

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\
 Data File : VU026199.D
 Acq On : 20 Aug 2018 11:12
 Operator : MD/SY
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 11:34:23 AM

Quant Time: Aug 20 13:21:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:08:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.75	96	32211	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	11370	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	13226	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	6207	0.54	ug/l	94
3) Chloromethane	1.33	50	5730	0.53	ug/l	98
4) Vinyl Chloride	1.40	62	5485	0.55	ug/l	97
5) Bromomethane	1.63	94	2776	0.57	ug/l	90
6) Chloroethane	1.70	64	3754	0.62	ug/l	94
7) Trichlorofluoromethane	1.89	101	8208	0.56	ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	4379	0.54	ug/l	96
9) 1,1-Dichloroethene	2.29	96	3882	0.55	ug/l	90
10) Iodomethane	2.41	142	3871	1.35	ug/l	94
11) Allyl Chloride	2.60	41	6261m	0.53	ug/l	
12) Acrylonitrile	2.94	53	1816	1.16	ug/l #	90
13) Acetone	2.32	43	5888m	4.32	ug/l	
14) Carbon Disulfide	2.48	76	13705	0.56	ug/l	96
15) Methylene Chloride	2.70	84	8037	0.95	ug/l	94
16) trans-1,2-Dichloroethene	2.99	96	4837	0.61	ug/l	80
17) 1,1-Dichloroethane	3.45	63	8085	0.51	ug/l	95
18) 2-Butanone	4.28	43	6214	2.63	ug/l	98
19) Cyclohexane	5.00	56	4971	0.41	ug/l #	82
20) Methylcyclohexane	6.42	83	5516	0.37	ug/l	95
21) 2,2-Dichloropropane	4.24	77	8204	0.54	ug/l	94
22) cis-1,2-Dichloroethene	4.23	96	5424	0.54	ug/l	85
23) Diethyl Ether	2.10	59	2988	0.56	ug/l	98
24) tert-Butyl Alcohol	2.83	59	3157	5.00	ug/l #	81
25) Methyl tert-Butyl Ether	3.00	73	9985	0.52	ug/l #	88
26) Bromochloromethane	4.55	128	2347	0.53	ug/l #	52
27) Chloroform	4.68	83	9254	0.53	ug/l	89
28) 1,1,1-Trichloroethane	4.92	97	7930	0.51	ug/l	96
29) 1,1-Dichloropropene	5.14	75	5836	0.45	ug/l #	85
30) Carbon Tetrachloride	5.14	117	7548	0.53	ug/l	98
31) Isopropyl Ether	3.58	45	13193	0.52	ug/l	86
32) Ethyl-t-butyl ether	4.07	59	11376	0.47	ug/l	93
33) Tert-Amyl methyl ether	5.58	73	8701	0.41	ug/l	99
34) Propionitrile	4.34	54	1680	2.56	ug/l #	71
35) Benzene	5.39	78	18097	0.50	ug/l	100
36) 1,2-Dichloroethane	5.41	62	5837	0.53	ug/l #	92
37) Trichloroethene	6.19	130	5458	0.52	ug/l	84
38) 1,2-Dichloropropane	6.44	63	4328	0.46	ug/l	92
39) Methacrylonitrile	4.56	41	1301	0.43	ug/l #	84
40) Methyl acrylate	4.43	55	1891	0.41	ug/l #	73
41) Tetrahydrofuran	4.65	42	1883	1.05	ug/l #	85
42) 1-Chlorobutane	5.07	56	7962	0.46	ug/l	90

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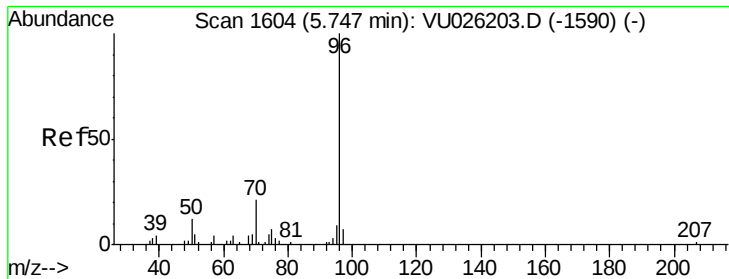
Manual Integrations
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Quant Time: Aug 20 13:21:45 2018
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:08:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	2457	0.51	ug/l	98
44) Bromodichloromethane	6.76	83	6376	0.52	ug/l	91
45) 4-Methyl-2-Pentanone	7.47	43	11252	2.08	ug/l	96
46) t-1,4-Dichloro-2-butene	10.52	75	2118m	2.35	ug/l	
47) Methyl methacrylate	6.63	69	3258	0.80	ug/l	90
48) Ethyl methacrylate	8.03	69	2798	0.34	ug/l	97
49) Toluene	7.64	92	8928	0.41	ug/l	94
50) t-1,3-Dichloropropene	7.89	75	5100	0.46	ug/l	90
51) cis-1,3-Dichloropropene	7.27	75	5826	0.44	ug/l	91
52) 1,1,2-Trichloroethane	8.07	97	3365	0.52	ug/l	87
53) 1,3-Dichloropropane	8.25	76	5641	0.51	ug/l	97
54) 2-Hexanone	8.37	43	8044	2.10	ug/l	92
55) Dibromochloromethane	8.48	129	4099	0.49	ug/l	96
56) 1,2-Dibromoethane	8.59	107	3292	0.52	ug/l	91
58) Tetrachloroethene	8.23	164	4775	0.50	ug/l	97
59) Chlorobenzene	9.12	112	10818	0.43	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.21	131	4619	0.49	ug/l	97
61) Pentachloroethane	11.10	117	3853	0.54	ug/l	97
62) Hexachloroethane	12.15	117	3758	0.51	ug/l	98
63) Ethyl Benzene	9.25	91	15768	0.38	ug/l	97
64) m/p-Xylenes	9.38	106	11681	0.71	ug/l	95
65) o-Xylene	9.78	106	5788	0.37	ug/l	97
66) Styrene	9.80	104	9322	0.35	ug/l	97
67) Bromoform	9.96	173	2319	0.47	ug/l #	95
69) Isopropylbenzene	10.17	105	15696	0.37	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	3986	0.49	ug/l	95
71) 1,2,3-Trichloropropane	10.50	75	2888m	0.45	ug/l	
72) Bromobenzene	10.45	156	4851	0.44	ug/l	94
73) n-propylbenzene	10.59	120	4256	0.36	ug/l	99
74) 2-Chlorotoluene	10.66	126	4026	0.38	ug/l	95
75) 1,3,5-Trimethylbenzene	10.78	105	12586	0.34	ug/l	97
76) 4-Chlorotoluene	10.77	126	3955	0.36	ug/l	94
77) tert-Butylbenzene	11.10	119	13918	0.38	ug/l	90
78) 1,2,4-Trimethylbenzene	11.15	105	13199	0.35	ug/l	97
79) sec-Butylbenzene	11.33	105	17026	0.35	ug/l	98
80) Nitrobenzene	12.87	77	983m	3.94	ug/l	
81) p-Isopropyltoluene	11.48	119	13340	0.33	ug/l	96
82) 1,3-Dichlorobenzene	11.42	146	10163	0.45	ug/l	96
83) 1,4-Dichlorobenzene	11.51	146	9946	0.45	ug/l	97
84) n-Butylbenzene	11.89	91	13901	0.36	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	9641	0.47	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	779	0.58	ug/l #	77
87) 1,2,4-Trichlorobenzene	13.51	180	6525	0.45	ug/l	98
88) Hexachlorobutadiene	13.69	225	3985	0.45	ug/l	98
89) Naphthalene	13.75	128	9751	0.42	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	6152	0.47	ug/l	98

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



#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.75 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

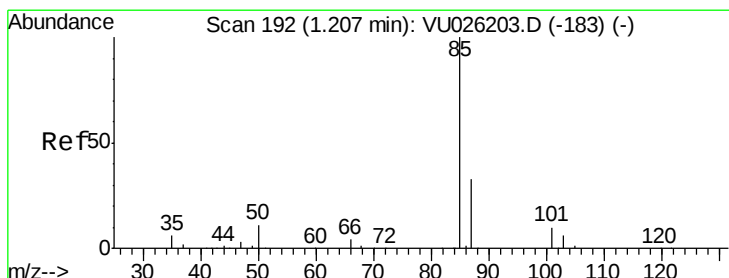
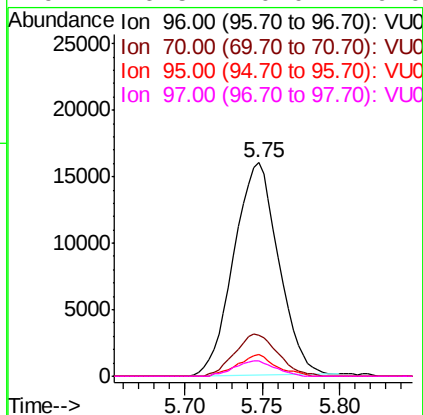
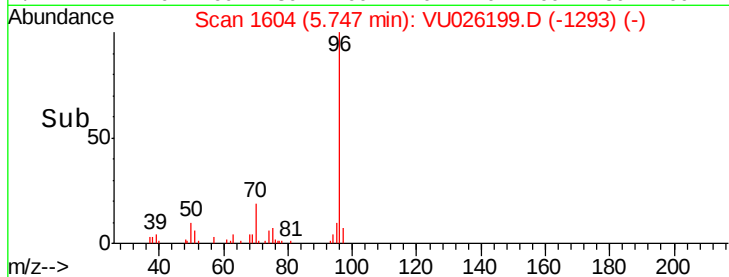
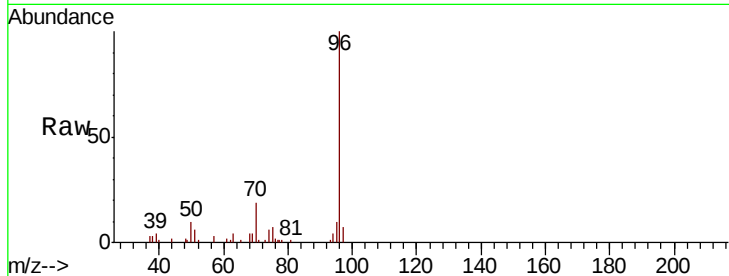
ClientSampleId :

VSTDICC0.5

Tot Ion:	96	Resp:	32211
Ion	Ratio	Lower	Upper
96	100		
70	19.0	16.2	24.4
95	8.8	6.9	10.3
97	6.5	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.54 ug/l

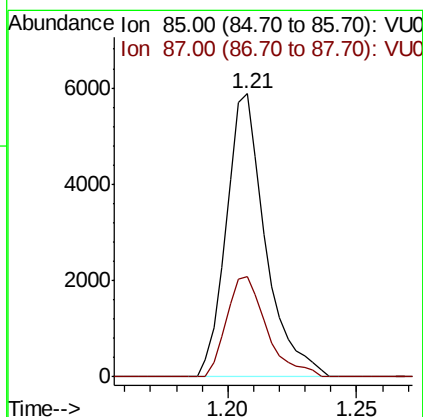
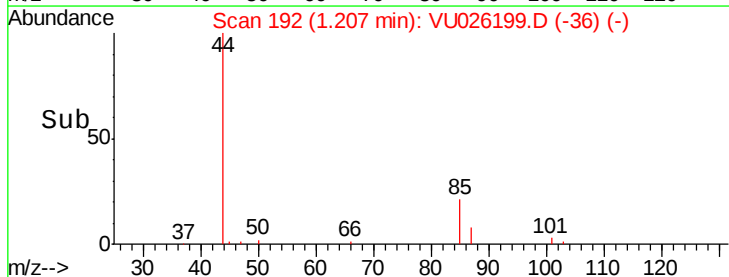
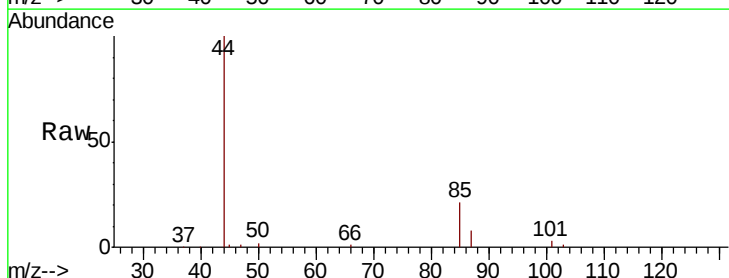
RT: 1.21 min Scan# 192

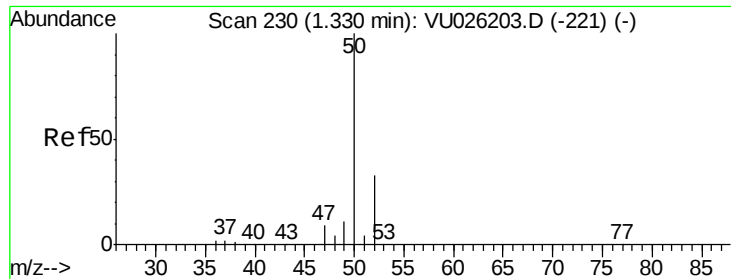
Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Tgt Ion:	85	Resp:	6207
Ion	Ratio	Lower	Upper
85	100		
87	35.5	16.2	48.5





#3

Chloromethane

Concen: 0.53 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 50 Resp: 5730

Ion Ratio Lower Upper

50 100

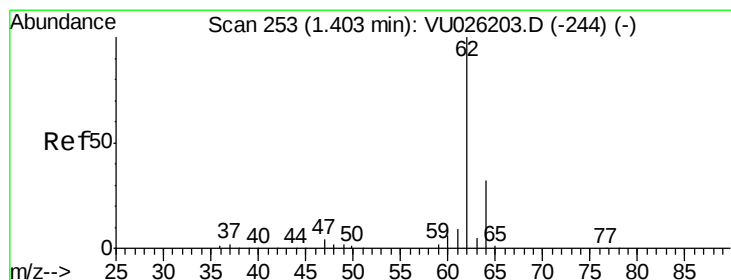
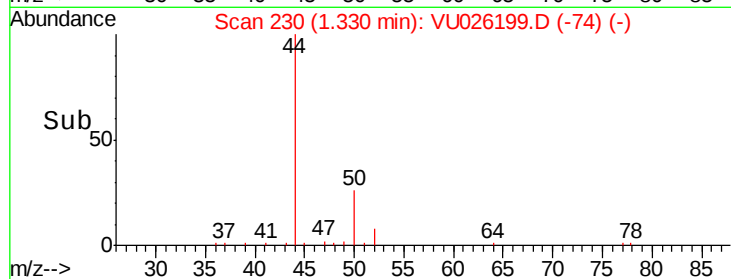
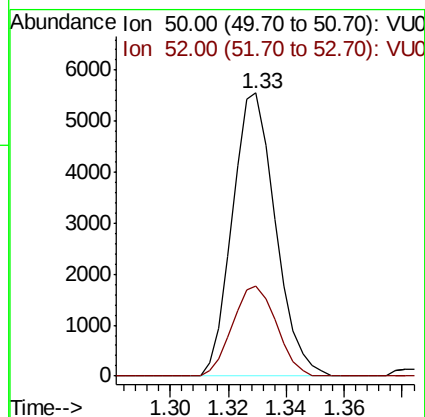
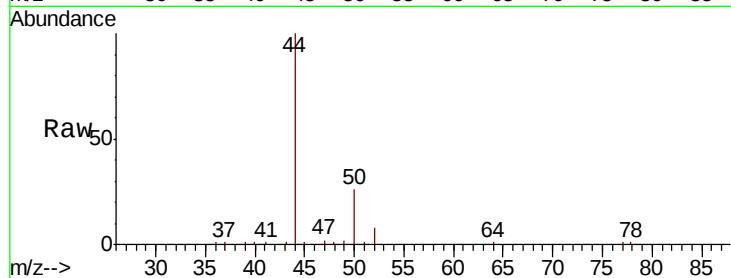
52 31.6 26.0 39.0

Manual Integrations

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8/21/2018 11:34:23 AM



#4

Vinyl Chloride

Concen: 0.55 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026199.D

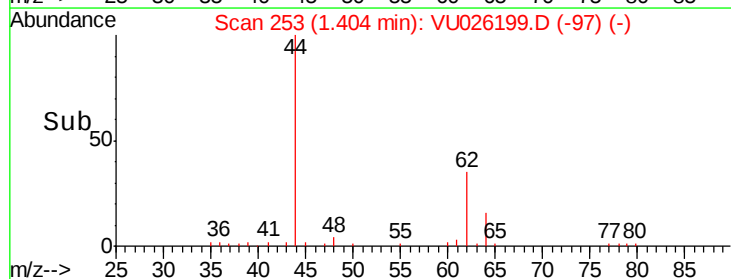
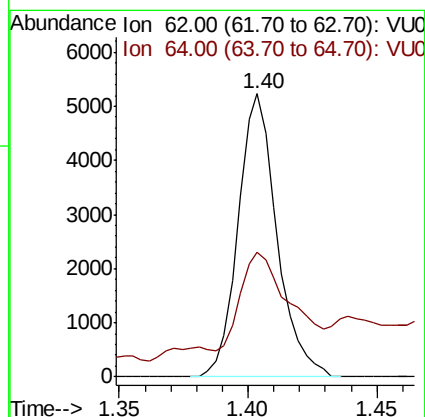
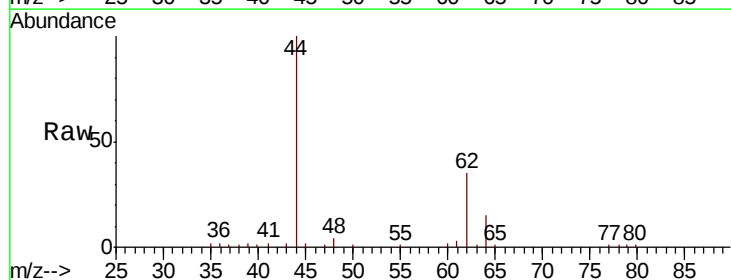
Acq: 20 Aug 2018 11:12

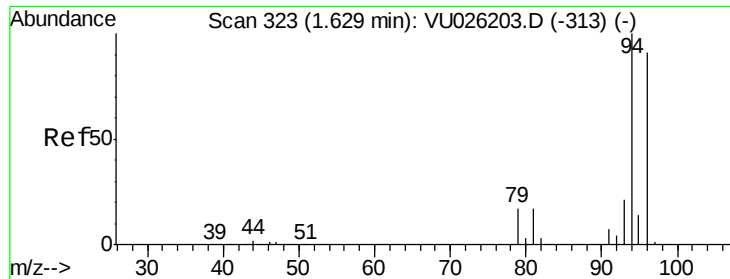
Tgt Ion: 62 Resp: 5485

Ion Ratio Lower Upper

62 100

64 33.7 25.8 38.8





#5

Bromomethane

Concen: 0.57 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 94 Resp: 2776

Ion Ratio Lower Upper

94 100

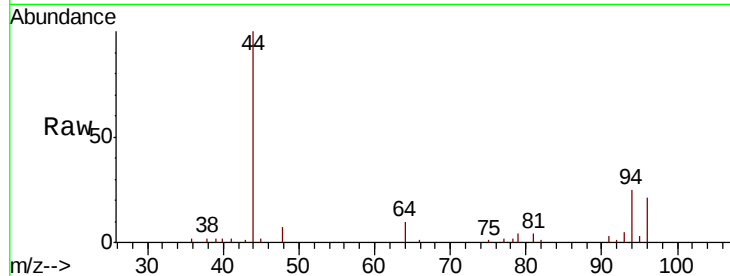
96 84.0 75.1 112.7

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

2500

2000

1500

1000

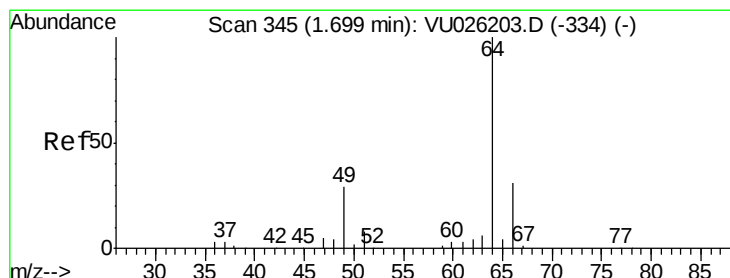
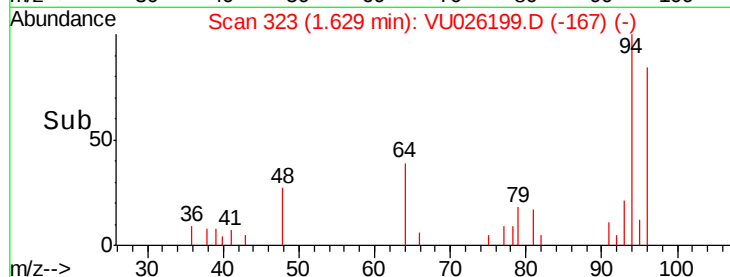
500

0

Time-->

1.60 1.65

1.63



#6

Chloroethane

Concen: 0.62 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026199.D

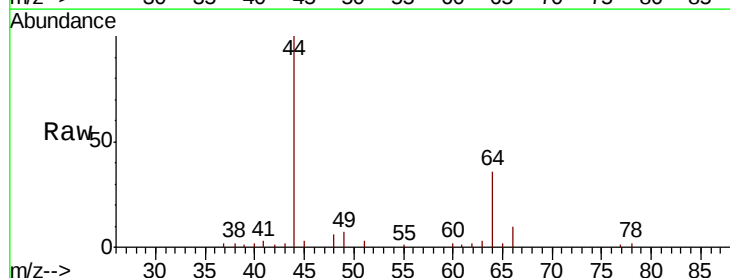
Acq: 20 Aug 2018 11:12

Tgt Ion: 64 Resp: 3754

Ion Ratio Lower Upper

64 100

66 34.5 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

3000

2000

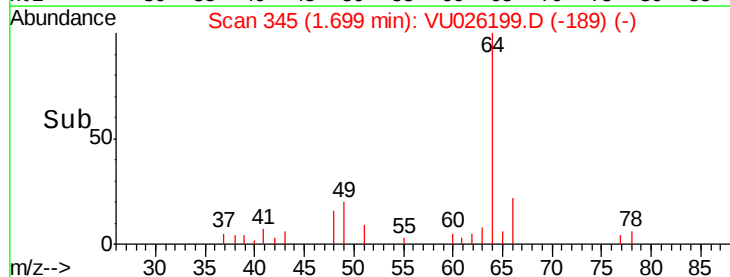
1000

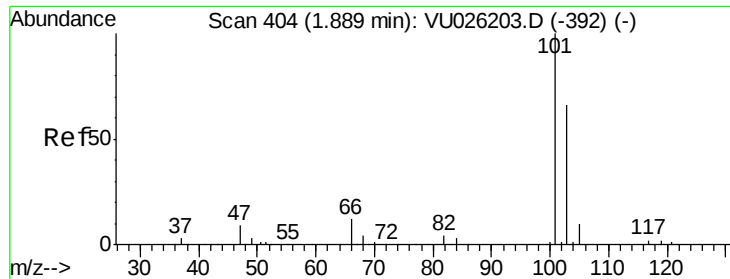
0

Time-->

1.65 1.70 1.75

1.70





#7

Trichlorofluoromethane

Concen: 0.56 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:101 Resp: 8208

Ion Ratio Lower Upper

101 100

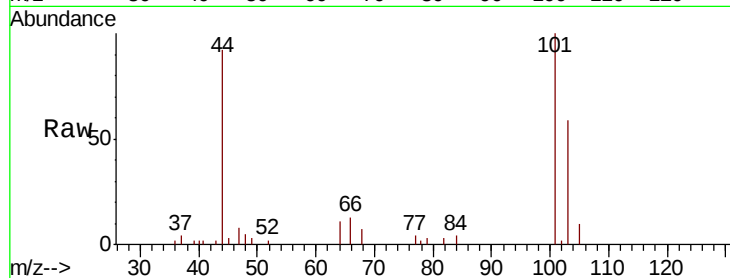
103 58.8 51.4 77.0

Manual Integrations

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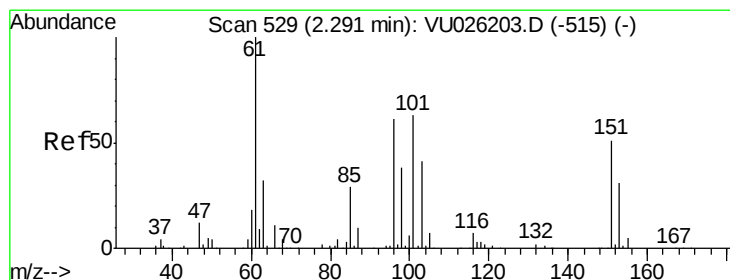
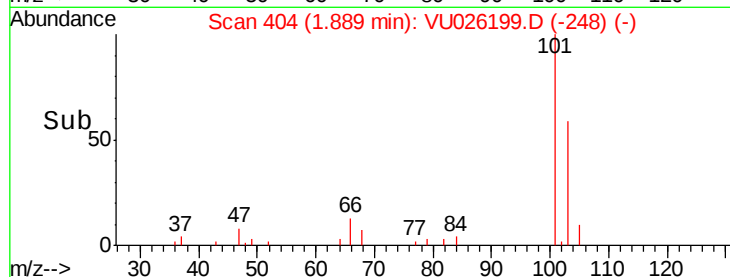
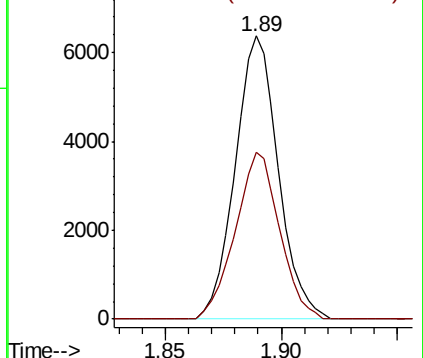
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

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

Concen: 0.54 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

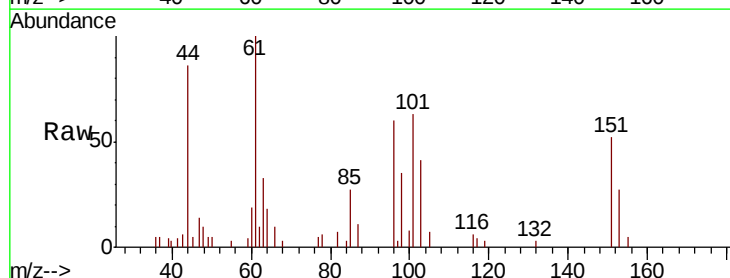
Tgt Ion:101 Resp: 4379

Ion Ratio Lower Upper

101 100

85 38.5 35.2 52.8

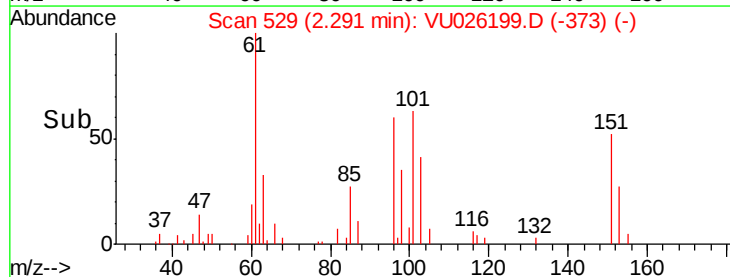
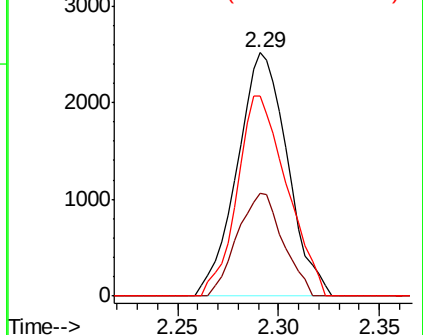
151 81.3 63.5 95.3

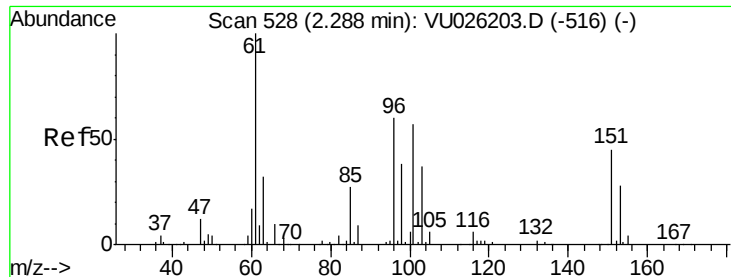


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





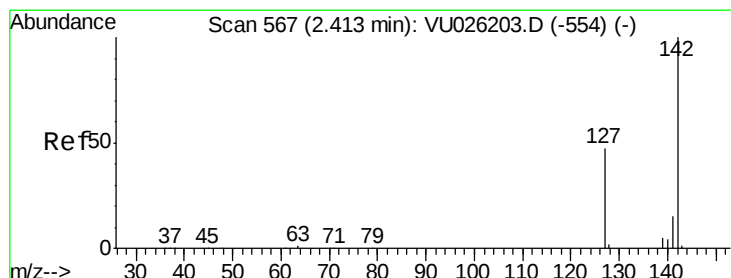
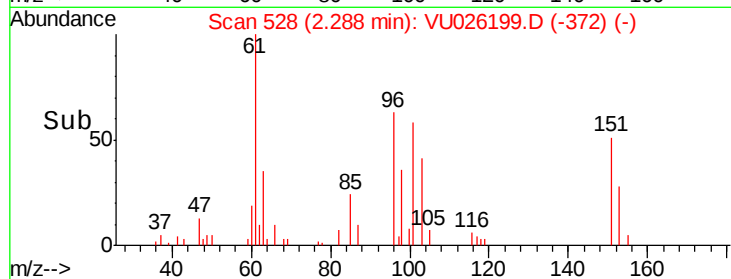
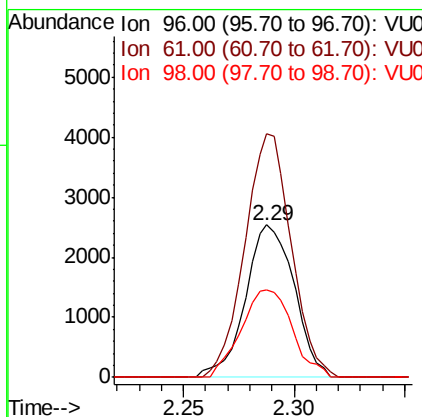
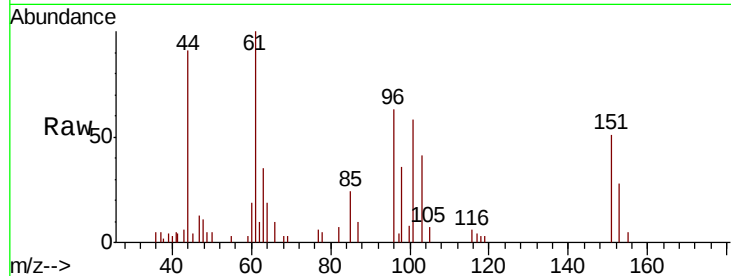
#9
 1,1-Dichloroethene
 Concen: 0.55 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.9	0.0	526.5
98	57.5	0.0	123.4

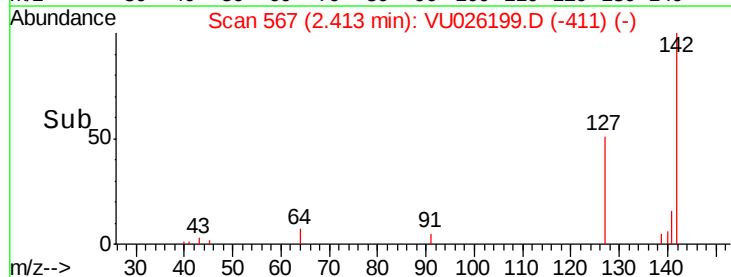
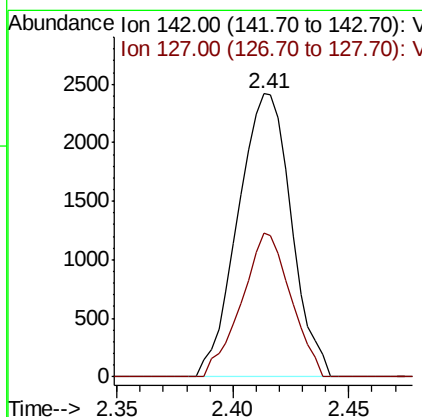
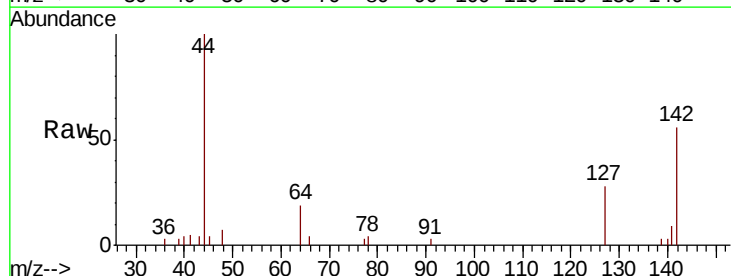
Manual Integrations
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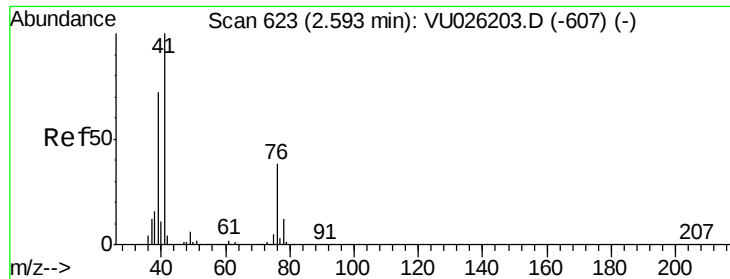
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 8/21/2018 11:34:23 AM



#10
 Iodomethane
 Concen: 1.35 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.9	34.5	51.7





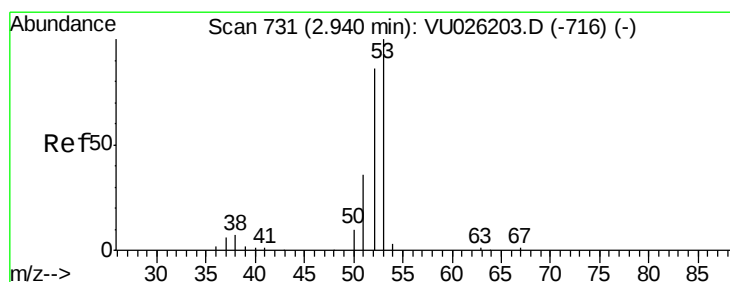
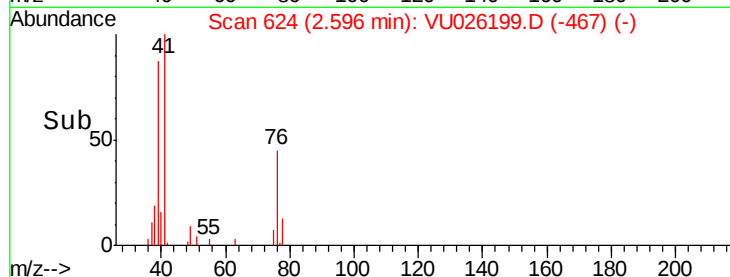
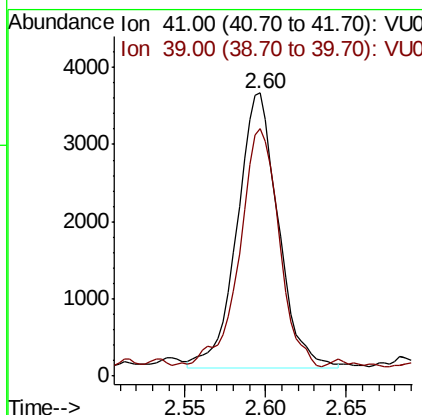
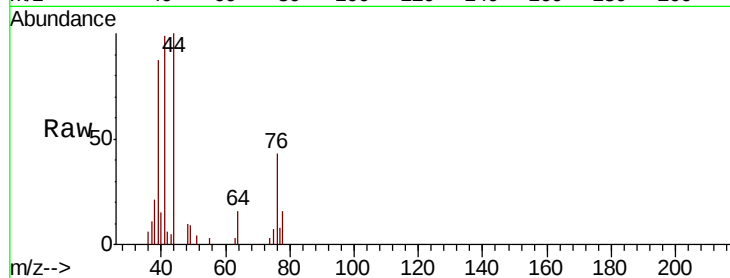
#11
Allvl Chloride
Concen: 0.53 ug/l m
RT: 2.60 min Scan# 624
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
39	4.1	51.4	77.2#

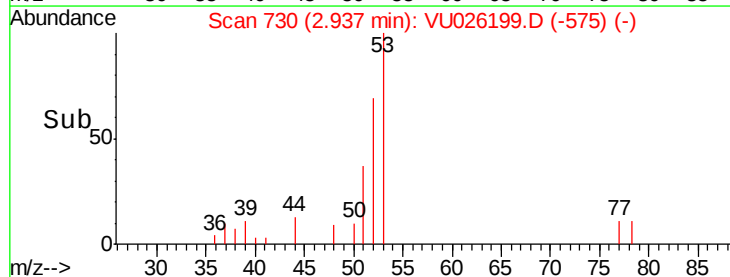
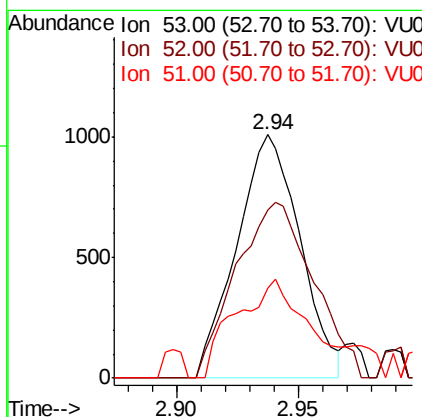
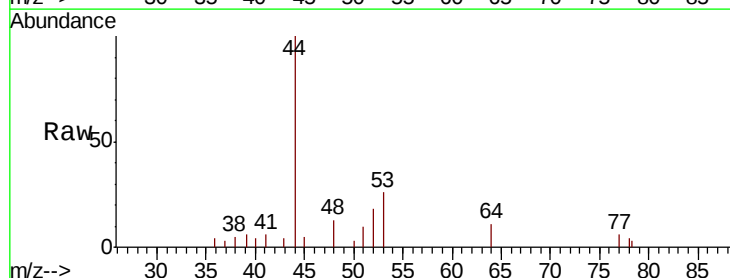
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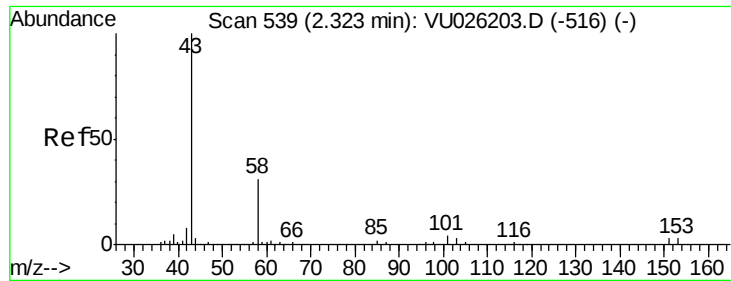
MMDadoda
8/21/2018 11:34:23 AM



#12
Acrylonitrile
Concen: 1.16 ug/l
RT: 2.94 min Scan# 730
Delta R.T. -0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Tgt Ion	Ratio	Lower	Upper
53	100		
52	88.4	65.1	97.7
51	47.1	30.2	45.4#





#13

Acetone

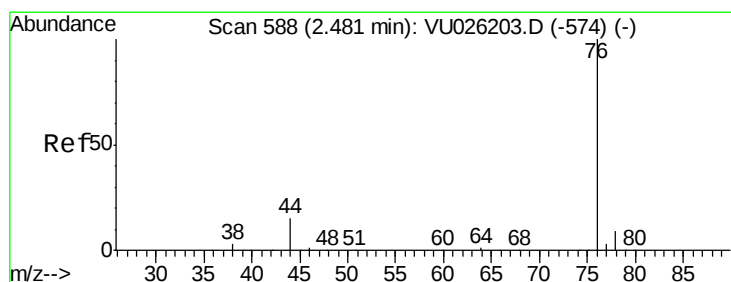
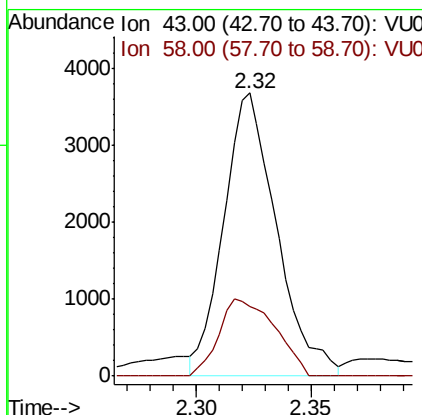
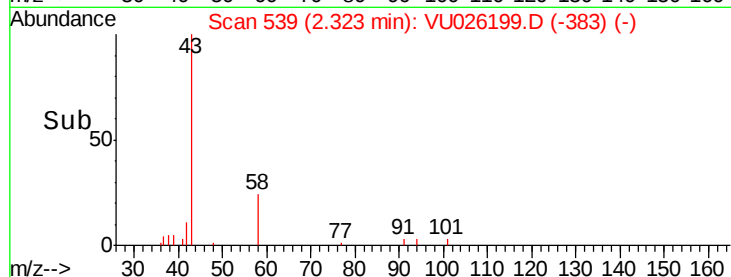
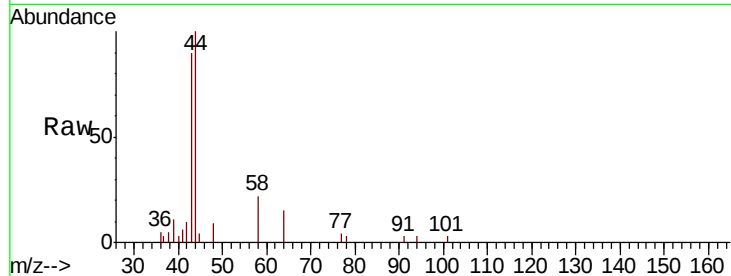
Concen: 4.32 ug/l m
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 43 Resp: 5888
 Ion Ratio Lower Upper
 43 100
 58 24.5 26.0 39.0#

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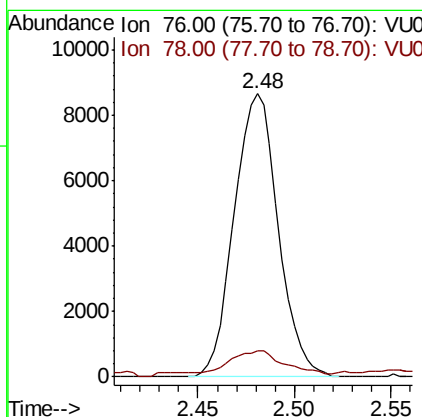
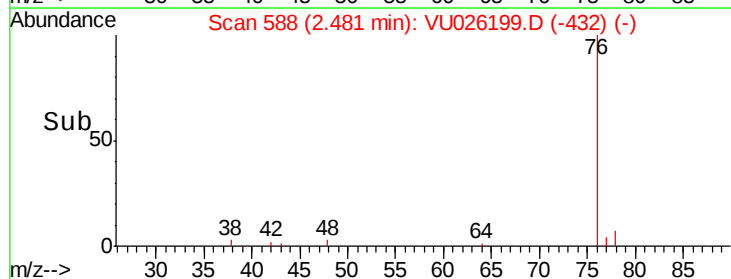
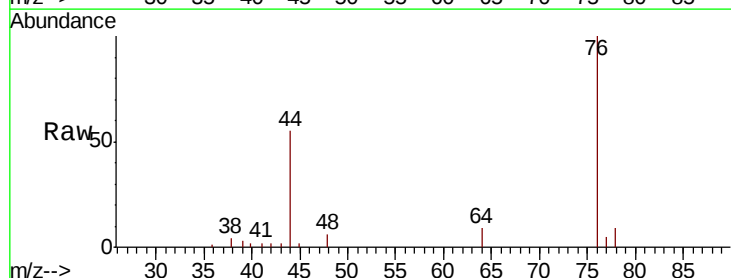


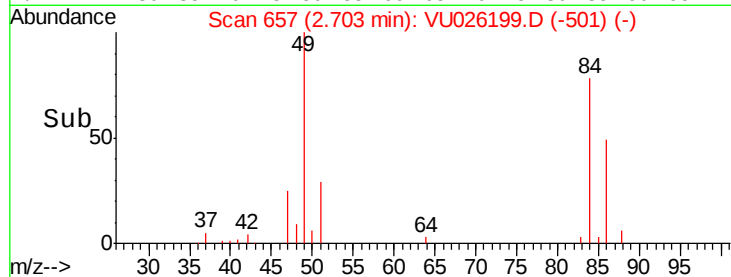
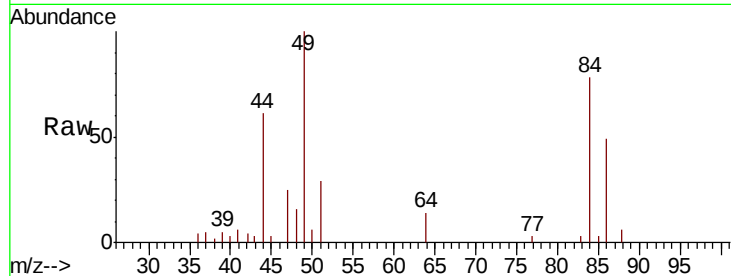
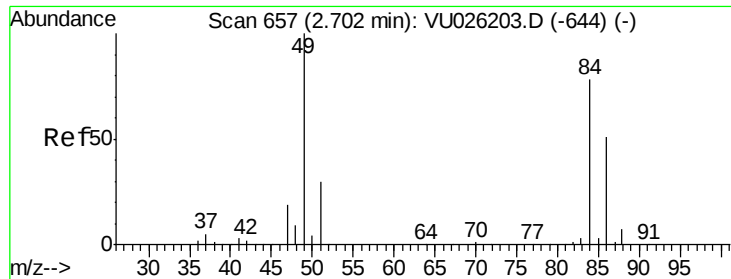
#14

Carbon Disulfide

Concen: 0.56 ug/l
 RT: 2.48 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Tgt Ion: 76 Resp: 13705
 Ion Ratio Lower Upper
 76 100
 78 7.7 7.3 10.9





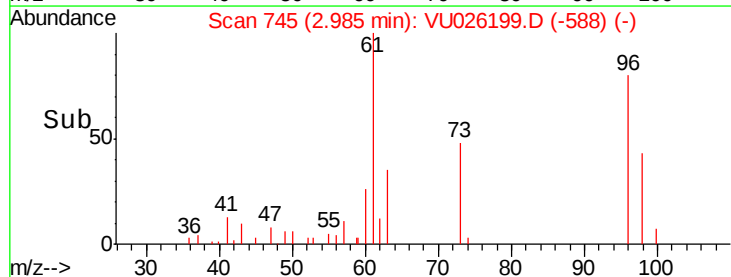
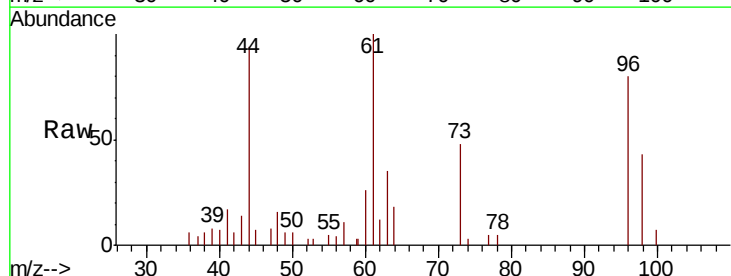
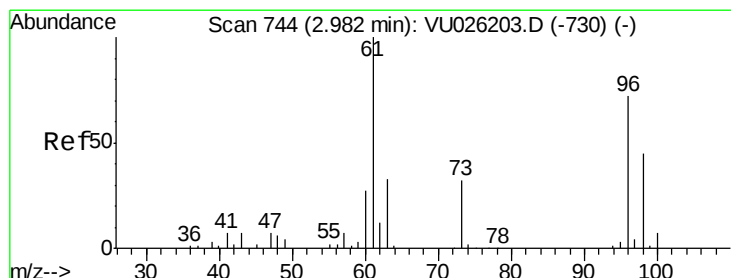
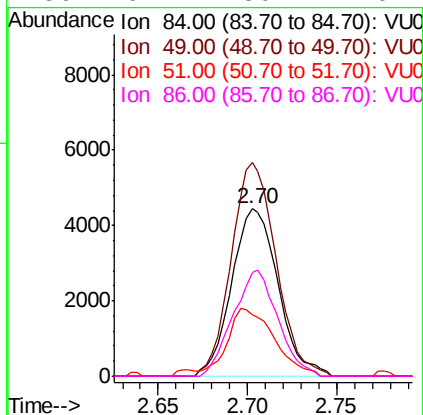
#15
Methvlene Chloride
Concen: 0.95 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Tot Ion: 84 Resp: 8037
Ion Ratio Lower Upper
84 100
49 127.8 108.7 163.1
51 36.7 0.0 82.4
86 62.1 50.7 76.1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

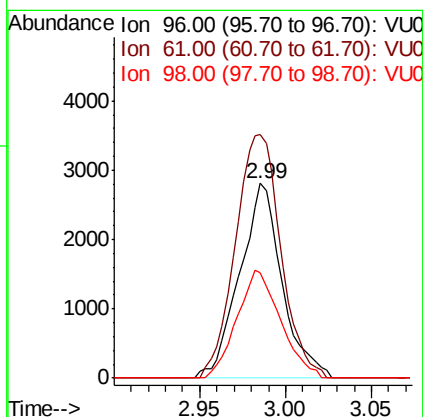
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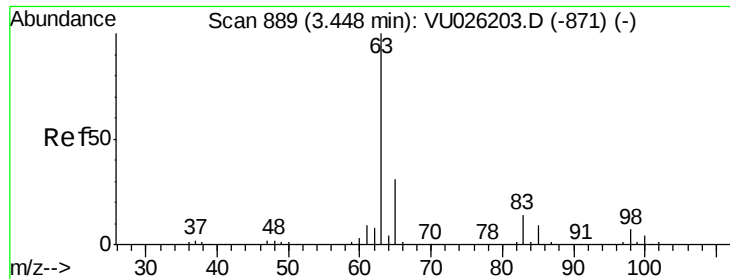
MMDadoda
8/21/2018 11:34:23 AM



#16
trans-1,2-Dichloroethene
Concen: 0.61 ug/l
RT: 2.99 min Scan# 745
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Tgt Ion: 96 Resp: 4837
Ion Ratio Lower Upper
96 100
61 125.2 123.9 185.9
98 54.1 50.6 76.0





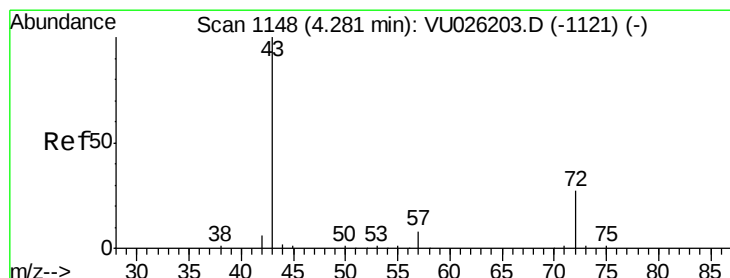
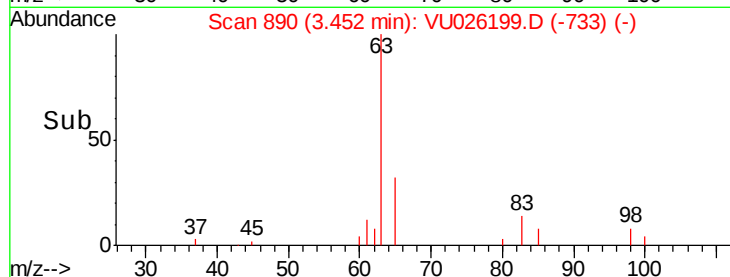
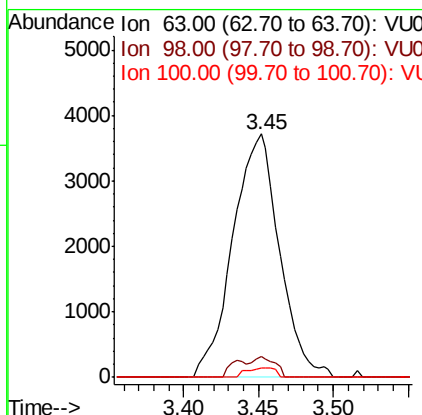
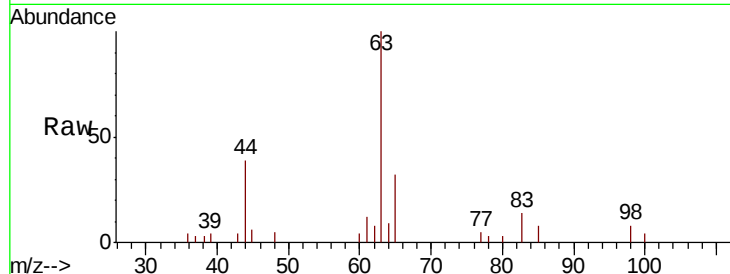
#17
 1,1-Dichloroethane
 Concen: 0.51 ug/l
 RT: 3.45 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	63	Resp:	8085
Ion	Ratio	Lower	Upper
63	100		
98	8.4	2.9	8.8
100	3.8	2.0	5.8

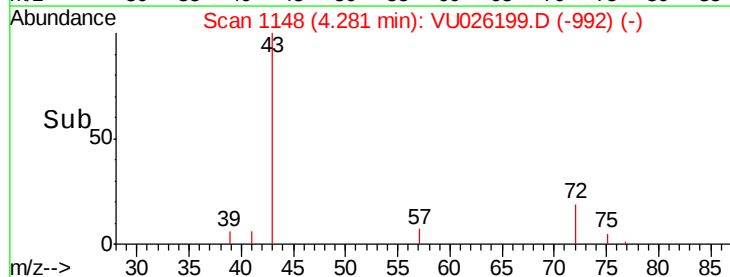
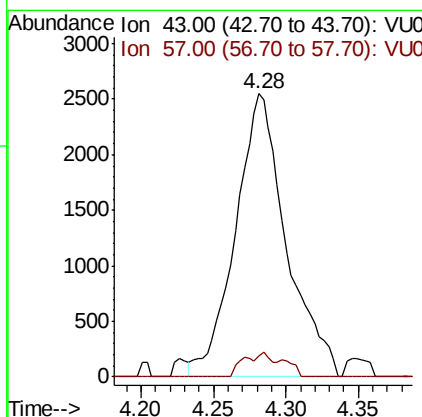
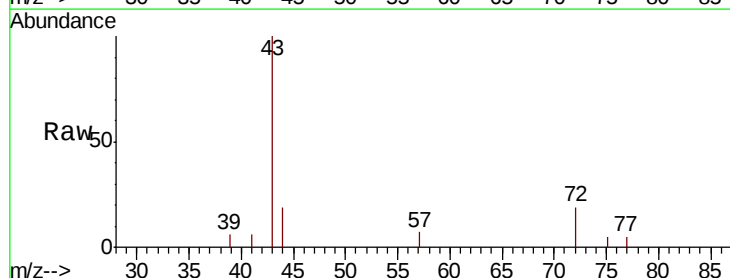
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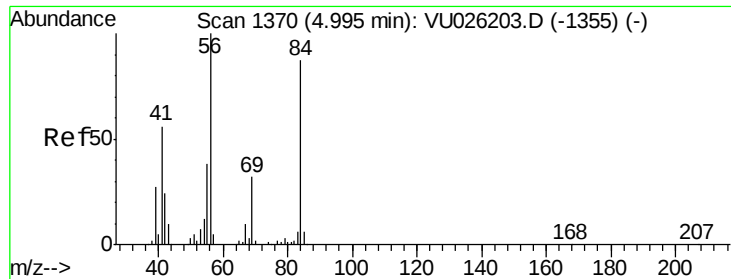
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#18
 2-Butanone
 Concen: 2.63 ug/l
 RT: 4.28 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Tgt Ion:	43	Resp:	6214
Ion	Ratio	Lower	Upper
43	100		
57	7.3	0.0	15.8





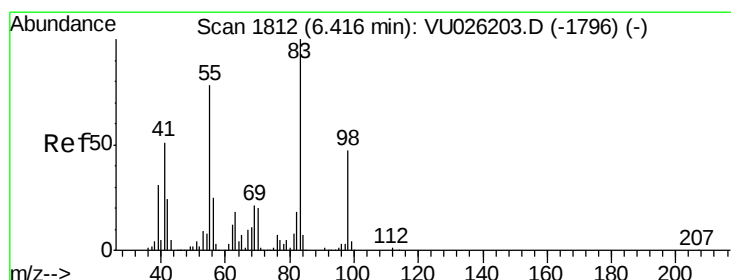
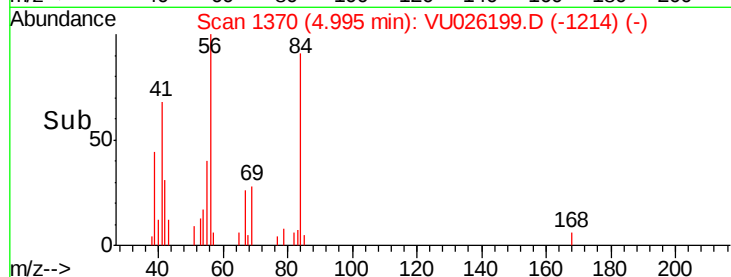
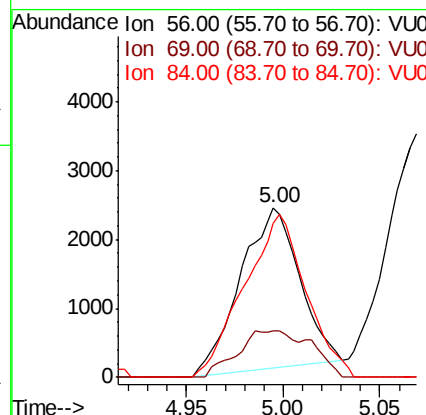
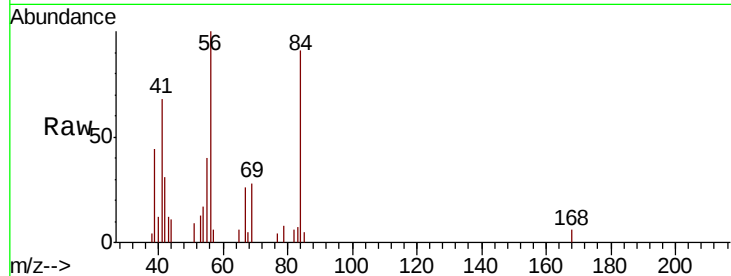
#19
Cyclohexane
Concen: 0.41 ug/l
RT: 5.00 min Scan# 1370
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.2	26.0	39.0
84	105.6	68.3	102.5

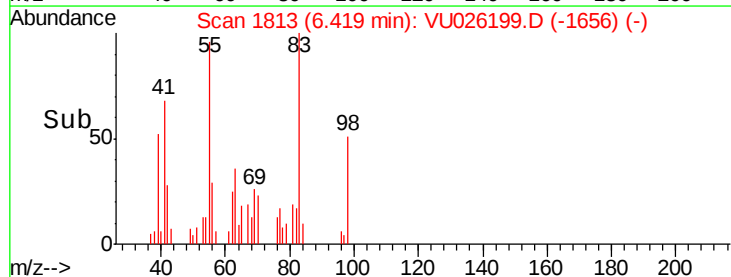
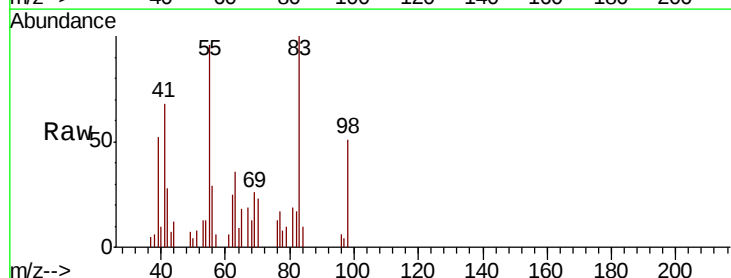
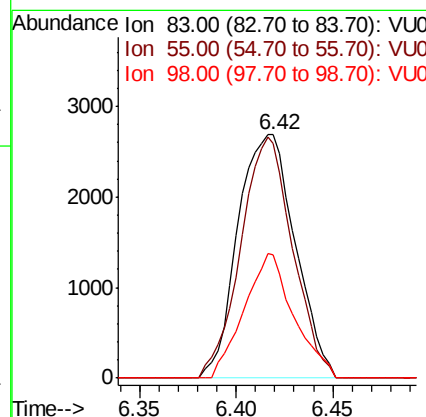
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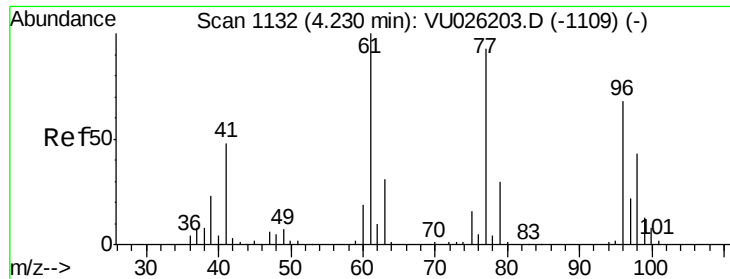
MMDadoda
8/21/2018 11:34:23 AM



#20
Methylcyclohexane
Concen: 0.37 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Tgt Ion	Ratio	Lower	Upper
83	100		
55	89.9	66.4	99.6
98	44.5	35.4	53.2





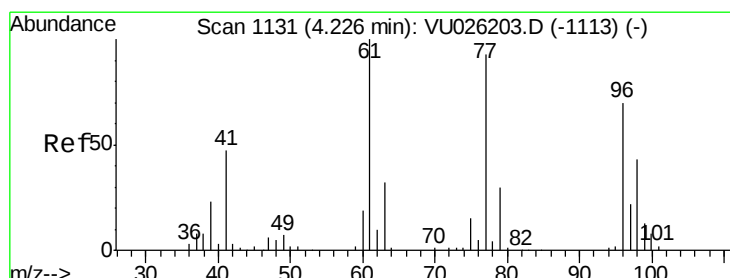
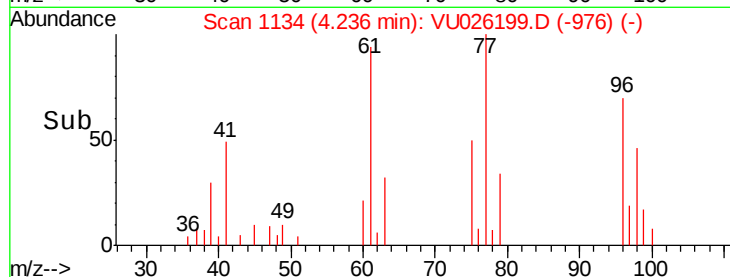
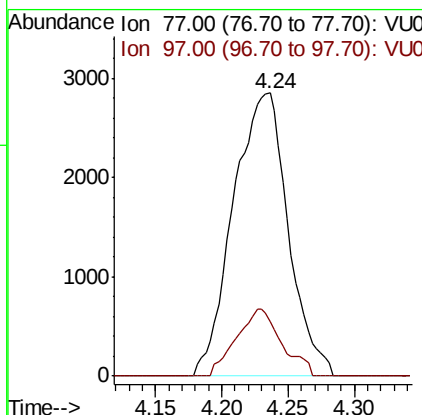
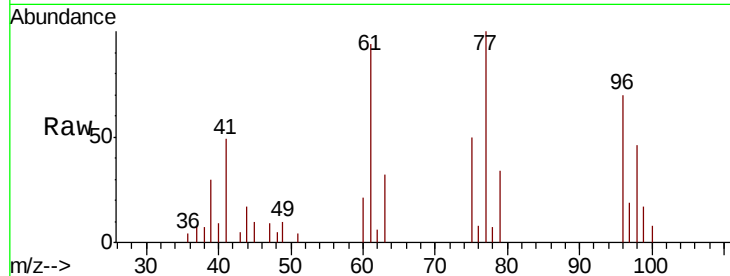
#21
2,2-Dichloropropane
Concen: 0.54 ug/l
RT: 4.24 min Scan# 1134
Delta R.T. 0.01 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 77 Resp: 8204
Ion Ratio Lower Upper
77 100
97 19.5 17.9 26.9

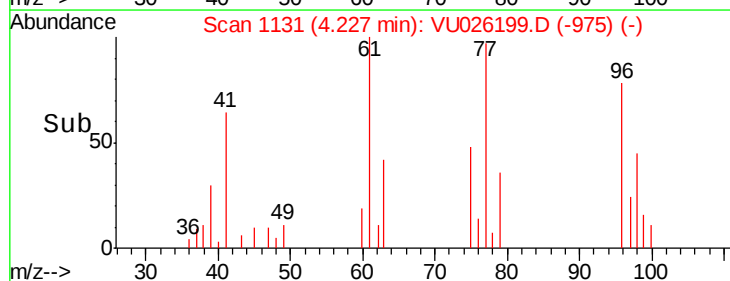
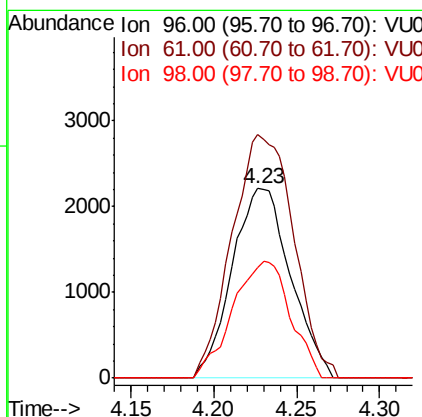
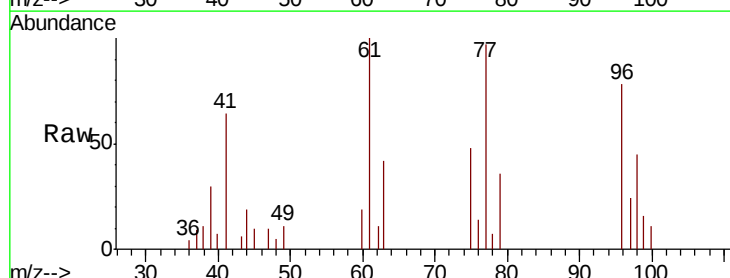
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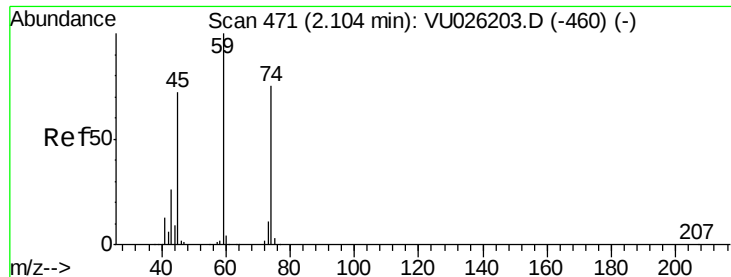
MMDadoda
8/21/2018 11:34:23 AM



#22
cis-1,2-Dichloroethene
Concen: 0.54 ug/l
RT: 4.23 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Tgt Ion: 96 Resp: 5424
Ion Ratio Lower Upper
96 100
61 135.0 0.0 400.5
98 60.9 32.2 96.6





#23

Diethyl Ether

Concen: 0.56 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

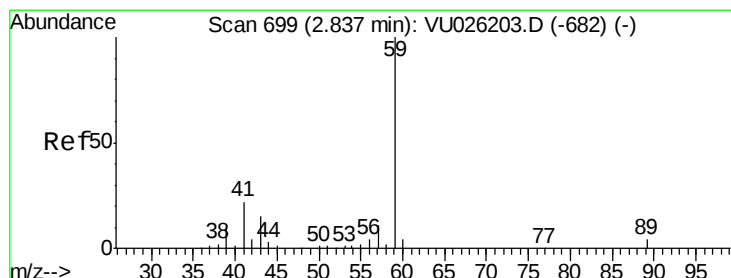
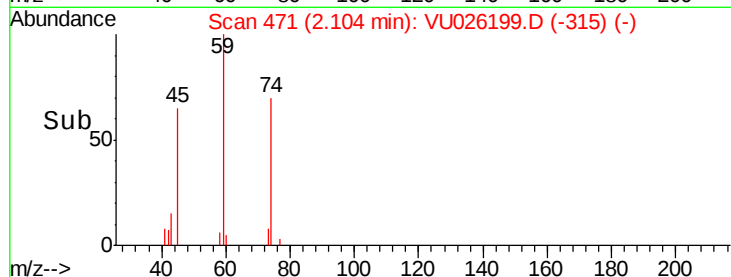
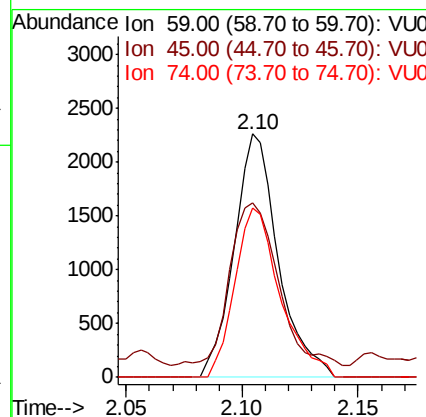
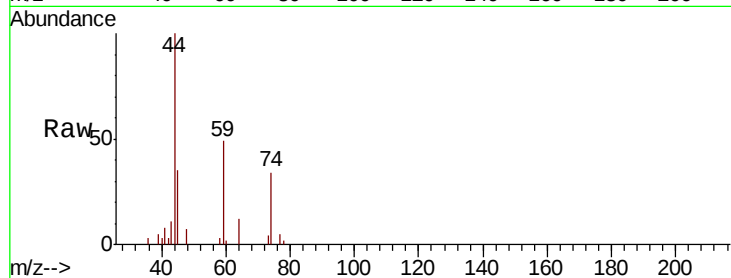
ClientSampleId :

VSTDIC0.5

Tot Ion:	59	Resp:	2988
Ion	Ratio	Lower	Upper
59	100		
45	72.3	60.0	90.0
74	71.6	56.5	84.7

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#24

tert-Butyl Alcohol

Concen: 5.00 ug/l

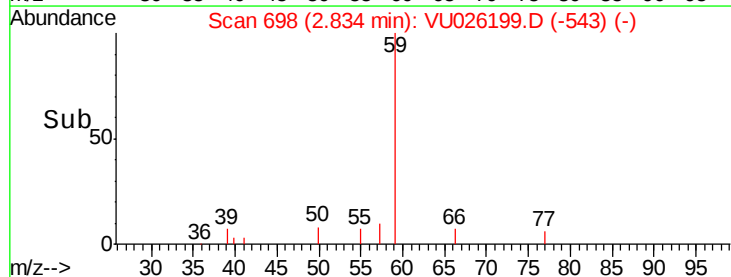
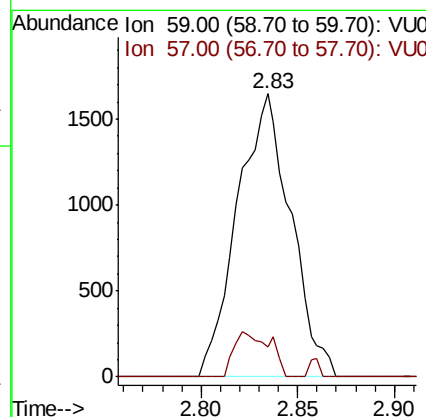
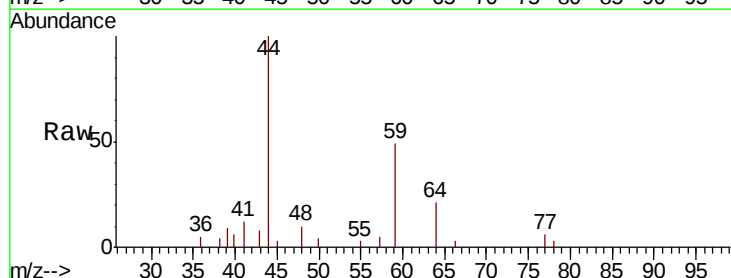
RT: 2.83 min Scan# 698

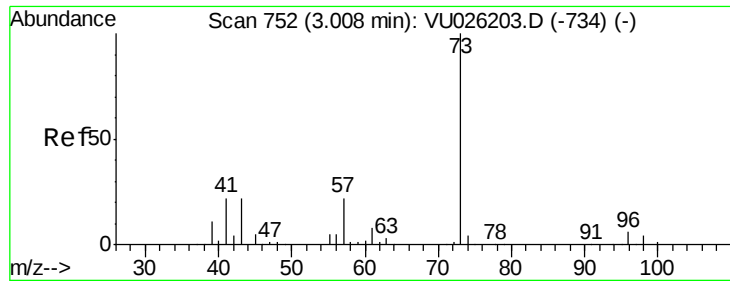
Delta R.T. -0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Tgt Ion:	59	Resp:	3157
Ion	Ratio	Lower	Upper
59	100		
57	10.7	3.4	5.2#





#25

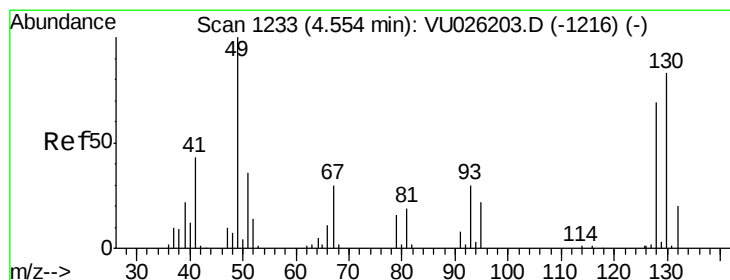
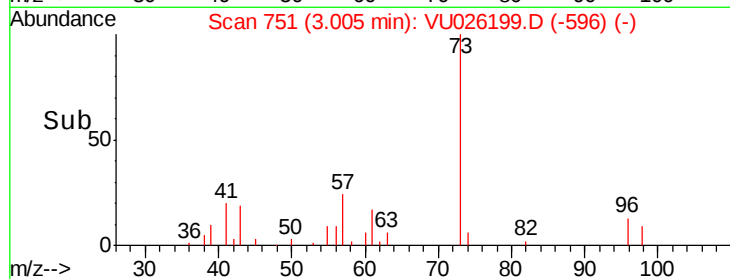
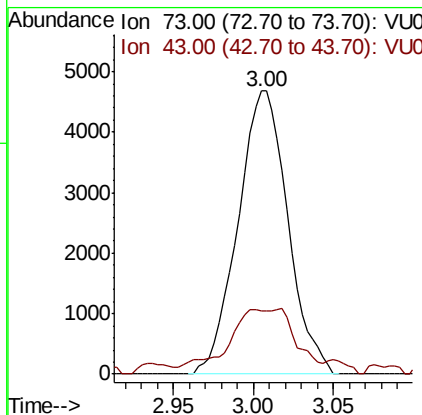
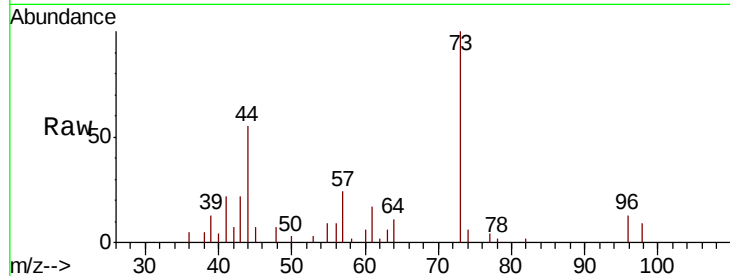
Methyl tert-Butyl Ether
Concen: 0.52 ug/l
RT: 3.00 min Scan# 751
Delta R.T. -0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 73 Resp: 9985
Ion Ratio Lower Upper
73 100
43 14.7 16.2 24.2#

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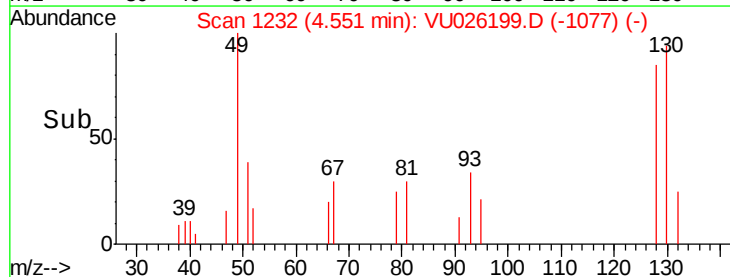
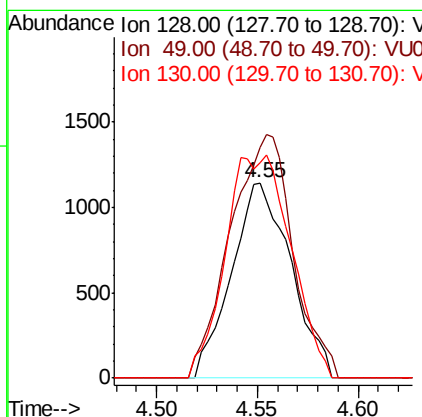
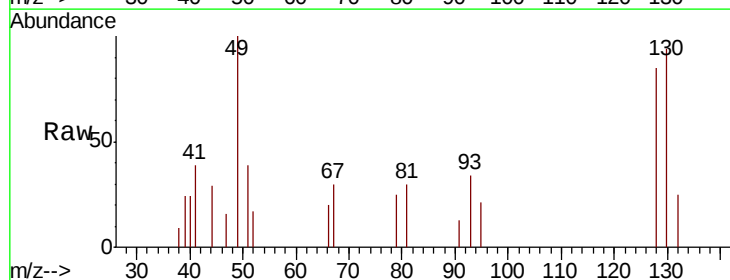
MMDadoda
8/21/2018 11:34:23 AM

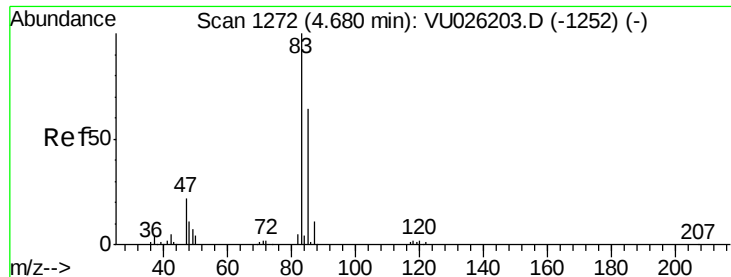


#26

Bromochloromethane
Concen: 0.53 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Tgt Ion: 128 Resp: 2347
Ion Ratio Lower Upper
128 100
49 131.7 0.0 375.2
130 59.9 105.8 158.6#





#27

Chloroform

Concen: 0.53 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 83 Resp: 9254

Ion Ratio Lower Upper

83 100

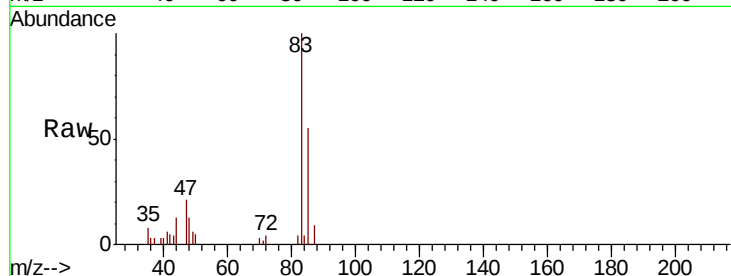
85 55.5 0.0 128.4

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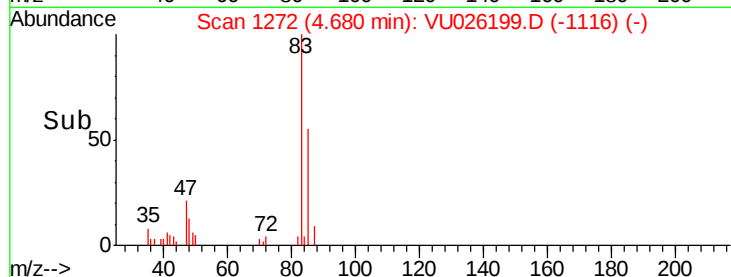


Abundance Ion 83.00 (82.70 to 83.70): VU026203.D (-1252) (-)

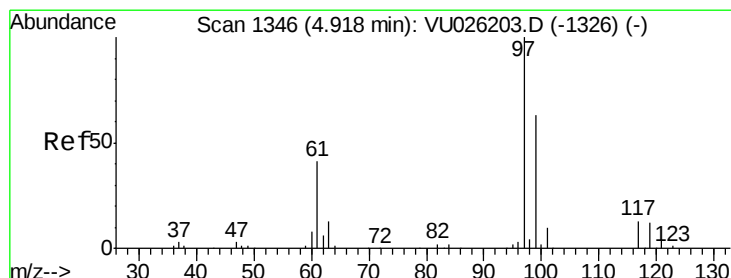
Ion 85.00 (84.70 to 85.70): VU026203.D (-1252) (-)

4.68

4.60 4.65 4.70 4.75



Time-->



#28

1,1,1-Trichloroethane

Concen: 0.51 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

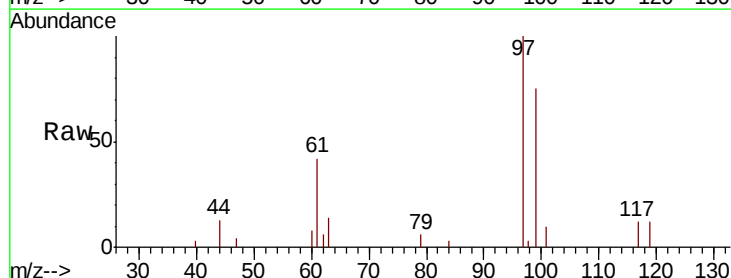
Tgt Ion: 97 Resp: 7930

Ion Ratio Lower Upper

97 100

99 67.5 32.3 96.9

61 42.9 23.2 69.5



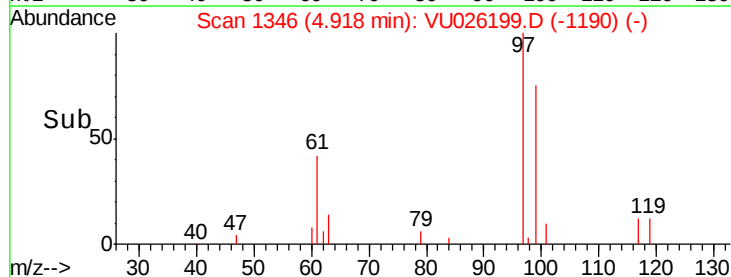
Abundance Ion 97.00 (96.70 to 97.70): VU026203.D (-1326) (-)

Ion 99.00 (98.70 to 99.70): VU026203.D (-1326) (-)

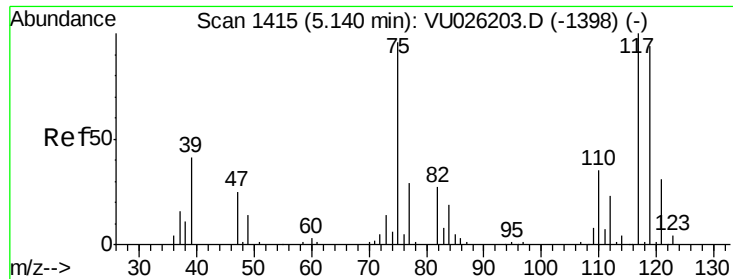
Ion 61.00 (60.70 to 61.70): VU026203.D (-1326) (-)

4.92

4.85 4.90 4.95 5.00



Time-->



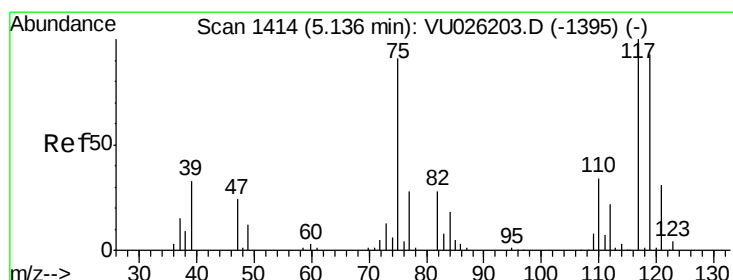
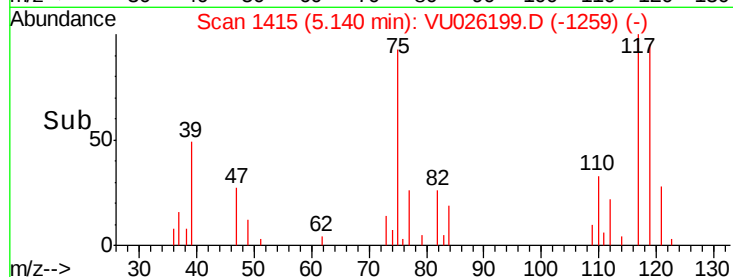
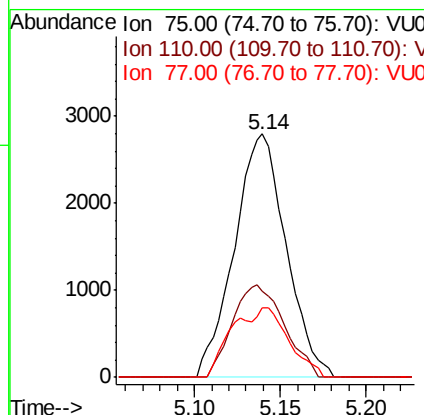
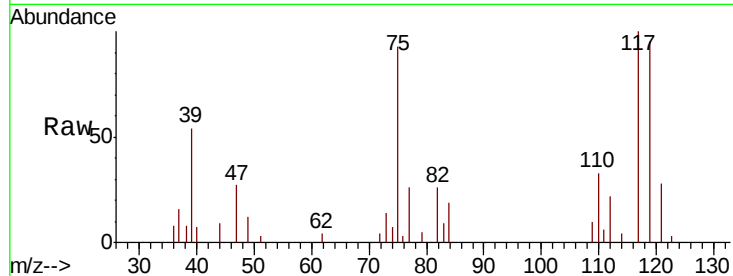
#29
 1,1-Dichloropropene
 Concen: 0.45 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.1	16.9	50.7
77	18.2	24.8	37.2#

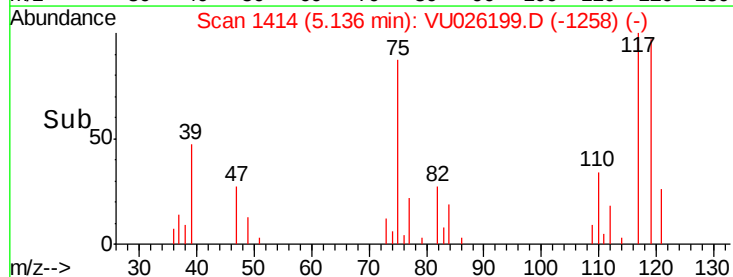
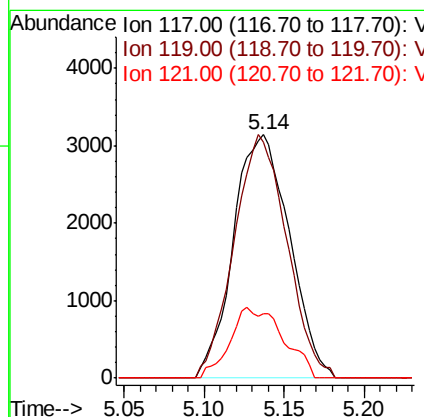
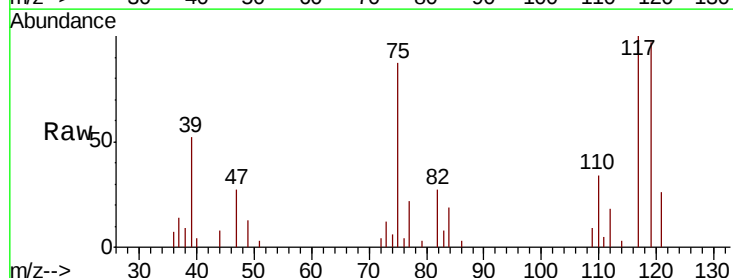
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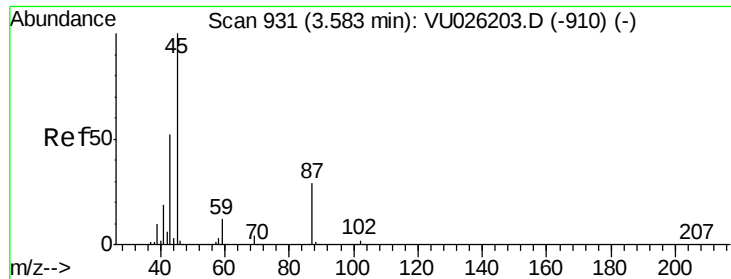
MMDadoda
 8/21/2018 11:34:23 AM



#30
 Carbon Tetrachloride
 Concen: 0.53 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.3	115.9
121	26.3	24.5	36.7





#31

Isopropyl Ether

Concen: 0.52 ug/l

RT: 3.58 min Scan# 930

Delta R.T. -0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 13193

Ion Ratio Lower Upper

45 100

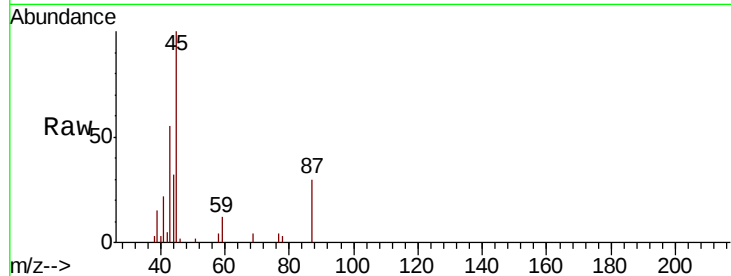
43 57.2 24.0 72.0

Manual Integrations

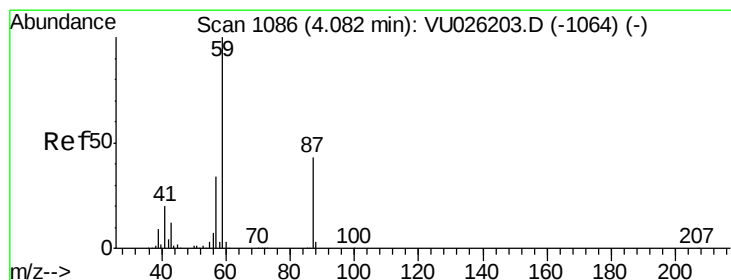
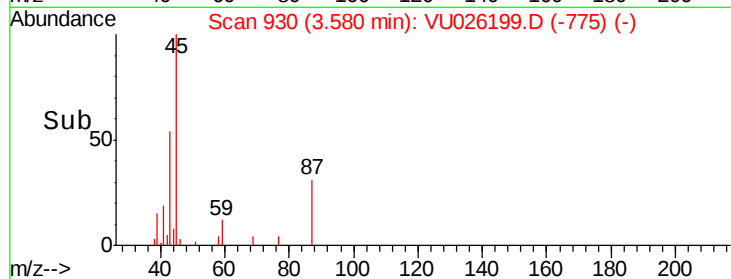
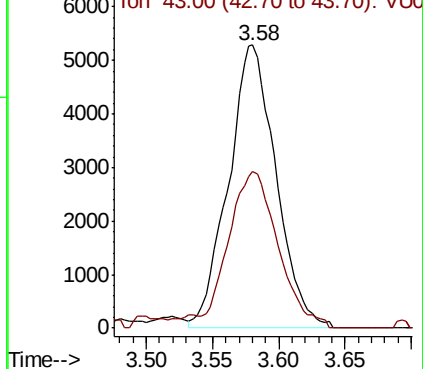
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Abundance Ion 45.00 (44.70 to 45.70): VU026199.D (-930) (-)



#32

Ethyl-t-butyl ether

Concen: 0.47 ug/l

RT: 4.07 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VU026199.D

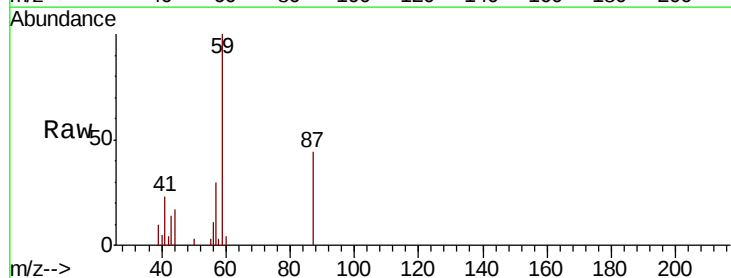
Acq: 20 Aug 2018 11:12

Tgt Ion: 59 Resp: 11376

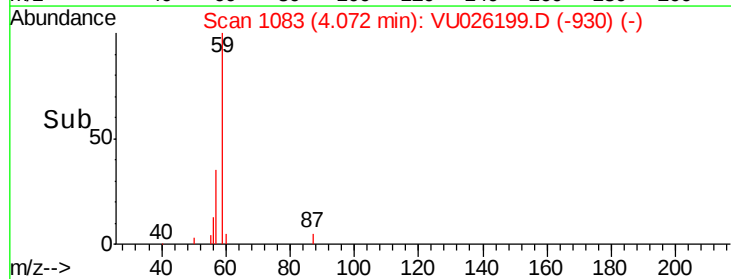
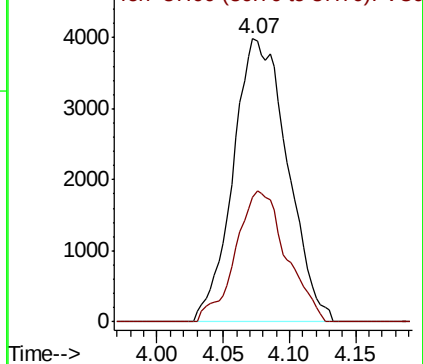
Ion Ratio Lower Upper

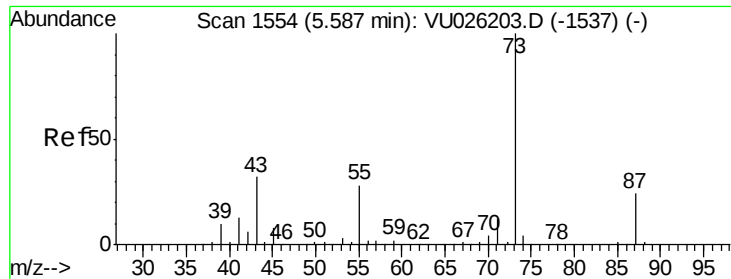
59 100

87 43.2 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU026199.D (-930) (-)





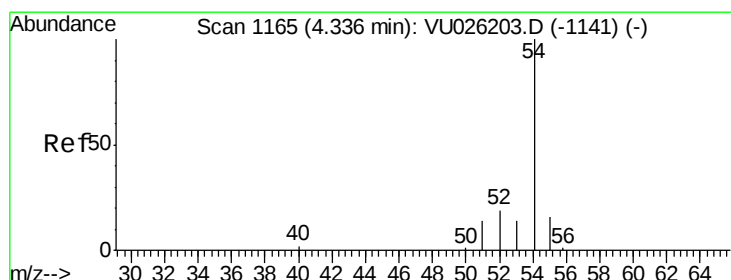
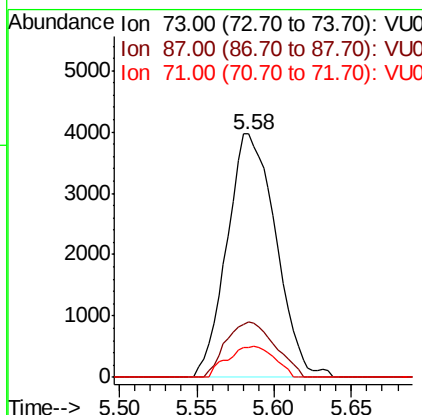
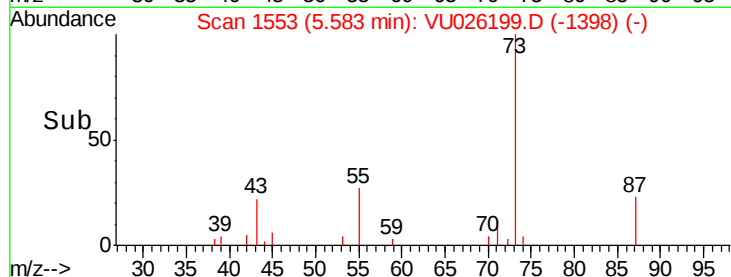
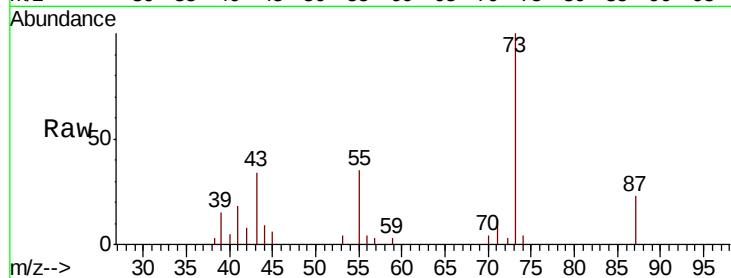
#33
Tert-Butyl methyl ether
Concen: 0.41 ug/l
RT: 5.58 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Instrument :
MSVOA_U
ClientSampleID :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.8	18.6	28.0
71	12.3	9.3	13.9

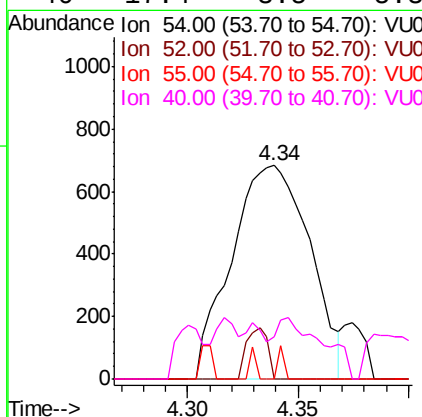
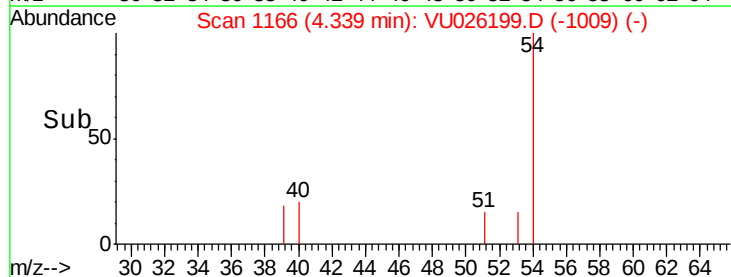
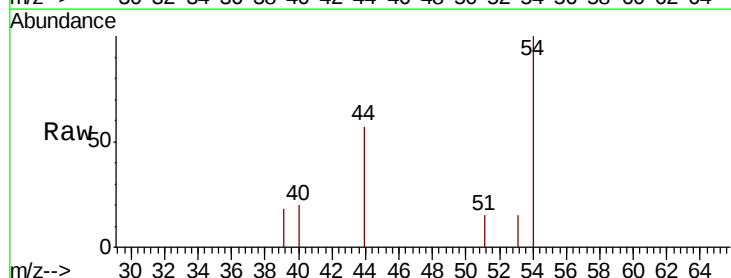
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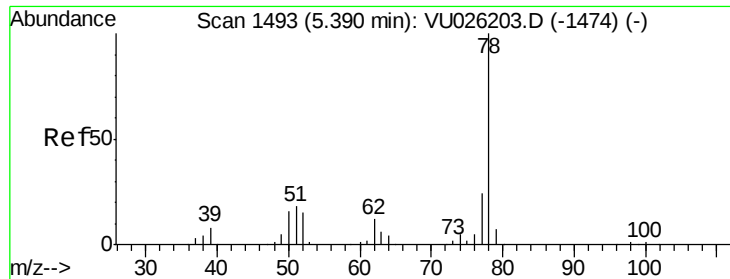
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#34
Propionitrile
Concen: 2.56 ug/l
RT: 4.34 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Tgt Ion	Ratio	Lower	Upper
54	100		
52	6.5	13.7	20.5#
55	0.0	10.2	15.2#
40	17.4	3.5	5.3#





#35

Benzene

Concen: 0.50 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 78 Resp: 18097

Ion Ratio Lower Upper

78 100

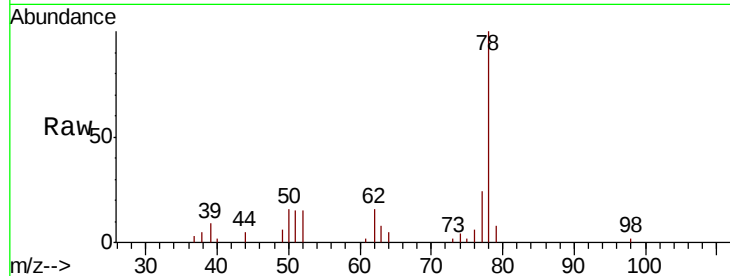
77 24.1 19.1 28.7

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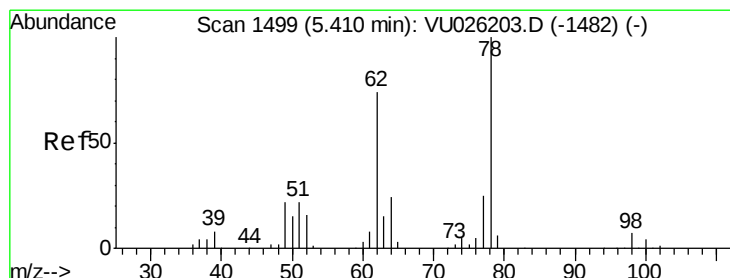
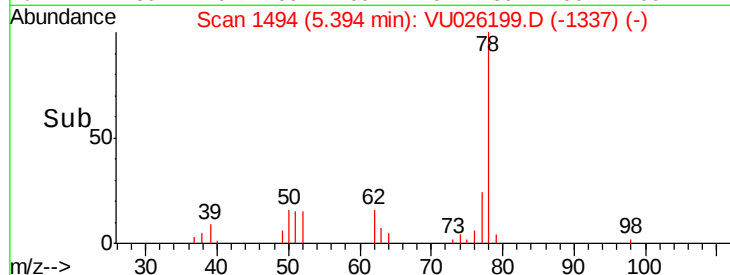


Abundance Ion 78.10 (77.80 to 78.80): VU026199.D (-1474) (-)

Ion 77.00 (76.70 to 77.70): VU026199.D (-1474) (-)

5.39

Time-->



#36

1,2-Dichloroethane

Concen: 0.53 ug/l

RT: 5.41 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VU026199.D

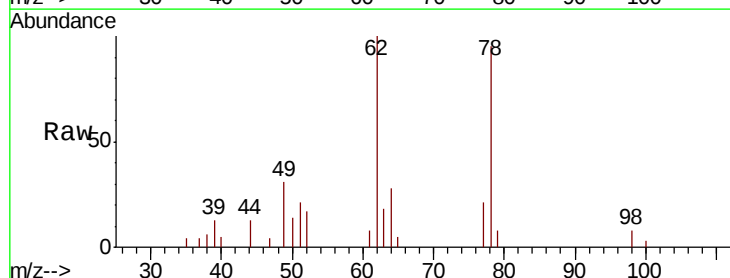
Acq: 20 Aug 2018 11:12

Tgt Ion: 62 Resp: 5837

Ion Ratio Lower Upper

62 100

98 6.2 7.2 10.8#

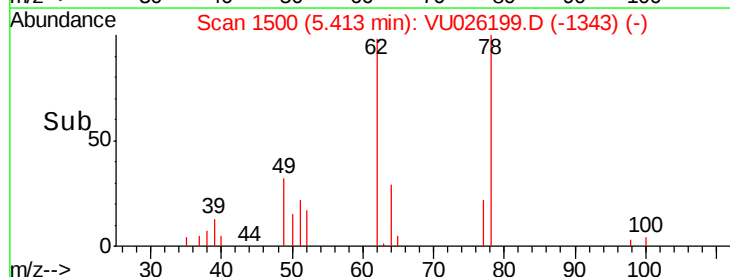


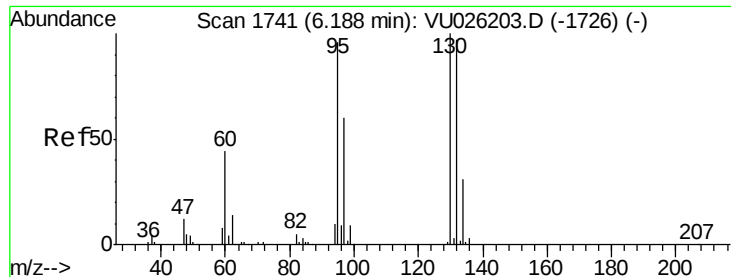
Abundance Ion 62.00 (61.70 to 62.70): VU026199.D (-1343) (-)

Ion 98.00 (97.70 to 98.70): VU026199.D (-1343) (-)

5.41

Time-->





#37

Trichloroethene

Concen: 0.52 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:130 Resp: 5458

Ion Ratio Lower Upper

130 100

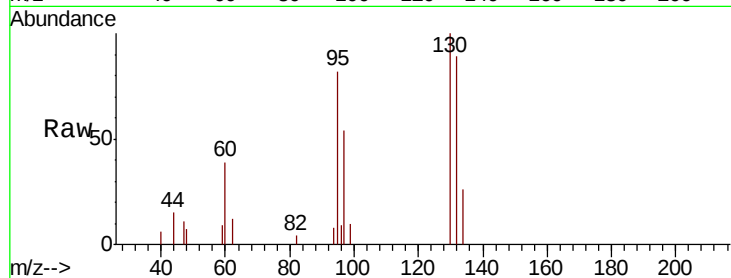
95 81.5 77.9 116.9

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Abundance Ion 129.90 (129.60 to 130.60): VU026203.D (-1726) (-)

Ion 94.90 (94.60 to 95.60): VU026203.D (-1726) (-)

6.19

2500

2000

1500

1000

500

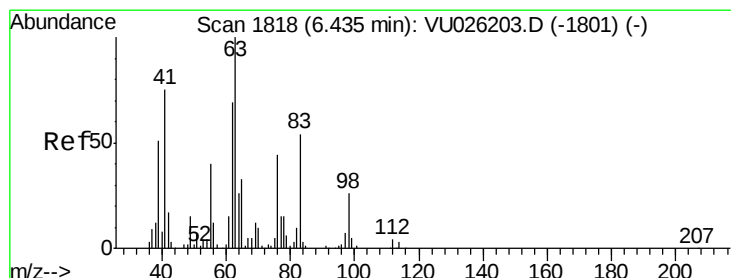
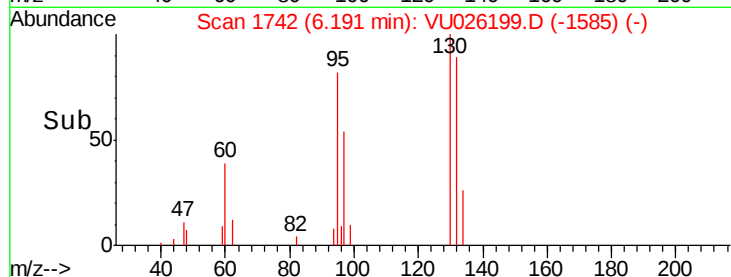
0

6.15

6.20

6.25

Time-->



#38

1,2-Dichloropropane

Concen: 0.46 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU026199.D

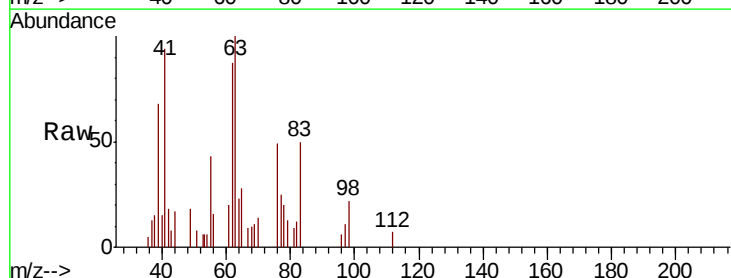
Acq: 20 Aug 2018 11:12

Tgt Ion: 63 Resp: 4328

Ion Ratio Lower Upper

63 100

65 27.9 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU026203.D (-1801) (-)

Ion 65.00 (64.70 to 65.70): VU026203.D (-1801) (-)

6.44

2000

1500

1000

500

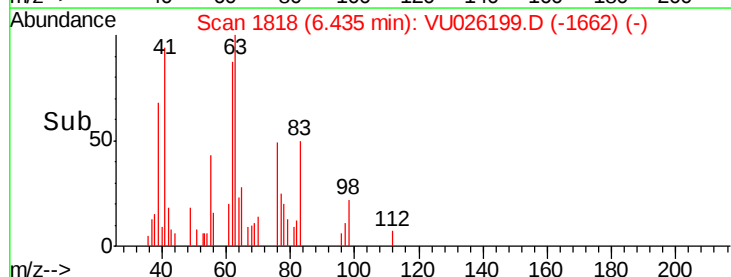
0

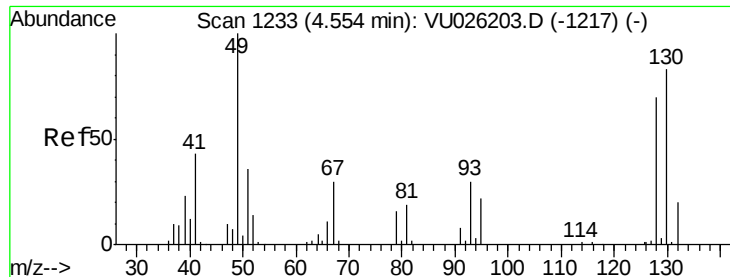
6.40

6.45

6.50

Time-->





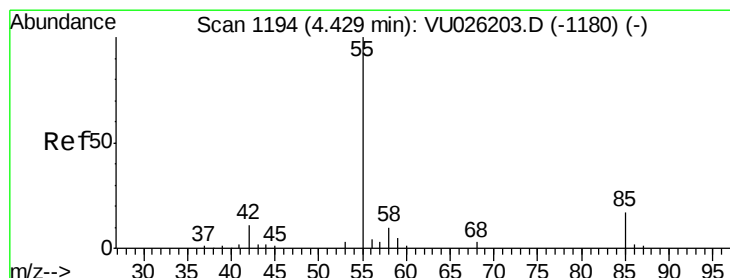
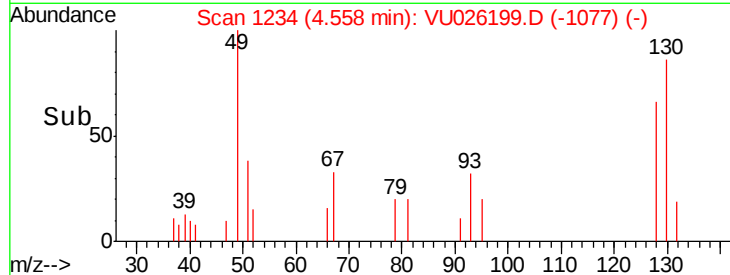
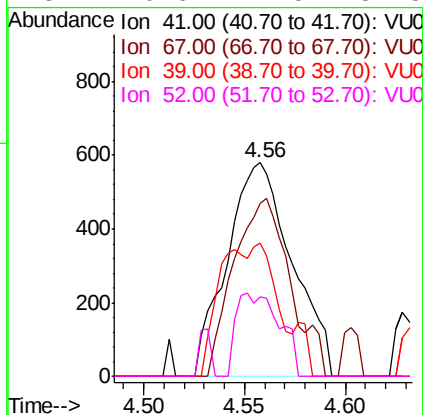
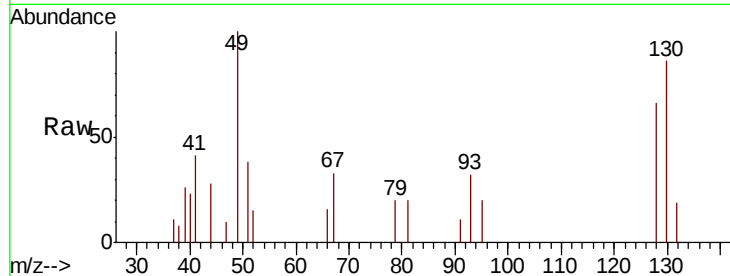
#39
Methacrylonitrile
Concen: 0.43 ug/l
RT: 4.56 min Scan# 1234
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
67	72.4	51.3	76.9		
39	29.1	40.6	60.8		
52	26.6	21.5	32.3		

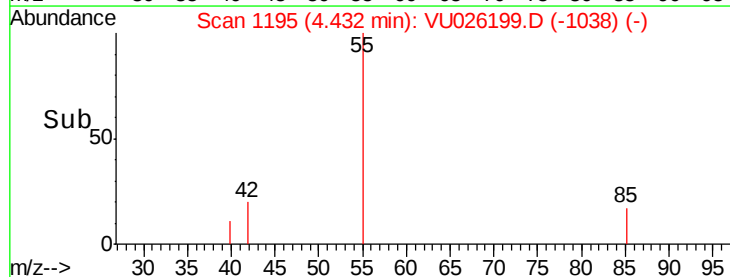
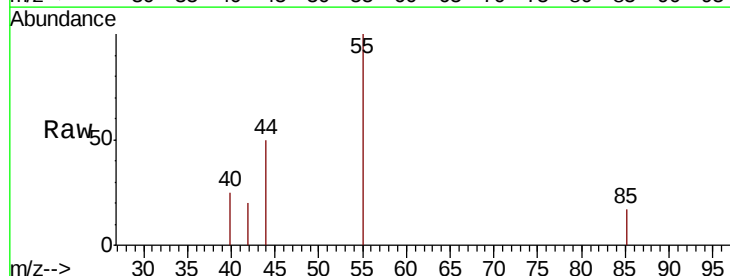
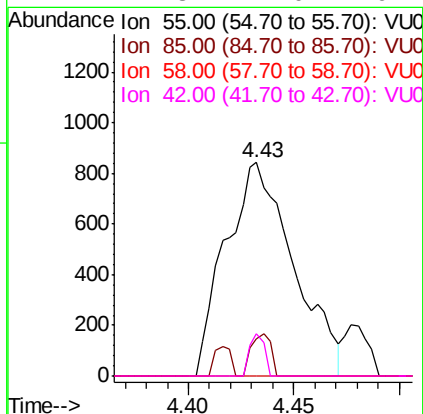
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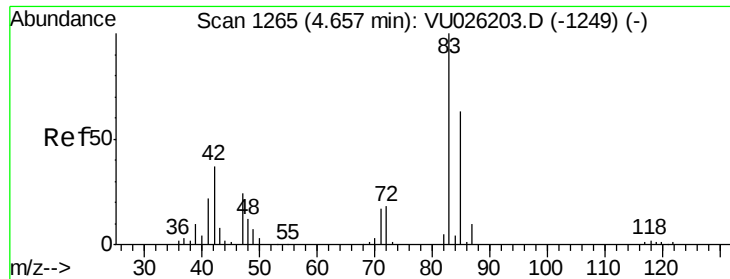
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#40
Methyl acrylate
Concen: 0.41 ug/l
RT: 4.43 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
55	100				
85	0.0	12.3	18.5		
58	0.0	7.0	10.6		
42	4.3	7.0	10.4		





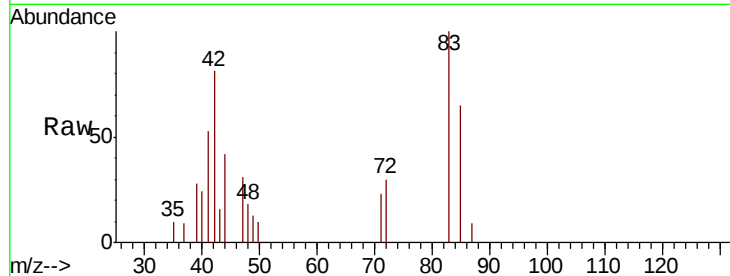
#41
Tetrahydrofuran
Concen: 1.05 ug/l
RT: 4.65 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

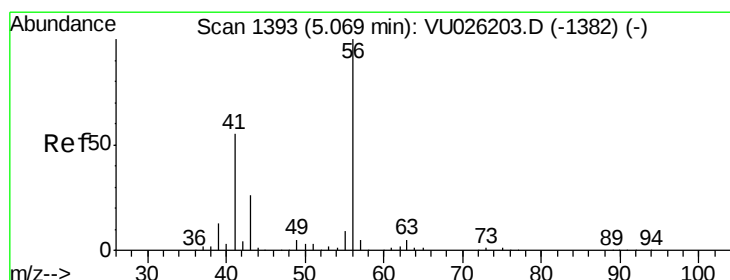
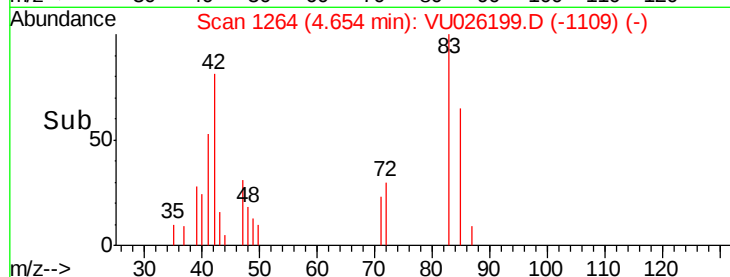
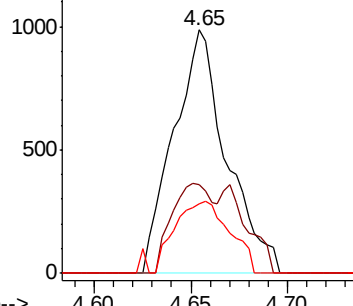
Tot Ion	Ratio	Lower	Upper
42	100		
72	29.6	33.2	49.8#
71	30.6	29.8	44.8

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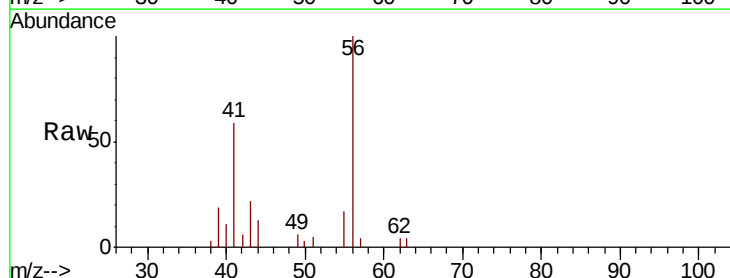


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

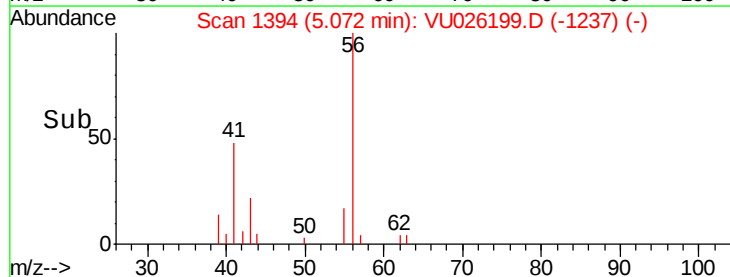
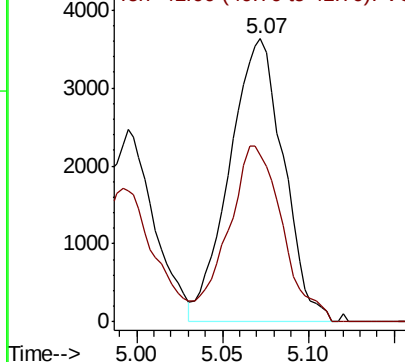


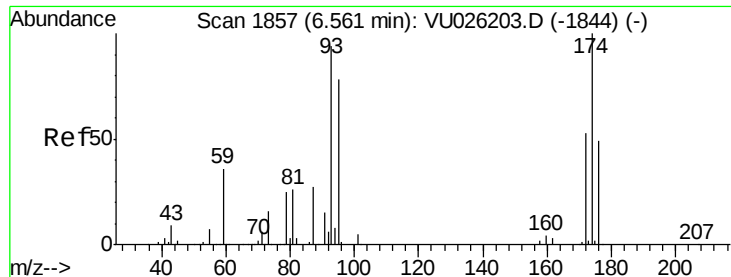
#42
1-Chlorobutane
Concen: 0.46 ug/l
RT: 5.07 min Scan# 1394
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Tgt Ion	Ratio	Lower	Upper
56	100		
41	62.0	27.5	82.5



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 0.51 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

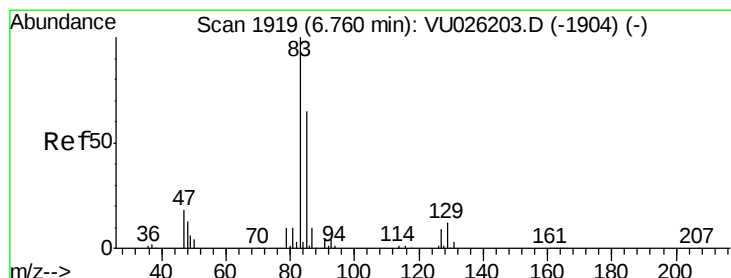
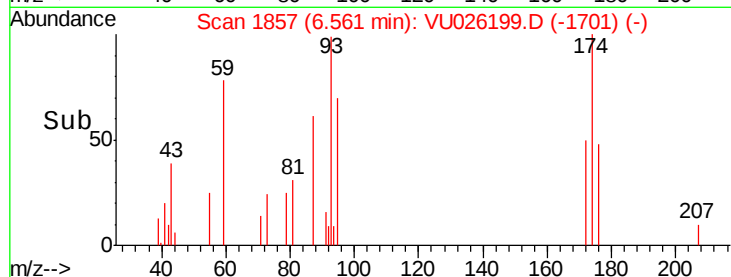
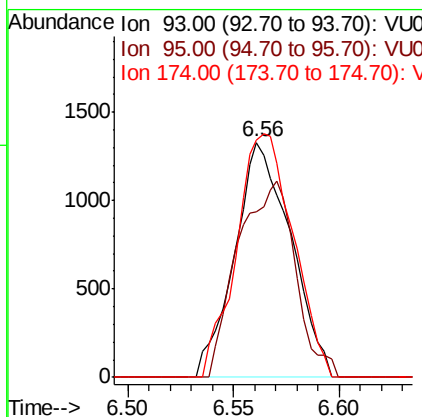
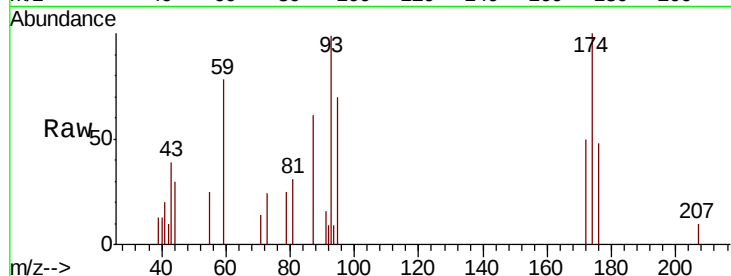
ClientSampleId :

VSTDIC0.5

Tot Ion:	93	Resp:	2457
Ion	Ratio	Lower	Upper
93	100		
95	85.7	67.2	100.8
174	104.8	82.8	124.2

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#44

Bromodichloromethane

Concen: 0.52 ug/l

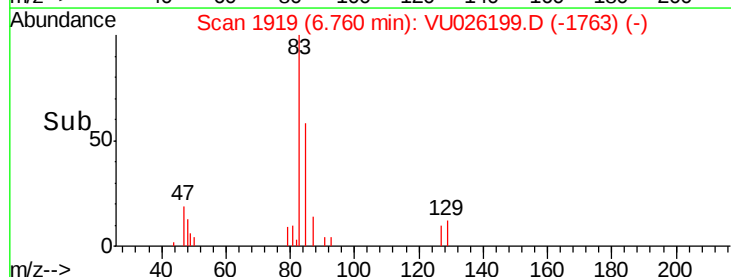
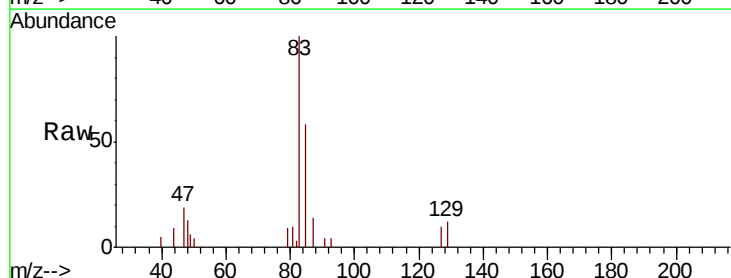
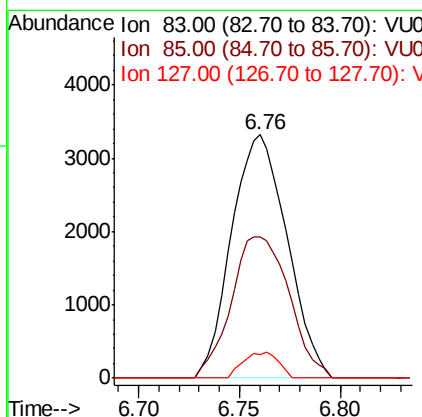
RT: 6.76 min Scan# 1919

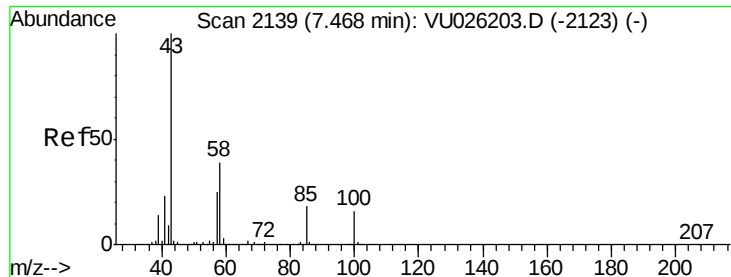
Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Tgt Ion:	83	Resp:	6376
Ion	Ratio	Lower	Upper
83	100		
85	57.7	52.2	78.4
127	9.8	7.0	10.4





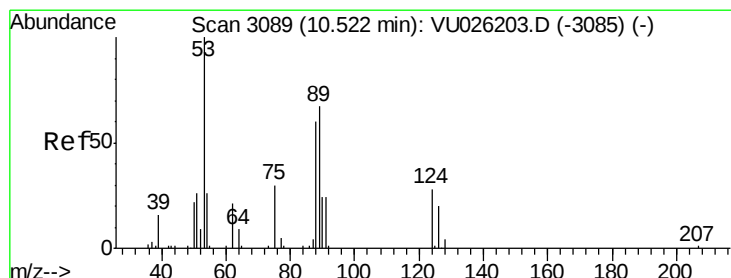
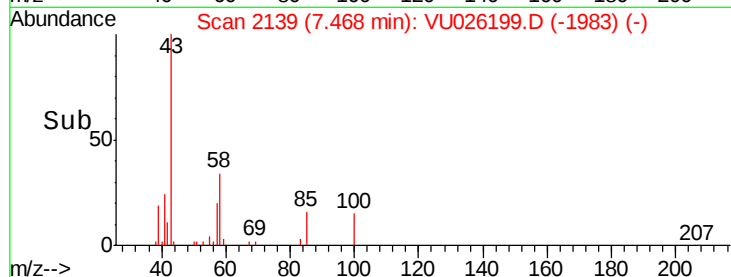
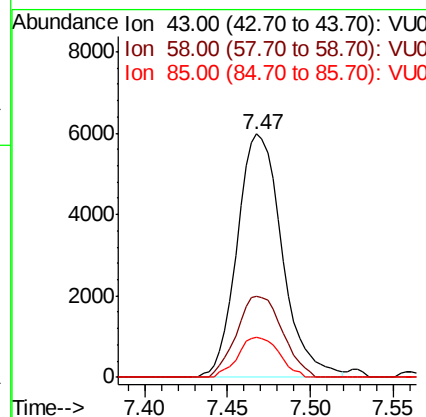
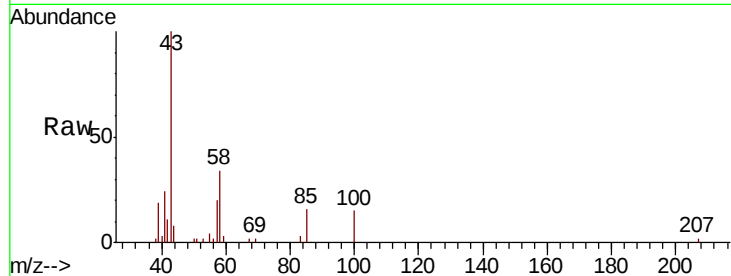
#45
 4-Methyl-2-Pentanone
 Concen: 2.08 ug/l
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
58	34.1	18.8	56.4	
85	15.2	12.6	19.0	

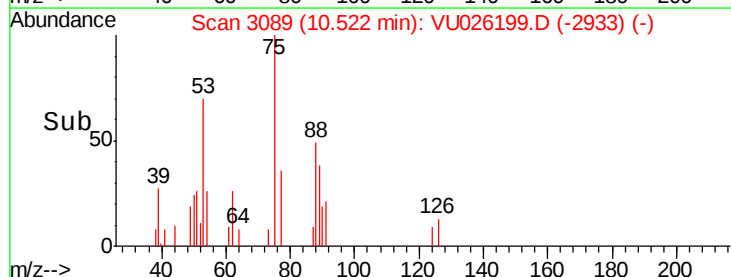
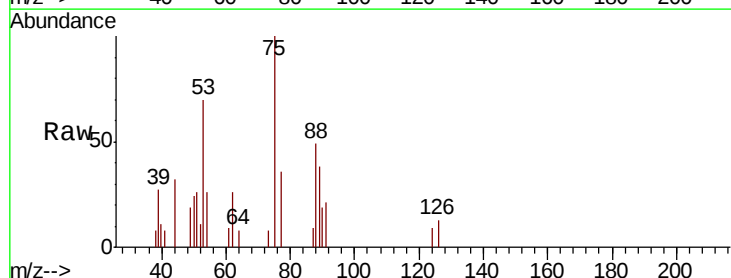
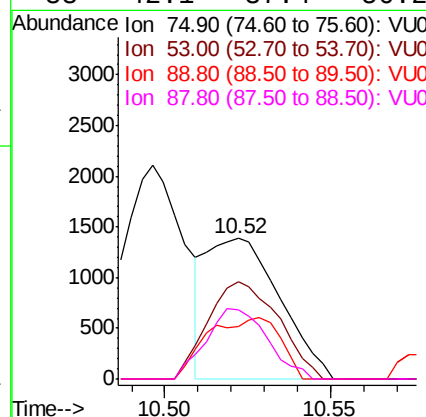
Manual Integrations
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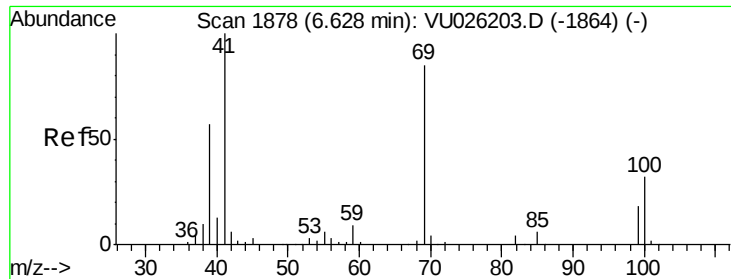
MMDadoda
 8/21/2018 11:34:23 AM



#46
 t-1,4-Dichloro-2-butene
 Concen: 2.35 ug/l m
 RT: 10.52 min Scan# 3089
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
53	67.1	82.2	123.4#	
89	43.6	51.3	76.9#	
88	42.1	37.4	56.2	





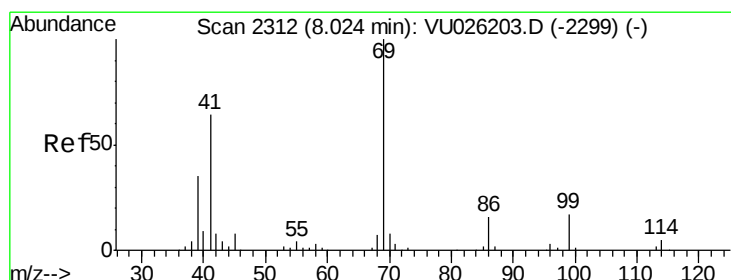
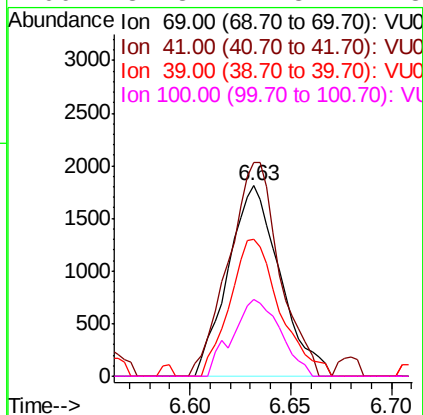
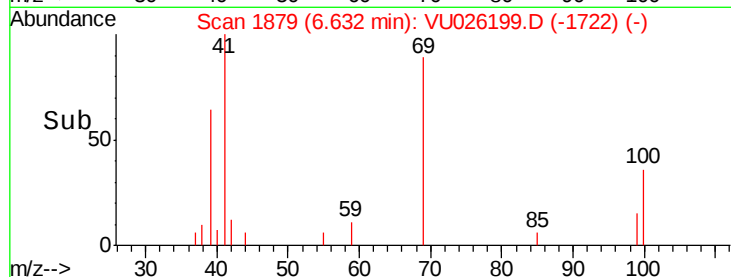
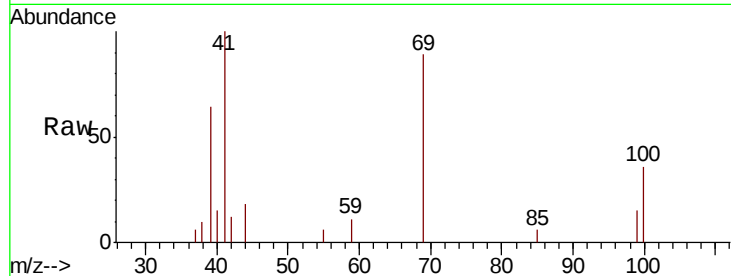
#47
Methyl methacrylate
Concen: 0.80 ug/l
RT: 6.63 min Scan# 1879
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	109.5	0.0	245.4		
39	69.1	49.0	73.4		
100	37.3	27.8	41.8		

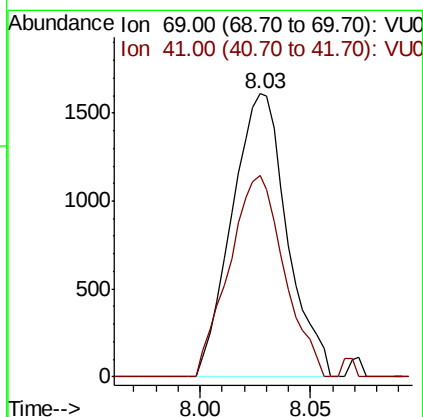
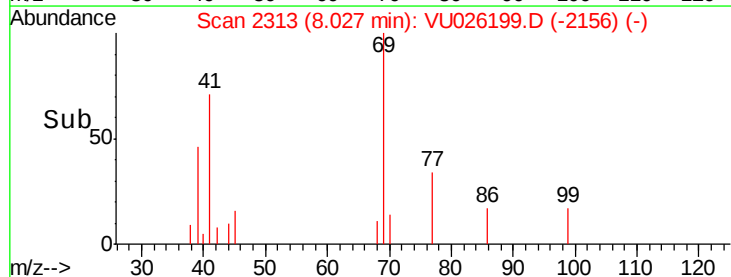
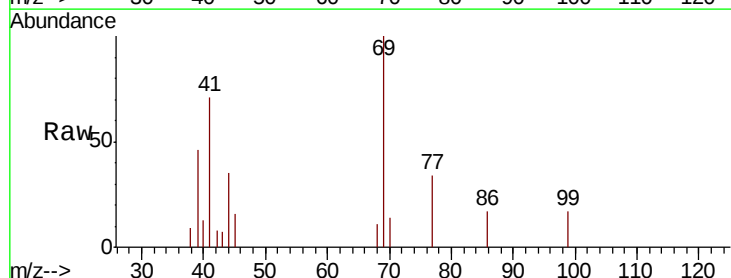
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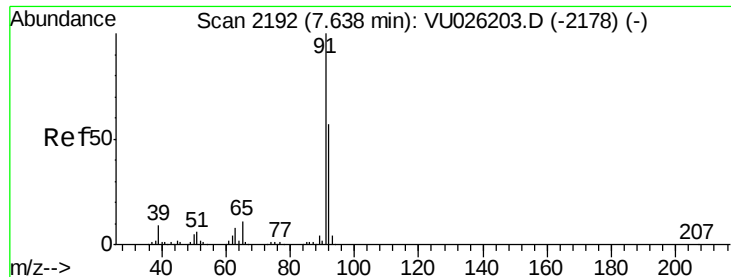
MMDadoda
8/21/2018 11:34:23 AM



#48
Ethyl methacrylate
Concen: 0.34 ug/l
RT: 8.03 min Scan# 2313
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	70.7	34.2	102.5		





#49

Toluene

Concen: 0.41 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 92 Resp: 8928

Ion Ratio Lower Upper

92 100

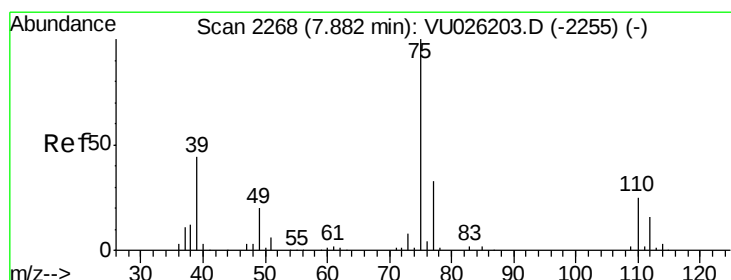
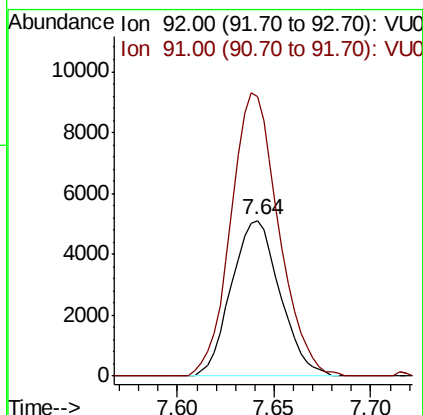
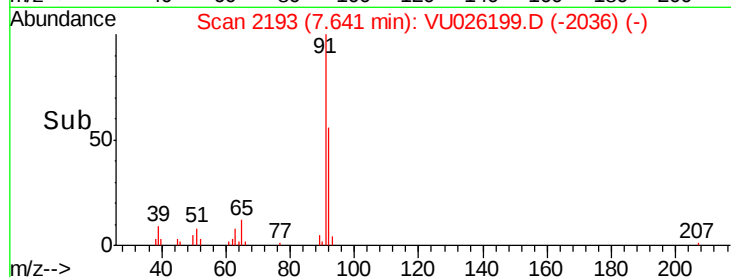
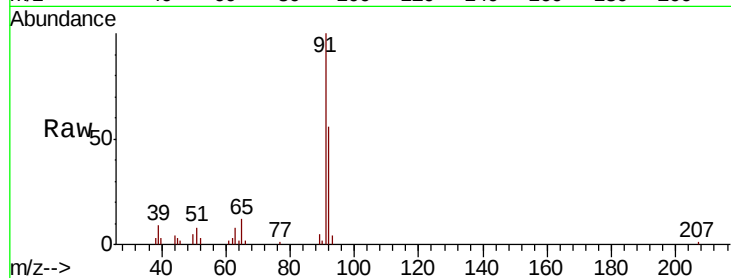
91 179.1 137.1 205.7

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#50

t-1,3-Dichloropropene

Concen: 0.46 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU026199.D

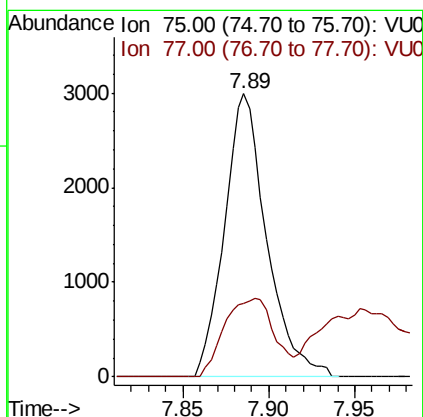
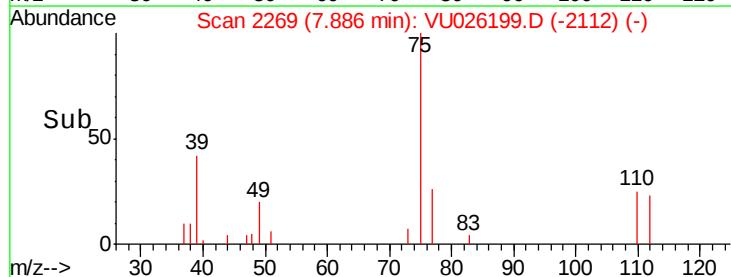
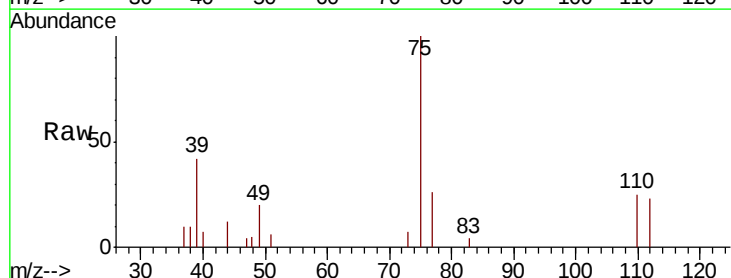
Acq: 20 Aug 2018 11:12

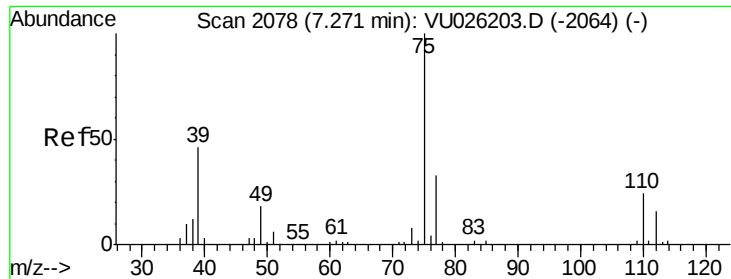
Tgt Ion: 75 Resp: 5100

Ion Ratio Lower Upper

75 100

77 25.9 25.2 37.8





#51

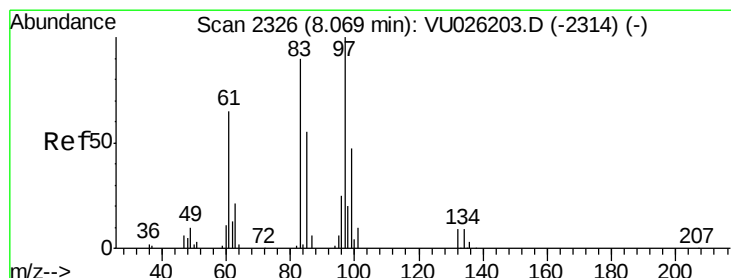
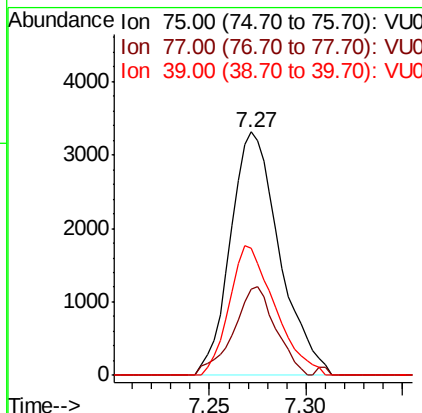
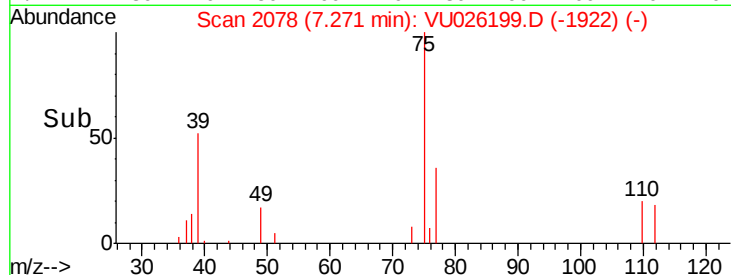
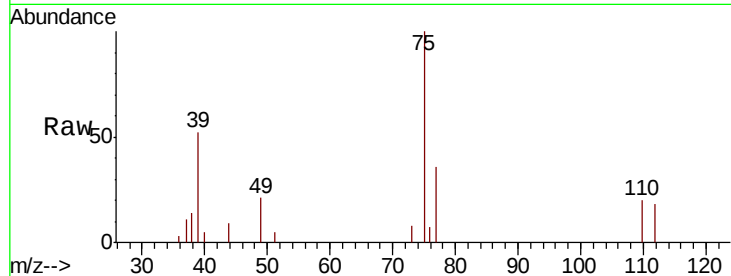
cis-1,3-Dichloropropene
Concen: 0.44 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.6	25.2	37.8
39	52.4	36.4	54.6

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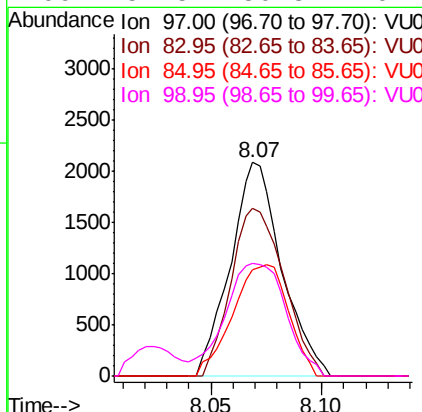
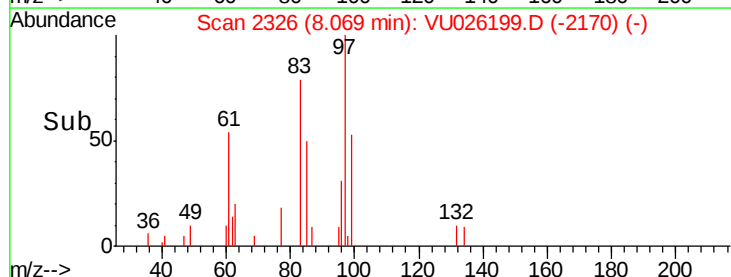
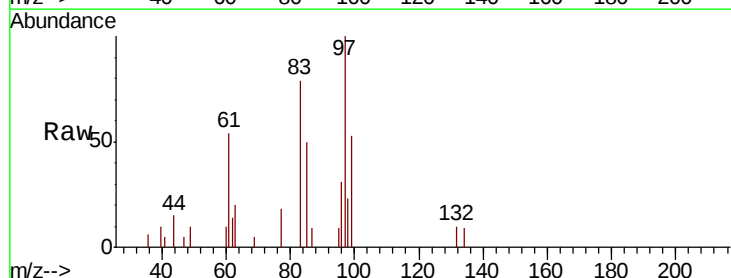
MMDadoda
8/21/2018 11:34:23 AM

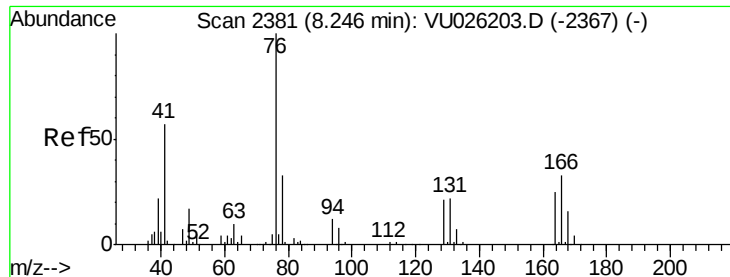


#52

1,1,2-Trichloroethane
Concen: 0.52 ug/l
RT: 8.07 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.7	72.6	109.0
85	50.0	47.2	70.8
99	52.5	50.8	76.2





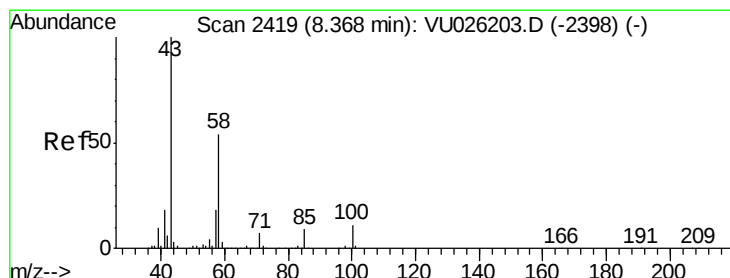
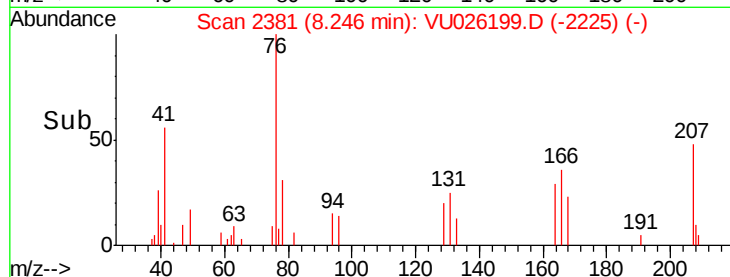
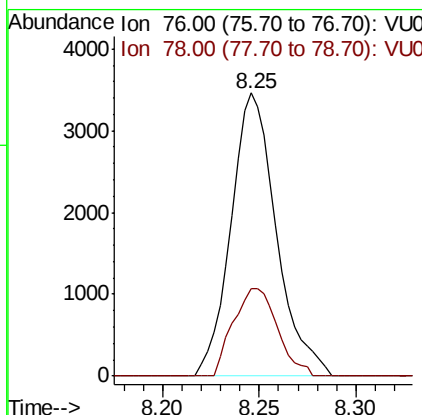
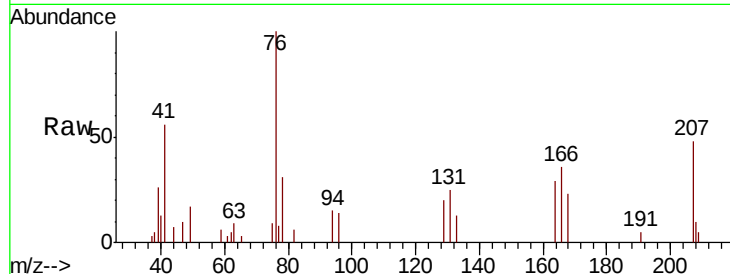
#53
 1,3-Dichloropropane
 Concen: 0.51 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 76 Resp: 5641
 Ion Ratio Lower Upper
 76 100
 78 30.2 25.7 38.5

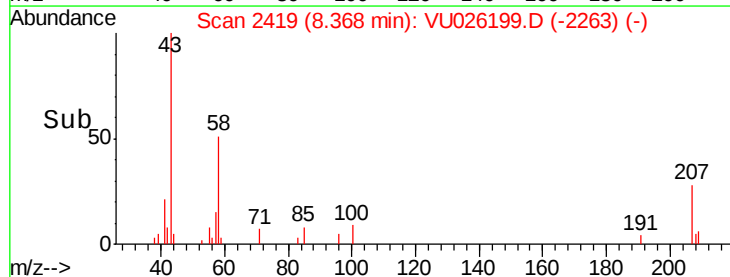
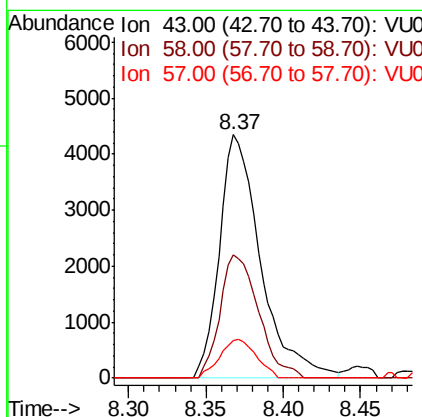
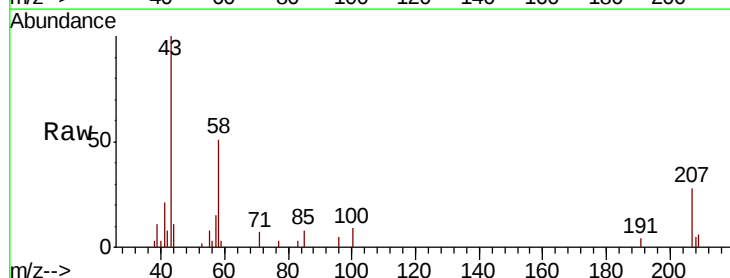
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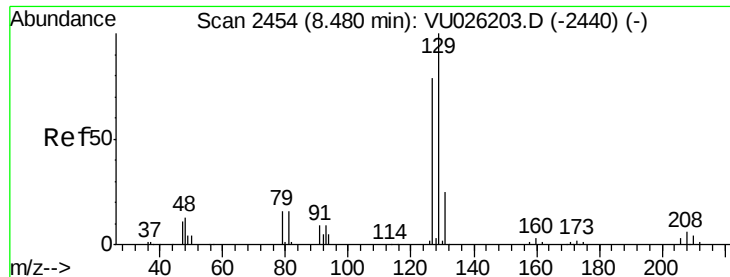
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#54
 2-Hexanone
 Concen: 2.10 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Tgt Ion: 43 Resp: 8044
 Ion Ratio Lower Upper
 43 100
 58 47.2 32.5 72.5
 57 14.0 0.0 37.9





#55

Dibromochloromethane

Concen: 0.49 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:129 Resp: 4099

Ion Ratio Lower Upper

129 100

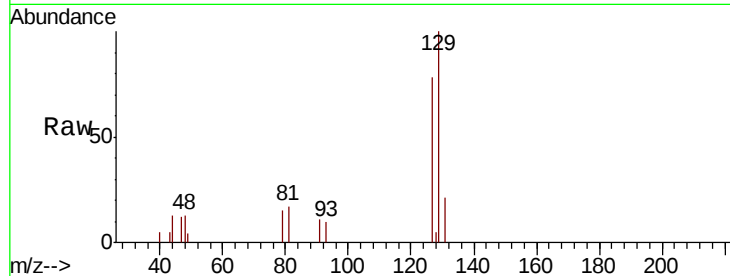
127 79.8 61.1 91.7

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.48

2500

2000

1500

1000

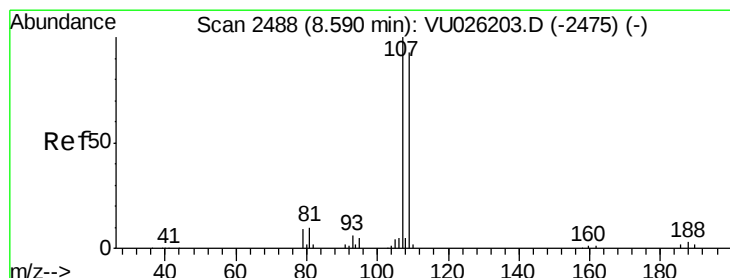
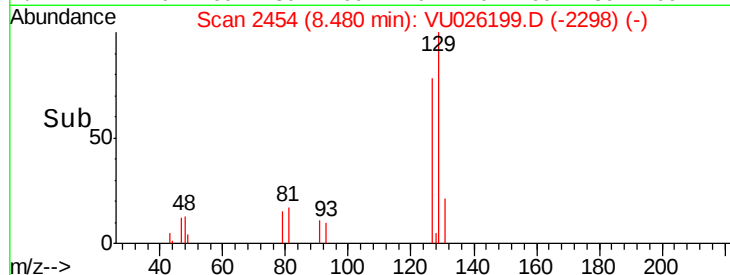
500

0

8.45

8.50

Time-->



#56

1,2-Dibromoethane

Concen: 0.52 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. 0.00 min

Lab File: VU026199.D

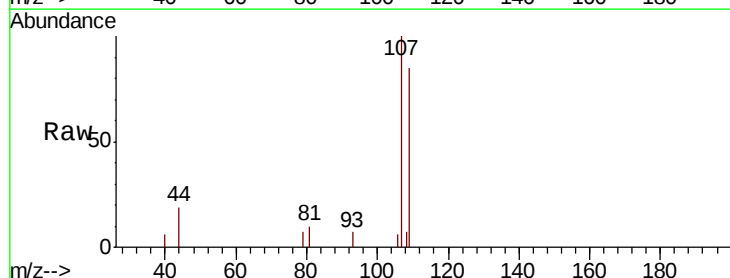
Acq: 20 Aug 2018 11:12

Tgt Ion:107 Resp: 3292

Ion Ratio Lower Upper

107 100

109 86.1 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.59

2000

1500

1000

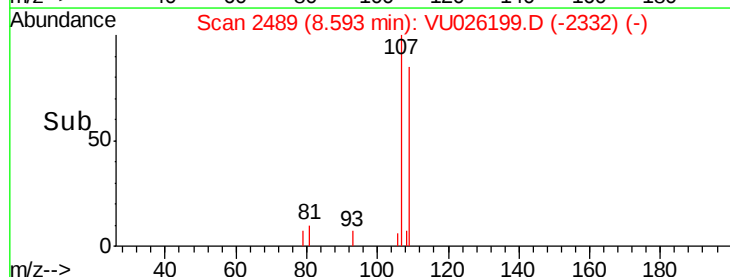
500

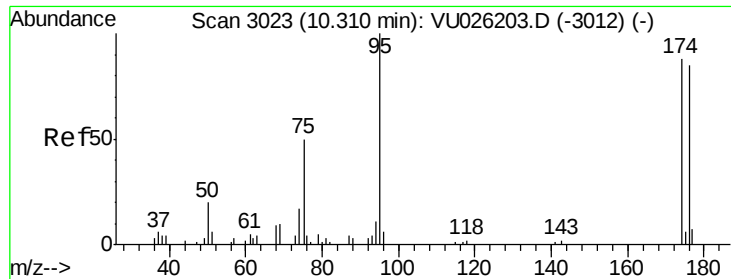
0

8.55

8.60

Time-->





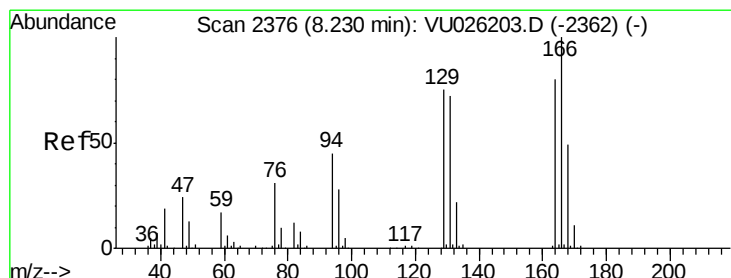
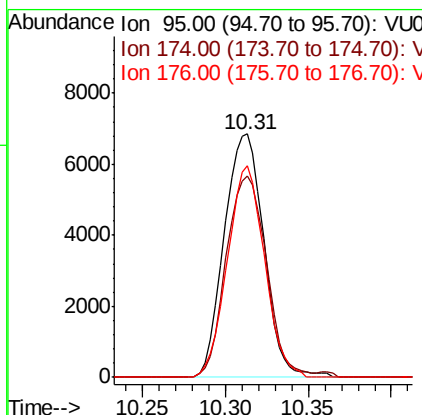
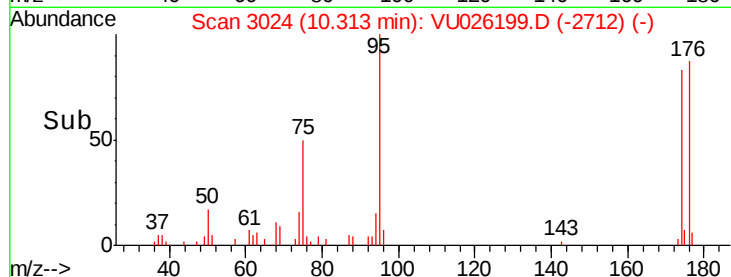
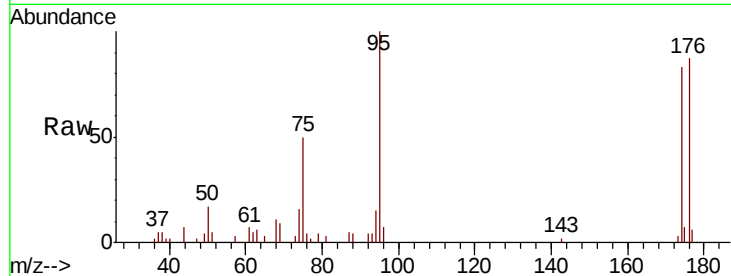
#57
4-Bromofluorobenzene
Concen: 0.52 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
95	100		
174	84.3	65.6	98.4
176	81.4	62.0	93.0

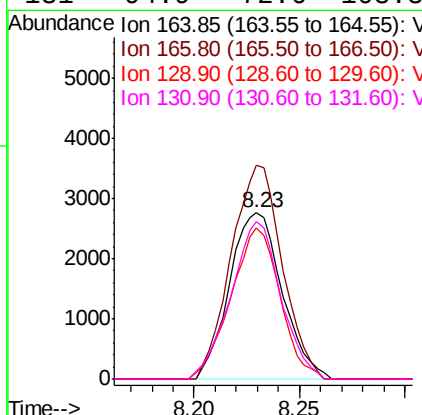
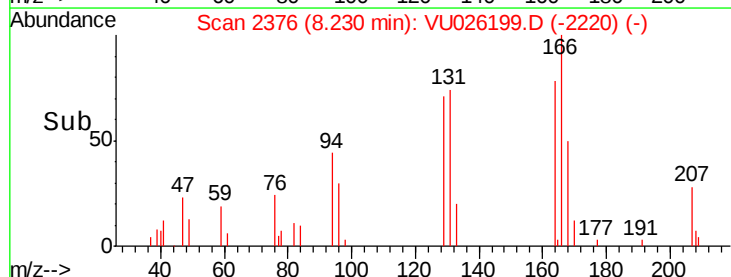
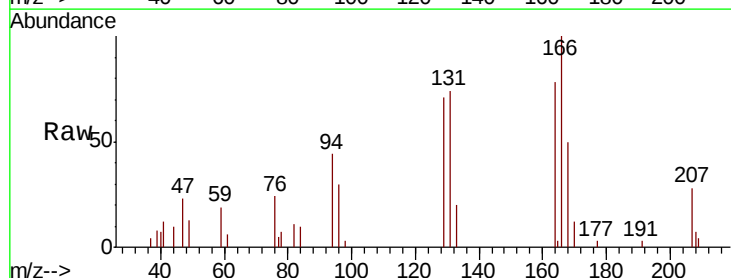
Manual Integrations
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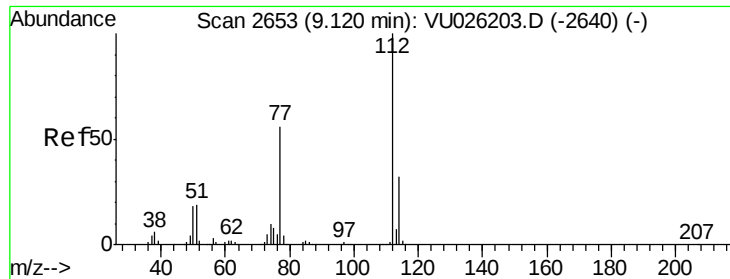
MMDadoda
8/21/2018 11:34:23 AM



#58
Tetrachloroethene
Concen: 0.50 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	104.1	156.1
129	91.2	76.8	115.2
131	94.9	72.6	108.8





#59

Chlorobenzene

Concen: 0.43 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:112 Resp: 10818

Ion Ratio Lower Upper

112 100

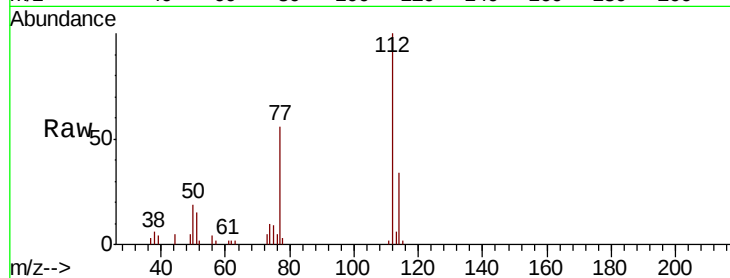
114 34.4 25.4 38.2

Manual Integrations

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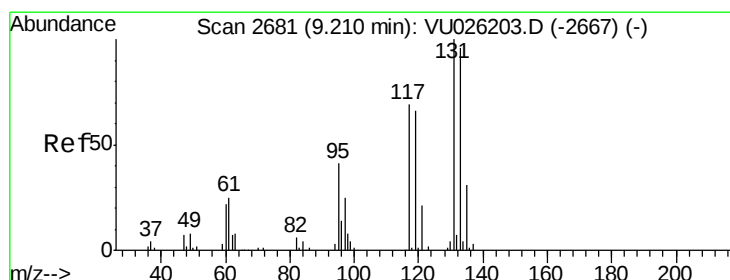
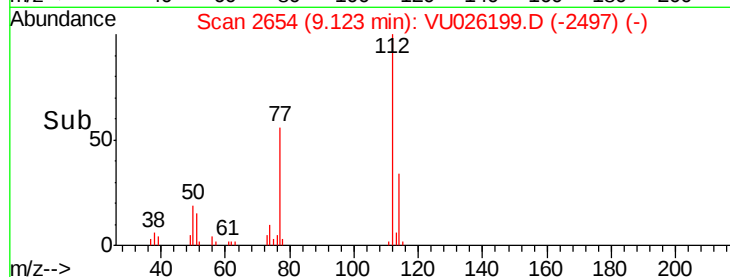
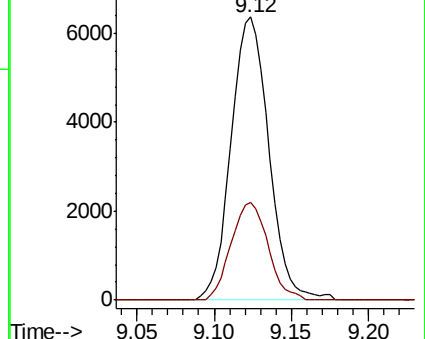
MMDadoda

8/21/2018 11:34:23 AM



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 0.49 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

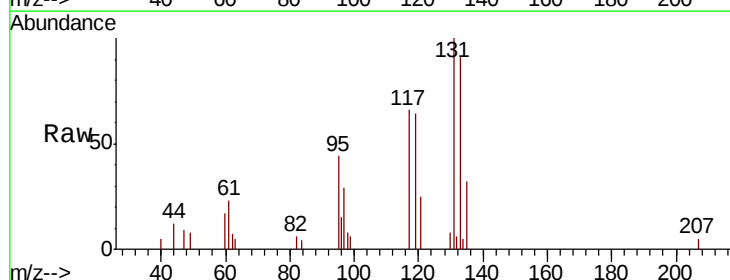
Tgt Ion:131 Resp: 4619

Ion Ratio Lower Upper

131 100

133 94.1 75.8 113.8

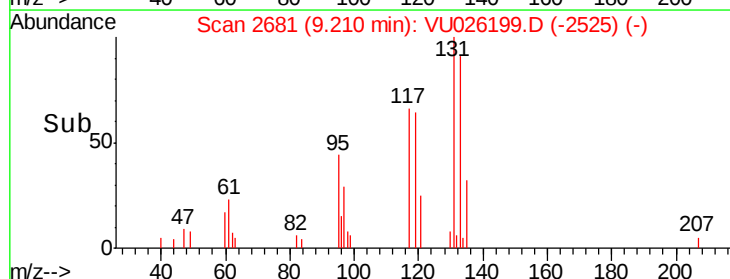
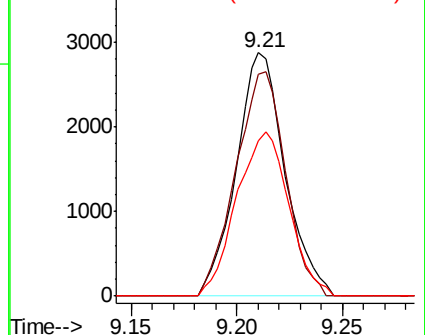
119 72.3 53.0 79.6

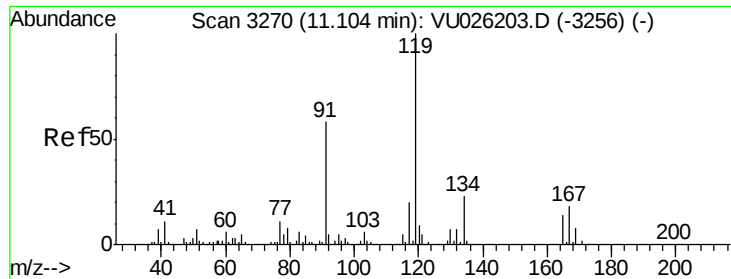


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





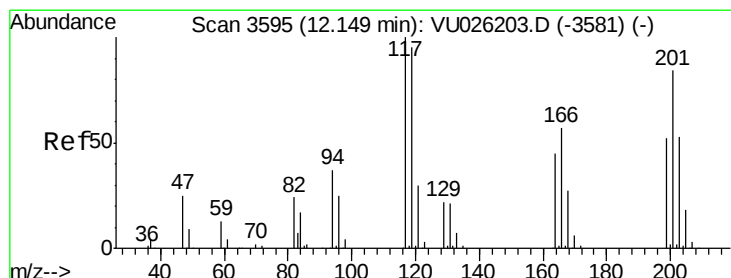
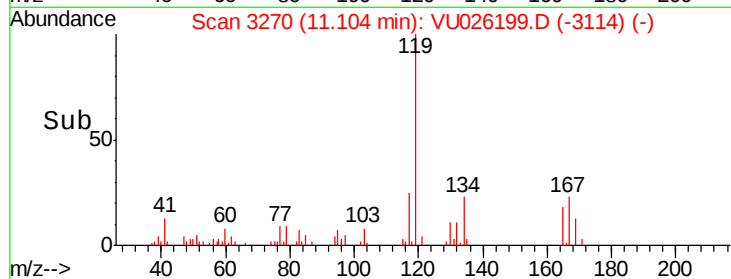
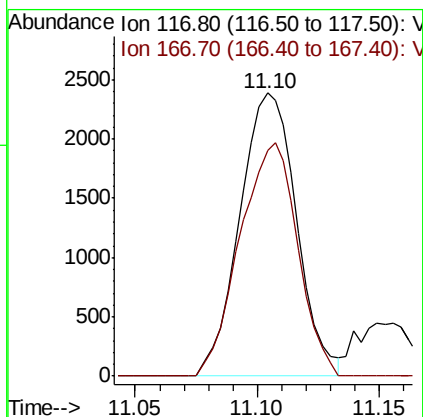
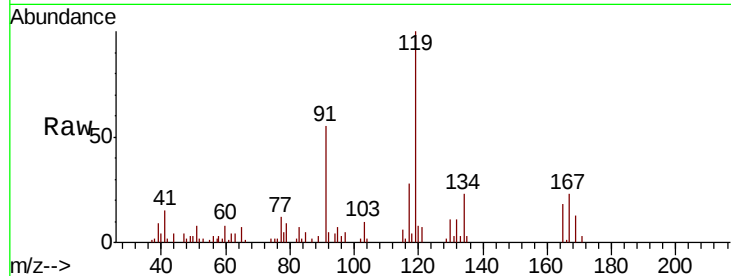
#61
 Pentachloroethane
 Concen: 0.54 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
167	83.7	69.2	103.8

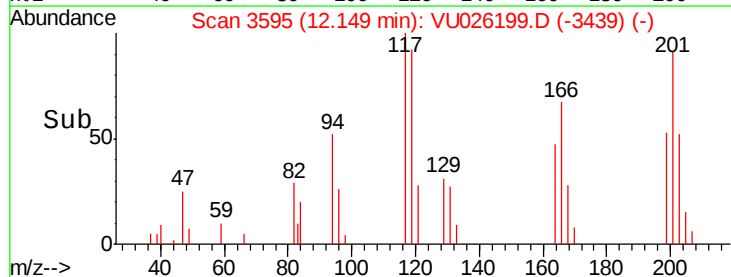
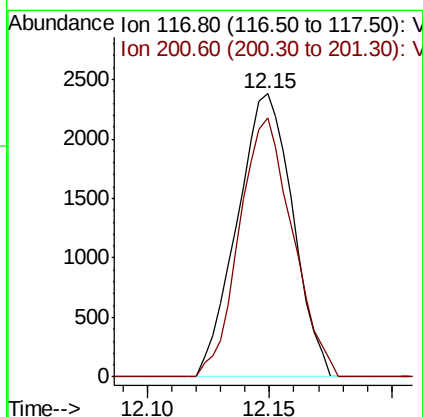
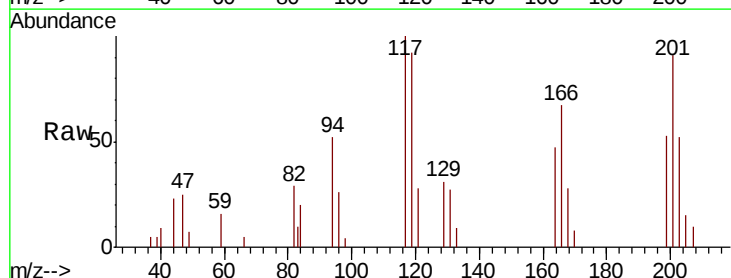
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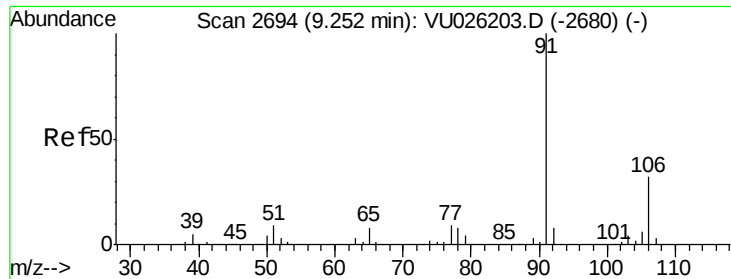
MMDadoda
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#62
 Hexachloroethane
 Concen: 0.51 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.6	68.7	103.1





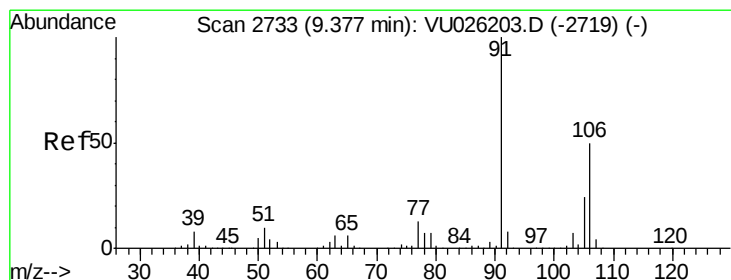
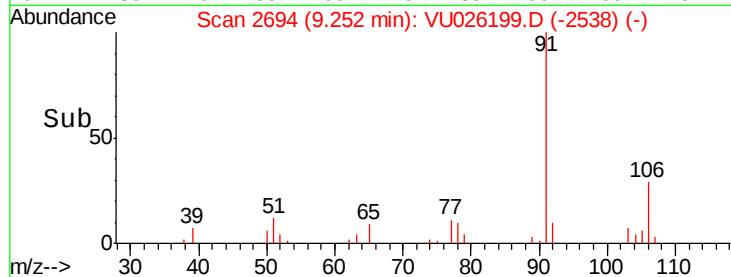
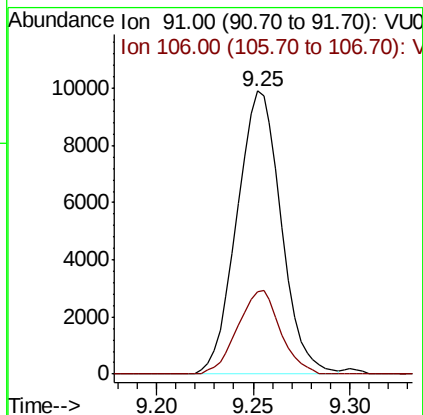
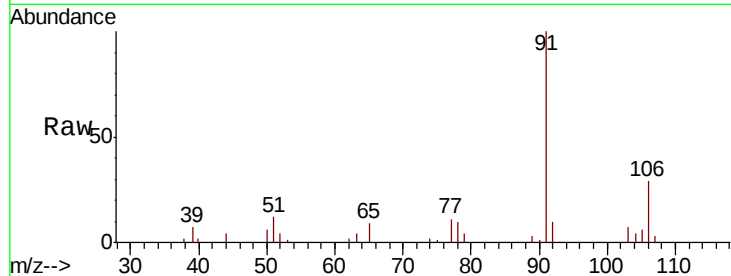
#63
Ethyl Benzene
Concen: 0.38 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 15768
Ion Ratio Lower Upper
91 100
106 29.3 24.7 37.1

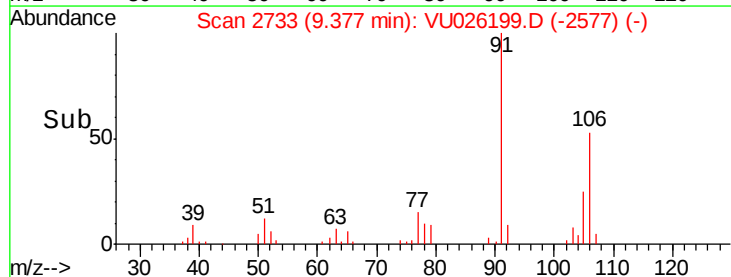
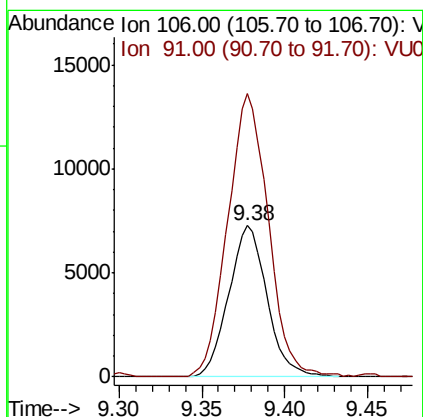
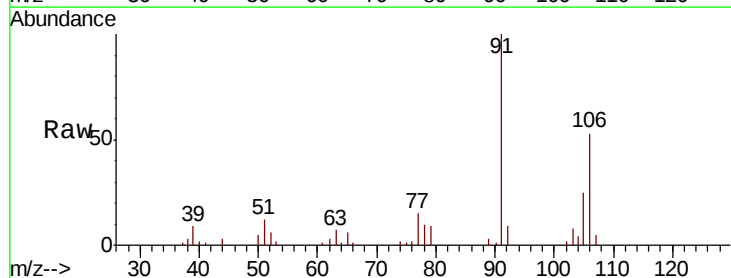
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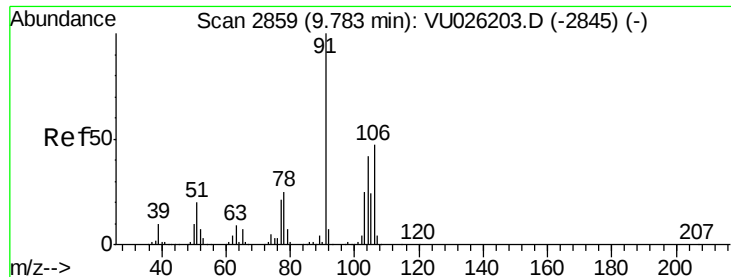
MMDadoda
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#64
m/p-Xylenes
Concen: 0.71 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Tgt Ion: 106 Resp: 11681
Ion Ratio Lower Upper
106 100
91 197.7 164.1 246.1





#65

o-Xylene

Concen: 0.37 ug/l

RT: 9.78 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

Tot Ion:106 Resp: 5788

Ion Ratio Lower Upper

106 100

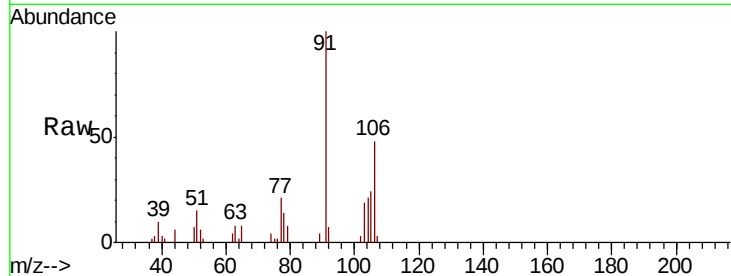
91 220.7 107.9 323.7

Manual Integrations

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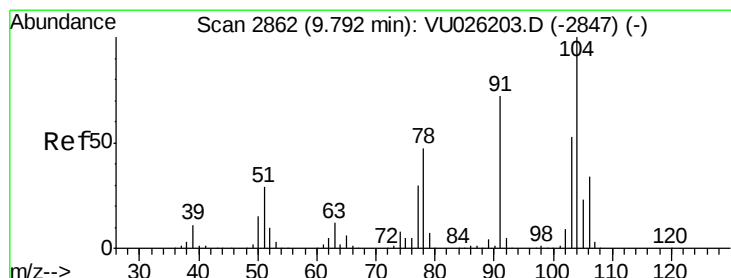
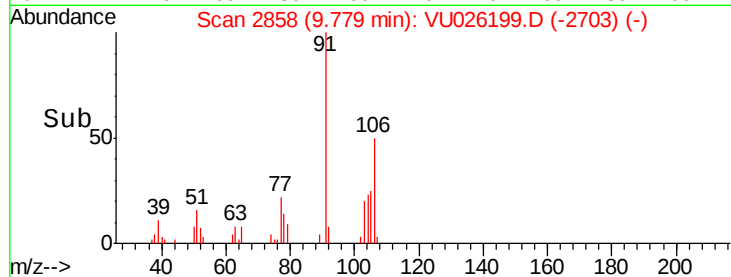
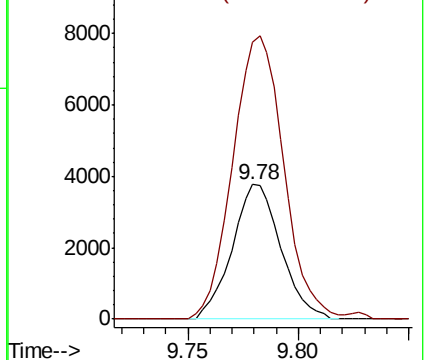
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 0.35 ug/l

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

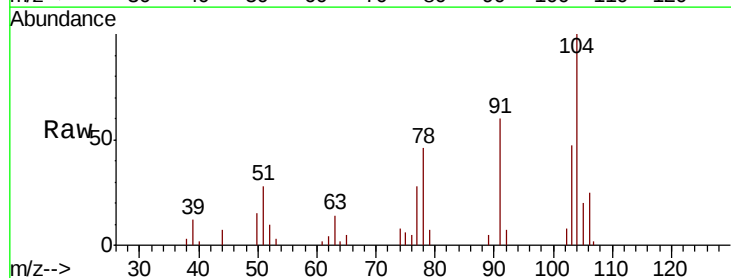
Tgt Ion:104 Resp: 9322

Ion Ratio Lower Upper

104 100

78 48.6 40.2 60.2

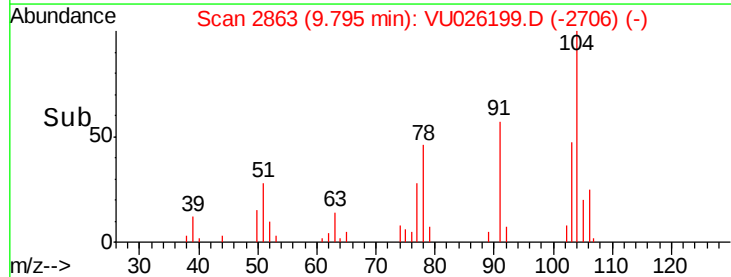
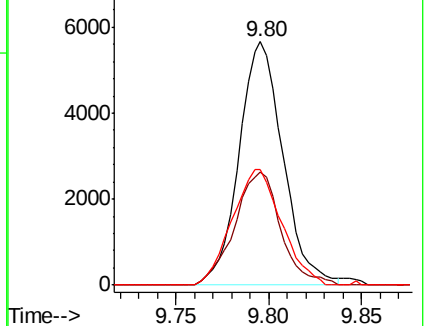
103 53.4 44.2 66.4

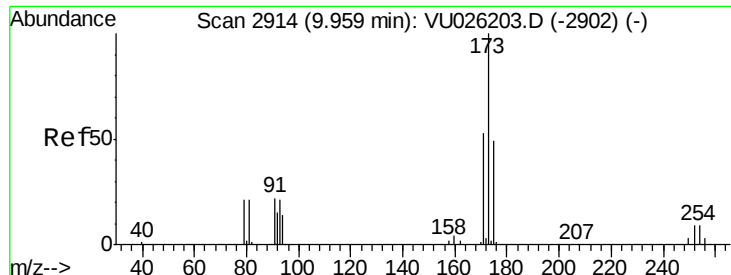


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





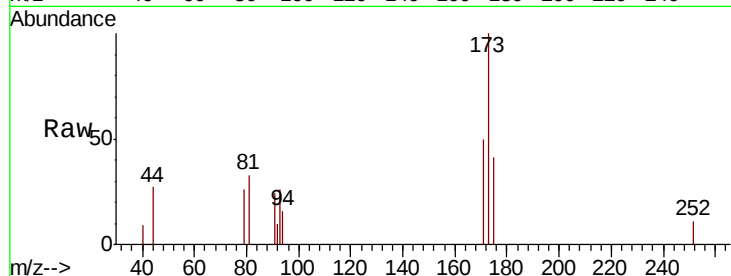
#67
Bromoform
Concen: 0.47 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

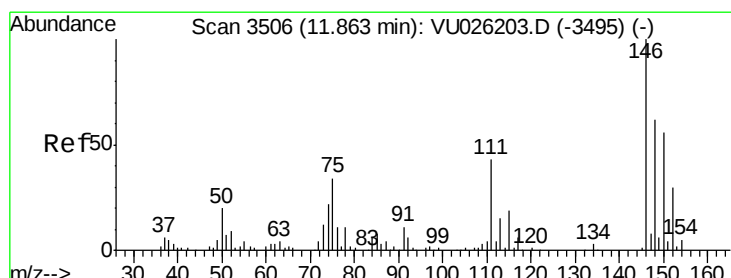
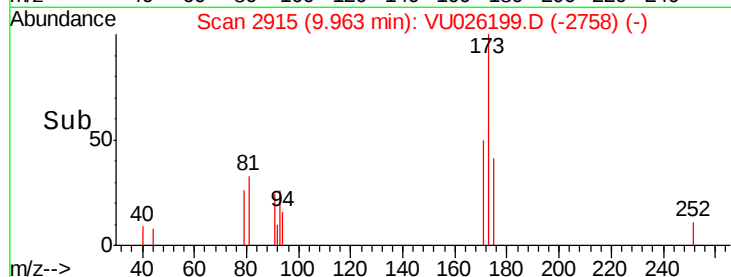
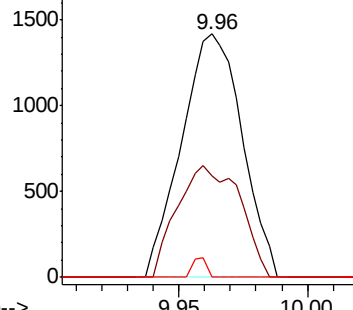
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	38.6	57.8
254	1.9	8.8	13.2#

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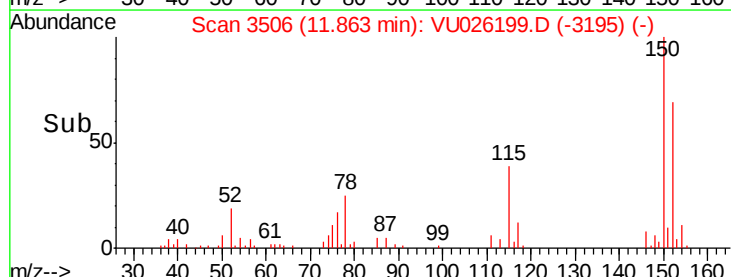
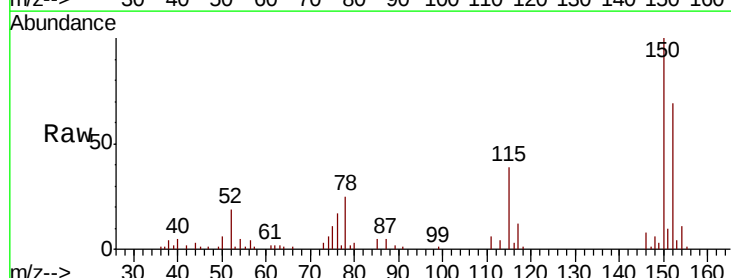
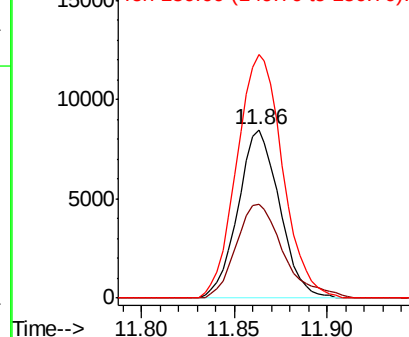
Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

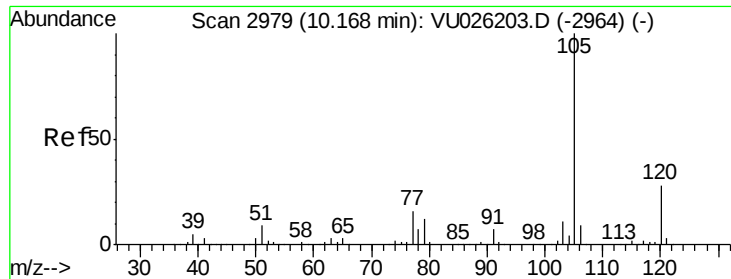


#68
1,2-Dichlorobenzene-d4
Concen: 0.47 ug/l
RT: 11.86 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.8	0.0	118.8
150	159.2	0.0	0.0#

Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.37 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 15696

Ion Ratio Lower Upper

105 100

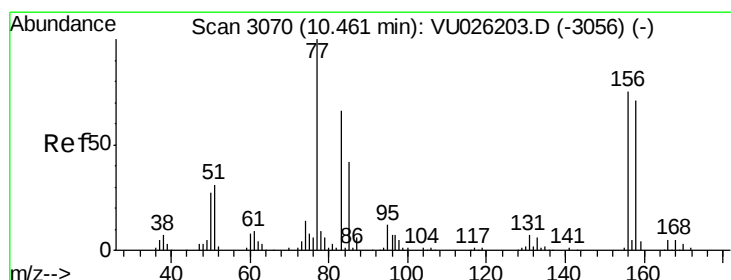
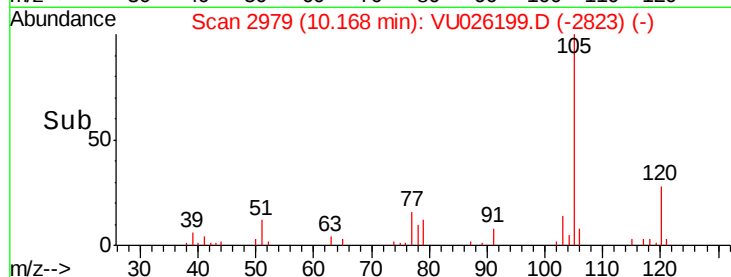
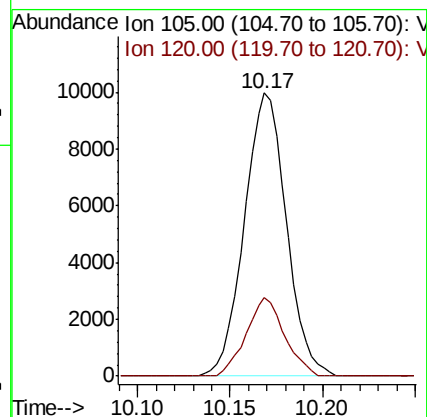
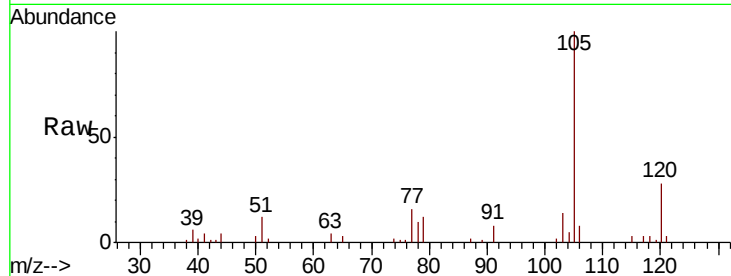
120 25.4 13.1 39.3

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#70

1,1,2,2-Tetrachloroethane

Concen: 0.49 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

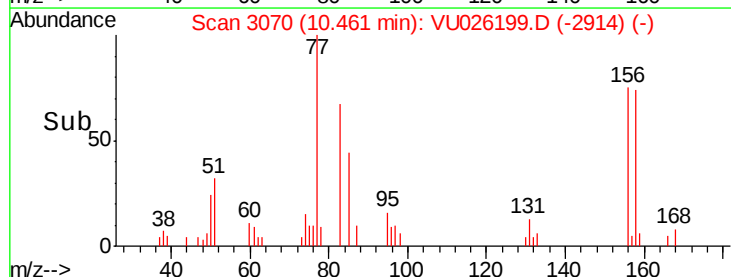
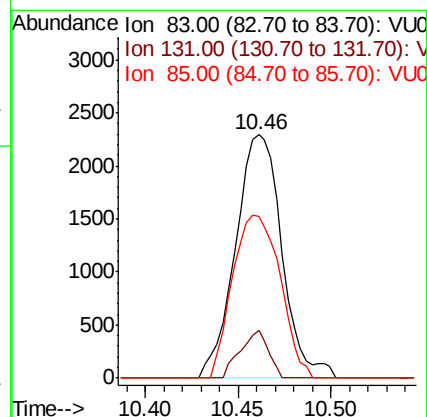
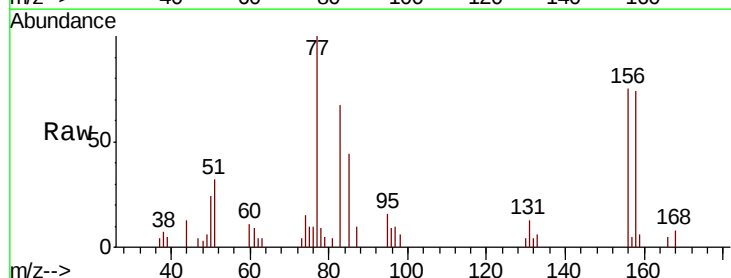
Tgt Ion: 83 Resp: 3986

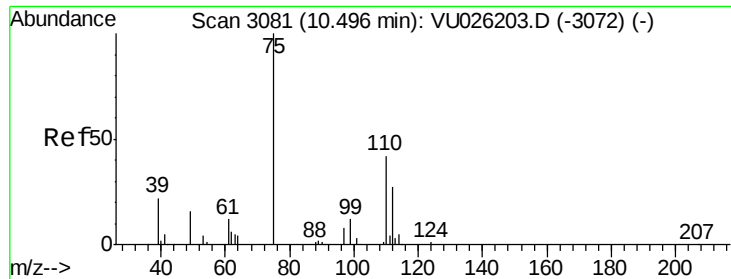
Ion Ratio Lower Upper

83 100

131 11.9 7.9 11.9

85 68.5 51.8 77.6





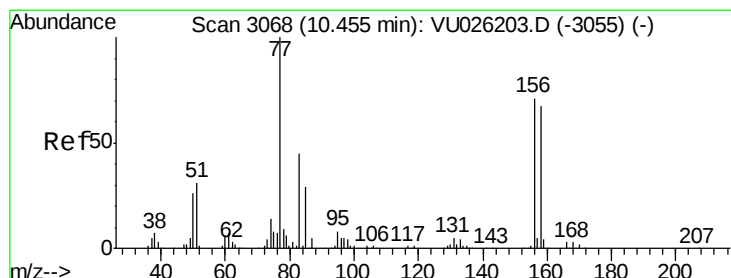
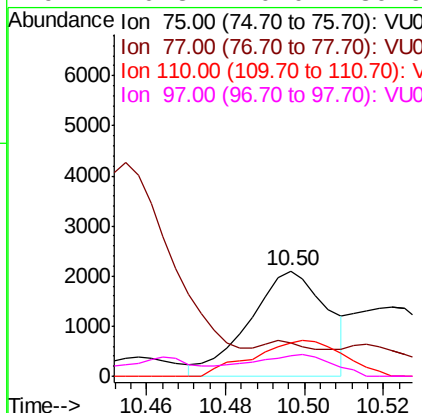
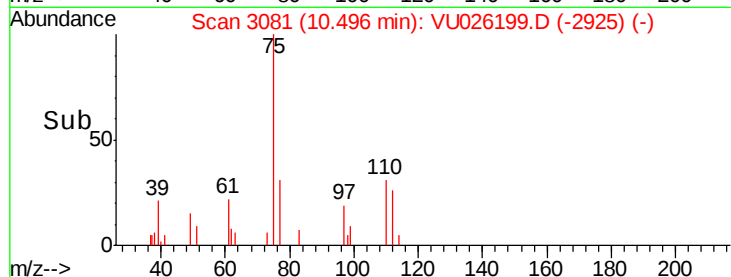
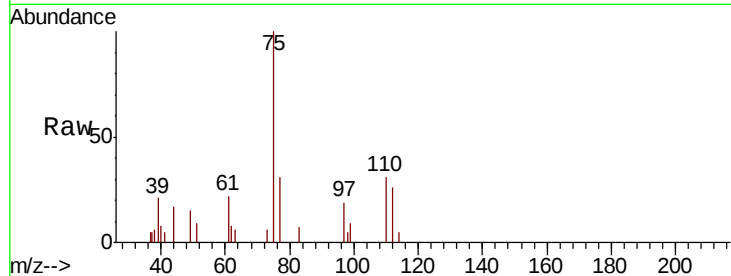
#71
 1,2,3-Trichloropropane
 Concen: 0.45 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	39.0	0.0	74.0
97	20.3	0.0	39.6

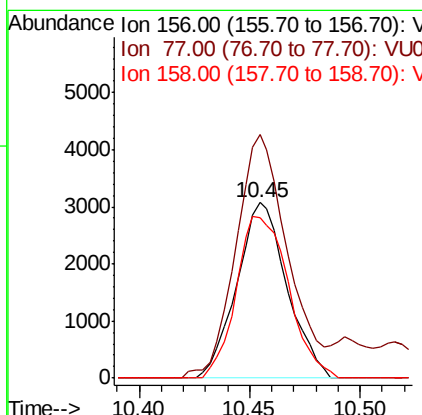
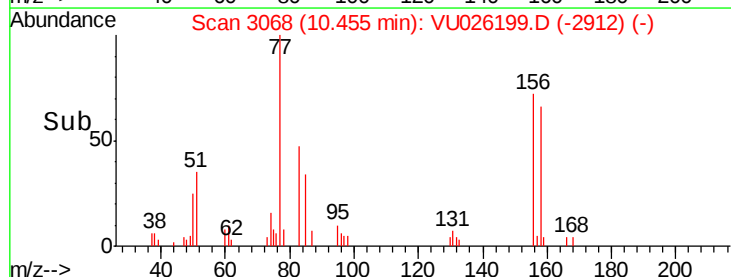
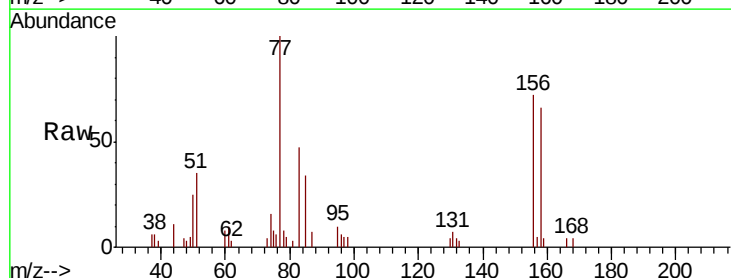
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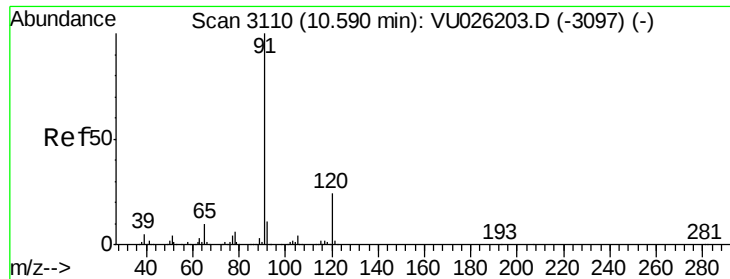
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#72
 Bromobenzene
 Concen: 0.44 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Tgt Ion	Ratio	Lower	Upper
156	100		
77	143.4	0.0	309.8
158	96.2	0.0	193.0





#73

n-propylbenzene

Concen: 0.36 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:120 Resp: 4256

Ion Ratio Lower Upper

120 100

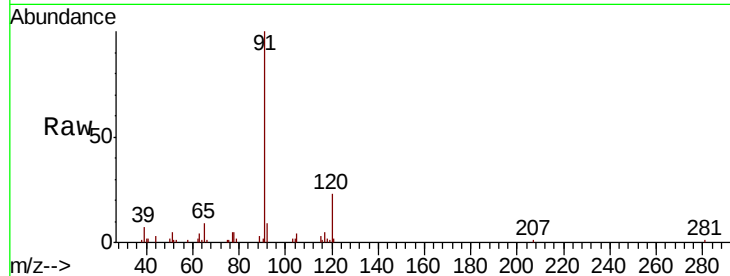
91 437.5 352.2 528.4

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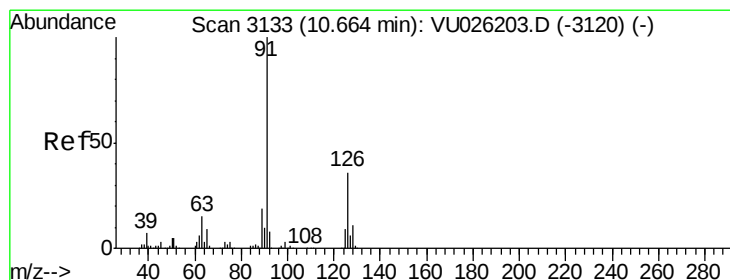
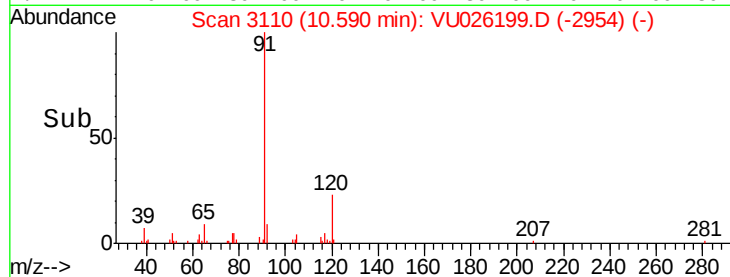
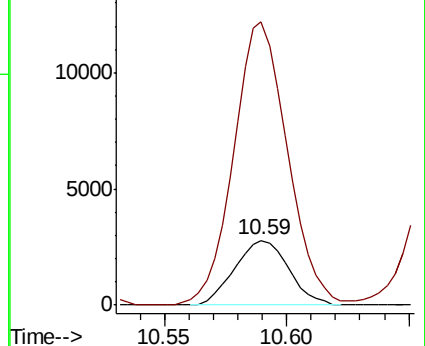
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.38 ug/l

RT: 10.66 min Scan# 3132

Delta R.T. -0.00 min

Lab File: VU026199.D

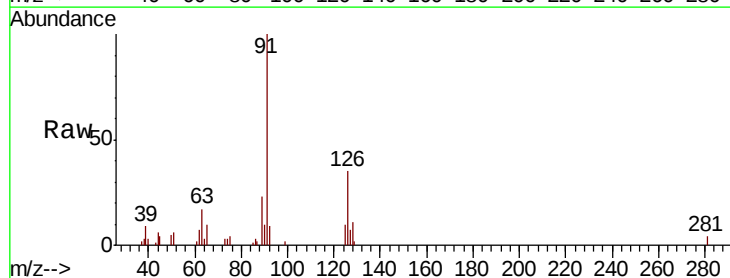
Acq: 20 Aug 2018 11:12

Tgt Ion:126 Resp: 4026

Ion Ratio Lower Upper

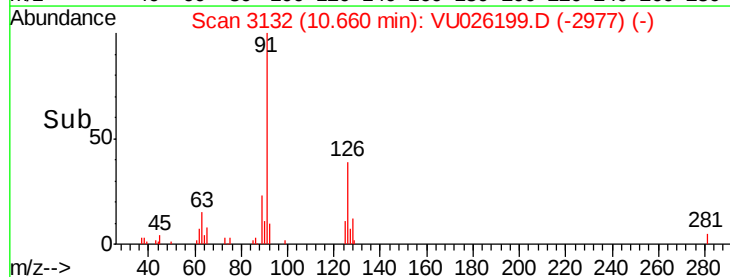
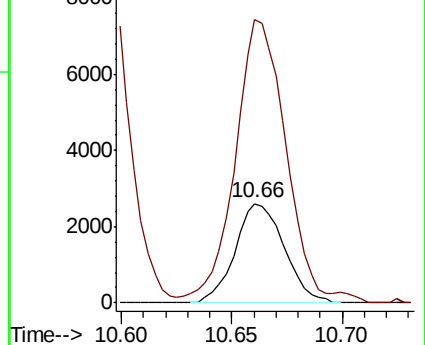
126 100

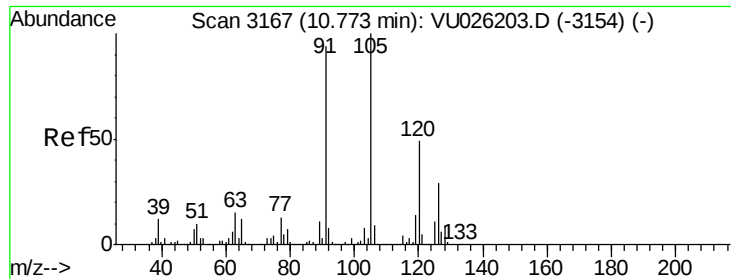
91 296.8 0.0 613.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.34 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 12586

Ion Ratio Lower Upper

105 100

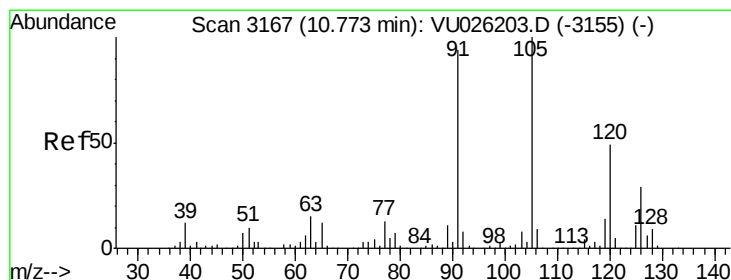
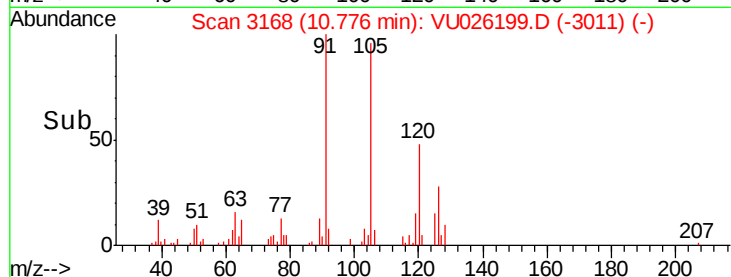
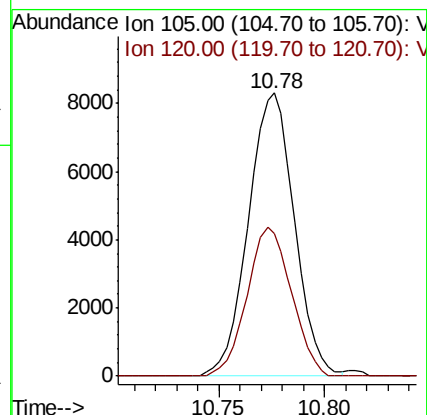
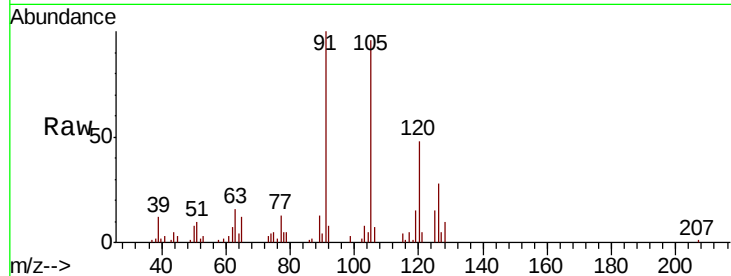
120 50.9 39.0 58.6

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#76

4-Chlorotoluene

Concen: 0.36 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026199.D

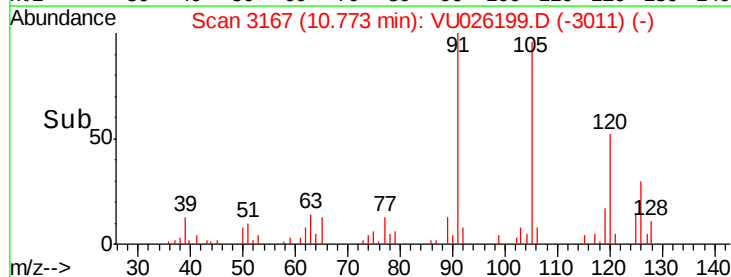
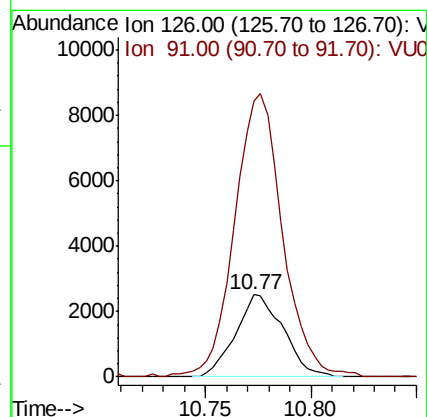
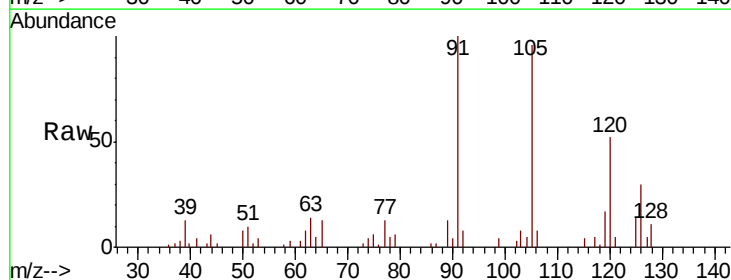
Acq: 20 Aug 2018 11:12

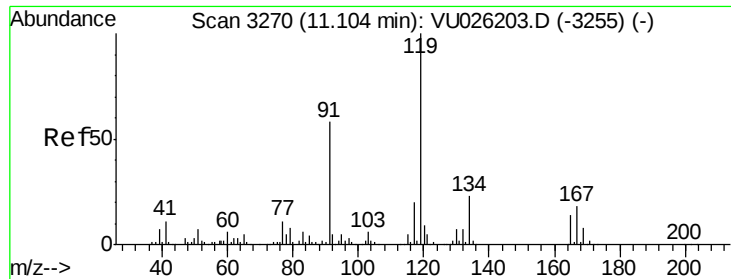
Tgt Ion:126 Resp: 3955

Ion Ratio Lower Upper

126 100

91 346.2 0.0 667.2





#77

tert-Butylbenzene

Concen: 0.38 ug/l

RT: 11.10 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

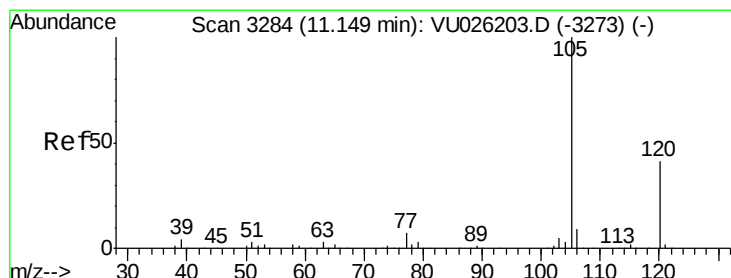
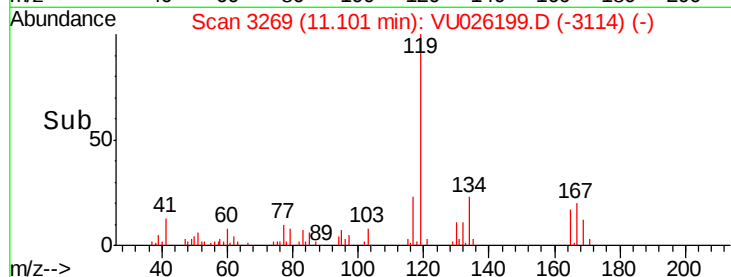
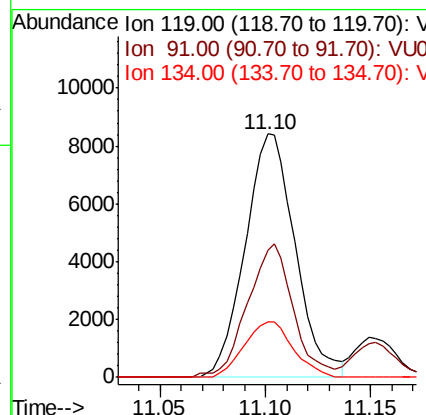
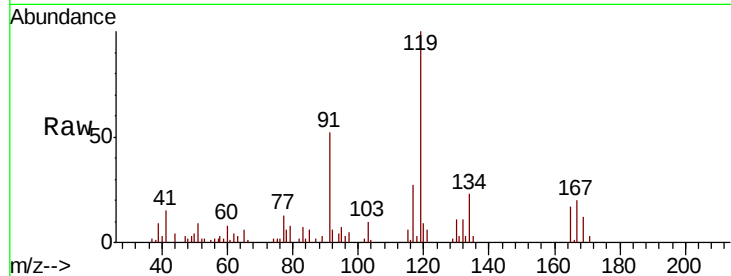
ClientSampleId :

VSTDIC0.5

Tot Ion:	119	Resp:	13918
Ion Ratio	Lower	Upper	
119	100		
91	49.8	29.6	88.8
134	22.3	19.1	28.7

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#78

1,2,4-Trimethylbenzene

Concen: 0.35 ug/l

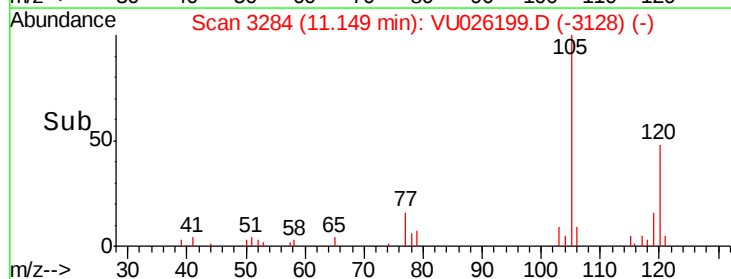
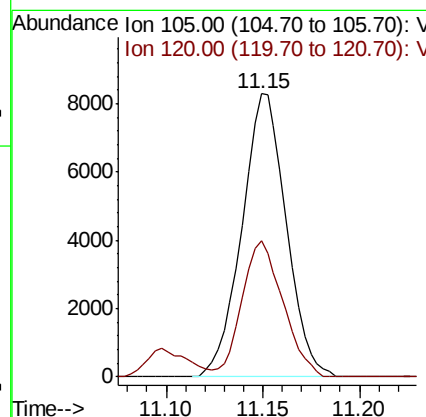
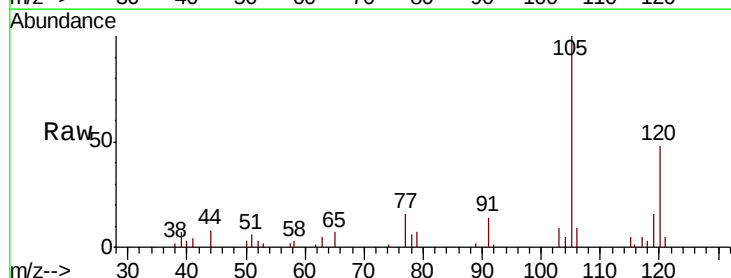
RT: 11.15 min Scan# 3284

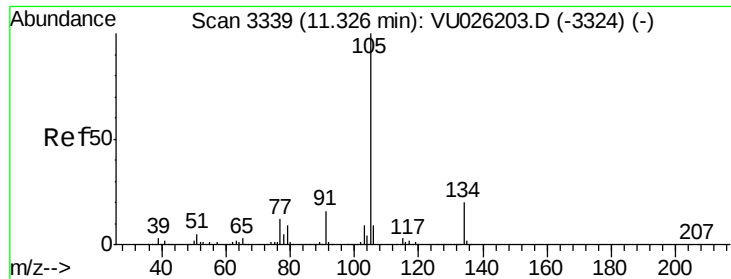
Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Tgt Ion:	105	Resp:	13199
Ion Ratio	Lower	Upper	
105	100		
120	44.4	23.1	69.3





#79

sec-Butylbenzene

Concen: 0.35 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 17026

Ion Ratio Lower Upper

105 100

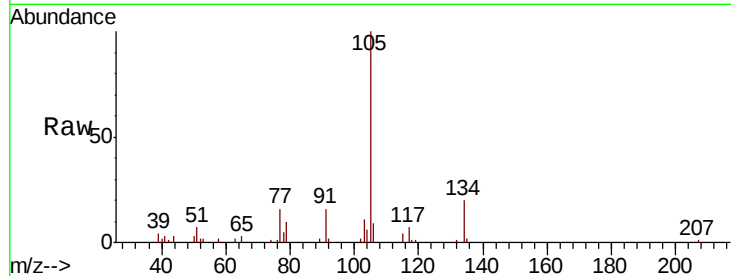
134 18.8 15.6 23.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

12000

10000

8000

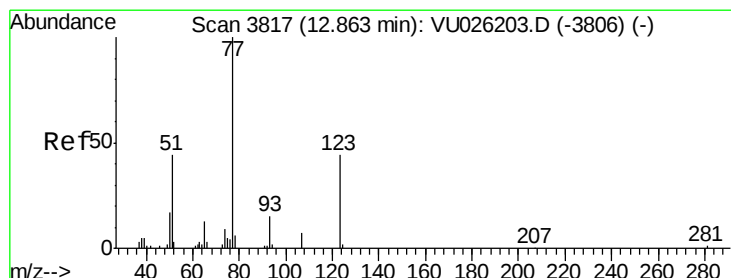
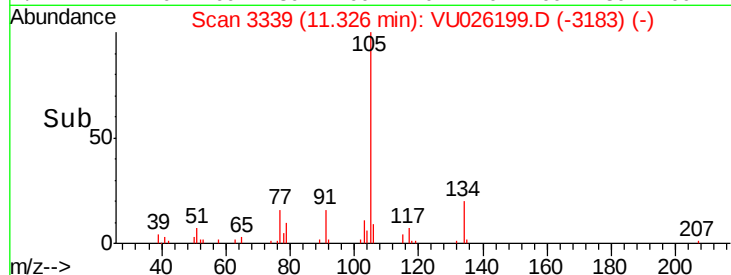
6000

4000

2000

0

Time--> 11.25 11.30 11.35



#80

Nitrobenzene

Concen: 3.94 ug/l m

RT: 12.87 min Scan# 3819

Delta R.T. 0.01 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

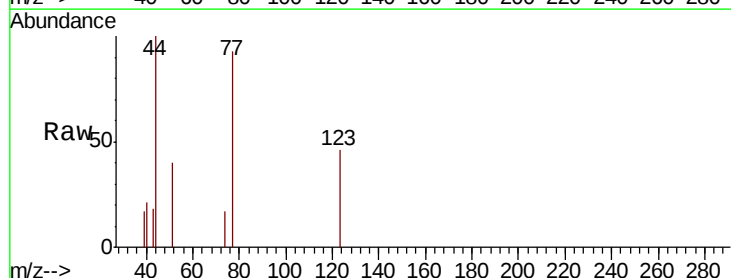
Tgt Ion: 77 Resp: 983

Ion Ratio Lower Upper

77 100

123 44.0 19.4 68.6

65 0.0 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

12.87

800

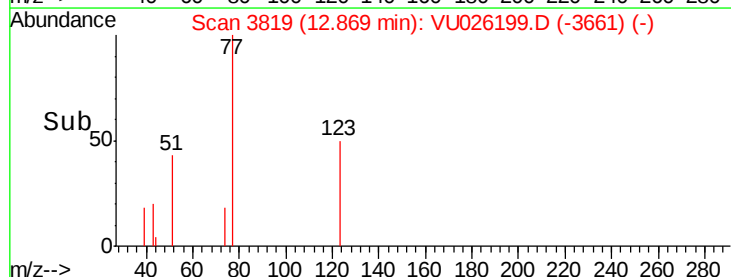
600

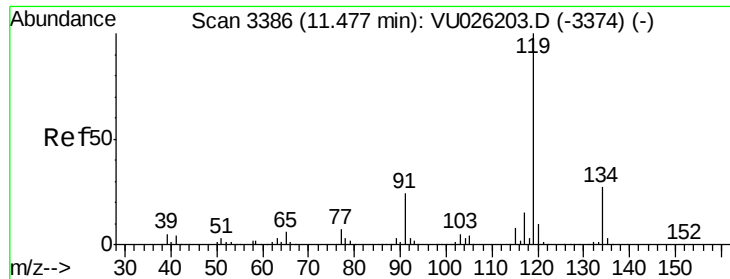
400

200

0

Time--> 12.80 12.85 12.90





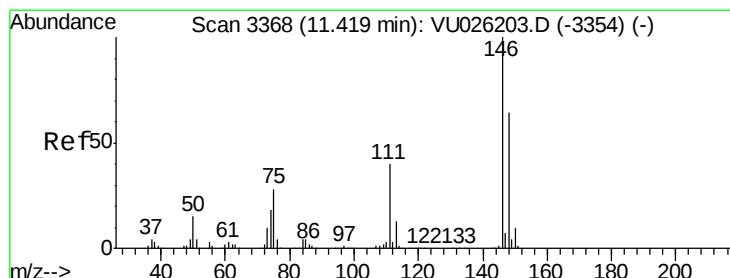
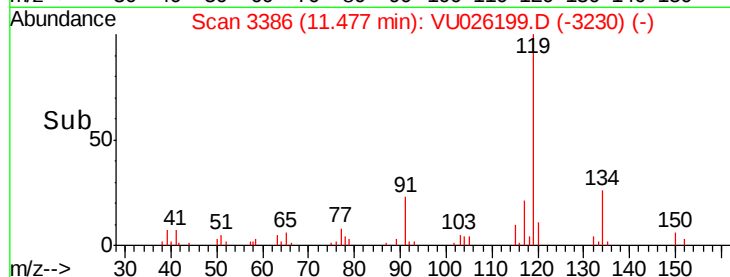
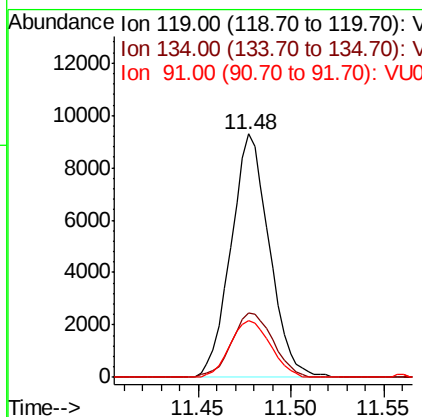
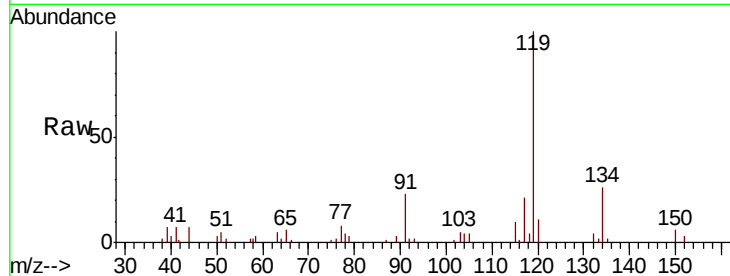
#81
 p-Isopropyltoluene
 Concen: 0.33 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.6	20.9	31.3
91	24.5	18.2	27.2

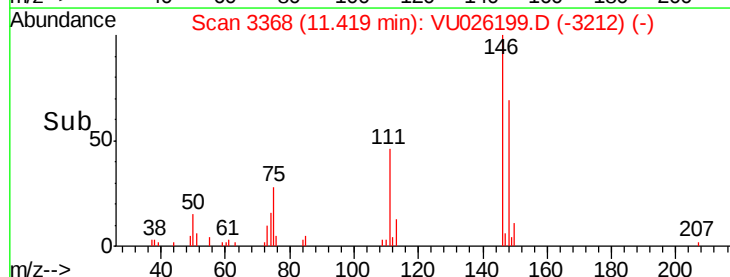
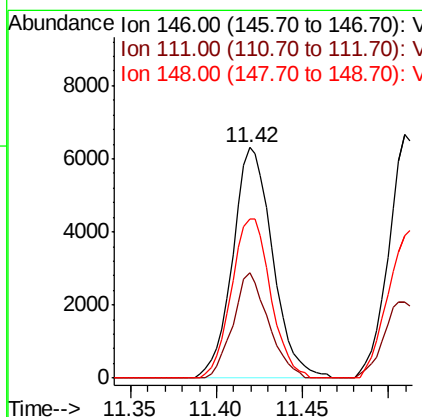
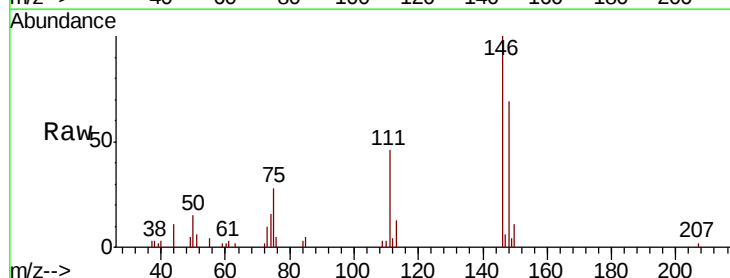
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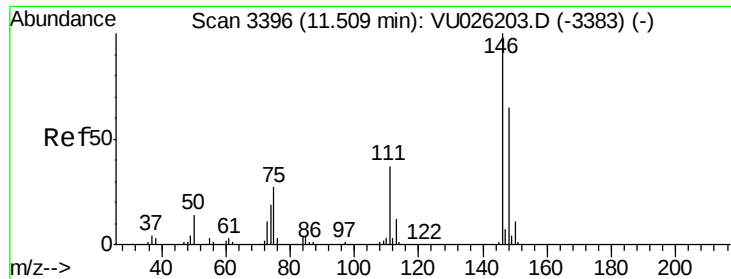
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#82
 1,3-Dichlorobenzene
 Concen: 0.45 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	31.8	47.6
148	67.7	51.0	76.4





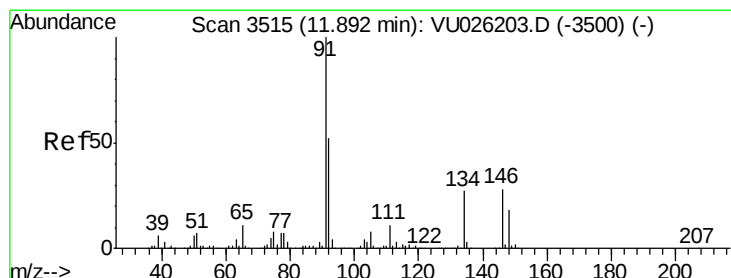
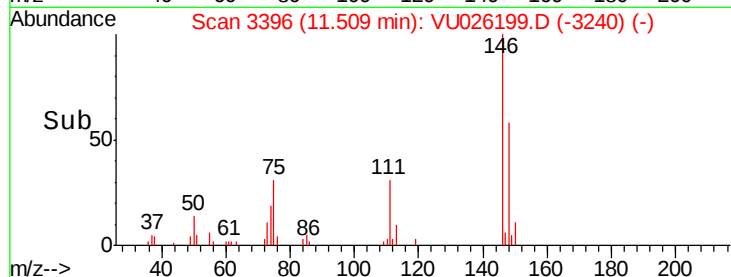
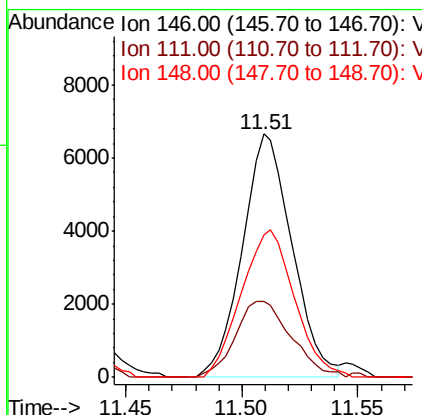
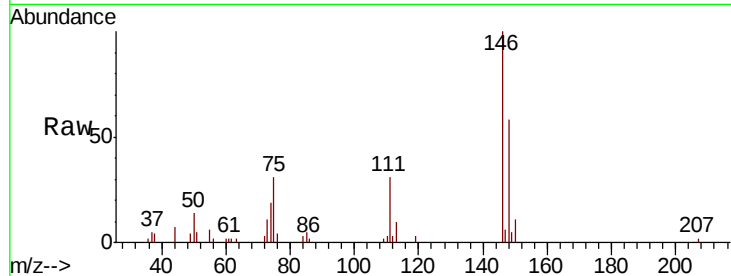
#83
 1,4-Dichlorobenzene
 Concen: 0.45 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.0	30.1	45.1
148	64.8	50.6	76.0

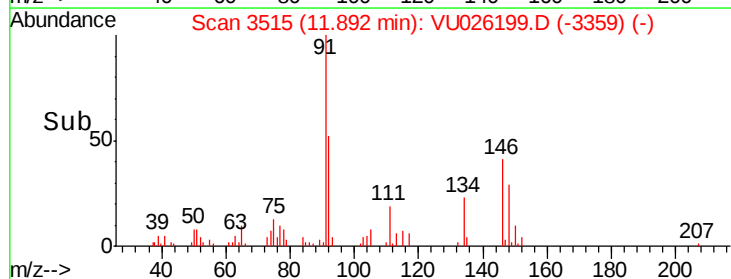
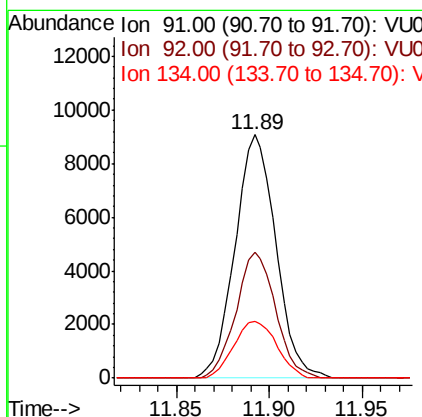
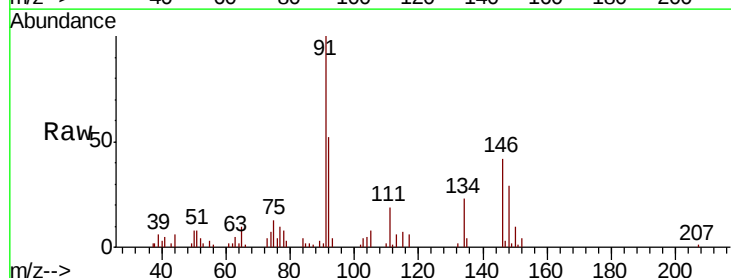
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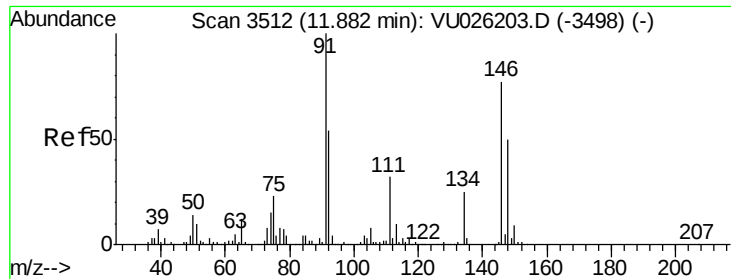
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#84
 n-Butylbenzene
 Concen: 0.36 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.2	42.2	63.2
134	24.6	20.3	30.5





#85

1,2-Dichlorobenzene

Concen: 0.47 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Instrument :

MSVOA_U

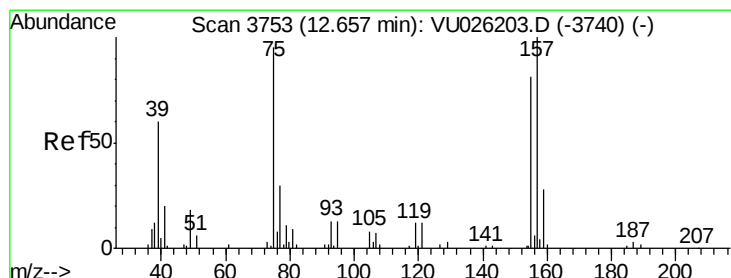
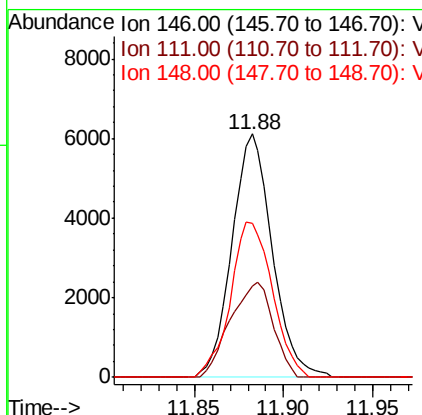
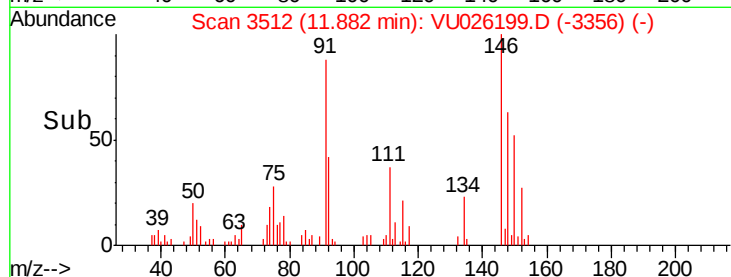
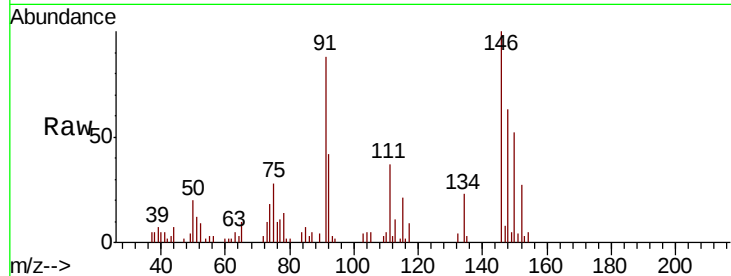
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	9641
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.7	62.1
148	66.1	31.9	95.5

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#86

1,2-Dibromo-3-Chloropropane

Concen: 0.58 ug/l

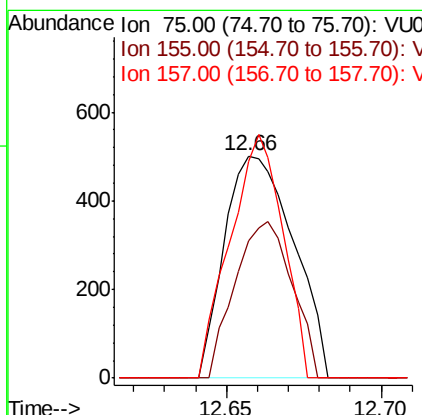
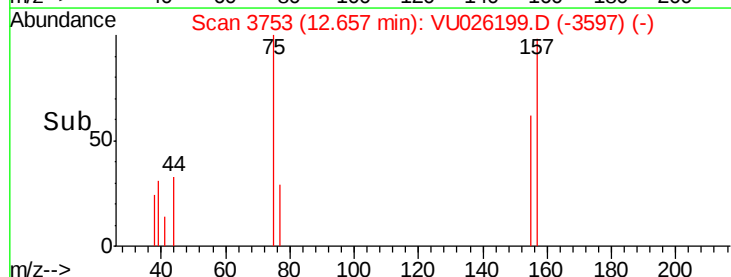
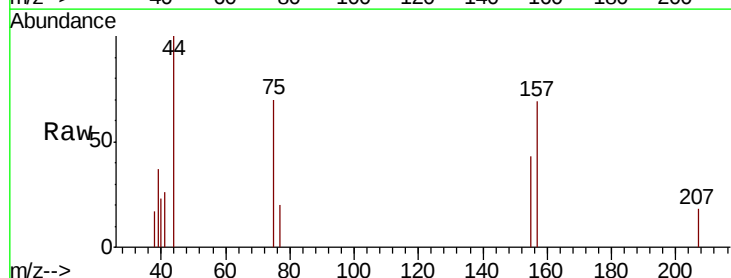
RT: 12.66 min Scan# 3753

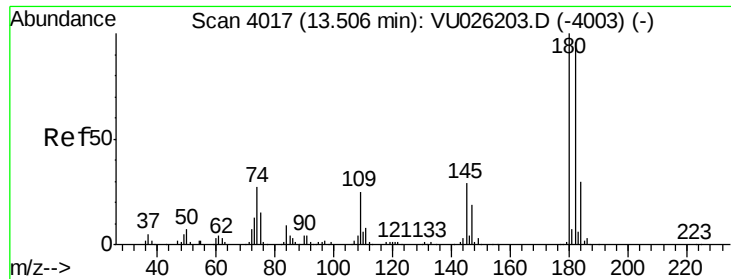
Delta R.T. 0.00 min

Lab File: VU026199.D

Acq: 20 Aug 2018 11:12

Tgt Ion:	75	Resp:	779
Ion Ratio	Lower	Upper	
75	100		
155	58.5	65.8	98.6#
157	83.8	83.5	125.3





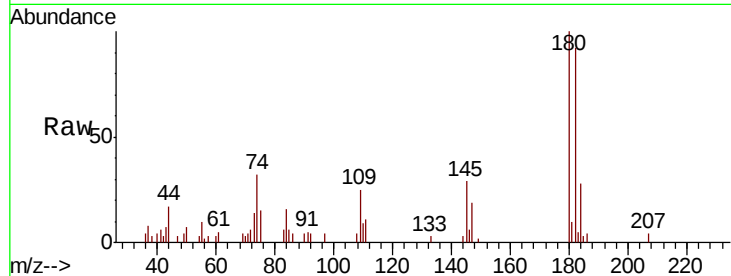
#87
 1,2,4-Trichlorobenzene
 Concen: 0.45 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

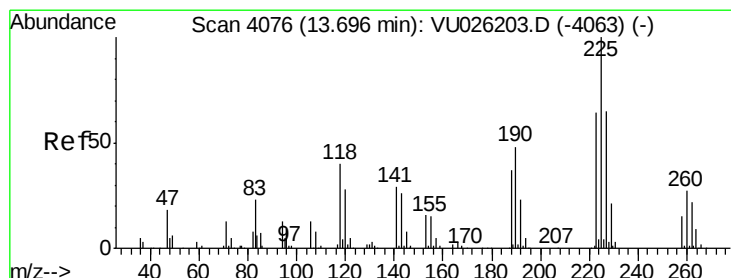
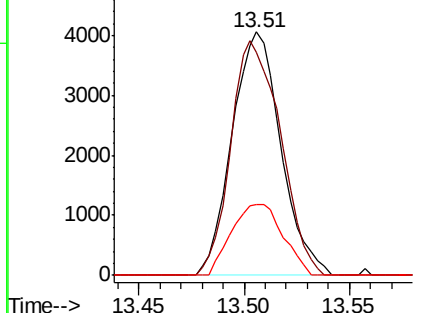
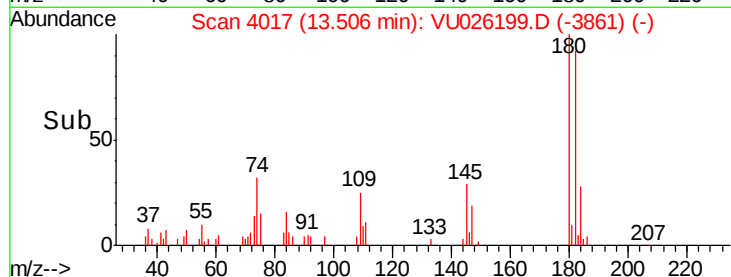
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.1	115.7
145	30.5	23.3	34.9

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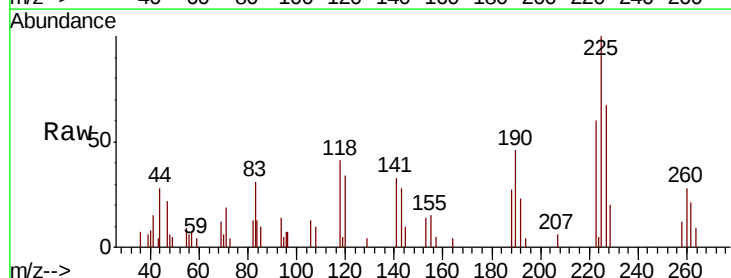


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

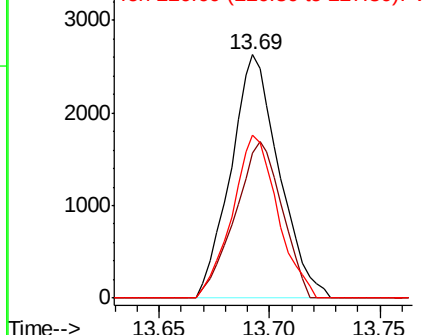
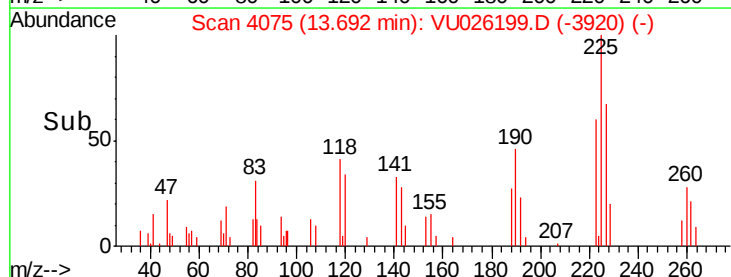


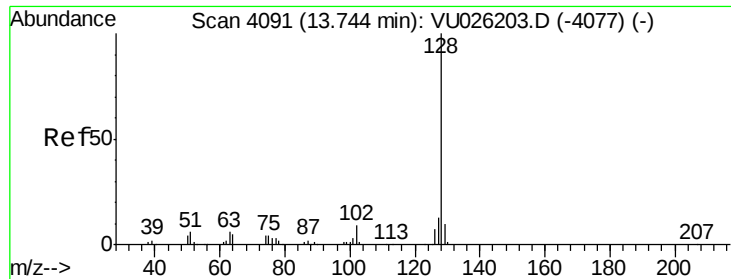
#88
 Hexachlorobutadiene
 Concen: 0.45 ug/l
 RT: 13.69 min Scan# 4075
 Delta R.T. -0.00 min
 Lab File: VU026199.D
 Acq: 20 Aug 2018 11:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.6	75.8
227	62.9	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





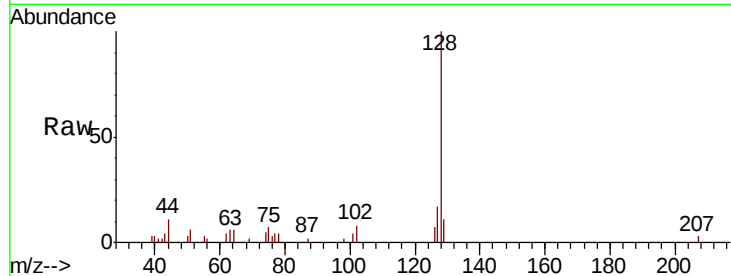
#89
Naphthalene
Concen: 0.42 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.3	8.7	13.1

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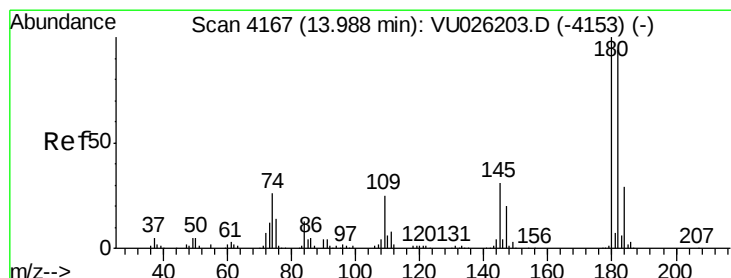
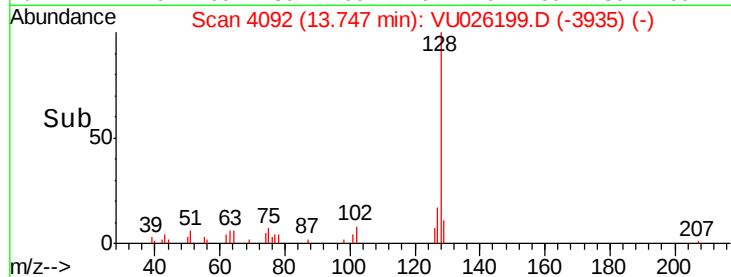
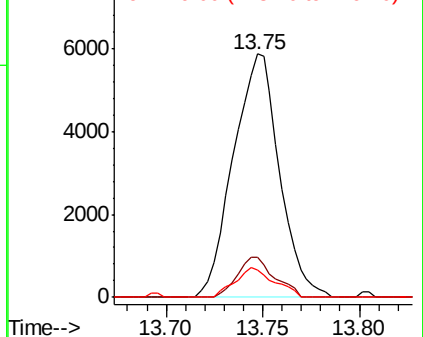


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 0.47 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU026199.D
Acq: 20 Aug 2018 11:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.8	115.2
145	30.0	24.6	36.8

Abundance

Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

