

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010319\
 Data File : VU028999.D
 Acq On : 03 Jan 2019 15:54
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 9:51:12 AM

Quant Time: Jan 04 01:08:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 00:41:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	132789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	216488	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	198634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	92439	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	8286	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	
35) Dibromofluoromethane	4.88	113	7136	5.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.18%	
50) Toluene-d8	7.56	98	26987	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
62) 4-Bromofluorobenzene	10.31	95	9038	4.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.08%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	6072	4.611 ug/l	93
3) Chloromethane	1.33	50	11401	4.838 ug/l	98
4) Vinyl Chloride	1.40	62	9192	4.737 ug/l	100
5) Bromomethane	1.60	94	6445	5.547 ug/l	98
6) Chloroethane	1.68	64	5763	4.986 ug/l	94
7) Trichlorofluoromethane	1.87	101	10727	5.073 ug/l	99
8) Diethyl Ether	2.10	74	4912	4.835 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	7114	5.028 ug/l	98
10) Methyl Iodide	2.40	142	6266	4.710 ug/l	97
11) Tert butyl alcohol	2.83	59	11438	27.413 ug/l #	94
12) 1,1-Dichloroethene	2.28	96	6854	4.977 ug/l	98
13) Acrolein	2.19	56	8630	27.544 ug/l	99
14) Allyl chloride	2.59	41	13132	5.197 ug/l	98
15) Acrylonitrile	2.94	53	24709	24.138 ug/l	99
16) Acetone	2.32	43	27872	26.953 ug/l	99
17) Carbon Disulfide	2.47	76	24536	4.788 ug/l	100
18) Methyl Acetate	2.62	43	11571	4.812 ug/l	99
19) Methyl tert-butyl Ether	3.00	73	23314	4.815 ug/l	99
20) Methylene Chloride	2.70	84	8722	4.968 ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	7837	4.898 ug/l	98
22) Diisopropyl ether	3.57	45	24259	4.857 ug/l #	88
23) Vinyl Acetate	3.52	43	97827	23.961 ug/l	99
24) 1,1-Dichloroethane	3.44	63	14450	5.012 ug/l	97
25) 2-Butanone	4.27	43	34645	24.805 ug/l	100
26) 2,2-Dichloropropane	4.22	77	11502	4.937 ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	8468	4.839 ug/l	97
28) Bromochloromethane	4.55	49	5944	4.815 ug/l #	97
29) Tetrahydrofuran	4.64	42	20893	24.663 ug/l	97
30) Chloroform	4.67	83	13718	4.996 ug/l	98
31) Cyclohexane	4.99	56	15558	4.876 ug/l #	79
32) 1,1,1-Trichloroethane	4.91	97	11202	4.937 ug/l	99
36) 1,1-Dichloropropene	5.13	75	10741	4.964 ug/l	98
37) Ethyl Acetate	4.39	43	10970	4.435 ug/l #	91
38) Carbon Tetrachloride	5.13	117	8923	4.944 ug/l	95

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 ALS Vial : 10 Sample Multiplier: 1

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 00:41:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	12301	4.624	ug/l	95
40) Benzene	5.39	78	33404	4.949	ug/l	100
41) Methacrylonitrile	4.55	41	5962	4.689	ug/l	98
42) 1,2-Dichloroethane	5.40	62	10307	5.082	ug/l	99
43) Isopropyl Acetate	5.55	43	17284	4.744	ug/l	98
44) Trichloroethene	6.18	130	7694	4.601	ug/l	85
45) 1,2-Dichloropropane	6.43	63	8588	4.818	ug/l	99
46) Dibromomethane	6.56	93	5516	4.841	ug/l	99
47) Bromodichloromethane	6.75	83	10115	4.821	ug/l	98
48) Methyl methacrylate	6.63	41	8610	4.853	ug/l	97
49) 1,4-Dioxane	6.62	88	3999	95.113	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	57454	23.170	ug/l	100
52) Toluene	7.64	92	19997	4.867	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	11956	4.744	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	13187	4.842	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	8215	4.990	ug/l	96
56) Ethyl methacrylate	8.02	69	11843	4.670	ug/l	98
57) 1,3-Dichloropropane	8.24	76	13488	4.788	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	26097	23.399	ug/l	99
59) 2-Hexanone	8.36	43	46480	23.879	ug/l	99
60) Dibromochloromethane	8.48	129	7693	4.717	ug/l	97
61) 1,2-Dibromoethane	8.58	107	8406	4.708	ug/l	99
64) Tetrachloroethene	8.23	164	6946	4.854	ug/l	95
65) Chlorobenzene	9.12	112	22282	5.004	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	7170	4.962	ug/l	97
67) Ethyl Benzene	9.25	91	35910	4.831	ug/l	98
68) m/p-Xylenes	9.37	106	27710	9.594	ug/l	98
69) o-Xylene	9.78	106	13574	4.877	ug/l	97
70) Styrene	9.79	104	21022	4.608	ug/l	98
71) Bromoform	9.96	173	5981	4.649	ug/l #	99
73) Isopropylbenzene	10.16	105	35157	5.138	ug/l	100
74) N-amyl acetate	10.01	43	14246	4.832	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	14121	5.149	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	11401m	4.860	ug/l	
77) Bromobenzene	10.45	156	9055	5.078	ug/l	98
78) n-propylbenzene	10.58	91	39010	4.838	ug/l	99
79) 2-Chlorotoluene	10.66	91	24702	5.050	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	28254	4.945	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	4333m	3.875	ug/l	
82) 4-Chlorotoluene	10.77	91	27668	4.933	ug/l	98
83) tert-Butylbenzene	11.10	119	27253	4.839	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	27445	4.811	ug/l	98
85) sec-Butylbenzene	11.32	105	33339	4.895	ug/l	99
86) p-Isopropyltoluene	11.48	119	27799	4.790	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	15594	4.768	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	16815	4.981	ug/l	95
89) n-Butylbenzene	11.89	91	23475	4.532	ug/l	98
90) Hexachloroethane	12.14	117	4870	4.988	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	16419	4.984	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	2505	4.749	ug/l	96

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MSVOA_U
ClientSampleId :
VSTDICC005

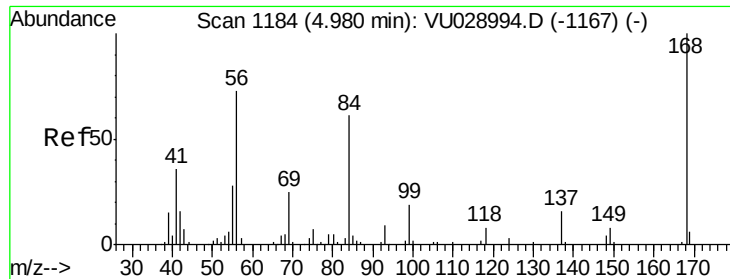
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Jan 04 00:41:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	8996	4.278	ug/l	100
94) Hexachlorobutadiene	13.69	225	4871	5.064	ug/l	94
95) Naphthalene	13.75	128	29676	4.149	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	9675	4.327	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 168 Resp: 132789

Ion Ratio Lower Upper

168 100

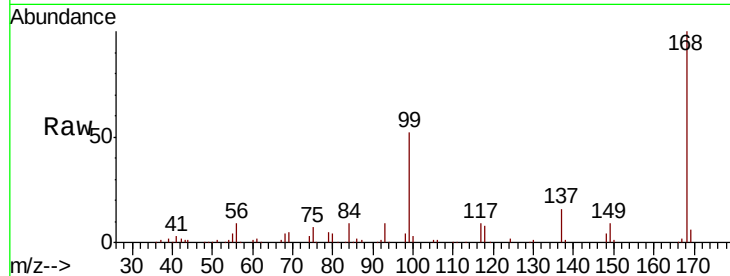
99 51.6 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU028999.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028999.D (-1167) (-)

4.98

60000

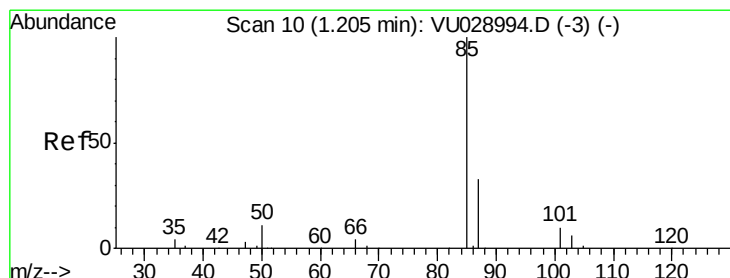
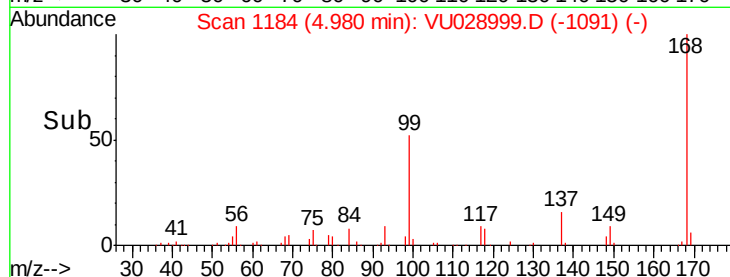
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 4.611 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU028999.D

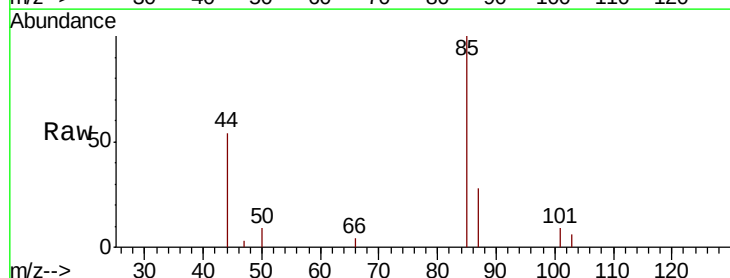
Acq: 03 Jan 2019 15:54

Tgt Ion: 85 Resp: 6072

Ion Ratio Lower Upper

85 100

87 28.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028999.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028999.D (-3) (-)

1.20

6000

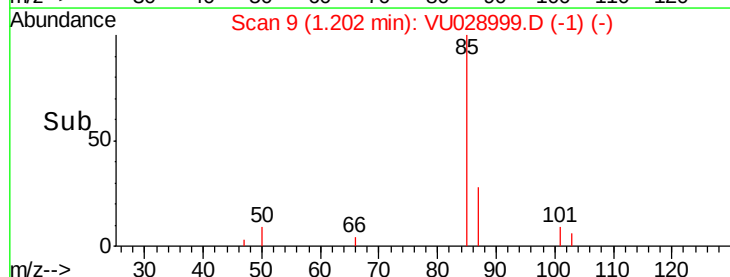
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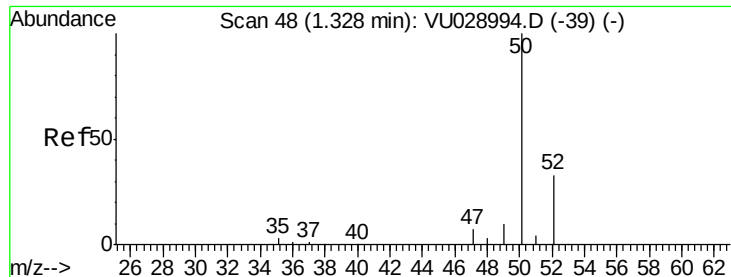
2000

0

1.18 1.20 1.22 1.24

Time-->





#3

Chloromethane

Concen: 4.838 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Tgt Ion: 50 Resp: 11401

Ion Ratio Lower Upper

50 100

52 34.0 26.1 39.1

Instrument :

MSVOA_U

ClientSampleId :

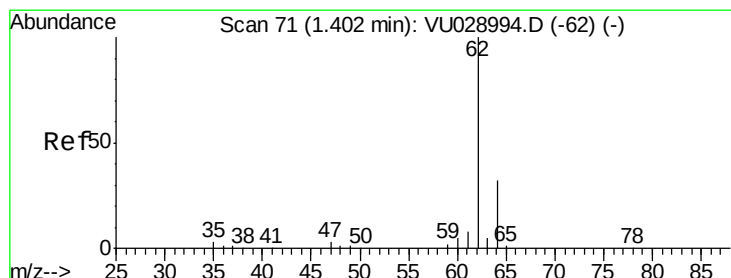
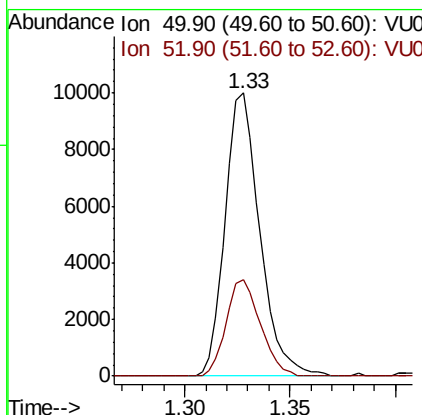
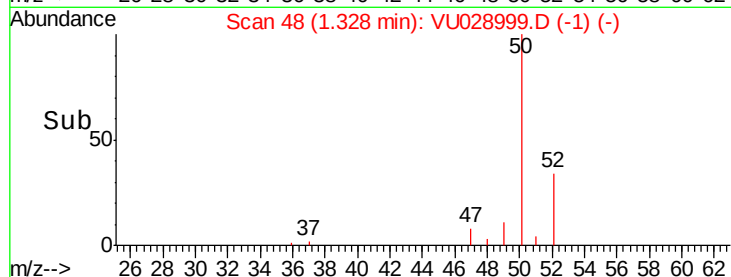
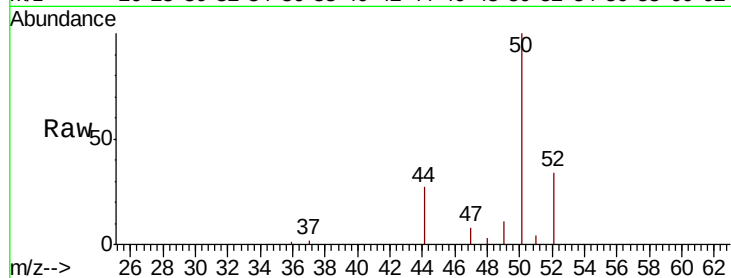
VSTDIC005

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.737 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028999.D

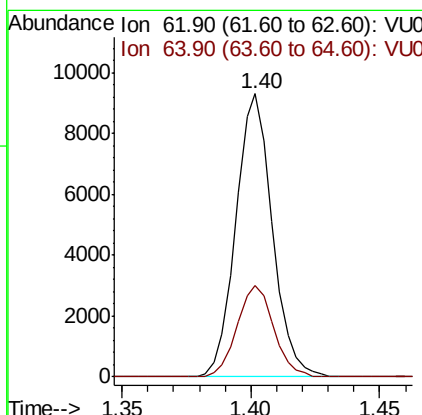
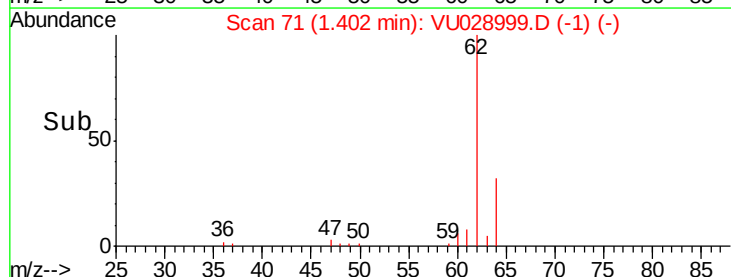
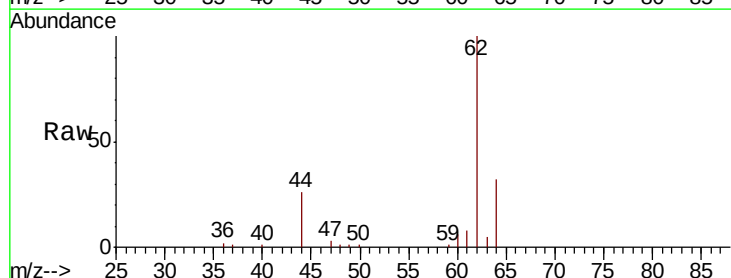
Acq: 03 Jan 2019 15:54

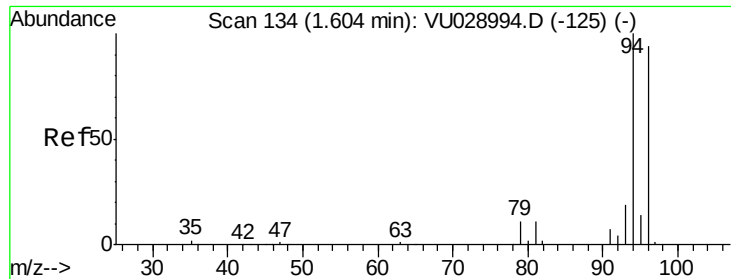
Tgt Ion: 62 Resp: 9192

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9





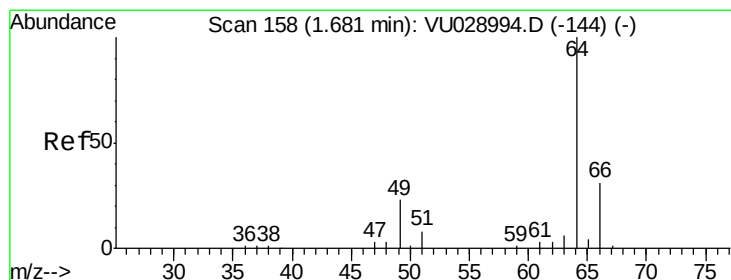
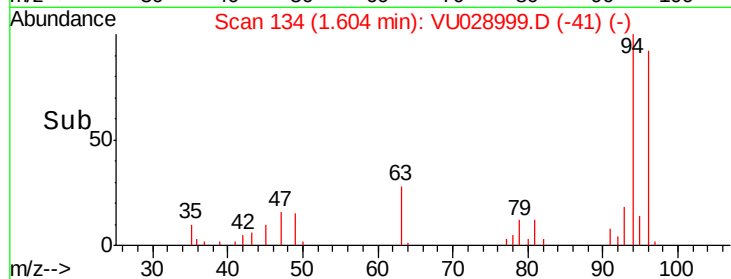
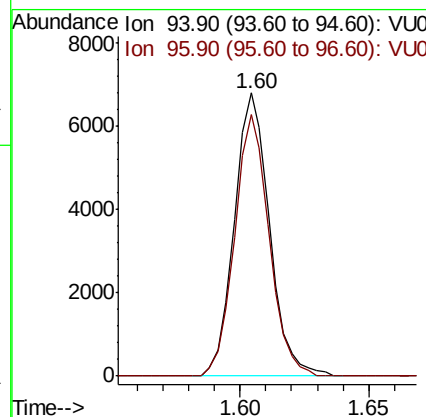
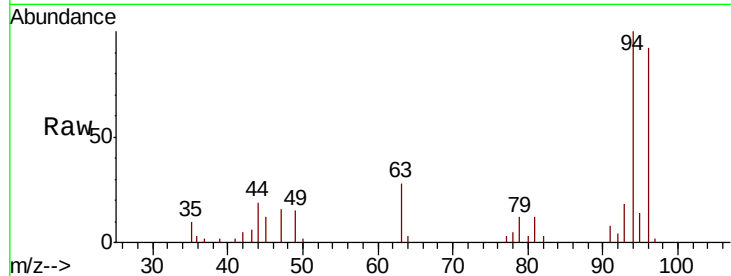
#5
Bromomethane
Concen: 5.547 ug/l
RT: 1.60 min Scan# 134
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 94 Resp: 6445
Ion Ratio Lower Upper
94 100
96 92.3 75.5 113.3

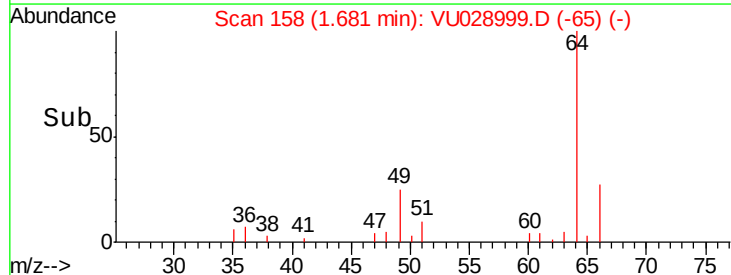
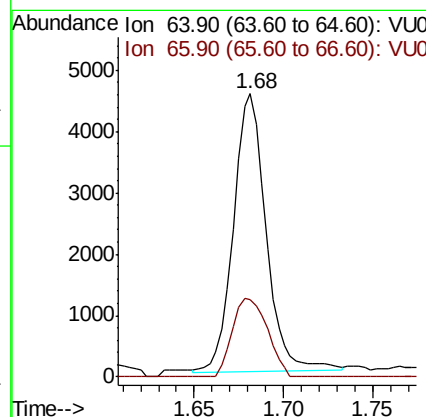
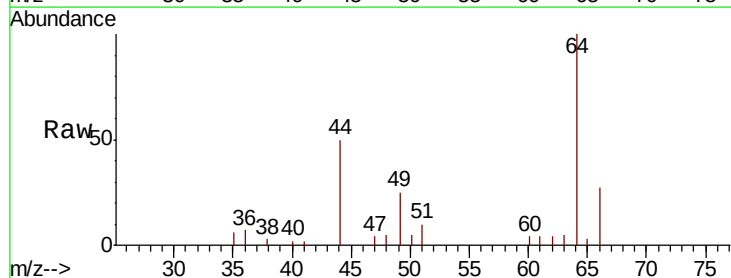
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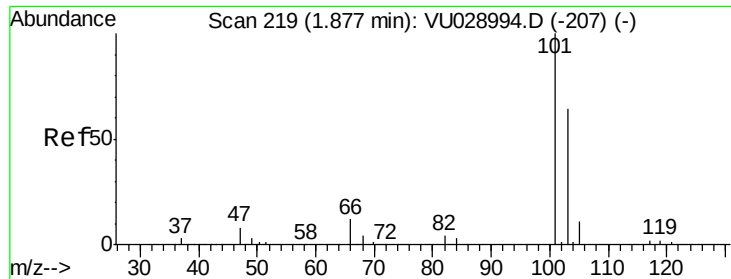
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#6
Chloroethane
Concen: 4.986 ug/l
RT: 1.68 min Scan# 158
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion: 64 Resp: 5763
Ion Ratio Lower Upper
64 100
66 28.2 25.2 37.8





#7

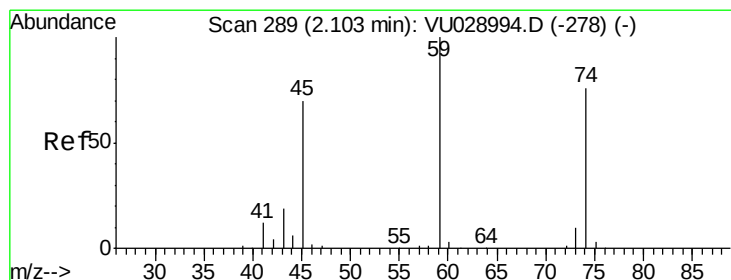
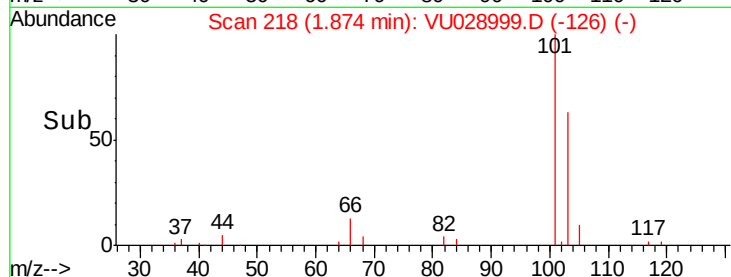
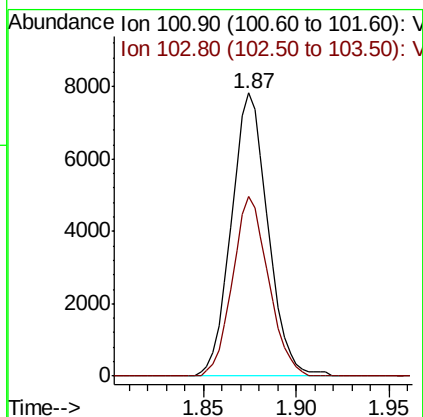
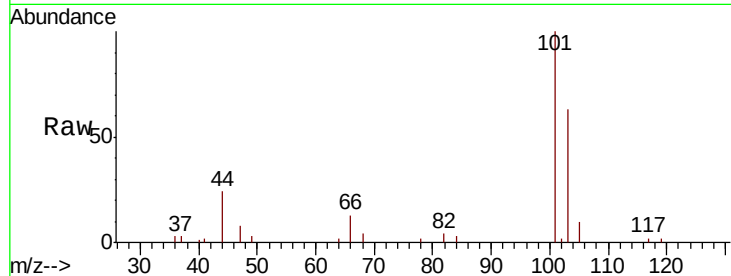
Trichlorofluoromethane
 Concen: 5.073 ug/l
 RT: 1.87 min Scan# 218
 Delta R.T. -0.00 min
 Lab File: VU028999.D
 Acq: 03 Jan 2019 15:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 101 Resp: 10727
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.5 77.3

Manual Integrations
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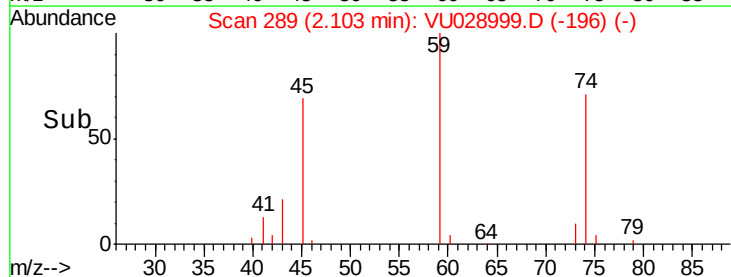
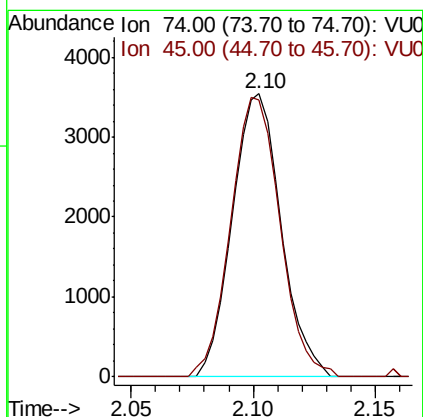
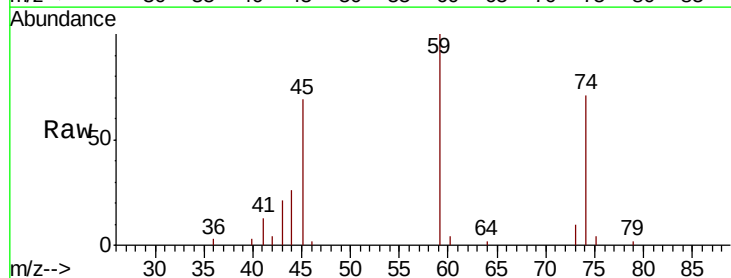
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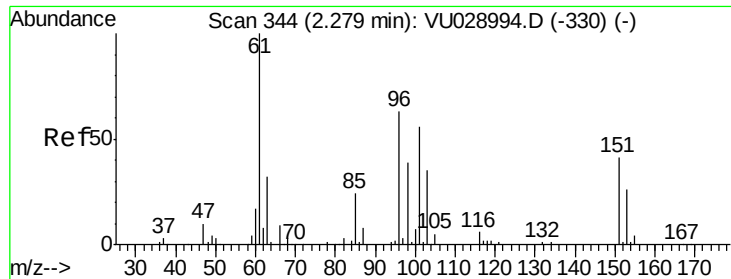


#8

Diethyl Ether
 Concen: 4.835 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU028999.D
 Acq: 03 Jan 2019 15:54

Tgt Ion: 74 Resp: 4912
 Ion Ratio Lower Upper
 74 100
 45 99.7 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.028 ug/l

RT: 2.28 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Instrument :

MSVOA_U

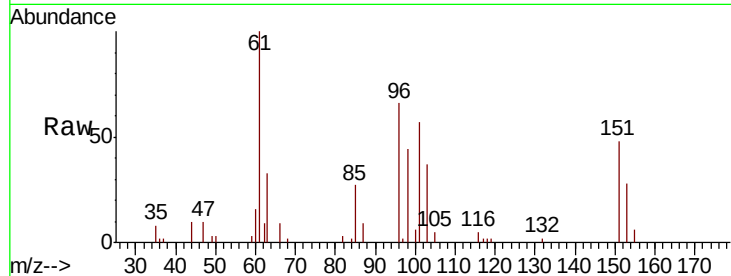
ClientSampleId :

VSTDIC005

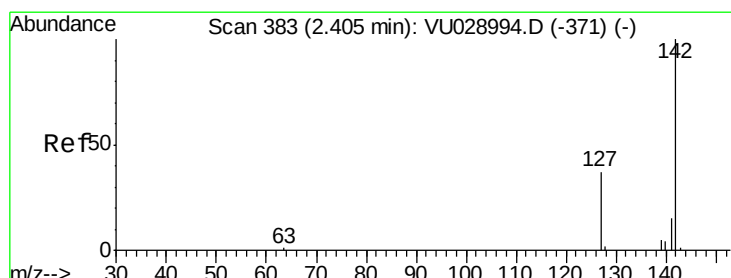
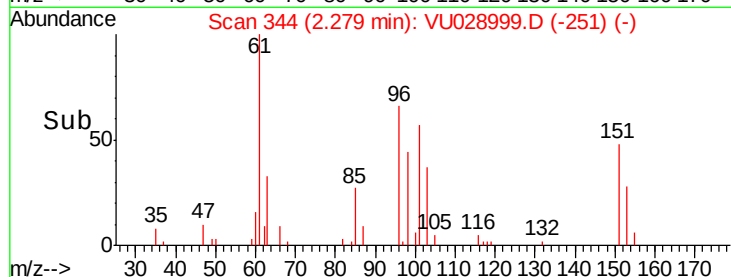
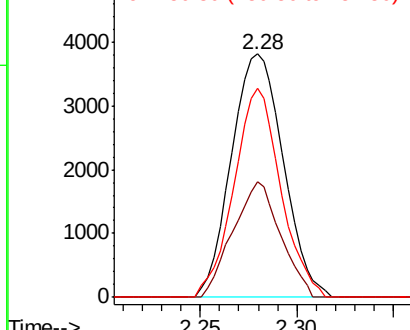
Tgt Ion:	101	Resp:	7114
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.1	52.7
151	77.2	60.2	90.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VU028999.D (-330) (-)
Ion 150.80 (150.50 to 151.50): VU028999.D (-330) (-)



#10

Methyl Iodide

Concen: 4.710 ug/l

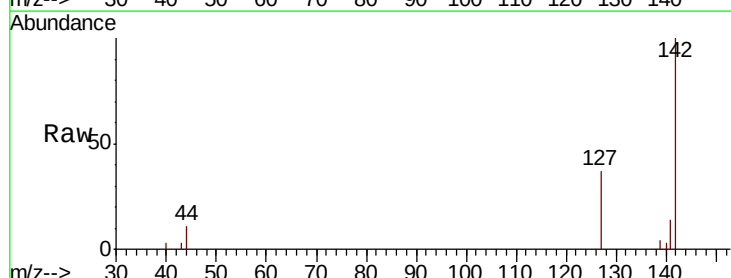
RT: 2.40 min Scan# 383

Delta R.T. 0.00 min

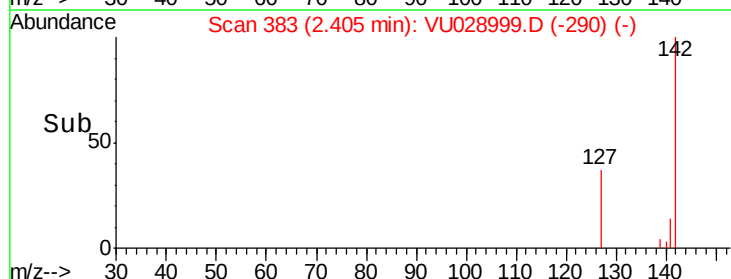
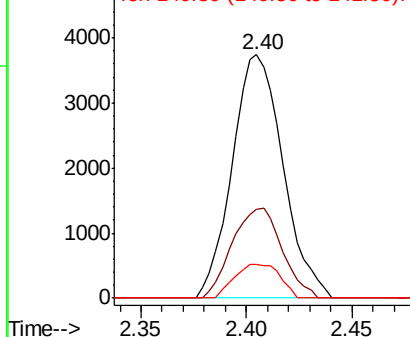
Lab File: VU028999.D

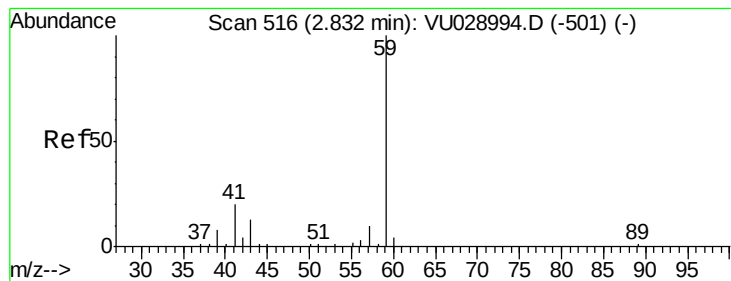
Acq: 03 Jan 2019 15:54

Tgt Ion:	142	Resp:	6266
Ion Ratio	Lower	Upper	
142	100		
127	36.1	29.8	44.6
141	12.4	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): VU028999.D (-371) (-)
Ion 140.80 (140.50 to 141.50): VU028999.D (-371) (-)





#11

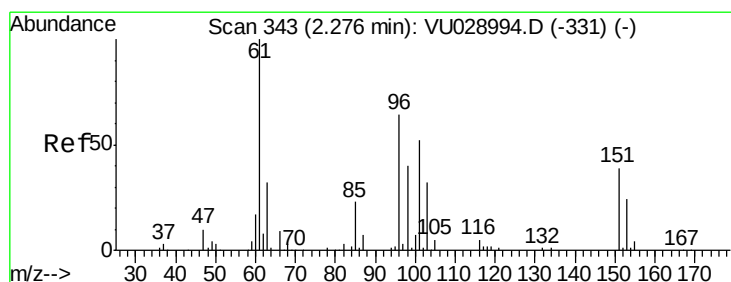
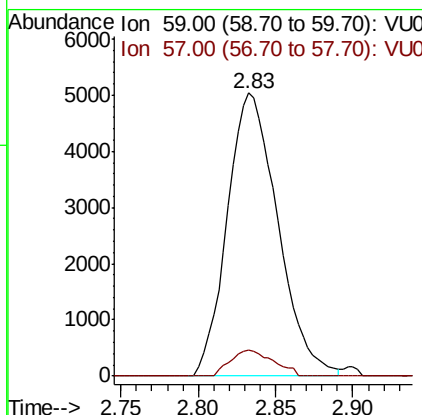
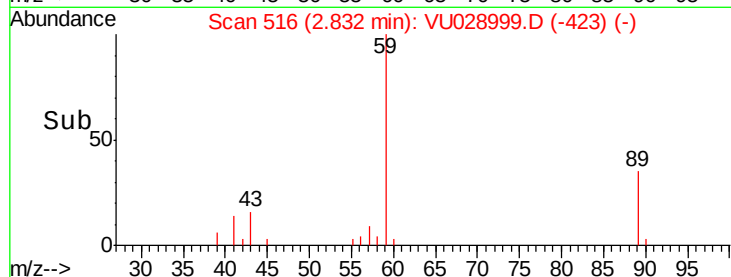
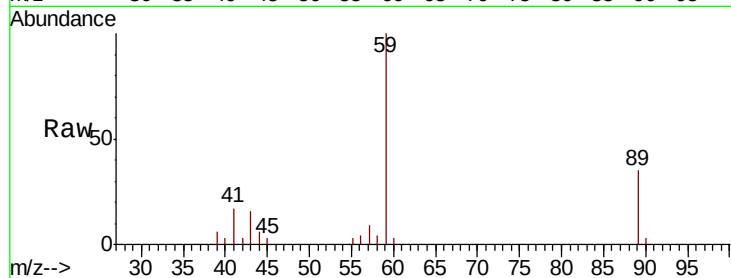
Tert butyl alcohol
Concen: 27.413 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.8	7.9	11.9#

Manual Integrations
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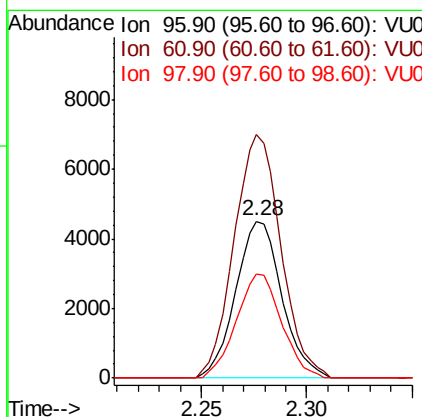
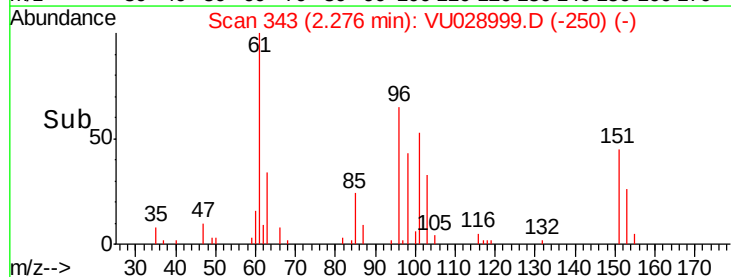
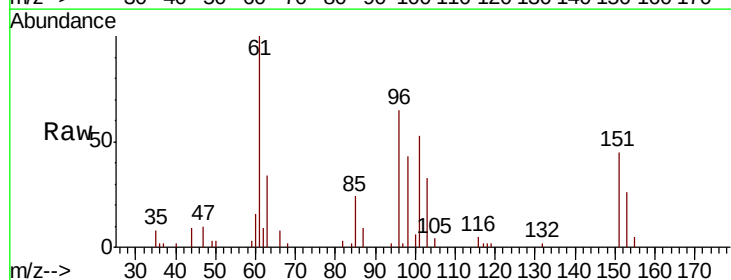
MMDadoda
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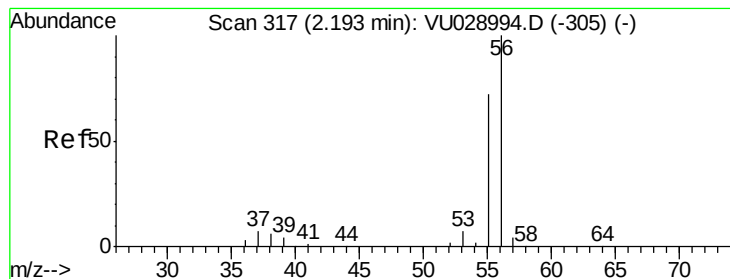


#12

1,1-Dichloroethene
Concen: 4.977 ug/l
RT: 2.28 min Scan# 343
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.0	125.4	188.0
98	66.0	49.7	74.5





#13

Acrolein

Concen: 27.544 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 8630

Ion Ratio Lower Upper

56 100

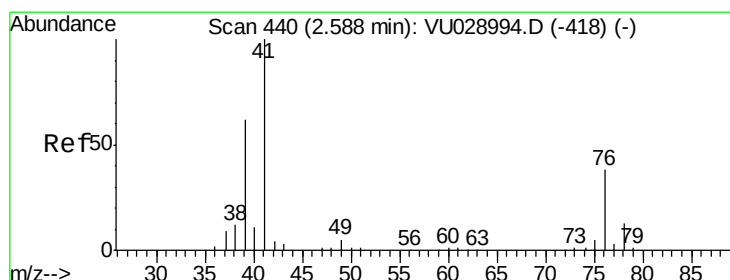
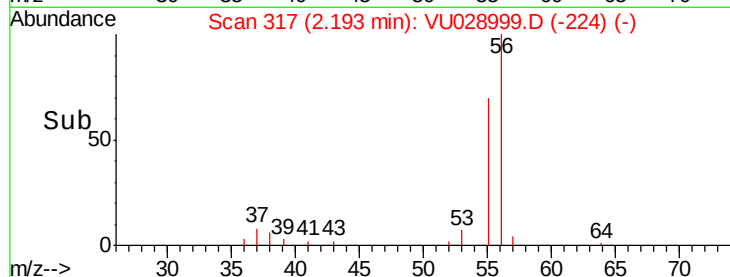
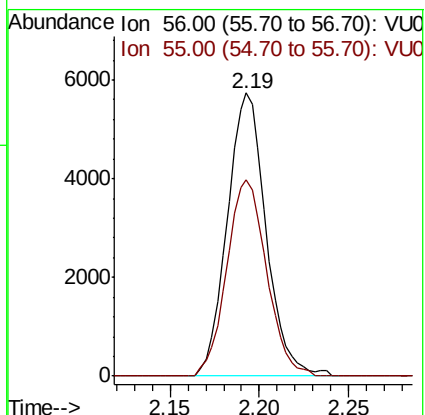
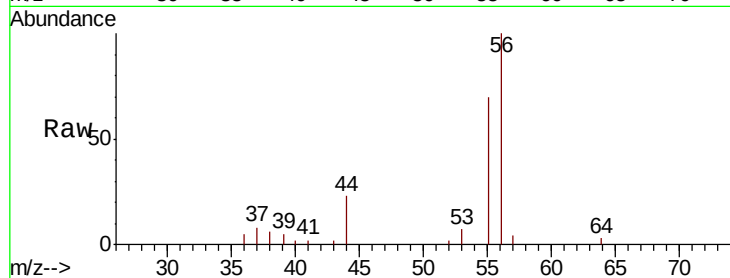
55 71.3 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 5.197 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

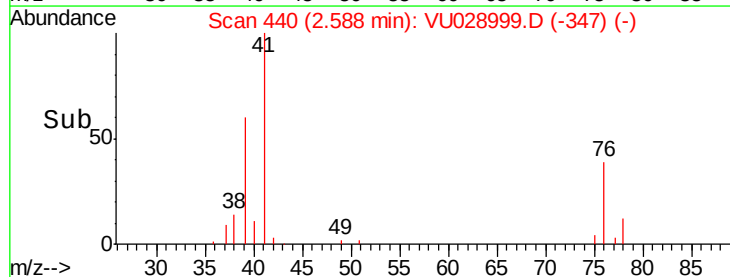
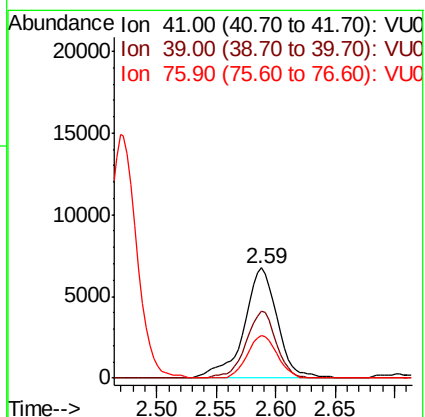
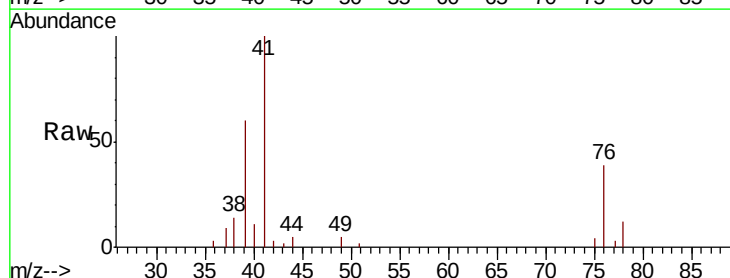
Tgt Ion: 41 Resp: 13132

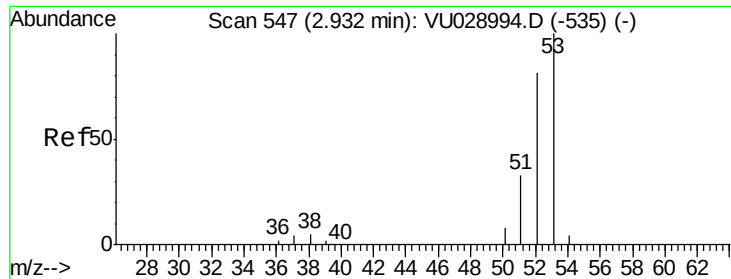
Ion Ratio Lower Upper

41 100

39 54.8 45.0 67.6

76 34.4 28.1 42.1





#15

Acrylonitrile

Concen: 24.138 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Instrument :

MSVOA_U

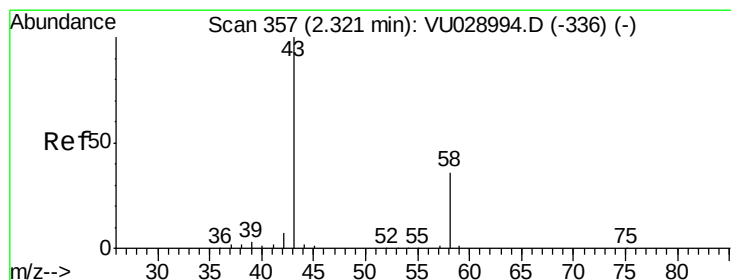
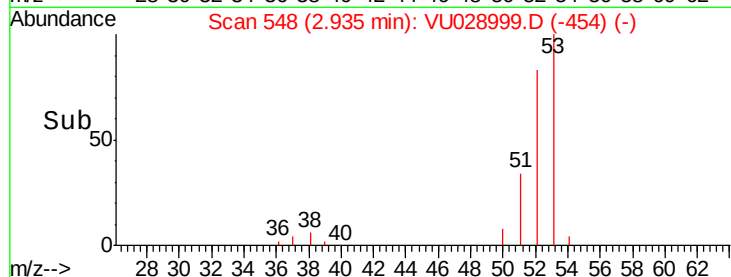
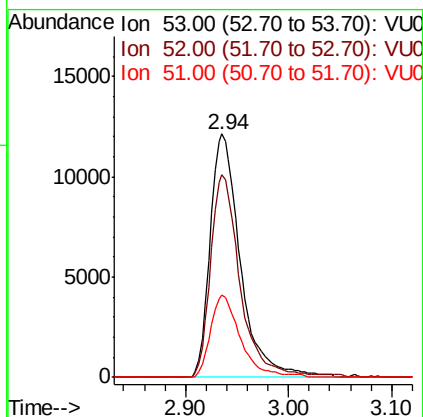
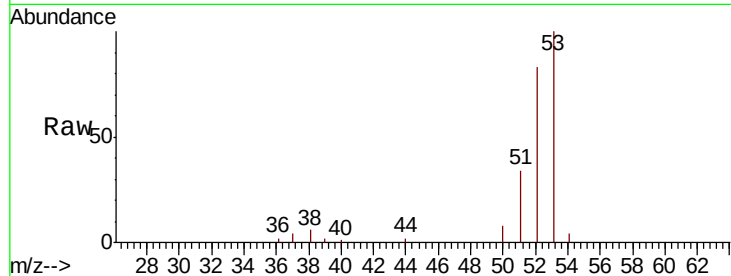
ClientSampleId :

VSTDIC005

Tgt Ion:	53	Resp:	24709
Ion	Ratio	Lower	Upper
53	100		
52	80.7	64.8	97.2
51	32.9	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 26.953 ug/l

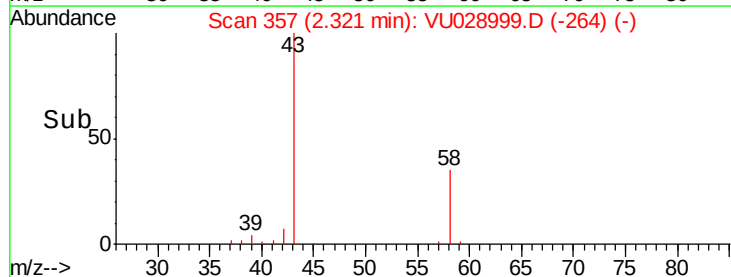
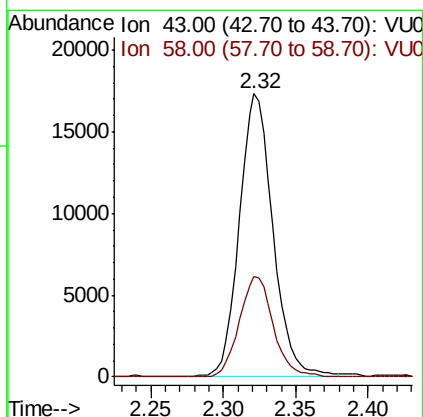
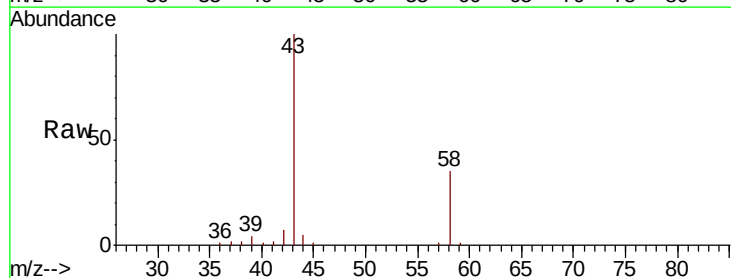
RT: 2.32 min Scan# 357

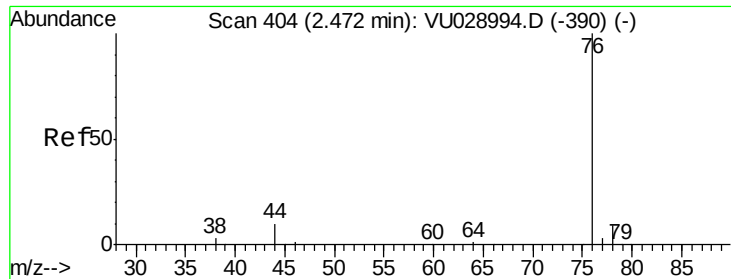
Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Tgt Ion:	43	Resp:	27872
Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.6	42.8





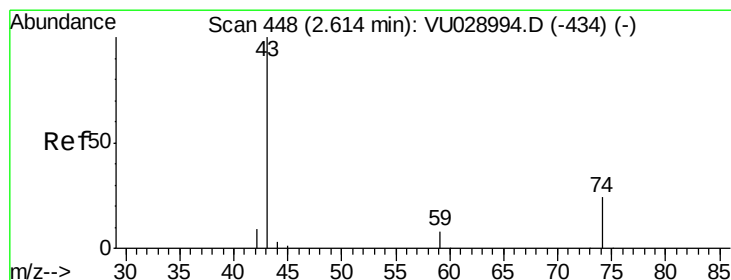
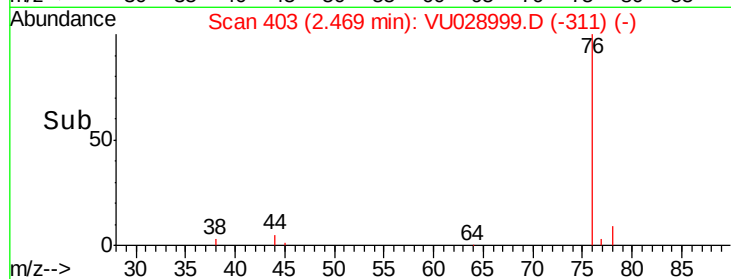
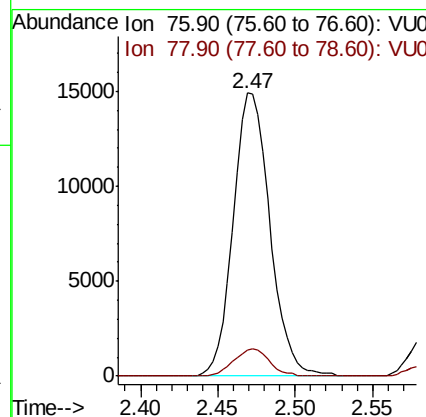
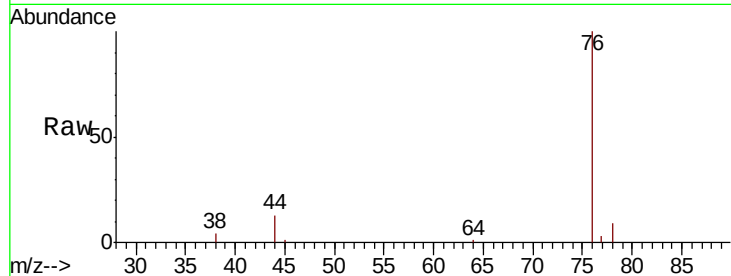
#17
Carbon Disulfide
Concen: 4.788 ug/l
RT: 2.47 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 76 Resp: 24536
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8

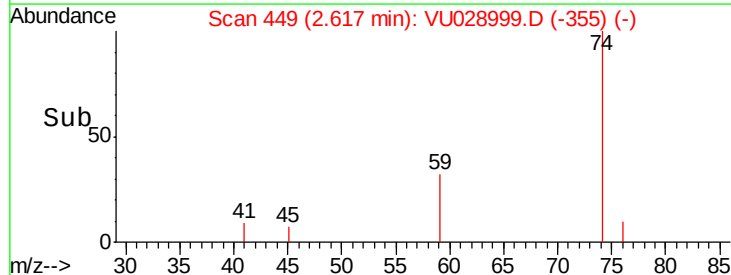
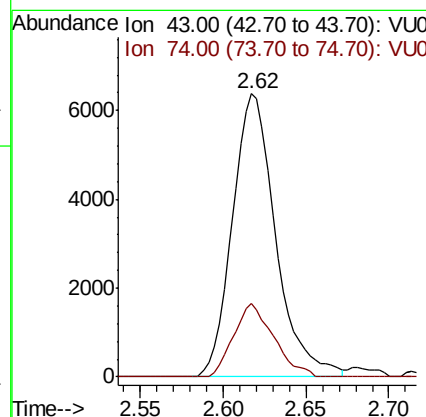
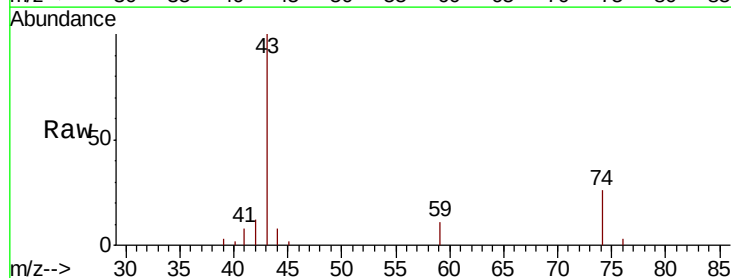
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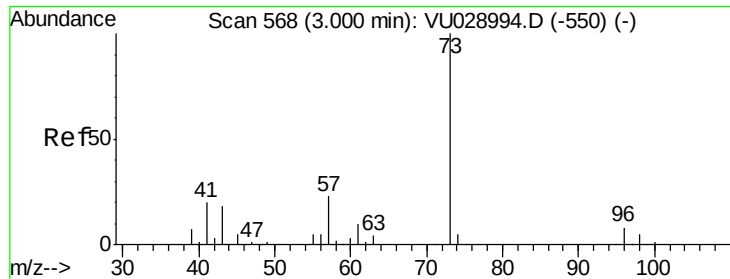
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#18
Methyl Acetate
Concen: 4.812 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion: 43 Resp: 11571
Ion Ratio Lower Upper
43 100
74 24.0 19.5 29.3





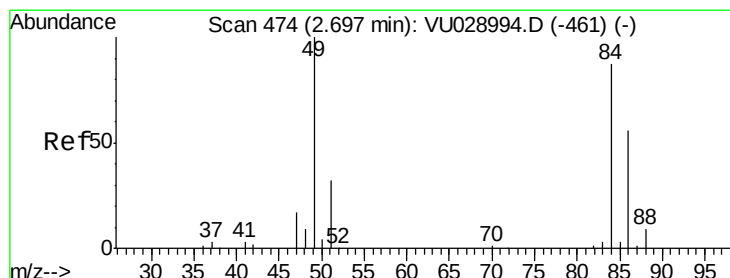
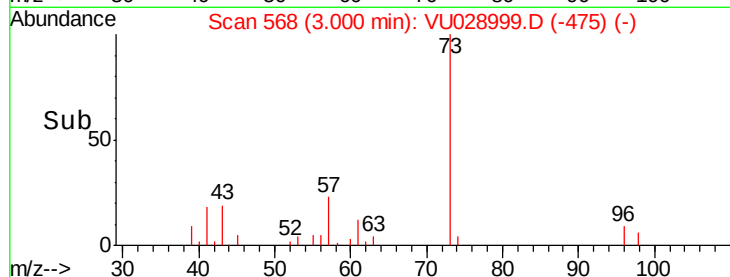
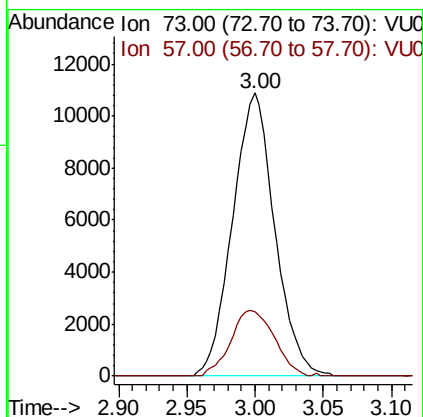
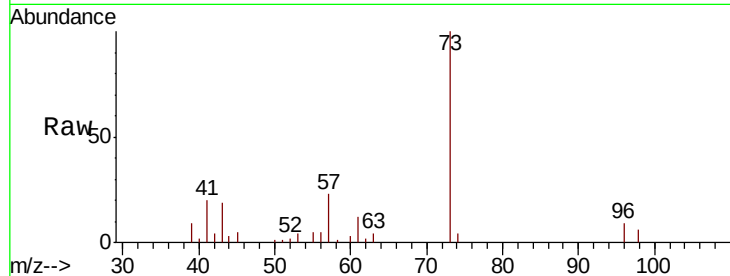
#19
Methyl tert-butyl Ether
Concen: 4.815 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 73 Resp: 23314
Ion Ratio Lower Upper
73 100
57 22.7 18.6 28.0

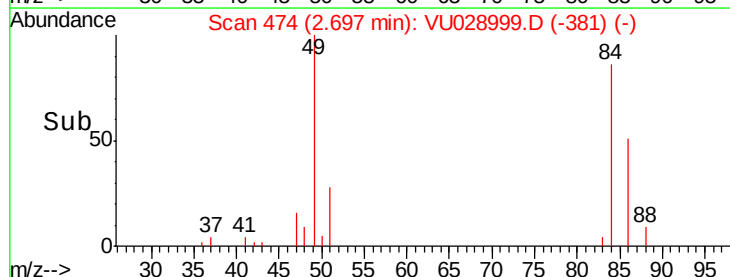
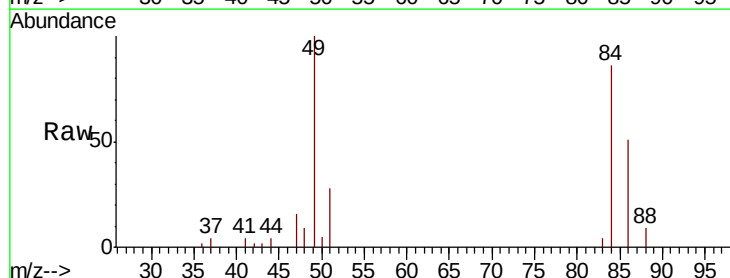
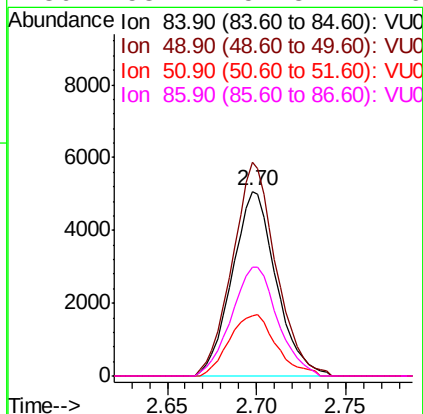
Manual Integrations
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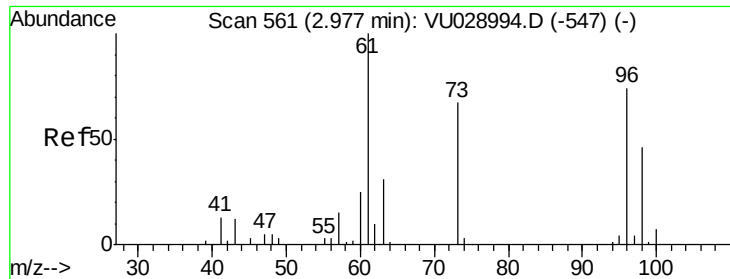
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#20
Methylene Chloride
Concen: 4.968 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion: 84 Resp: 8722
Ion Ratio Lower Upper
84 100
49 115.8 91.9 137.9
51 32.6 29.2 43.8
86 58.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 4.898 ug/l

RT: 2.98 min Scan# 561

Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 7837

Ion Ratio Lower Upper

96 100

61 138.6 107.7 161.5

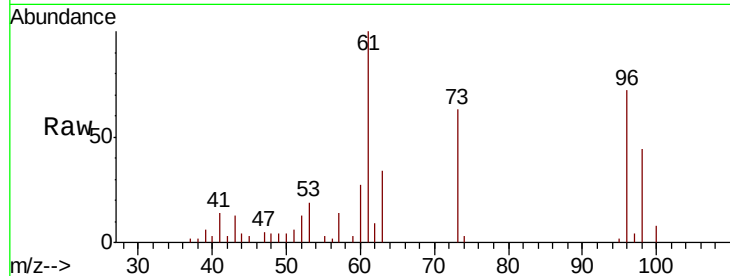
98 61.5 49.2 73.8

Manual Integrations

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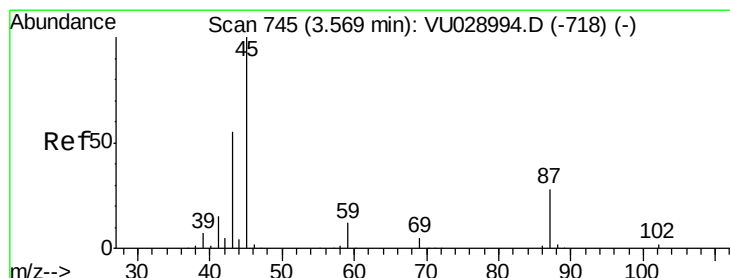
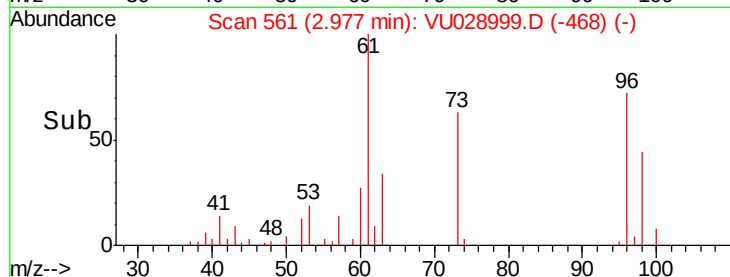
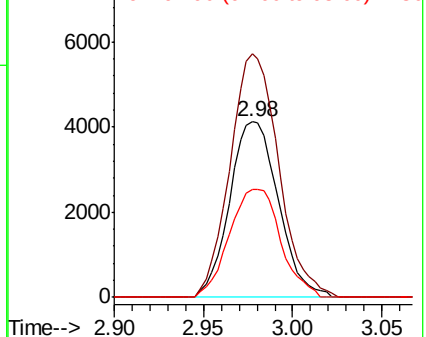


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 4.857 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Tgt Ion: 45 Resp: 24259

Ion Ratio Lower Upper

45 100

43 69.6 44.7 67.1#

87 28.4 22.2 33.2

59 11.6 9.8 14.8

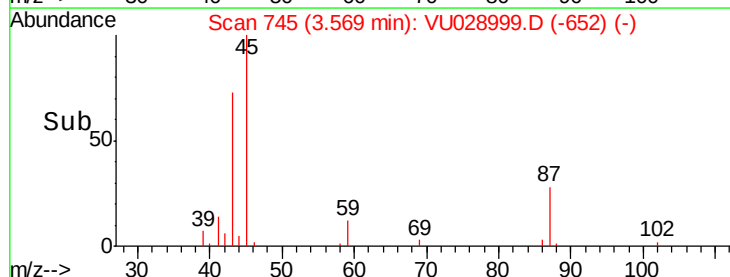
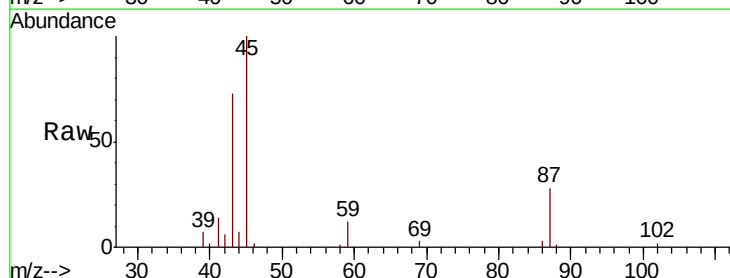
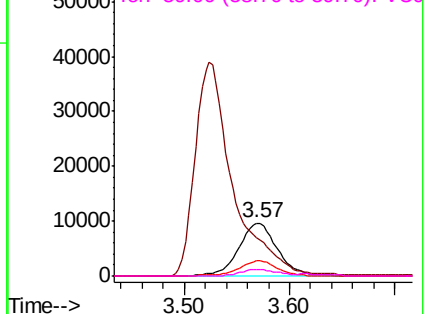
Abundance

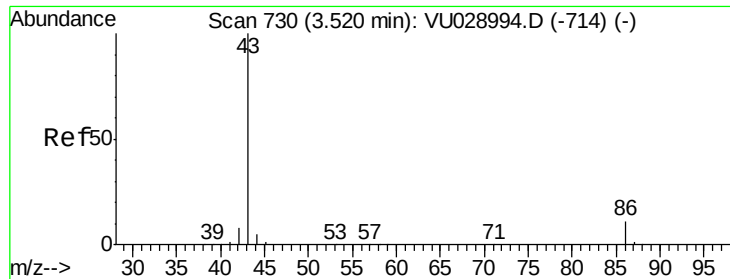
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 23.961 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 97827

Ion Ratio Lower Upper

43 100

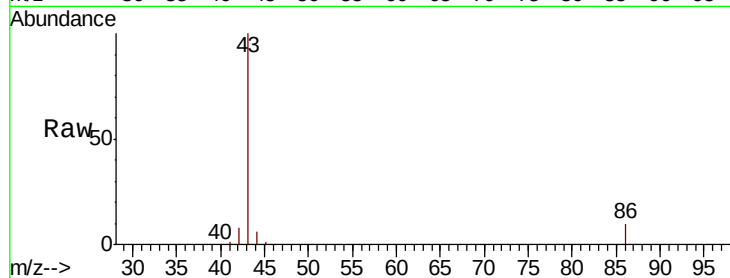
86 10.4 8.6 13.0

Manual Integrations

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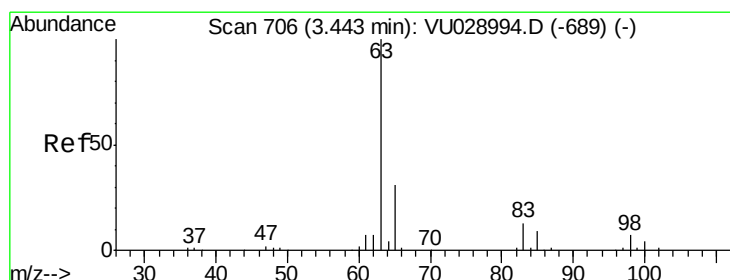
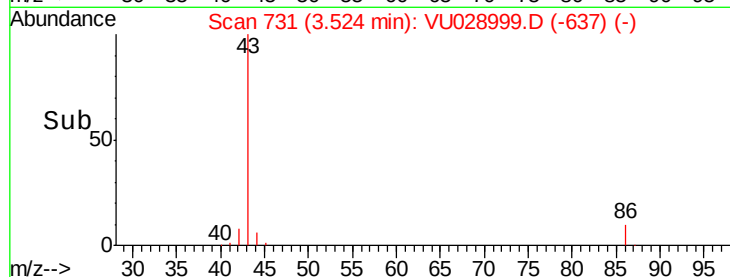
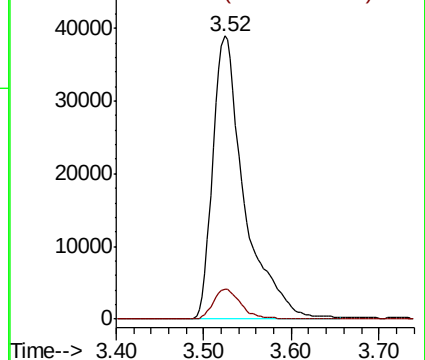
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 5.012 ug/l

RT: 3.44 min Scan# 705

Delta R.T. -0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

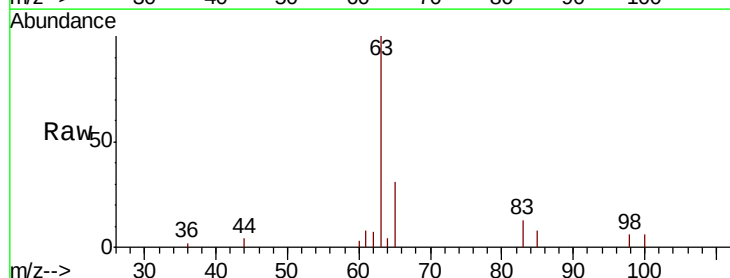
Tgt Ion: 63 Resp: 14450

Ion Ratio Lower Upper

63 100

98 6.0 3.4 10.1

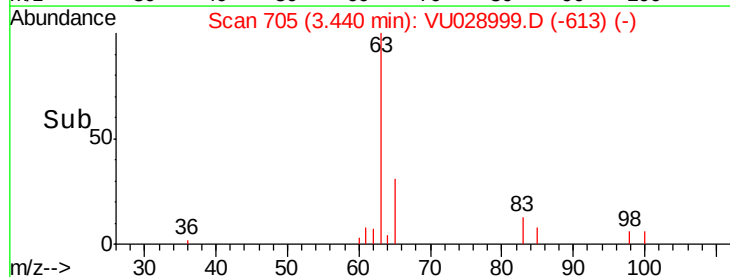
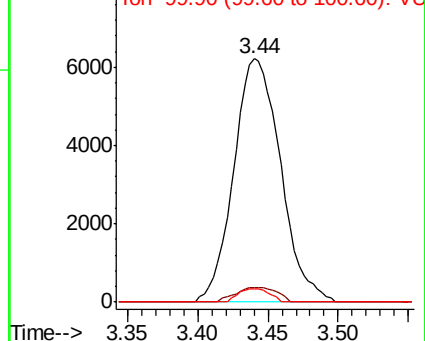
100 5.7 2.0 5.8

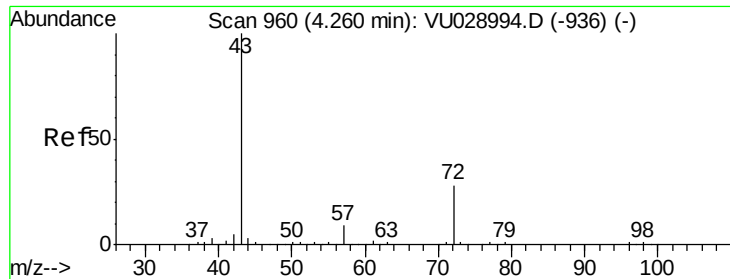


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 24.805 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.01 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 34645

Ion Ratio Lower Upper

43 100

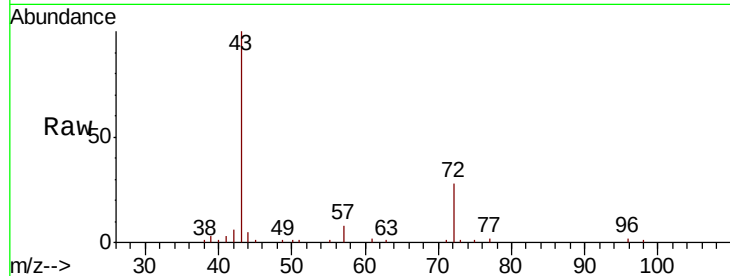
72 28.1 22.6 33.8

Manual Integrations

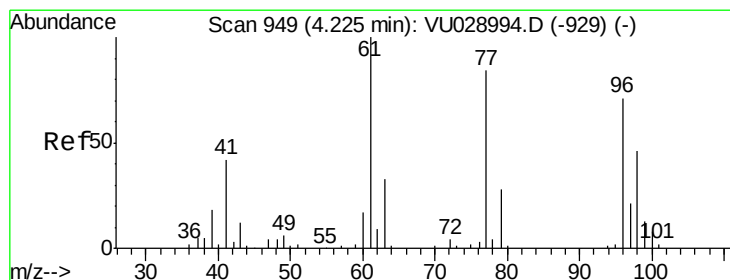
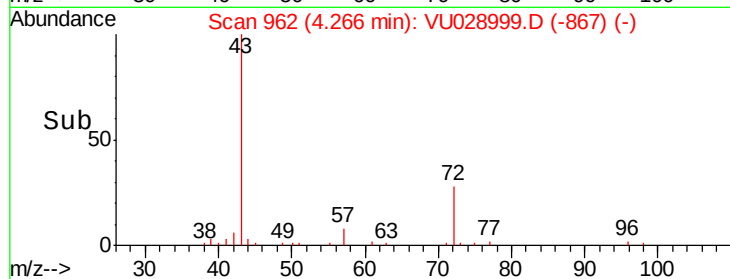
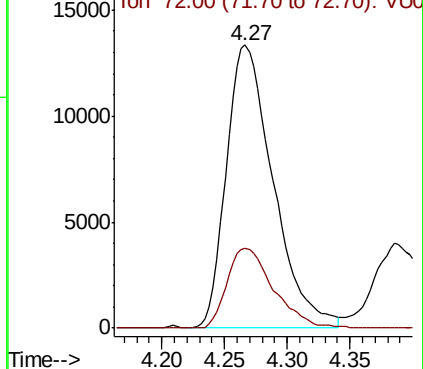
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Abundance Ion 43.00 (42.70 to 43.70): VU028999.D (-867) (-)



#26

2,2-Dichloropropane

Concen: 4.937 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU028999.D

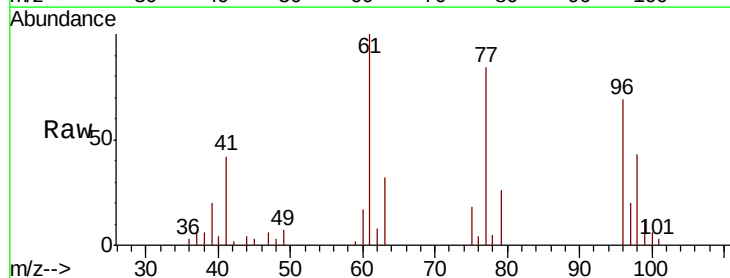
Acq: 03 Jan 2019 15:54

Tgt Ion: 77 Resp: 11502

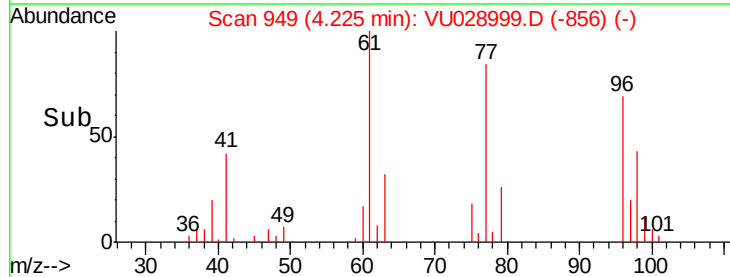
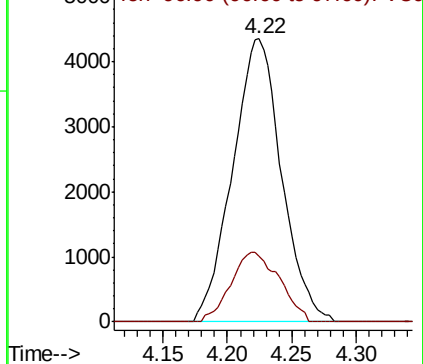
Ion Ratio Lower Upper

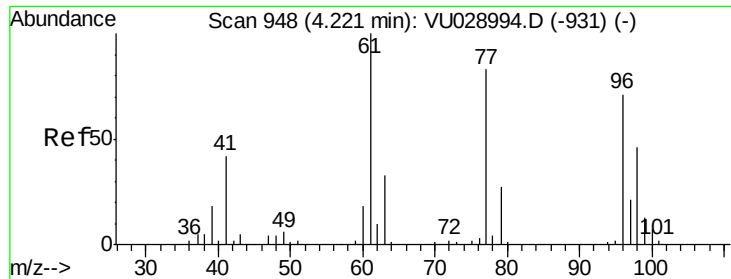
77 100

97 24.3 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU028999.D (-856) (-)





#27

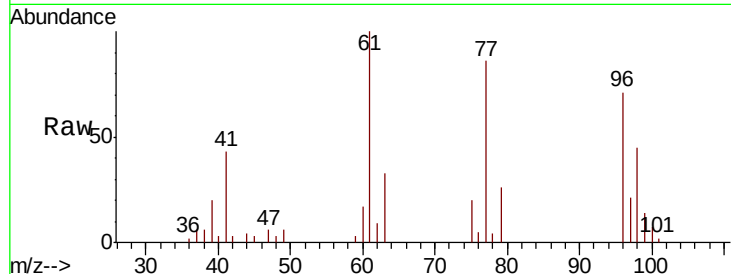
cis-1,2-Dichloroethene
Concen: 4.839 ug/l
RT: 4.22 min Scan# 948
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

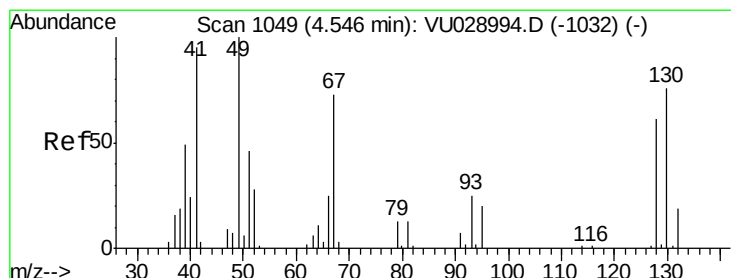
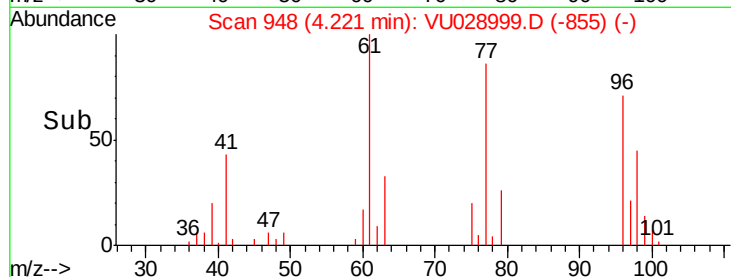
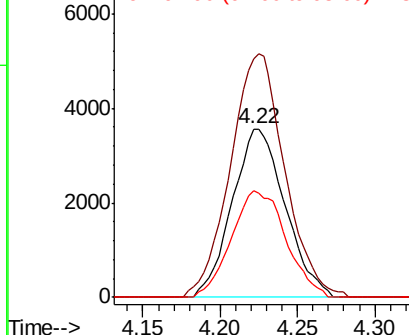
Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	285.6
98	65.0	0.0	130.2

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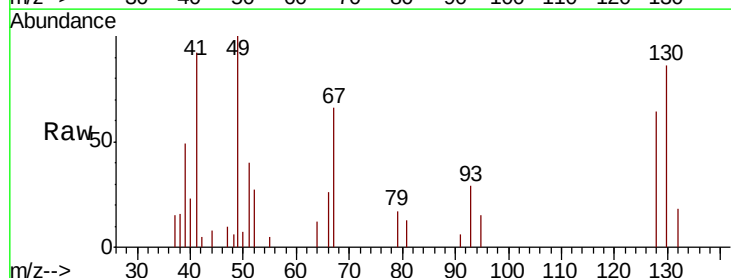
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



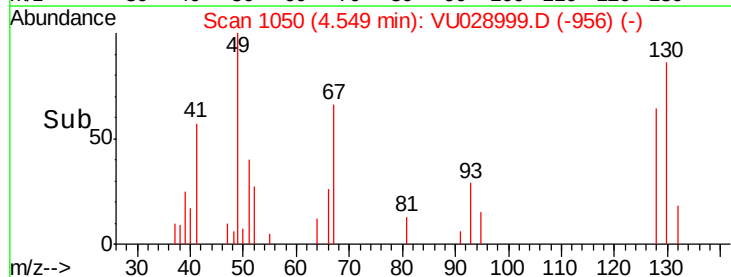
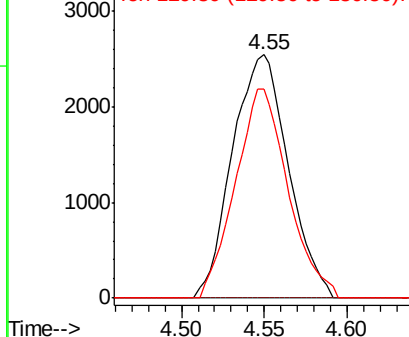
#28

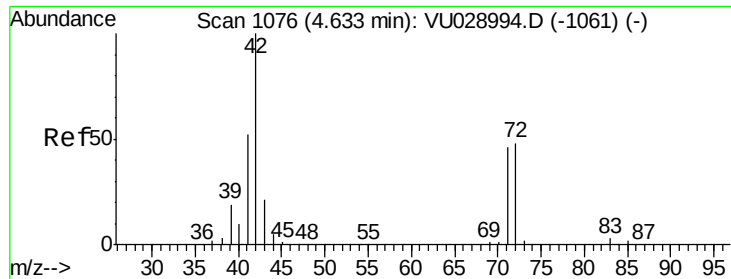
Bromochloromethane
Concen: 4.815 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	81.2	62.9	94.3



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





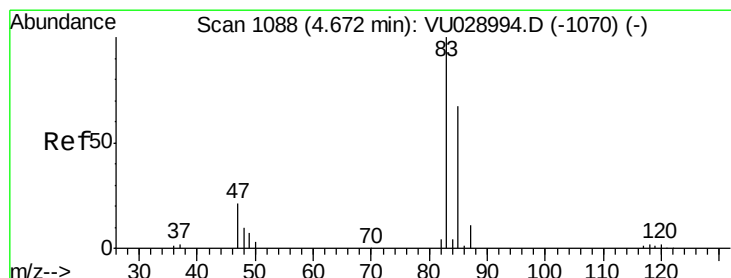
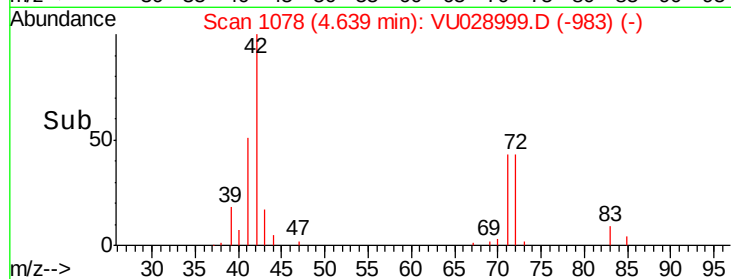
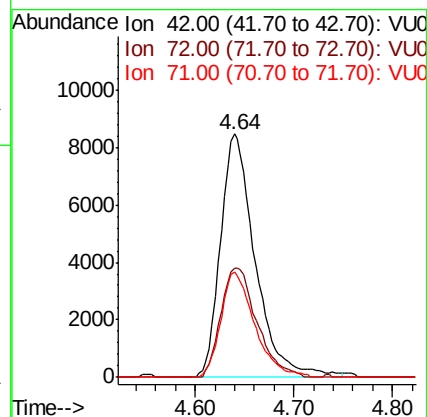
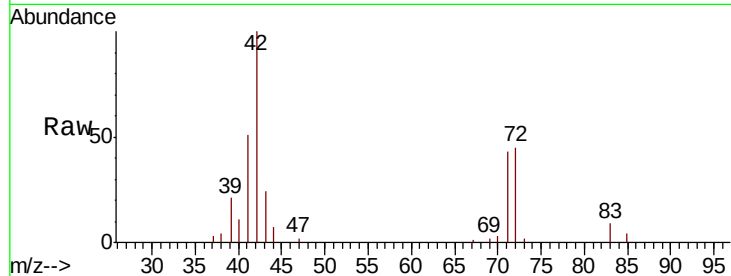
#29
Tetrahydrofuran
Concen: 24.663 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
42	100		
72	46.6	38.3	57.5
71	42.2	36.1	54.1

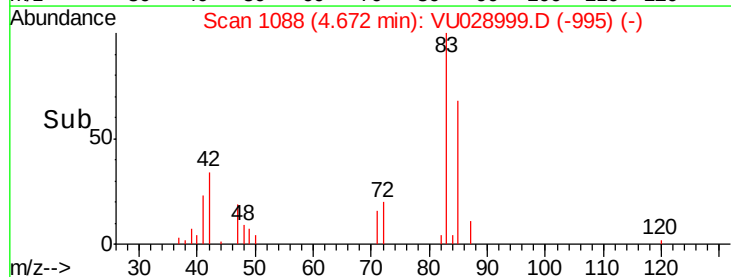
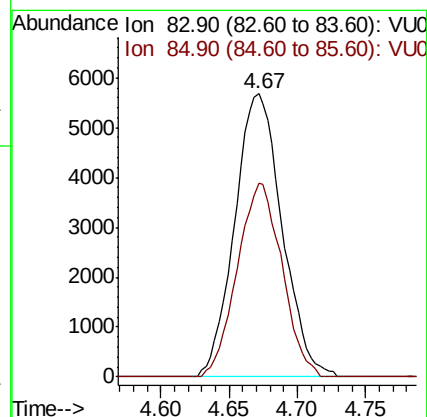
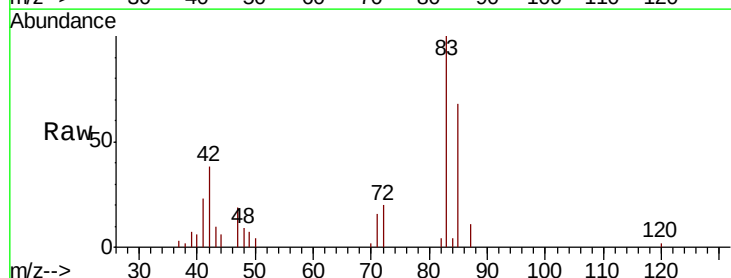
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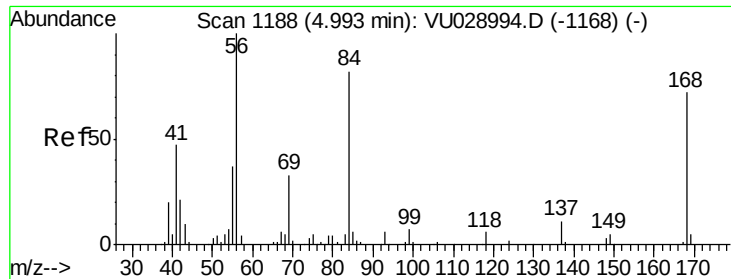
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#30
Chloroform
Concen: 4.996 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.4	53.4	80.0





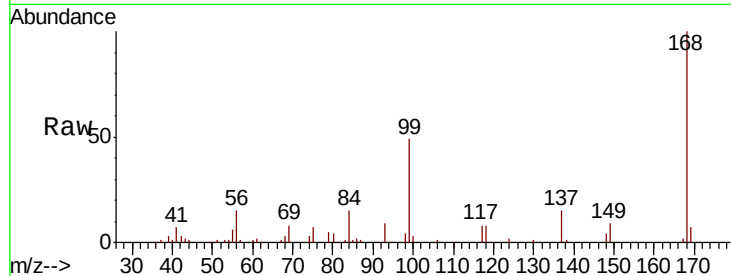
#31
Cyclohexane
Concen: 4.876 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

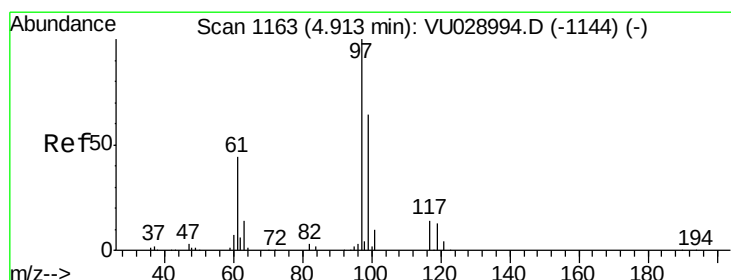
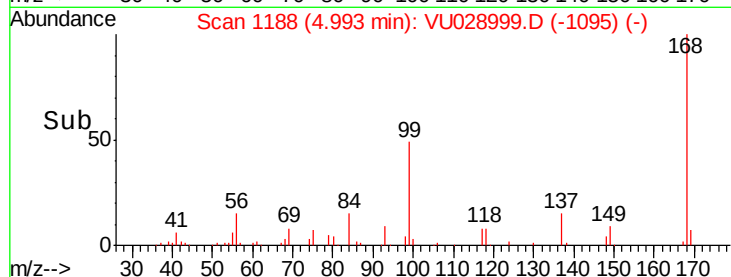
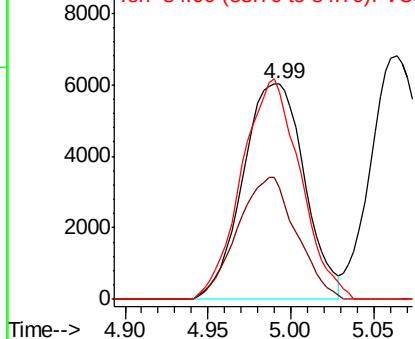
Tgt Ion	Ratio	Lower	Upper
56	100		
69	51.6	26.7	40.1#
84	96.3	65.7	98.5

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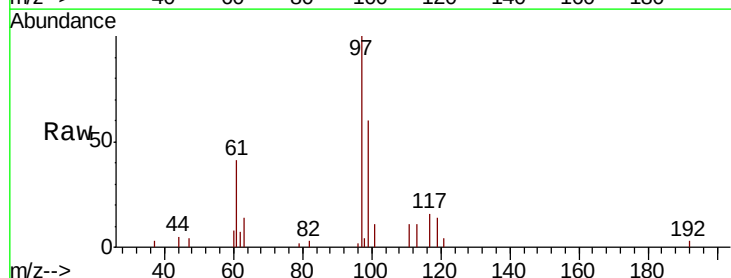


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

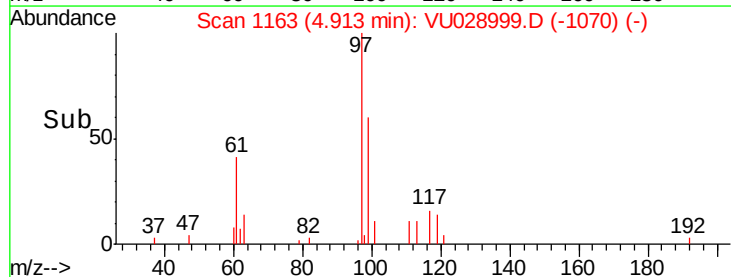
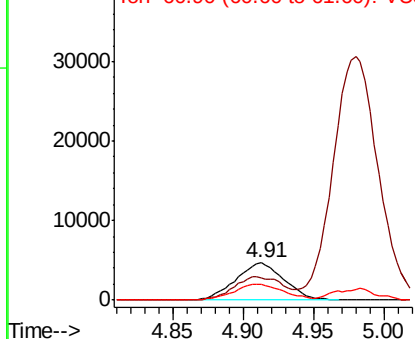


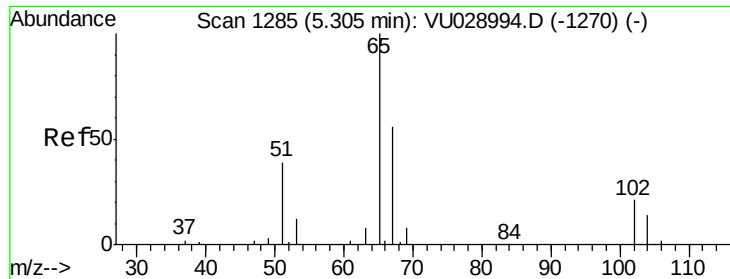
#32
1,1,1-Trichloroethane
Concen: 4.937 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	43.7	34.4	51.6



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





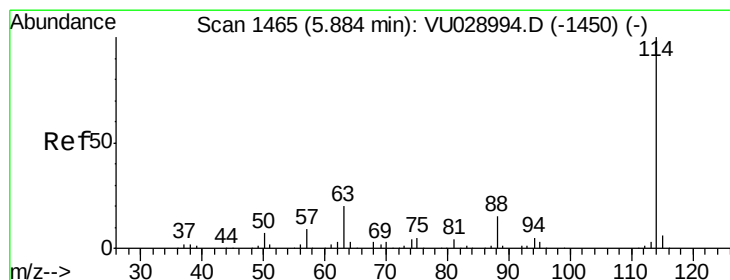
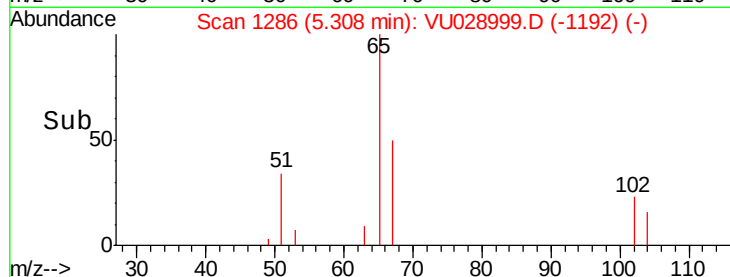
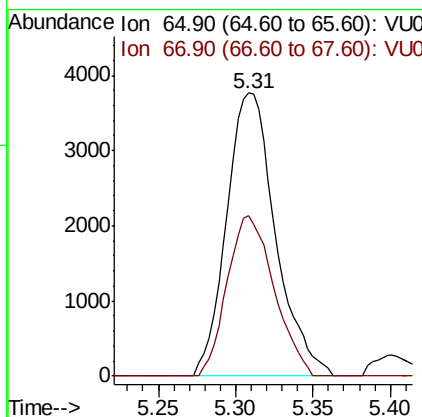
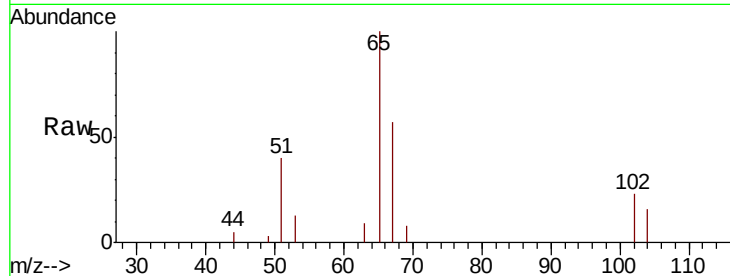
#33
 1,2-Dichloroethane-d4
 Concen: 5.048 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028999.D
 Acq: 03 Jan 2019 15:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 65 Resp: 8286
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 111.0

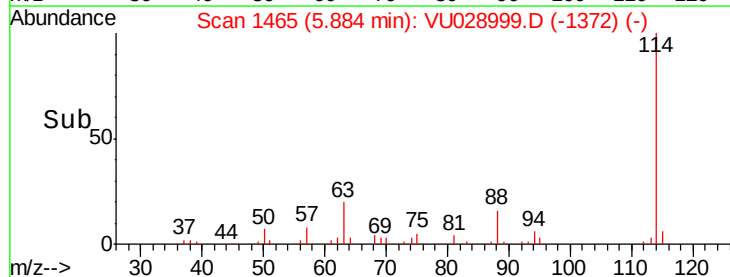
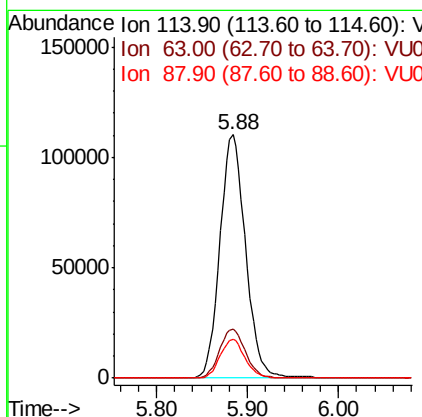
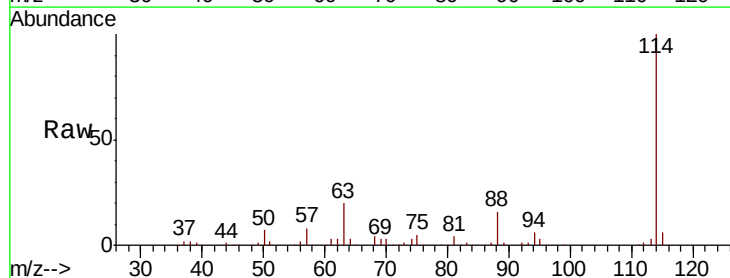
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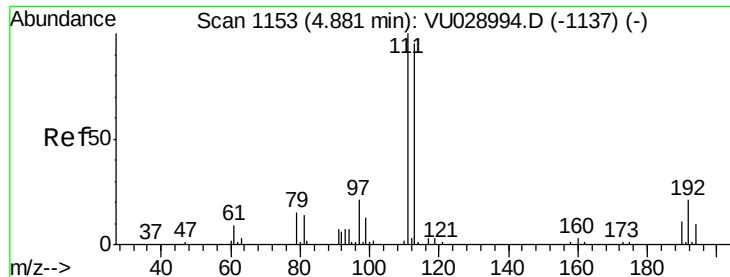
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028999.D
 Acq: 03 Jan 2019 15:54

Tgt Ion: 114 Resp: 216488
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.2
 88 16.0 0.0 30.4





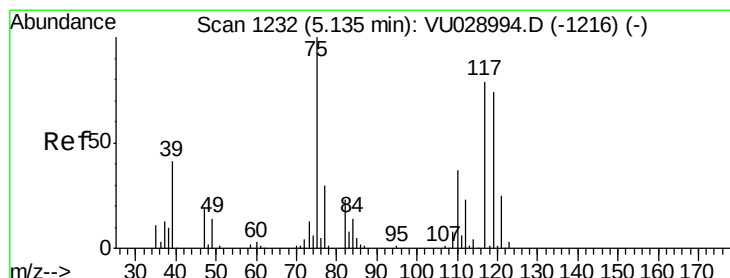
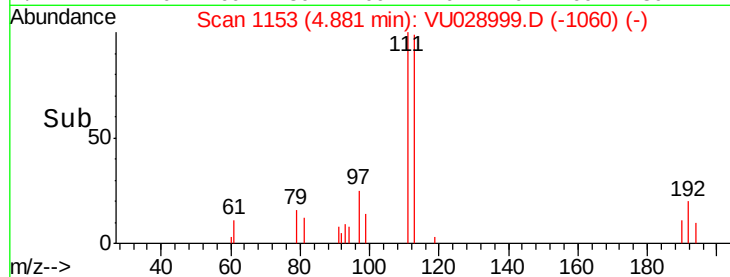
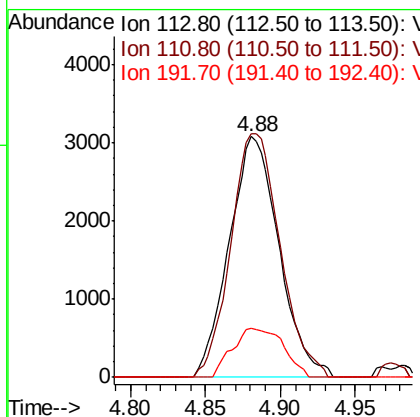
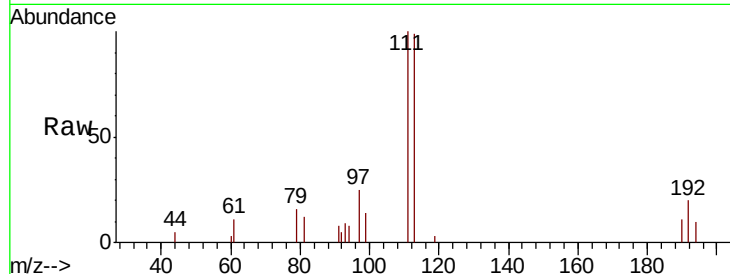
#35
Dibromofluoromethane
Concen: 5.085 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	7136		
111	100.1	81.4	122.2	
192	20.8	16.8	25.2	

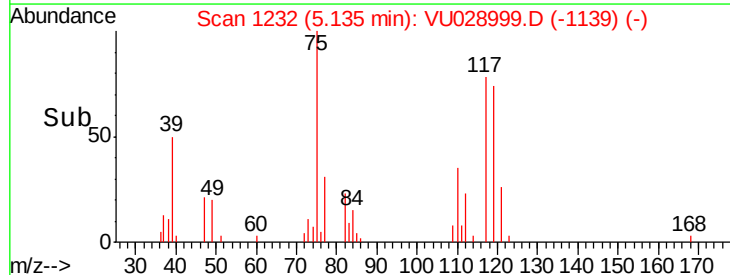
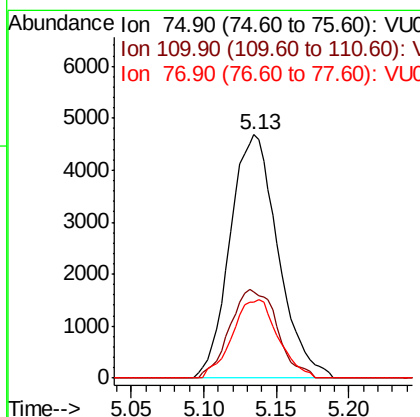
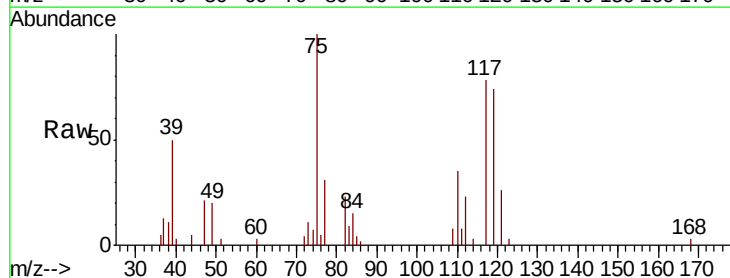
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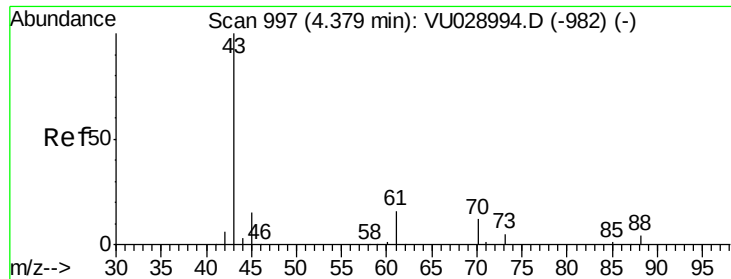
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#36
1,1-Dichloropropene
Concen: 4.964 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10741		
110	35.9	18.4	55.4	
77	30.6	25.1	37.7	





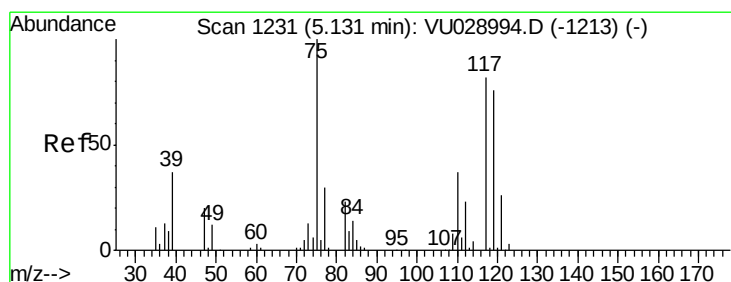
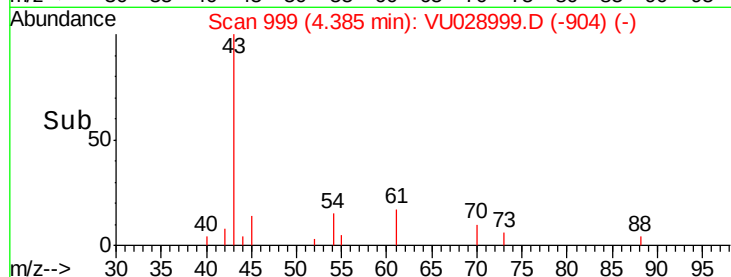
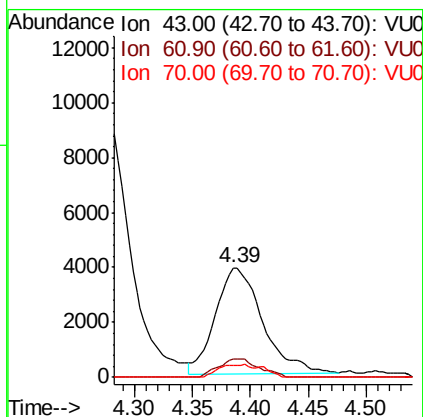
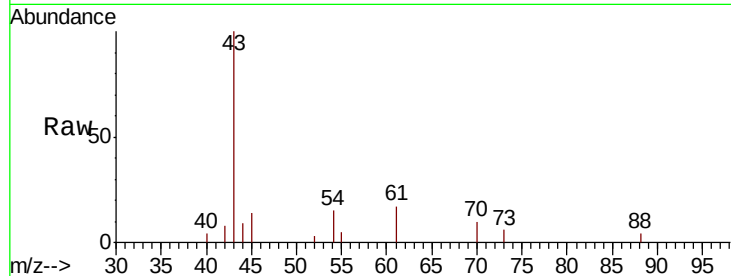
#37
Ethyl Acetate
 Concen: 4.435 ug/l
 RT: 4.39 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VU028999.D
 Acq: 03 Jan 2019 15:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.6	18.8
70	4.5	9.3	13.9

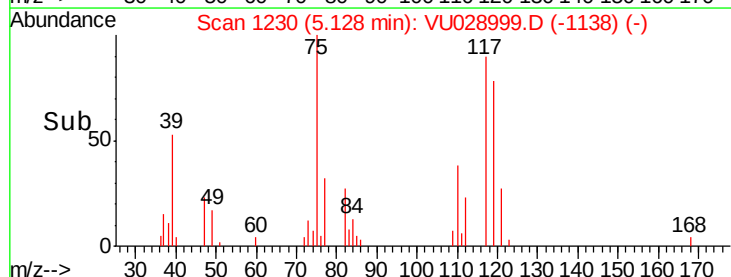
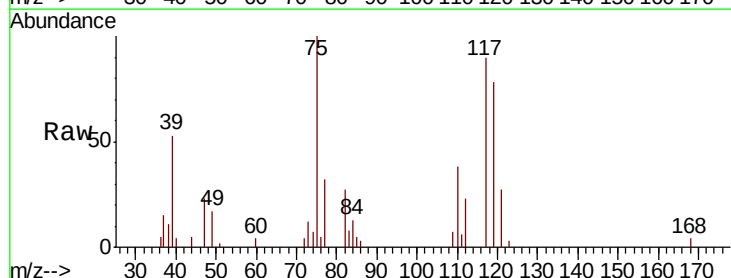
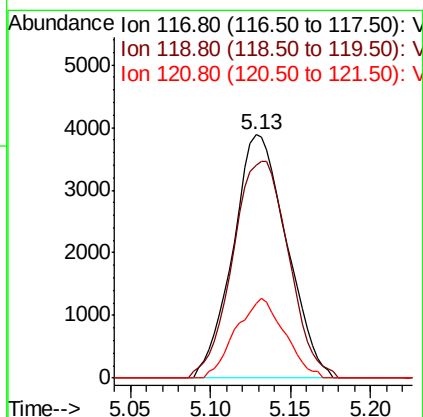
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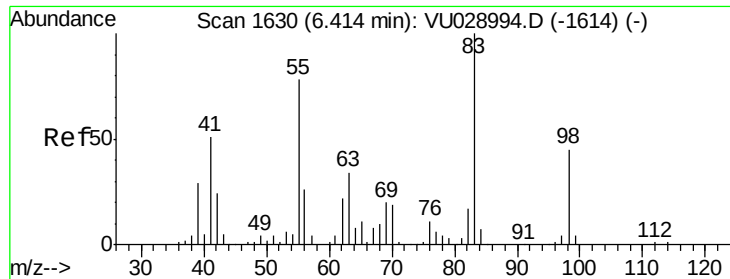
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#38
Carbon Tetrachloride
 Concen: 4.944 ug/l
 RT: 5.13 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VU028999.D
 Acq: 03 Jan 2019 15:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.4	74.6	111.8
121	30.6	25.0	37.6





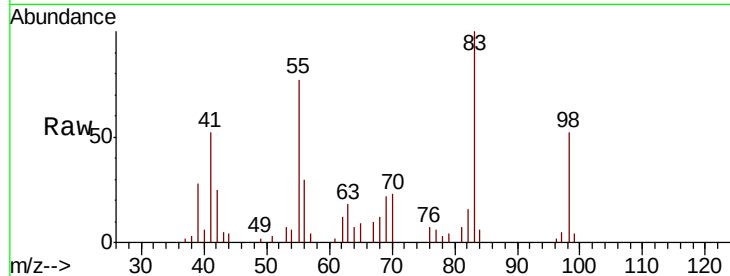
#39
Methylcyclohexane
Concen: 4.624 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.7	62.4	93.6
98	51.5	36.2	54.2

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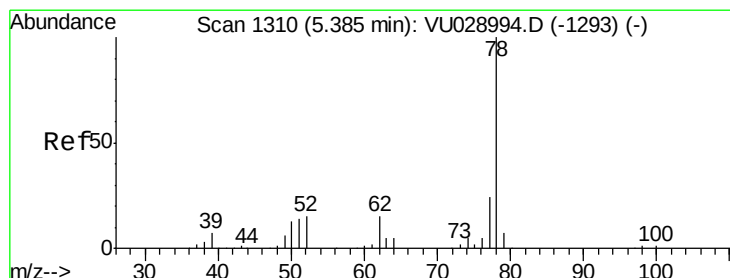
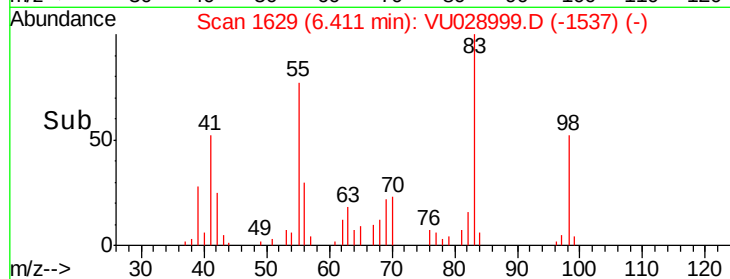
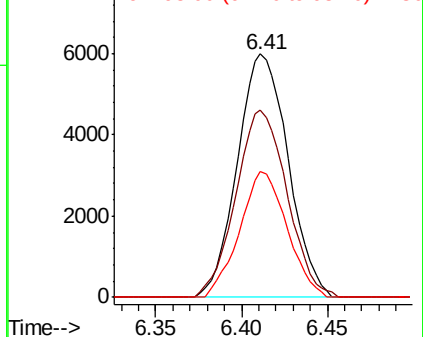


Abundance

Ion 83.00 (82.70 to 83.70): VU028999.D (-1614) (-)

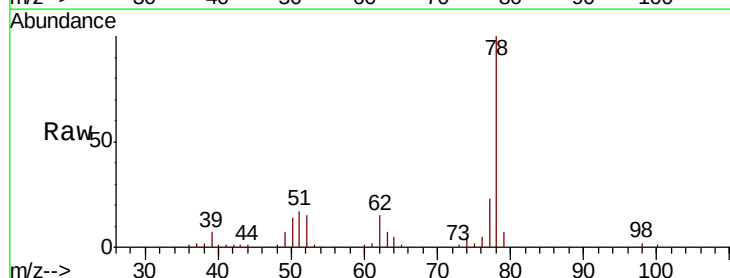
Ion 55.00 (54.70 to 55.70): VU028999.D (-1614) (-)

Ion 98.00 (97.70 to 98.70): VU028999.D (-1614) (-)



#40
Benzene
Concen: 4.949 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

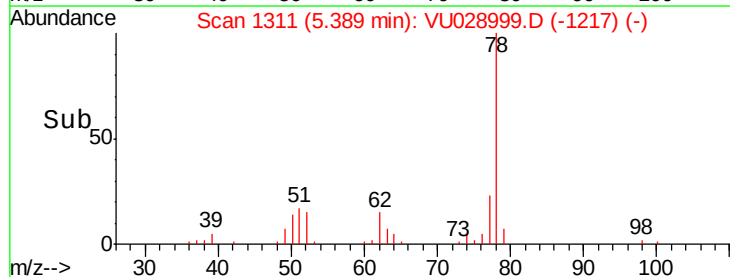
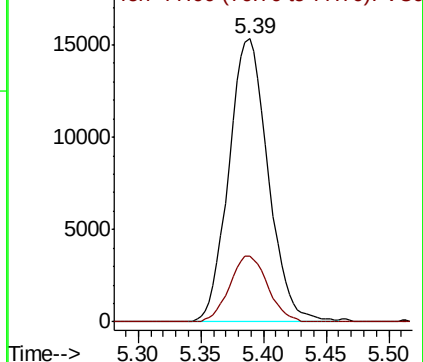
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3

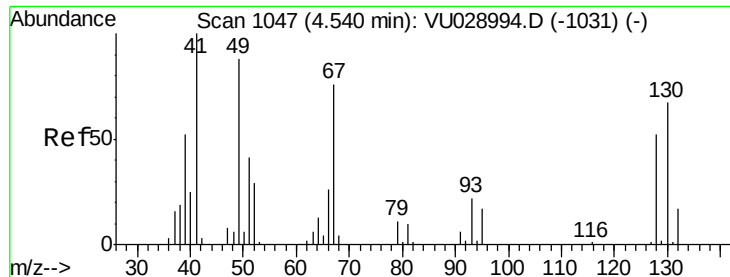


Abundance

Ion 78.00 (77.70 to 78.70): VU028999.D (-1293) (-)

Ion 77.00 (76.70 to 77.70): VU028999.D (-1293) (-)





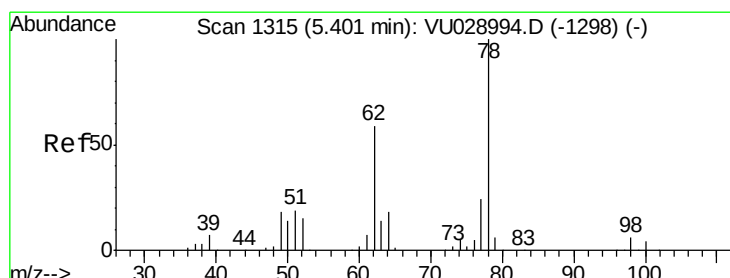
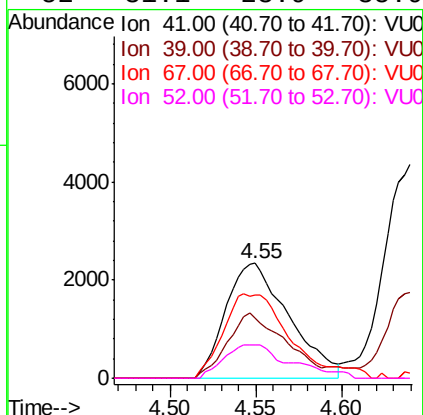
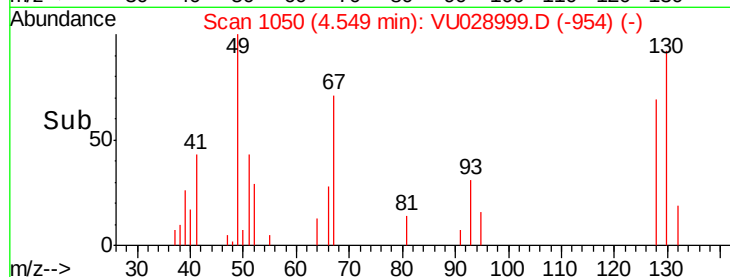
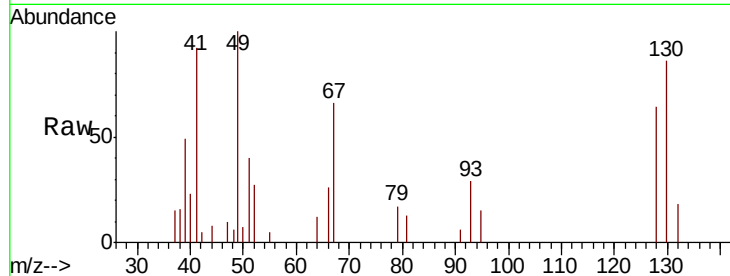
#41
Methacrylonitrile
Concen: 4.689 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	42.3	63.5	
67	77.6	64.4	96.6	
52	31.1	23.9	35.9	

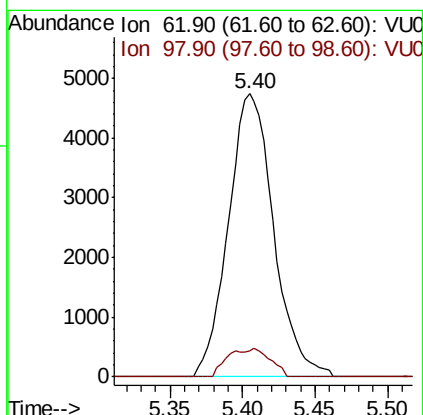
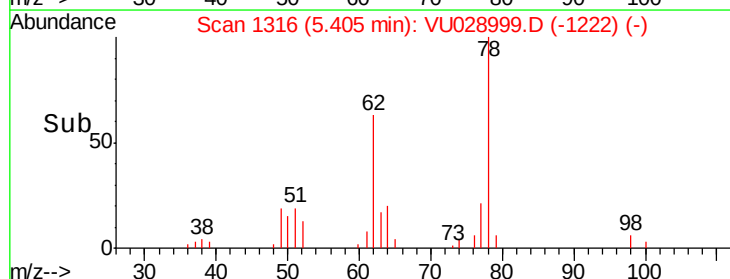
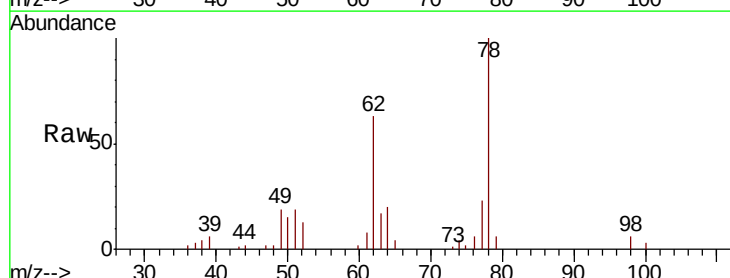
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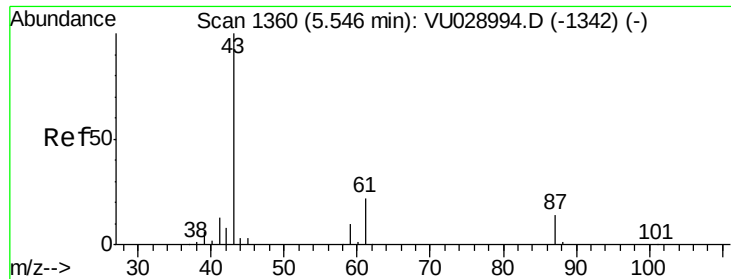
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#42
1,2-Dichloroethane
Concen: 5.082 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	19.6	





#43

Isopropyl Acetate

Concen: 4.744 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Instrument :

MSVOA_U

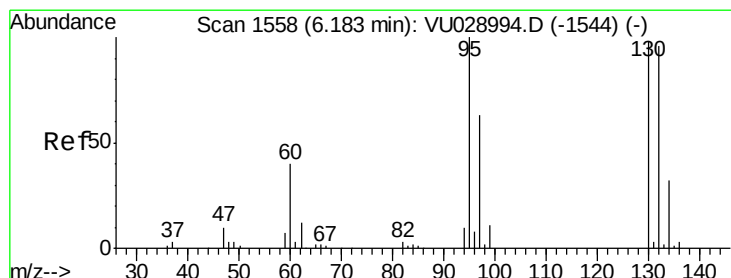
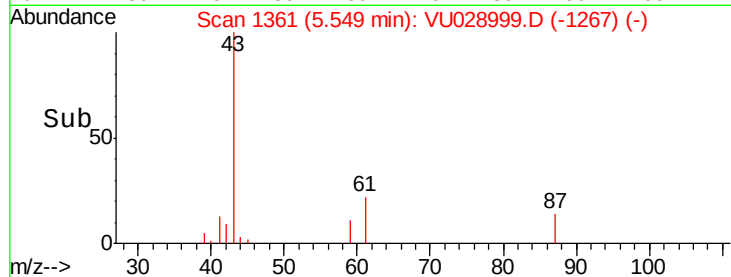
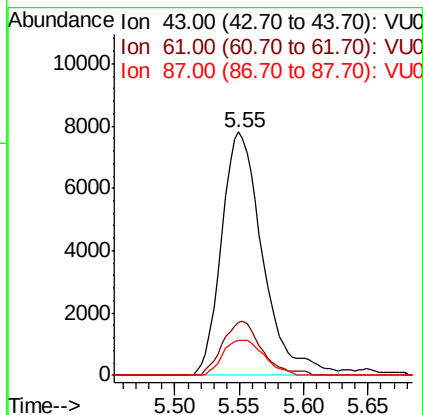
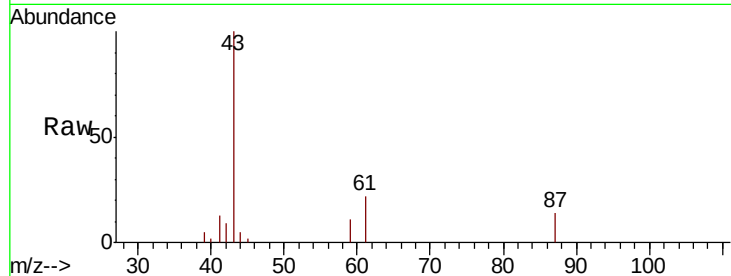
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	17284
Ion	Ratio	Lower	Upper
43	100		
61	20.7	17.8	26.6
87	14.5	11.3	16.9

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#44

Trichloroethene

Concen: 4.601 ug/l

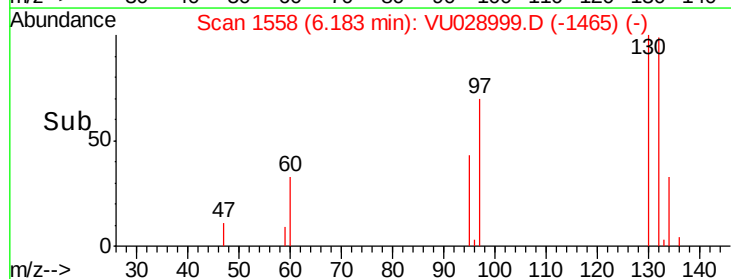
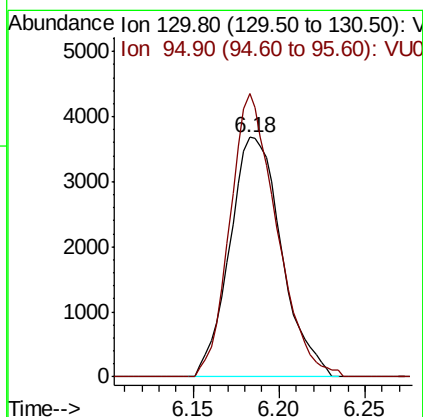
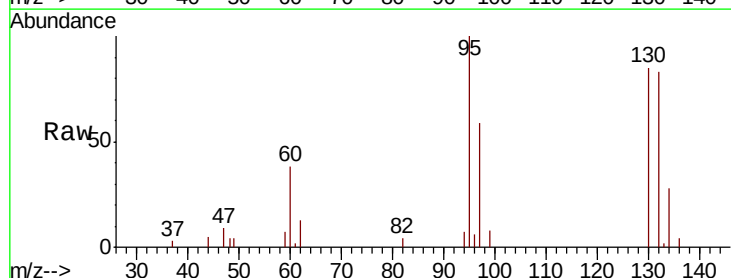
RT: 6.18 min Scan# 1558

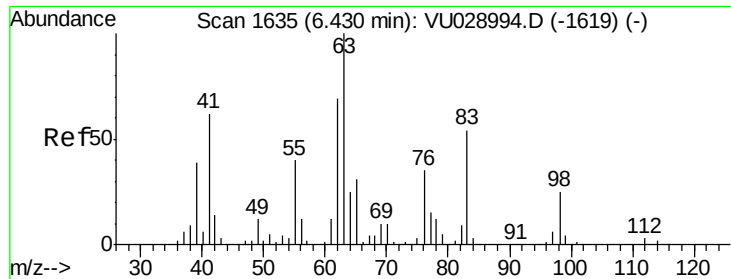
Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Tgt Ion:	130	Resp:	7694
Ion	Ratio	Lower	Upper
130	100		
95	118.1	0.0	205.0





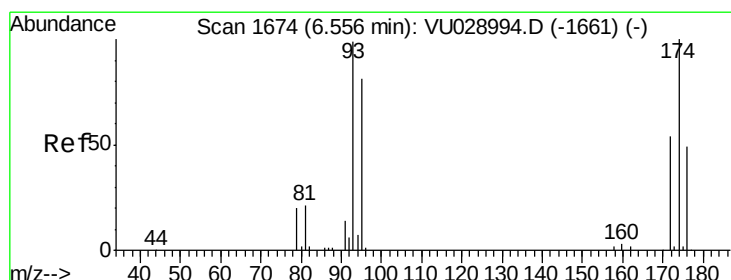
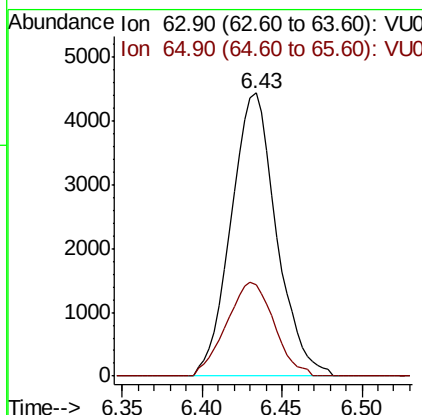
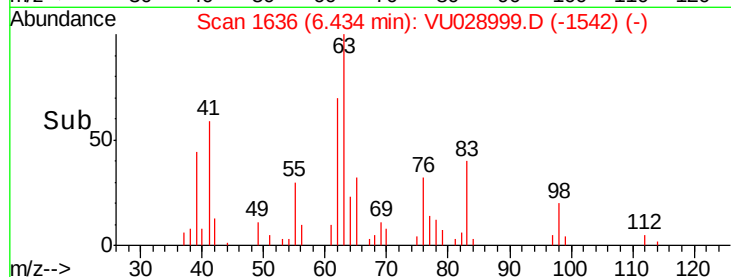
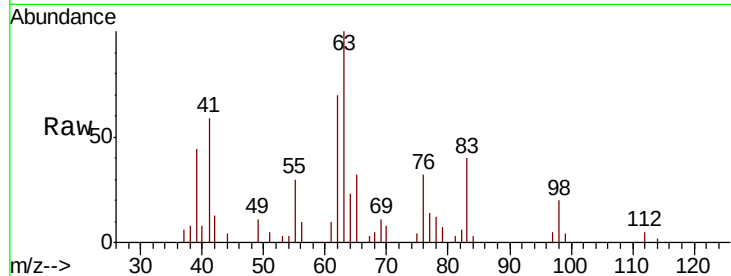
#45
 1,2-Dichloropropane
 Concen: 4.818 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU028999.D
 Acq: 03 Jan 2019 15:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 63 Resp: 8588
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.1 37.7

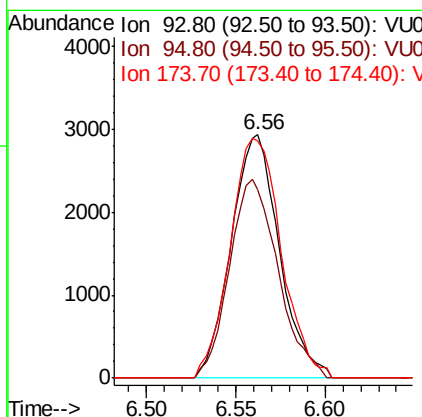
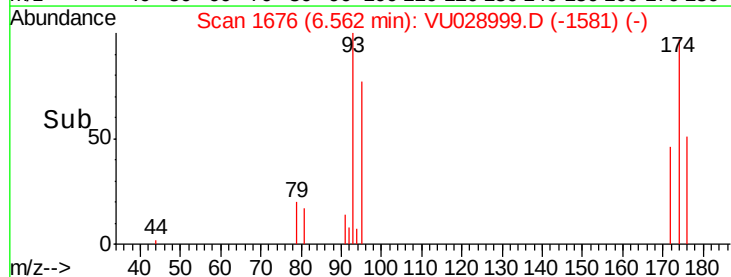
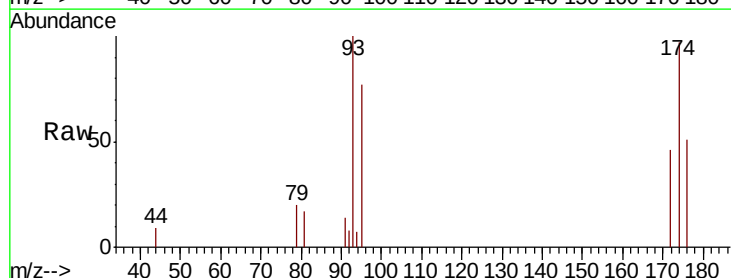
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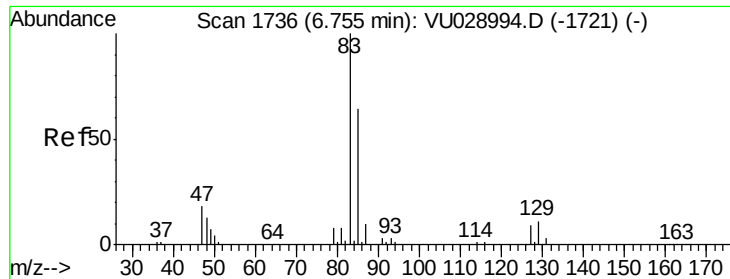
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#46
 Dibromomethane
 Concen: 4.841 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.01 min
 Lab File: VU028999.D
 Acq: 03 Jan 2019 15:54

Tgt Ion: 93 Resp: 5516
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.2 100.8
 174 104.4 82.6 123.8





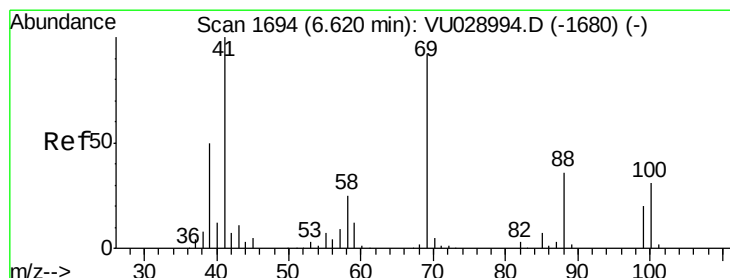
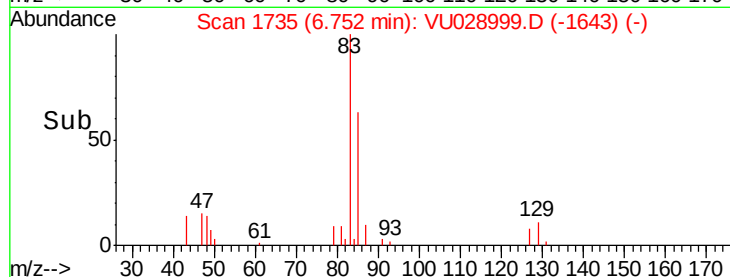
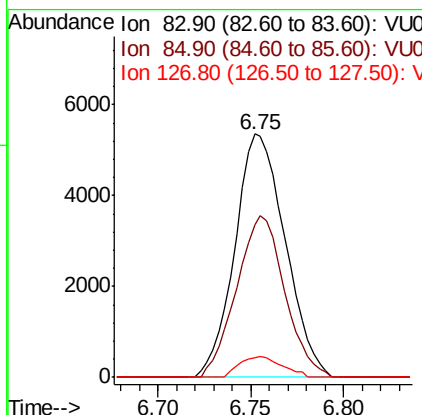
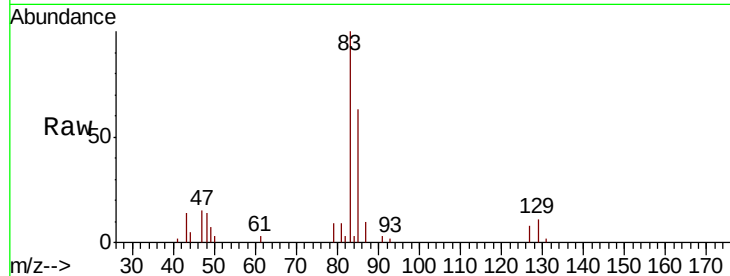
#47
Bromodichloromethane
Concen: 4.821 ug/l
RT: 6.75 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.4	77.2
127	8.0	7.0	10.4

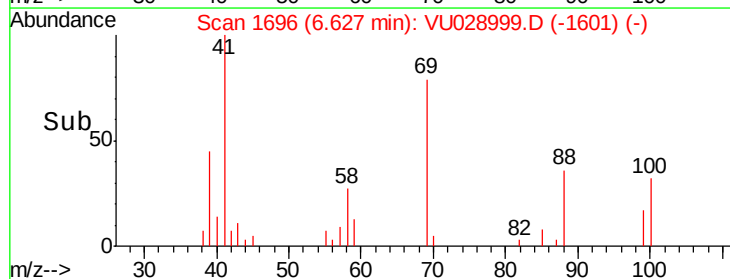
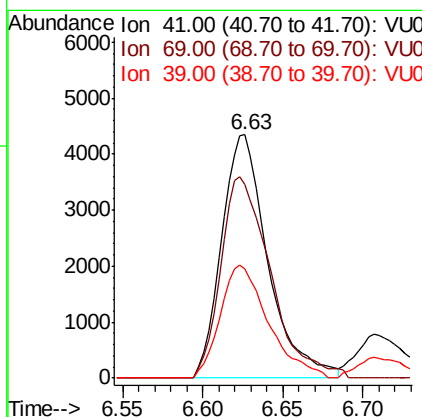
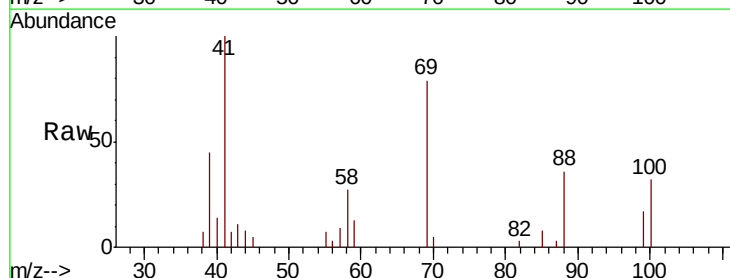
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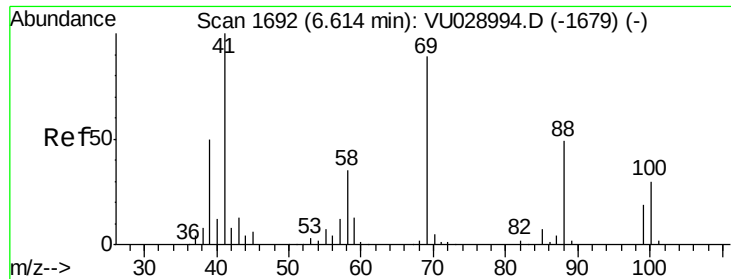
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1/4/2019 9:51:12 AM



#48
Methyl methacrylate
Concen: 4.853 ug/l
RT: 6.63 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.6	73.6	110.4
39	48.1	39.6	59.4





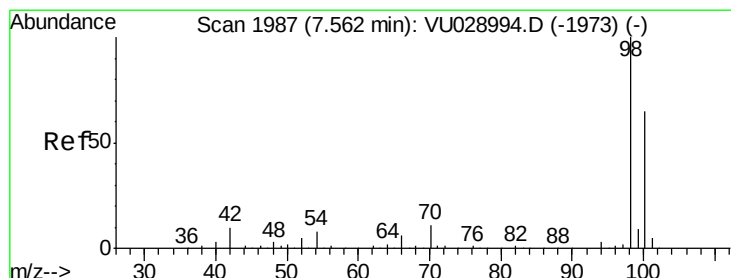
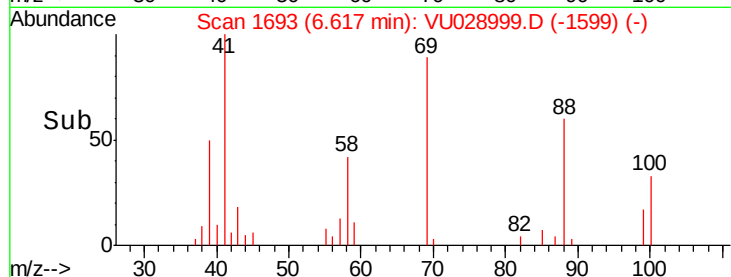
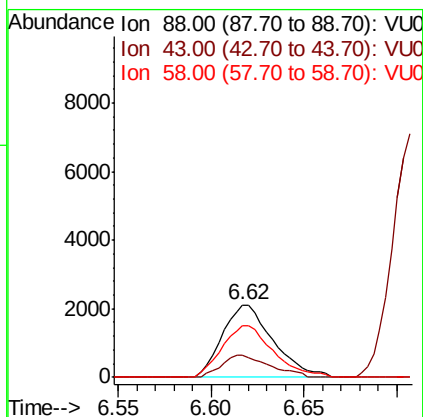
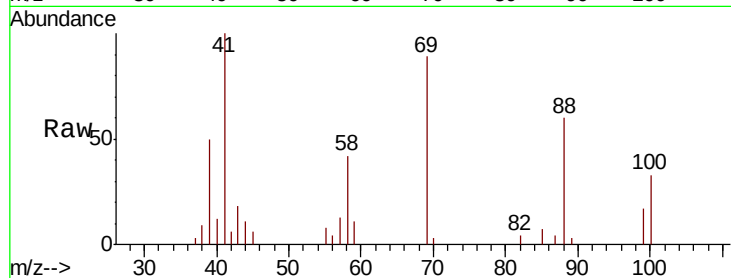
#49
1,4-Dioxane
Concen: 95.113 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
88	100		
43	29.0	23.0	34.4
58	72.3	57.9	86.9

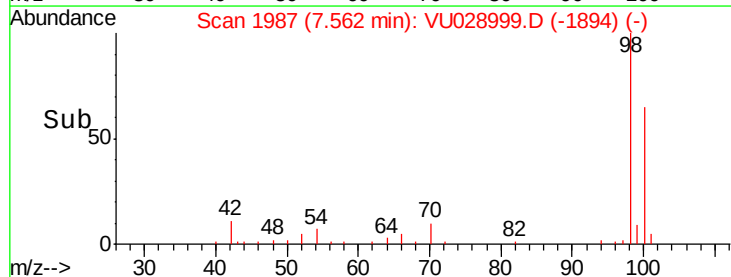
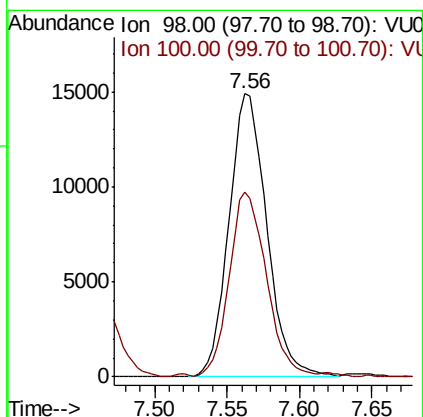
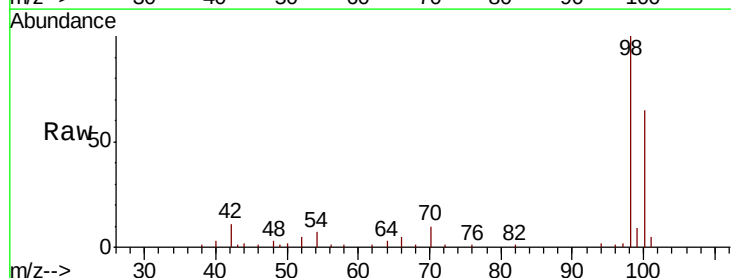
Manual Integrations
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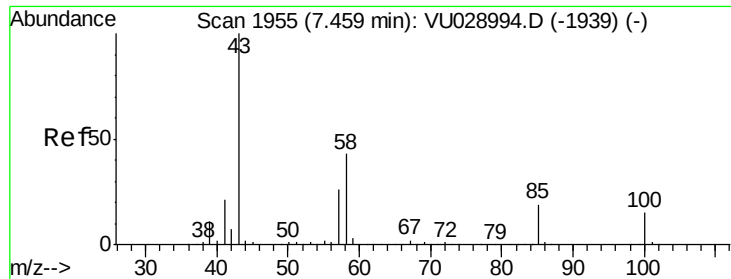
MMDadoda
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#50
Toluene-d8
Concen: 4.871 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 23.170 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 57454

Ion Ratio Lower Upper

43 100

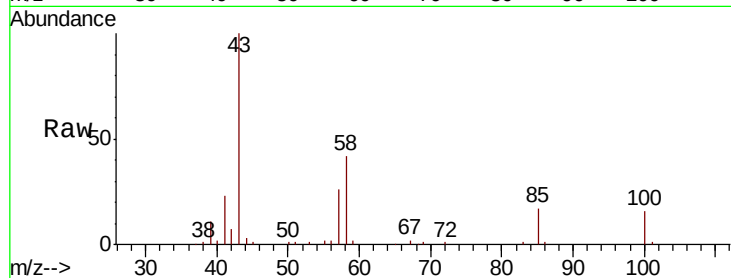
58 42.1 33.9 50.9

Manual Integrations

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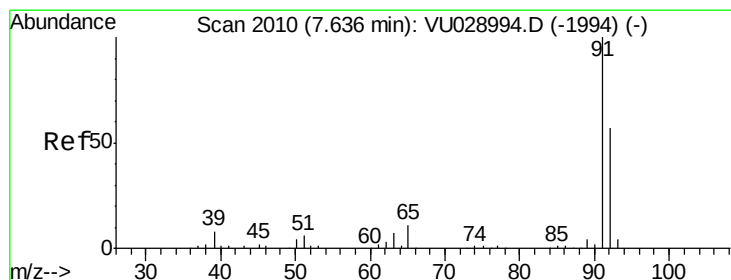
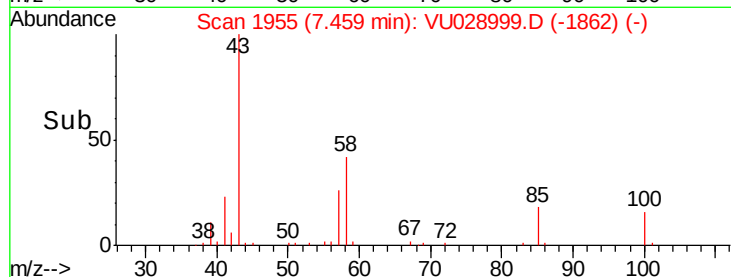
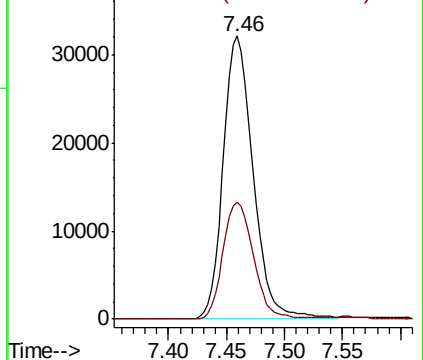
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 4.867 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028999.D

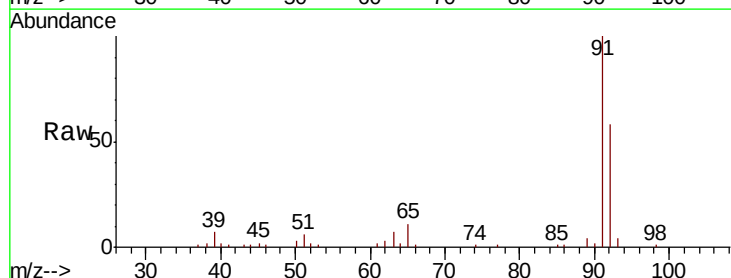
Acq: 03 Jan 2019 15:54

Tgt Ion: 92 Resp: 19997

Ion Ratio Lower Upper

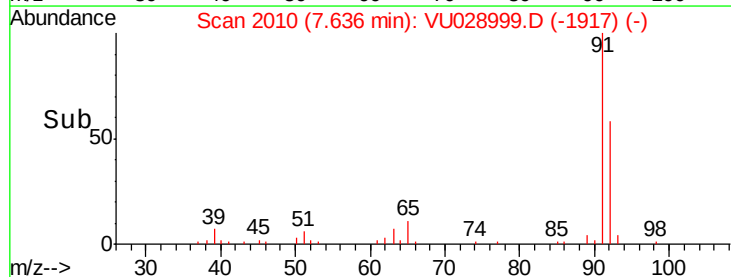
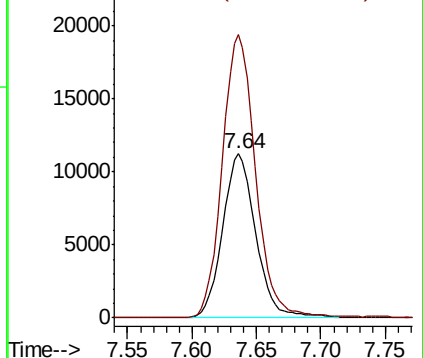
92 100

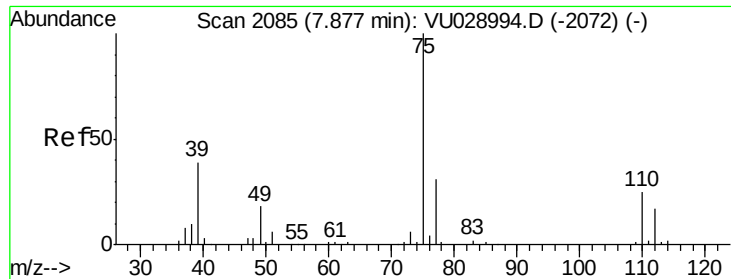
91 173.2 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





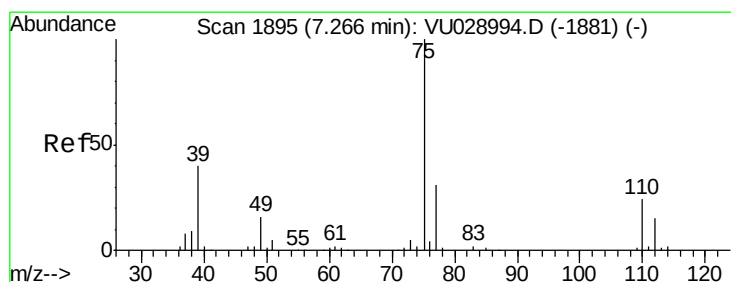
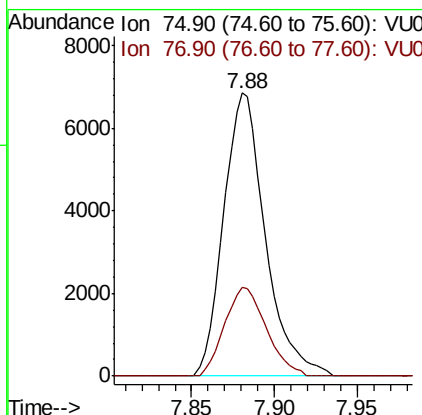
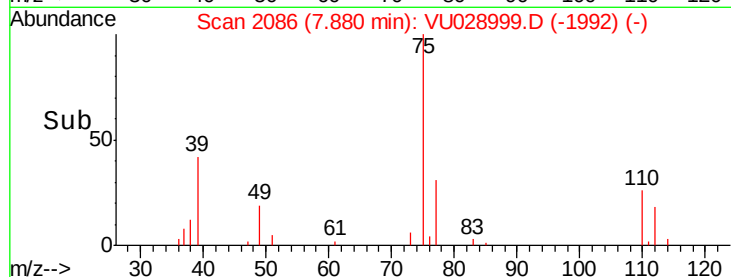
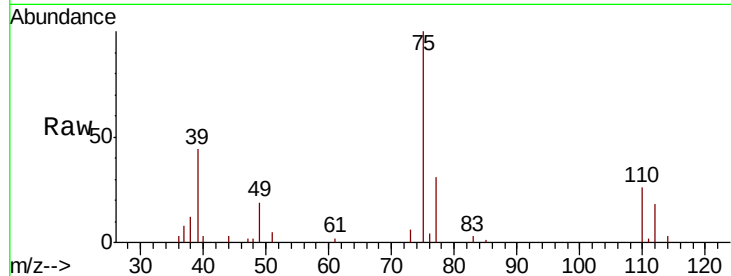
#53
t-1,3-Dichloropropene
Concen: 4.744 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 75 Resp: 11956
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.4

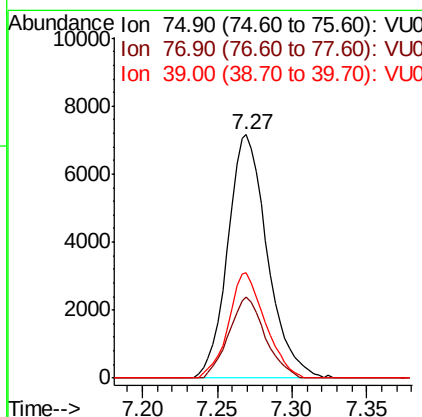
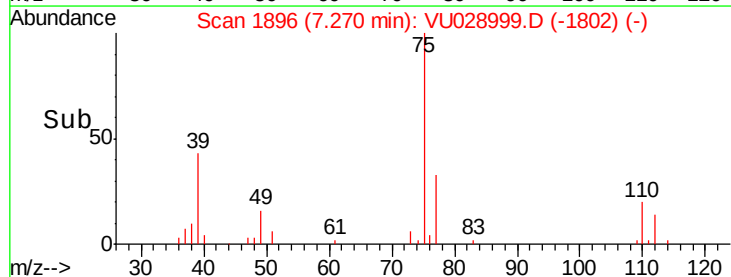
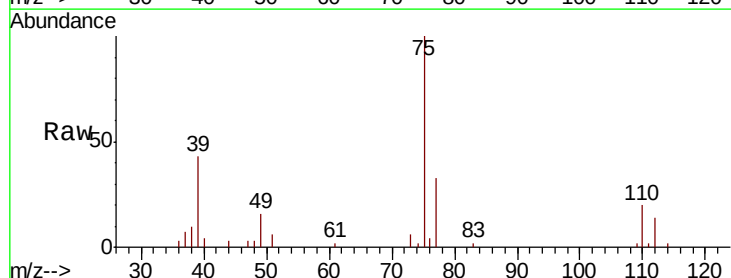
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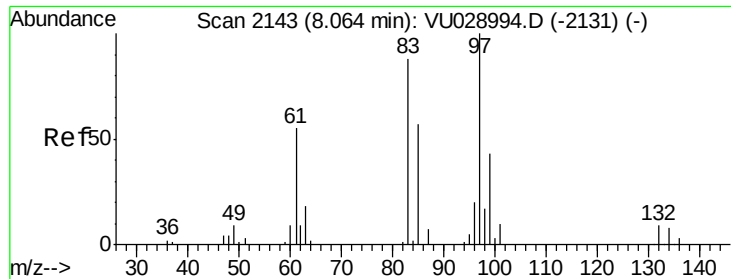
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#54
cis-1,3-Dichloropropene
Concen: 4.842 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion: 75 Resp: 13187
Ion Ratio Lower Upper
75 100
77 33.3 25.0 37.6
39 43.0 32.2 48.4





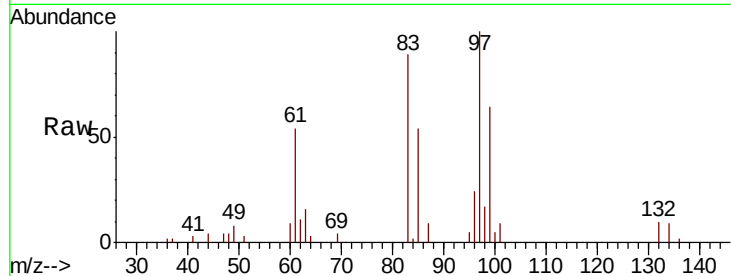
#55
 1,1,2-Trichloroethane
 Concen: 4.990 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028999.D
 Acq: 03 Jan 2019 15:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

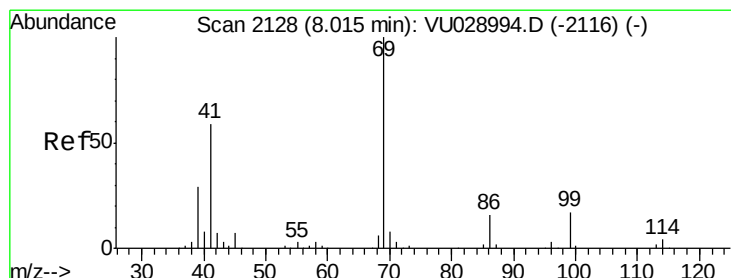
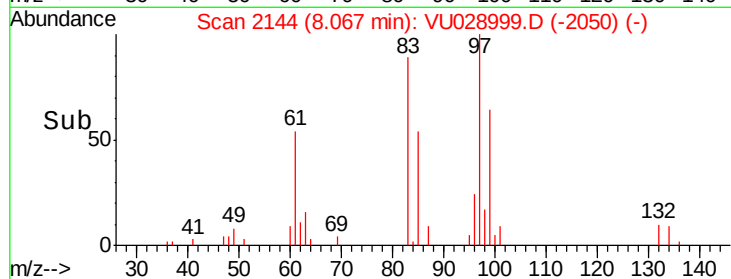
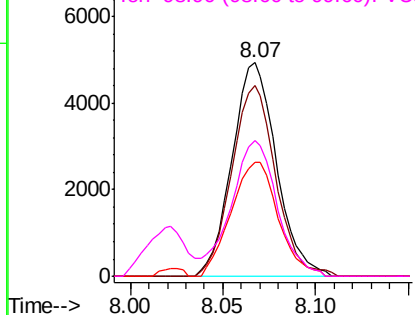
Tgt Ion:	97	Resp:	8215
Ion	Ratio	Lower	Upper
97	100		
83	89.4	69.8	104.8
85	53.6	47.3	70.9
99	63.5	49.7	74.5

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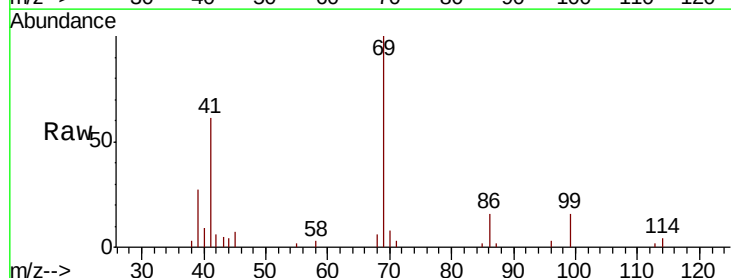


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

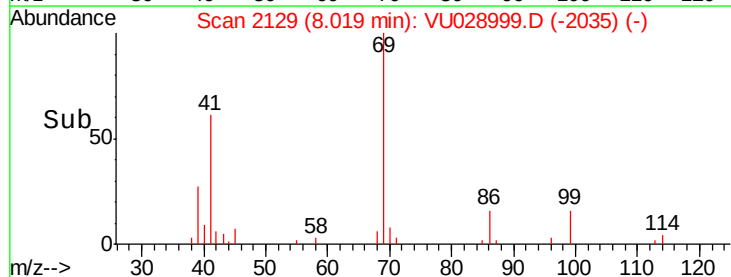
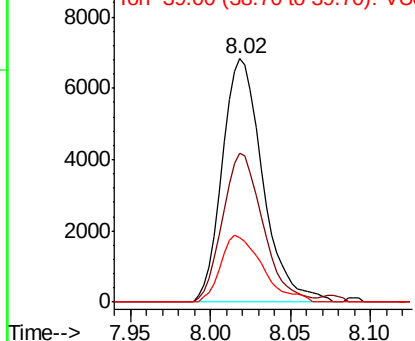


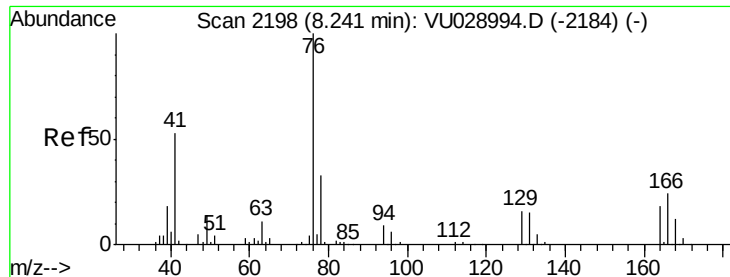
#56
 Ethyl methacrylate
 Concen: 4.670 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028999.D
 Acq: 03 Jan 2019 15:54

Tgt Ion:	69	Resp:	11843
Ion	Ratio	Lower	Upper
69	100		
41	61.0	47.5	71.3
39	28.2	22.5	33.7



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 4.788 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 13488

Ion Ratio Lower Upper

76 100

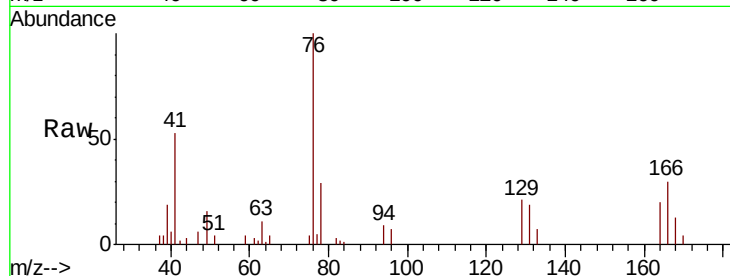
78 31.2 26.0 39.0

Manual Integrations

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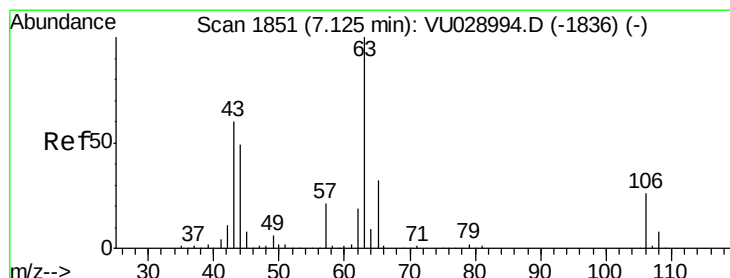
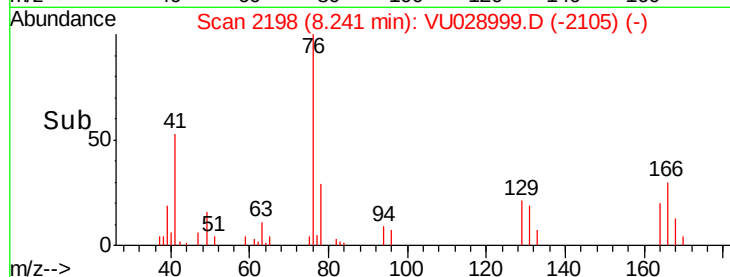
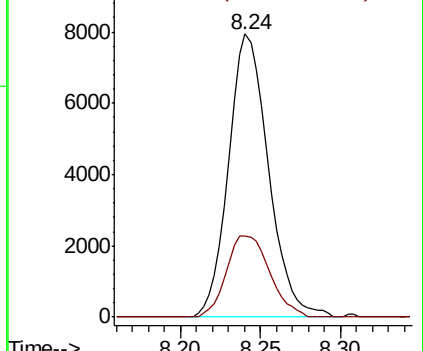
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 23.399 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU028999.D

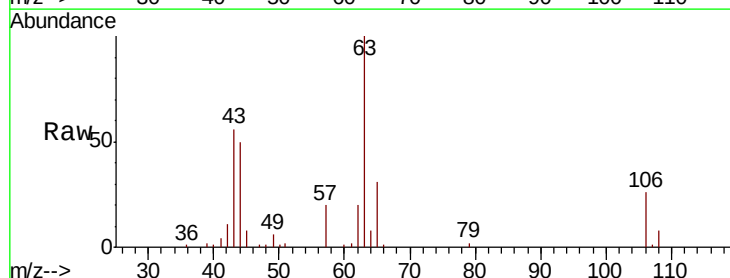
Acq: 03 Jan 2019 15:54

Tgt Ion: 63 Resp: 26097

Ion Ratio Lower Upper

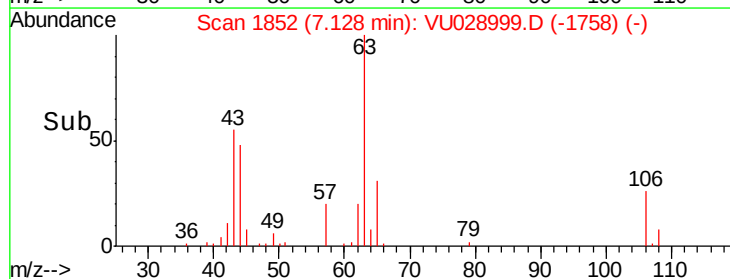
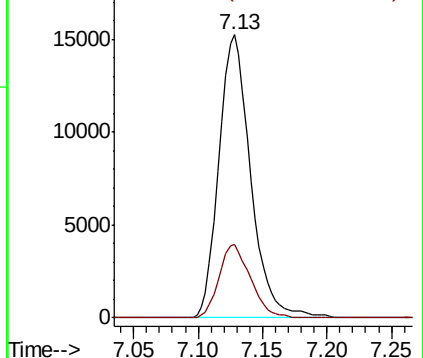
63 100

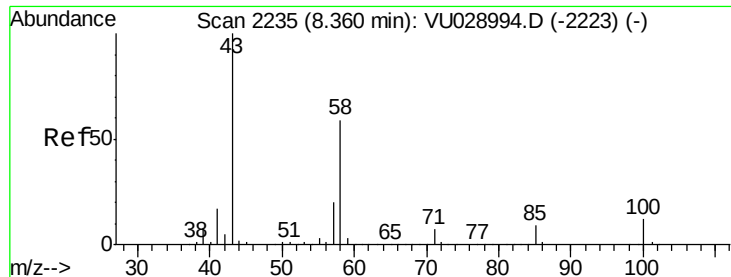
106 25.5 20.6 31.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





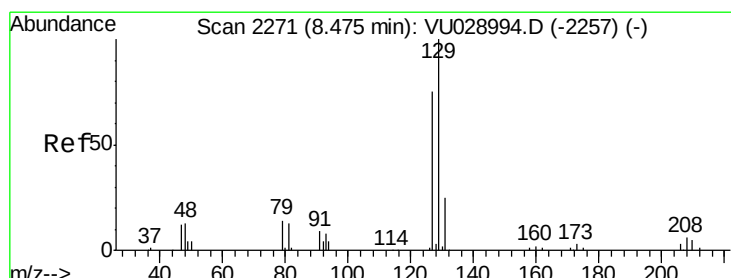
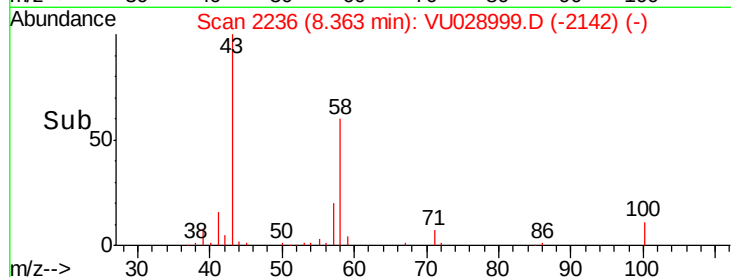
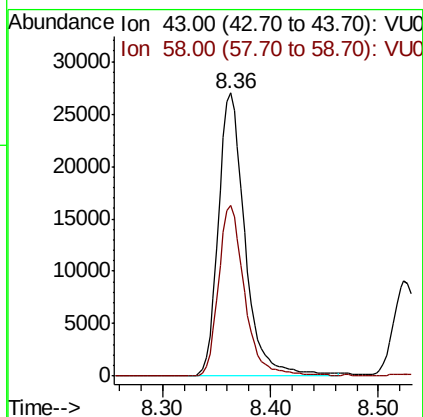
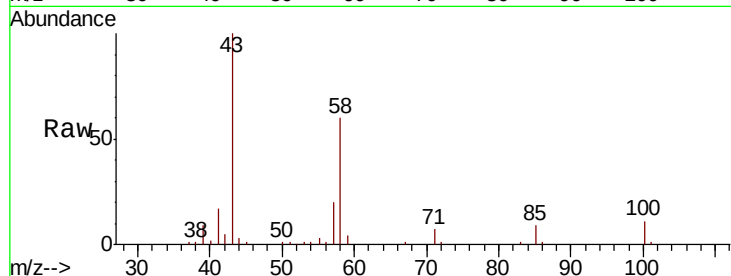
#59
2-Hexanone
Concen: 23.879 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 46480
Ion Ratio Lower Upper
43 100
58 58.7 29.8 89.4

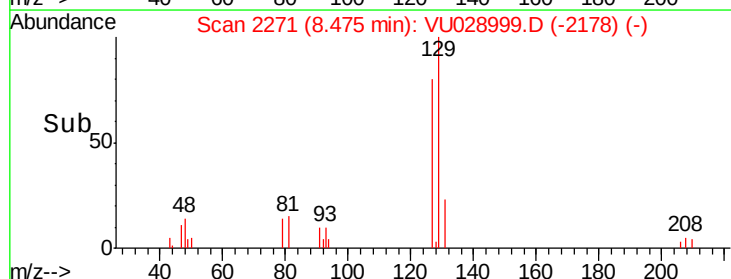
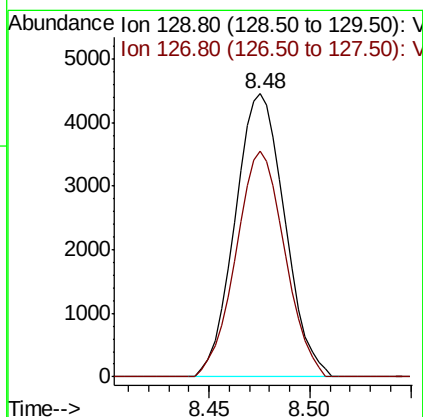
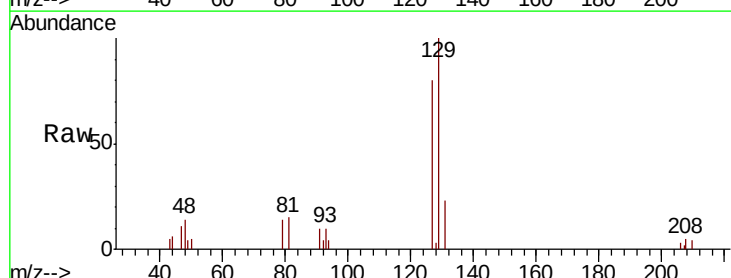
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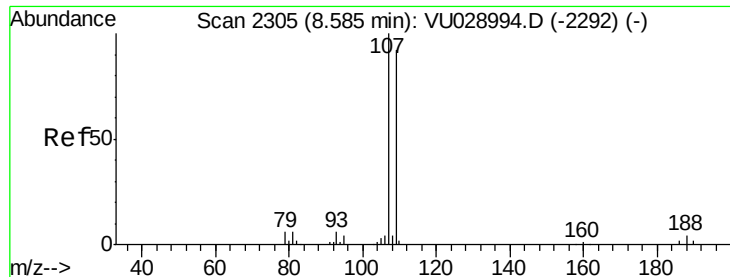
MMDadoda
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#60
Dibromochloromethane
Concen: 4.717 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion: 129 Resp: 7693
Ion Ratio Lower Upper
129 100
127 78.3 38.0 114.0





#61

1,2-Dibromoethane

Concen: 4.708 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 107 Resp: 8406

Ion Ratio Lower Upper

107 100

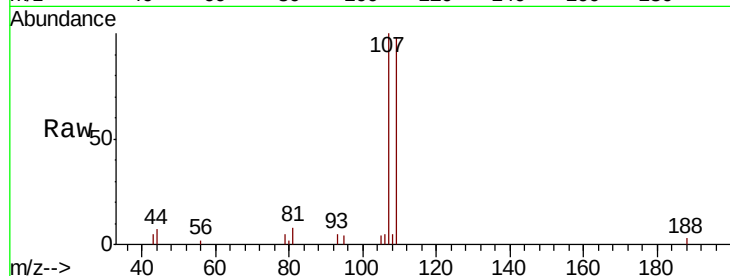
109 95.3 75.5 113.3

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

5000

4000

3000

2000

1000

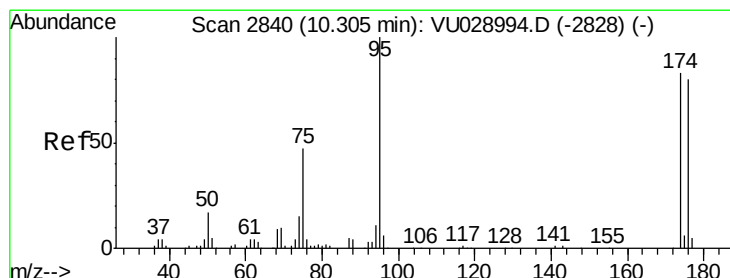
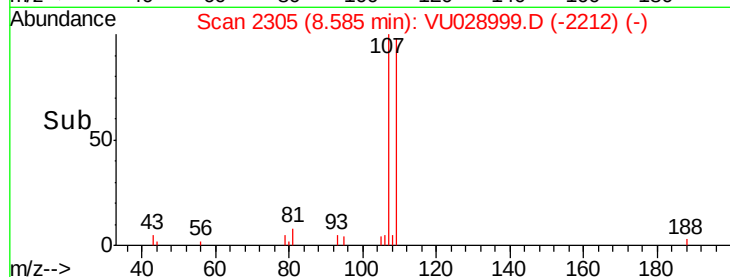
0

8.55

8.60

8.65

Time-->



#62

4-Bromofluorobenzene

Concen: 4.539 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

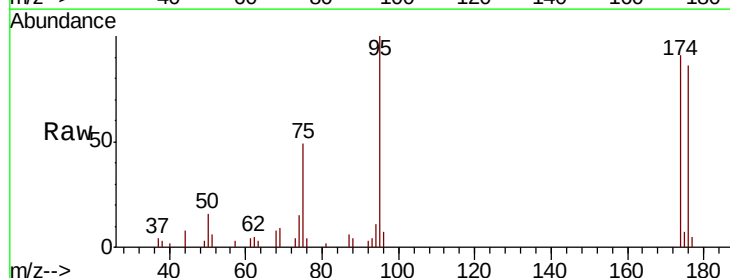
Tgt Ion: 95 Resp: 9038

Ion Ratio Lower Upper

95 100

174 87.7 0.0 170.6

176 82.1 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

6000

4000

2000

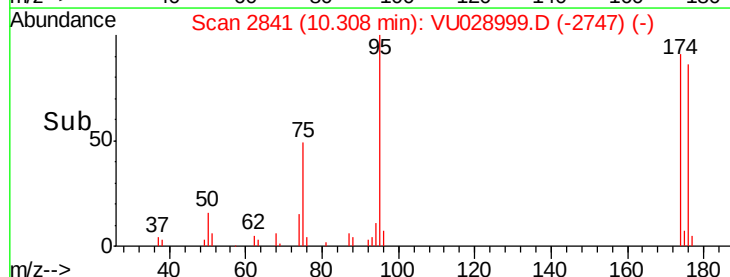
0

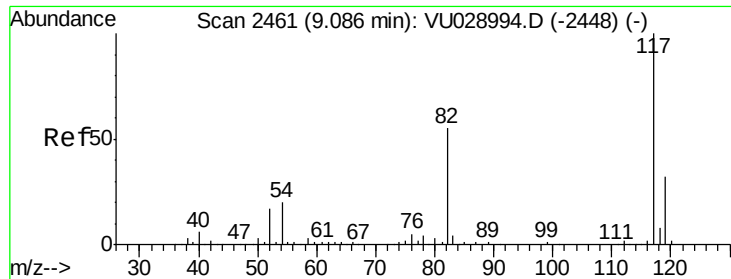
10.25

10.30

10.35

Time-->





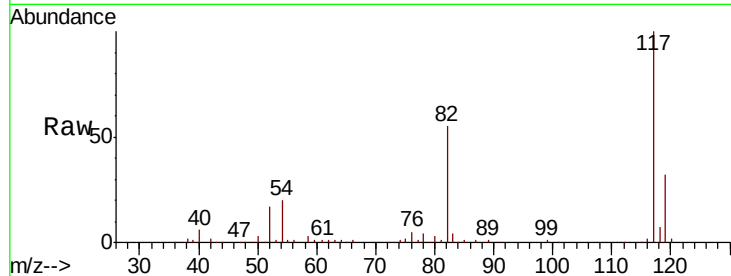
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	198634		
82	55.5	43.9	65.9	
119	31.7	26.0	39.0	

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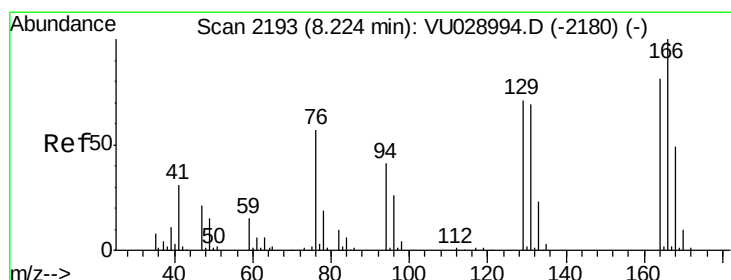
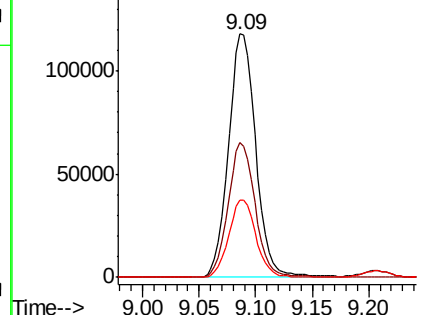
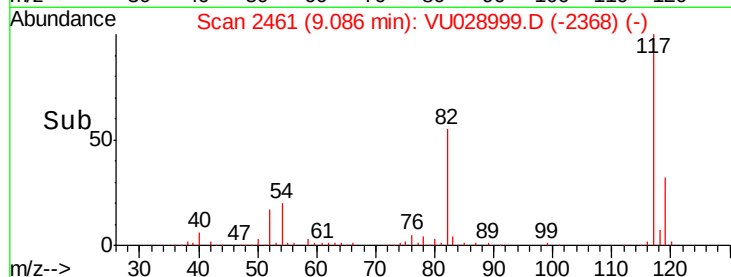


Abundance

Ion 116.90 (116.60 to 117.60): V

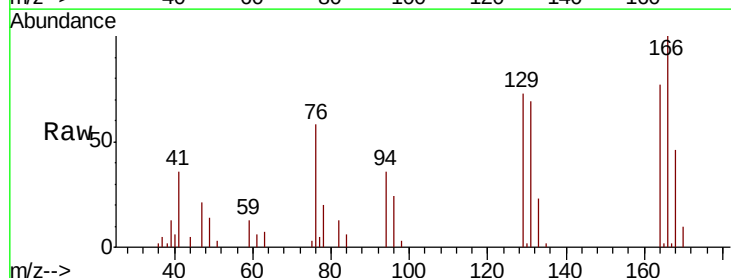
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 4.854 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	6946		
166	130.4	99.4	149.0	
129	94.7	70.5	105.7	
131	89.4	69.0	103.6	



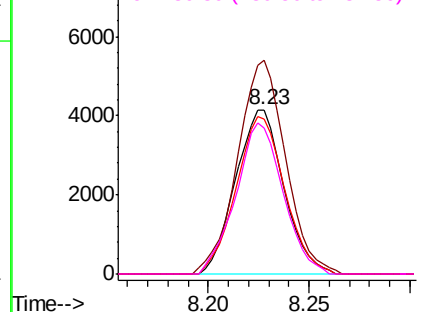
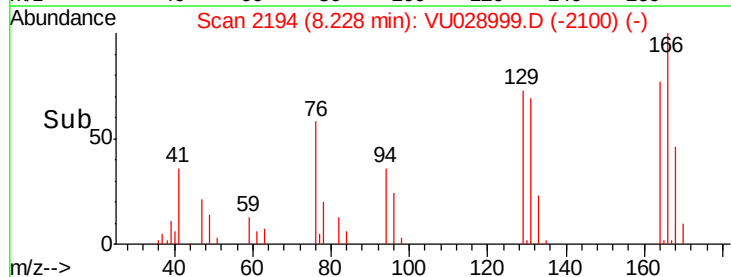
Abundance

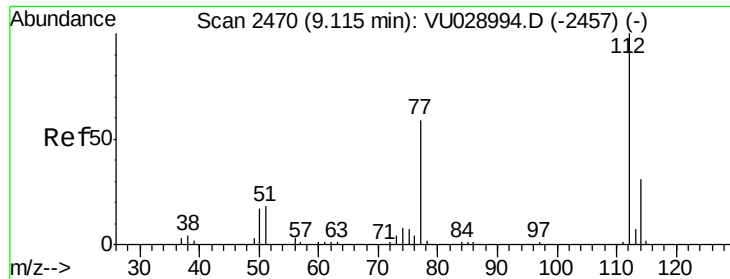
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





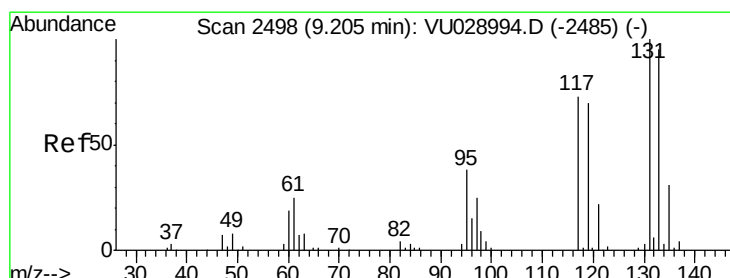
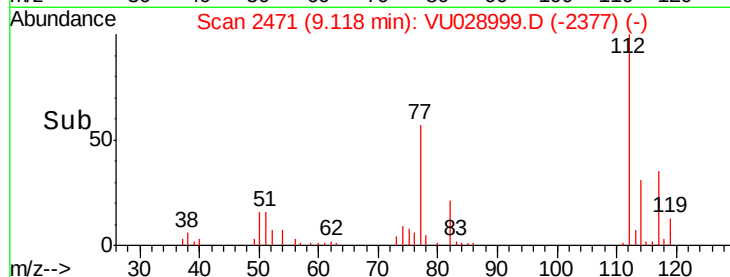
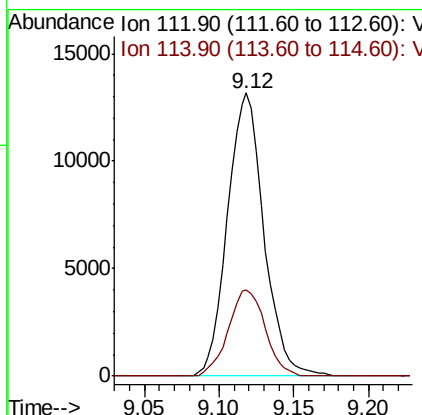
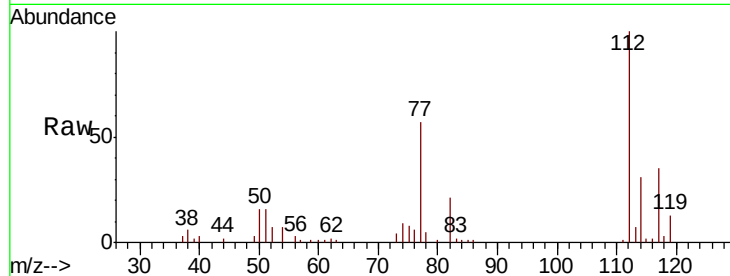
#65
Chlorobenzene
Concen: 5.004 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 22282
Ion Ratio Lower Upper
112 100
114 30.7 25.0 37.6

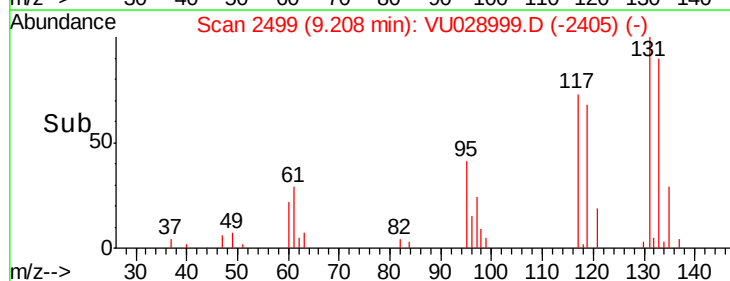
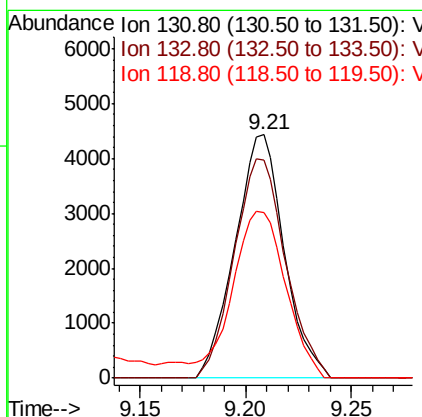
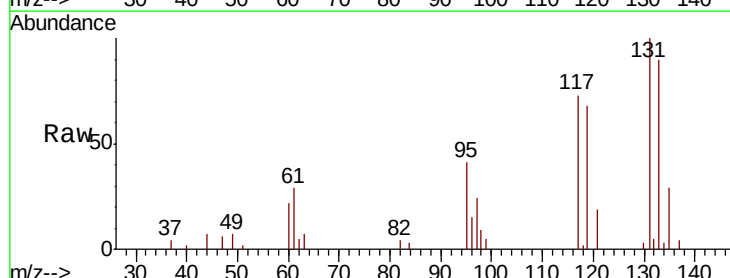
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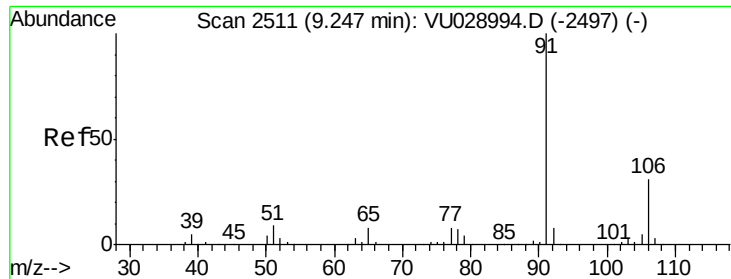
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.962 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion:131 Resp: 7170
Ion Ratio Lower Upper
131 100
133 94.2 48.2 144.6
119 74.8 35.4 106.3





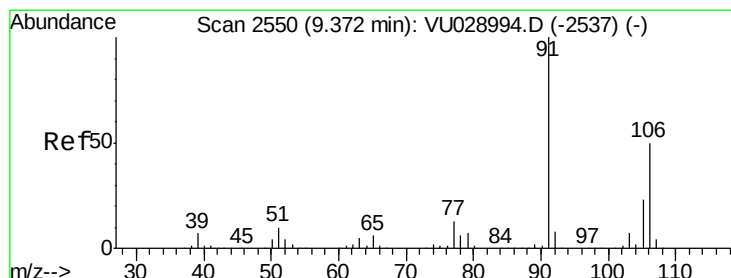
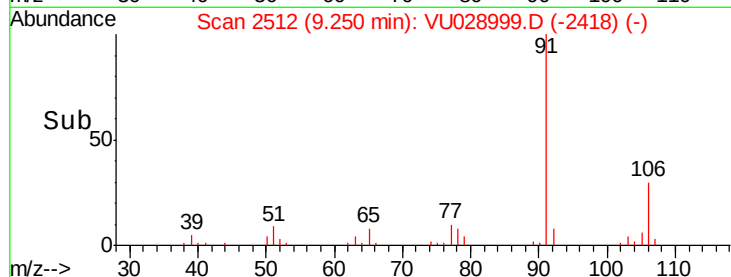
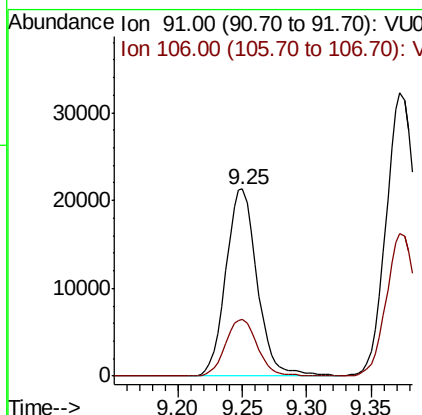
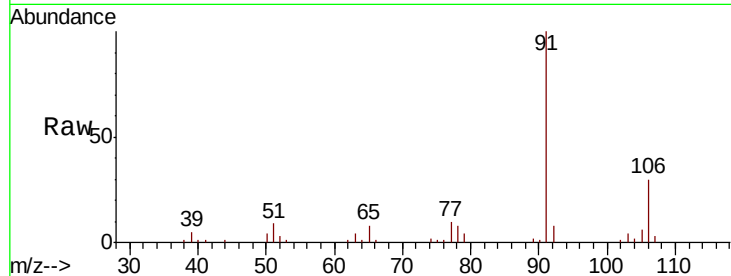
#67
Ethyl Benzene
Concen: 4.831 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 35910
Ion Ratio Lower Upper
91 100
106 30.1 25.0 37.4

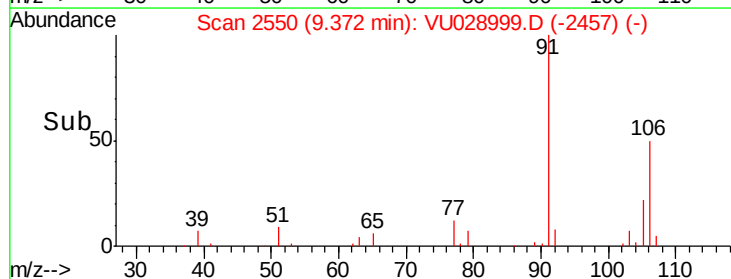
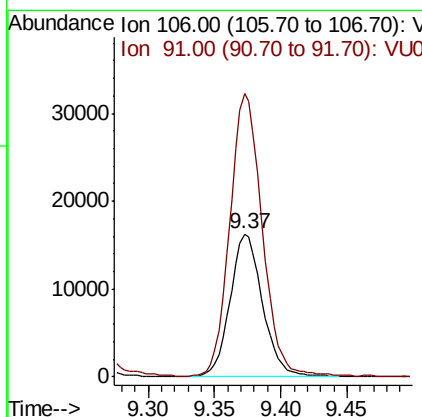
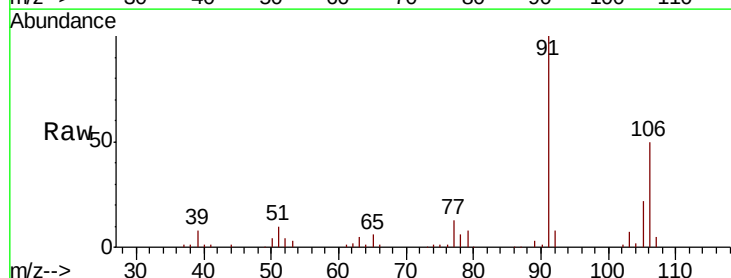
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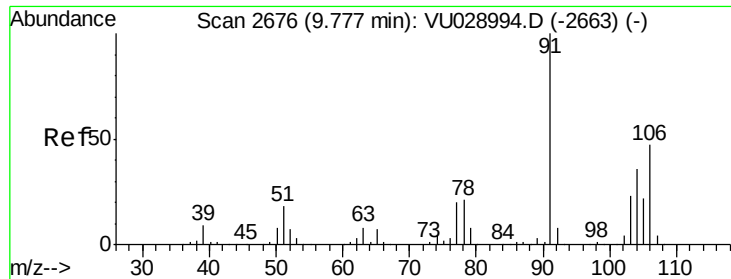
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#68
m/p-Xylenes
Concen: 9.594 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion: 106 Resp: 27710
Ion Ratio Lower Upper
106 100
91 198.6 161.7 242.5





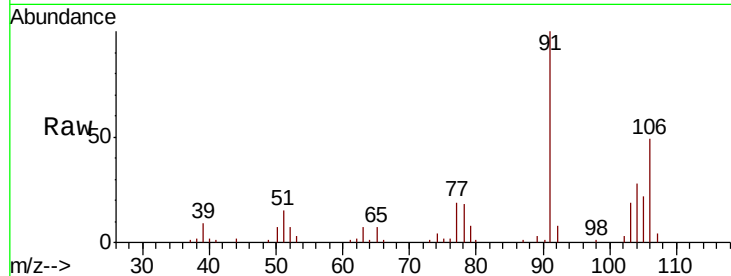
#69
o-Xylene
Concen: 4.877 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

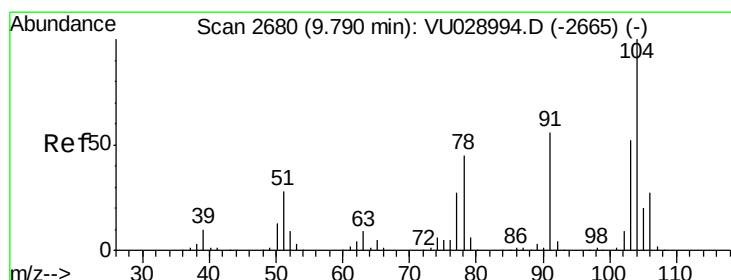
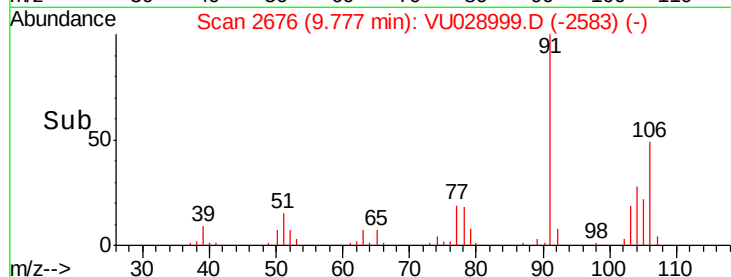
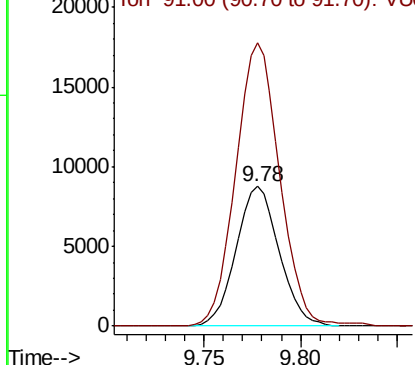
Tgt Ion:106 Resp: 13574
Ion Ratio Lower Upper
106 100
91 206.9 106.1 318.3

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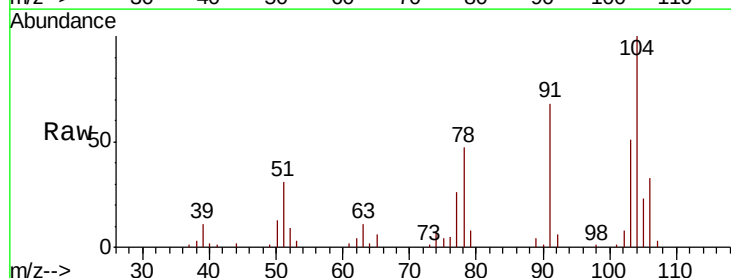


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

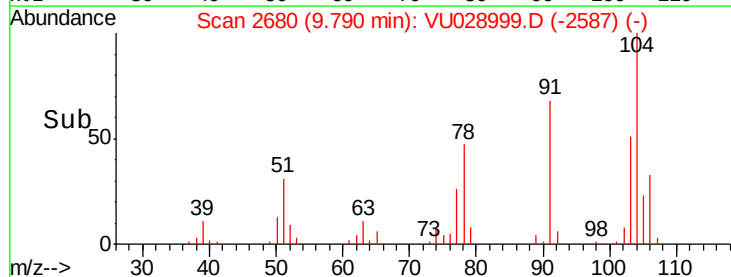
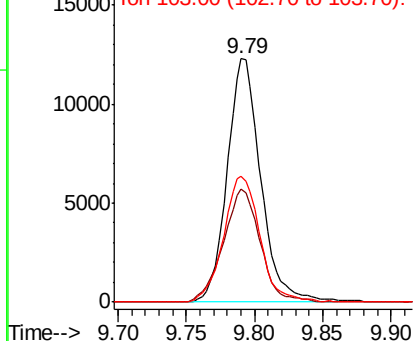


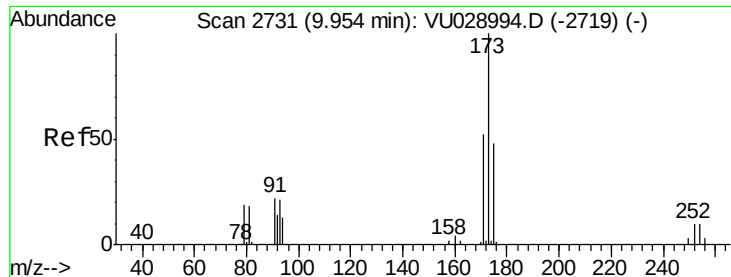
#70
Styrene
Concen: 4.608 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion:104 Resp: 21022
Ion Ratio Lower Upper
104 100
78 50.6 38.6 58.0
103 55.6 44.5 66.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 4.649 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Instrument :

MSVOA_U

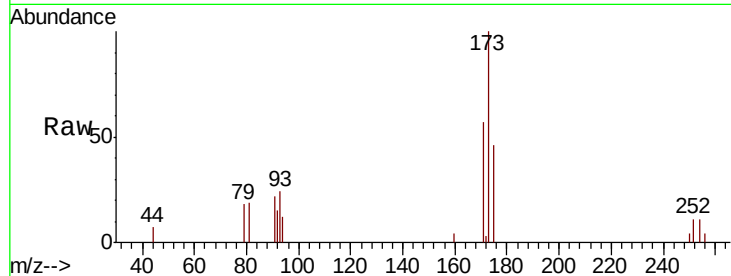
ClientSampleId :

VSTDIC005

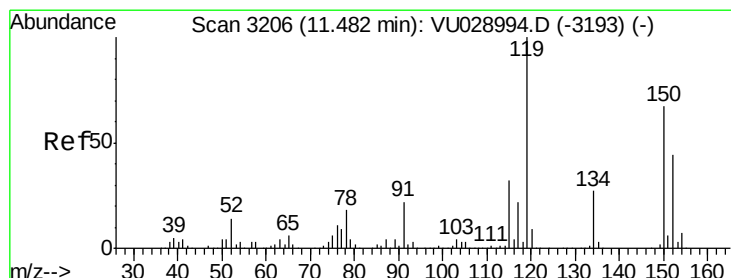
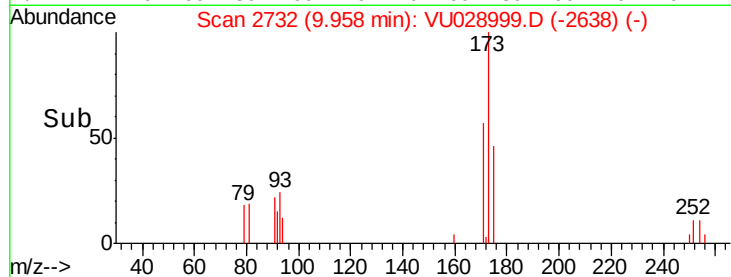
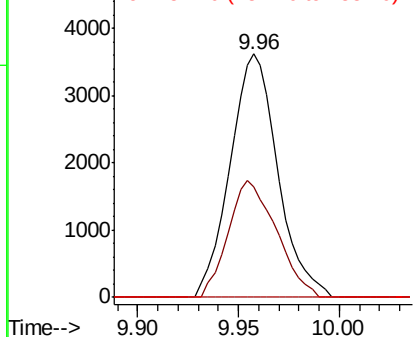
Tgt Ion:	173	Resp:	5981
Ion Ratio	Lower	Upper	
173	100		
175	48.4	23.8	71.2
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

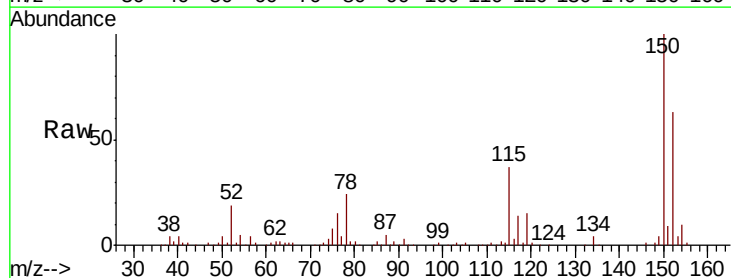
RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

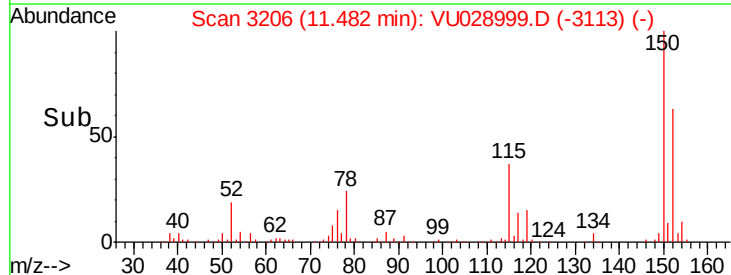
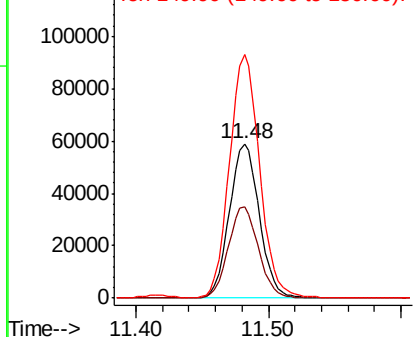
Lab File: VU028999.D

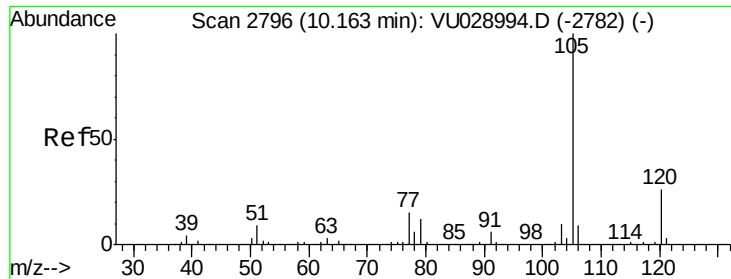
Acq: 03 Jan 2019 15:54

Tgt Ion:	152	Resp:	92439
Ion Ratio	Lower	Upper	
152	100		
115	59.6	40.1	120.3
150	158.5	0.0	345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





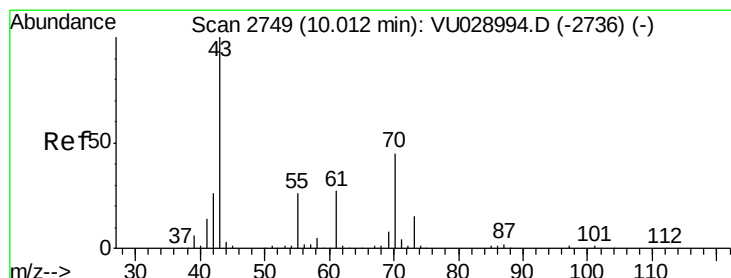
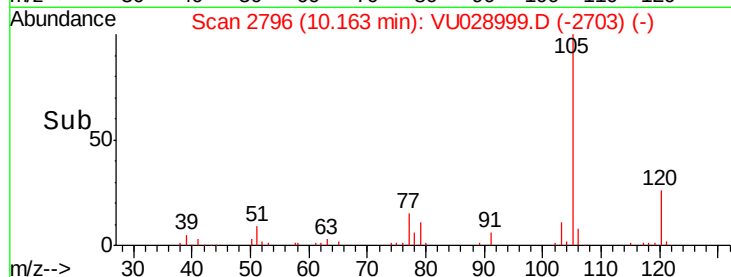
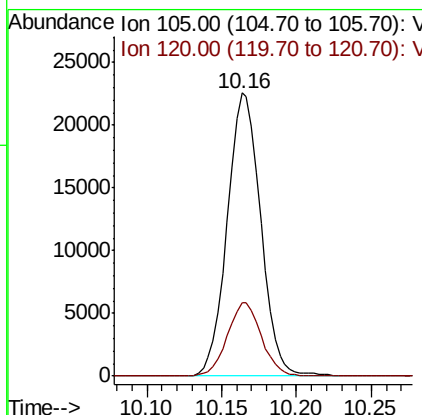
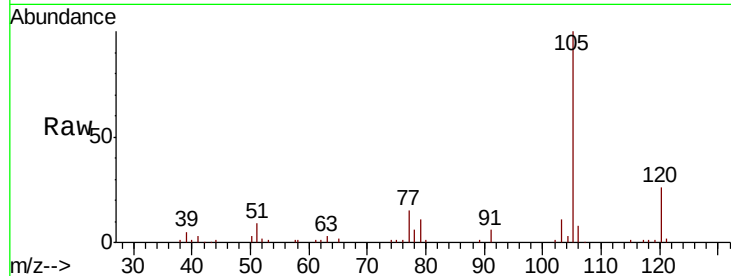
#73
Isopropylbenzene
Concen: 5.138 ug/l
RT: 10.16 min Scan# 2796
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 105 Resp: 35157
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

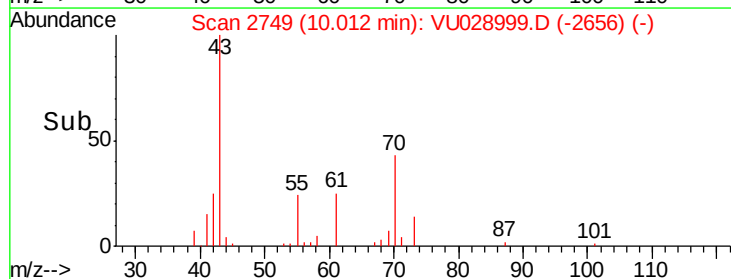
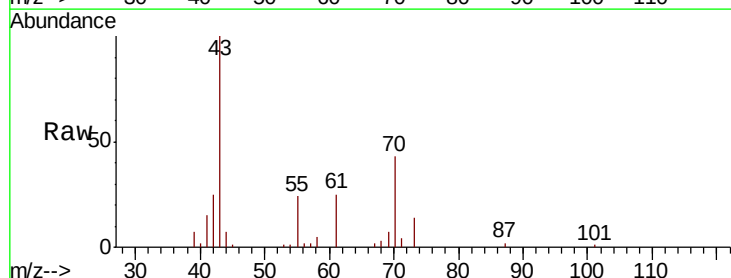
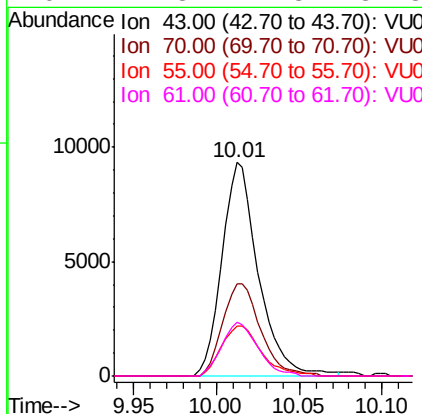
Manual Integrations
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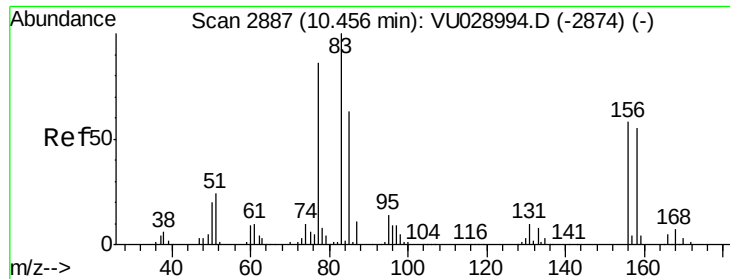
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#74
N-ethyl acetate
Concen: 4.832 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion: 43 Resp: 14246
Ion Ratio Lower Upper
43 100
70 44.9 36.3 54.5
55 25.6 20.5 30.7
61 24.8 21.8 32.8





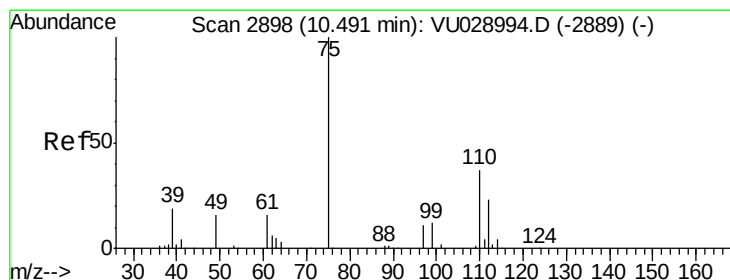
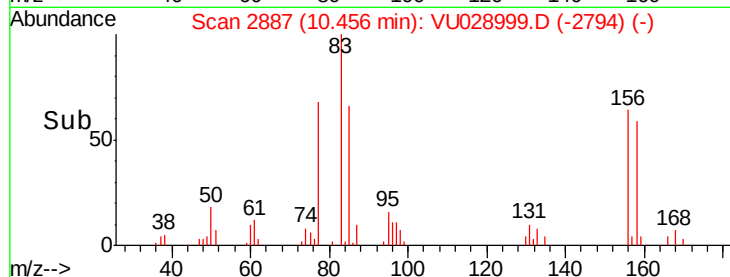
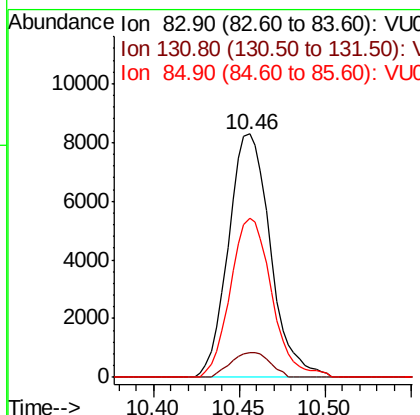
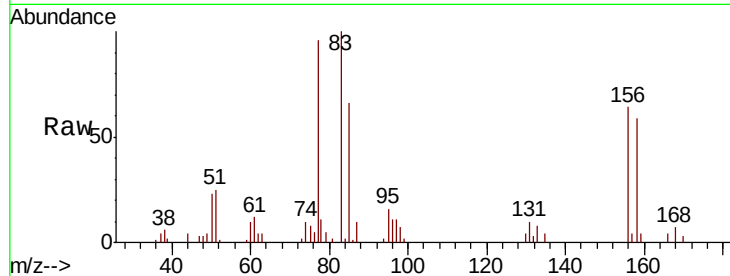
#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.149 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: VU028999.D
 Acq: 03 Jan 2019 15:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	14121		
131	9.4	4.7	14.1	
85	64.5	32.0	96.2	

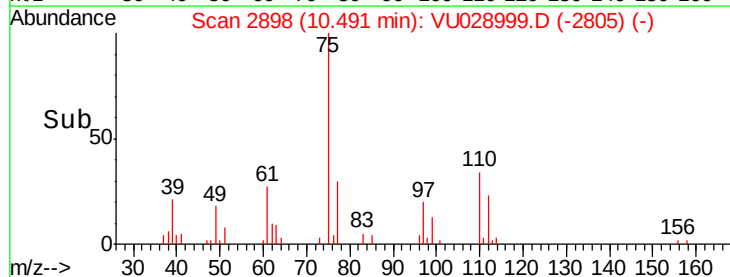
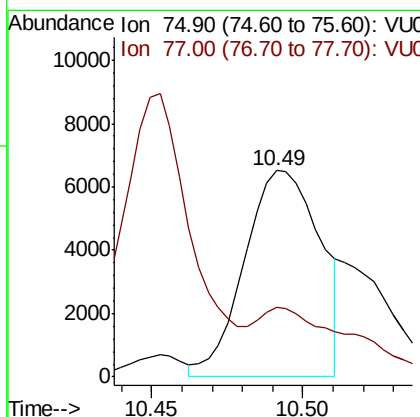
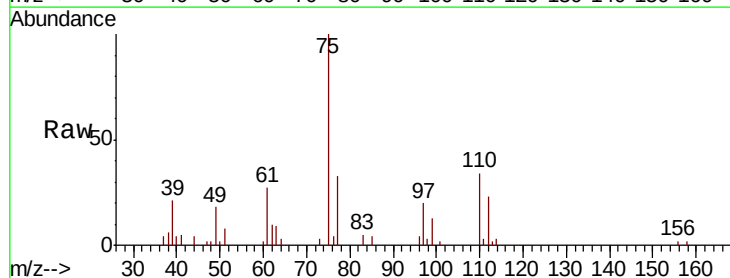
Manual Integrations
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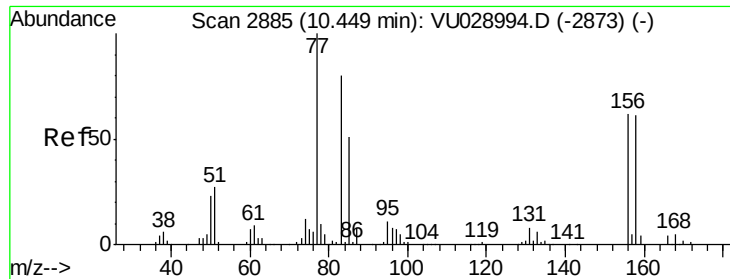
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 4.860 ug/l m
 RT: 10.49 min Scan# 2898
 Delta R.T. 0.00 min
 Lab File: VU028999.D
 Acq: 03 Jan 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11401		
77	41.9	20.9	62.8	





#77

Bromobenzene

Concen: 5.078 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Instrument :

MSVOA_U

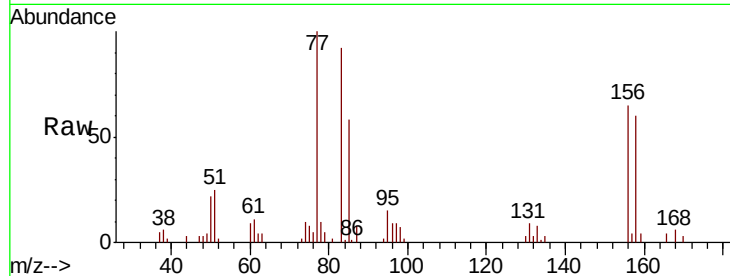
ClientSampleId :

VSTDIC005

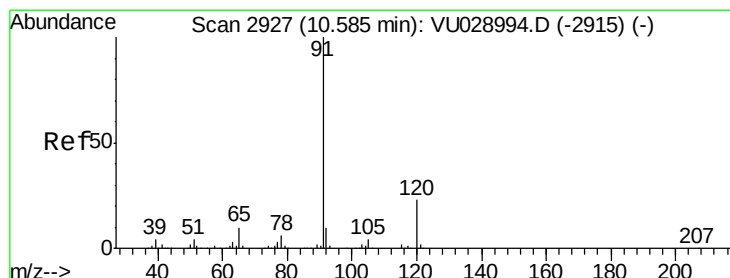
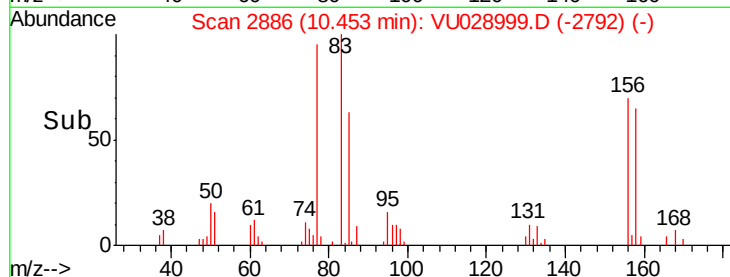
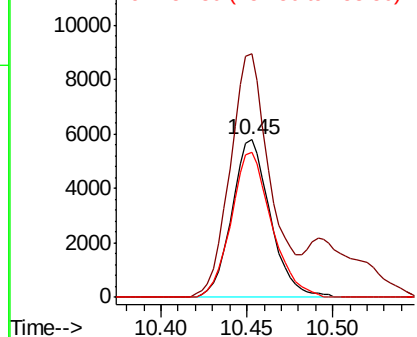
Tgt Ion: 156 Resp: 9055
 Ion Ratio Lower Upper
 156 100
 77 161.9 79.0 237.2
 158 96.4 48.9 146.6

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.838 ug/l

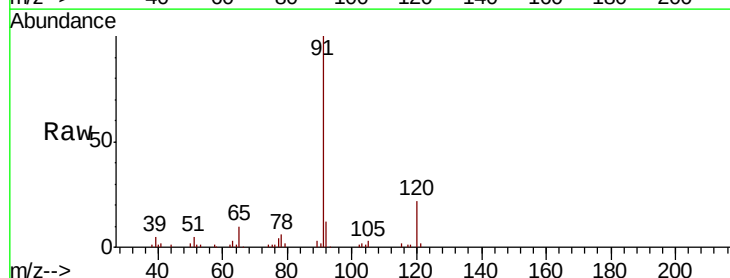
RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

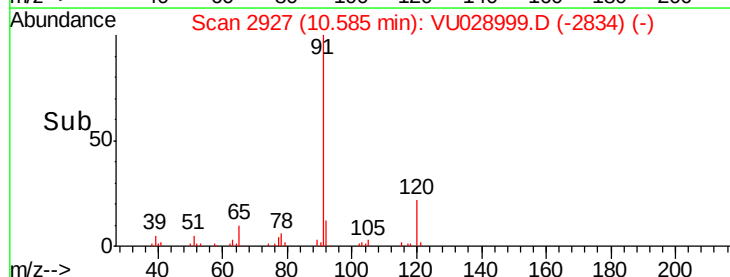
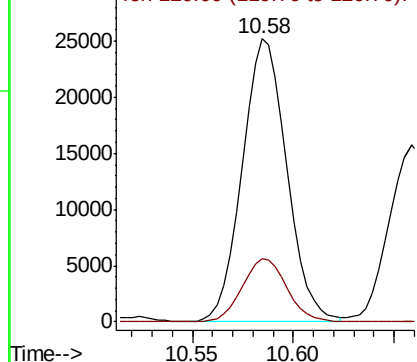
Lab File: VU028999.D

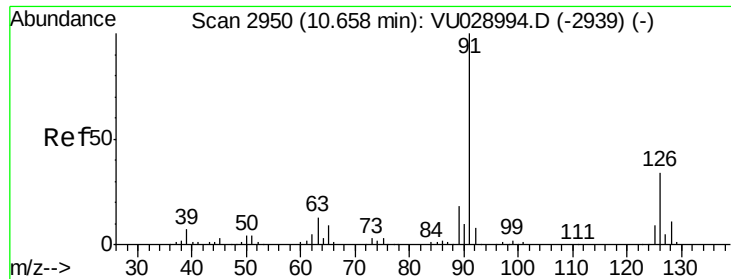
Acq: 03 Jan 2019 15:54

Tgt Ion: 91 Resp: 39010
 Ion Ratio Lower Upper
 91 100
 120 22.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 120.00 (119.70 to 120.70): V





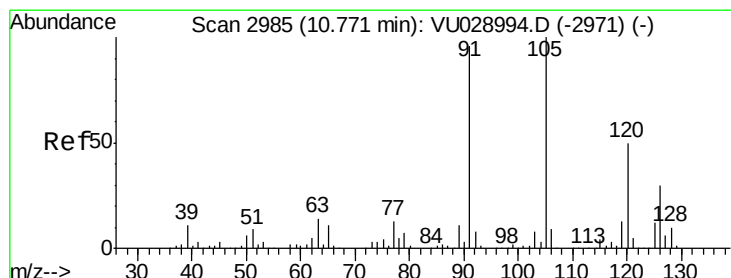
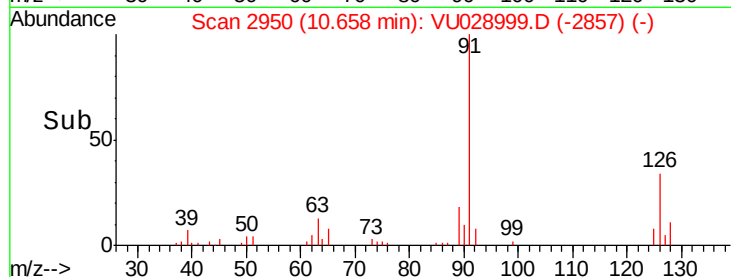
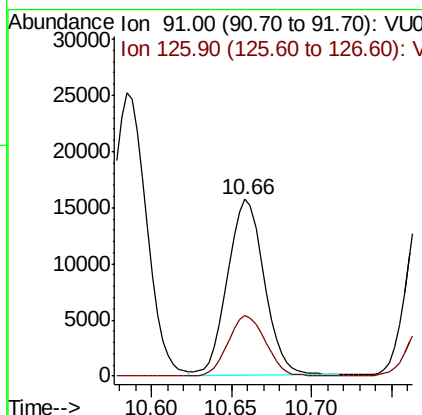
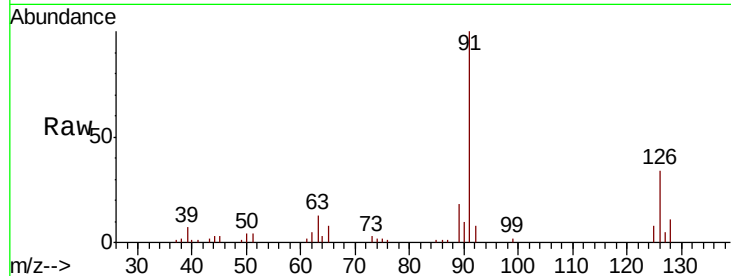
#79
 2-Chlorotoluene
 Concen: 5.050 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU028999.D
 Acq: 03 Jan 2019 15:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 91 Resp: 24702
 Ion Ratio Lower Upper
 91 100
 126 34.5 16.8 50.4

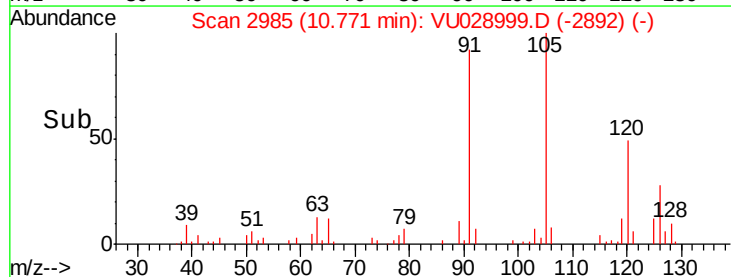
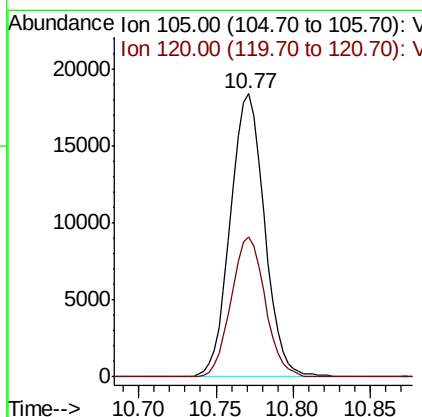
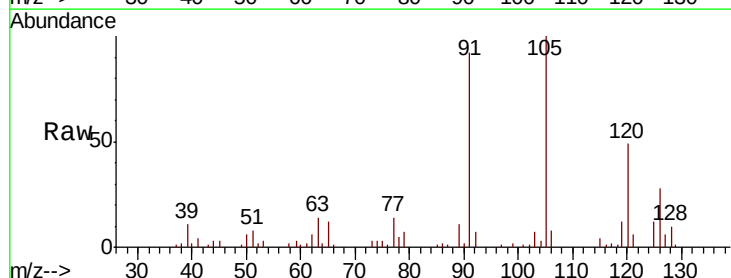
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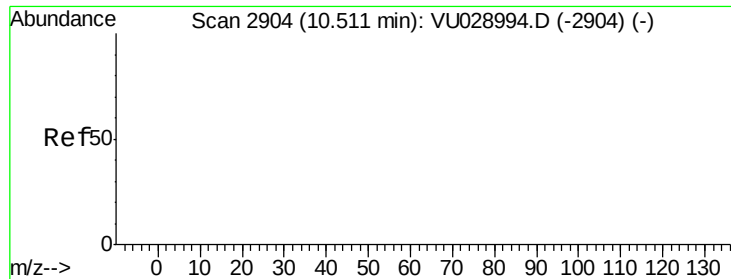
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#80
 1,3,5-Trimethylbenzene
 Concen: 4.945 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028999.D
 Acq: 03 Jan 2019 15:54

Tgt Ion: 105 Resp: 28254
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 3.875 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Instrument :

MSVOA_U

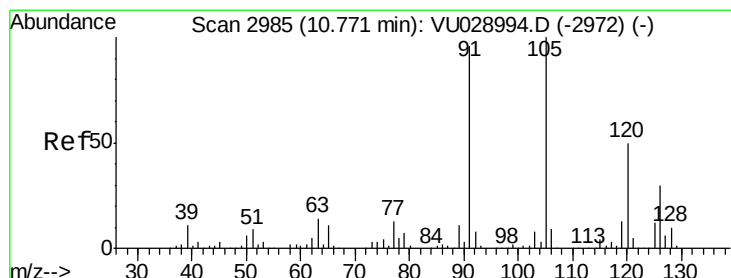
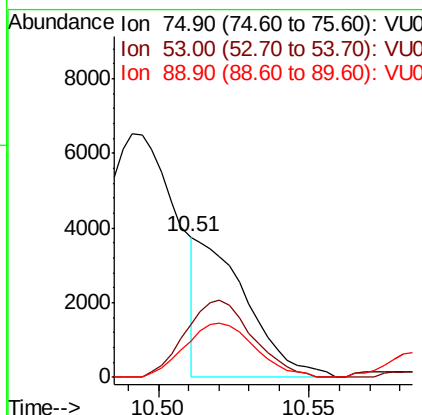
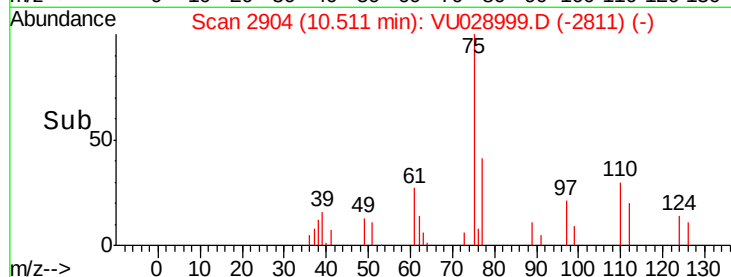
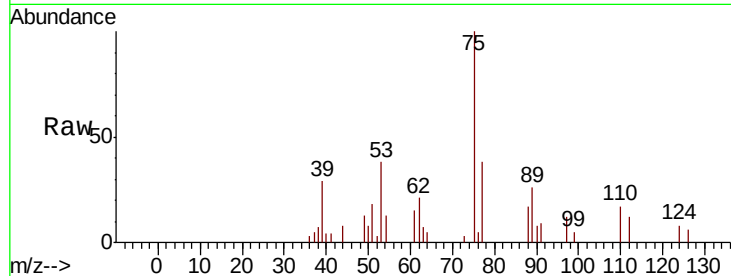
ClientSampleId :

VSTDIC005

Tgt Ion:	75	Resp:	4333
Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 4.933 ug/l

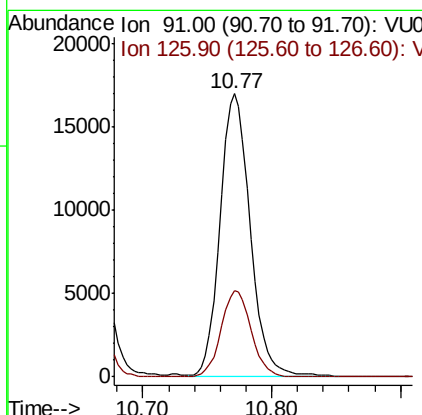
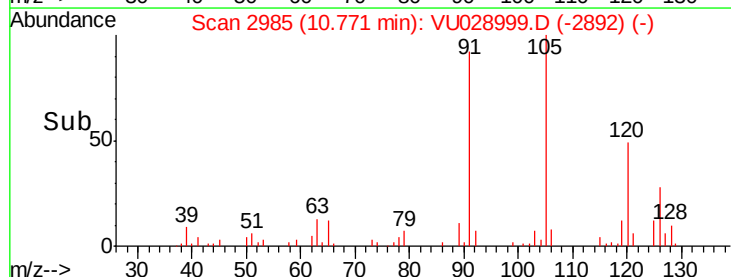
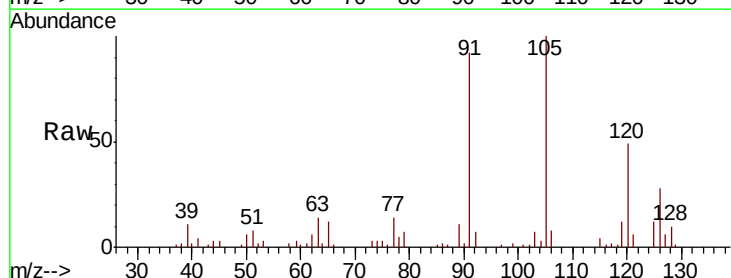
RT: 10.77 min Scan# 2985

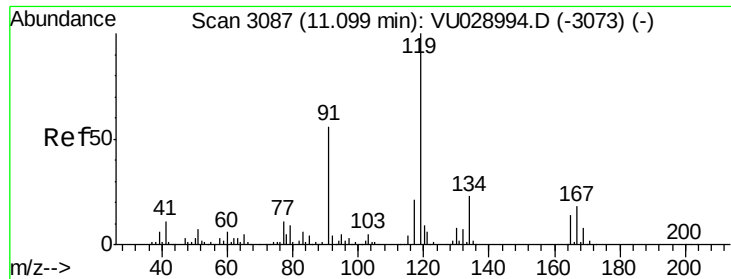
Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Tgt Ion:	91	Resp:	27668
Ion	Ratio	Lower	Upper
91	100		
126	30.1	15.5	46.5





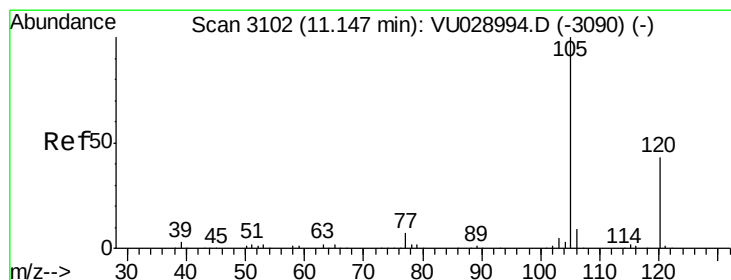
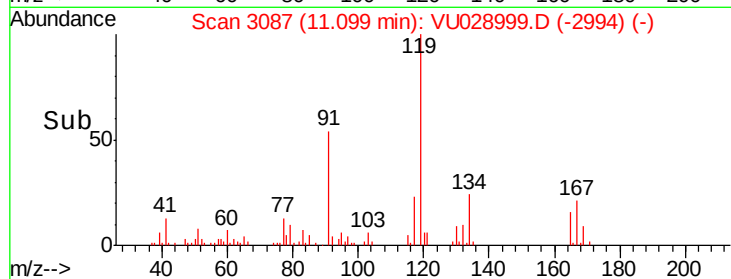
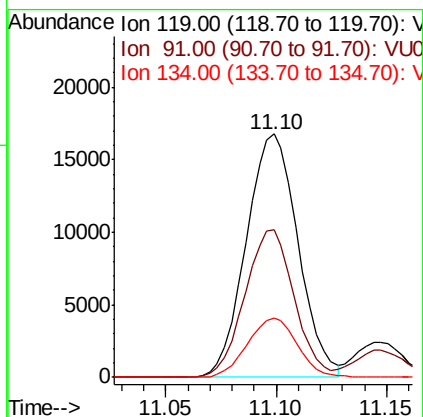
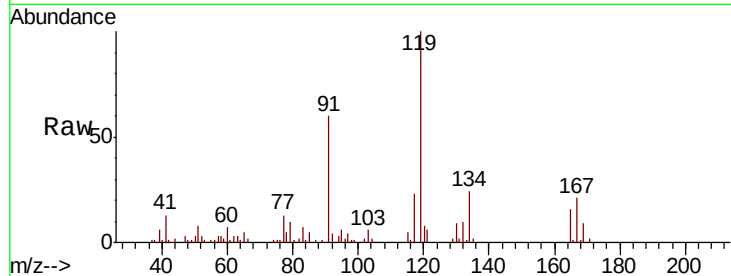
#83
 tert-Butylbenzene
 Concen: 4.839 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028999.D
 Acq: 03 Jan 2019 15:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	27253		
91	57.5	28.2	84.6	
134	23.4	11.3	33.8	

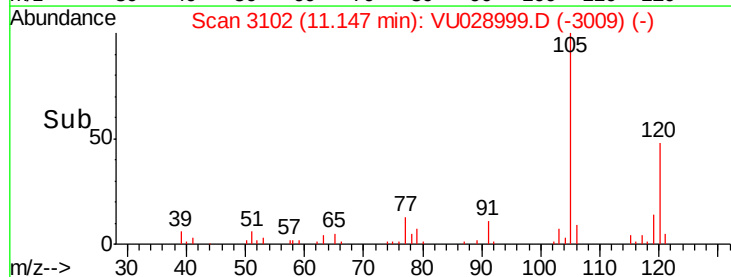
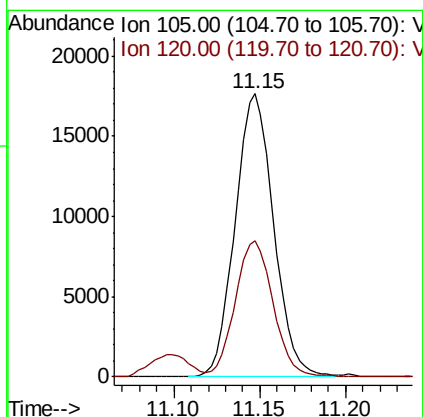
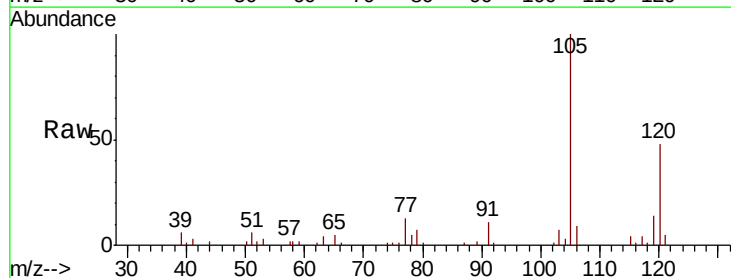
Manual Integrations
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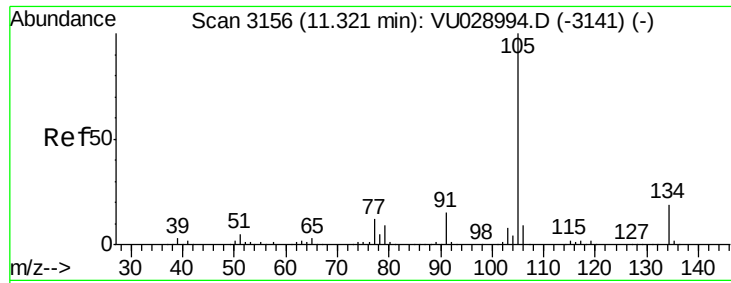
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.811 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028999.D
 Acq: 03 Jan 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	27445		
120	47.3	23.1	69.3	





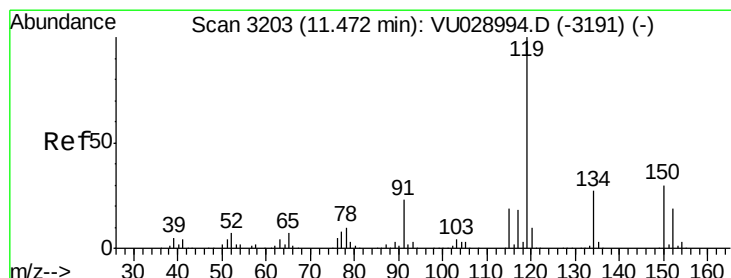
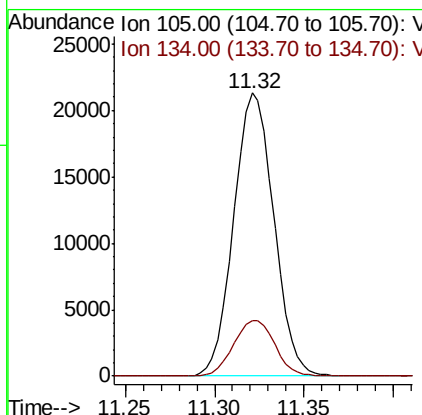
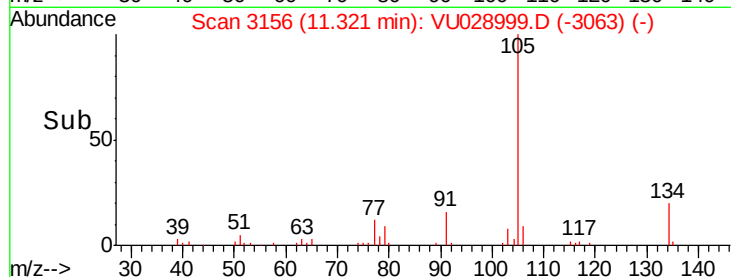
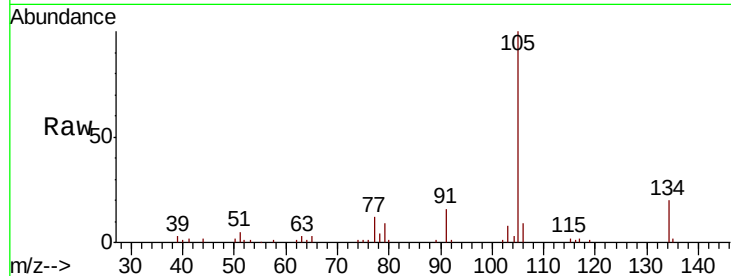
#85
 sec-Butylbenzene
 Concen: 4.895 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU028999.D
 Acq: 03 Jan 2019 15:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:105 Resp: 33339
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.7 29.1

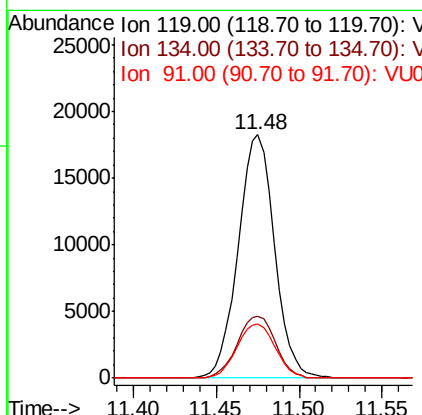
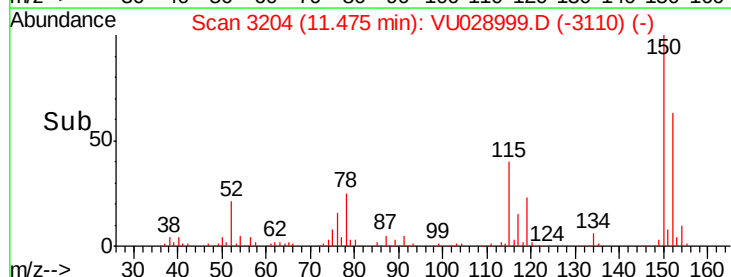
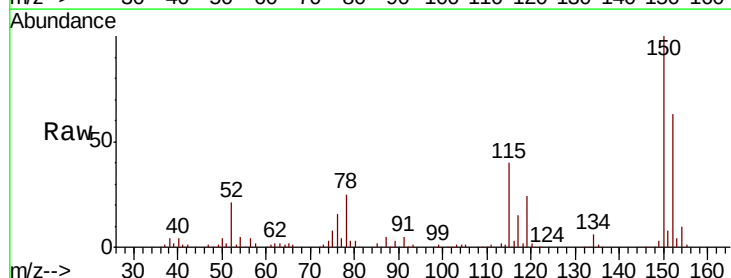
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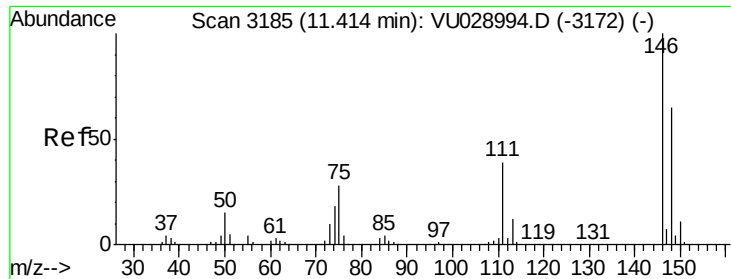
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#86
 p-Isopropyltoluene
 Concen: 4.790 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028999.D
 Acq: 03 Jan 2019 15:54

Tgt Ion:119 Resp: 27799
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.5 40.4
 91 23.4 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 4.768 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Instrument :

MSVOA_U

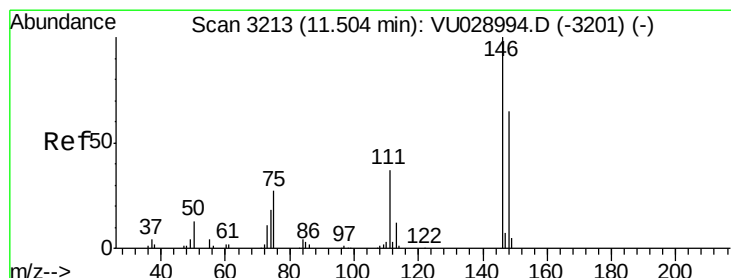
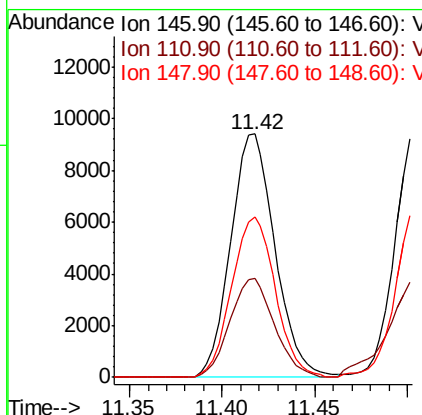
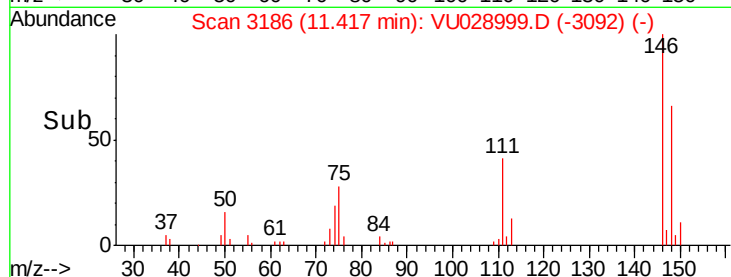
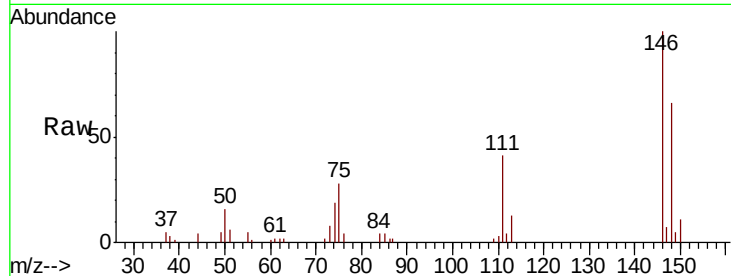
ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	15594
Ion Ratio	Lower	Upper	
146	100		
111	40.6	19.3	57.8
148	64.9	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 4.981 ug/l

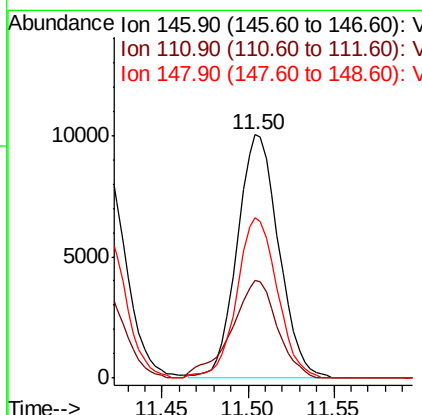
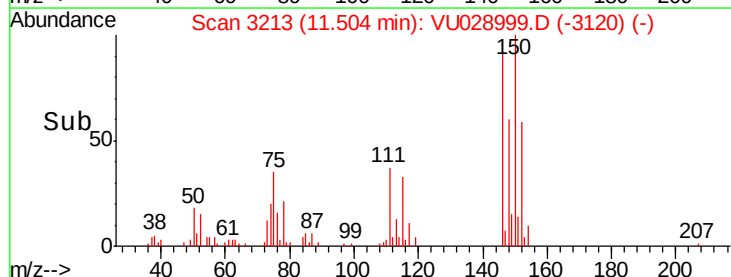
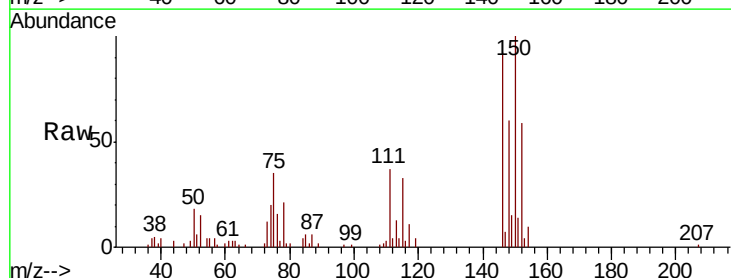
RT: 11.50 min Scan# 3213

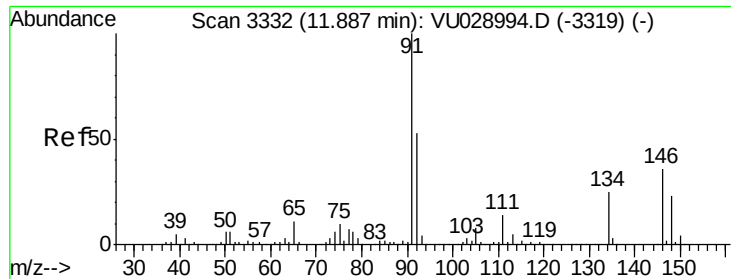
Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Tgt Ion:	146	Resp:	16815
Ion Ratio	Lower	Upper	
146	100		
111	44.2	19.1	57.3
148	64.0	32.6	98.0





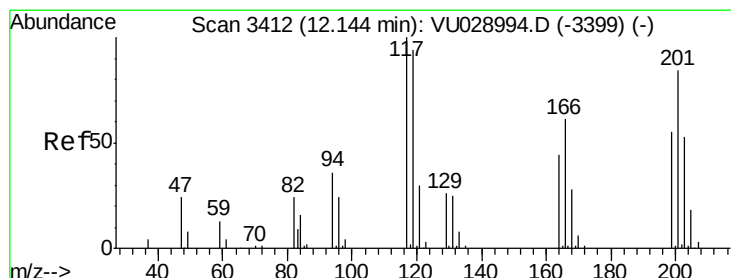
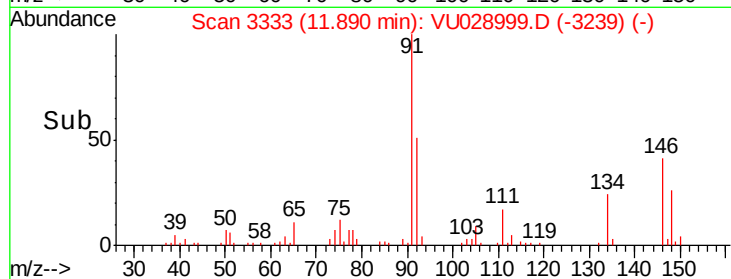
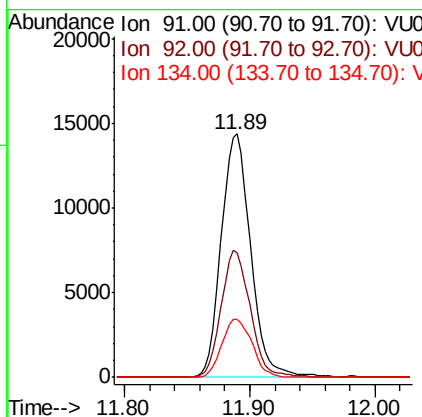
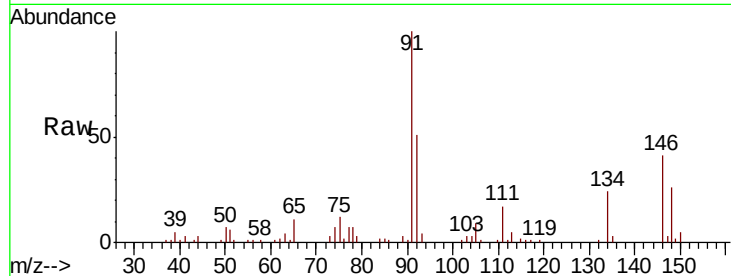
#89
n-Butylbenzene
Concen: 4.532 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.2	78.5
134	24.2	12.6	37.6

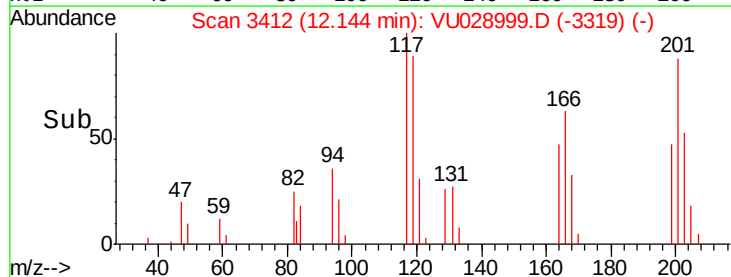
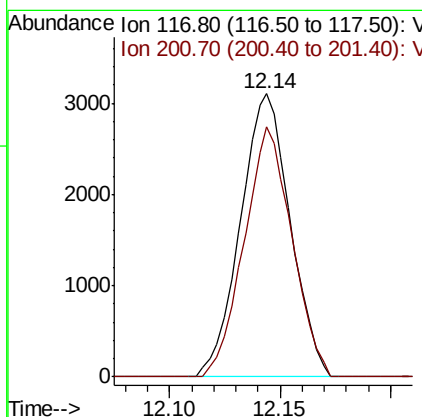
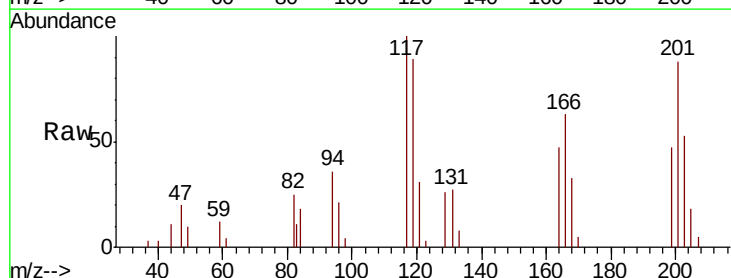
Manual Integrations
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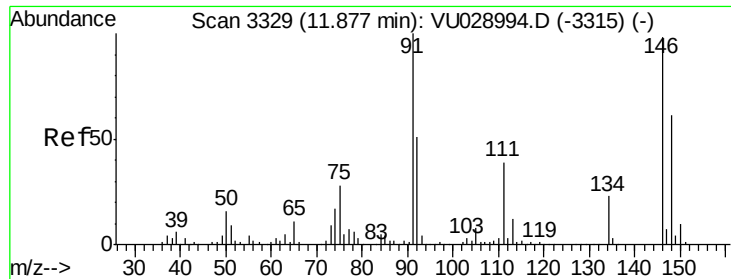
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#90
Hexachloroethane
Concen: 4.988 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.7	42.4	127.3





#91

1,2-Dichlorobenzene

Concen: 4.984 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

Instrument :

MSVOA_U

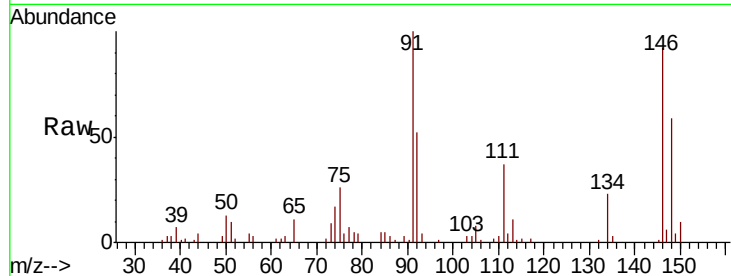
ClientSampleId :

VSTDIC005

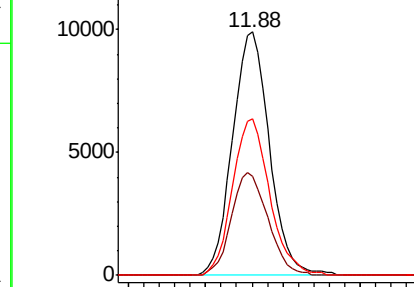
Tgt Ion:	146	Resp:	16419
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.0	59.9
148	64.8	31.6	94.8

Manual Integrations
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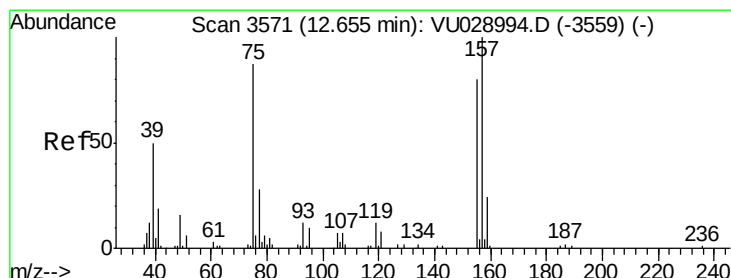
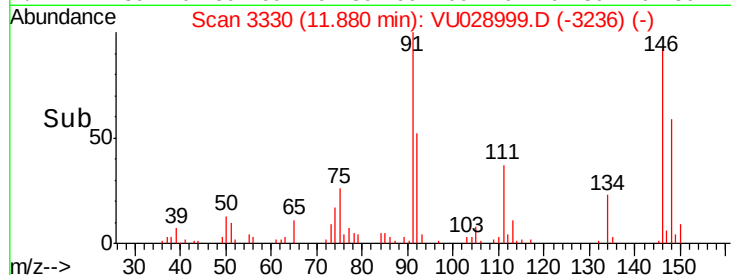
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.749 ug/l

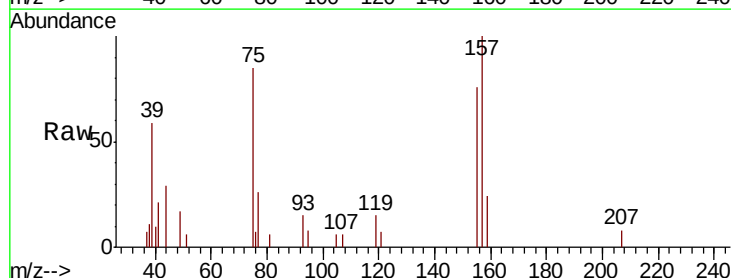
RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

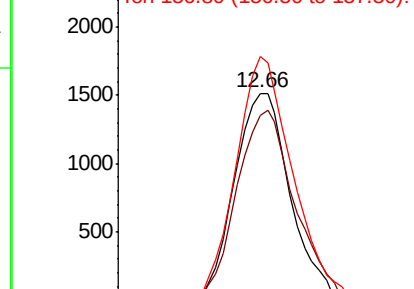
Lab File: VU028999.D

Acq: 03 Jan 2019 15:54

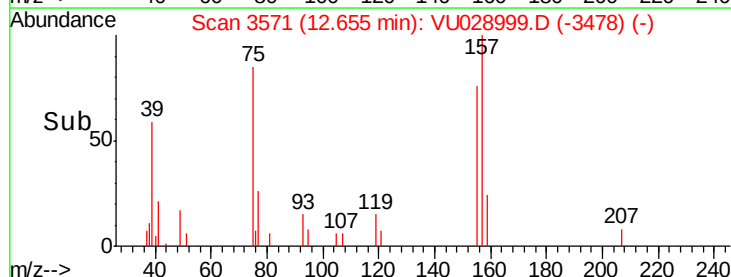
Tgt Ion:	75	Resp:	2505
Ion Ratio	Lower	Upper	
75	100		
155	95.7	46.3	138.8
157	119.9	57.4	172.0

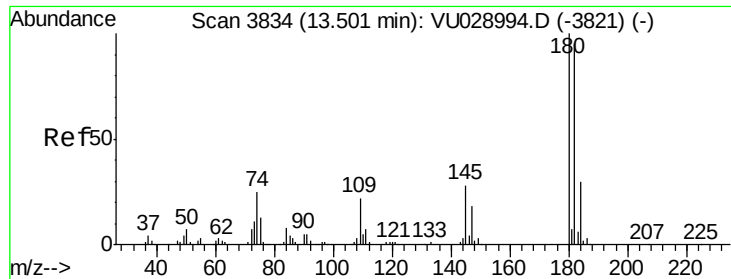


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V



Time-->





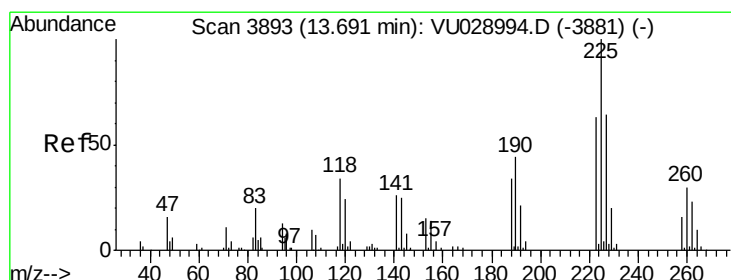
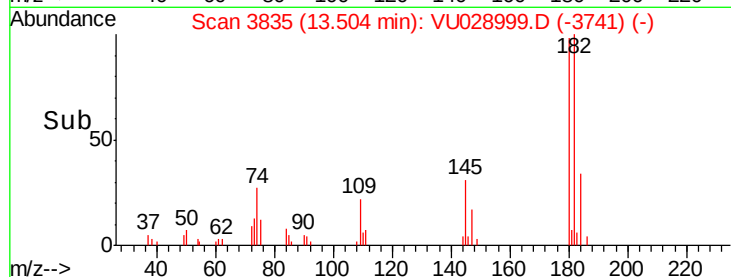
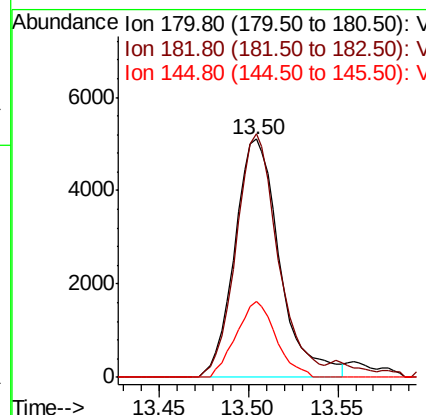
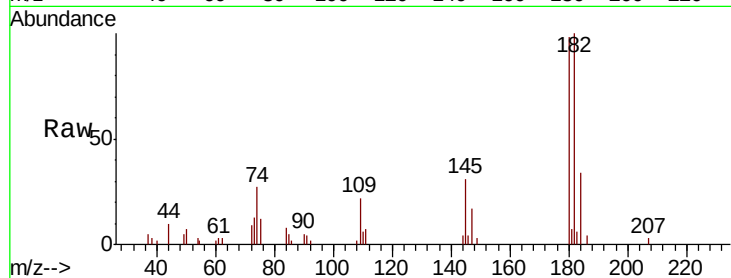
#93
1,2,4-Trichlorobenzene
Concen: 4.278 ug/l
RT: 13.50 min Scan# 3835
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.6
145	28.1	14.0	42.0

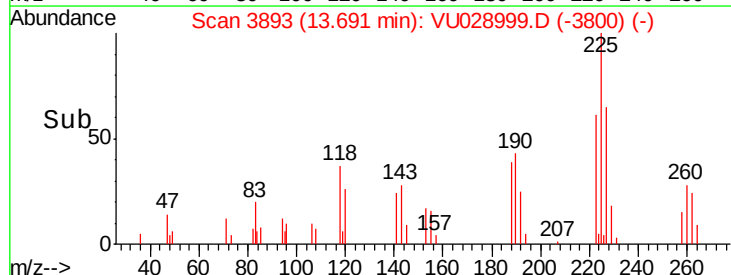
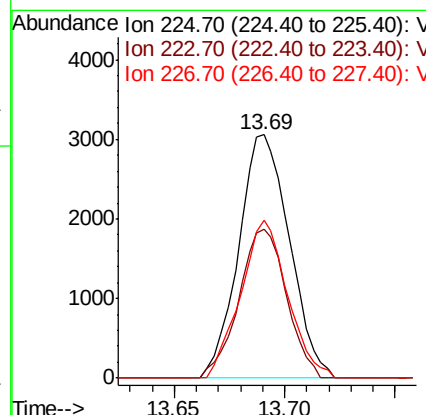
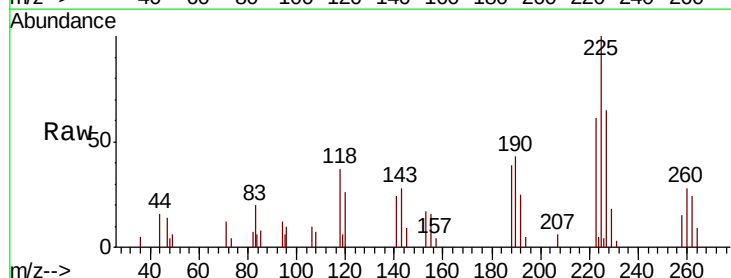
Manual Integrations
APPROVED

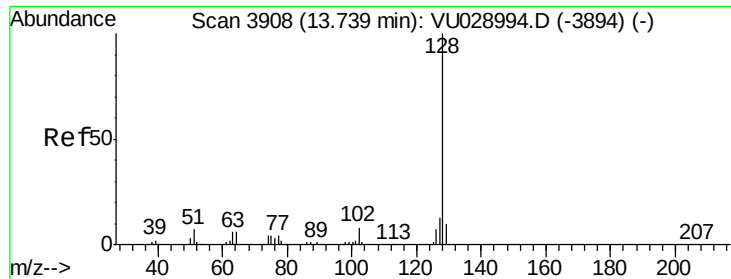
MMDadoda
1/4/2019 9:51:12 AM



#94
Hexachlorobutadiene
Concen: 5.064 ug/l
RT: 13.69 min Scan# 3893
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.4	31.4	94.0
227	60.2	31.9	95.5





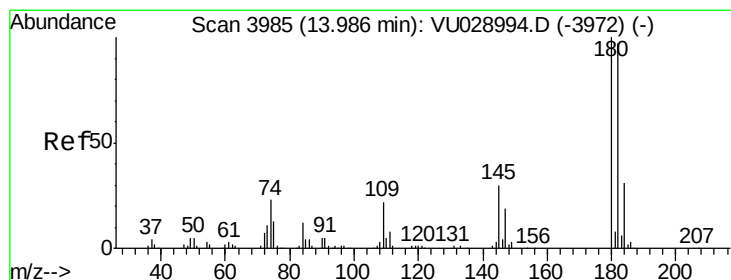
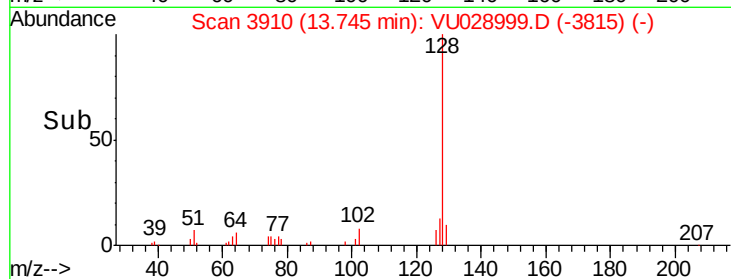
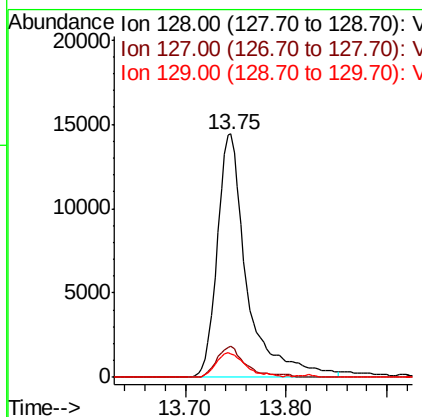
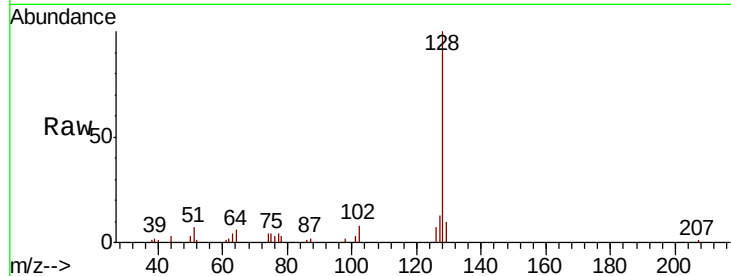
#95
Naphthalene
Concen: 4.149 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.01 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.1	15.1
129	10.1	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/4/2019 9:51:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.327 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028999.D
Acq: 03 Jan 2019 15:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.9	48.1	144.3
145	29.3	14.8	44.4

