12 ug/l
RT: 5.59 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VU026207.D
Acq: 20 Aug 2018 14:40

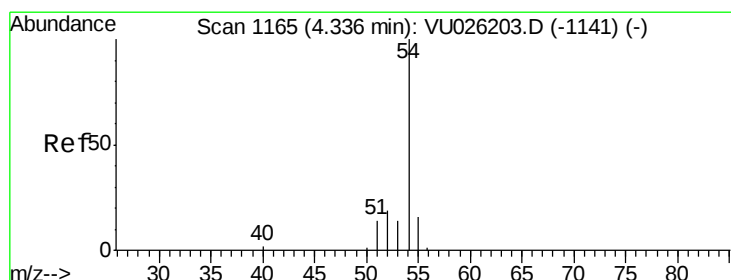
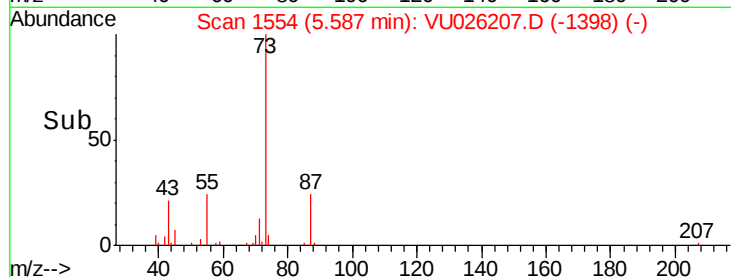
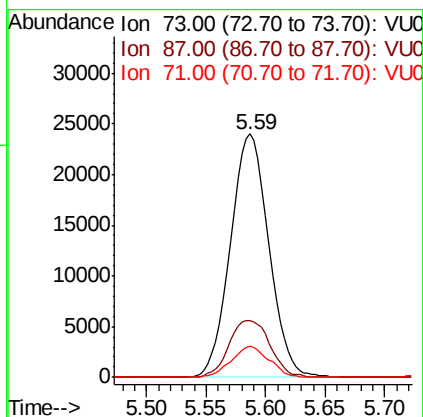
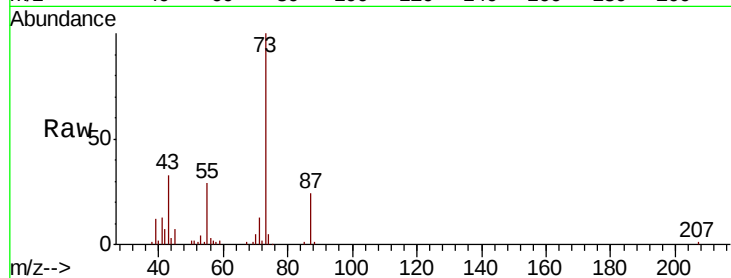
Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.9	18.6	28.0
71	12.5	9.3	13.9

Manual Integrations
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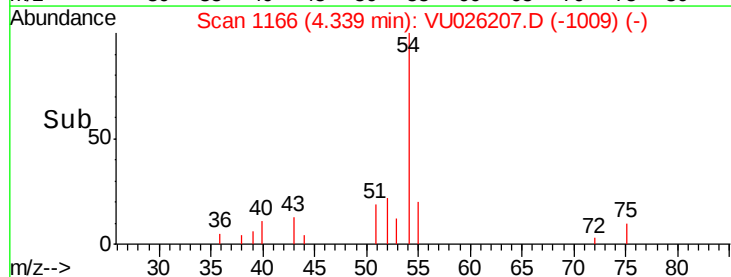
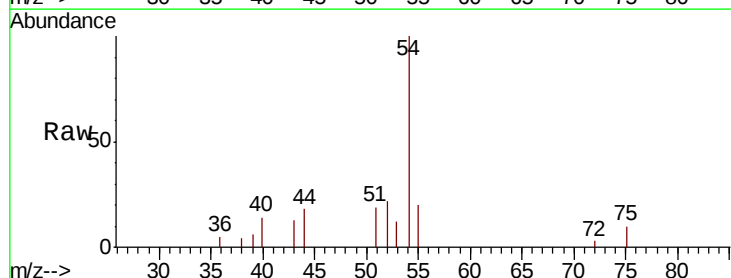
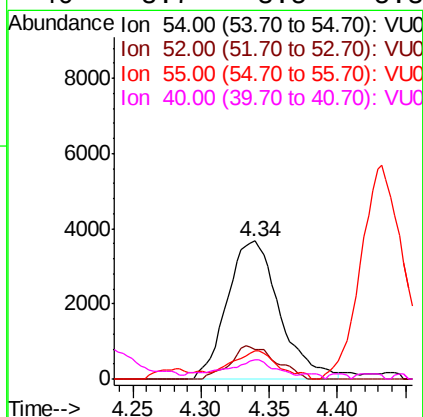
MMDadoda

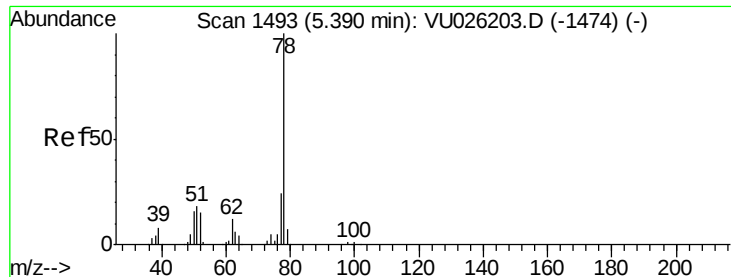
8/21/2018 11:34:28 AM



#34
Propionitrile
Concen: 10.88 ug/l
RT: 4.34 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VU026207.D
Acq: 20 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.9	13.7	20.5#
55	17.8	10.2	15.2#
40	8.7	3.5	5.3#





#35

Benzene

Concen: 2.15 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS01

Tot Ion: 78 Resp: 103585

Ion Ratio Lower Upper

78 100

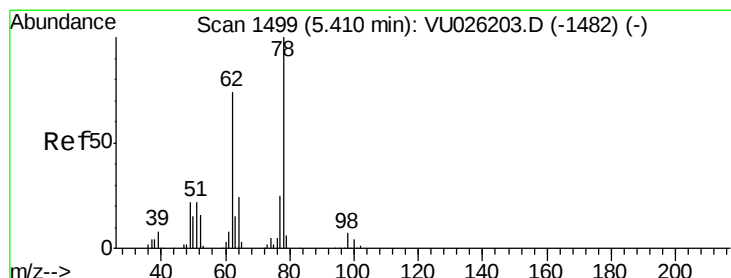
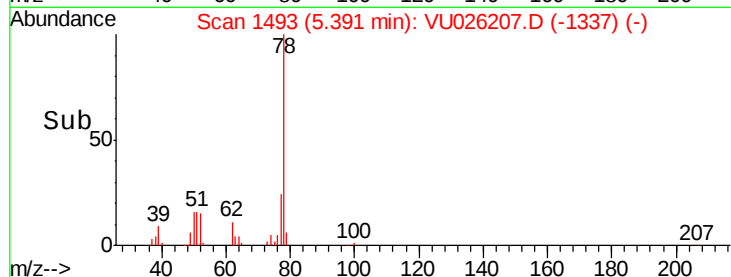
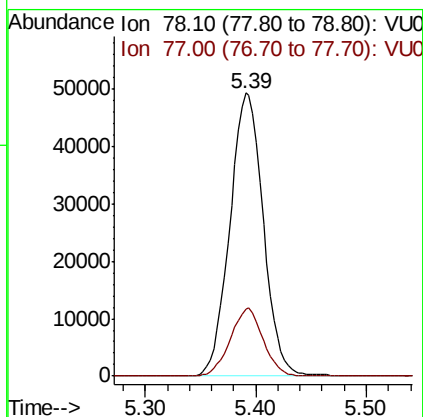
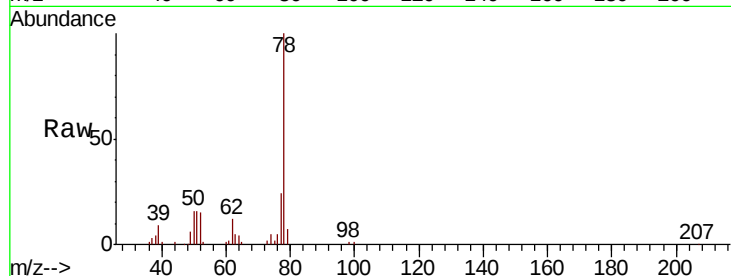
77 23.7 19.1 28.7

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 2.18 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU026207.D

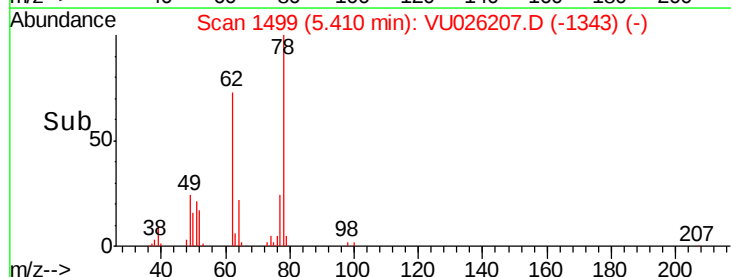
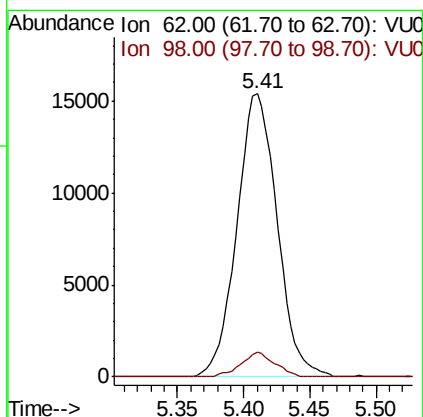
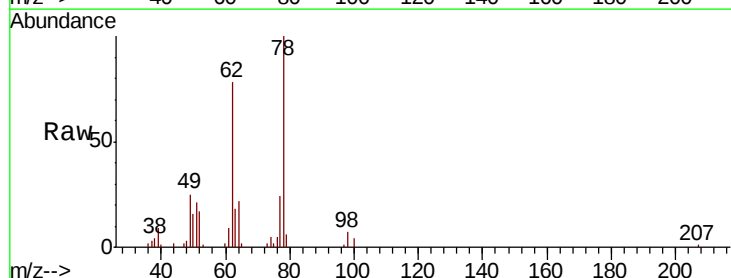
Acq: 20 Aug 2018 14:40

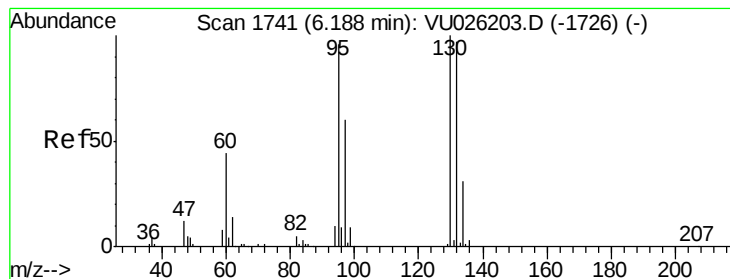
Tgt Ion: 62 Resp: 32560

Ion Ratio Lower Upper

62 100

98 7.3 7.2 10.8





#37

Trichloroethene

Concen: 2.19 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS01

Tot Ion:130 Resp: 29735

Ion Ratio Lower Upper

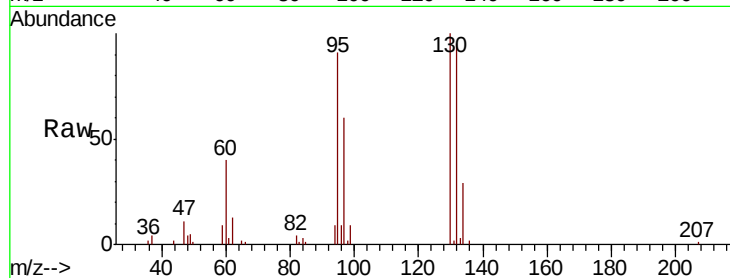
130 100

95 91.2 77.9 116.9

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Abundance Ion 129.90 (129.60 to 130.60): VU026207.D (-1585) (-)

Ion 94.90 (94.60 to 95.60): VU026207.D (-1585) (-)

6.19

15000

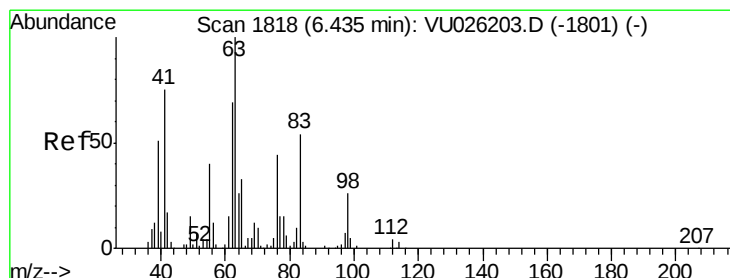
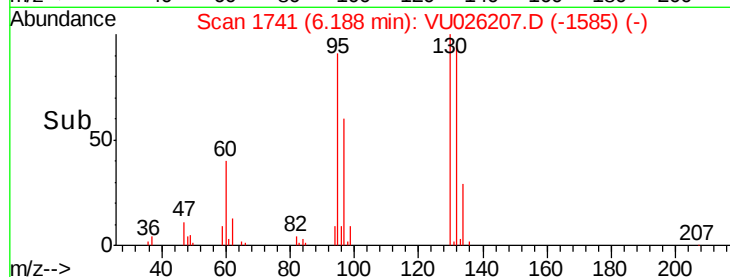
10000

5000

0

6.10 6.15 6.20 6.25

Time-->



#38

1,2-Dichloropropane

Concen: 2.23 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU026207.D

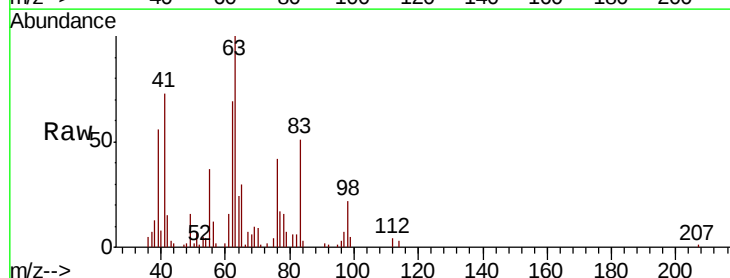
Acq: 20 Aug 2018 14:40

Tgt Ion: 63 Resp: 27821

Ion Ratio Lower Upper

63 100

65 30.1 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU026207.D (-1662) (-)

Ion 65.00 (64.70 to 65.70): VU026207.D (-1662) (-)

6.44

15000

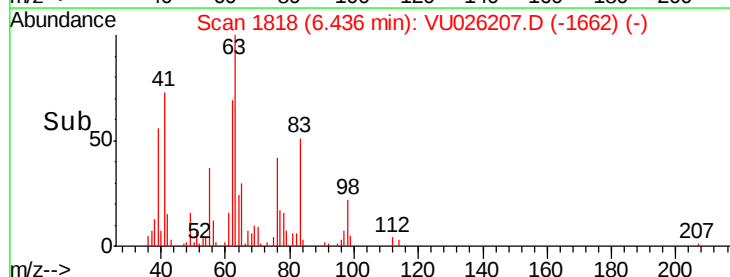
10000

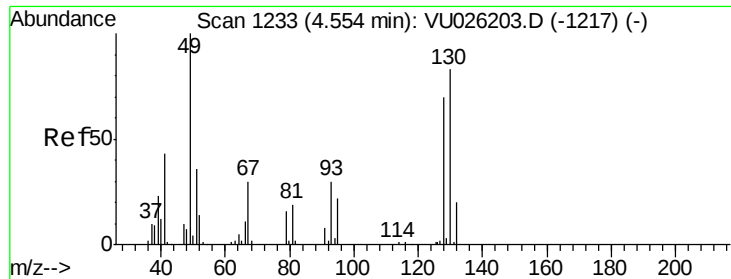
5000

0

6.35 6.40 6.45 6.50

Time-->





#39
Methacrylonitrile
Concen: 2.23 ug/l
RT: 4.55 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026207.D
Acq: 20 Aug 2018 14:40

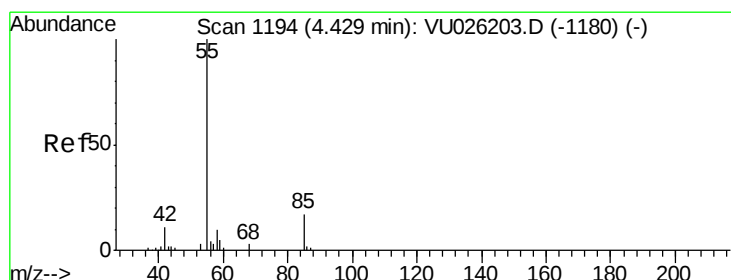
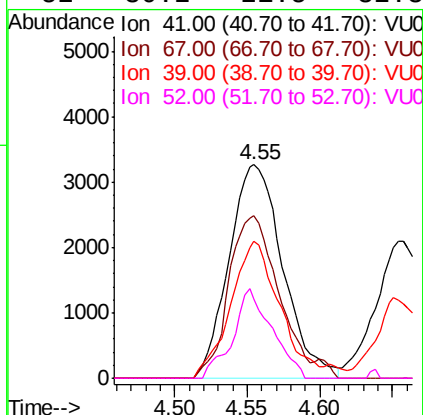
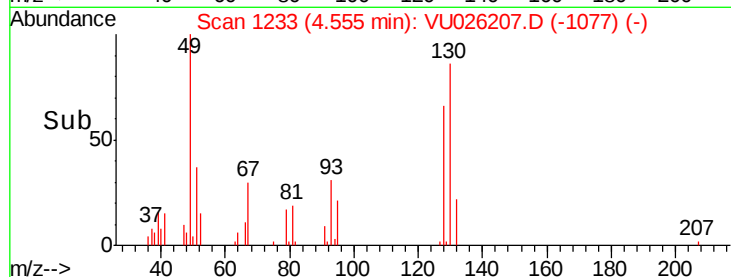
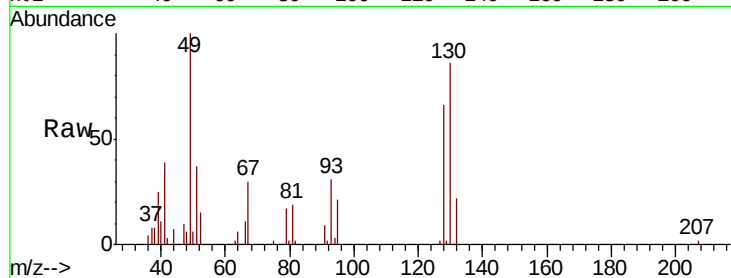
Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS01

Tot Ion:	41	Resp:	8442
Ion	Ratio	Lower	Upper
41	100		
67	70.1	51.3	76.9
39	58.5	40.6	60.8
52	30.2	21.5	32.3

Manual Integrations
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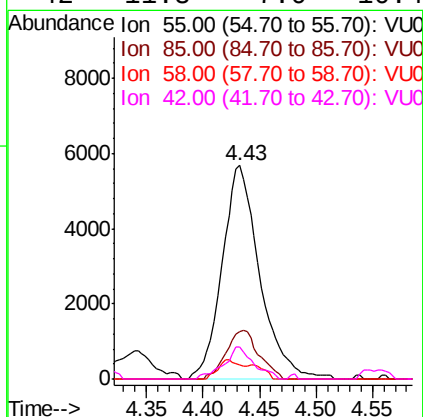
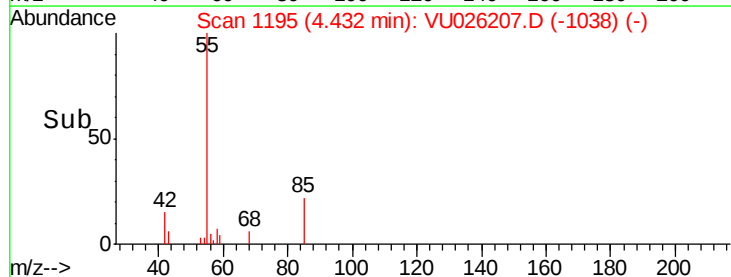
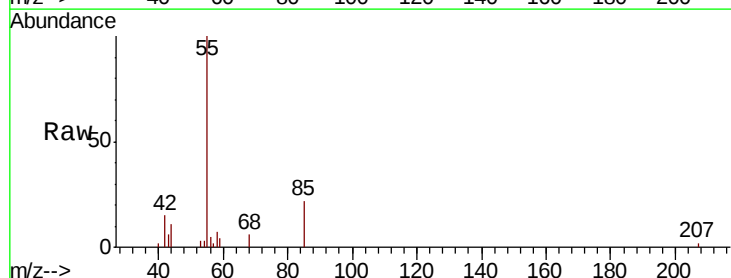
MMDadoda

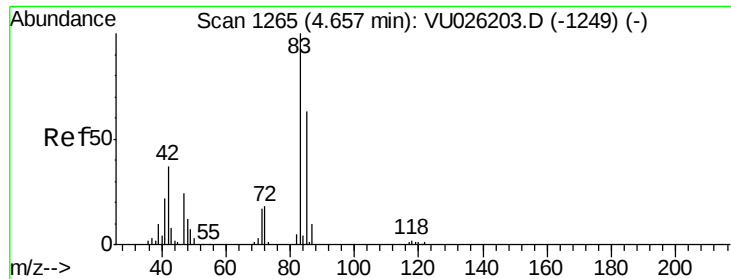
8/21/2018 11:34:28 AM



#40
Methyl acrylate
Concen: 2.28 ug/l
RT: 4.43 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VU026207.D
Acq: 20 Aug 2018 14:40

Tgt Ion:	55	Resp:	13112
Ion	Ratio	Lower	Upper
55	100		
85	19.8	12.3	18.5#
58	5.7	7.0	10.6#
42	11.8	7.0	10.4#





#41

Tetrahydrofuran

Concen: 4.09 ug/l

RT: 4.66 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

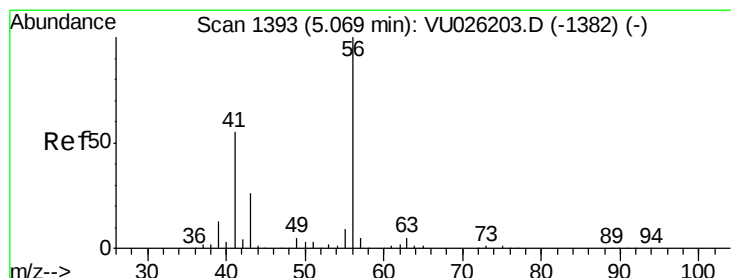
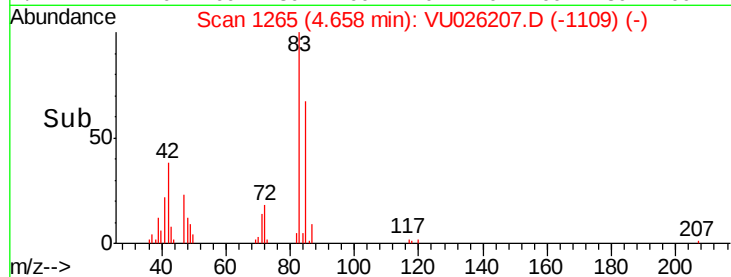
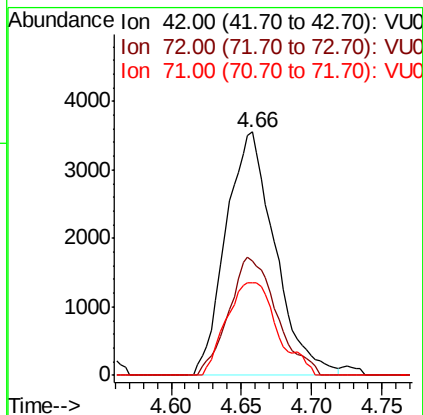
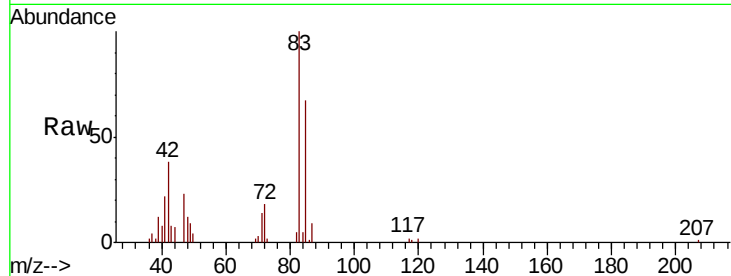
VU0820WBS01

Tot Ion:	42	Resp:	8639
Ion	Ratio	Lower	Upper
42	100		
72	47.0	33.2	49.8
71	39.2	29.8	44.8

Manual Integrations
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#42

1-Chlorobutane

Concen: 2.23 ug/l

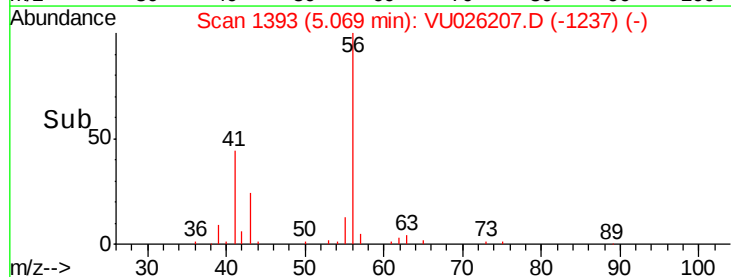
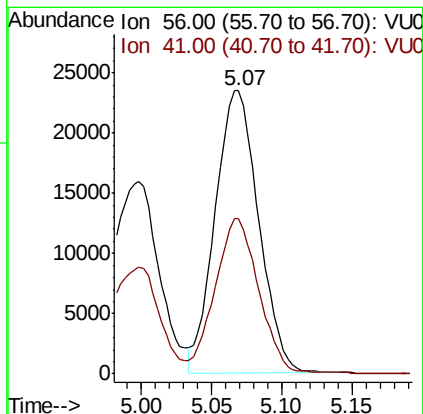
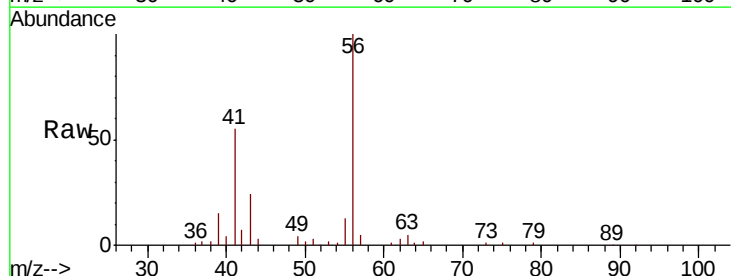
RT: 5.07 min Scan# 1393

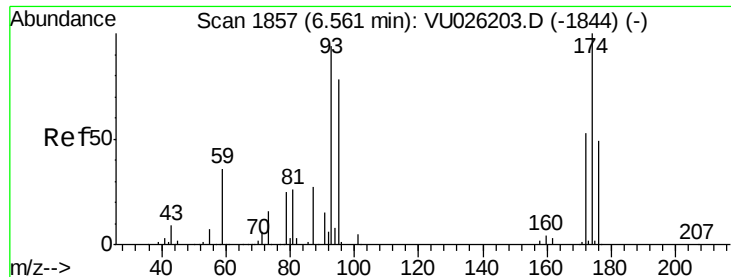
Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Tgt Ion:	56	Resp:	50414
Ion	Ratio	Lower	Upper
56	100		
41	54.5	27.5	82.5





#43
Dibromomethane
Concen: 2.06 ug/l
RT: 6.56 min Scan# 1857
Delta R.T. 0.00 min
Lab File: VU026207.D
Acq: 20 Aug 2018 14:40

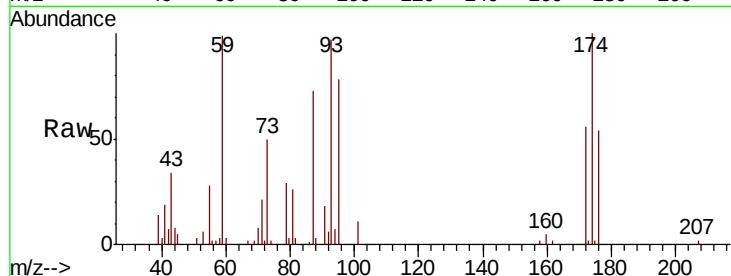
Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS01

Tot Ion	Ratio	Lower	Upper
93	100		
95	84.2	67.2	100.8
174	109.0	82.8	124.2

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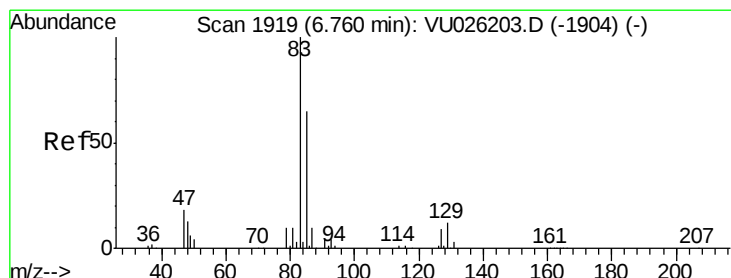
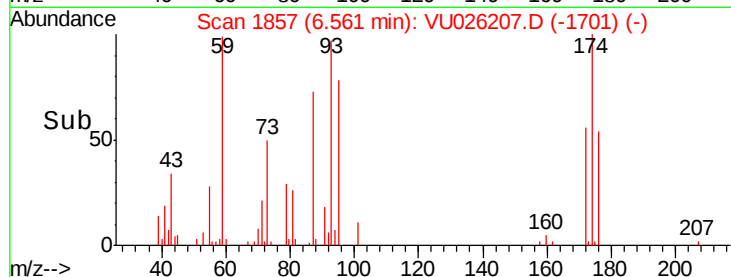
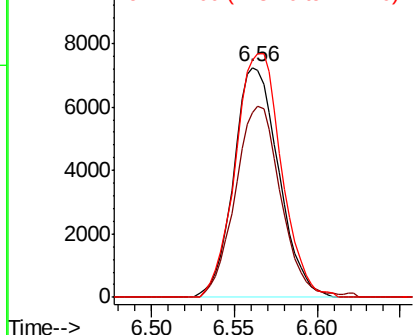


Abundance

Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V



#44
Bromodichloromethane
Concen: 2.13 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU026207.D
Acq: 20 Aug 2018 14:40

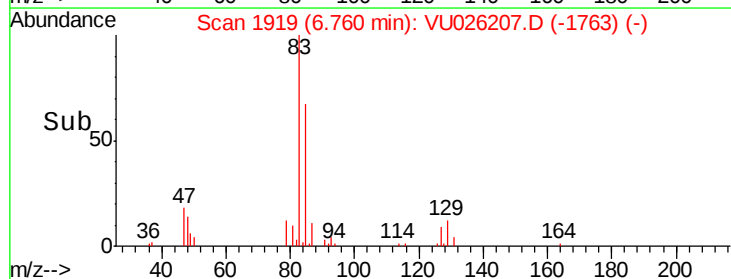
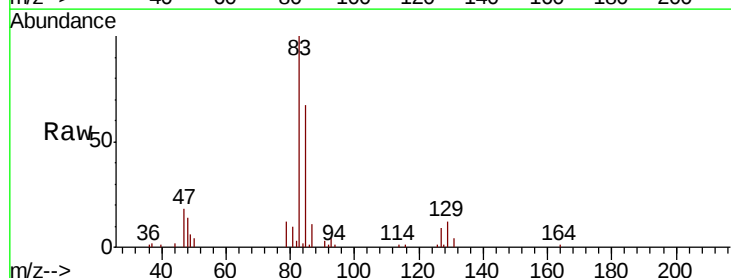
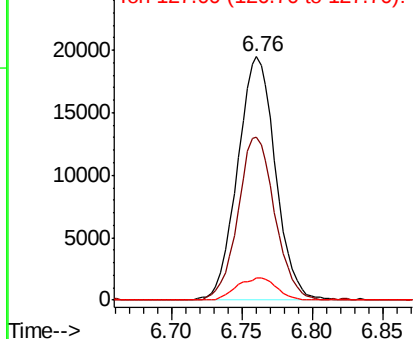
Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.2	78.4
127	8.9	7.0	10.4

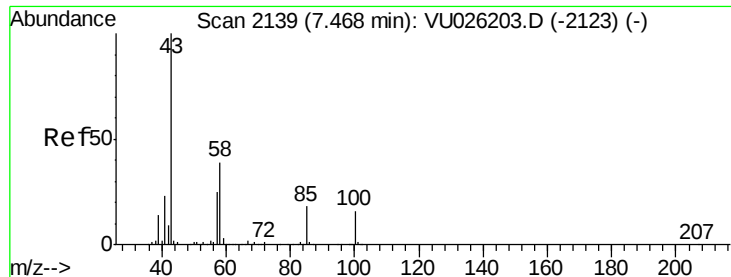
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V





#45
4-Methyl-2-Pentanone
Concen: 10.71 ug/l
RT: 7.47 min Scan# 2139
Delta R.T. 0.00 min
Lab File: VU026207.D
Acq: 20 Aug 2018 14:40

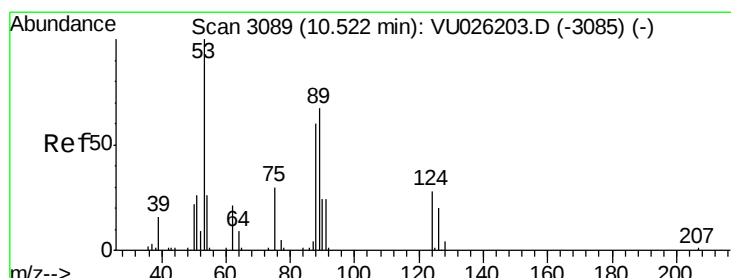
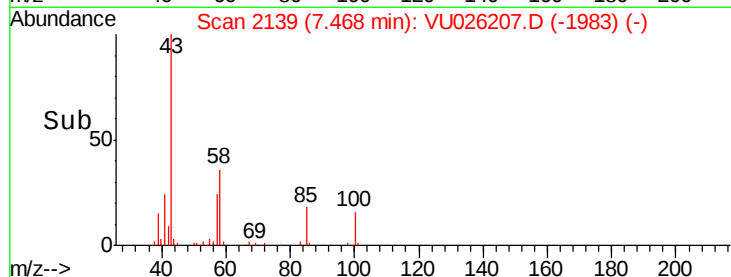
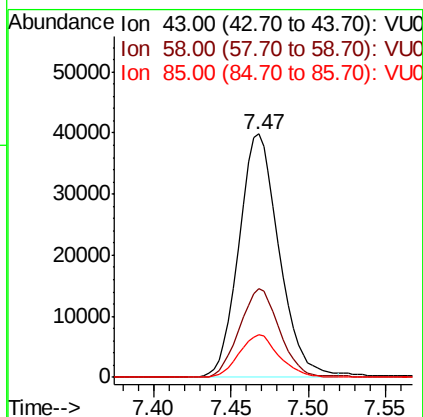
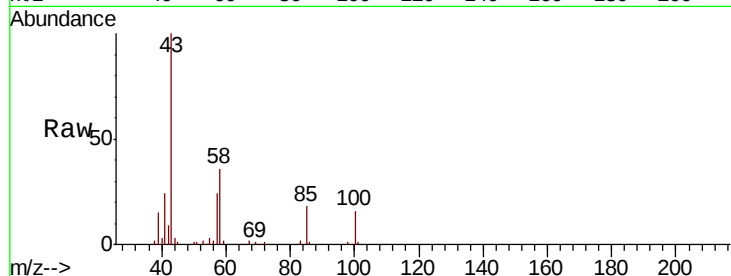
Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.6	18.8	56.4
85	17.2	12.6	19.0

Manual Integrations
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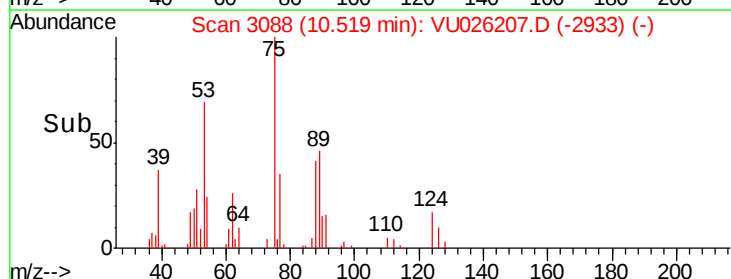
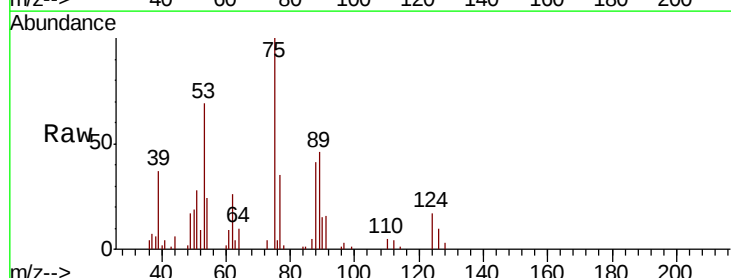
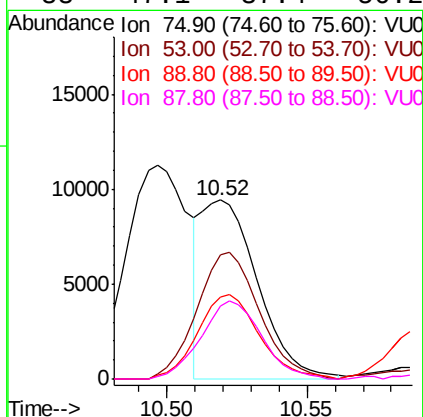
MMDadoda

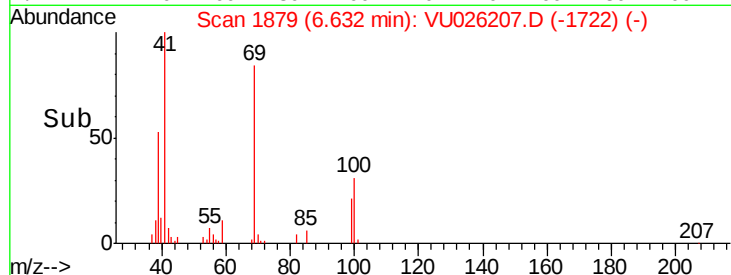
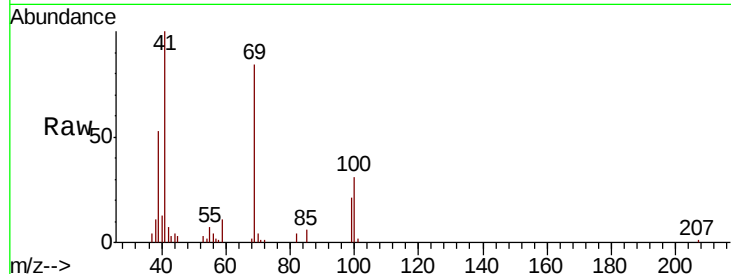
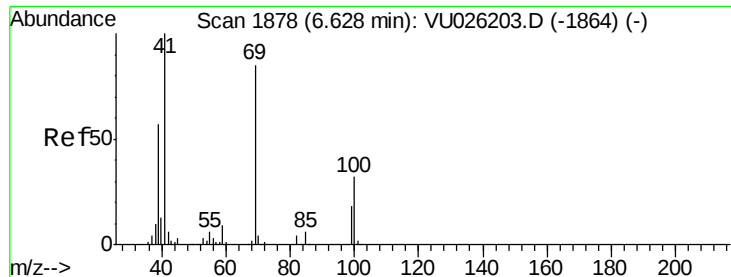
8/21/2018 11:34:28 AM



#46
t-1,4-Dichloro-2-butene
Concen: 4.28 ug/l m
RT: 10.52 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU026207.D
Acq: 20 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
53	78.9	82.2	123.4#
89	51.6	51.3	76.9
88	47.1	37.4	56.2





#47
Methyl methacrylate
Concen: 4.33 ug/l
RT: 6.63 min Scan# 1879
Delta R.T. 0.00 min
Lab File: VU026207.D
Acq: 20 Aug 2018 14:40

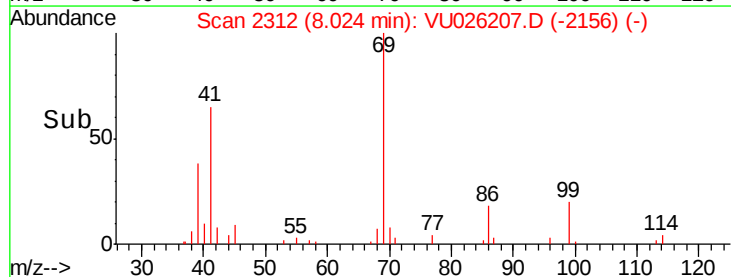
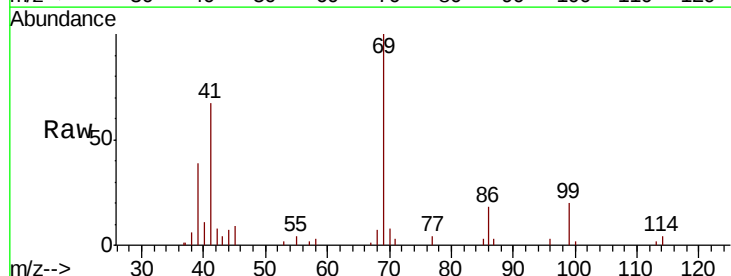
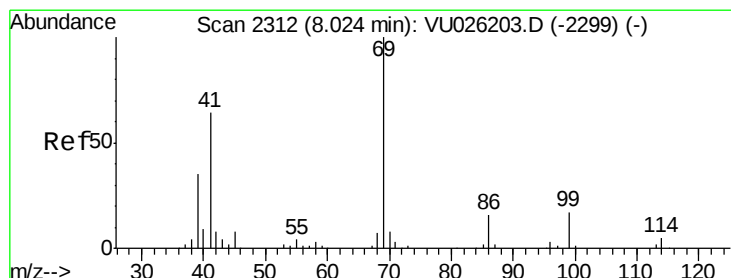
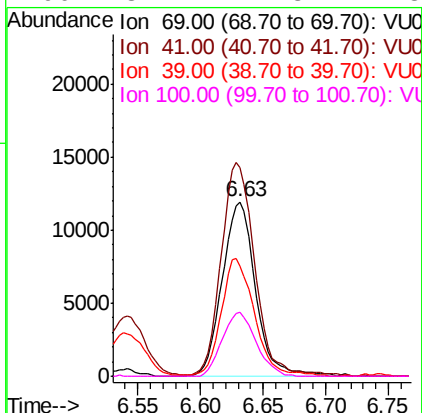
Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	124.1	0.0	245.4	
39	67.8	49.0	73.4	
100	37.2	27.8	41.8	

Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS01

Manual Integrations
APPROVED

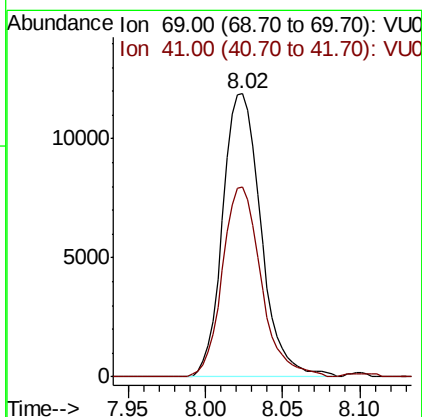
MMDadoda

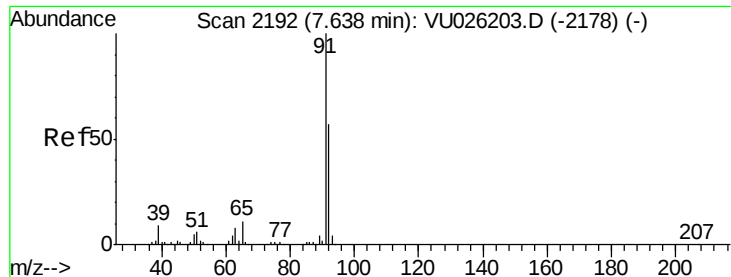
8/21/2018 11:34:28 AM



#48
Ethyl methacrylate
Concen: 2.20 ug/l
RT: 8.02 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VU026207.D
Acq: 20 Aug 2018 14:40

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	67.9	34.2	102.5	





#49

Toluene

Concen: 2.20 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS01

Tot Ion: 92 Resp: 60691

Ion Ratio Lower Upper

92 100

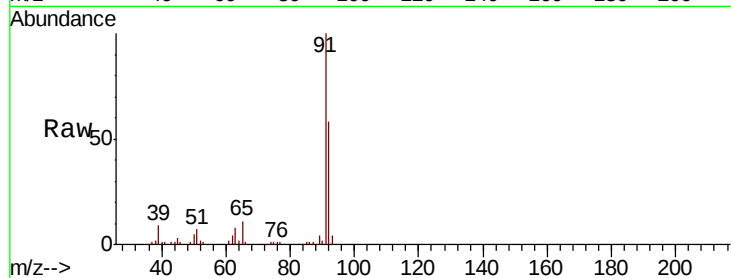
91 176.8 137.1 205.7

Manual Integrations

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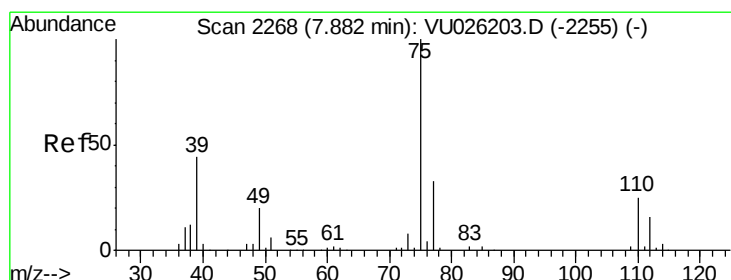
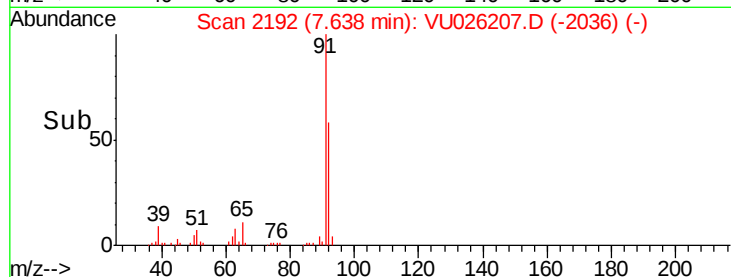
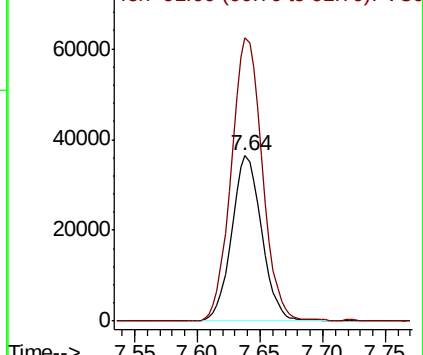
MMDadoda

8/21/2018 11:34:28 AM



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 2.18 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026207.D

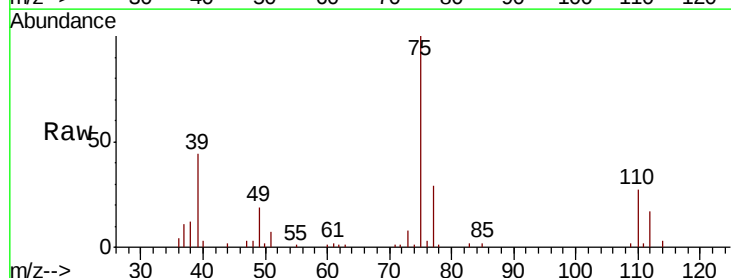
Acq: 20 Aug 2018 14:40

Tgt Ion: 75 Resp: 31887

Ion Ratio Lower Upper

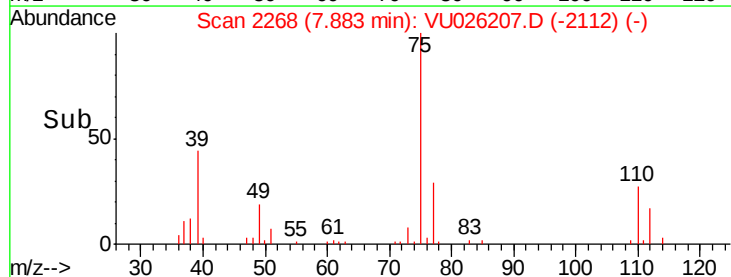
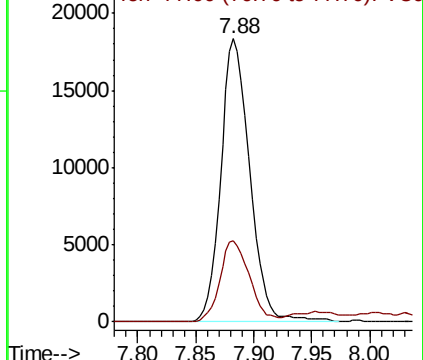
75 100

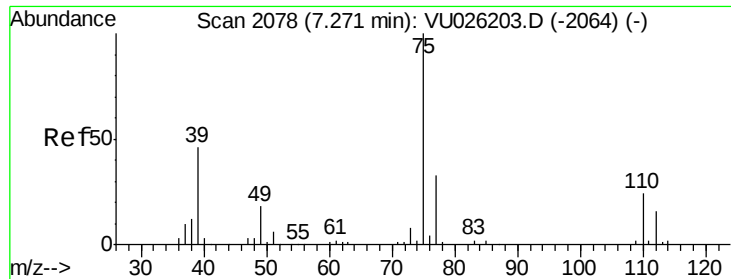
77 28.7 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#51
 cis-1,3-Dichloropropene
 Concen: 2.22 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

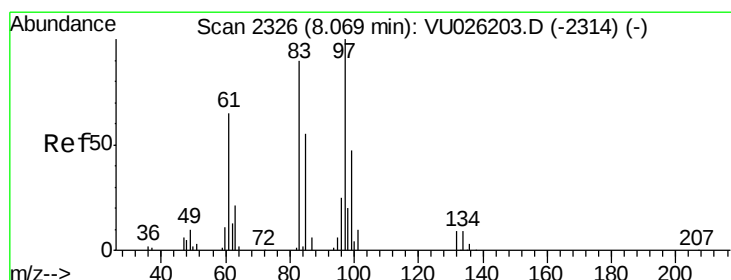
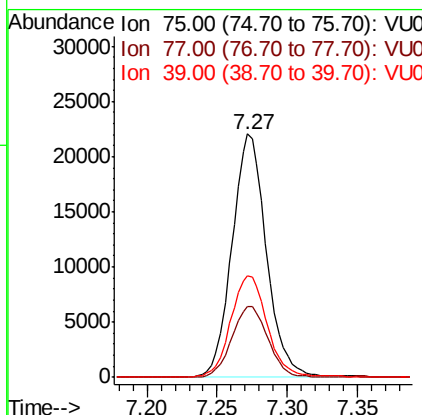
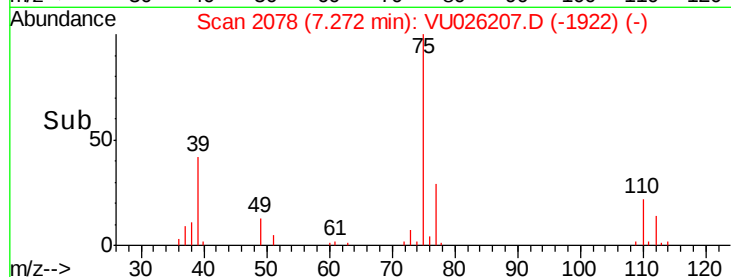
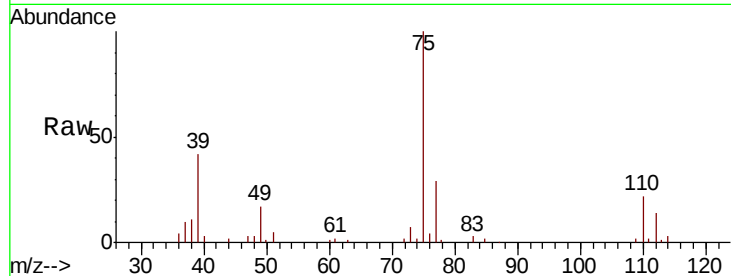
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS01

Tot Ion:	75	Resp:	37616
Ion	Ratio	Lower	Upper
75	100		
77	29.3	25.2	37.8
39	41.8	36.4	54.6

Manual Integrations
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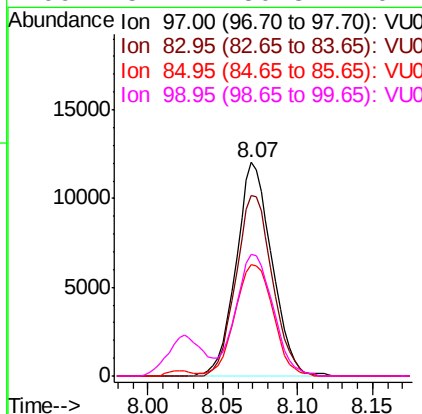
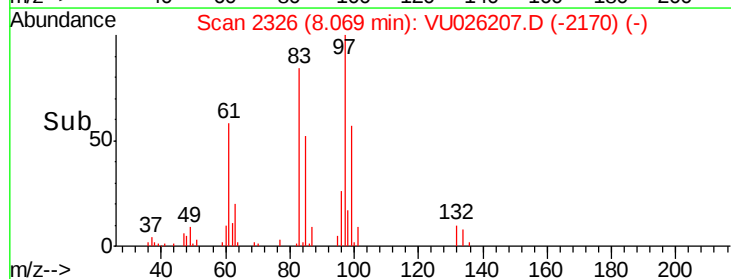
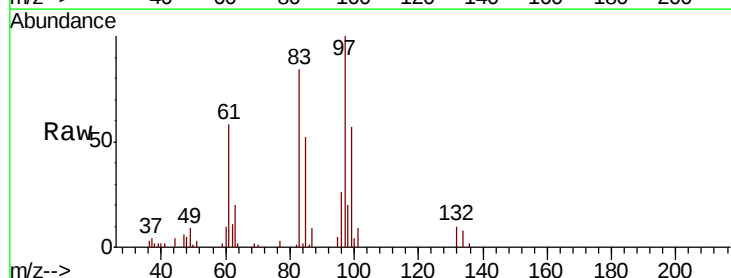
MMDadoda

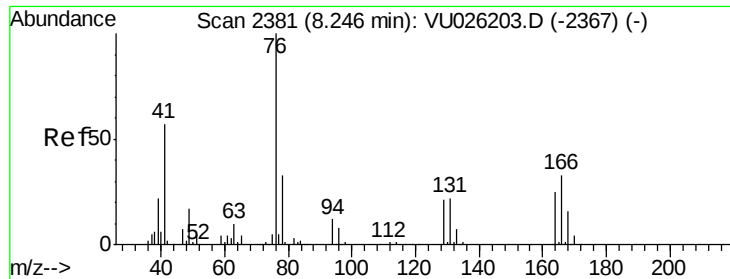
8/21/2018 11:34:28 AM



#52
 1,1,2-Trichloroethane
 Concen: 2.22 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

Tgt Ion:	97	Resp:	20034
Ion	Ratio	Lower	Upper
97	100		
83	84.2	72.6	109.0
85	52.2	47.2	70.8
99	57.1	50.8	76.2





#53
 1,3-Dichloropropane
 Concen: 2.15 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

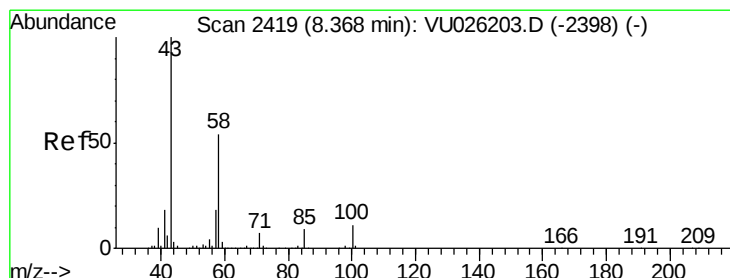
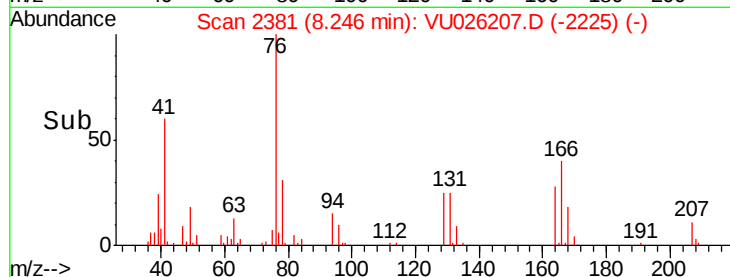
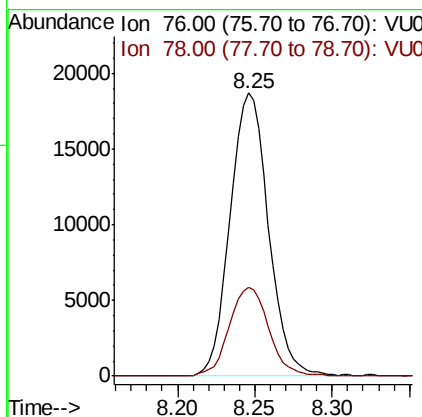
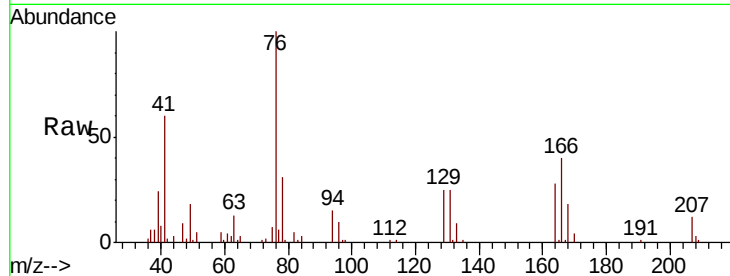
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS01

Tot Ion: 76 Resp: 32171
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5

Manual Integrations
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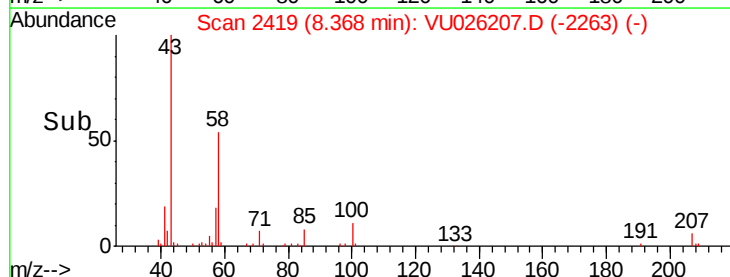
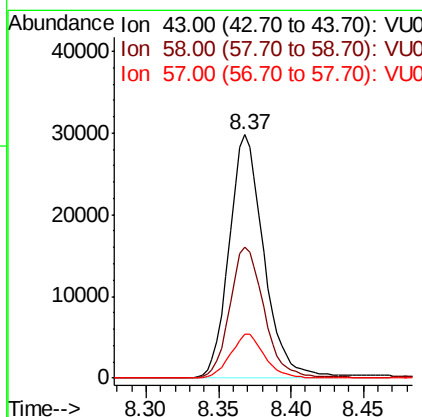
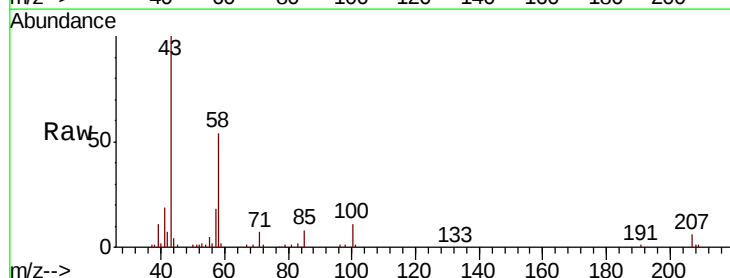
MMDadoda

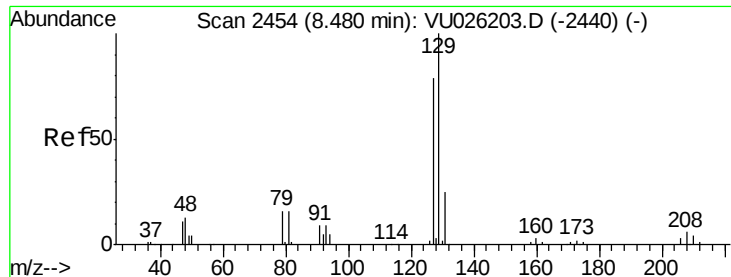
8/21/2018 11:34:28 AM



#54
 2-Hexanone
 Concen: 10.34 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

Tgt Ion: 43 Resp: 49535
 Ion Ratio Lower Upper
 43 100
 58 52.9 32.5 72.5
 57 17.6 0.0 37.9





#55

Dibromochloromethane

Concen: 2.20 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS01

Tot Ion:129 Resp: 26437

Ion Ratio Lower Upper

129 100

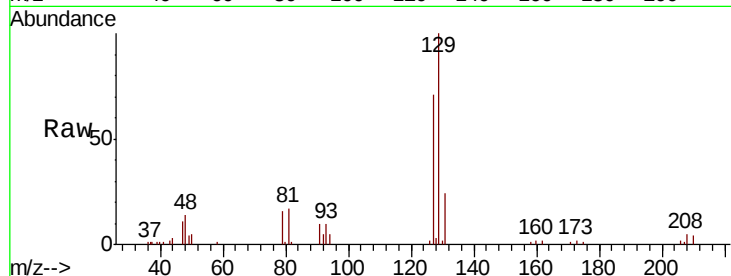
127 72.9 61.1 91.7

Manual Integrations

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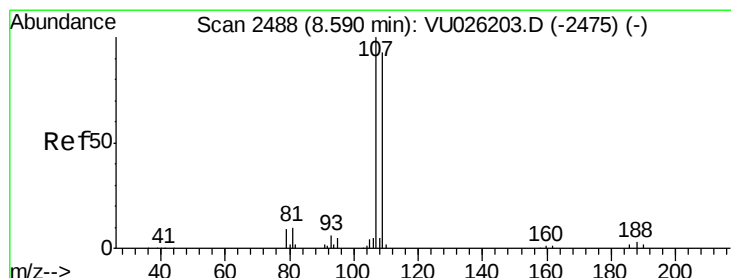
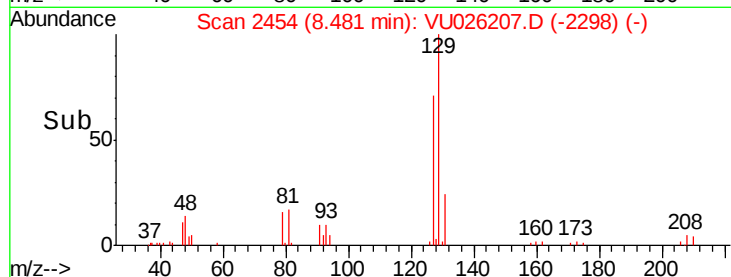
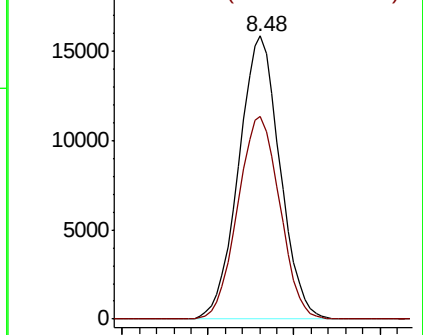
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 2.11 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU026207.D

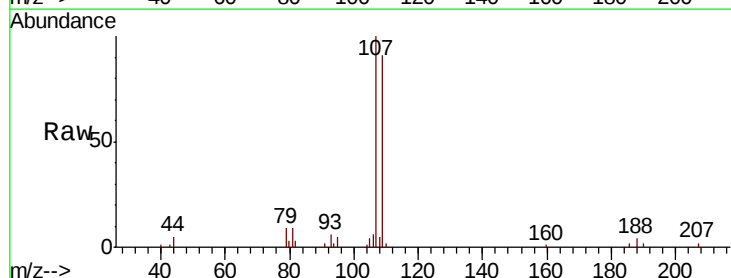
Acq: 20 Aug 2018 14:40

Tgt Ion:107 Resp: 18508

Ion Ratio Lower Upper

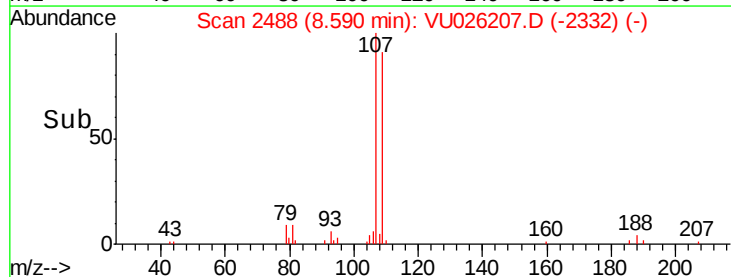
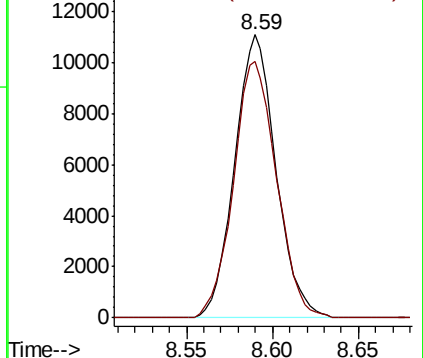
107 100

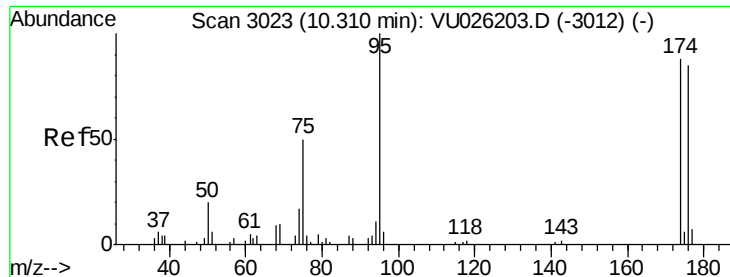
109 94.2 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 2.11 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

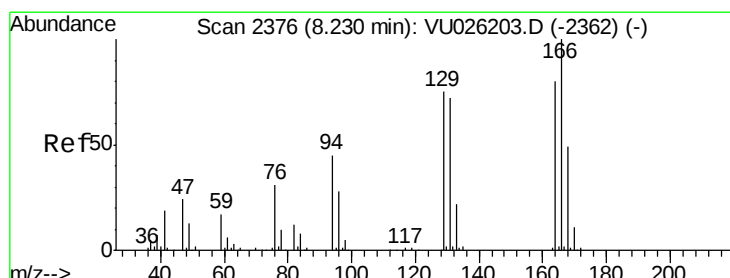
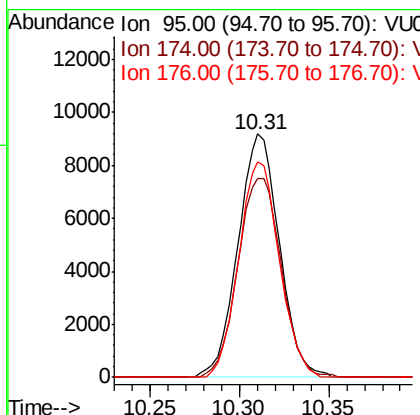
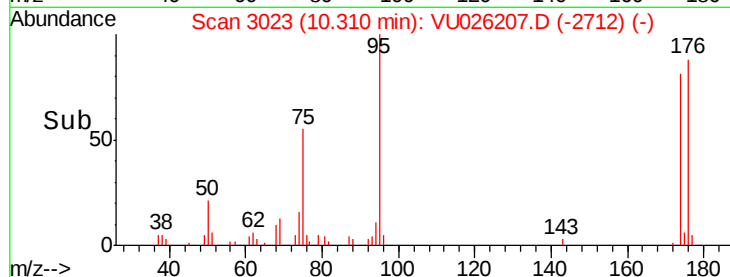
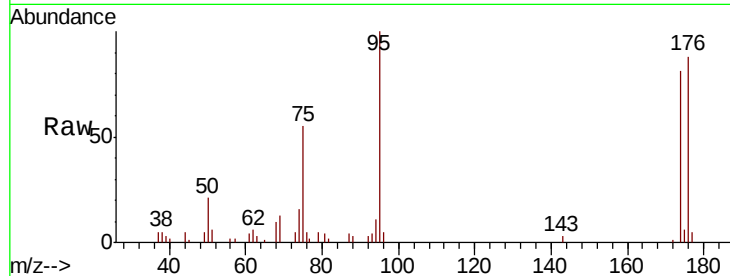
VU0820WBS01

Tot Ion:	95	Resp:	14901
Ion Ratio	Lower	Upper	
95	100		
174	86.0	65.6	98.4
176	86.8	62.0	93.0

Manual Integrations
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#58

Tetrachloroethene

Concen: 2.10 ug/l

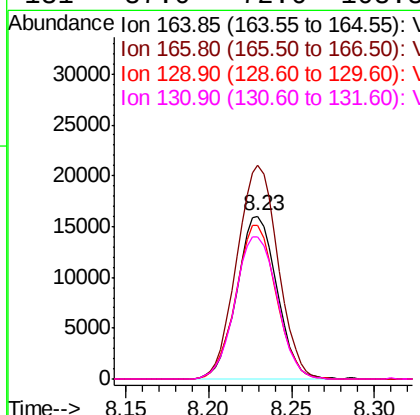
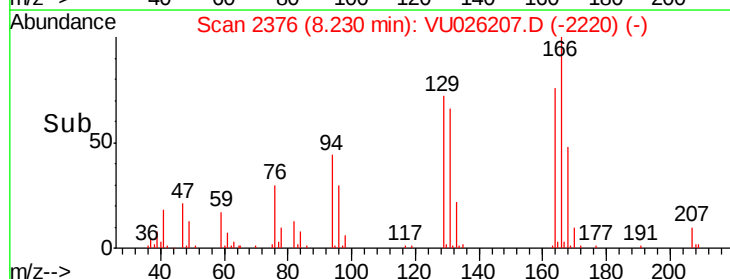
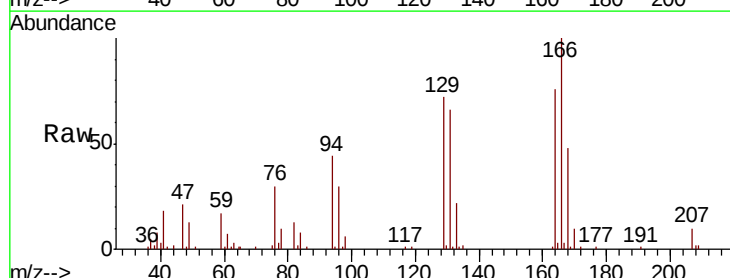
RT: 8.23 min Scan# 2376

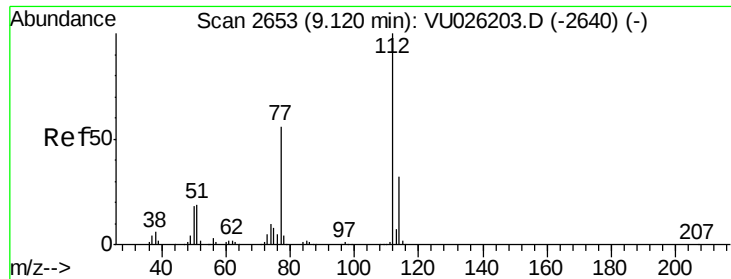
Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Tgt Ion:	164	Resp:	26980
Ion Ratio	Lower	Upper	
164	100		
166	130.9	104.1	156.1
129	94.5	76.8	115.2
131	87.0	72.6	108.8





#59
Chlorobenzene
Concen: 2.18 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026207.D
Acq: 20 Aug 2018 14:40

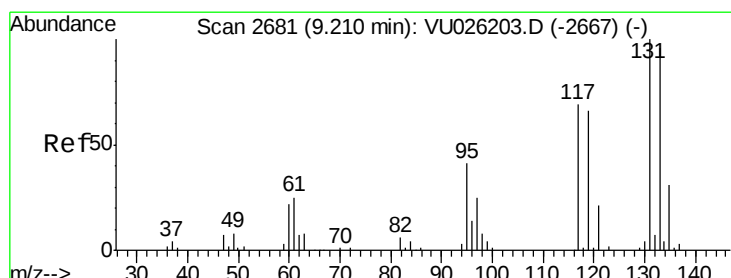
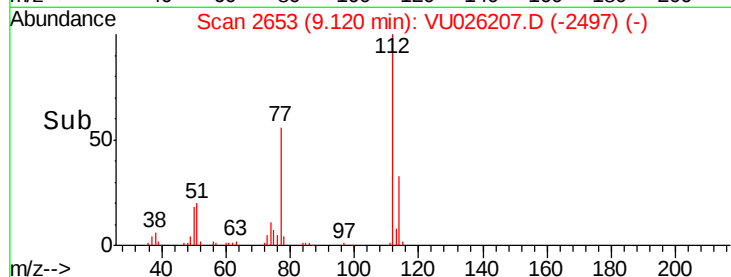
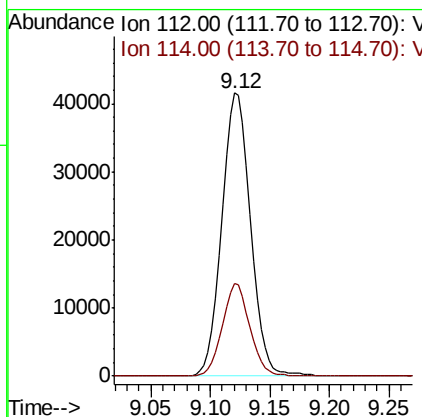
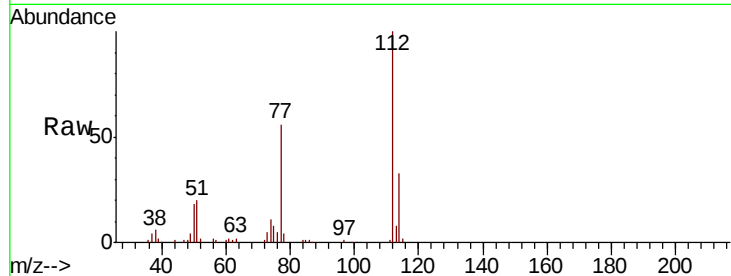
Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.4	38.2

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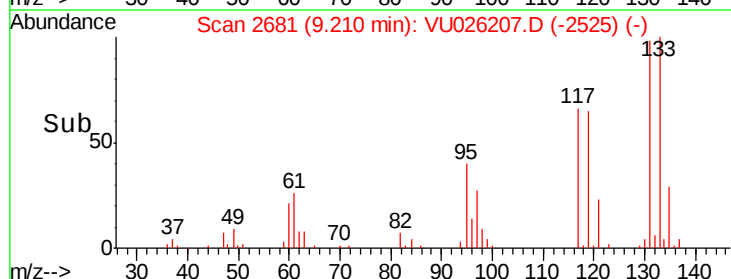
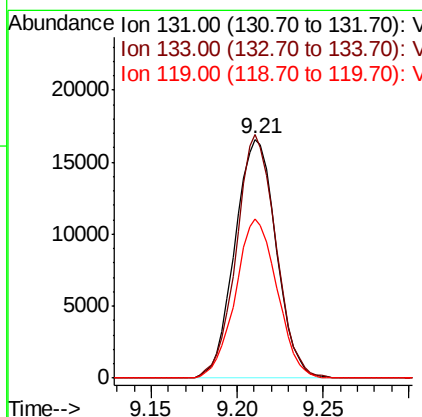
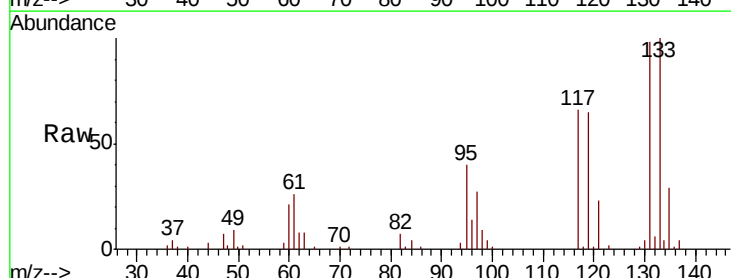
MMDadoda

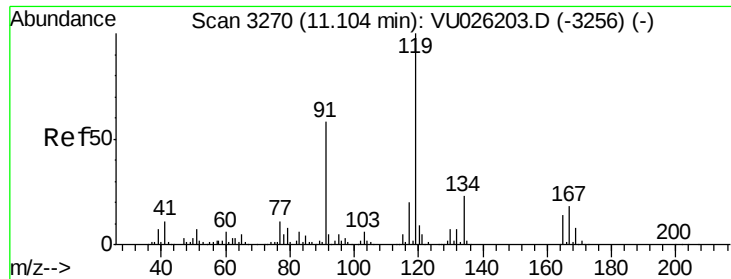
8/21/2018 11:34:28 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 2.18 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026207.D
Acq: 20 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.5	75.8	113.8
119	66.8	53.0	79.6





#61
 Pentachloroethane
 Concen: 2.08 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

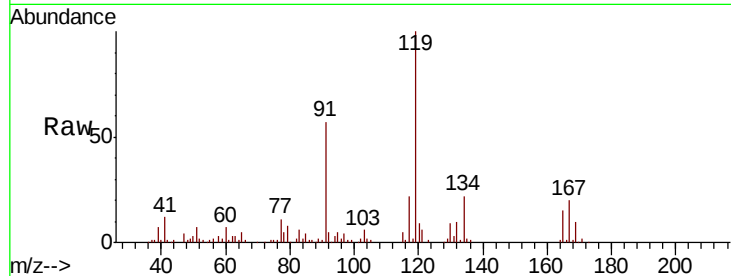
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS01

Tot Ion:117 Resp: 22580
 Ion Ratio Lower Upper
 117 100
 167 90.0 69.2 103.8

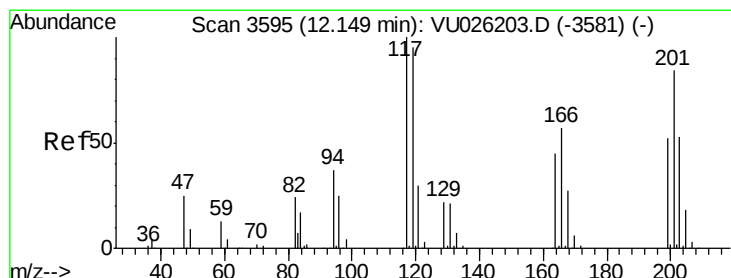
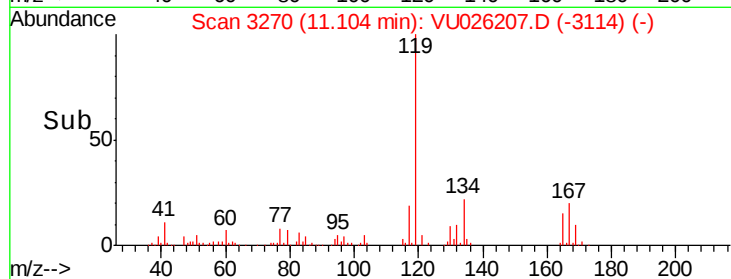
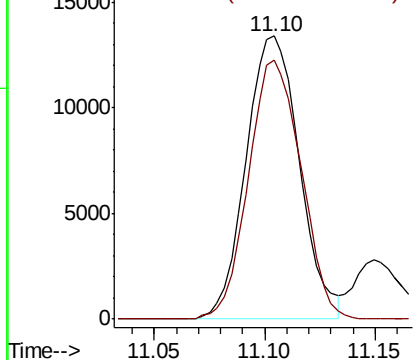
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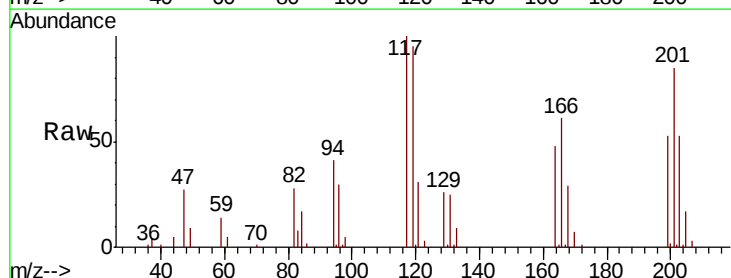


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V

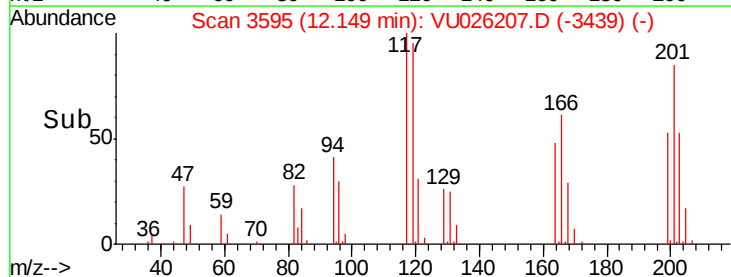
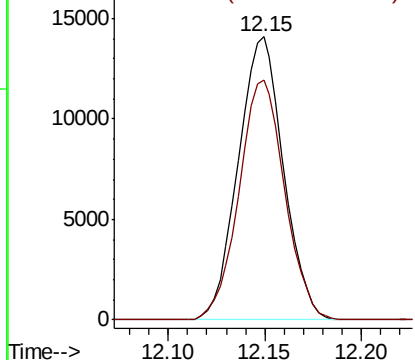


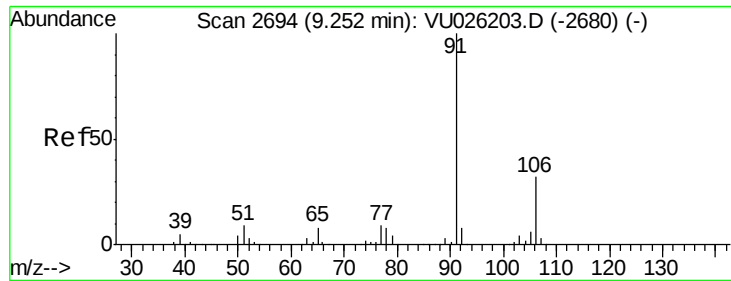
#62
 Hexachloroethane
 Concen: 2.11 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

Tgt Ion:117 Resp: 22897
 Ion Ratio Lower Upper
 117 100
 201 85.6 68.7 103.1



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 2.12 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS01

Tot Ion: 91 Resp: 107147

Ion Ratio Lower Upper

91 100

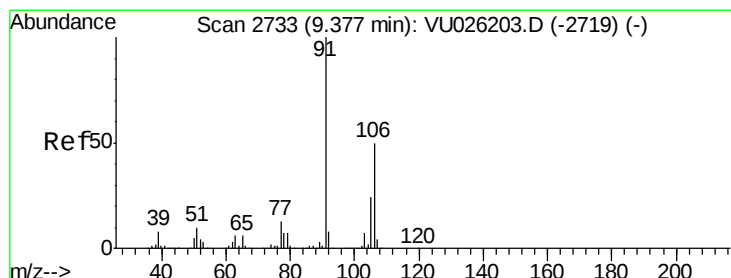
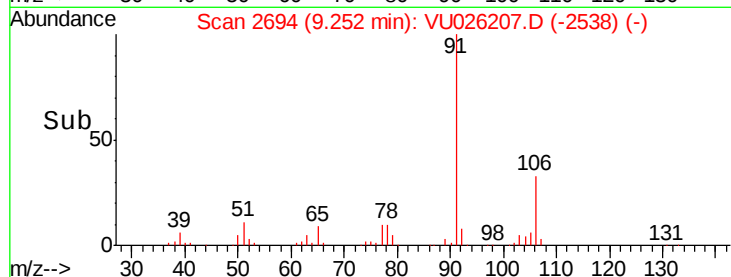
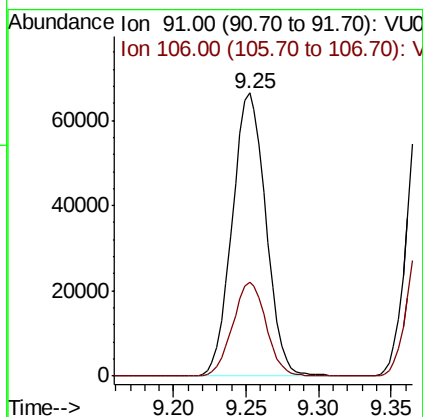
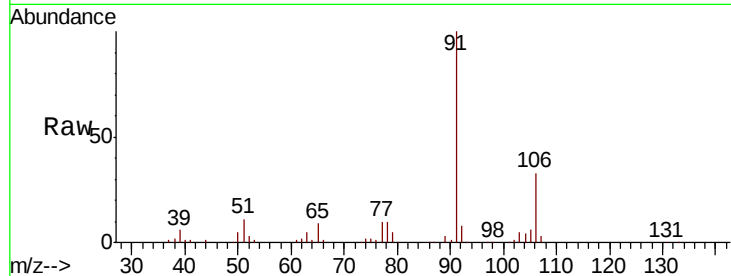
106 33.3 24.7 37.1

Manual Integrations

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#64

m/p-Xylenes

Concen: 4.45 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026207.D

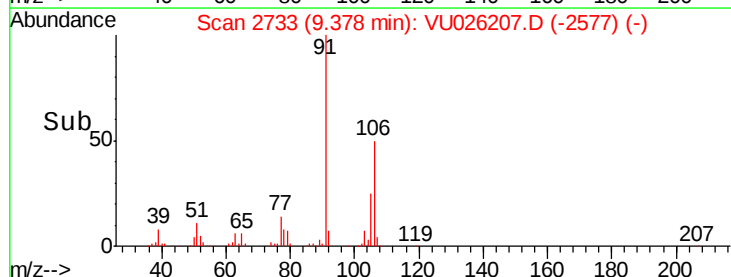
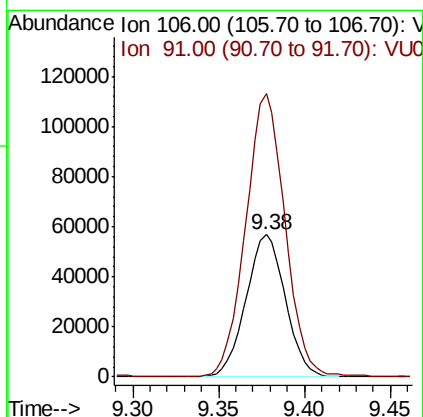
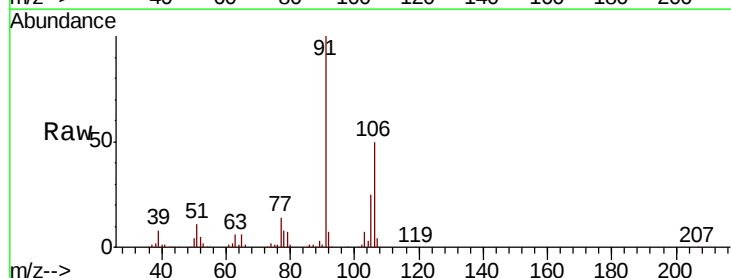
Acq: 20 Aug 2018 14:40

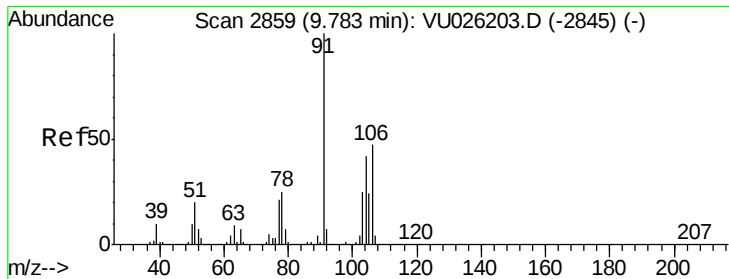
Tgt Ion: 106 Resp: 89926

Ion Ratio Lower Upper

106 100

91 198.8 164.1 246.1





#65

o-Xylene

Concen: 2.22 ug/l

RT: 9.78 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS01

Tot Ion:106 Resp: 42765

Ion Ratio Lower Upper

106 100

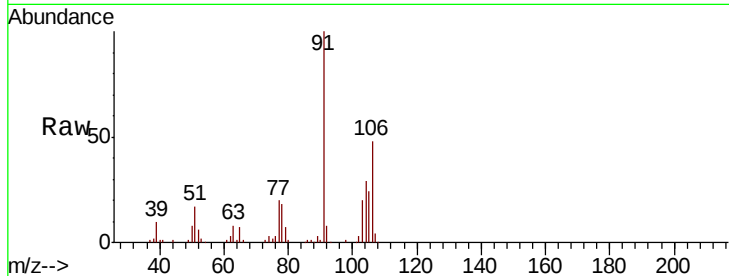
91 209.4 107.9 323.7

Manual Integrations

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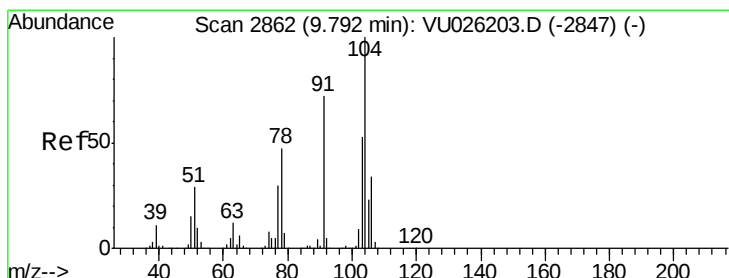
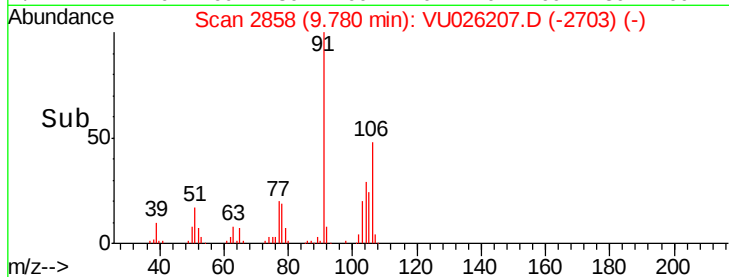
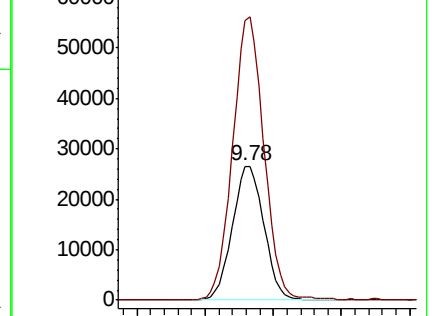
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 2.21 ug/l

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

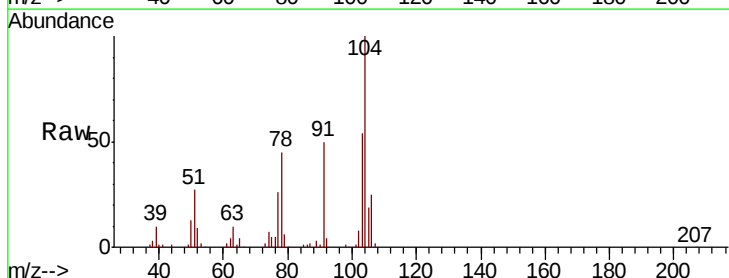
Tgt Ion:104 Resp: 72942

Ion Ratio Lower Upper

104 100

78 48.9 40.2 60.2

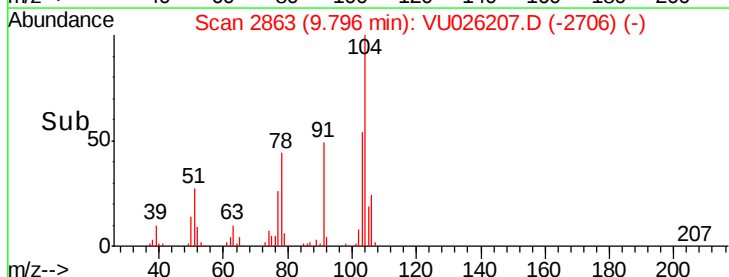
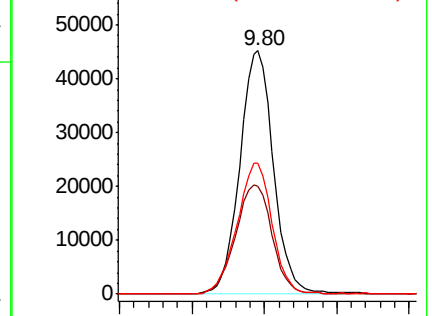
103 56.0 44.2 66.4

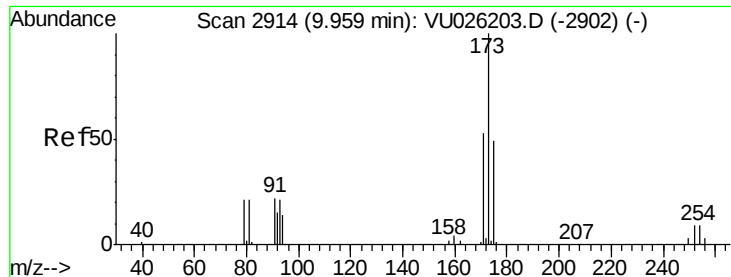


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 2.14 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

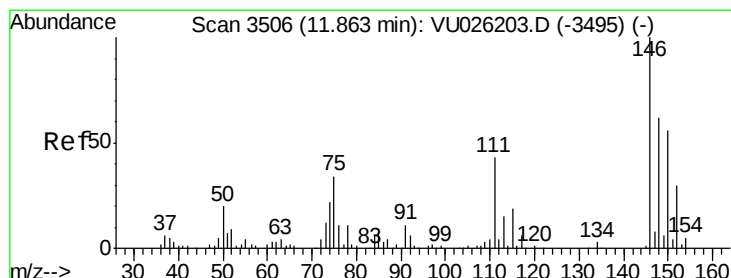
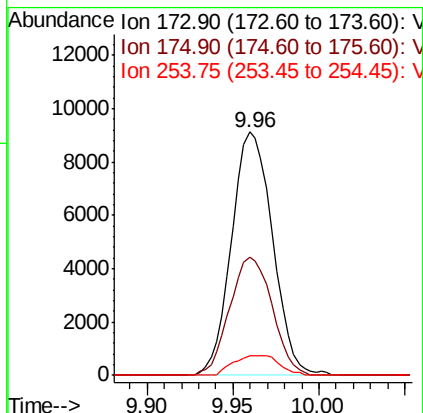
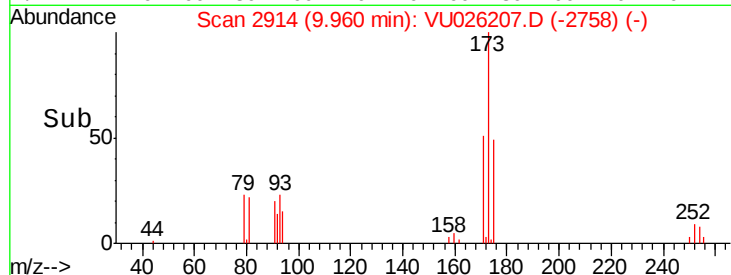
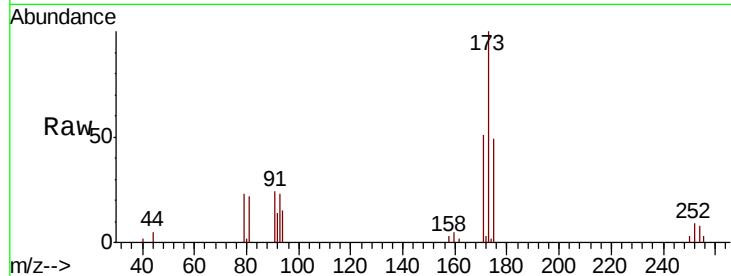
VU0820WBS01

Tot Ion:	173	Resp:	15155
Ion Ratio	Lower	Upper	
173	100		
175	50.2	38.6	57.8
254	9.1	8.8	13.2

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#68

1,2-Dichlorobenzene-d4

Concen: 2.14 ug/l

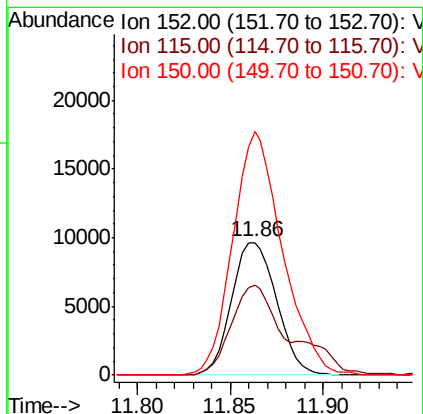
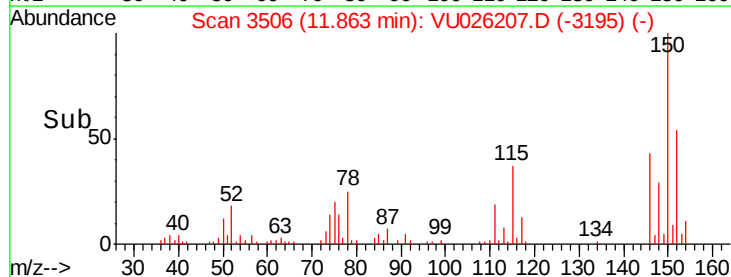
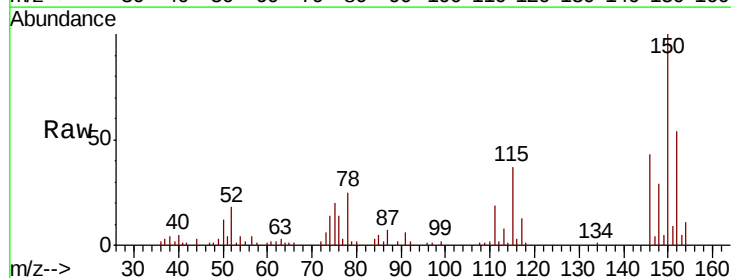
RT: 11.86 min Scan# 3506

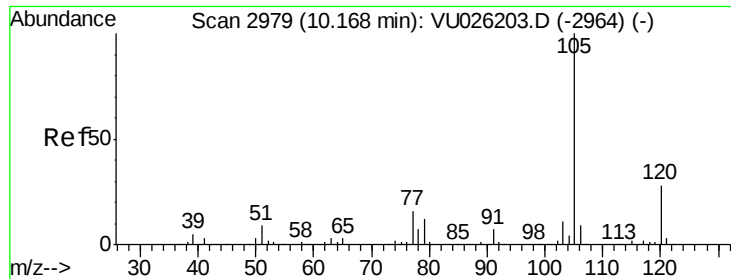
Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Tgt Ion:	152	Resp:	16280
Ion Ratio	Lower	Upper	
152	100		
115	87.7	0.0	118.8
150	202.0	0.0	0.0#





#69

Isopropylbenzene

Concen: 2.14 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS01

Tot Ion: 105 Resp: 109062

Ion Ratio Lower Upper

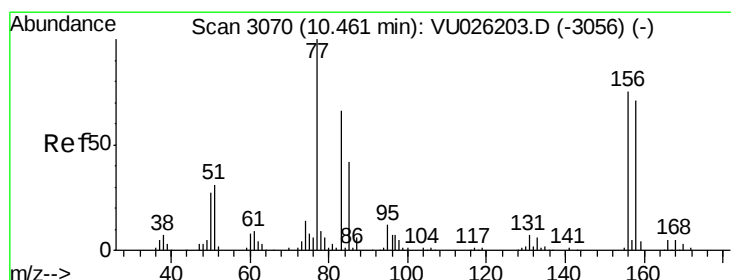
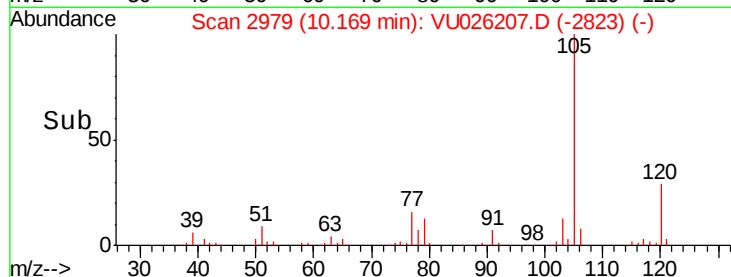
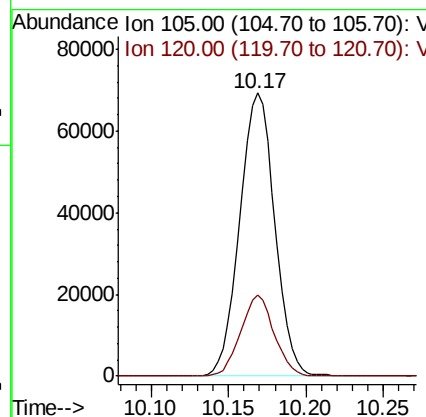
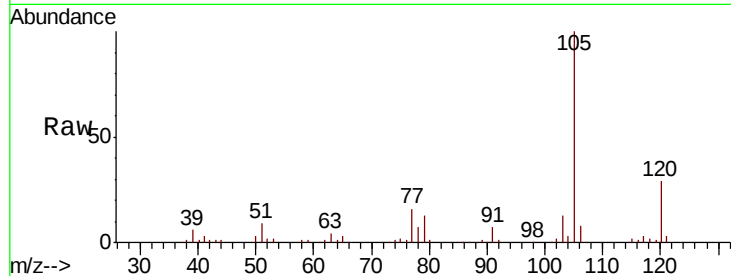
105 100

120 27.2 13.1 39.3

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#70

1,1,2,2-Tetrachloroethane

Concen: 2.09 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

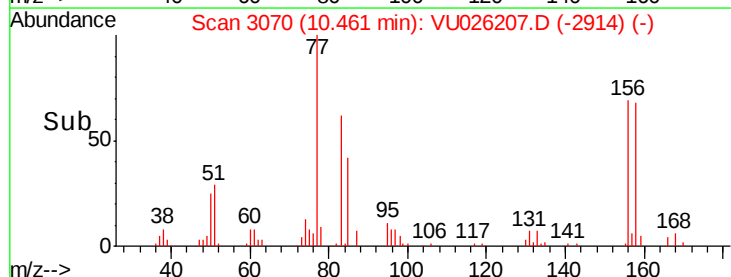
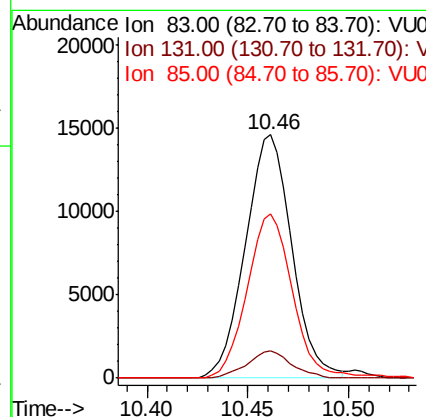
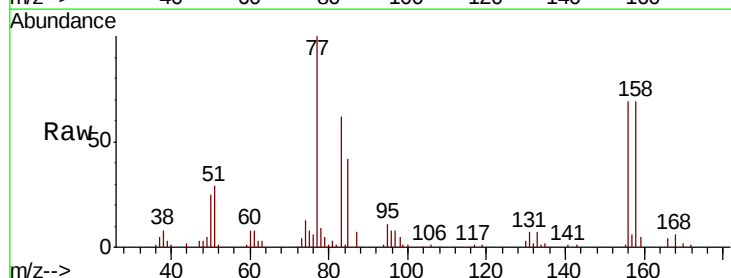
Tgt Ion: 83 Resp: 23556

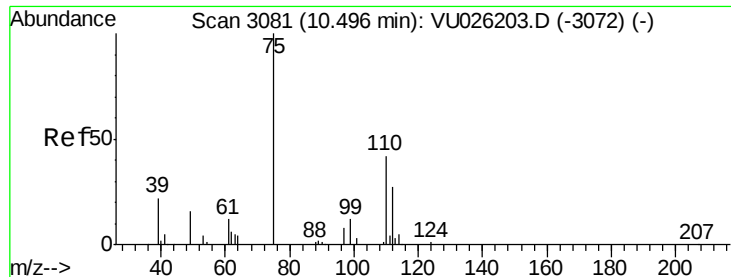
Ion Ratio Lower Upper

83 100

131 10.5 7.9 11.9

85 66.4 51.8 77.6





#71
 1,2,3-Trichloropropane
 Concen: 2.16 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

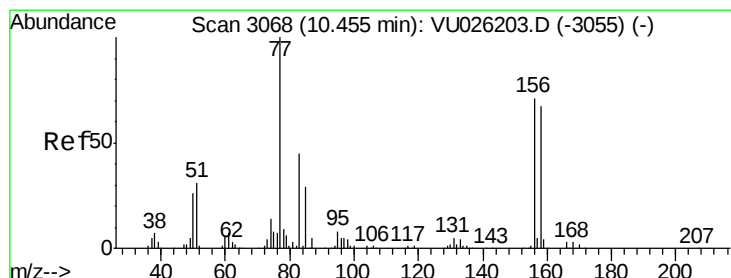
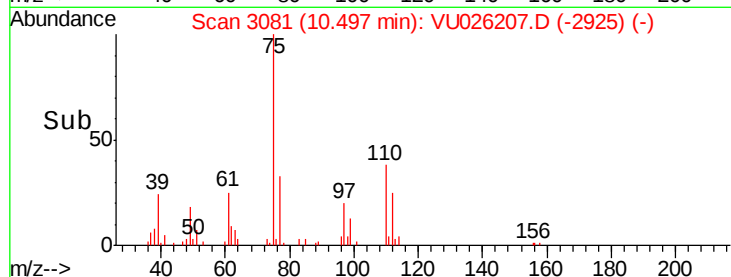
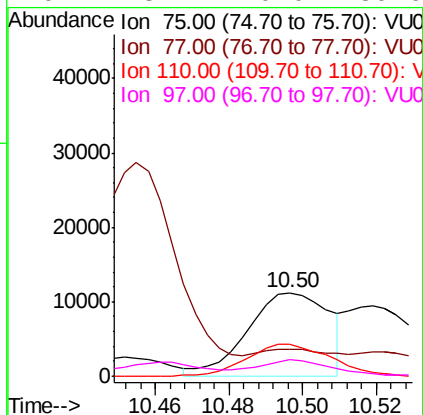
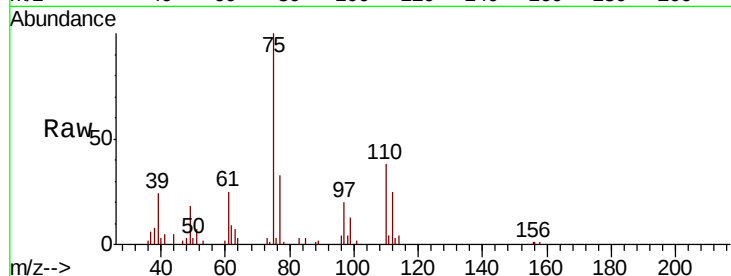
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS01

Tot Ion:	75	Resp:	17449
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	39.3	0.0	74.0
97	18.1	0.0	39.6

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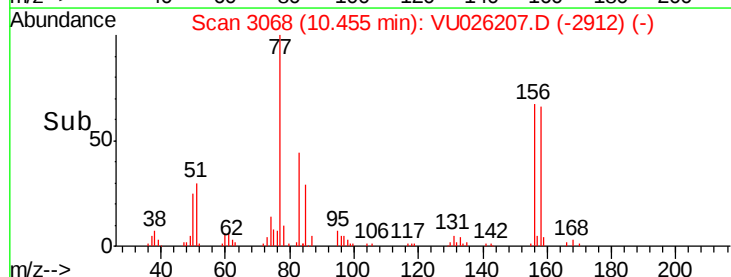
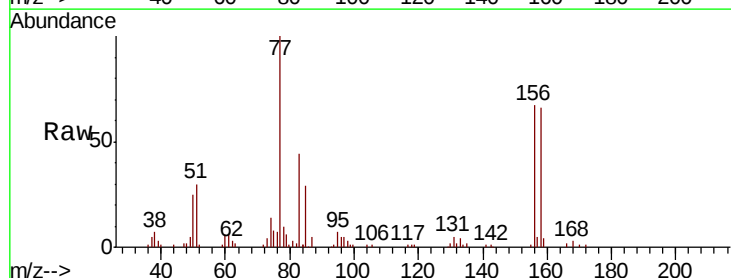
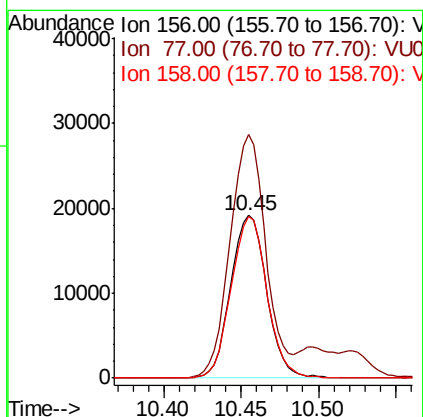
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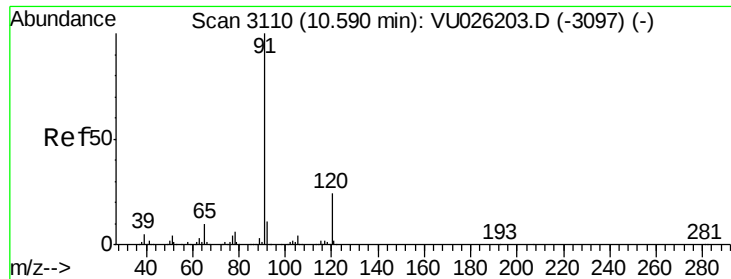
8/21/2018 11:34:28 AM



#72
 Bromobenzene
 Concen: 2.17 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

Tgt Ion:	156	Resp:	30914
Ion	Ratio	Lower	Upper
156	100		
77	149.6	0.0	309.8
158	98.5	0.0	193.0





#73

n-propylbenzene

Concen: 2.13 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS01

Tot Ion:120 Resp: 31760

Ion Ratio Lower Upper

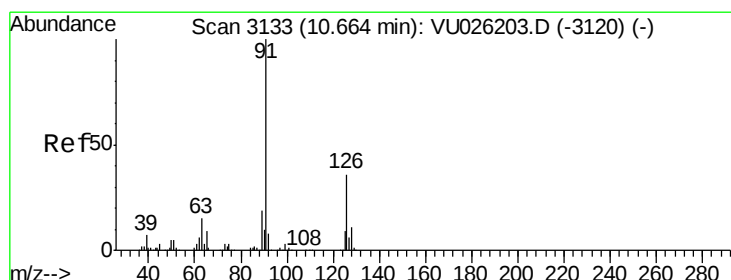
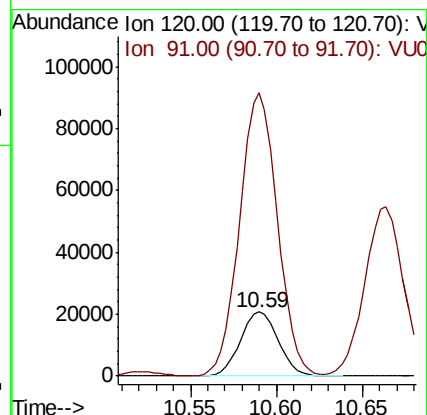
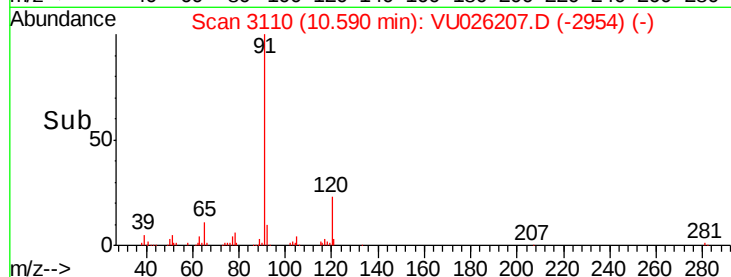
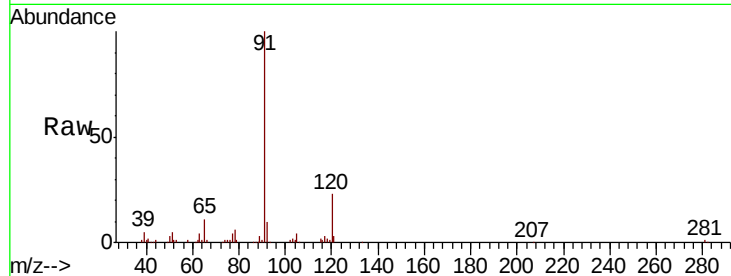
120 100

91 437.5 352.2 528.4

Manual Integrations
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#74

2-Chlorotoluene

Concen: 2.23 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU026207.D

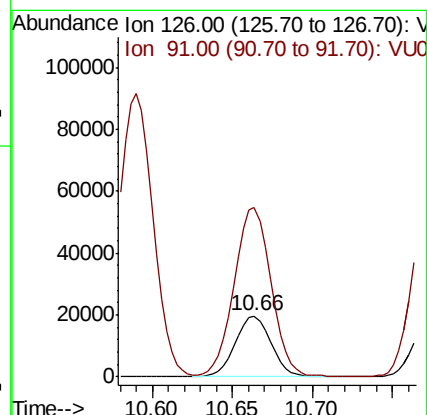
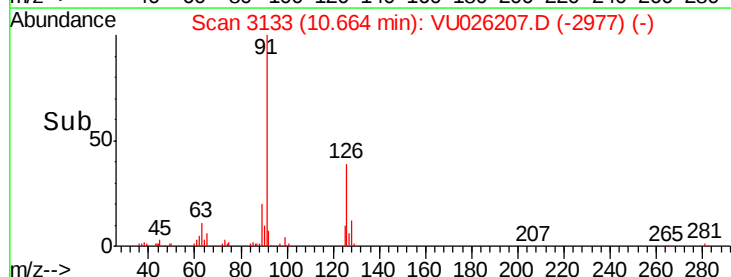
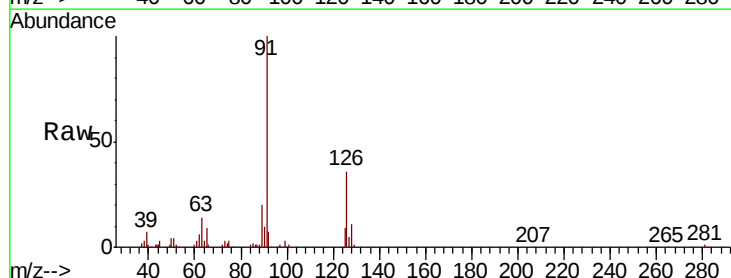
Acq: 20 Aug 2018 14:40

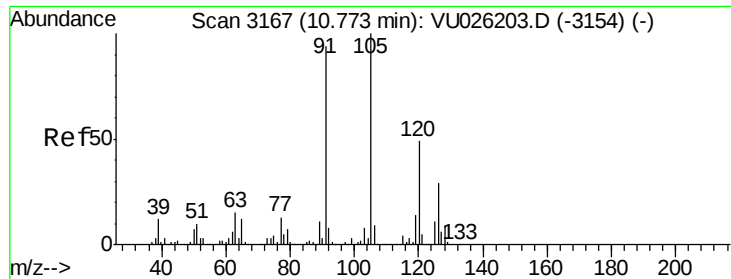
Tgt Ion:126 Resp: 29991

Ion Ratio Lower Upper

126 100

91 285.0 0.0 613.0





#75

1,3,5-Trimethylbenzene

Concen: 2.21 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS01

Tot Ion:105 Resp: 100201

Ion Ratio Lower Upper

105 100

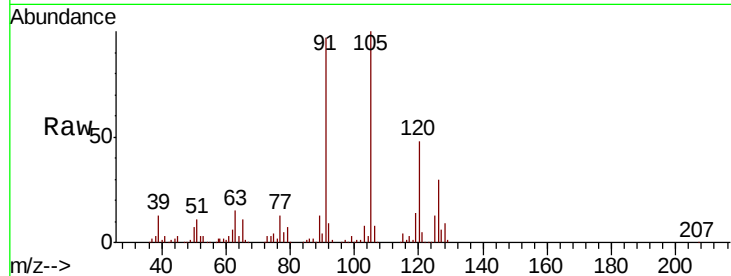
120 48.7 39.0 58.6

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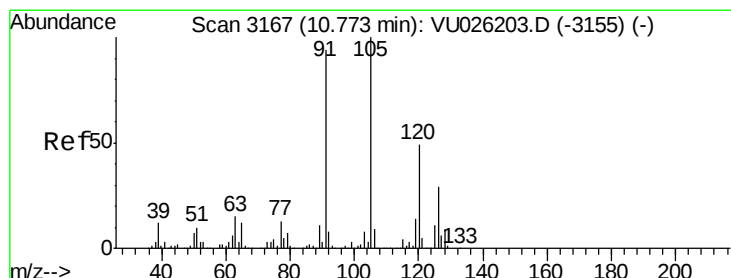
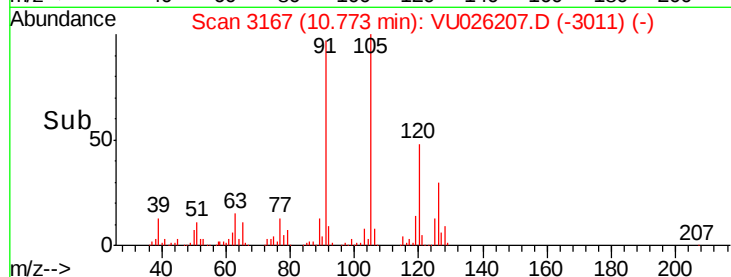
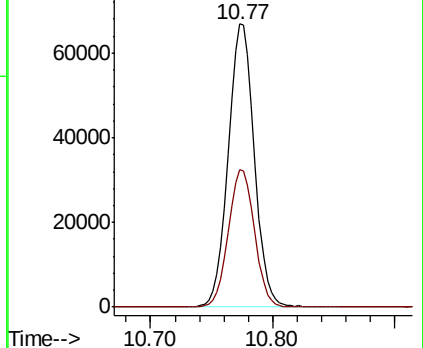
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 2.29 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU026207.D

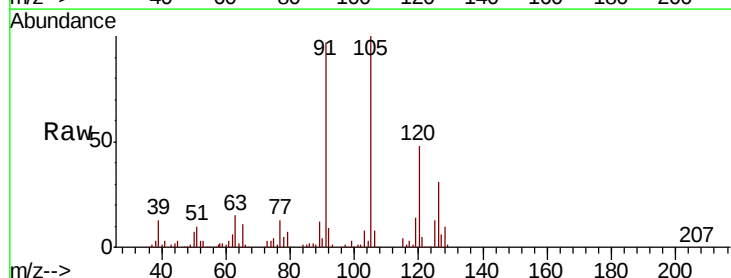
Acq: 20 Aug 2018 14:40

Tgt Ion:126 Resp: 31629

Ion Ratio Lower Upper

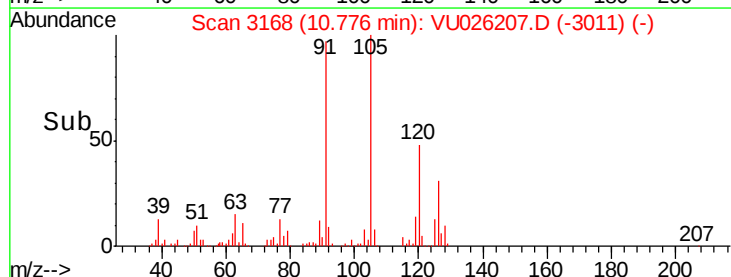
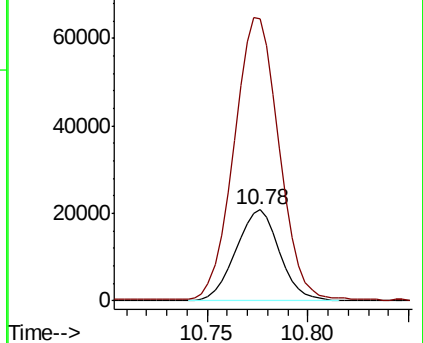
126 100

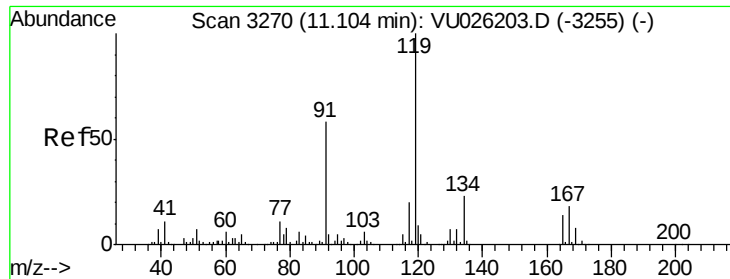
91 318.7 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77
 tert-Butylbenzene
 Concen: 2.16 ug/l
 RT: 11.10 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

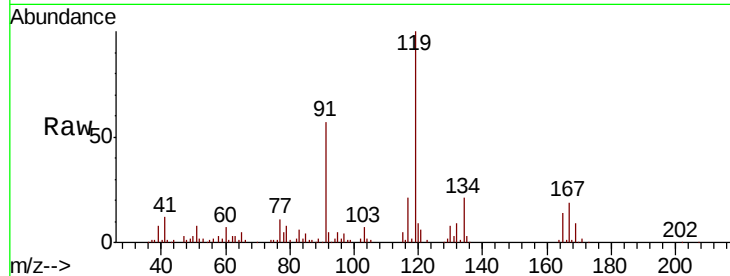
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.3	29.6	88.8
134	22.7	19.1	28.7

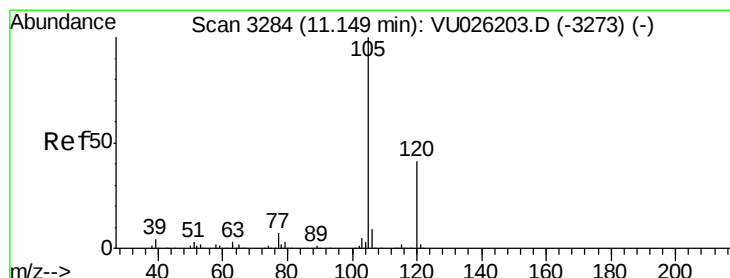
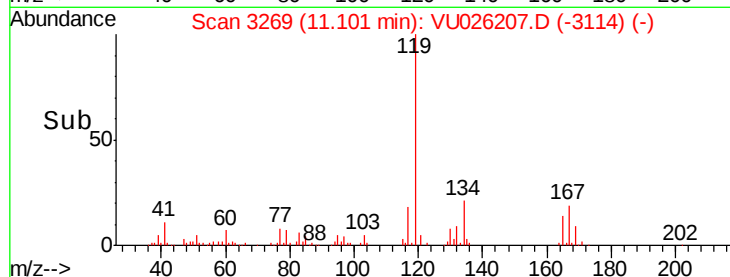
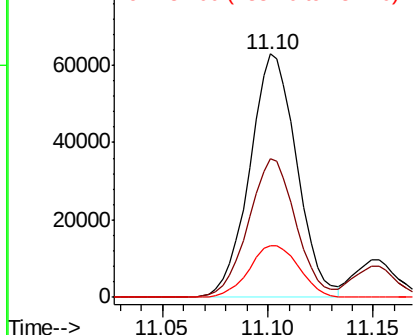
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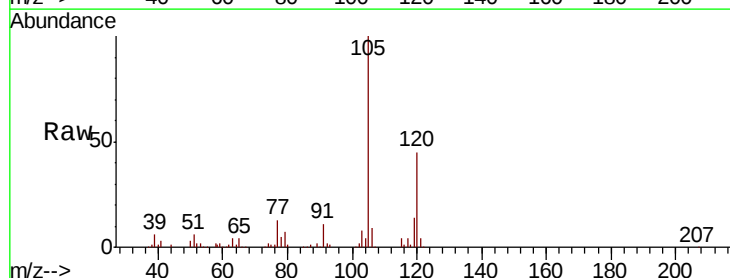


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

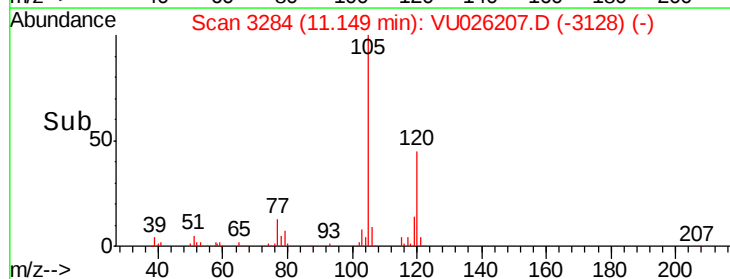
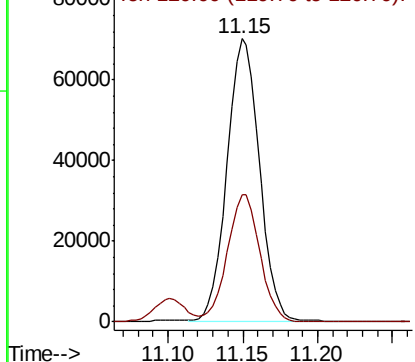


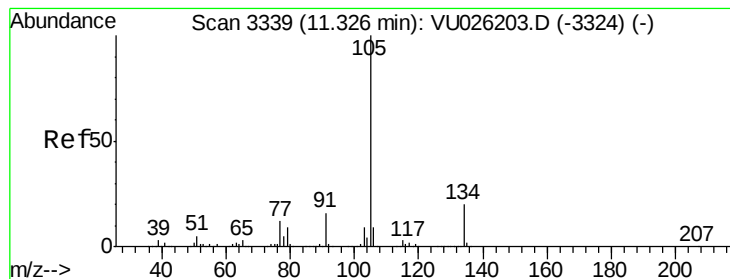
#78
 1,2,4-Trimethylbenzene
 Concen: 2.27 ug/l
 RT: 11.15 min Scan# 3284
 Delta R.T. 0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	23.1	69.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 2.24 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS01

Tot Ion: 105 Resp: 132076

Ion Ratio Lower Upper

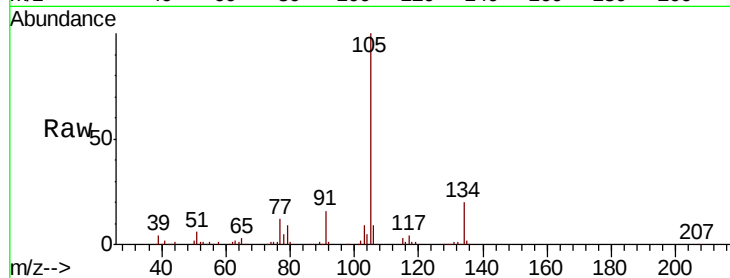
105 100

134 19.2 15.6 23.4

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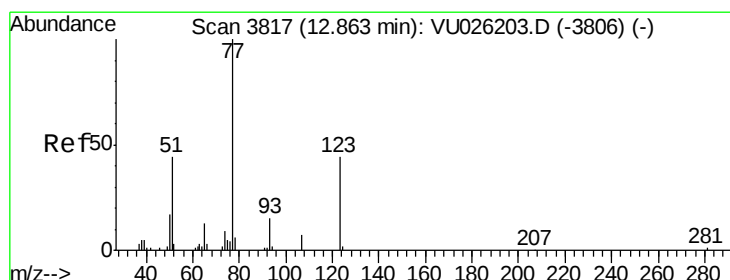
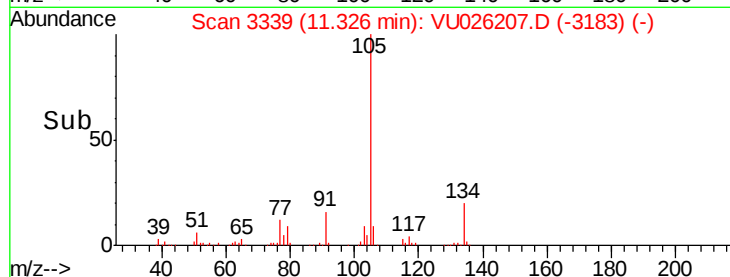
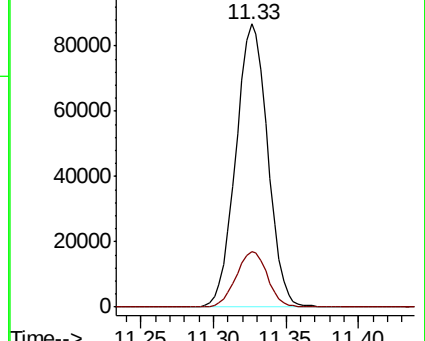
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 10.80 ug/l

RT: 12.87 min Scan# 3818

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

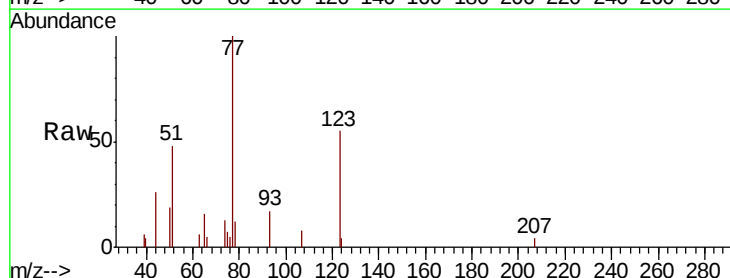
Tgt Ion: 77 Resp: 5331

Ion Ratio Lower Upper

77 100

123 42.4 19.4 68.6

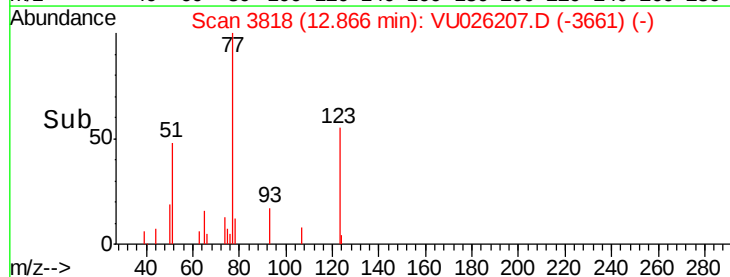
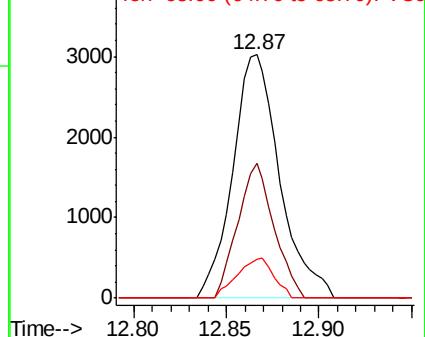
65 12.7 11.2 14.2

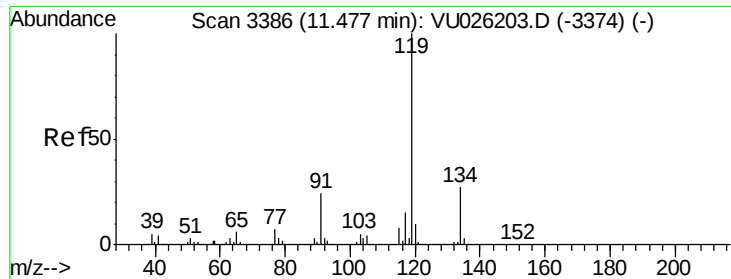


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81
p-Isopropyltoluene
Concen: 2.19 ug/l
RT: 11.48 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VU026207.D
Acq: 20 Aug 2018 14:40

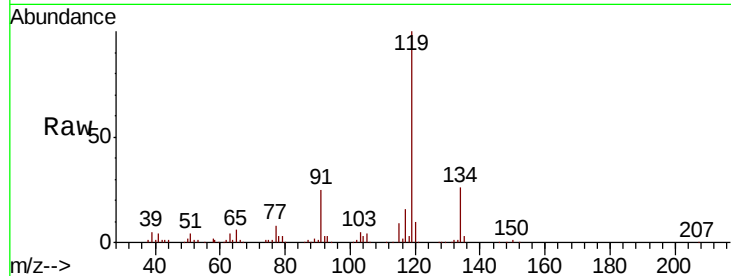
Instrument :
MSVOA_U
ClientSampled :
VU0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	109658		
134	26.1	20.9	31.3	
91	24.3	18.2	27.2	

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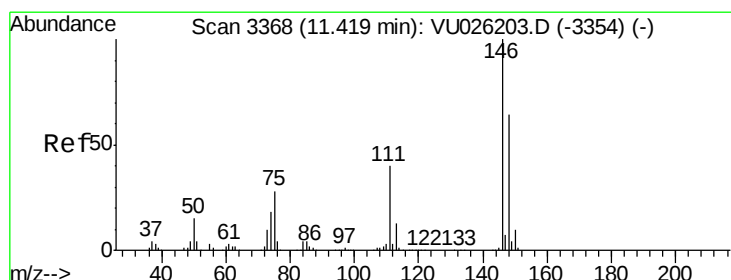
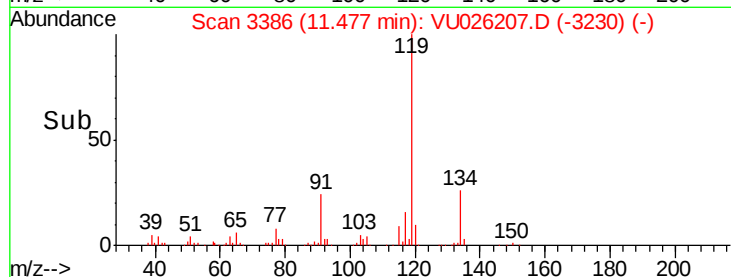
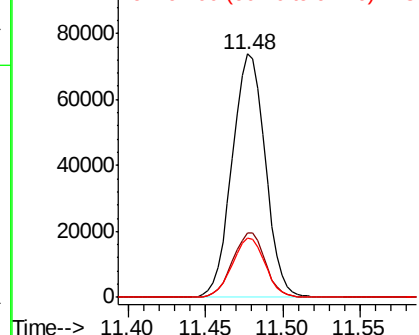


Abundance

Ion 119.00 (118.70 to 119.70): V

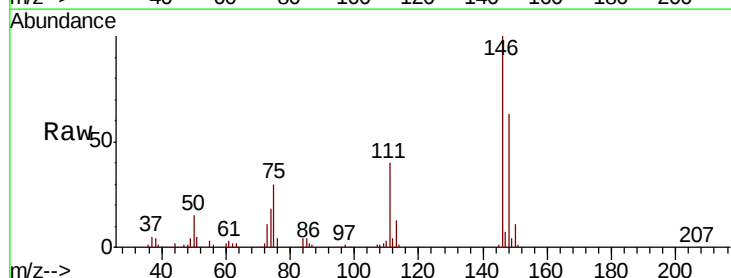
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#82
1,3-Dichlorobenzene
Concen: 2.18 ug/l
RT: 11.42 min Scan# 3368
Delta R.T. 0.00 min
Lab File: VU026207.D
Acq: 20 Aug 2018 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	65504		
111	39.9	31.8	47.6	
148	63.5	51.0	76.4	

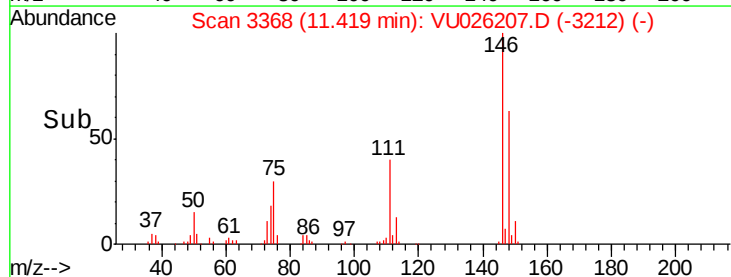
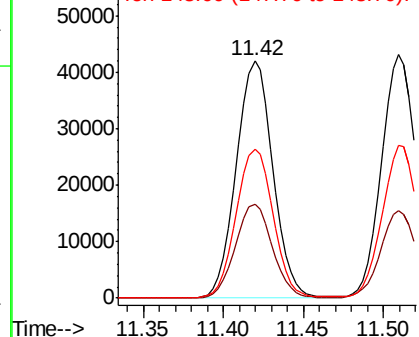


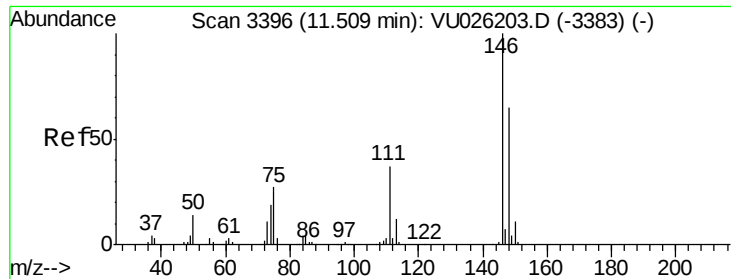
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#83
 1,4-Dichlorobenzene
 Concen: 2.19 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

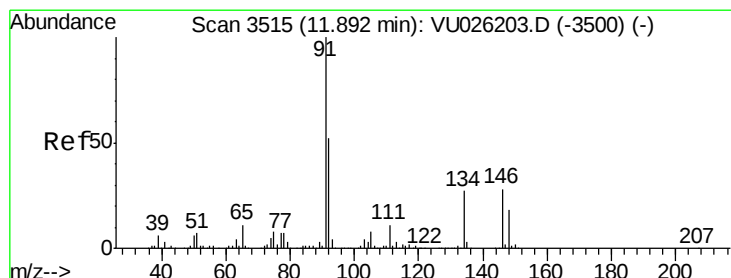
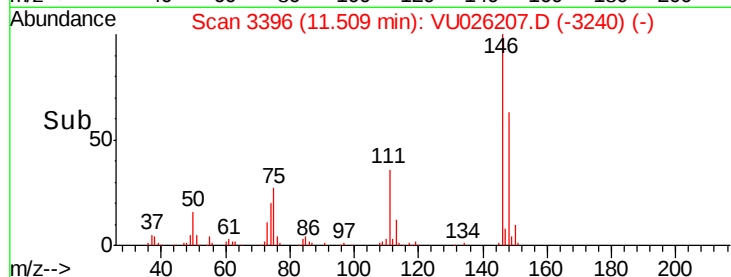
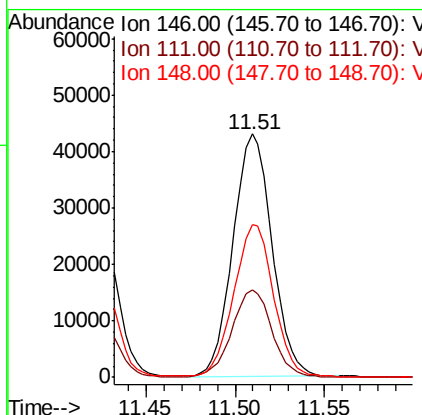
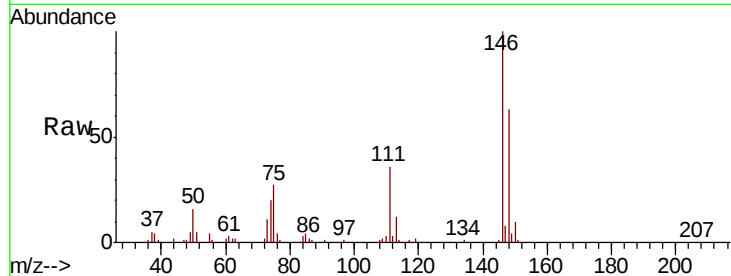
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	30.1	45.1
148	64.9	50.6	76.0

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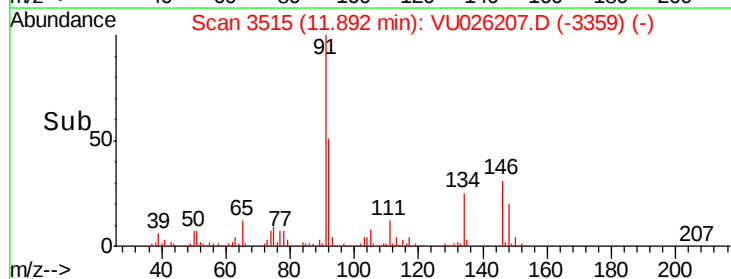
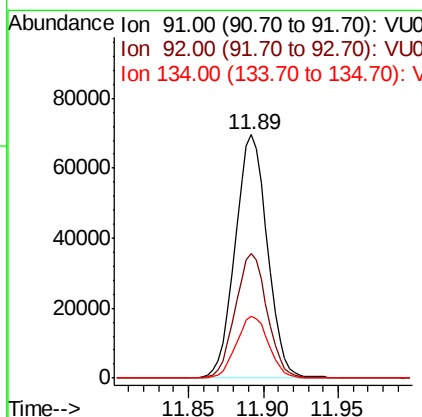
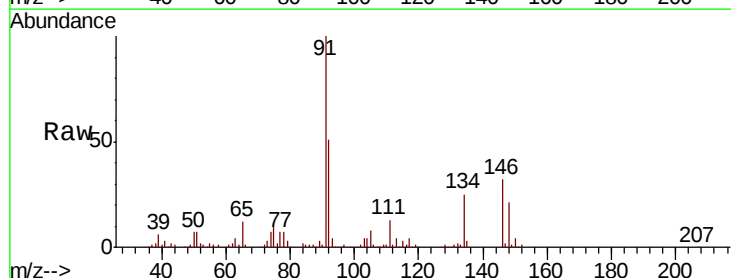
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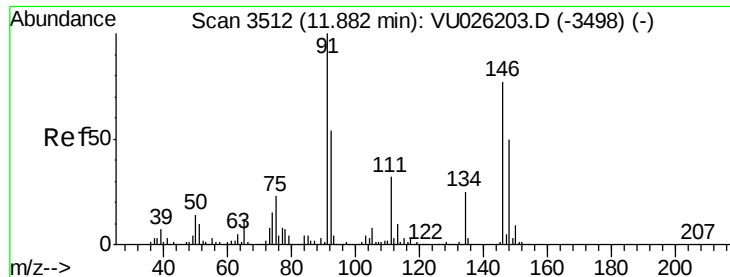
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#84
 n-Butylbenzene
 Concen: 2.15 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.6	42.2	63.2
134	25.5	20.3	30.5





#85
 1,2-Dichlorobenzene
 Concen: 2.10 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

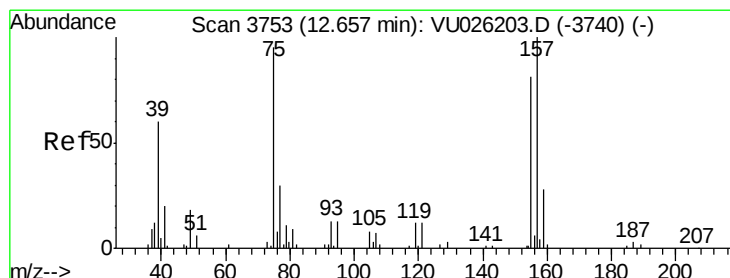
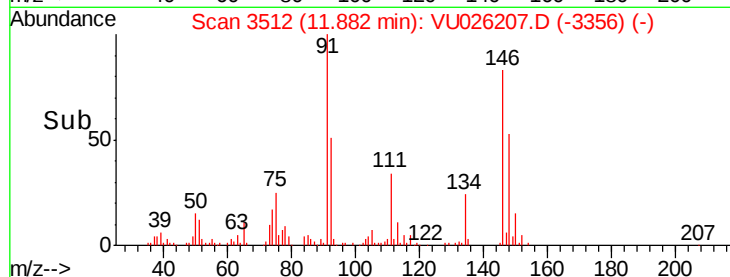
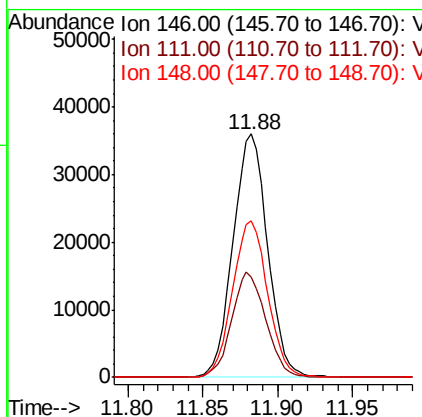
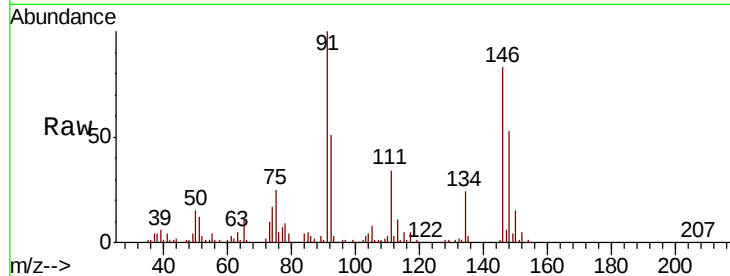
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.7	62.1
148	65.1	31.9	95.5

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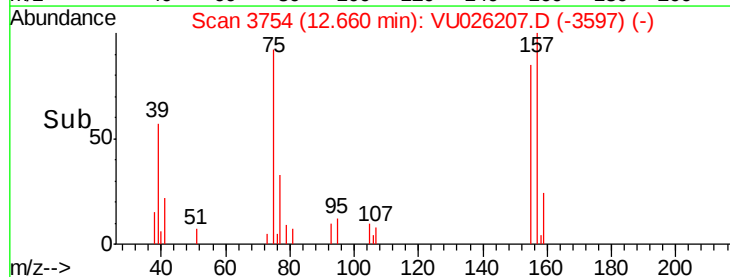
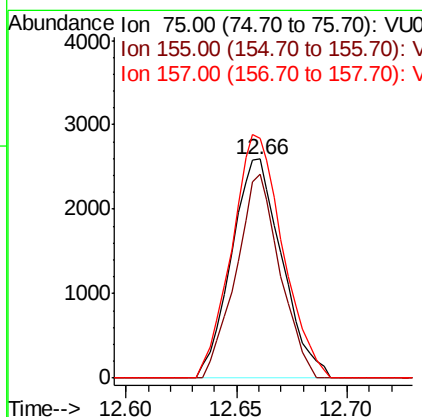
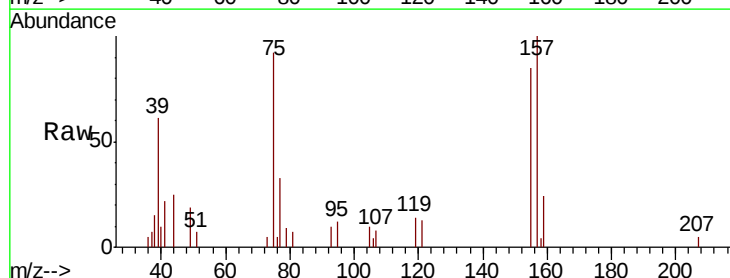
MMDadoda

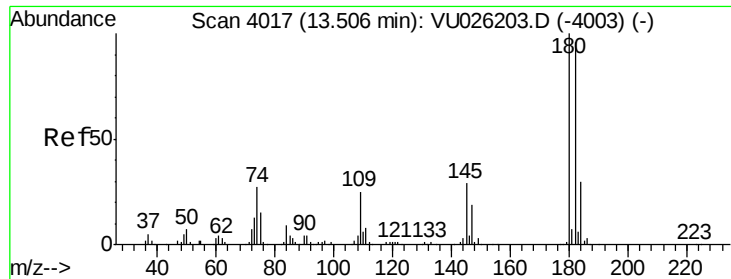
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.07 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.8	65.8	98.6
157	112.0	83.5	125.3





#87
 1,2,4-Trichlorobenzene
 Concen: 2.12 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

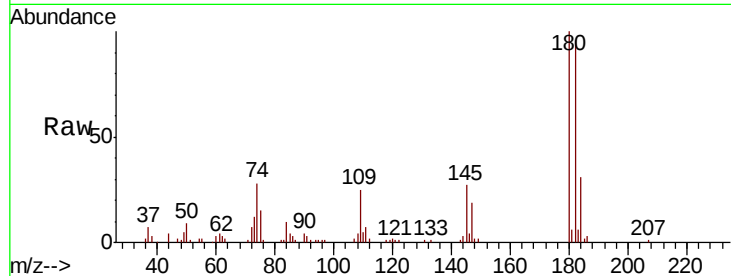
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.1	115.7
145	29.1	23.3	34.9

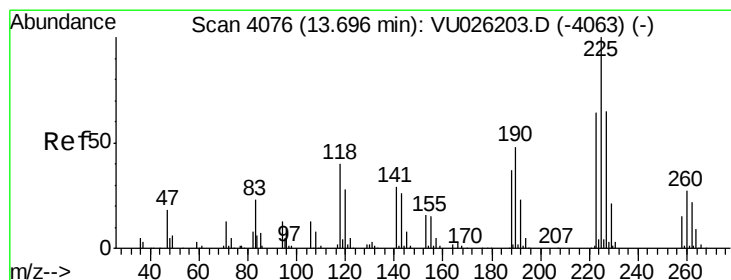
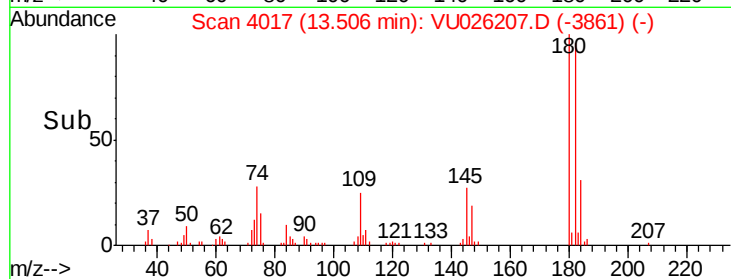
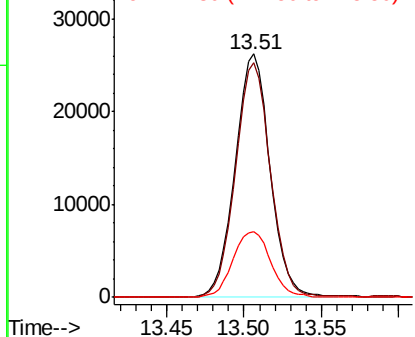
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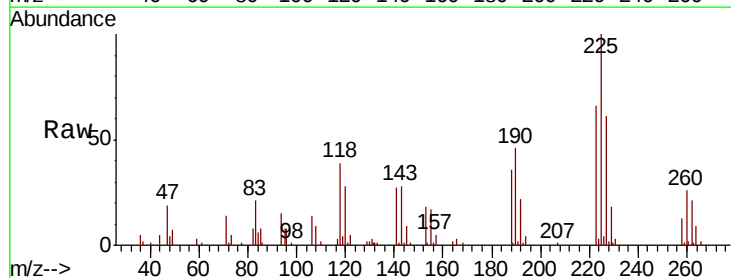


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

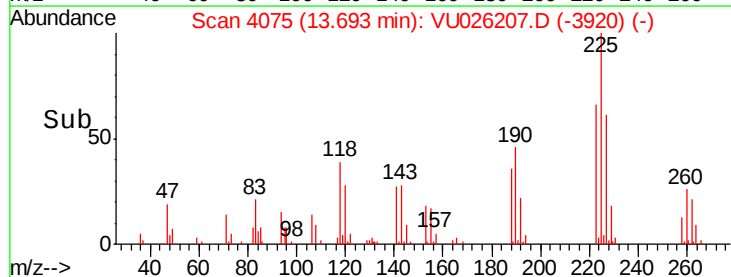
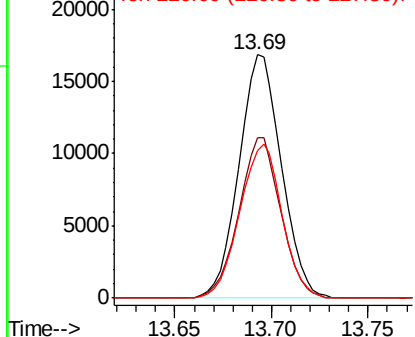


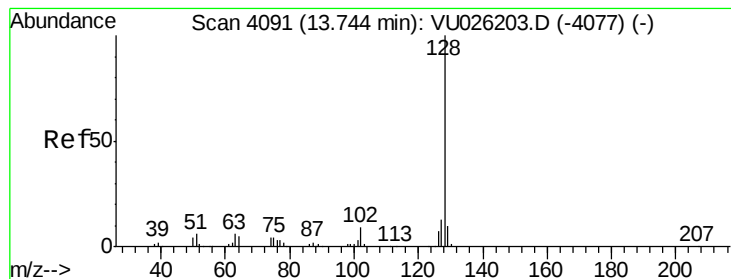
#88
 Hexachlorobutadiene
 Concen: 2.17 ug/l
 RT: 13.69 min Scan# 4075
 Delta R.T. -0.00 min
 Lab File: VU026207.D
 Acq: 20 Aug 2018 14:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	50.6	75.8
227	63.0	51.8	77.6



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 1.96 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

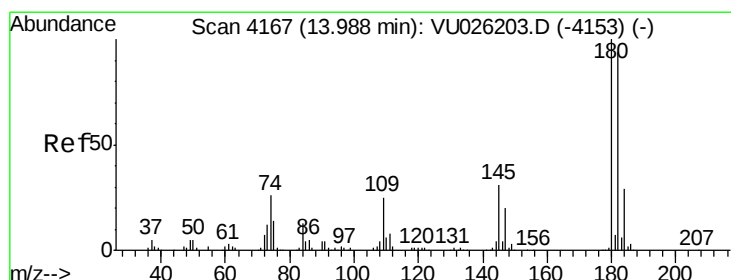
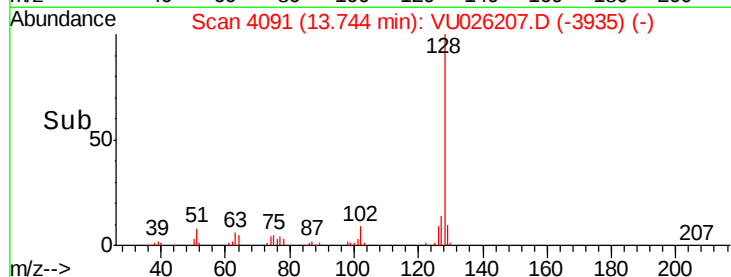
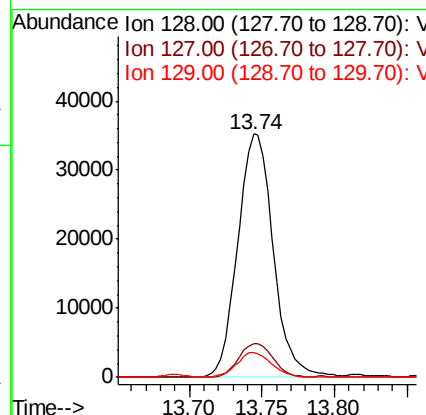
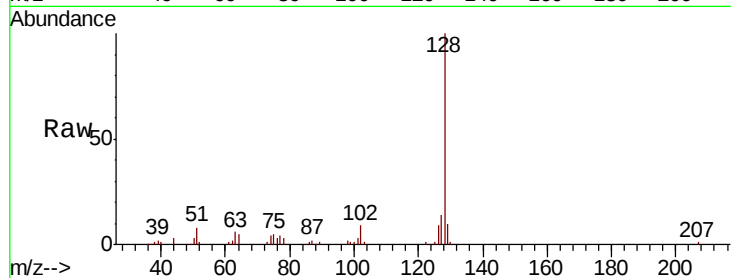
VU0820WBS01

Tot Ion:	128	Resp:	59877
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.5	15.7
129	9.9	8.7	13.1

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#90

1,2,3-Trichlorobenzene

Concen: 2.11 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026207.D

Acq: 20 Aug 2018 14:40

Tgt Ion:	180	Resp:	38457
Ion Ratio	Lower	Upper	
180	100		
182	95.5	76.8	115.2
145	31.6	24.6	36.8

