

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020519\
 Data File : VU029339.D
 Acq On : 05 Feb 2019 10:42
 Operator : JC/SP
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

sam
 2/8/2019 2:26:08 PM

Quant Time: Feb 08 10:32:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:20:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	49764	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	19578	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	20430	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	10689	0.576	ug/l	96
3) Chloromethane	1.32	50	10991	0.648	ug/l	98
4) Vinyl Chloride	1.40	62	11099	0.558	ug/l	99
5) Bromomethane	1.63	94	6460	0.584	ug/l	91
6) Chloroethane	1.70	64	7229m	0.622	ug/l	
7) Trichlorofluoromethane	1.89	101	14882	0.536	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	8337	0.568	ug/l #	90
9) 1,1-Dichloroethene	2.29	96	8371	0.583	ug/l	78
10) Iodomethane	2.41	142	10846	0.589	ug/l #	79
11) Allyl Chloride	2.59	41	13173	0.547	ug/l	91
12) Acrylonitrile	2.95	53	3582	1.113	ug/l #	86
13) Acetone	2.36	43	9254	2.999	ug/l	94
14) Carbon Disulfide	2.48	76	27558	0.544	ug/l	95
15) Methylene Chloride	2.70	84	10690	0.614	ug/l #	79
16) trans-1,2-Dichloroethene	2.98	96	8807	0.549	ug/l #	76
17) 1,1-Dichloroethane	3.44	63	14886	0.585	ug/l	95
18) 2-Butanone	4.31	43	7081m	2.043	ug/l	
19) Cyclohexane	4.99	56	12150m	0.542	ug/l	
20) Methylcyclohexane	6.41	83	13638	0.550	ug/l #	85
21) 2,2-Dichloropropane	4.22	77	13129	0.558	ug/l	99
22) cis-1,2-Dichloroethene	4.22	96	7916	0.523	ug/l	85
23) Diethyl Ether	2.11	59	6374	0.553	ug/l	94
25) Methyl tert-Butyl Ether	3.01	73	20887	0.517	ug/l	91
26) Bromochloromethane	4.55	128	4015	0.601	ug/l	68
27) Chloroform	4.67	83	12819	0.518	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	11953	0.521	ug/l	96
29) 1,1-Dichloropropene	5.13	75	10823	0.544	ug/l	97
30) Carbon Tetrachloride	5.13	117	11731	0.565	ug/l	98
31) Isopropyl Ether	3.58	45	24417	0.636	ug/l	87
32) Ethyl-t-butyl ether	4.08	59	21069	0.548	ug/l	92
33) Tert-Amyl methyl ether	5.59	73	20261	0.582	ug/l	96
35) Benzene	5.39	78	29101	0.529	ug/l	98
36) 1,2-Dichloroethane	5.41	62	9359	0.562	ug/l #	91
37) Trichloroethene	6.19	130	8043	0.509	ug/l	96
38) 1,2-Dichloropropane	6.43	63	8067	0.563	ug/l	96
42) 1-Chlorobutane	5.06	56	13366	0.501	ug/l	90
43) Dibromomethane	6.56	93	3817	0.500	ug/l	90
44) Bromodichloromethane	6.76	83	10679	0.549	ug/l	98
45) 4-Methyl-2-Pentanone	7.47	43	23217	2.595	ug/l	92
46) t-1,4-Dichloro-2-butene	10.52	75	5086m	1.171	ug/l	
47) Methyl methacrylate	6.63	69	7163	1.067	ug/l #	87

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Quant Time: Feb 08 10:32:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:20:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Ethyl methacrylate	8.03	69	7099	0.493	ug/l	85
49) Toluene	7.64	92	19050	0.541	ug/l	97
50) t-1,3-Dichloropropene	7.89	75	10649	0.559	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	12261	0.541	ug/l #	83
52) 1,1,2-Trichloroethane	8.07	97	5917	0.586	ug/l #	88
53) 1,3-Dichloropropane	8.24	76	9702	0.547	ug/l	89
54) 2-Hexanone	8.37	43	16061	2.561	ug/l	88
55) Dibromochloromethane	8.48	129	7484	0.521	ug/l	96
56) 1,2-Dibromoethane	8.59	107	5987	0.578	ug/l	93
58) Tetrachloroethene	8.23	164	8158	0.555	ug/l	97
59) Chlorobenzene	9.12	112	19808	0.499	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	7998	0.545	ug/l	95
61) Pentachloroethane	11.10	117	6015	0.529	ug/l	93
62) Hexachloroethane	12.14	117	6923	0.558	ug/l	93
63) Ethyl Benzene	9.25	91	36088	0.524	ug/l	93
64) m/p-Xylenes	9.37	106	28272	1.056	ug/l	91
65) o-Xylene	9.78	106	14268	0.543	ug/l	87
66) Styrene	9.79	104	22515	0.514	ug/l	96
67) Bromoform	9.96	173	4870	0.545	ug/l #	98
69) Isopropylbenzene	10.17	105	36709	0.523	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.46	83	6702	0.518	ug/l #	92
71) 1,2,3-Trichloropropane	10.49	75	4821m	0.532	ug/l	
72) Bromobenzene	10.45	156	8569	0.503	ug/l	91
73) n-propylbenzene	10.59	120	10538	0.539	ug/l	77
74) 2-Chlorotoluene	10.66	126	9123	0.548	ug/l	74
75) 1,3,5-Trimethylbenzene	10.77	105	32023	0.529	ug/l	98
76) 4-Chlorotoluene	10.77	126	9189	0.532	ug/l	73
77) tert-Butylbenzene	11.10	119	31967	0.534	ug/l	93
78) 1,2,4-Trimethylbenzene	11.15	105	30780	0.502	ug/l	92
79) sec-Butylbenzene	11.32	105	39824	0.509	ug/l	96
80) Nitrobenzene	12.84	77	29	0.051	ug/l #	1
81) p-Isopropyltoluene	11.48	119	34466	0.519	ug/l	96
82) 1,3-Dichlorobenzene	11.42	146	17301	0.518	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	17096	0.514	ug/l	96
84) n-Butylbenzene	11.89	91	30813	0.506	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	16411	0.520	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1241	0.514	ug/l #	71
87) 1,2,4-Trichlorobenzene	13.51	180	10274	0.463	ug/l	98
88) Hexachlorobutadiene	13.69	225	6870	0.535	ug/l	96
89) Naphthalene	13.75	128	17092	0.454	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	10752	0.530	ug/l	89

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

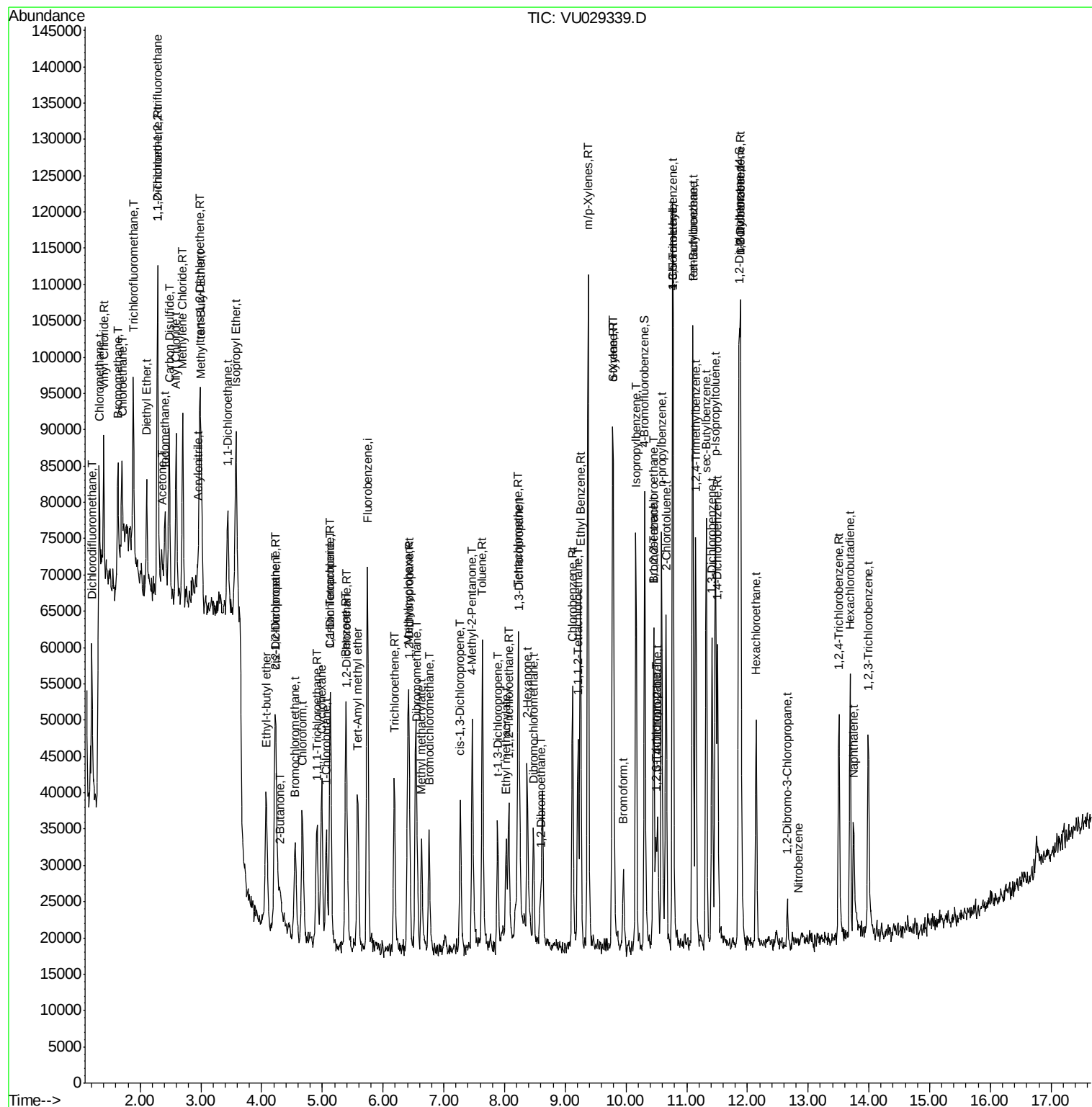
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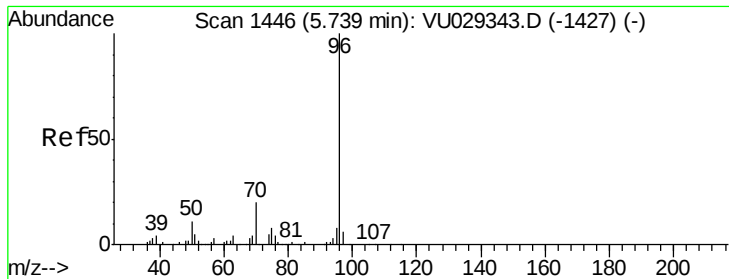
Instrument :
MSVOA_U
Client Sampled :
VSTDICC0.5

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QLast Update : Fri Feb 08 10:20:02 2019
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

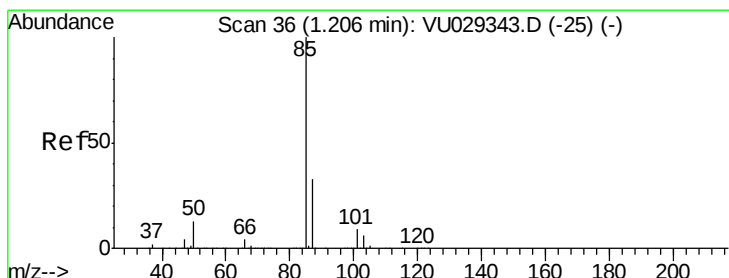
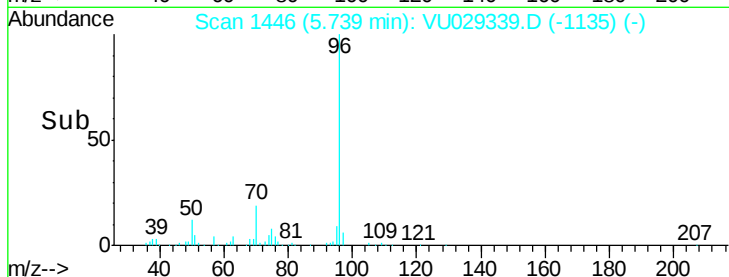
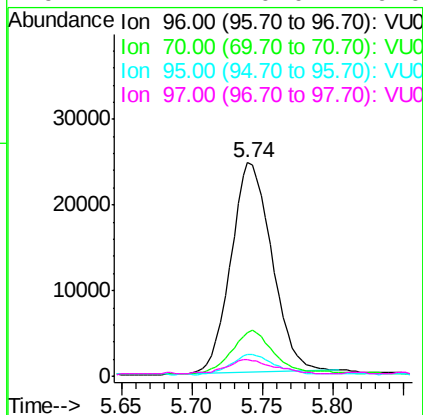
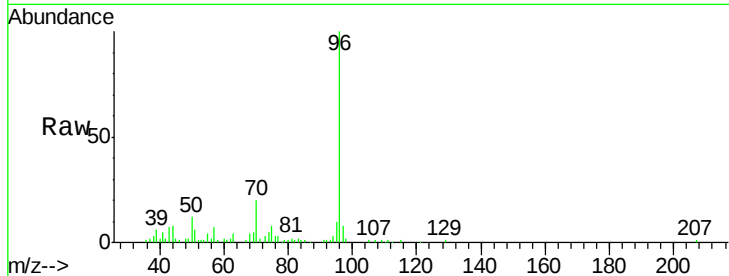
ClientSampleId :

VSTDIC0.5

Tot Ion:	96	Resp:	49764
Ion	Ratio	Lower	Upper
96	100		
70	19.2	16.2	24.2
95	9.3	7.4	11.2
97	7.4	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 0.576 ug/l

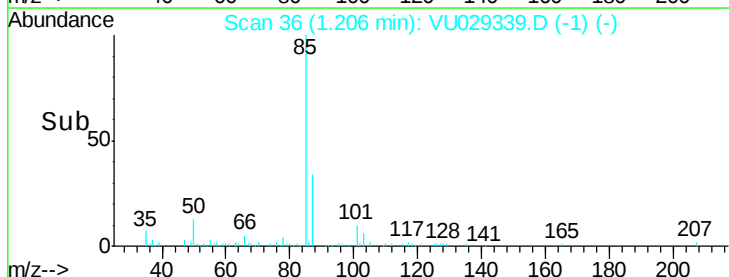
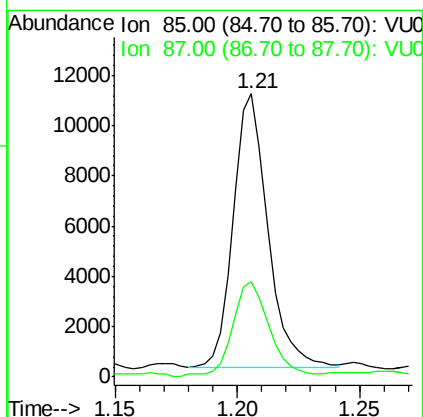
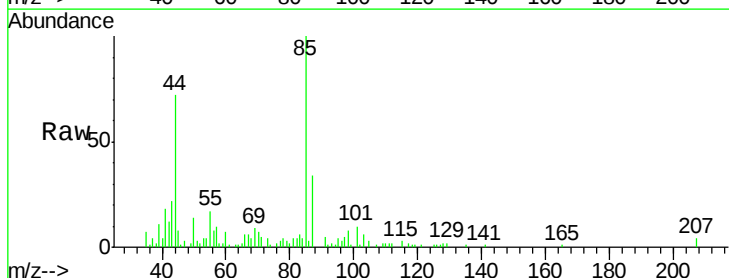
RT: 1.21 min Scan# 36

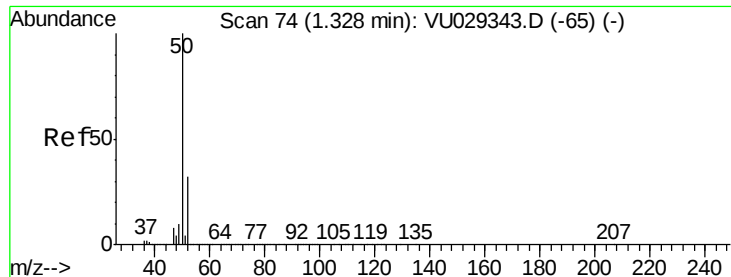
Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Tgt Ion:	85	Resp:	10689
Ion	Ratio	Lower	Upper
85	100		
87	34.0	15.9	47.6





#3

Chloromethane

Concen: 0.648 ug/l

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 50 Resp: 10991

Ion Ratio Lower Upper

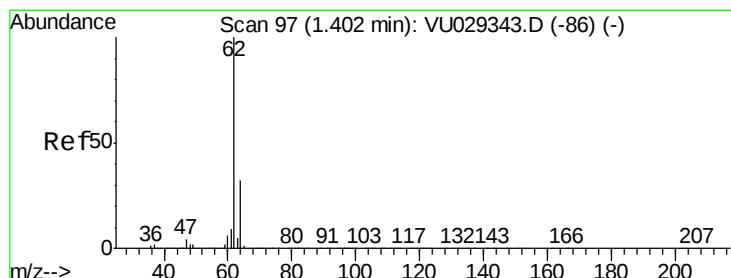
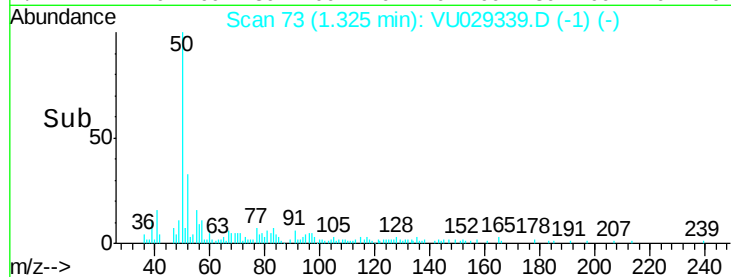
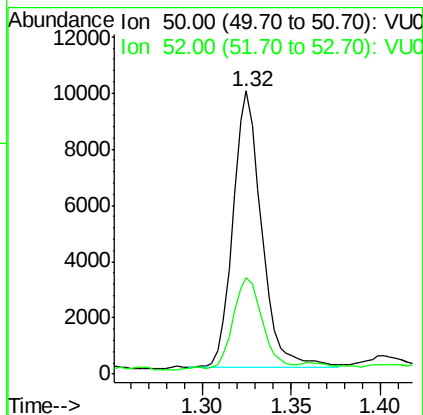
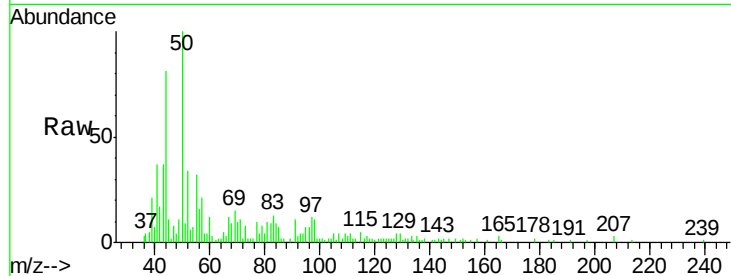
50 100

52 32.9 27.3 40.9

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#4

Vinyl Chloride

Concen: 0.558 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029339.D

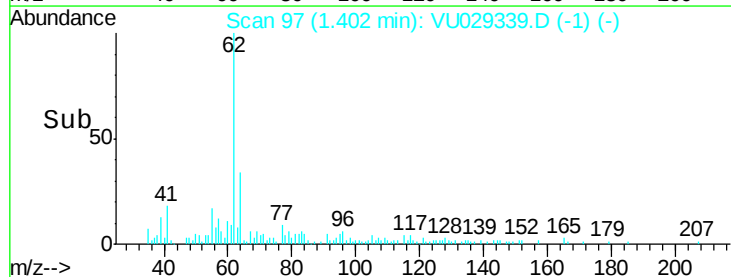
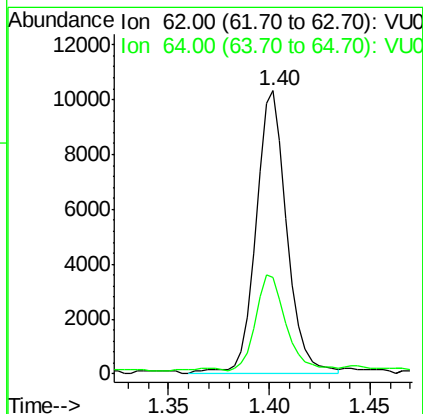
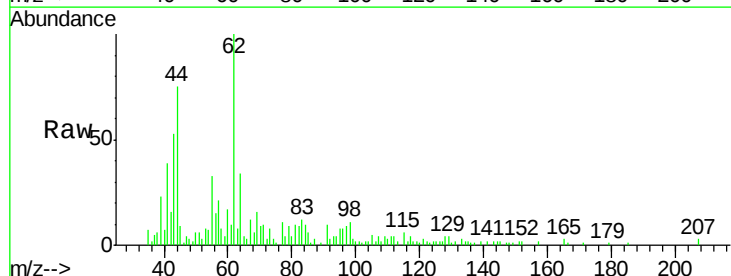
Acq: 05 Feb 2019 10:42

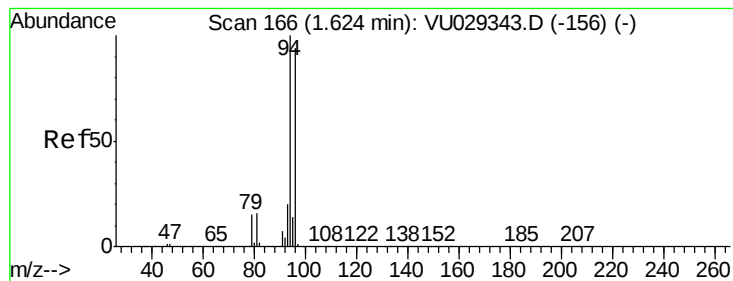
Tgt Ion: 62 Resp: 11099

Ion Ratio Lower Upper

62 100

64 32.3 25.2 37.8





#5

Bromomethane

Concen: 0.584 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 94 Resp: 6460

Ion Ratio Lower Upper

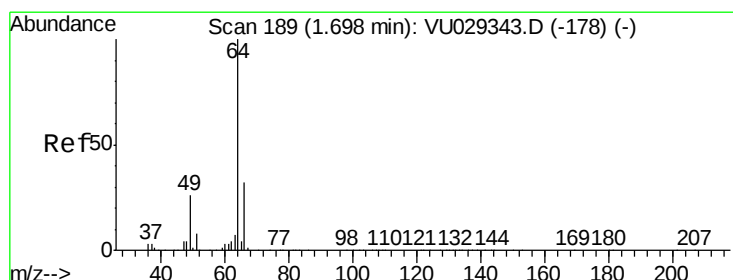
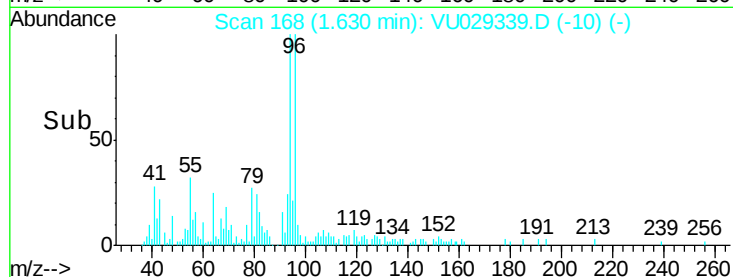
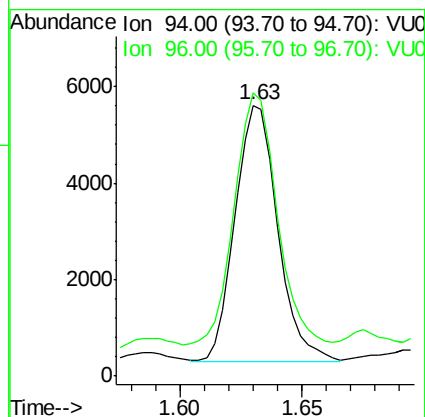
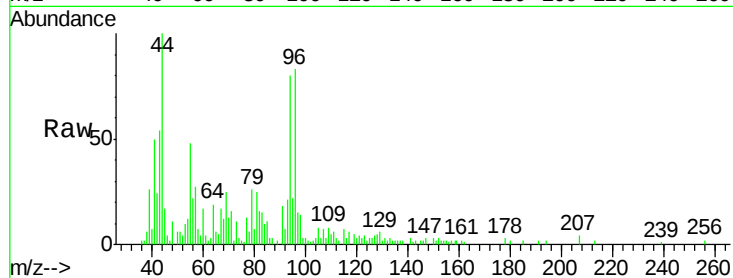
94 100

96 98.2 71.7 107.5

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#6

Chloroethane

Concen: 0.622 ug/l m

RT: 1.70 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU029339.D

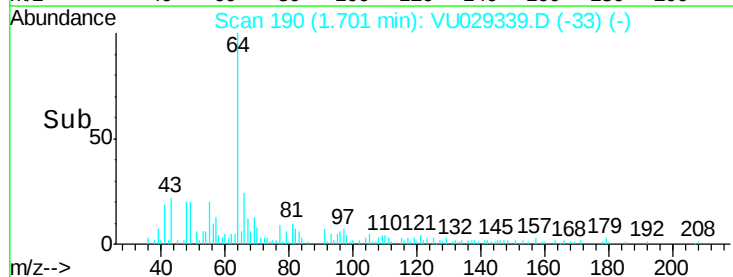
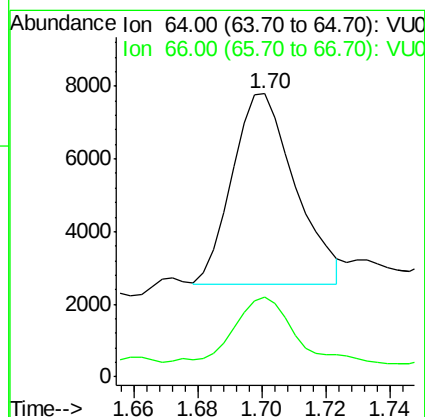
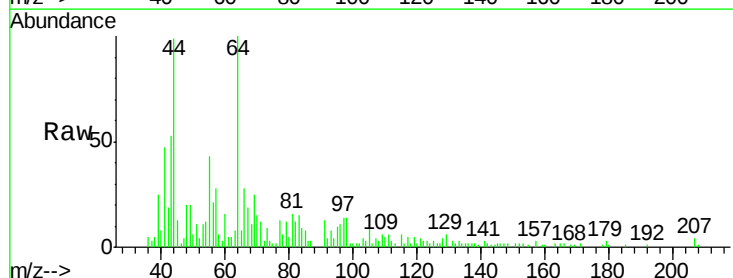
Acq: 05 Feb 2019 10:42

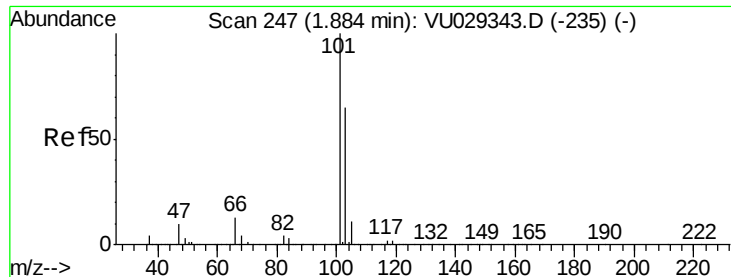
Tgt Ion: 64 Resp: 7229

Ion Ratio Lower Upper

64 100

66 28.2 26.3 39.5





#7

Trichlorofluoromethane

Concen: 0.536 ug/l

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:101 Resp: 14882

Ion Ratio Lower Upper

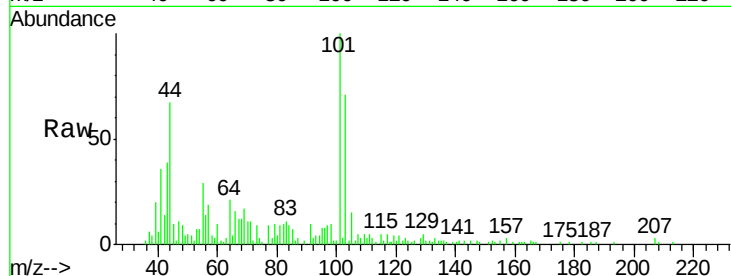
101 100

103 70.6 53.9 80.9

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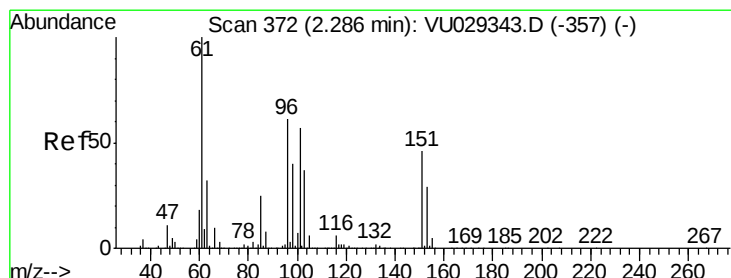
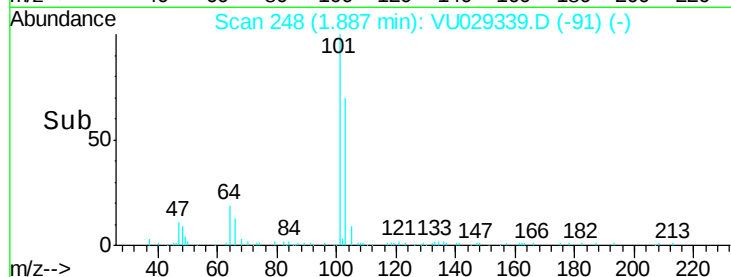
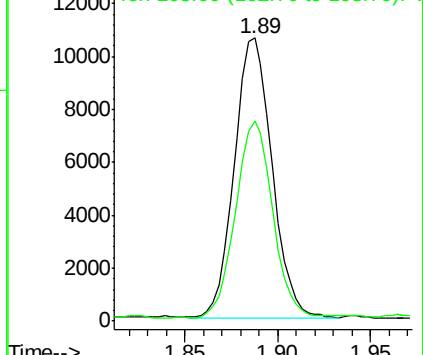
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

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

Concen: 0.568 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

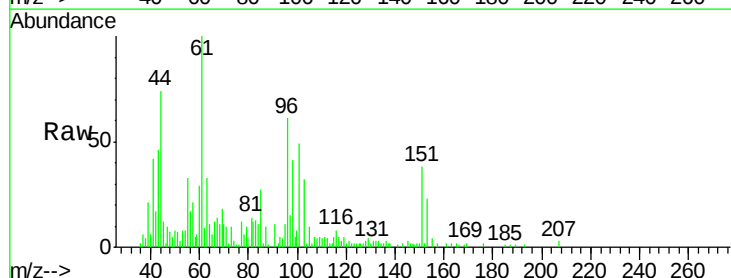
Tgt Ion:101 Resp: 8337

Ion Ratio Lower Upper

101 100

85 37.7 40.3 60.5#

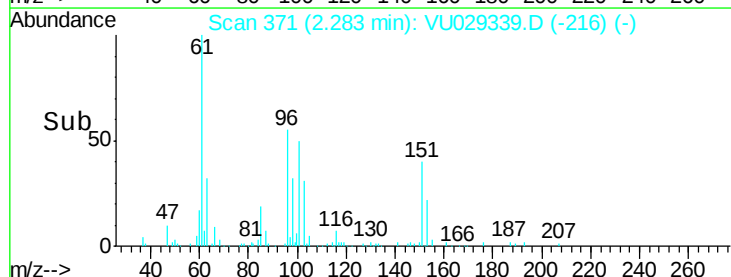
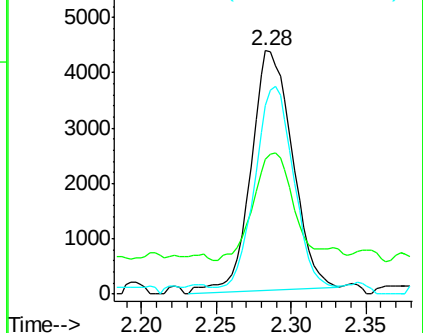
151 76.7 58.1 87.1

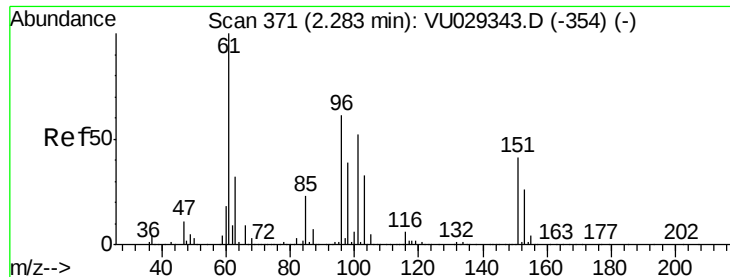


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 0.583 ug/l

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

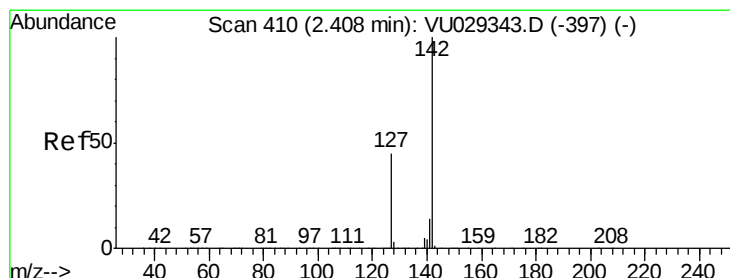
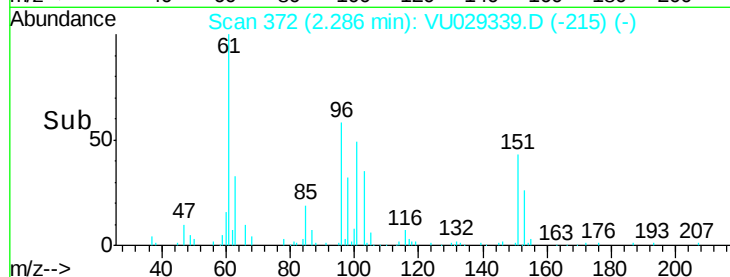
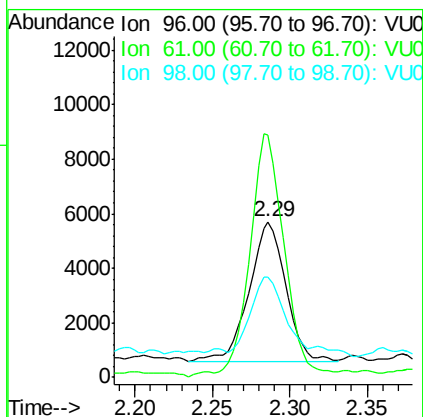
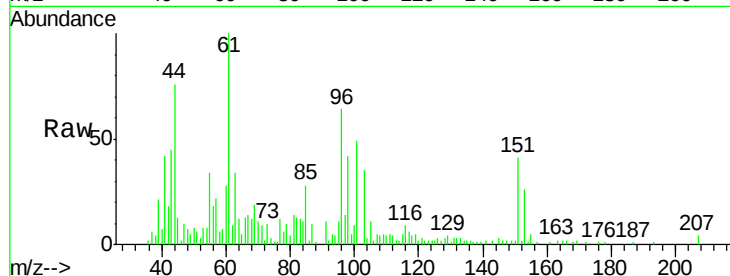
ClientSampleId :

VSTDIC0.5

Tot Ion:	96	Resp:	8371
Ion	Ratio	Lower	Upper
96	100		
61	174.1	0.0	641.4
98	53.9	0.0	122.6

Manual Integrations
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#10

Iodomethane

Concen: 0.589 ug/l

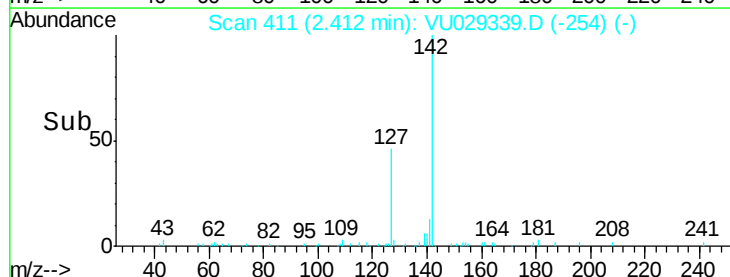
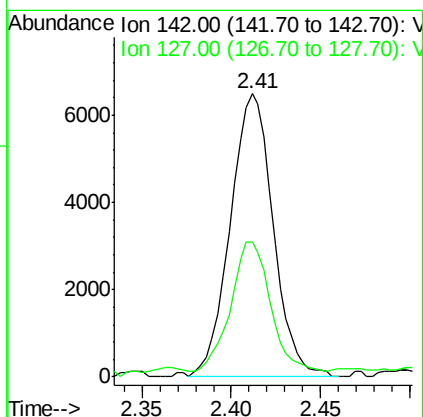
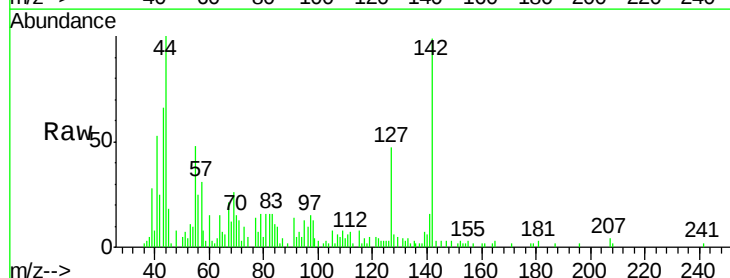
RT: 2.41 min Scan# 411

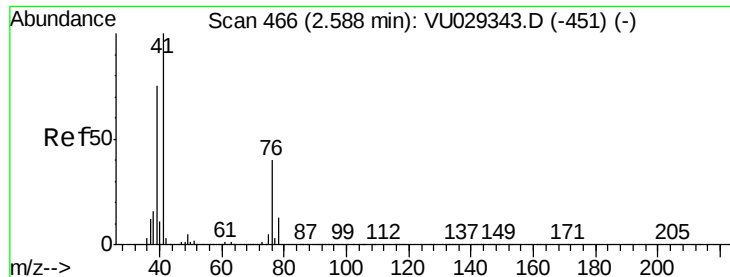
Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Tgt Ion:	142	Resp:	10846
Ion	Ratio	Lower	Upper
142	100		
127	43.6	47.6	71.4#





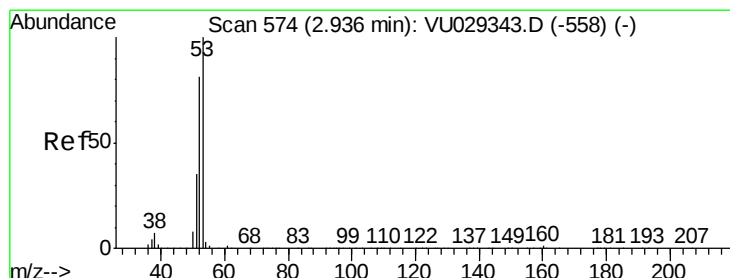
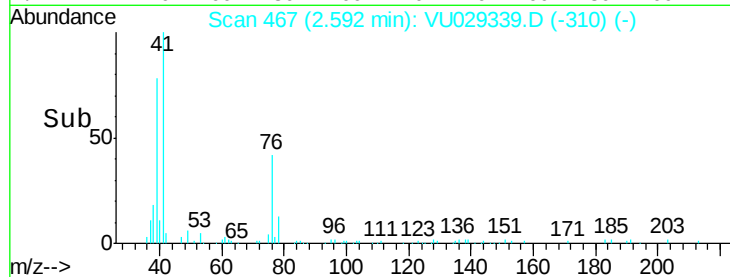
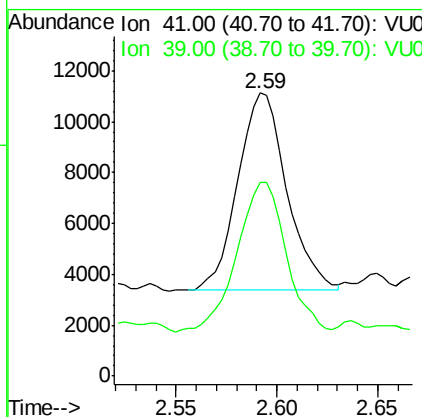
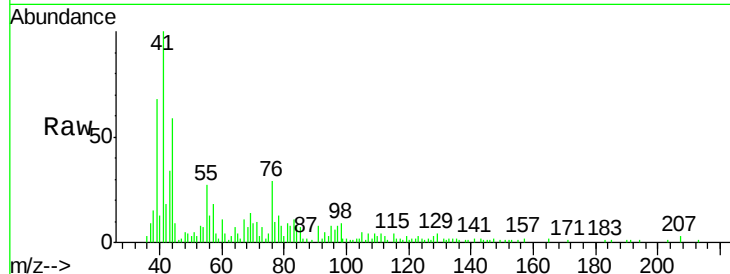
#11
Allvl Chloride
Concen: 0.547 ug/l
RT: 2.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: VU029339.D
Acq: 05 Feb 2019 10:42

Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion: 41 Resp: 13173
Ion Ratio Lower Upper
41 100
39 76.3 67.2 100.8

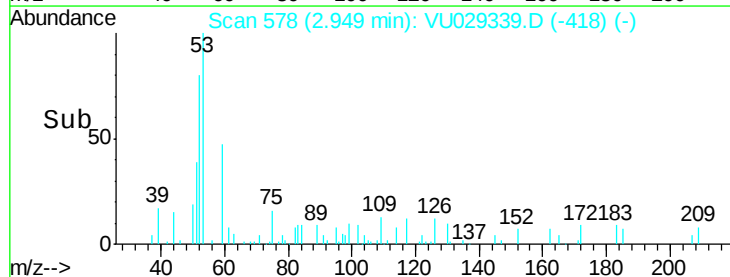
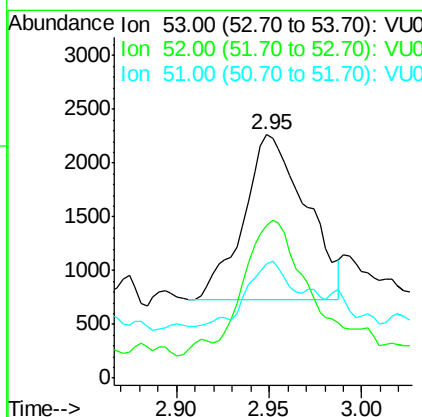
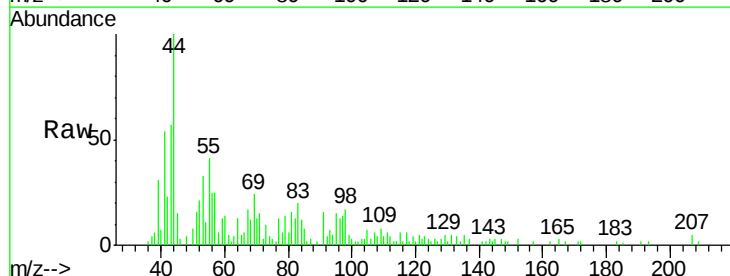
Manual Integrations
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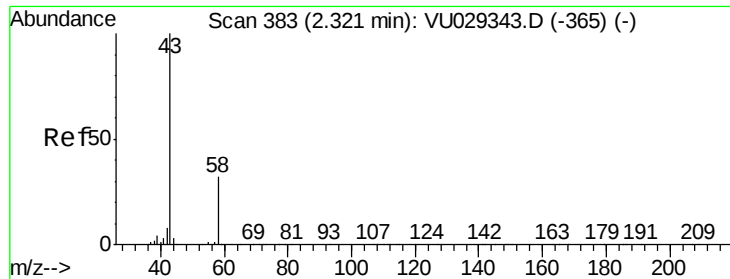
sam
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#12
Acrylonitrile
Concen: 1.113 ug/l
RT: 2.95 min Scan# 578
Delta R.T. 0.01 min
Lab File: VU029339.D
Acq: 05 Feb 2019 10:42

Tgt Ion: 53 Resp: 3582
Ion Ratio Lower Upper
53 100
52 74.0 67.6 101.4
51 26.7 31.0 46.4#





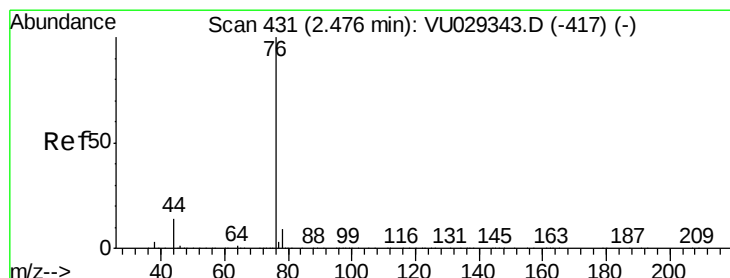
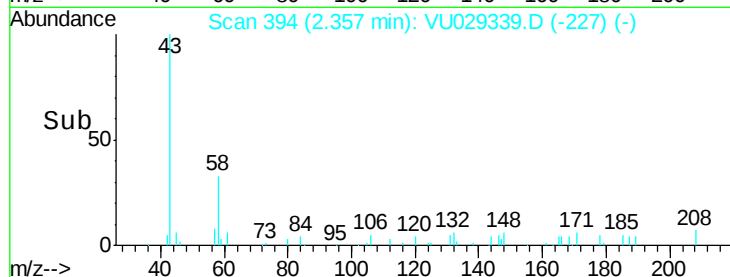
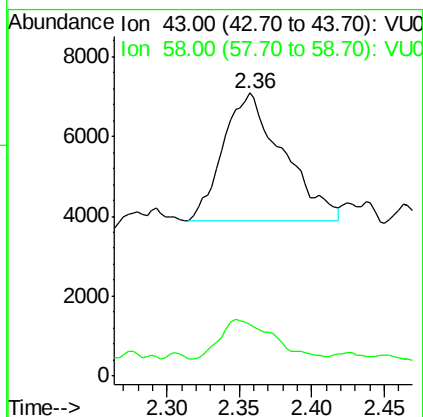
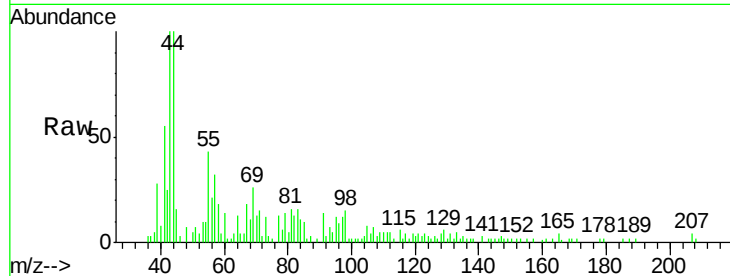
#13
Acetone
Concen: 2.999 ug/l
RT: 2.36 min Scan# 394
Delta R.T. 0.04 min
Lab File: VU029339.D
Acq: 05 Feb 2019 10:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 43 Resp: 9254
Ion Ratio Lower Upper
43 100
58 27.2 19.2 28.8

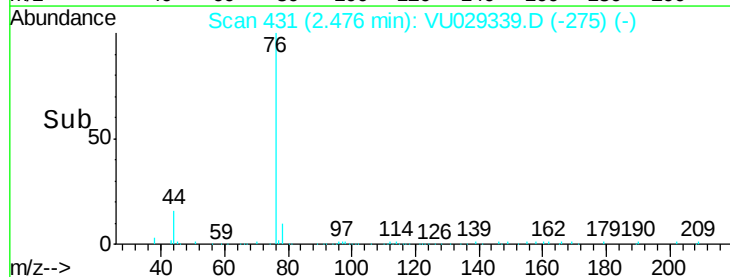
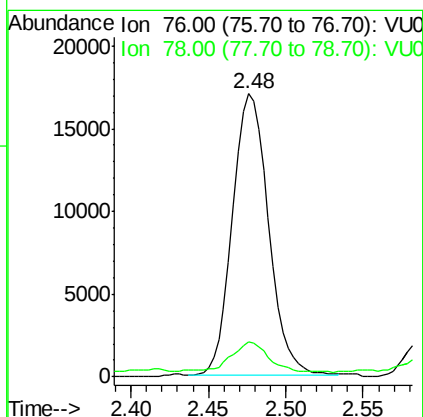
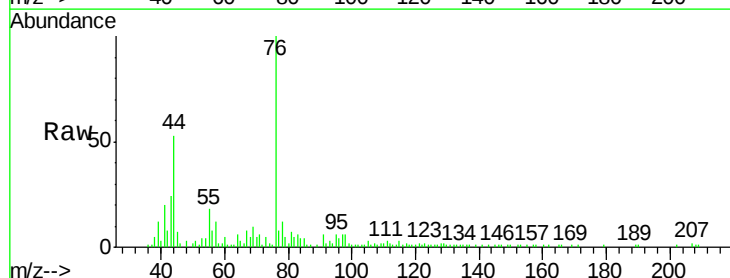
Manual Integrations
APPROVED

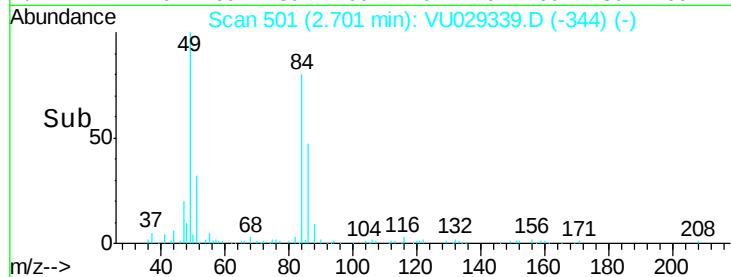
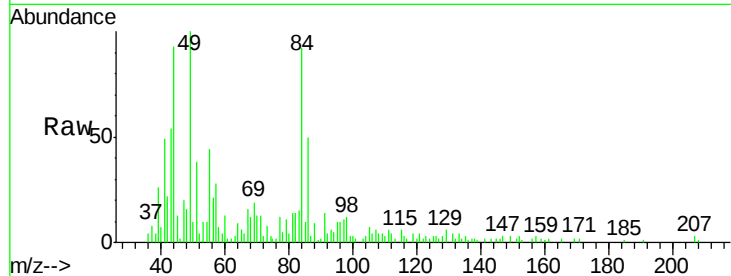
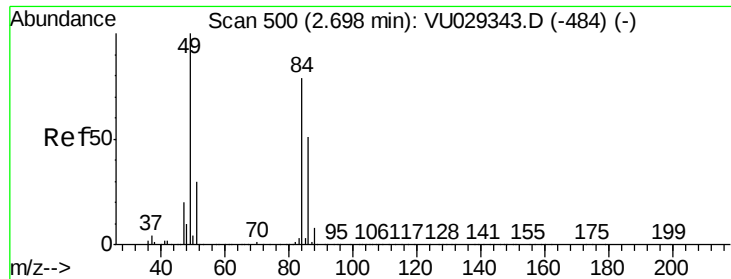
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#14
Carbon Disulfide
Concen: 0.544 ug/l
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VU029339.D
Acq: 05 Feb 2019 10:42

Tgt Ion: 76 Resp: 27558
Ion Ratio Lower Upper
76 100
78 10.6 7.1 10.7





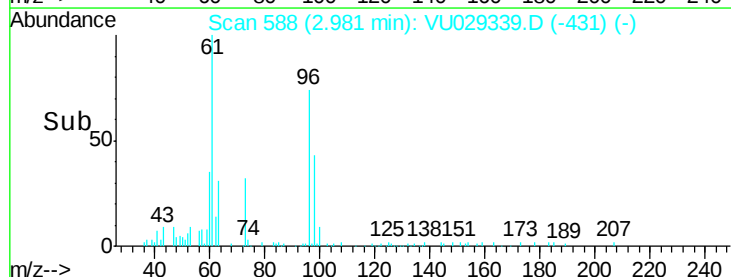
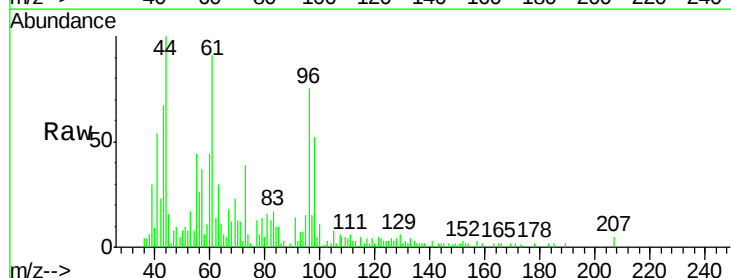
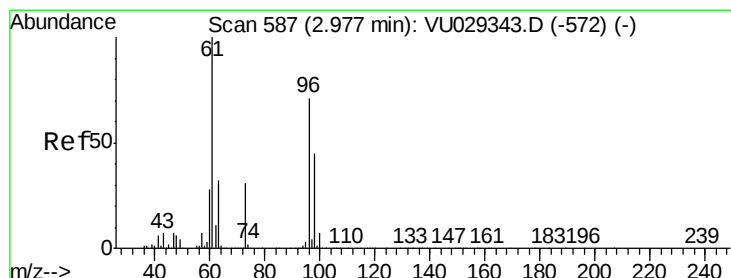
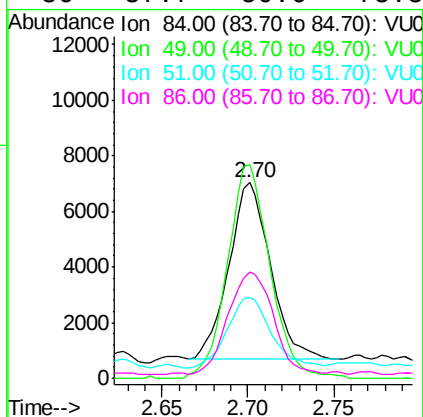
#15
Methvlene Chloride
Concen: 0.614 ug/l
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU029339.D
Acq: 05 Feb 2019 10:42

Tot Ion	Ratio	Lower	Upper
84	100		
49	119.1	127.0	190.6#
51	39.7	0.0	93.4
86	57.7	50.6	75.8

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

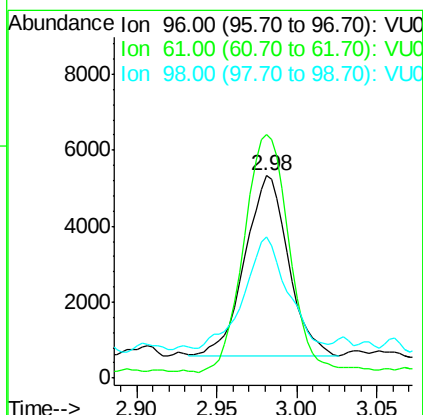
Manual Integrations
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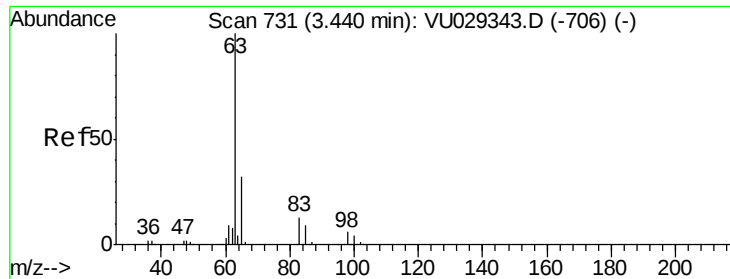
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#16
trans-1,2-Dichloroethene
Concen: 0.549 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU029339.D
Acq: 05 Feb 2019 10:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.5	140.6	210.8#
98	61.1	49.3	73.9





#17

1,1-Dichloroethane

Concen: 0.585 ug/l

RT: 3.44 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

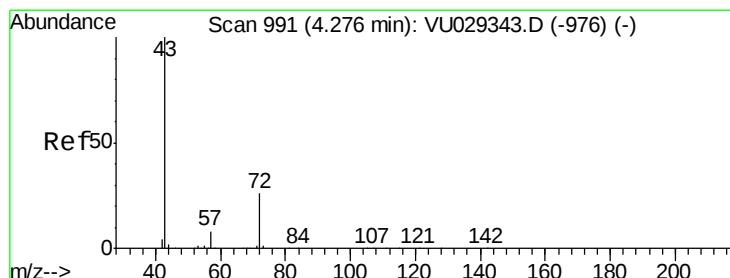
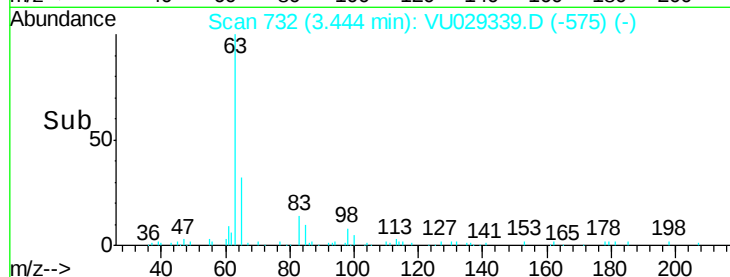
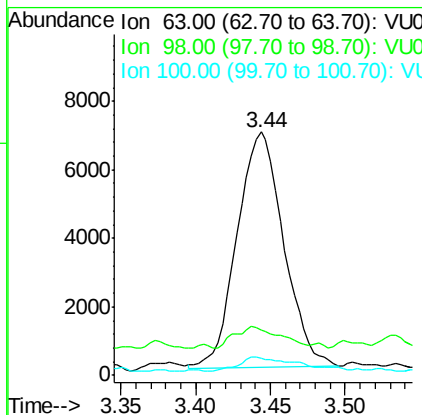
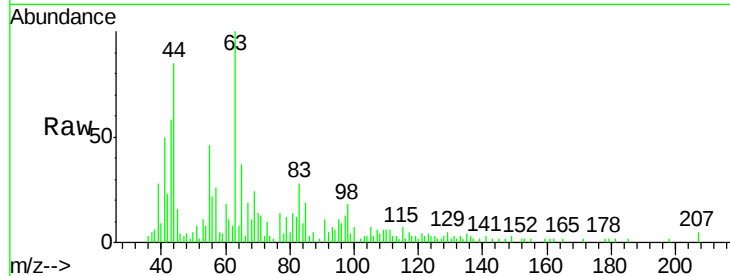
ClientSampleId :

VSTDIC0.5

Tot Ion:	63	Resp:	14886
Ion Ratio	Lower	Upper	
63	100		
98	7.7	2.9	8.8
100	5.1	1.7	5.1

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#18

2-Butanone

Concen: 2.043 ug/l m

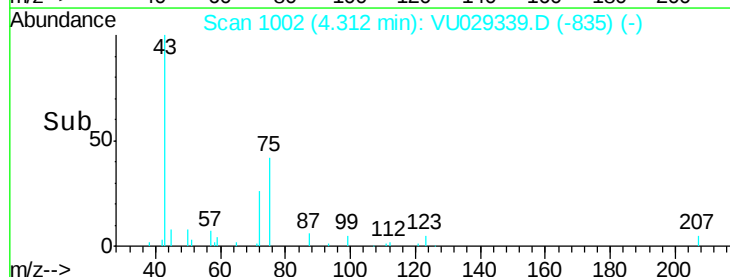
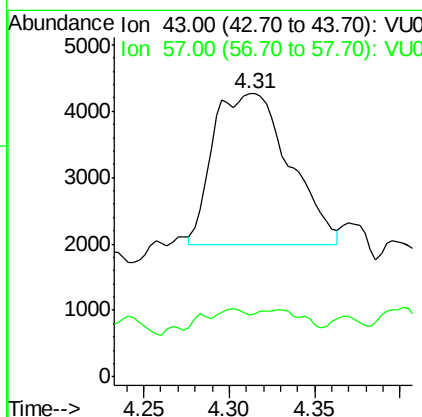
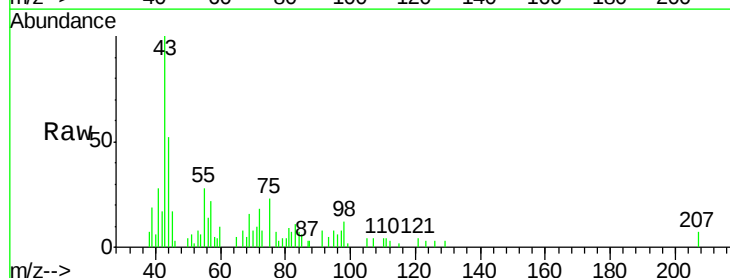
RT: 4.31 min Scan# 1002

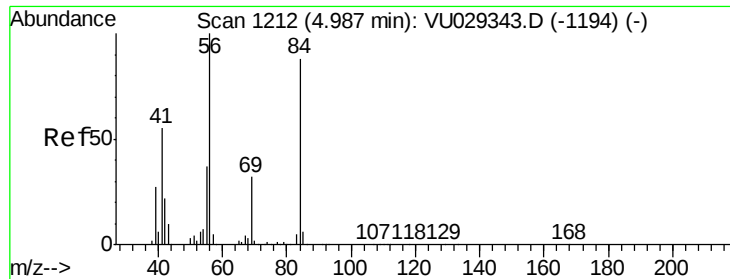
Delta R.T. 0.04 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Tgt Ion:	43	Resp:	7081
Ion Ratio	Lower	Upper	
43	100		
57	22.0	0.0	15.8#





#19

Cyclohexane

Concen: 0.542 ug/l m

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

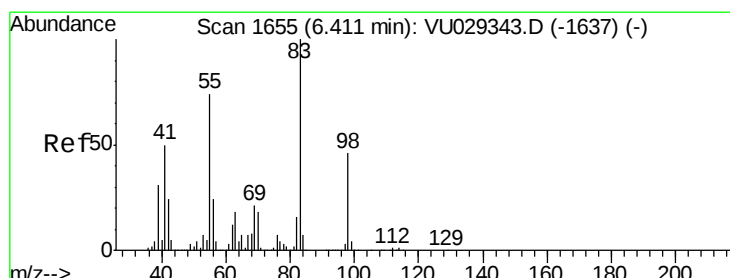
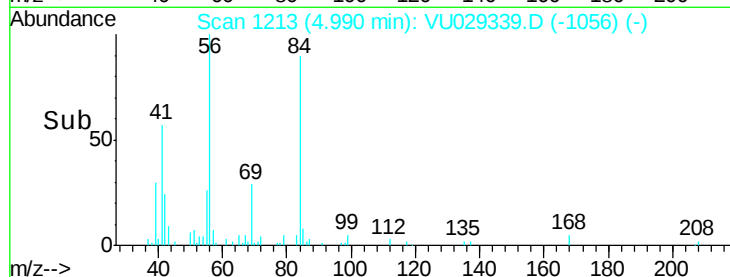
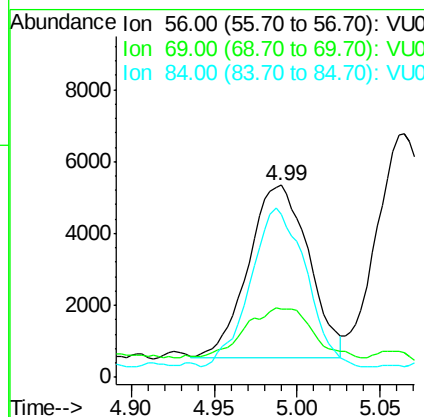
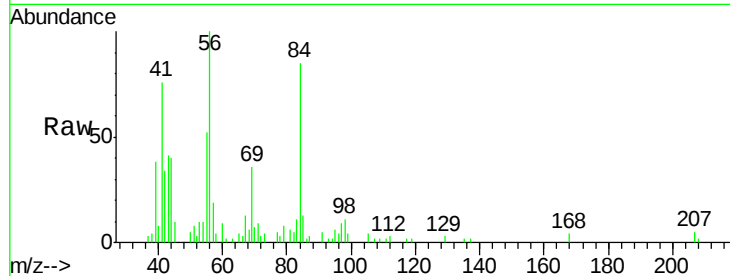
ClientSampleId :

VSTDIC0.5

Tot Ion:	56	Resp:	12150
Ion	Ratio	Lower	Upper
56	100		
69	30.8	26.8	40.2
84	84.0	71.5	107.3

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#20

Methylcyclohexane

Concen: 0.550 ug/l

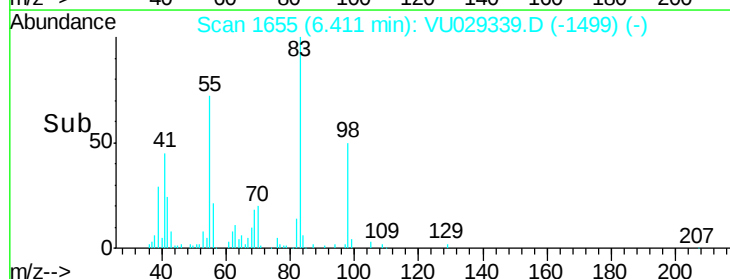
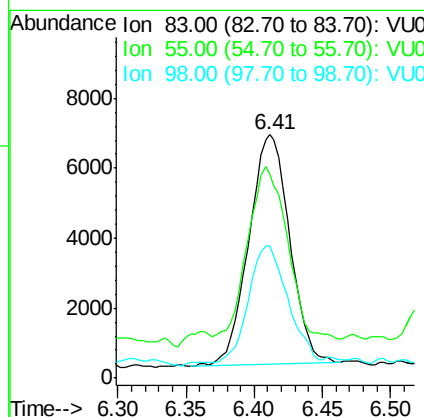
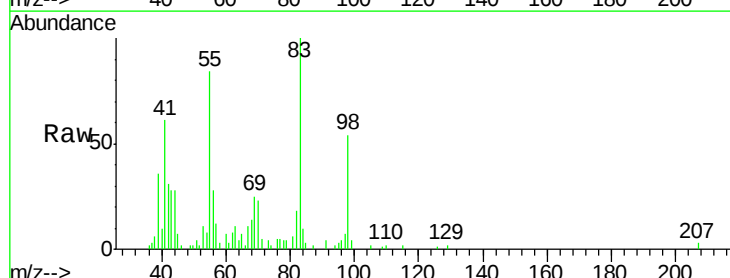
RT: 6.41 min Scan# 1655

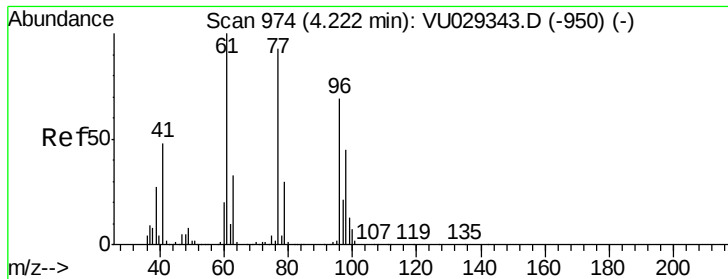
Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Tgt Ion:	83	Resp:	13638
Ion	Ratio	Lower	Upper
83	100		
55	70.8	72.4	108.6#
98	47.4	36.6	54.8





#21

2,2-Dichloropropane

Concen: 0.558 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 77 Resp: 13129

Ion Ratio Lower Upper

77 100

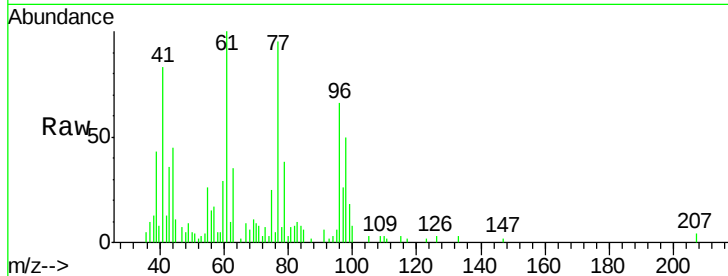
97 19.8 15.6 23.4

Manual Integrations

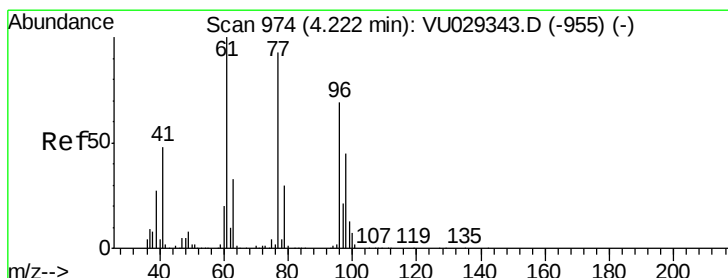
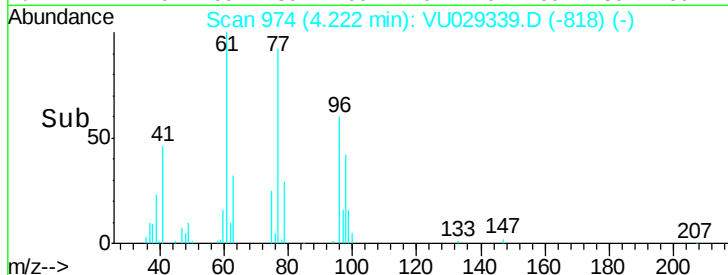
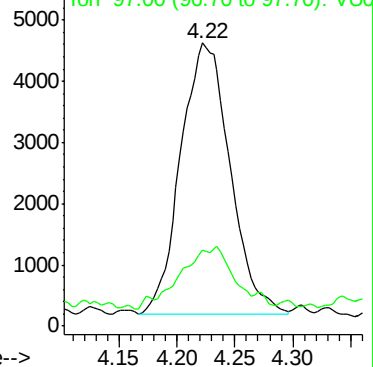
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Abundance Ion 77.00 (76.70 to 77.70): VU029339.D (-818) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.523 ug/l

RT: 4.22 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

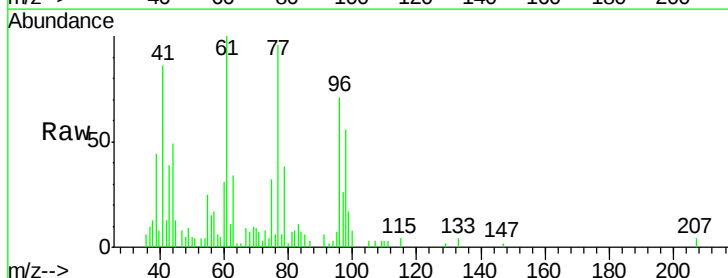
Tgt Ion: 96 Resp: 7916

Ion Ratio Lower Upper

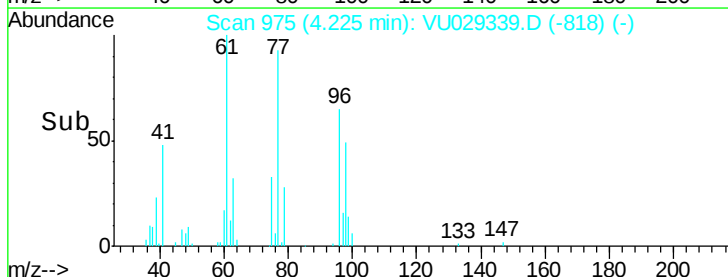
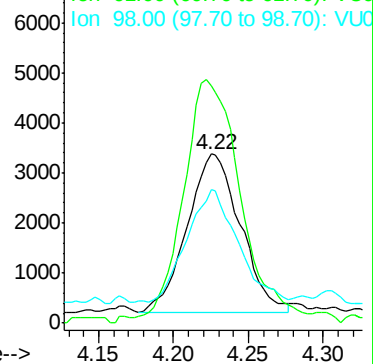
96 100

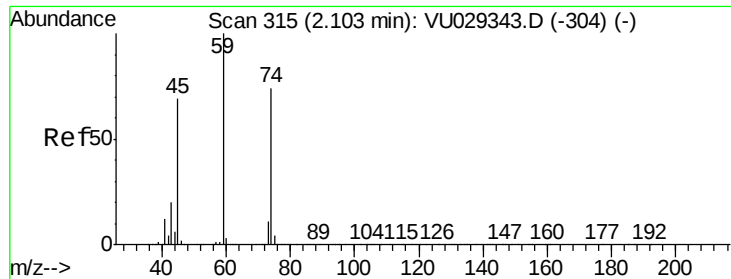
61 155.1 0.0 460.0

98 67.1 32.6 97.7



Abundance Ion 96.00 (95.70 to 96.70): VU029339.D (-818) (-)





#23

Diethyl Ether

Concen: 0.553 ug/l

RT: 2.11 min Scan# 316

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

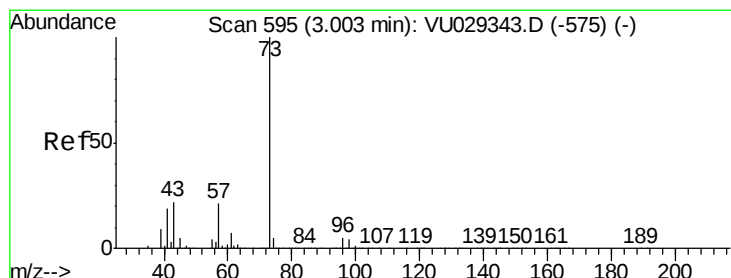
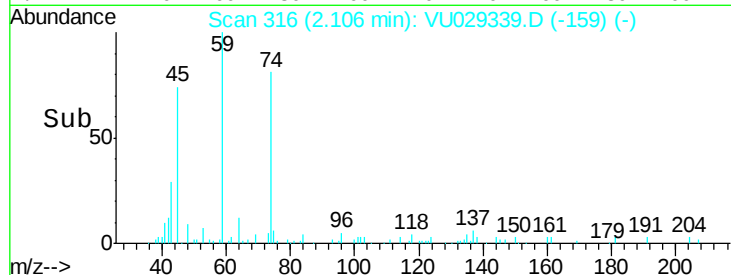
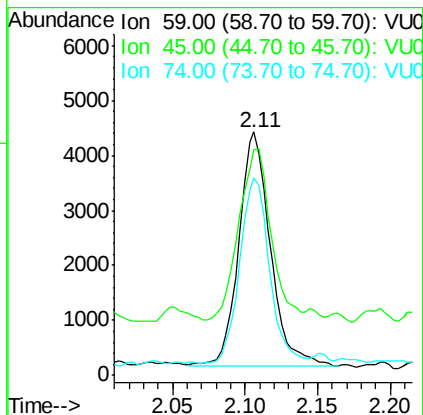
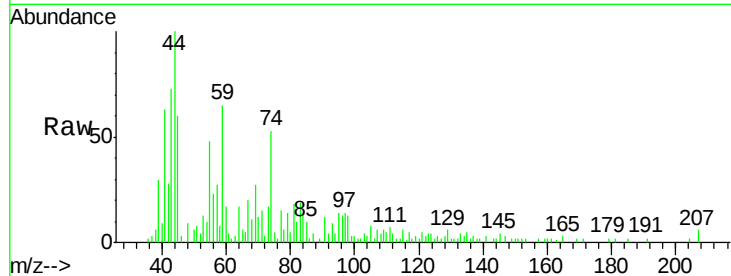
ClientSampleId :

VSTDIC0.5

Tot Ion:	59	Resp:	6374
Ion	Ratio	Lower	Upper
59	100		
45	75.5	64.2	96.4
74	75.0	55.3	82.9

Manual Integrations
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#25

Methyl tert-Butyl Ether

Concen: 0.517 ug/l

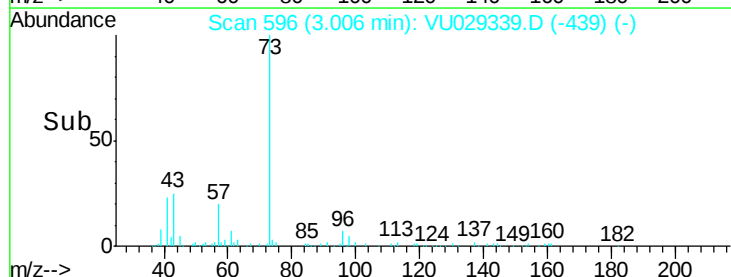
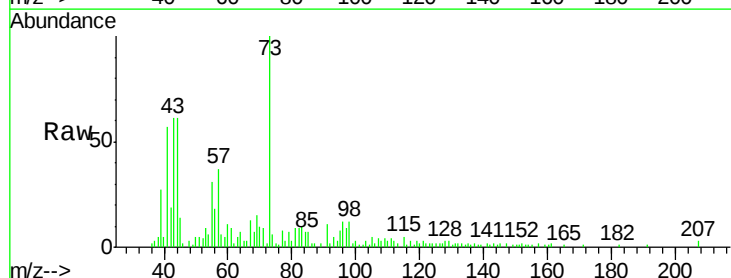
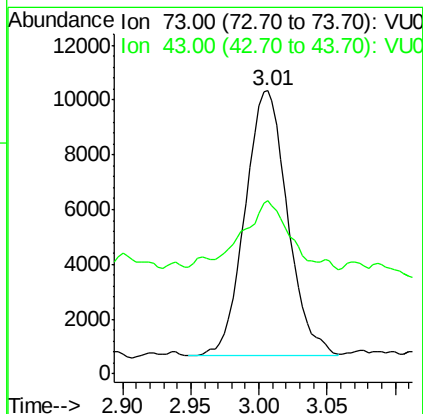
RT: 3.01 min Scan# 596

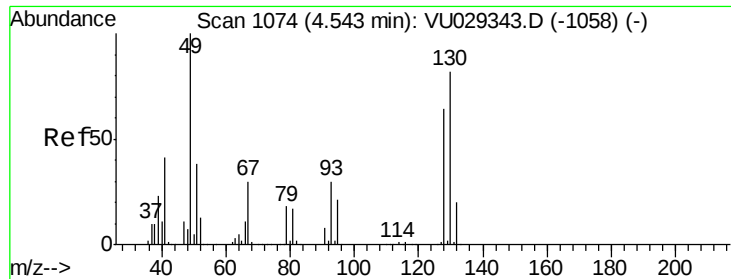
Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Tgt Ion:	73	Resp:	20887
Ion	Ratio	Lower	Upper
73	100		
43	22.7	22.1	33.1





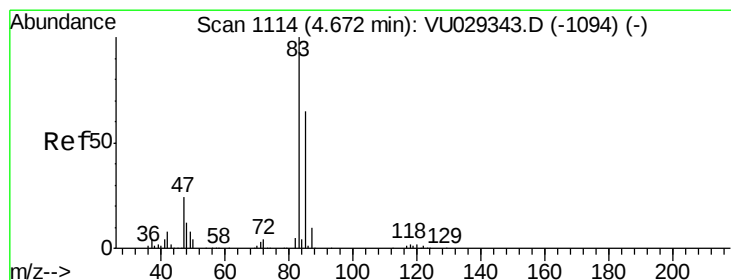
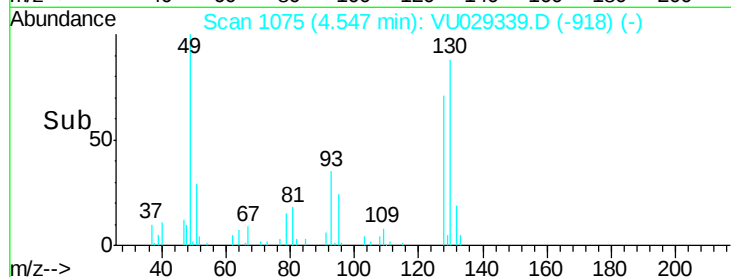
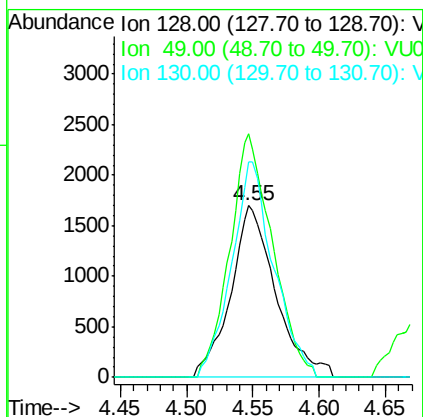
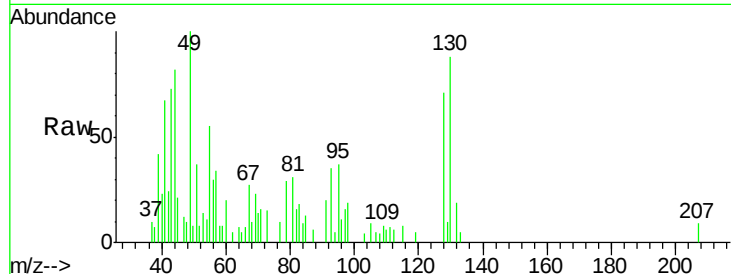
#26
Bromochloromethane
Concen: 0.601 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU029339.D
Acq: 05 Feb 2019 10:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
49	134.0	0.0	401.6
130	117.6	108.0	162.0

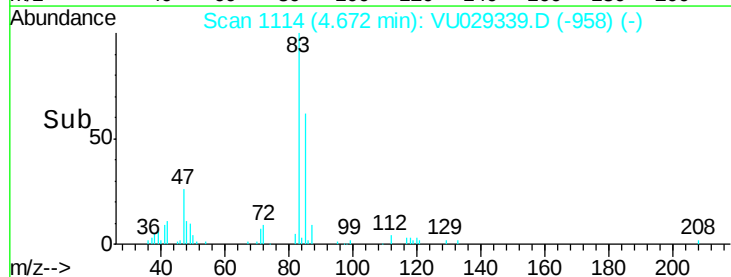
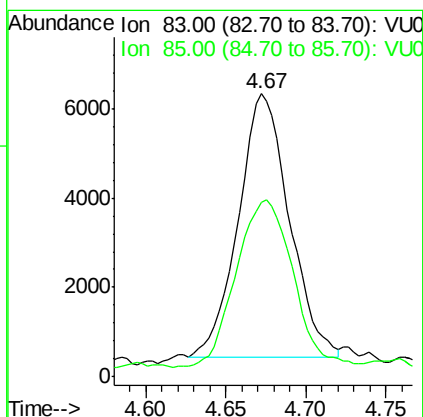
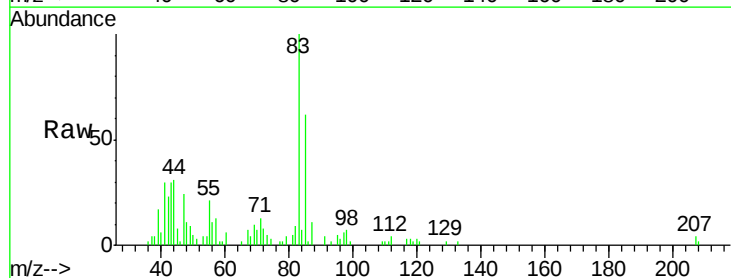
Manual Integrations
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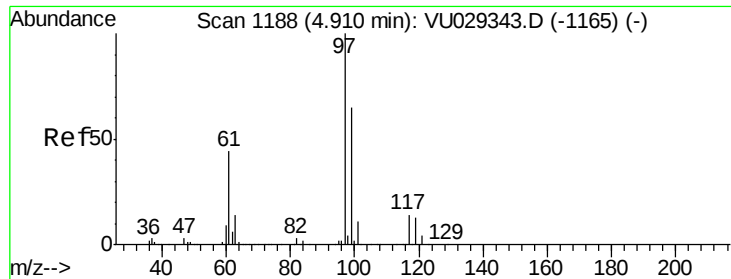
sam
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#27
Chloroform
Concen: 0.518 ug/l
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029339.D
Acq: 05 Feb 2019 10:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	0.0	126.6





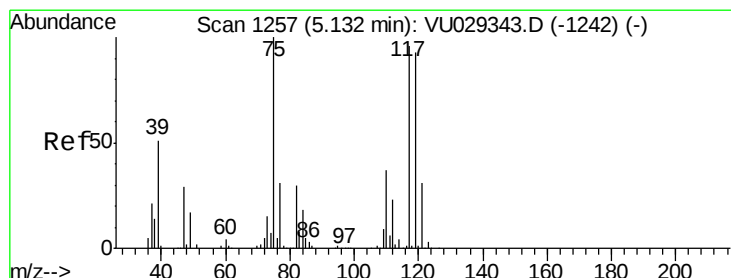
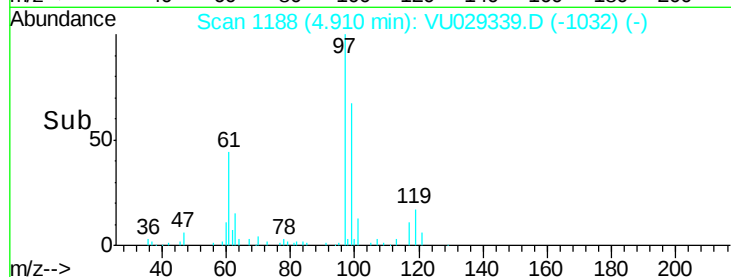
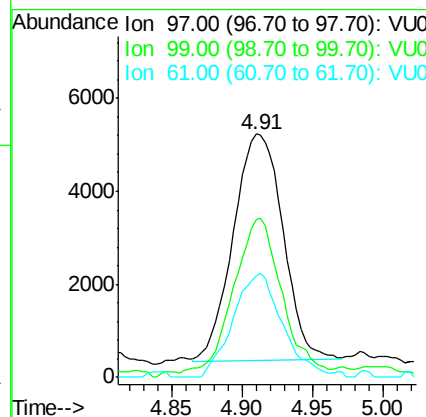
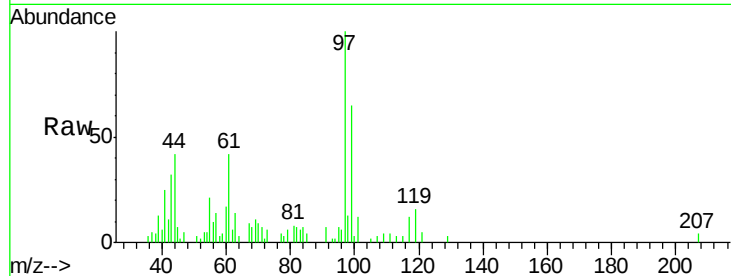
#28
 1,1,1-Trichloroethane
 Concen: 0.521 ug/l
 RT: 4.91 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU029339.D
 Acq: 05 Feb 2019 10:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
97	100		
99	67.2	32.4	97.2
61	45.7	24.4	73.2

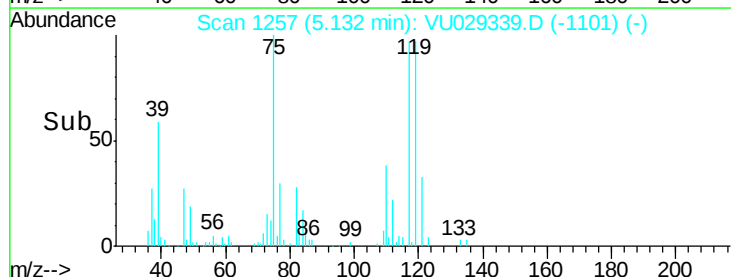
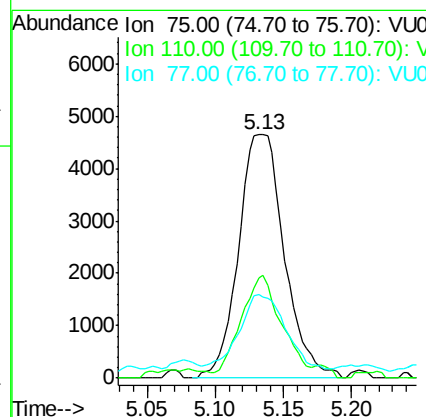
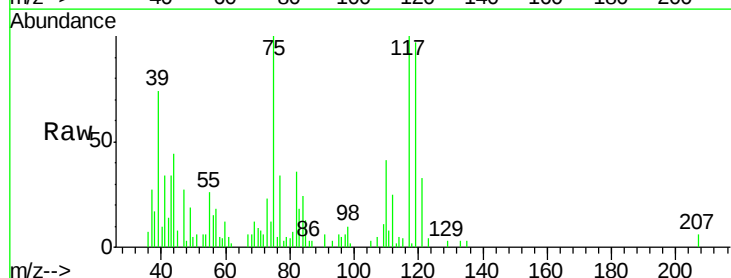
Manual Integrations
 APPROVED

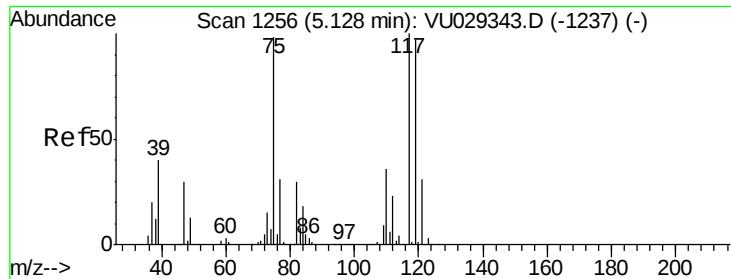
sam
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#29
 1,1-Dichloropropene
 Concen: 0.544 ug/l
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VU029339.D
 Acq: 05 Feb 2019 10:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.4	15.4	46.2
77	30.9	24.1	36.1





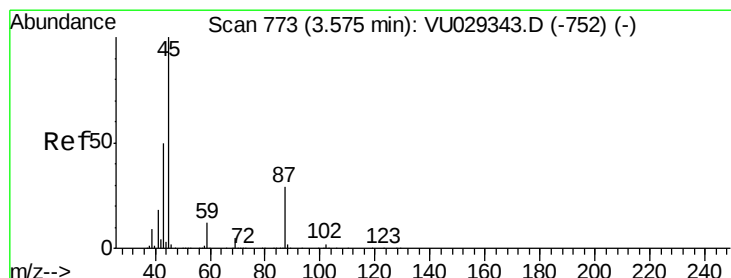
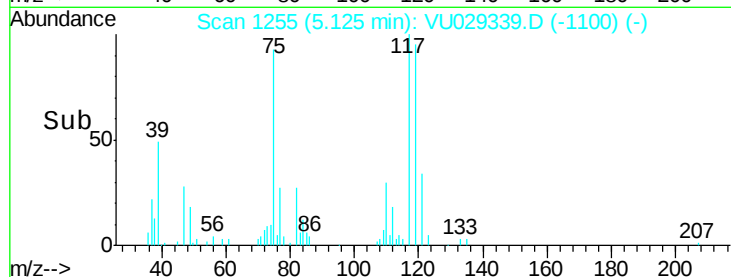
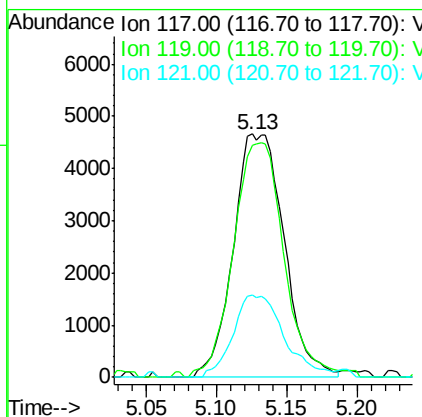
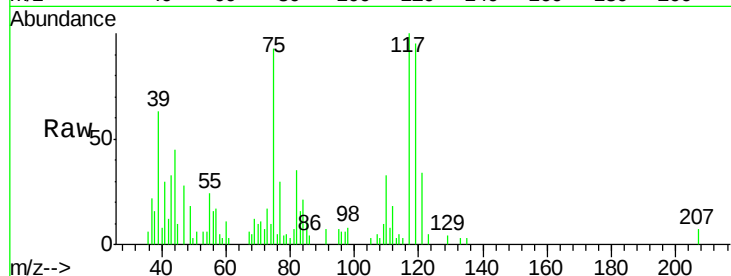
#30
Carbon Tetrachloride
Concen: 0.565 ug/l
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VU029339.D
Acq: 05 Feb 2019 10:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.8	115.2
121	33.6	24.4	36.6

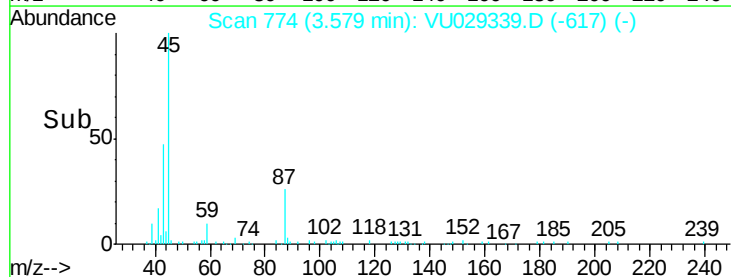
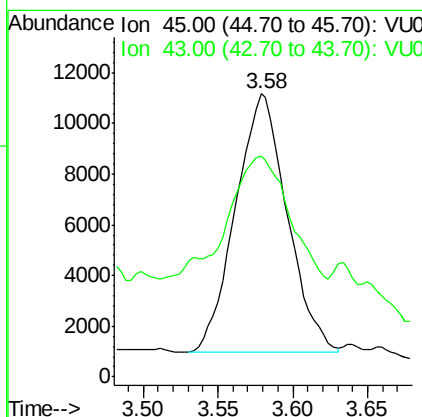
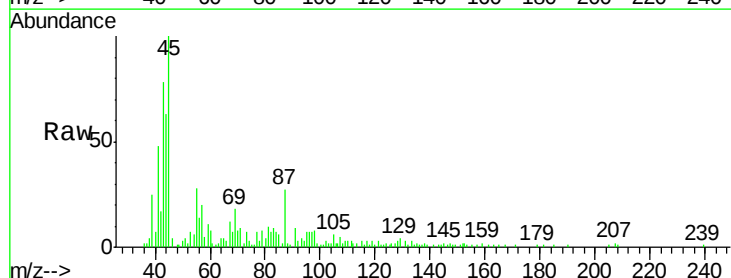
Manual Integrations
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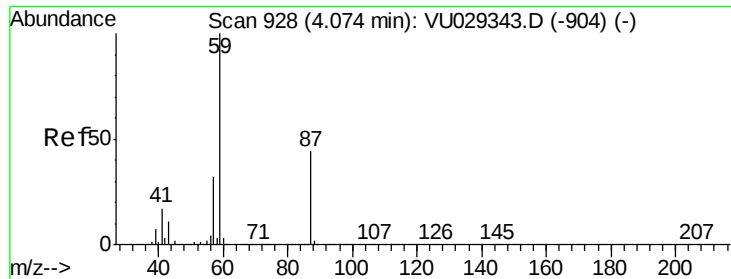
sam
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#31
Isopropyl Ether
Concen: 0.636 ug/l
RT: 3.58 min Scan# 774
Delta R.T. 0.00 min
Lab File: VU029339.D
Acq: 05 Feb 2019 10:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.5	28.4	85.3





#32

Ethyl-t-butyl ether

Concen: 0.548 ug/l

RT: 4.08 min Scan# 929

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

Tot Ion: 59 Resp: 21069

Ion Ratio Lower Upper

59 100

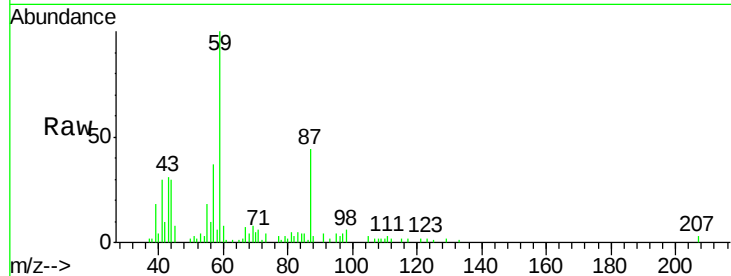
87 43.6 31.1 46.7

Manual Integrations

APPROVED

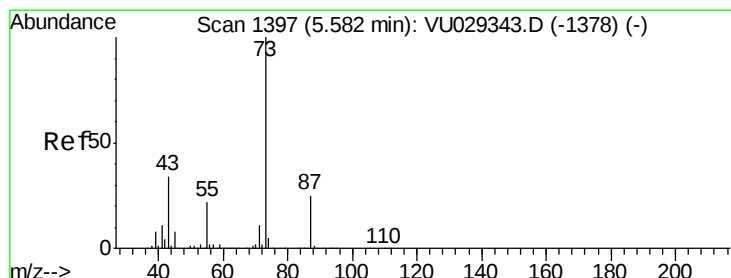
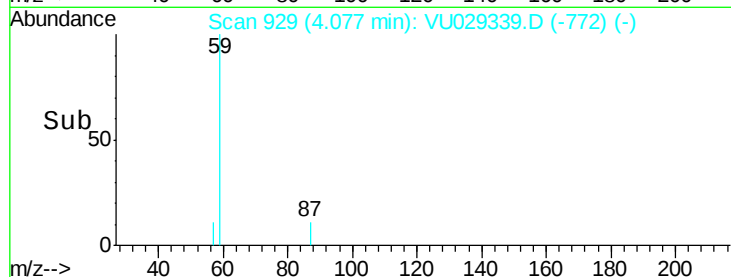
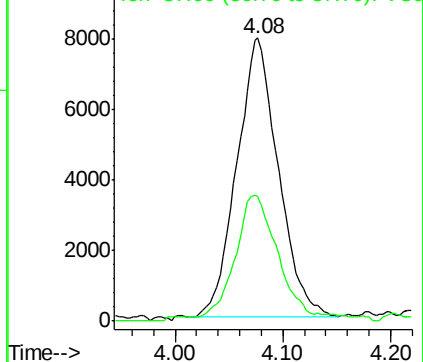
sam

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Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#33

Tert-Amyl methyl ether

Concen: 0.582 ug/l

RT: 5.59 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

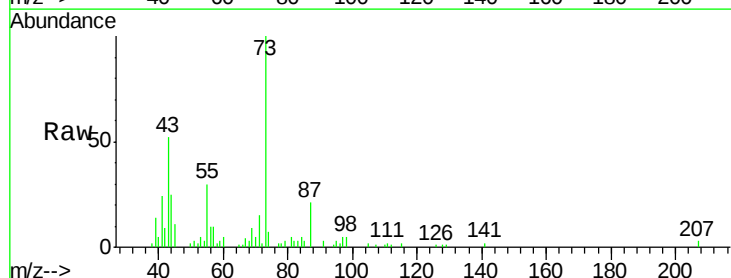
Tgt Ion: 73 Resp: 20261

Ion Ratio Lower Upper

73 100

87 22.1 19.4 29.0

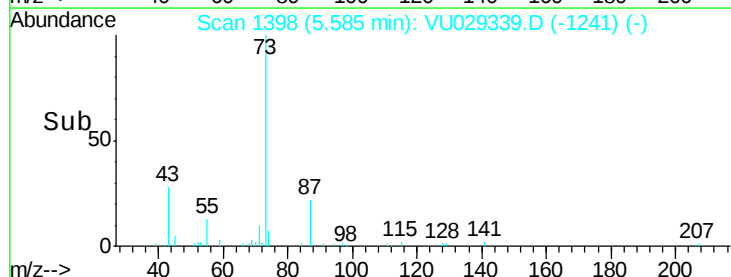
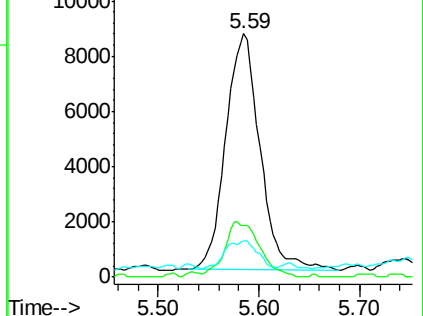
71 10.3 9.0 13.4

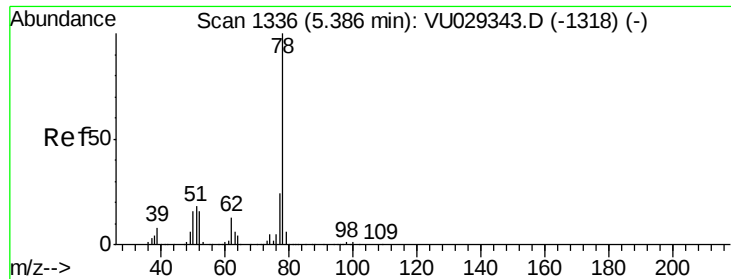


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 71.00 (70.70 to 71.70): VU0





#35

Benzene

Concen: 0.529 ug/l

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 78 Resp: 29101

Ion Ratio Lower Upper

78 100

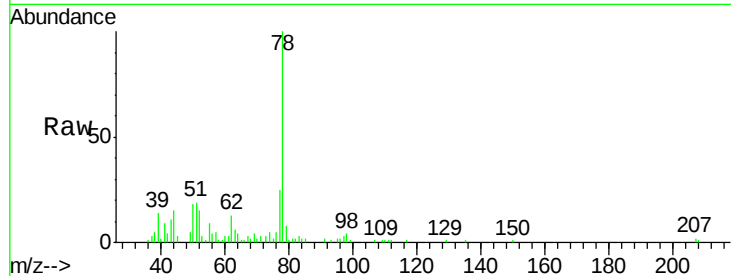
77 23.9 19.8 29.8

Manual Integrations

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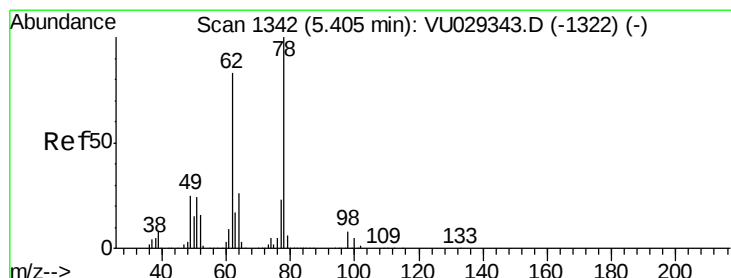
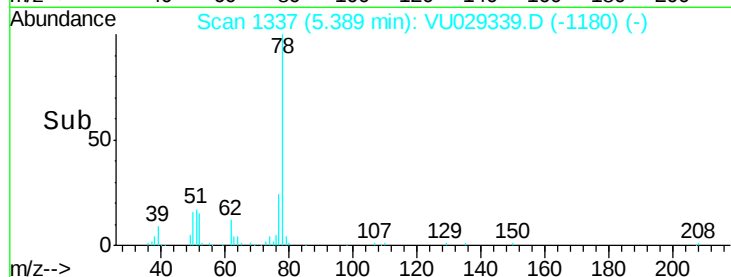
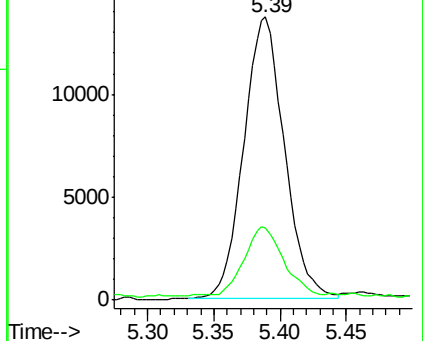
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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 0.562 ug/l

RT: 5.41 min Scan# 1343

Delta R.T. 0.00 min

Lab File: VU029339.D

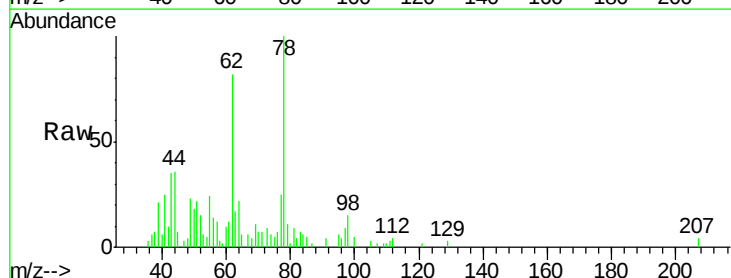
Acq: 05 Feb 2019 10:42

Tgt Ion: 62 Resp: 9359

Ion Ratio Lower Upper

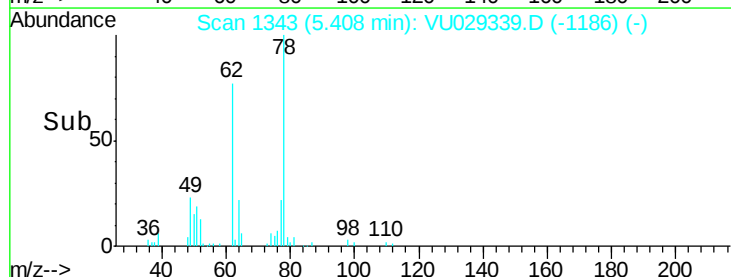
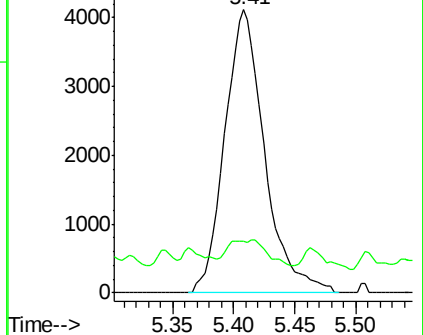
62 100

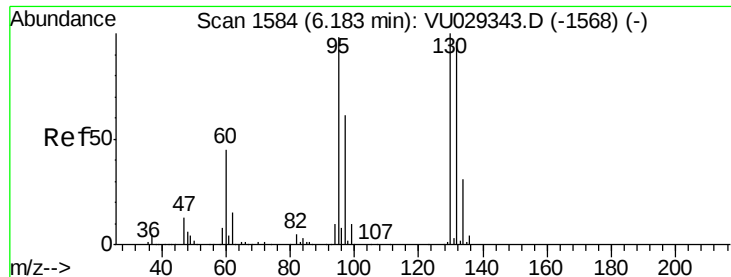
98 3.2 4.9 7.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

Trichloroethene

Concen: 0.509 ug/l

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:130 Resp: 8043

Ion Ratio Lower Upper

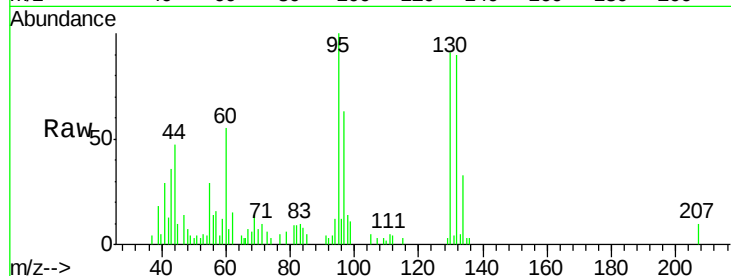
130 100

95 103.0 85.4 128.0

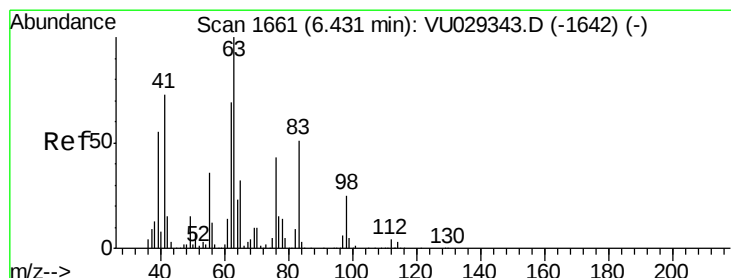
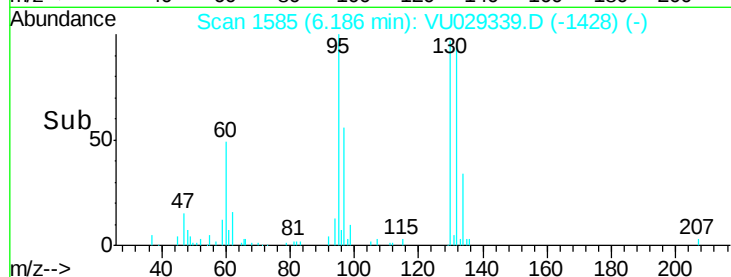
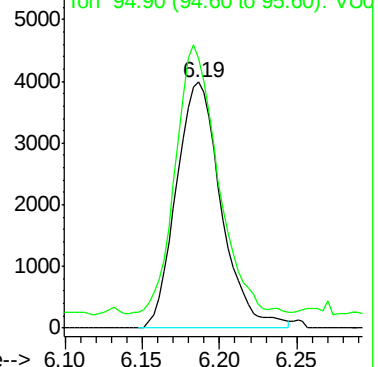
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Abundance Ion 129.90 (129.60 to 130.60): VU029339.D (-1428) (-)



#38

1,2-Dichloropropane

Concen: 0.563 ug/l

RT: 6.43 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VU029339.D

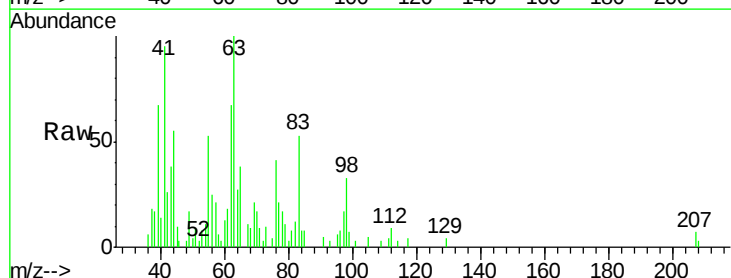
Acq: 05 Feb 2019 10:42

Tgt Ion: 63 Resp: 8067

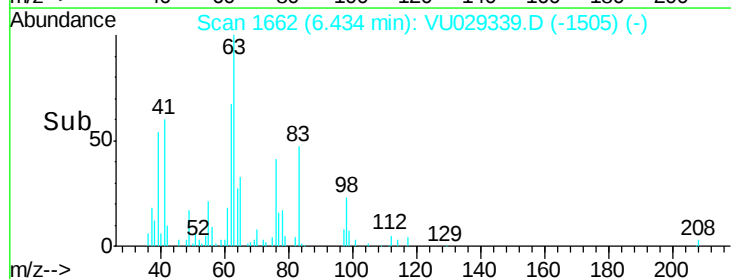
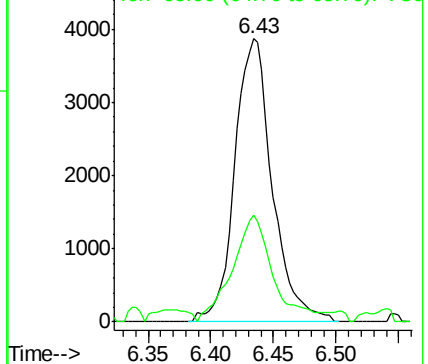
Ion Ratio Lower Upper

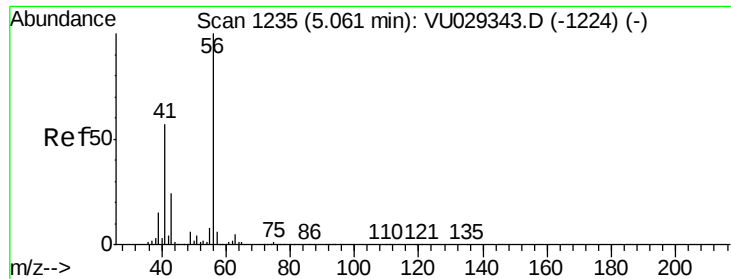
63 100

65 34.4 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU029339.D (-1505) (-)





#42

1-Chlorobutane

Concen: 0.501 ug/l

RT: 5.06 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 56 Resp: 13366

Ion Ratio Lower Upper

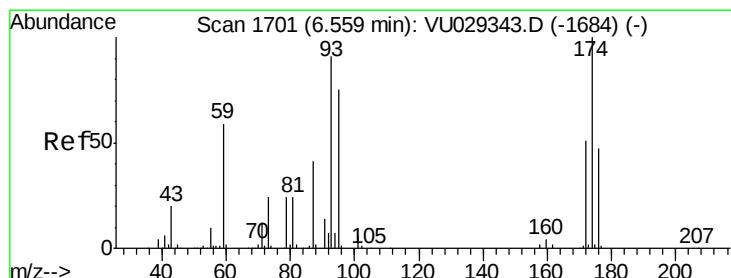
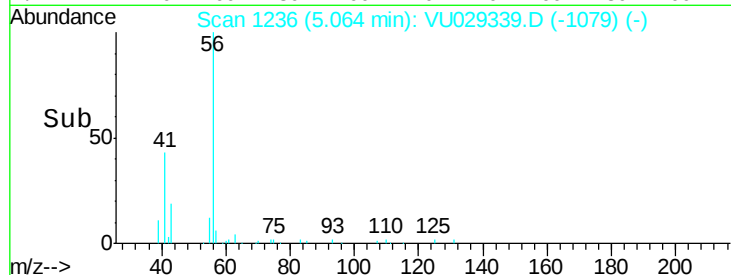
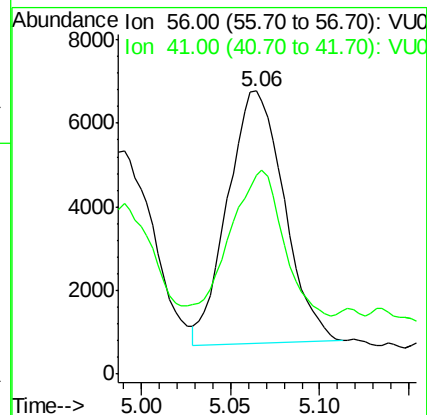
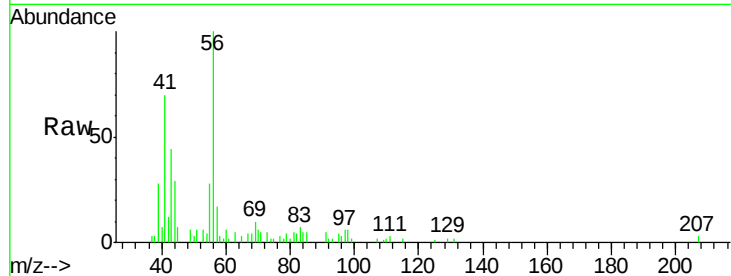
56 100

41 54.5 31.3 93.8

Manual Integrations
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#43

Dibromomethane

Concen: 0.500 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

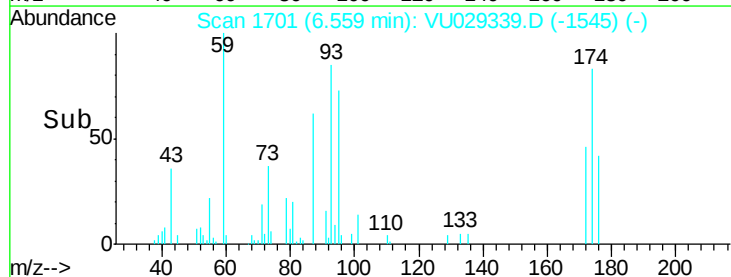
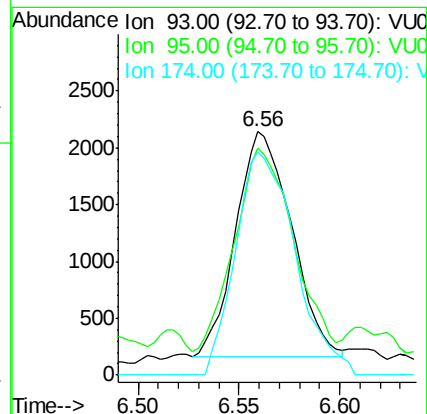
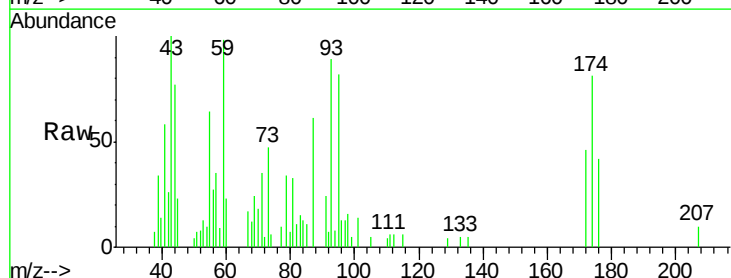
Tgt Ion: 93 Resp: 3817

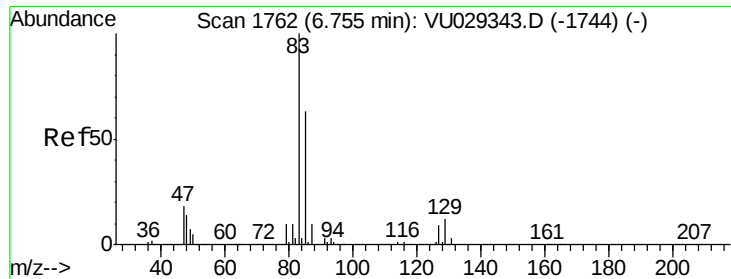
Ion Ratio Lower Upper

93 100

95 94.0 68.2 102.2

174 106.5 77.6 116.4





#44

Bromodichloromethane

Concen: 0.549 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

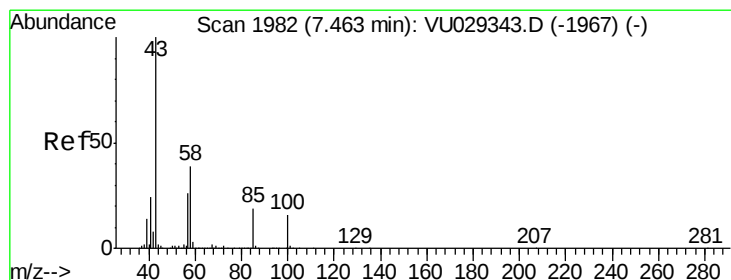
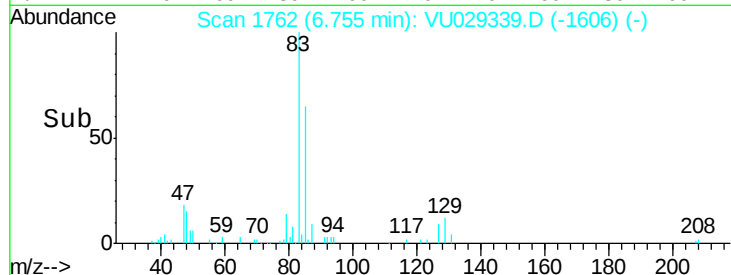
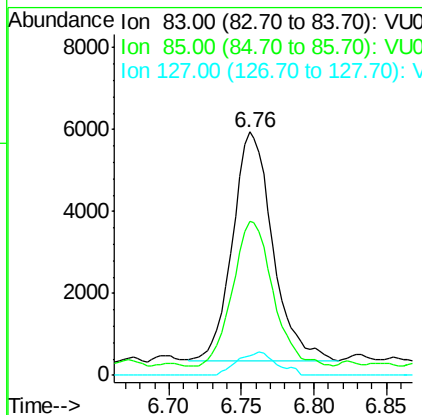
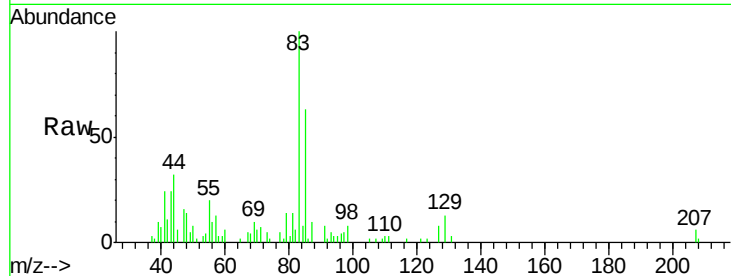
ClientSampleId :

VSTDIC0.5

Tot Ion:	83	Resp:	10679
Ion	Ratio	Lower	Upper
83	100		
85	63.3	49.2	73.8
127	8.5	7.0	10.6

Manual Integrations
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#45

4-Methyl-2-Pentanone

Concen: 2.595 ug/l

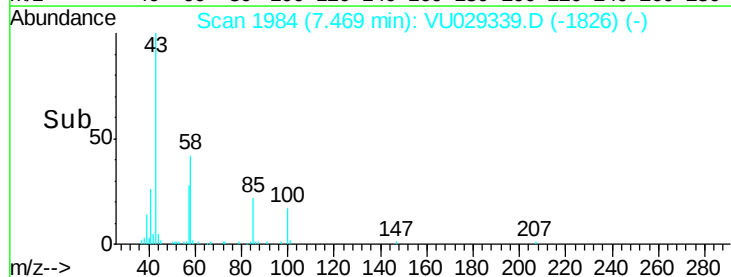
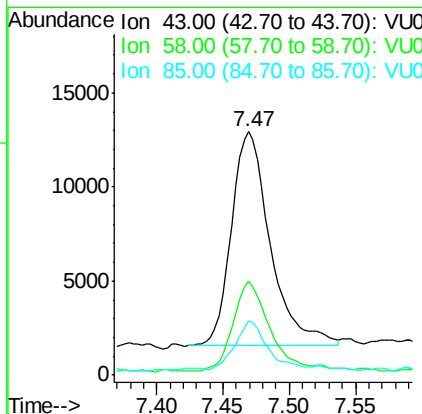
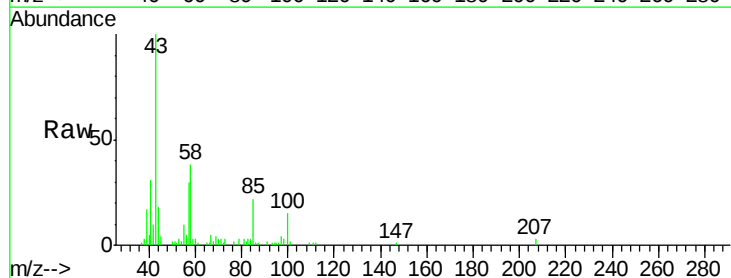
RT: 7.47 min Scan# 1984

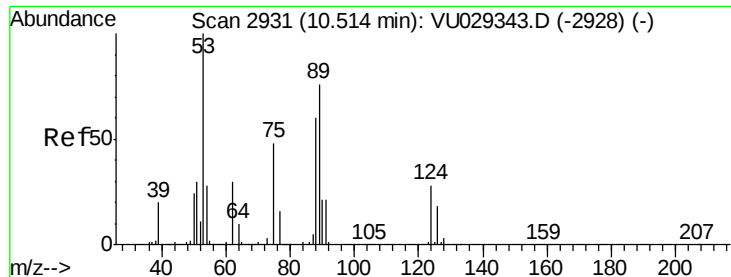
Delta R.T. 0.01 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Tgt Ion:	43	Resp:	23217
Ion	Ratio	Lower	Upper
43	100		
58	39.8	17.6	52.8
85	18.3	12.3	18.5





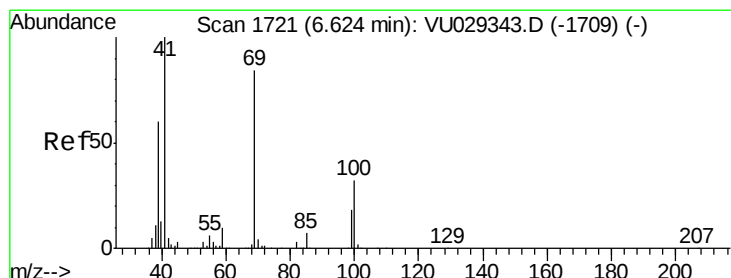
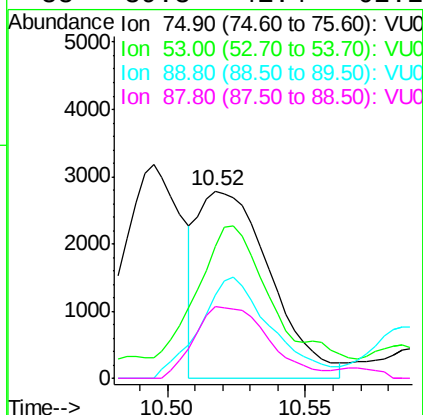
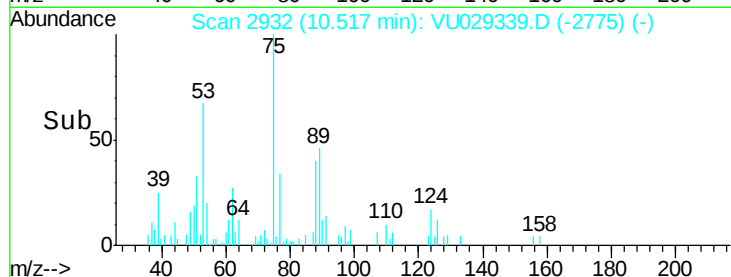
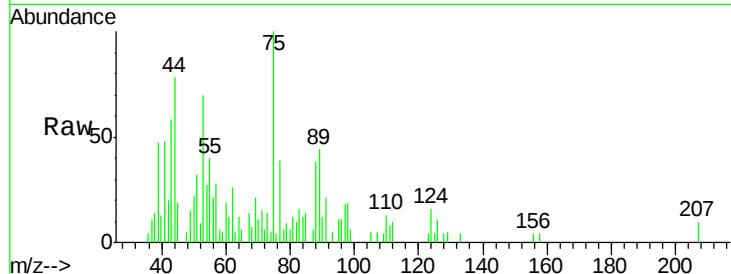
#46
t-1,4-Dichloro-2-butene
Concen: 1.171 ug/l m
RT: 10.52 min Scan# 2932
Delta R.T. 0.00 min
Lab File: VU029339.D
Acq: 05 Feb 2019 10:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
53	71.8	78.2	117.4#
89	53.2	44.2	66.4
88	39.3	41.4	62.2#

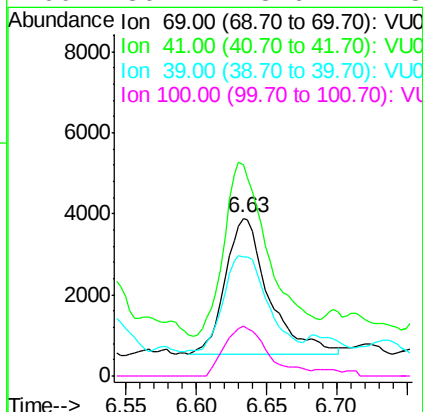
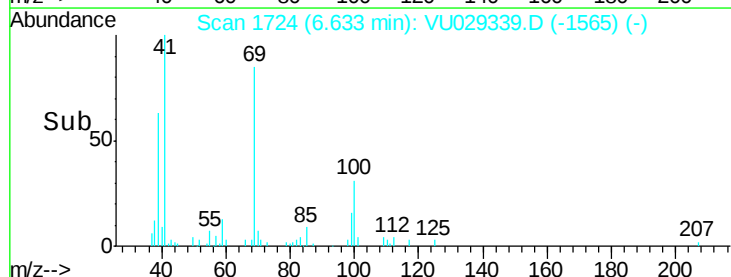
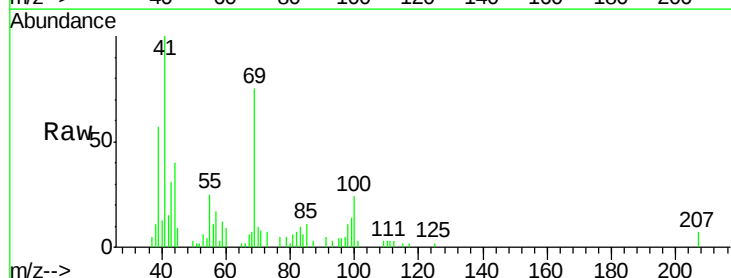
Manual Integrations
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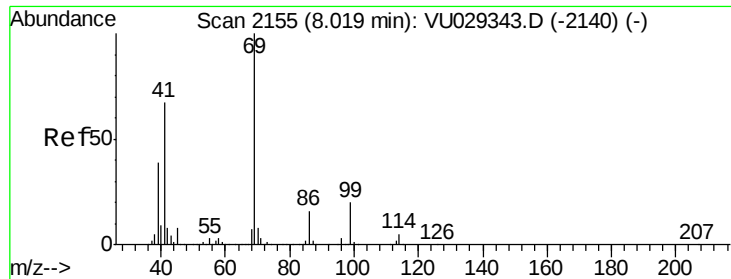
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#47
Methyl methacrylate
Concen: 1.067 ug/l
RT: 6.63 min Scan# 1724
Delta R.T. 0.01 min
Lab File: VU029339.D
Acq: 05 Feb 2019 10:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	132.7	0.0	296.2
39	71.1	71.2	106.8#
100	36.7	28.6	42.8





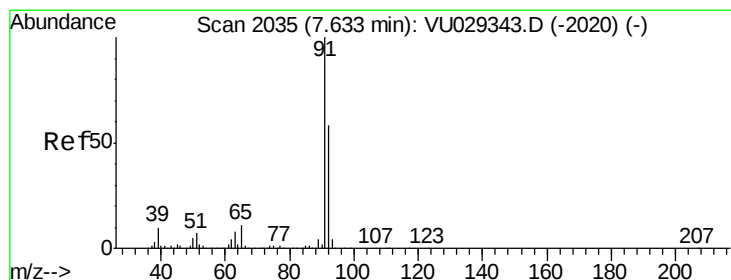
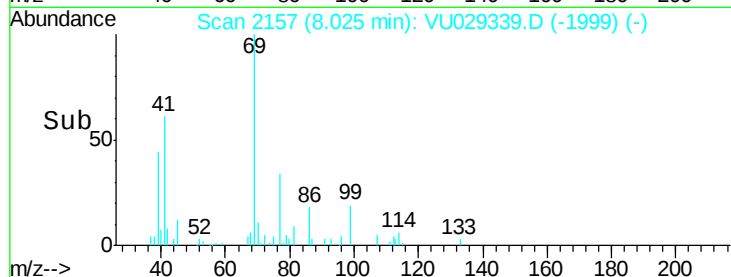
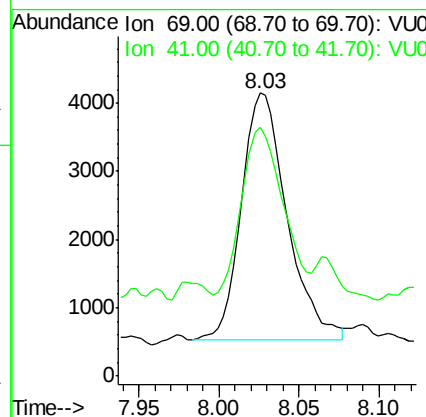
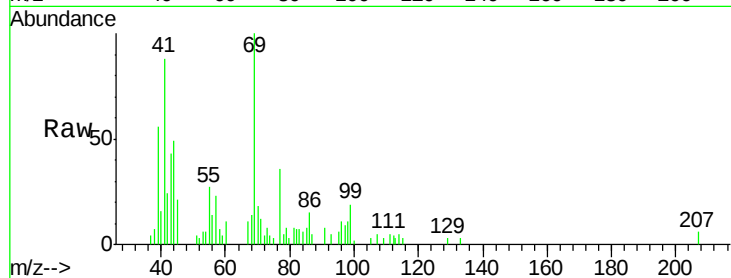
#48
Ethyl methacrylate
Concen: 0.493 ug/l
RT: 8.03 min Scan# 2157
Delta R.T. 0.01 min
Lab File: VU029339.D
Acq: 05 Feb 2019 10:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
69	100		
41	66.2	39.9	119.7

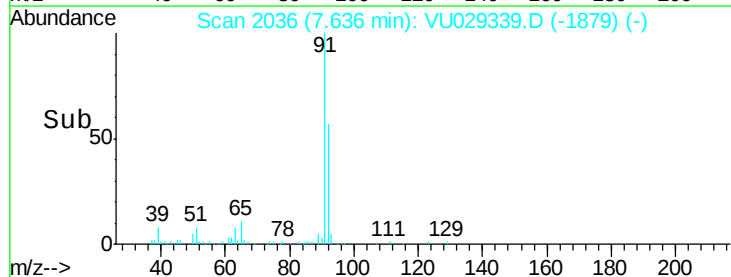
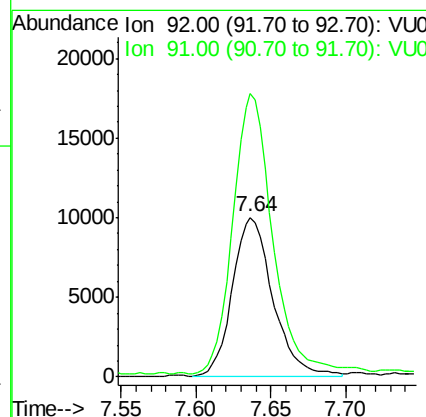
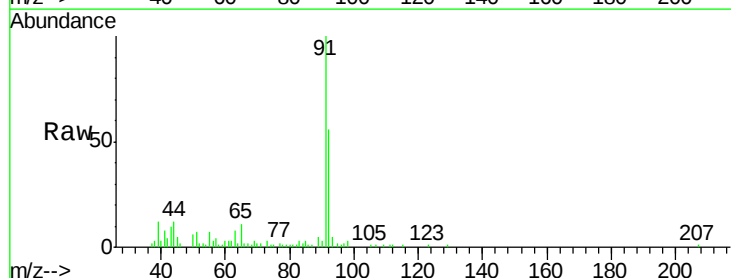
Manual Integrations
APPROVED

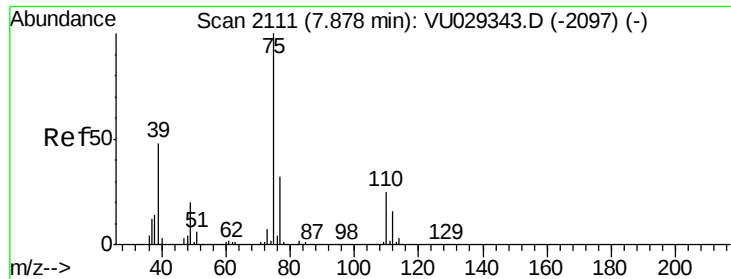
sam
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#49
Toluene
Concen: 0.541 ug/l
RT: 7.64 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VU029339.D
Acq: 05 Feb 2019 10:42

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.6	140.7	211.1





#50

t-1,3-Dichloropropene

Concen: 0.559 ug/l

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 10649

Ion Ratio Lower Upper

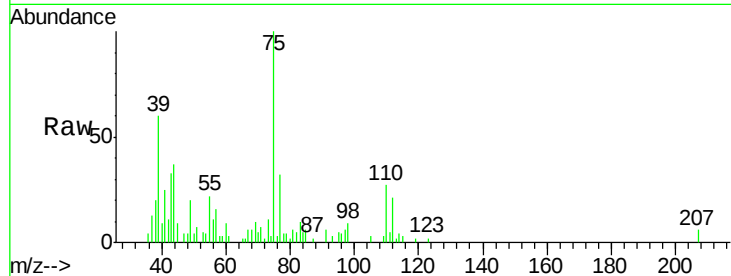
75 100

77 28.1 23.6 35.4

Manual Integrations
APPROVED

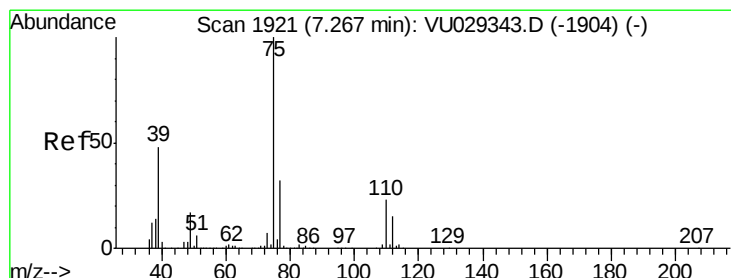
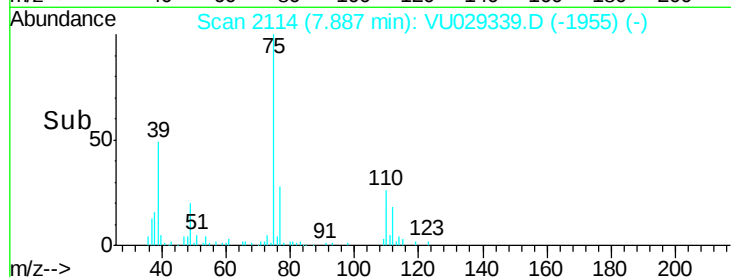
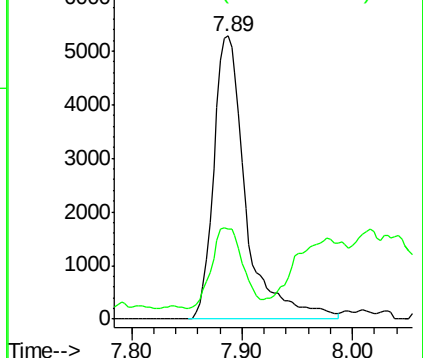
sam

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Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#51

cis-1,3-Dichloropropene

Concen: 0.541 ug/l

RT: 7.27 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

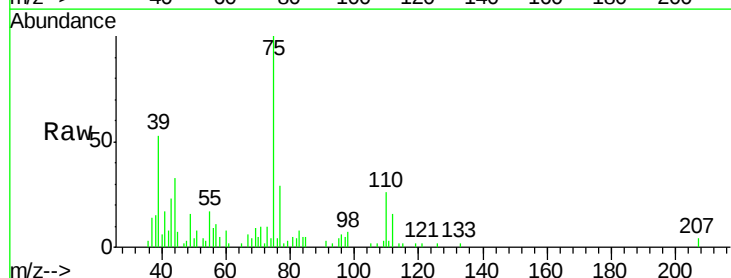
Tgt Ion: 75 Resp: 12261

Ion Ratio Lower Upper

75 100

77 26.3 24.9 37.3

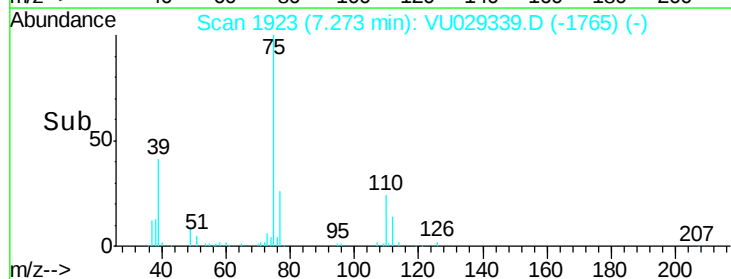
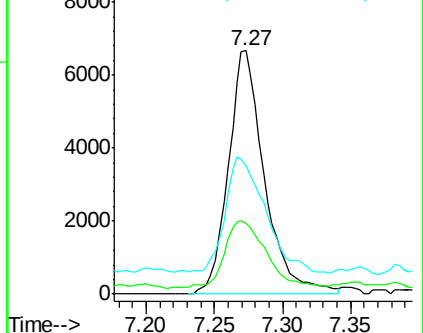
39 43.3 47.2 70.8#

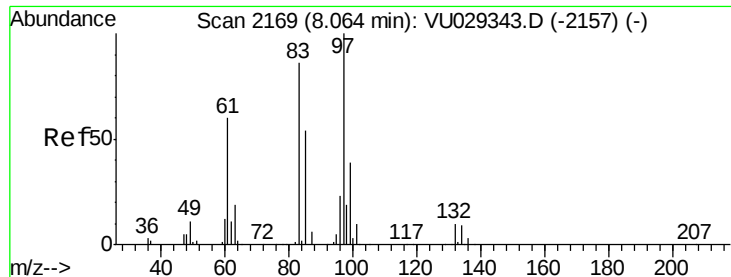


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





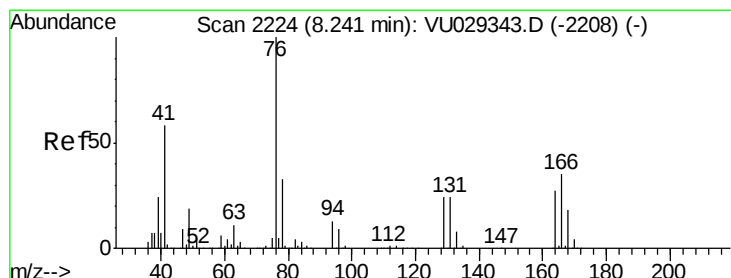
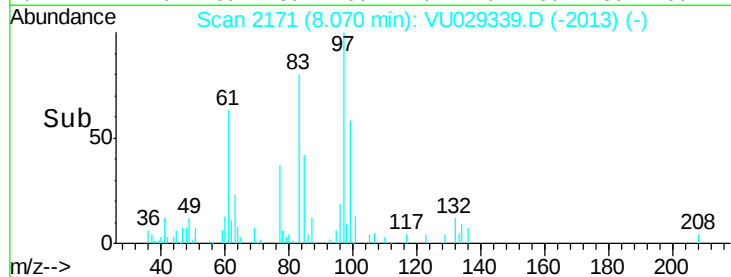
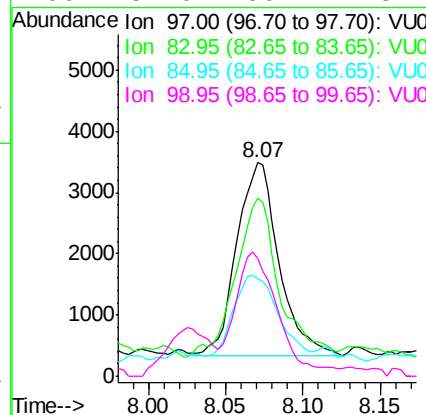
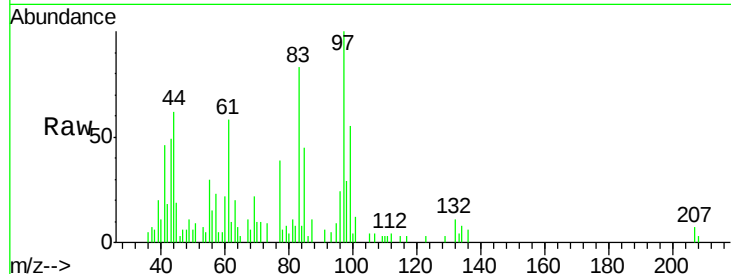
#52
 1,1,2-Trichloroethane
 Concen: 0.586 ug/l
 RT: 8.07 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VU029339.D
 Acq: 05 Feb 2019 10:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		5917		
83	80.3	69.9	104.9		
85	40.1	45.8	68.6		
99	57.0	50.2	75.2		

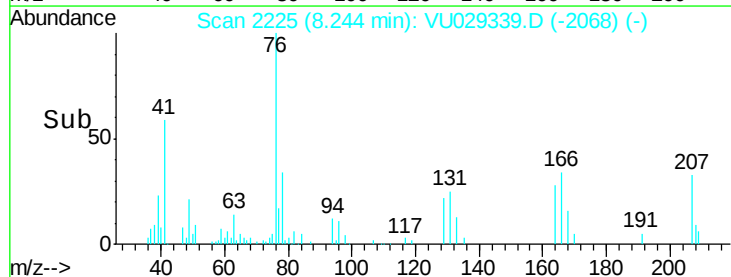
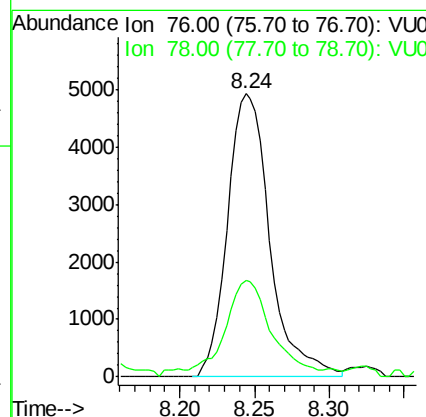
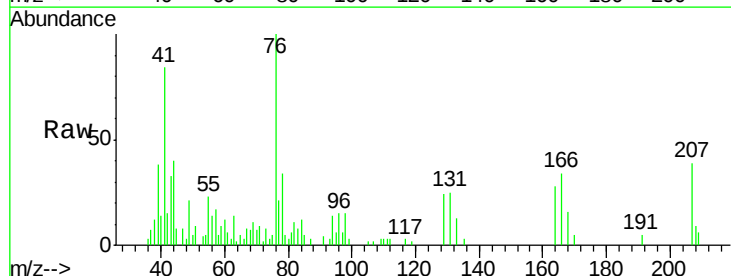
Manual Integrations
 APPROVED

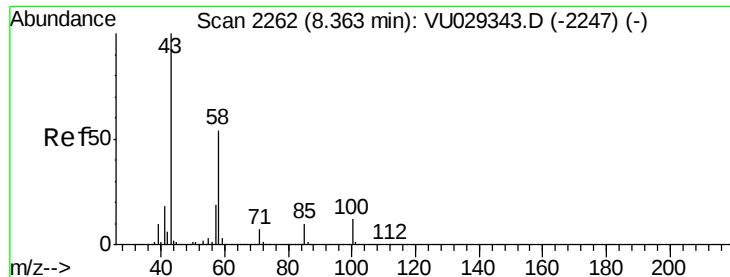
sam
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#53
 1,3-Dichloropropane
 Concen: 0.547 ug/l
 RT: 8.24 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: VU029339.D
 Acq: 05 Feb 2019 10:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
76	100		9702		
78	39.4	26.3	39.5		





#54

2-Hexanone

Concen: 2.561 ug/l

RT: 8.37 min Scan# 2265

Delta R.T. 0.01 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

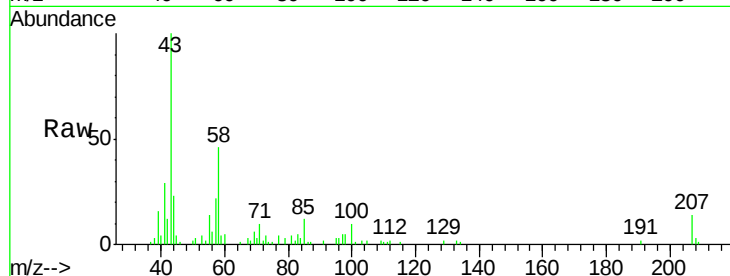
ClientSampleId :

VSTDIC0.5

Tot Ion:	43	Resp:	16061
Ion	Ratio	Lower	Upper
43	100		
58	54.9	26.0	66.0
57	21.9	0.0	37.7

Manual Integrations
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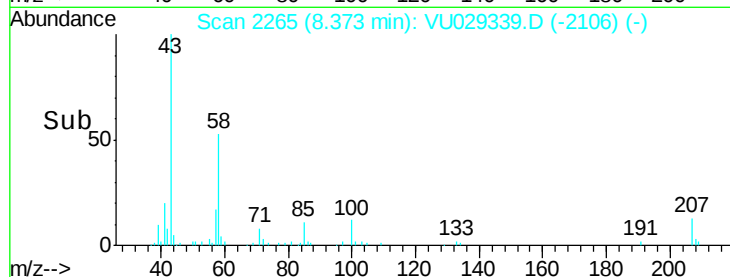


Abundance Ion 43.00 (42.70 to 43.70): VU029339.D (-2106) (-)

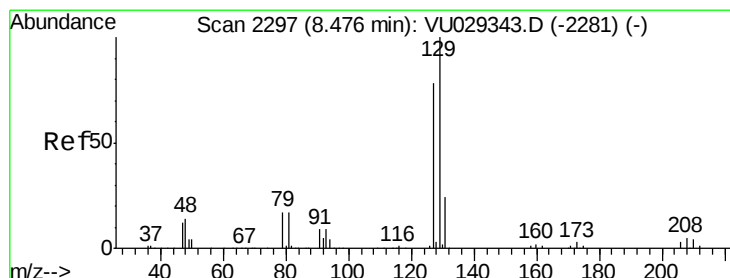
Ion 58.00 (57.70 to 58.70): VU029339.D (-2106) (-)

Ion 57.00 (56.70 to 57.70): VU029339.D (-2106) (-)

Time-->



Time-->



#55

Dibromochloromethane

Concen: 0.521 ug/l

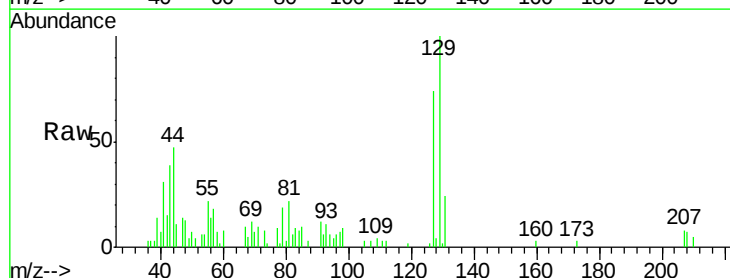
RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

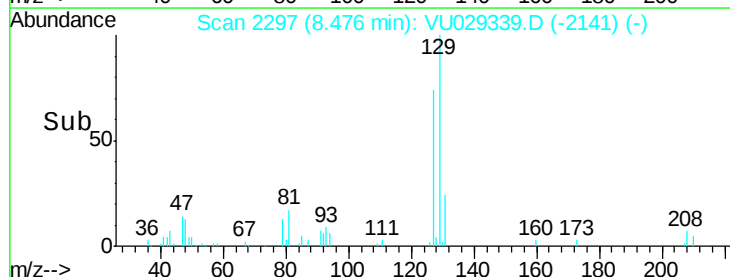
Tgt Ion:	129	Resp:	7484
Ion	Ratio	Lower	Upper
129	100		
127	78.9	60.5	90.7



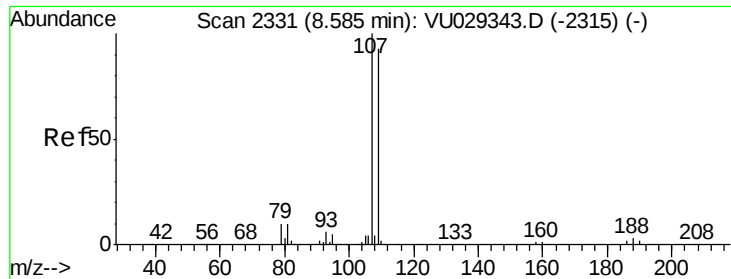
Abundance Ion 129.00 (128.70 to 129.70): VU029339.D (-2141) (-)

Ion 127.00 (126.70 to 127.70): VU029339.D (-2141) (-)

Time-->



Time-->



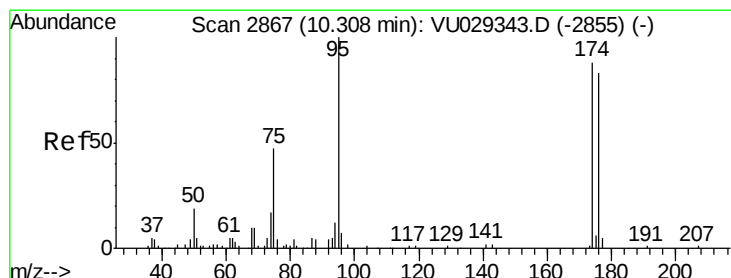
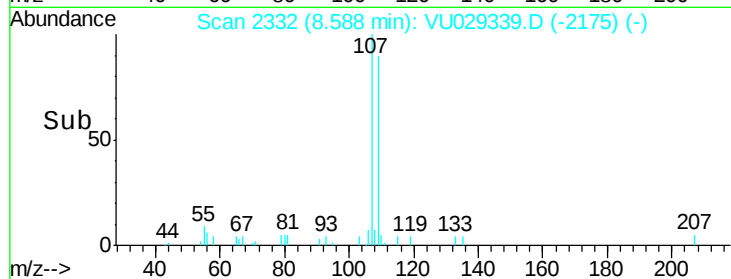
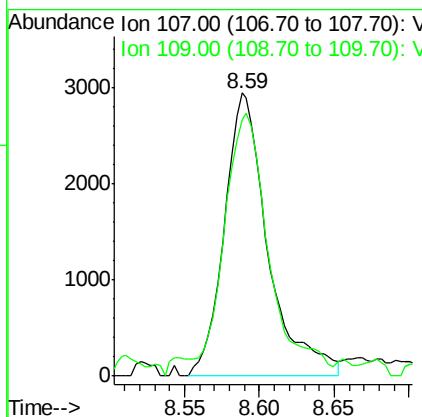
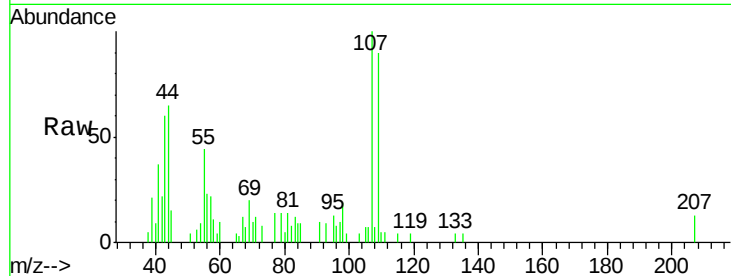
#56
 1,2-Dibromoethane
 Concen: 0.578 ug/l
 RT: 8.59 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VU029339.D
 Acq: 05 Feb 2019 10:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
107	100		
109	87.6	0.0	189.6

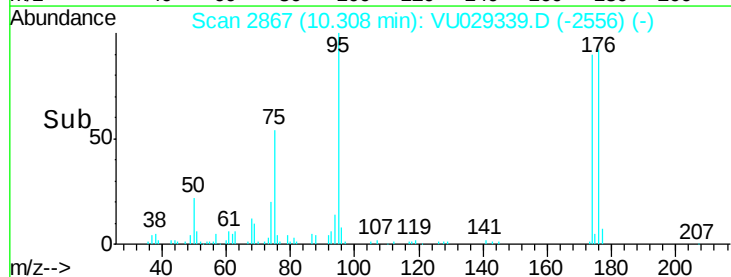
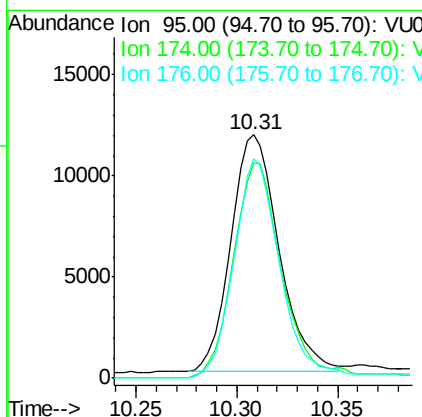
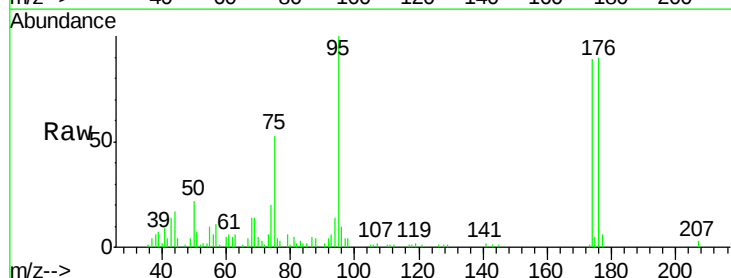
Manual Integrations
 APPROVED

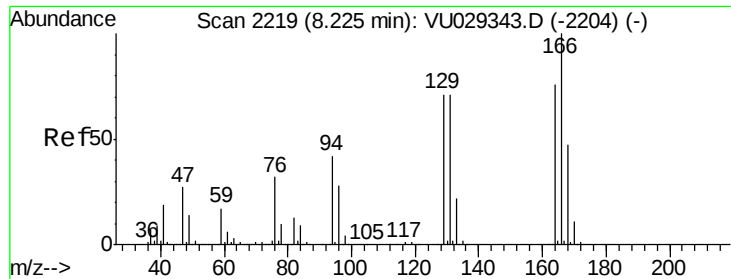
sam
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#57
 4-Bromofluorobenzene
 Concen: 0.578 ug/l
 RT: 10.31 min Scan# 2867
 Delta R.T. 0.00 min
 Lab File: VU029339.D
 Acq: 05 Feb 2019 10:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.6	64.2	96.2
176	90.2	62.3	93.5





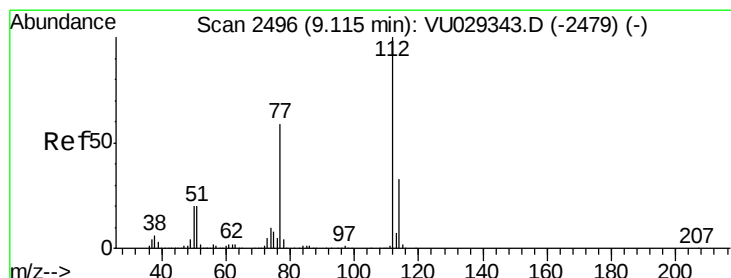
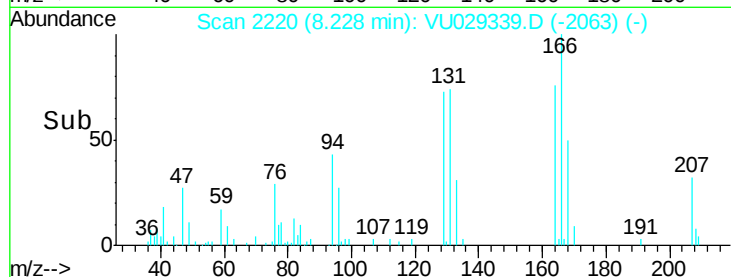
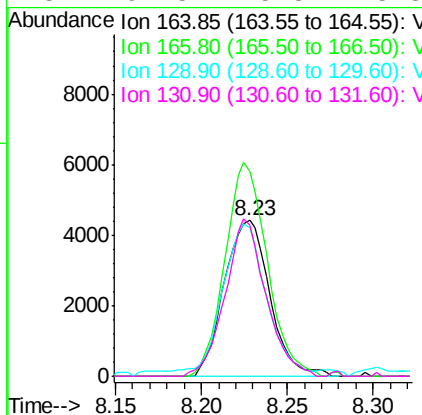
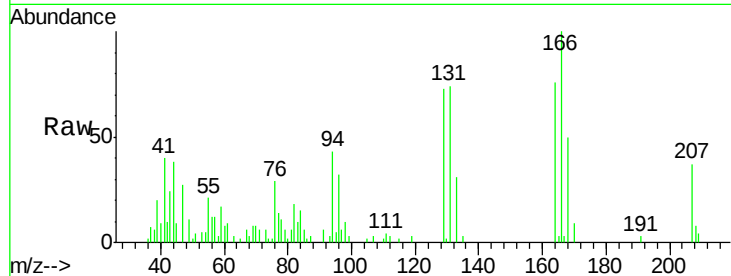
#58
 Tetrachloroethene
 Concen: 0.555 ug/l
 RT: 8.23 min Scan# 2220
 Delta R.T. 0.00 min
 Lab File: VU029339.D
 Acq: 05 Feb 2019 10:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	164	Resp:	8158
Ion	Ratio	Lower	Upper
164	100		
166	131.5	106.6	159.8
129	92.5	79.9	119.9
131	94.5	75.8	113.8

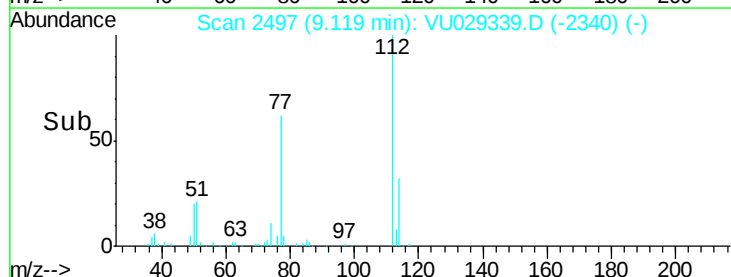
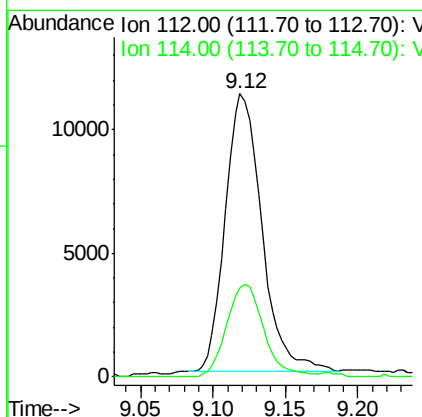
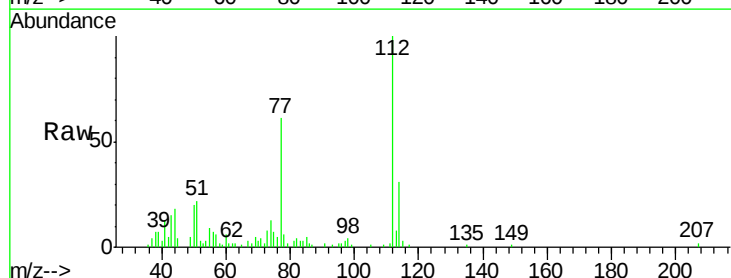
Manual Integrations
 APPROVED

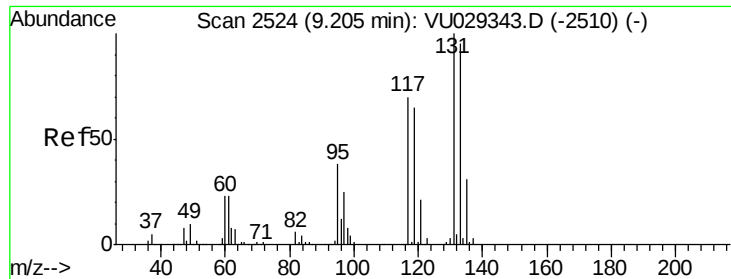
sam
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#59
 Chlorobenzene
 Concen: 0.499 ug/l
 RT: 9.12 min Scan# 2497
 Delta R.T. 0.00 min
 Lab File: VU029339.D
 Acq: 05 Feb 2019 10:42

Tgt Ion:	112	Resp:	19808
Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.2	39.4





#60

1,1,1,2-Tetrachloroethane

Concen: 0.545 ug/l

RT: 9.21 min Scan# 2525

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

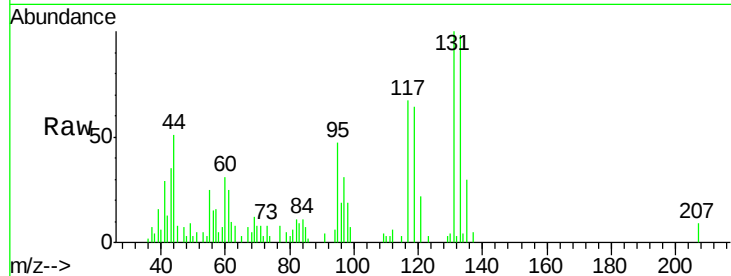
ClientSampleId :

VSTDIC0.5

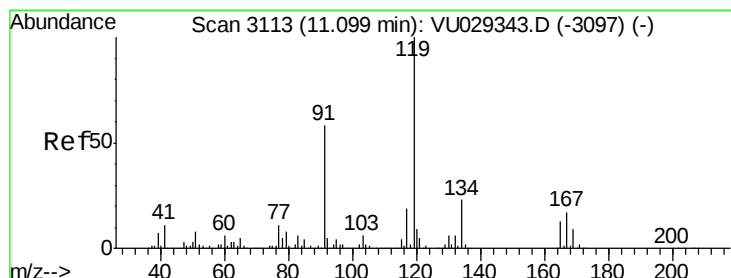
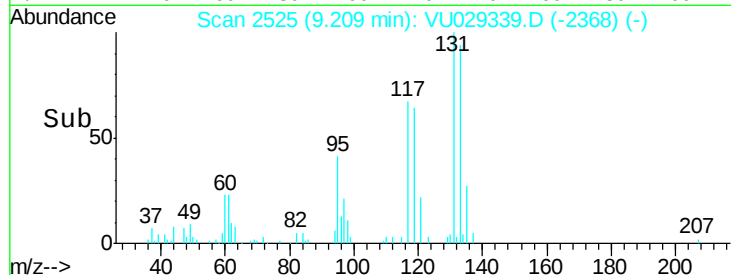
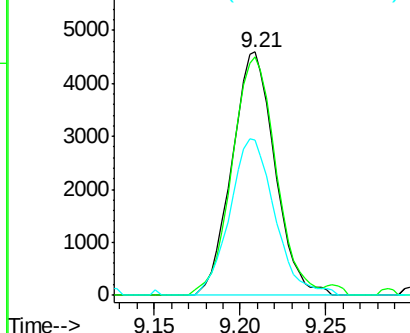
Tot Ion:	131	Resp:	7998
Ion	Ratio	Lower	Upper
131	100		
133	99.9	77.3	115.9
119	67.3	48.9	73.3

Manual Integrations
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Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#61

Pentachloroethane

Concen: 0.529 ug/l

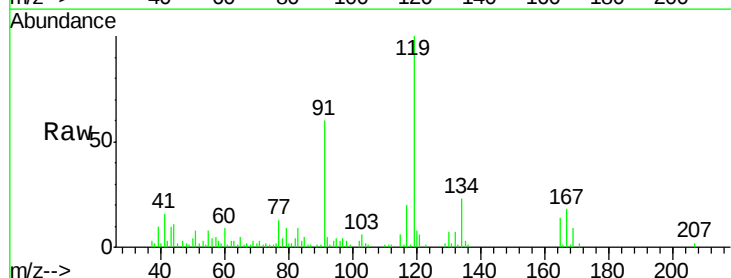
RT: 11.10 min Scan# 3114

Delta R.T. 0.00 min

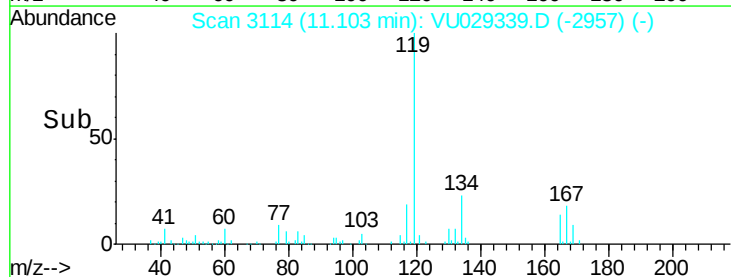
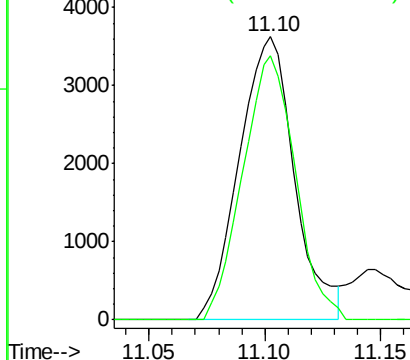
Lab File: VU029339.D

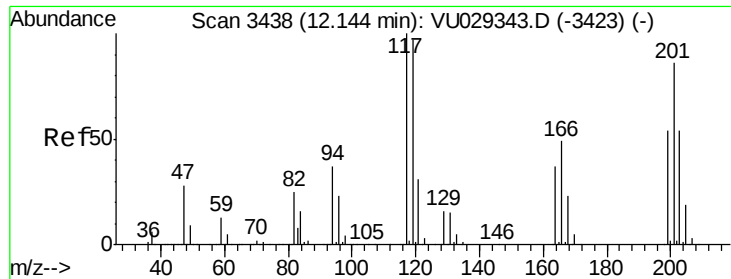
Acq: 05 Feb 2019 10:42

Tgt Ion:	117	Resp:	6015
Ion	Ratio	Lower	Upper
117	100		
167	88.6	65.9	98.9



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





#62

Hexachloroethane

Concen: 0.558 ug/l

RT: 12.14 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 117 Resp: 6923

Ion Ratio Lower Upper

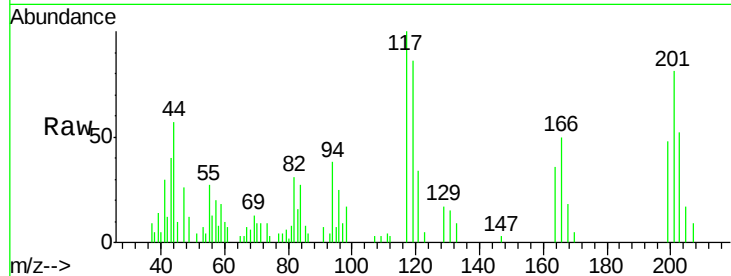
117 100

201 78.9 68.2 102.2

Manual Integrations
APPROVED

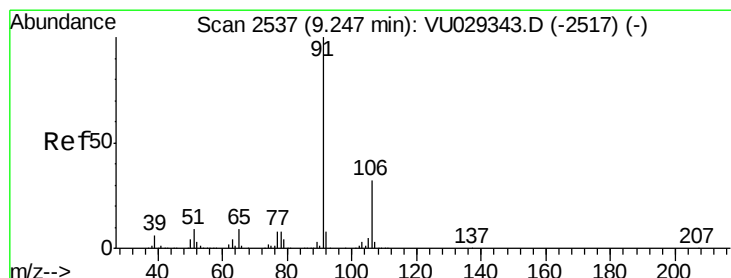
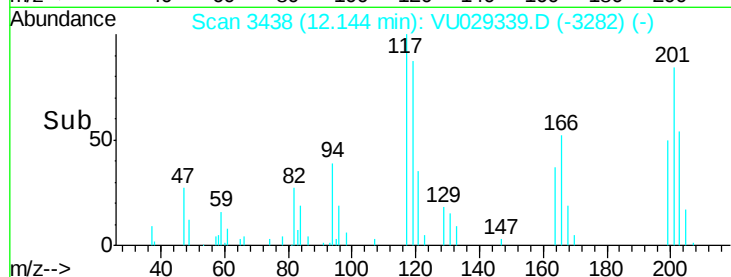
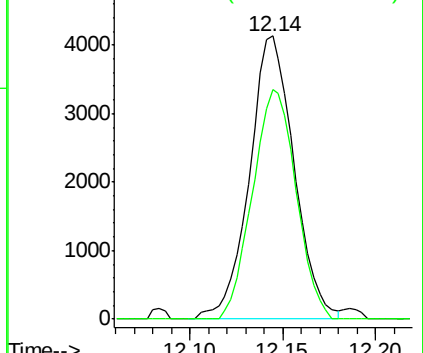
sam

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V



#63

Ethyl Benzene

Concen: 0.524 ug/l

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU029339.D

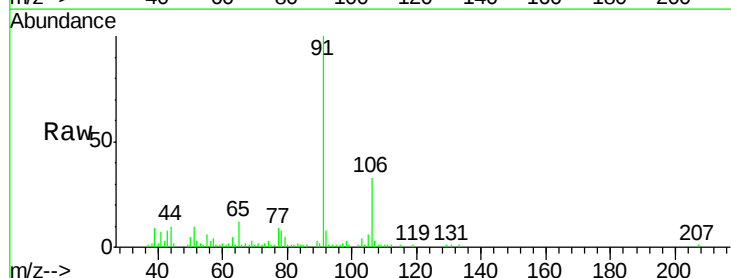
Acq: 05 Feb 2019 10:42

Tgt Ion: 91 Resp: 36088

Ion Ratio Lower Upper

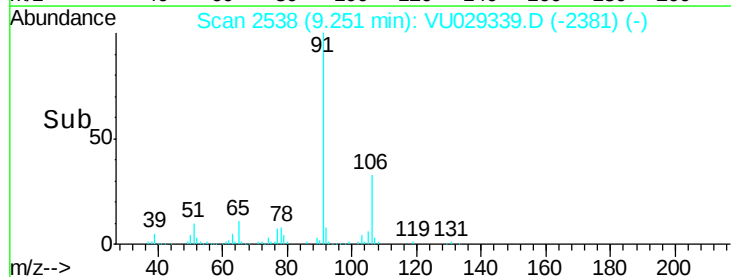
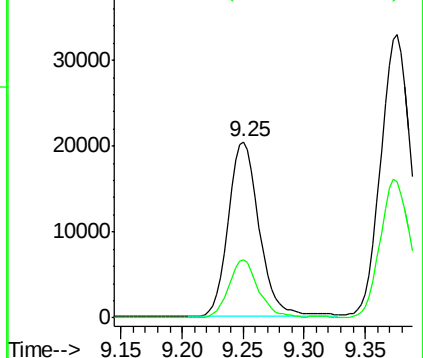
91 100

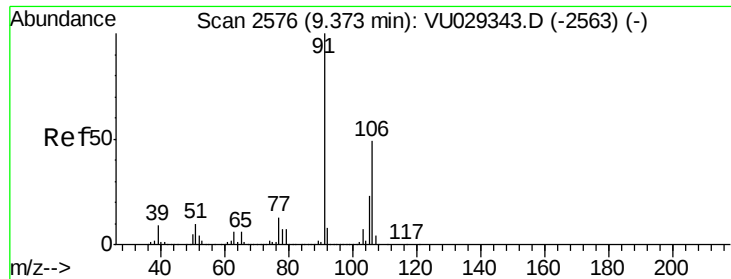
106 33.2 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#64

m/p-Xylenes

Concen: 1.056 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:106 Resp: 28272

Ion Ratio Lower Upper

106 100

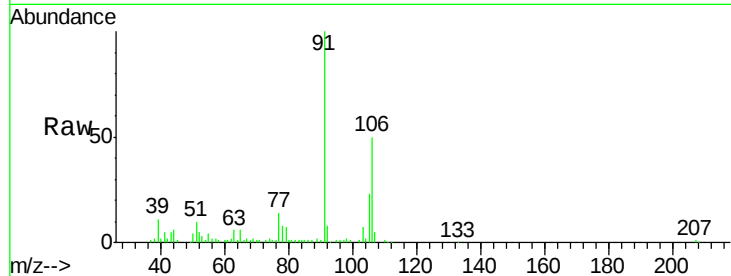
91 203.4 174.6 261.8

Manual Integrations

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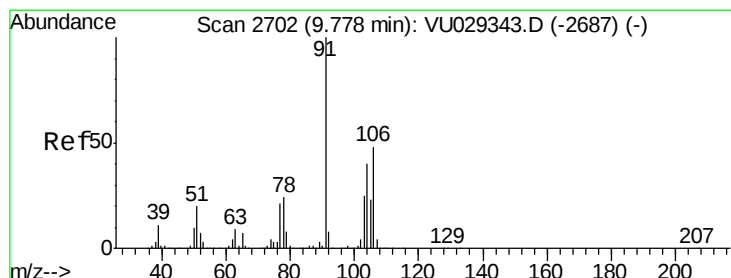
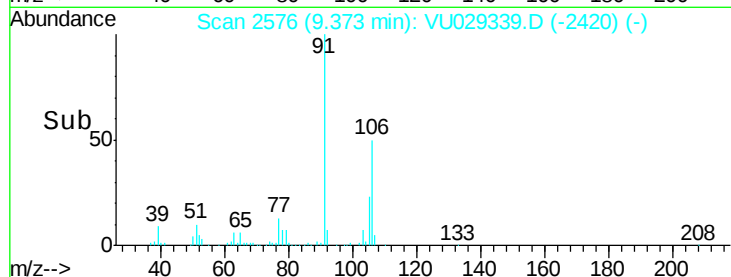
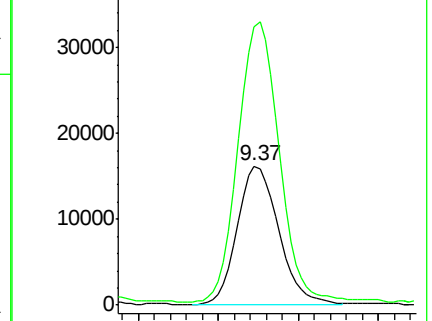
sam

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#65

o-Xylene

Concen: 0.543 ug/l

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VU029339.D

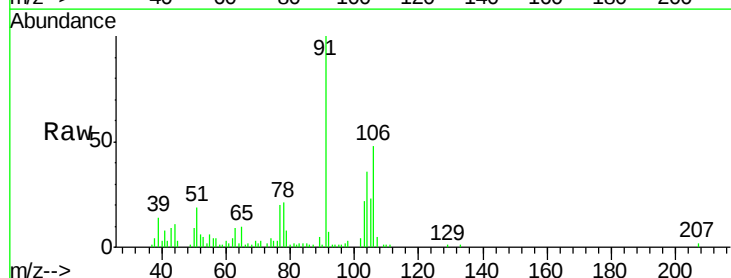
Acq: 05 Feb 2019 10:42

Tgt Ion:106 Resp: 14268

Ion Ratio Lower Upper

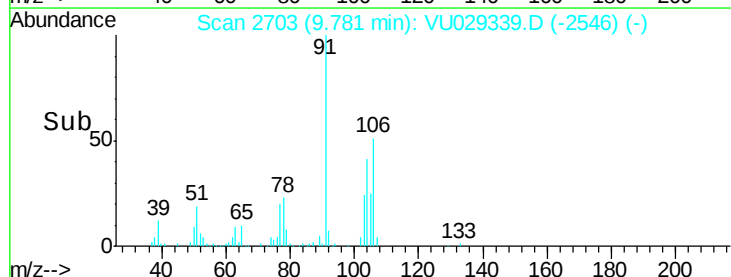
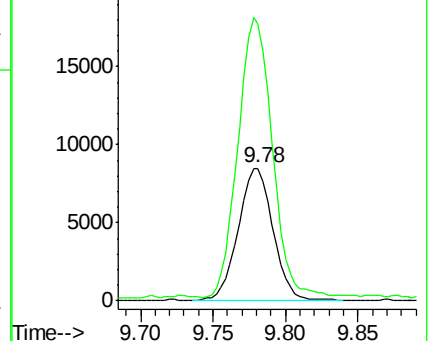
106 100

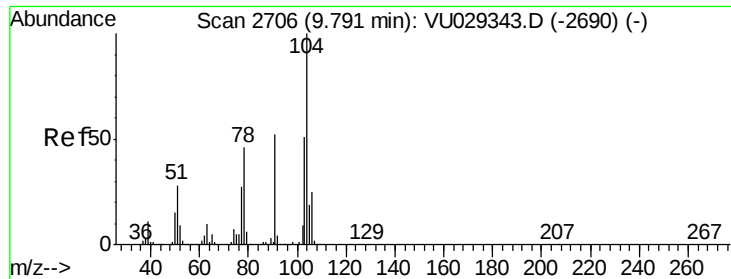
91 206.9 114.5 343.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





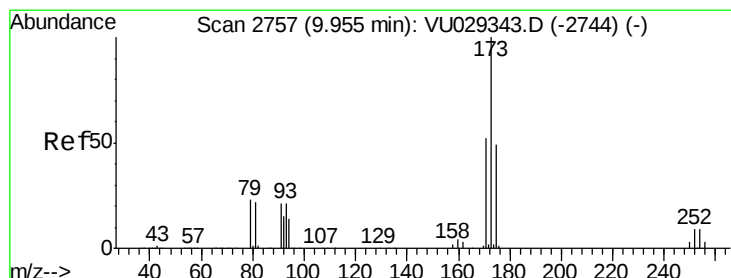
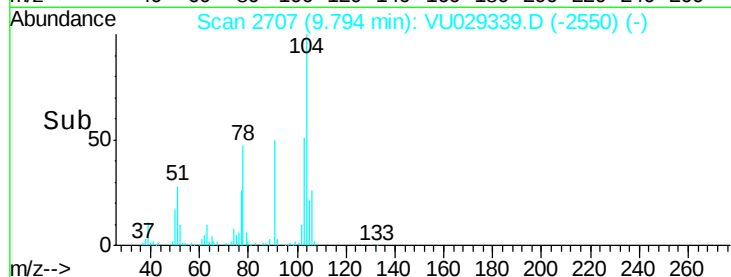
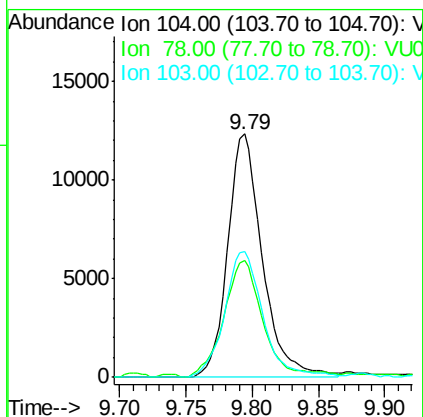
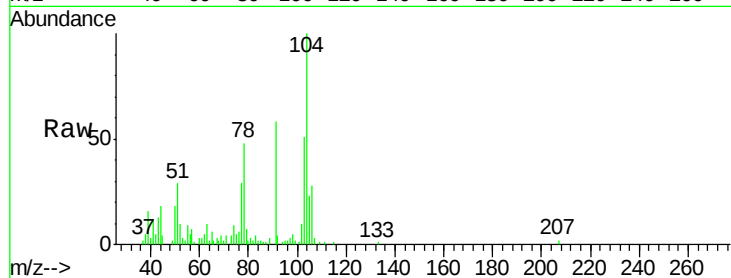
#66
Stvrene
Concen: 0.514 ug/l
RT: 9.79 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VU029339.D
Acq: 05 Feb 2019 10:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.1	46.5	69.7
103	57.1	44.7	67.1

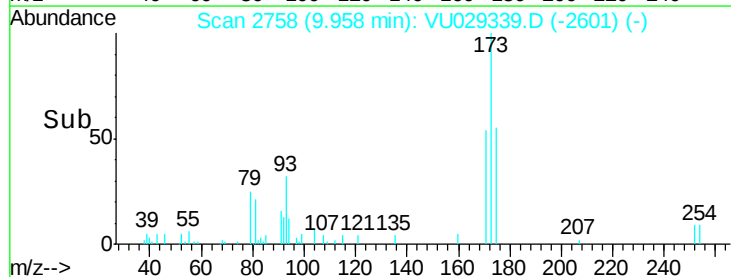
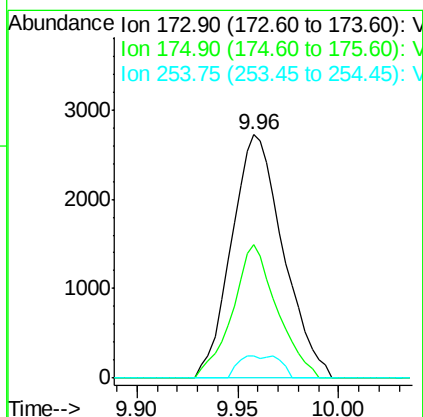
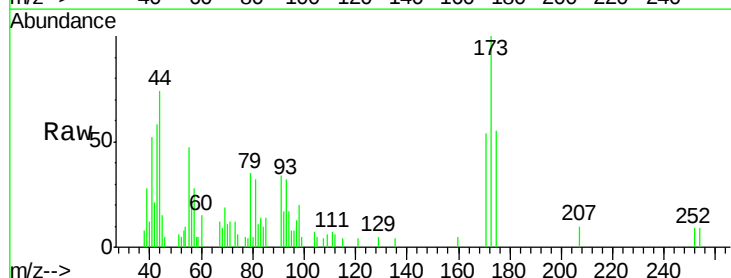
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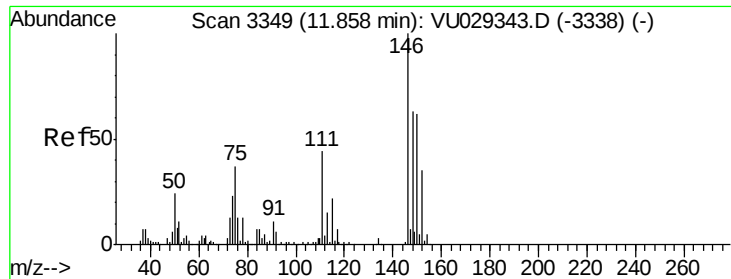
sam
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#67
Bromoform
Concen: 0.545 ug/l
RT: 9.96 min Scan# 2758
Delta R.T. 0.00 min
Lab File: VU029339.D
Acq: 05 Feb 2019 10:42

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.4	38.9	58.3
254	7.4	7.4	11.2





#68

1,2-Dichlorobenzene-d4

Concen: 0.545 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:152 Resp: 20430

Ion Ratio Lower Upper

152 100

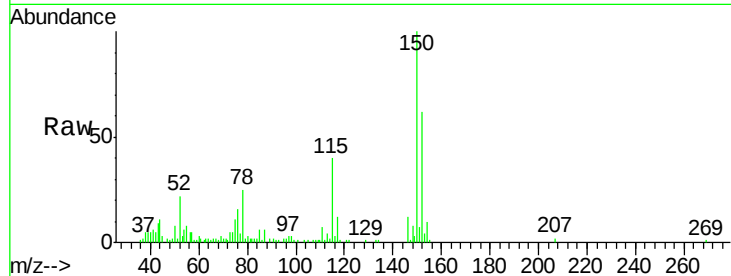
115 65.5 0.0 133.4

150 160.7 0.0 670.8

Manual Integrations
APPROVED

sam

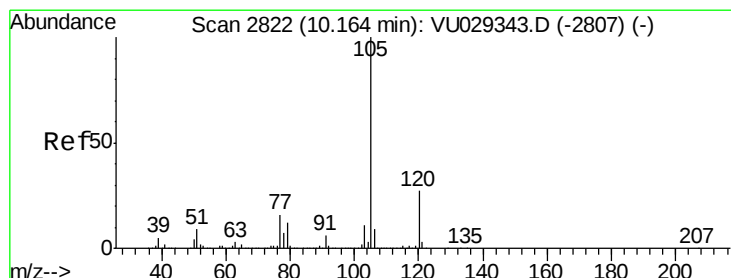
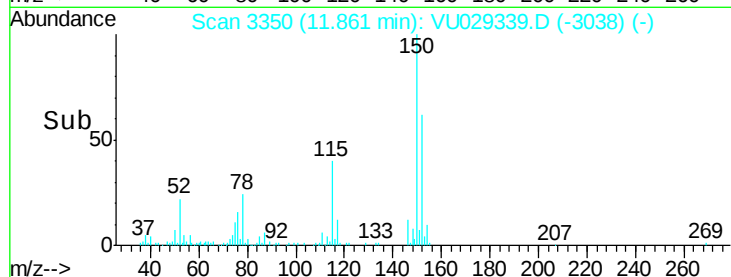
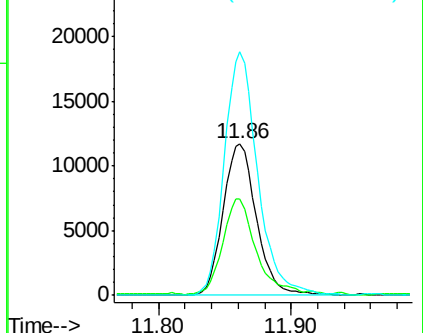
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Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#69

Isopropylbenzene

Concen: 0.523 ug/l

RT: 10.17 min Scan# 2823

Delta R.T. 0.00 min

Lab File: VU029339.D

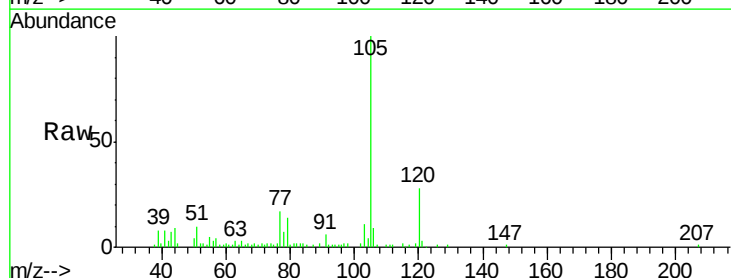
Acq: 05 Feb 2019 10:42

Tgt Ion:105 Resp: 36709

Ion Ratio Lower Upper

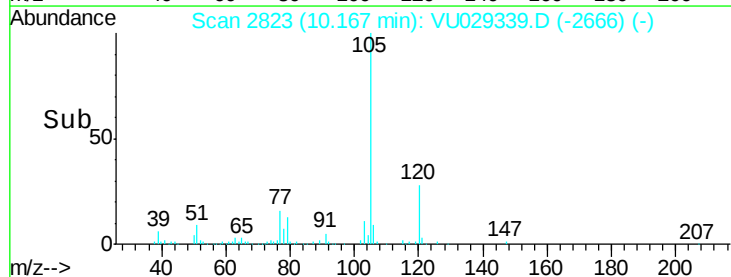
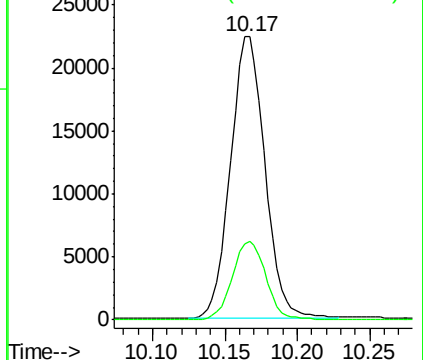
105 100

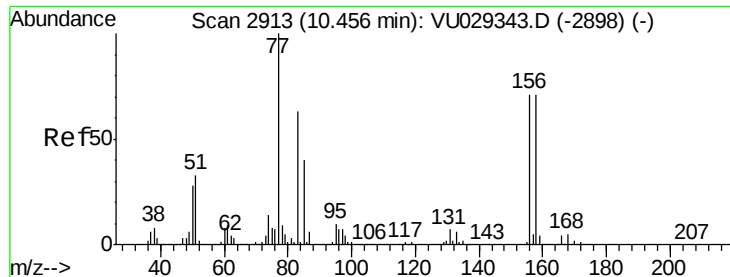
120 27.2 12.6 37.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#70

1,1,2,2-Tetrachloroethane

Concen: 0.518 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

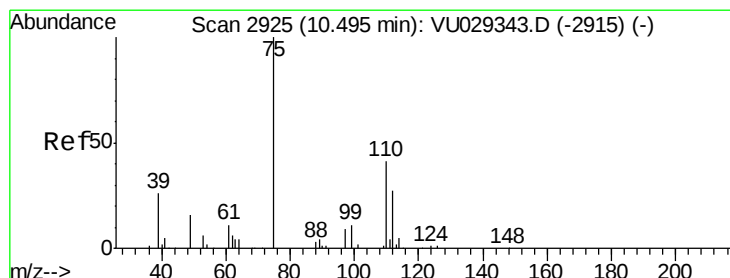
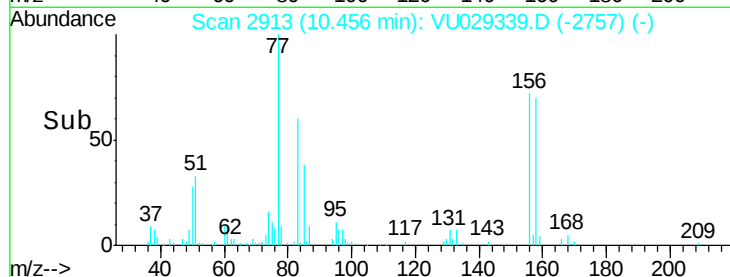
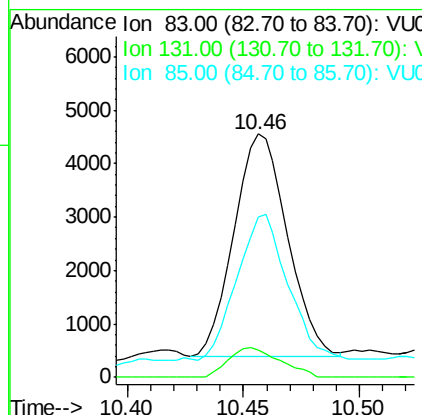
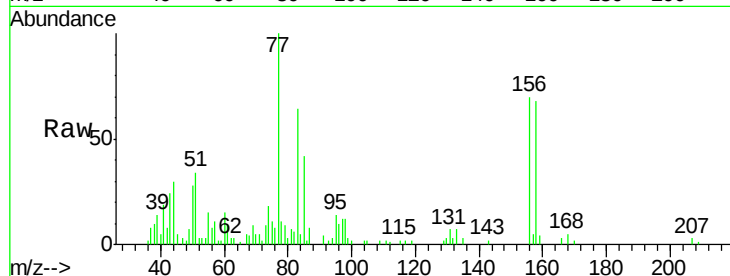
ClientSampleId :

VSTDIC0.5

Tot Ion	83	Resp	6702
Ion	Ratio	Lower	Upper
83	100		
131	12.9	8.1	12.1#
85	69.4	50.3	75.5

Manual Integrations
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#71

1,2,3-Trichloropropane

Concen: 0.532 ug/l m

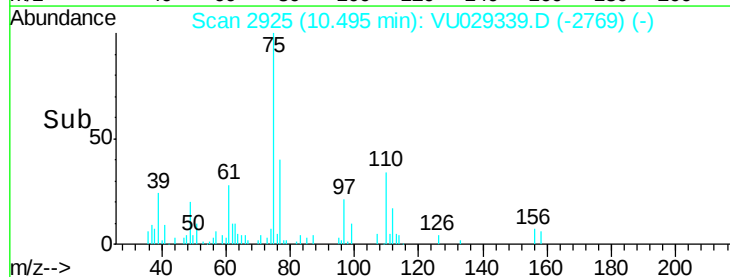
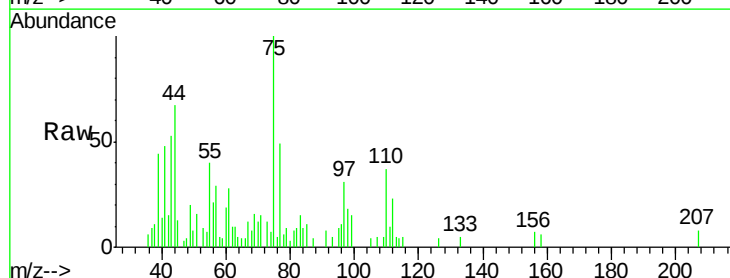
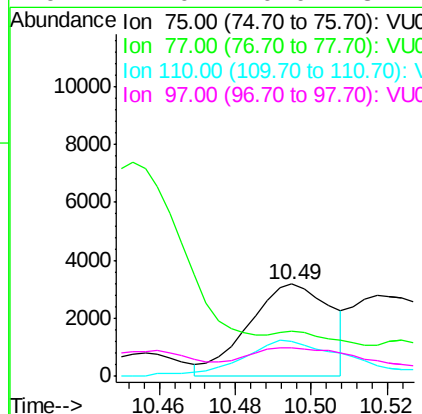
RT: 10.49 min Scan# 2925

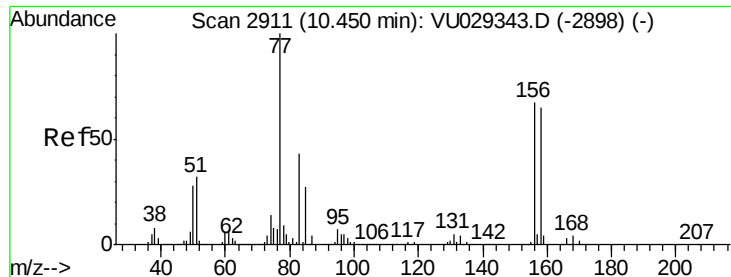
Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Tgt Ion	75	Resp	4821
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	52.2	0.0	63.6
97	24.0	0.0	31.4





#72

Bromobenzene

Concen: 0.503 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

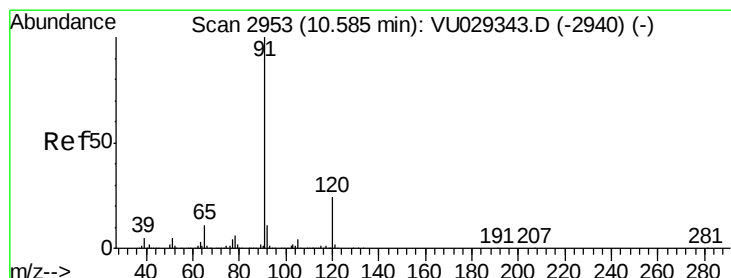
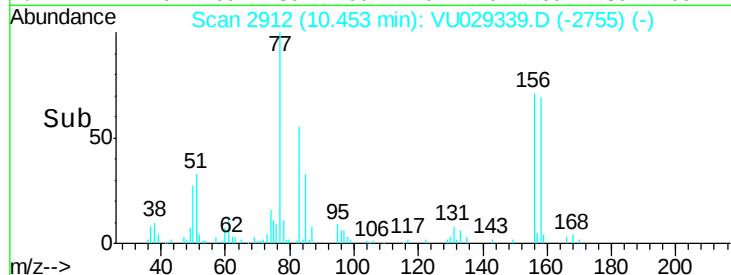
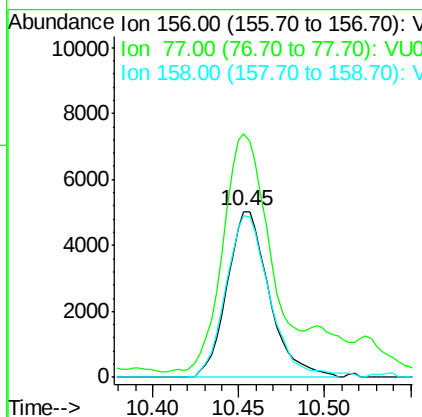
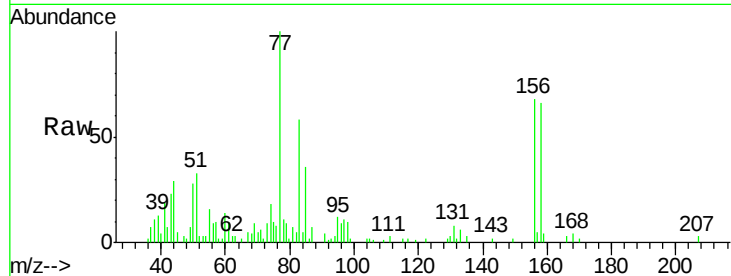
ClientSampleId :

VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	156.1	0.0	343.8		
158	101.4	0.0	195.0		

Manual Integrations
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#73

n-propylbenzene

Concen: 0.539 ug/l

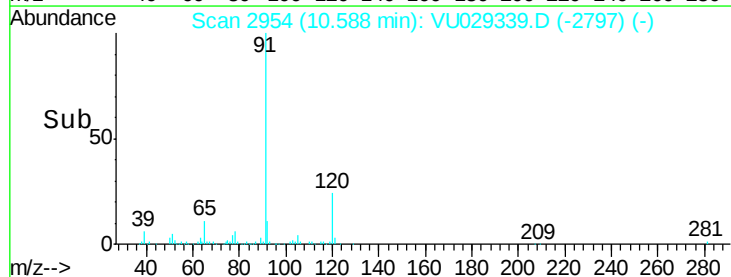
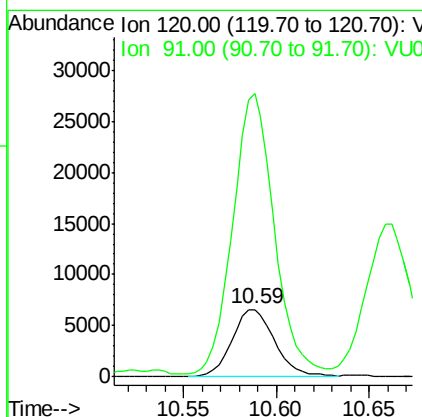
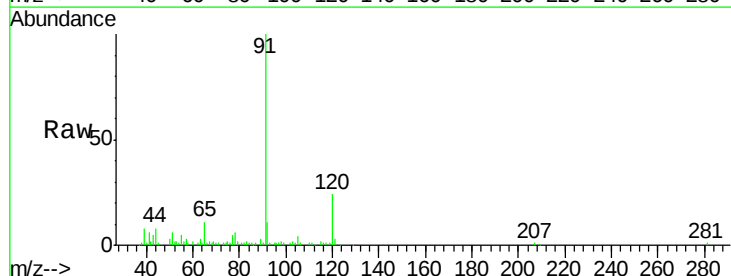
RT: 10.59 min Scan# 2954

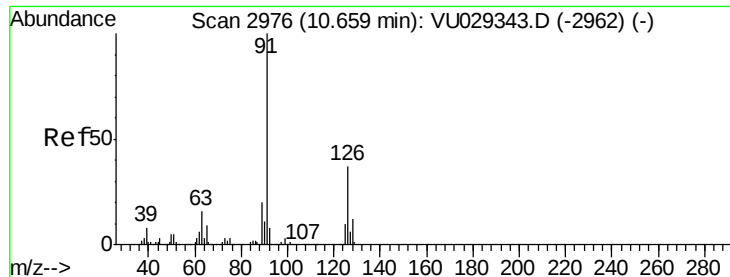
Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
120	100				
91	401.5	370.0	555.0		





#74

2-Chlorotoluene

Concen: 0.548 ug/l

RT: 10.66 min Scan# 2977

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:126 Resp: 9123

Ion Ratio Lower Upper

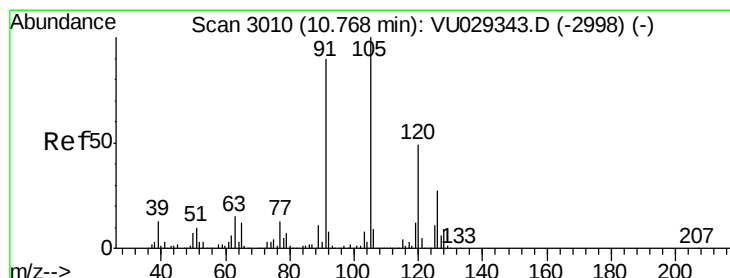
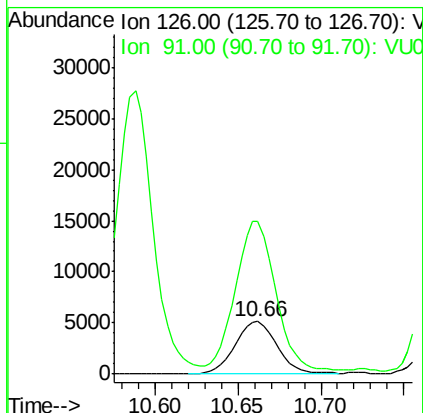
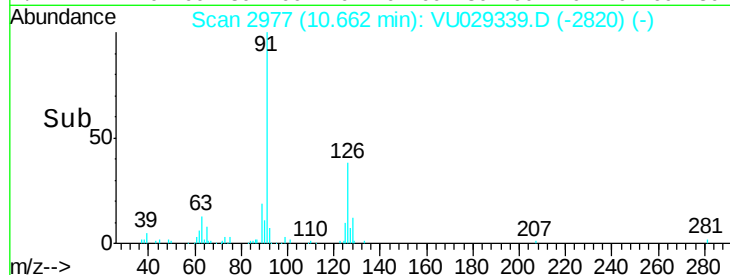
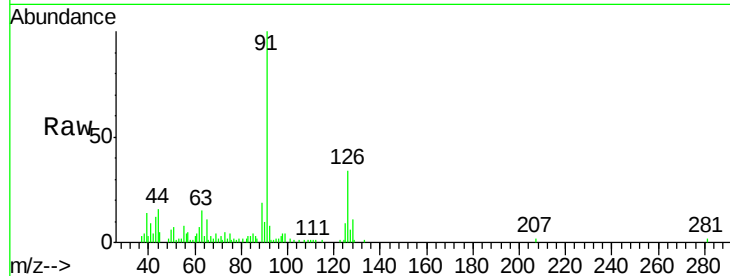
126 100

91 268.8 0.0 643.0

Manual Integrations
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#75

1,3,5-Trimethylbenzene

Concen: 0.529 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029339.D

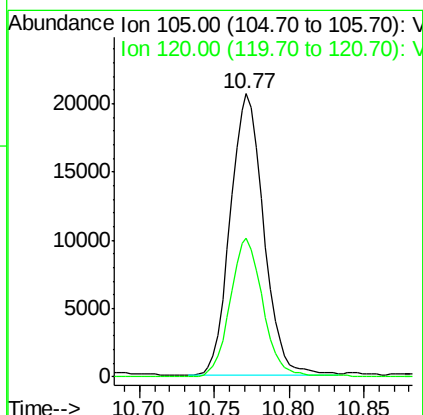
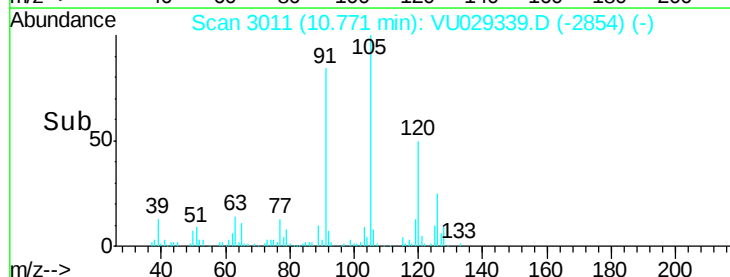
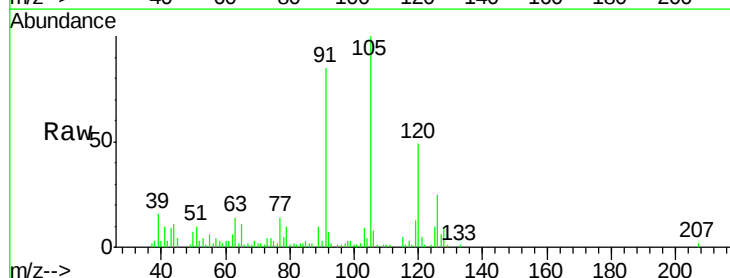
Acq: 05 Feb 2019 10:42

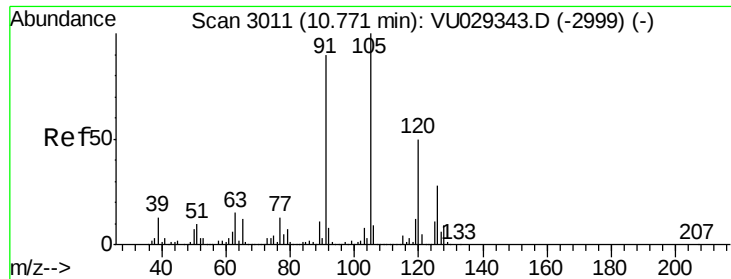
Tgt Ion:105 Resp: 32023

Ion Ratio Lower Upper

105 100

120 48.2 37.3 55.9





#76

4-Chlorotoluene

Concen: 0.532 ug/l

RT: 10.77 min Scan# 3012

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:126 Resp: 9189

Ion Ratio Lower Upper

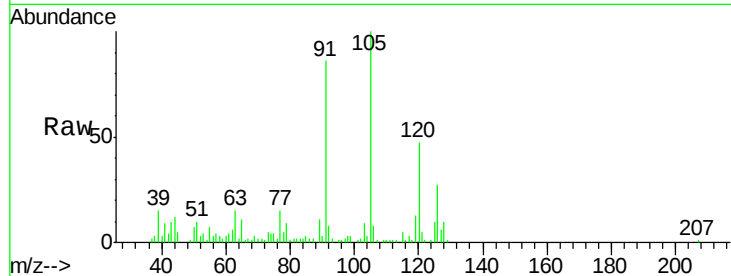
126 100

91 303.7 0.0 727.4

Manual Integrations
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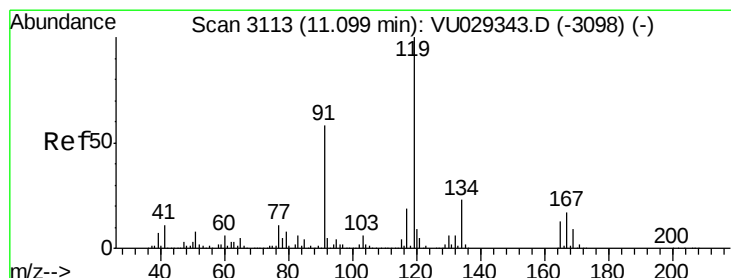
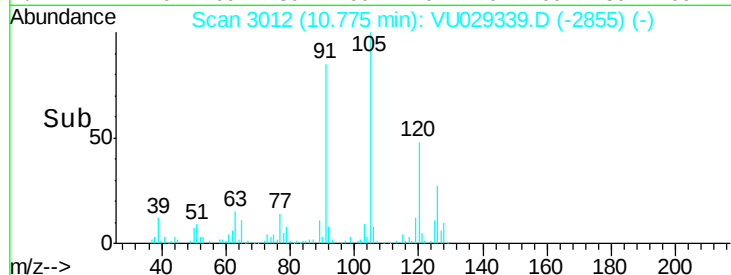
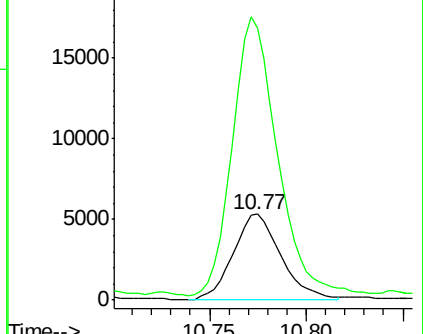
sam

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Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



#77

tert-Butylbenzene

Concen: 0.534 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

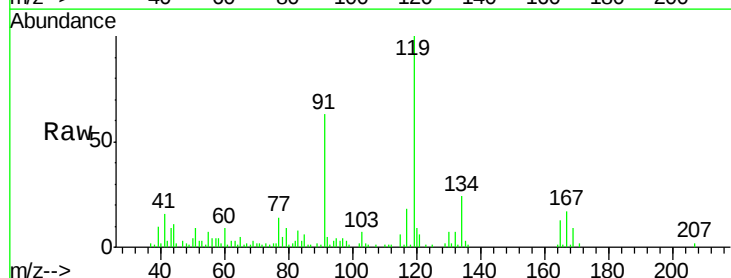
Tgt Ion:119 Resp: 31967

Ion Ratio Lower Upper

119 100

91 58.0 32.2 96.6

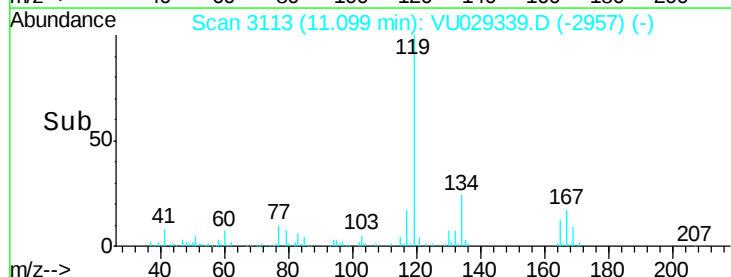
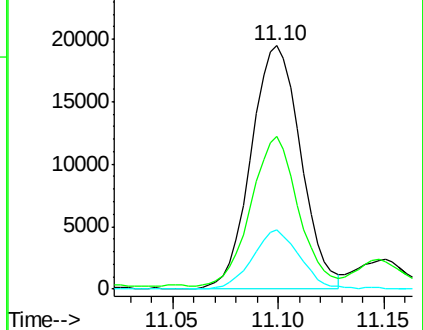
134 22.9 17.6 26.4

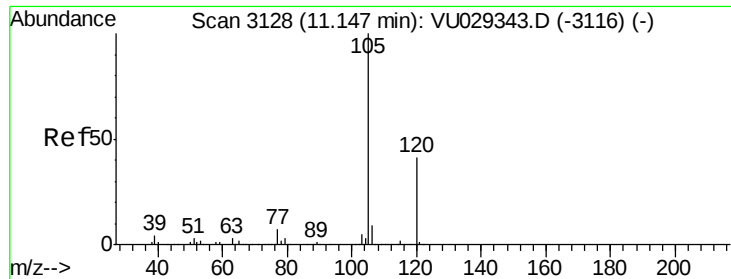


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V





#78

1,2,4-Trimethylbenzene

Concen: 0.502 ug/l

RT: 11.15 min Scan# 3128

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 30780

Ion Ratio Lower Upper

105 100

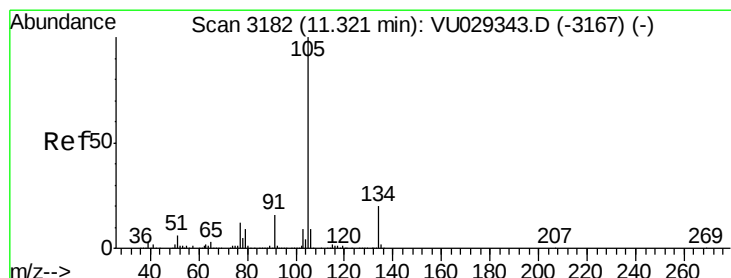
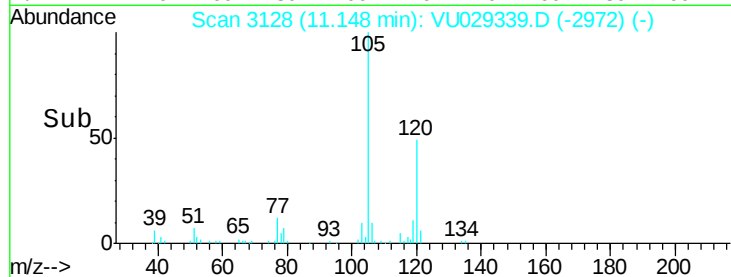
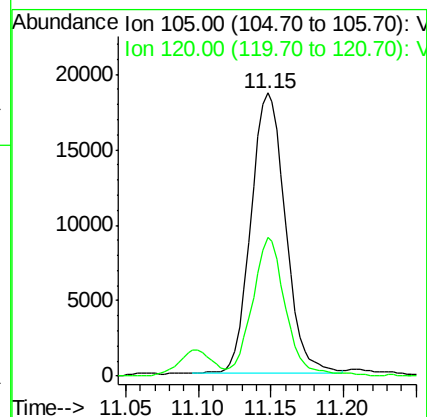
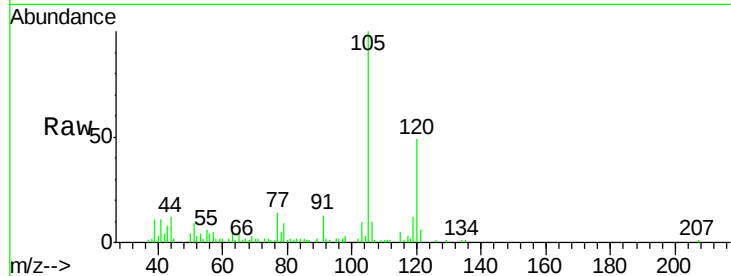
120 48.0 21.4 64.3

Manual Integrations

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#79

sec-Butylbenzene

Concen: 0.509 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU029339.D

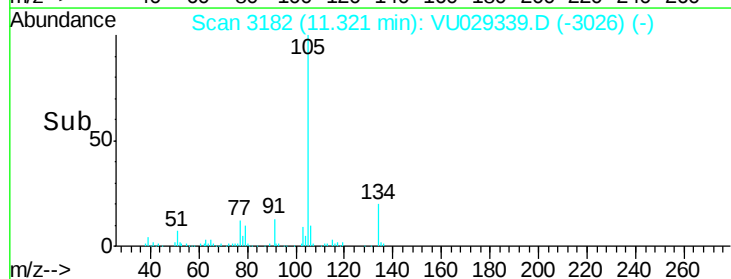
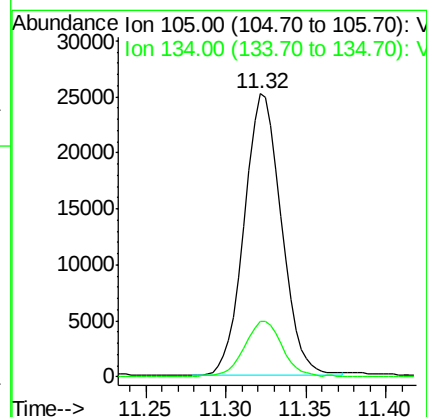
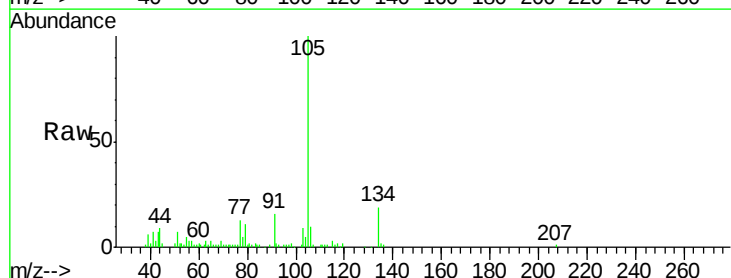
Acq: 05 Feb 2019 10:42

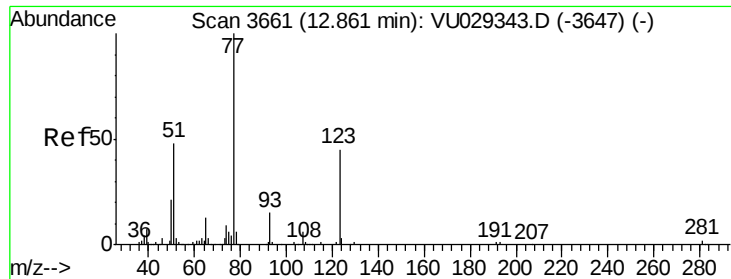
Tgt Ion:105 Resp: 39824

Ion Ratio Lower Upper

105 100

134 20.4 15.0 22.6





#80

Nitrobenzene

Concen: 0.051 ug/l

RT: 12.84 min Scan# 3655

Delta R.T. -0.02 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

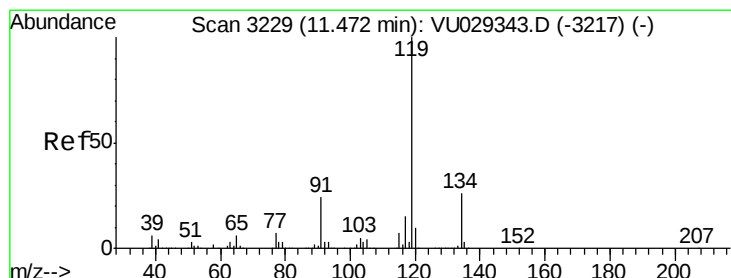
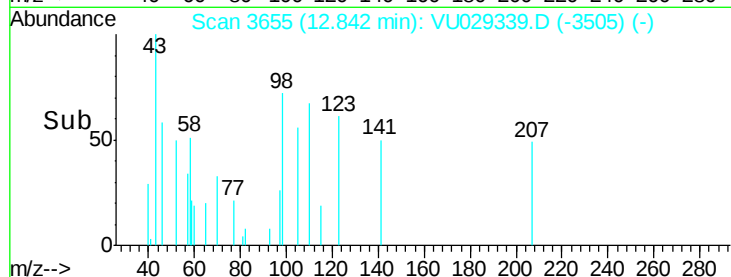
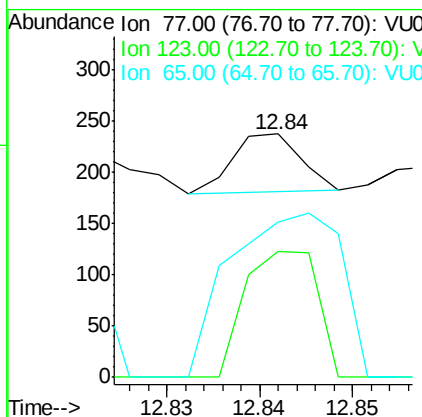
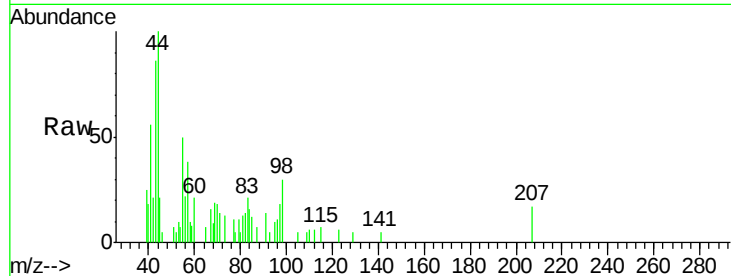
ClientSampleId :

VSTDIC0.5

Tot Ion:	77	Resp:	29
Ion	Ratio	Lower	Upper
77	100		
123	231.0	17.5	61.9#
65	462.1	10.8	13.8#

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#81

p-Isopropyltoluene

Concen: 0.519 ug/l

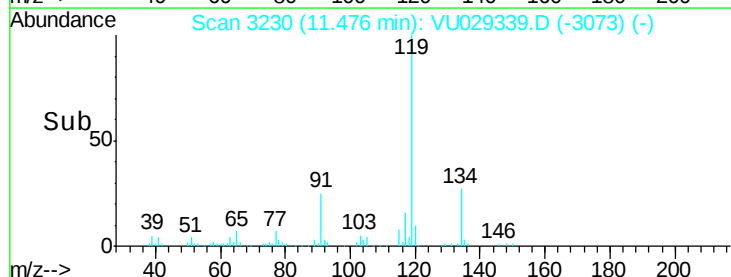
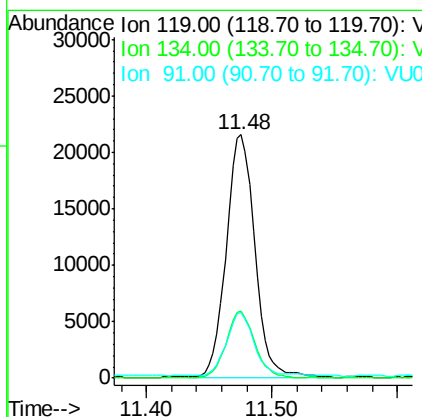
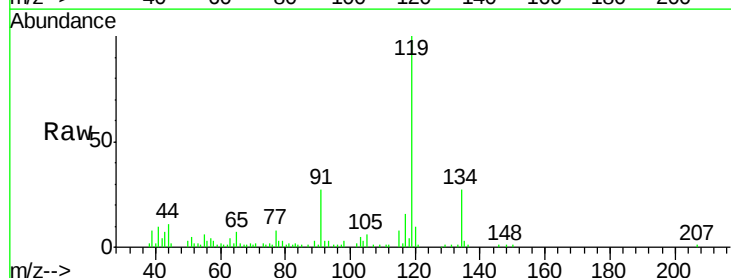
RT: 11.48 min Scan# 3230

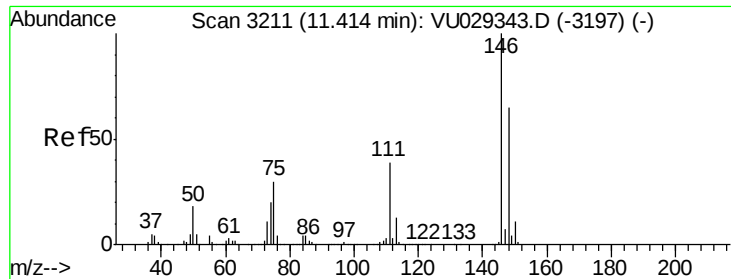
Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Tgt Ion:	119	Resp:	34466
Ion	Ratio	Lower	Upper
119	100		
134	27.2	19.8	29.6
91	24.8	21.5	32.3





#82

1,3-Dichlorobenzene

Concen: 0.518 ug/l

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

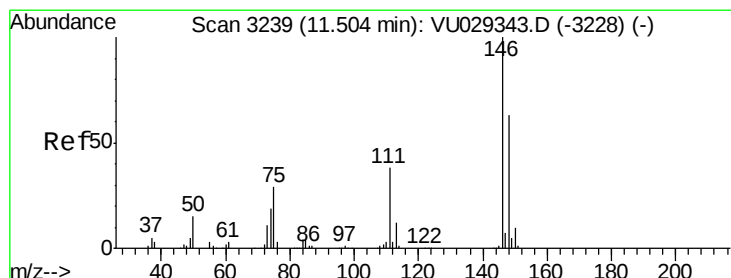
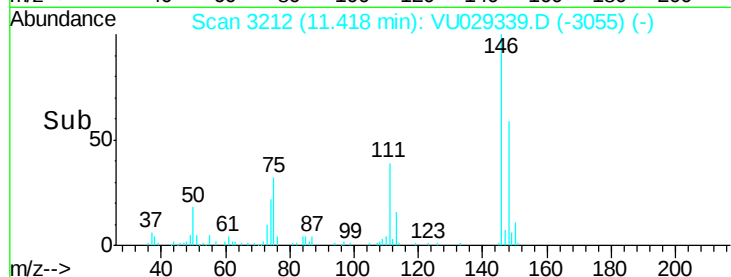
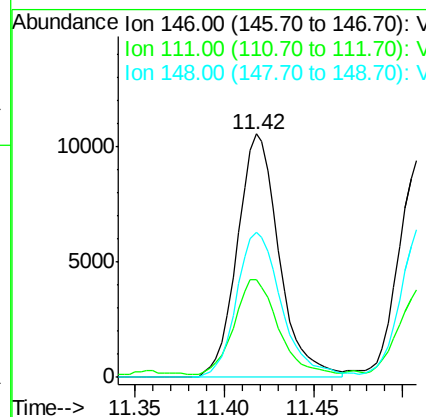
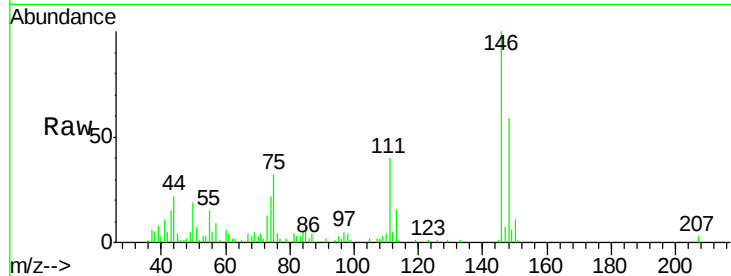
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	17301
Ion Ratio	Lower	Upper	
146	100		
111	40.6	34.1	51.1
148	64.5	52.3	78.5

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#83

1,4-Dichlorobenzene

Concen: 0.514 ug/l

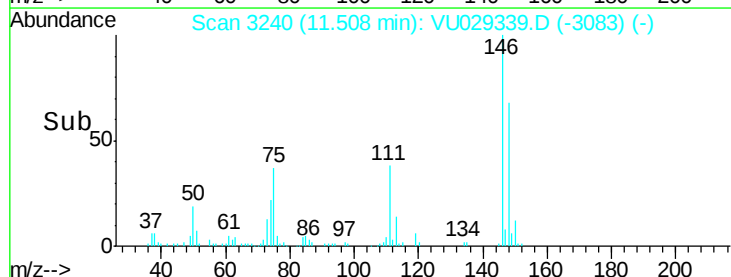
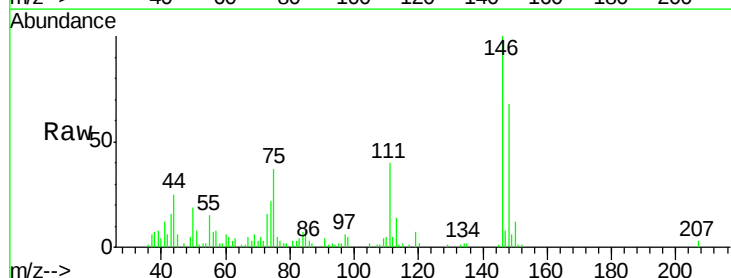
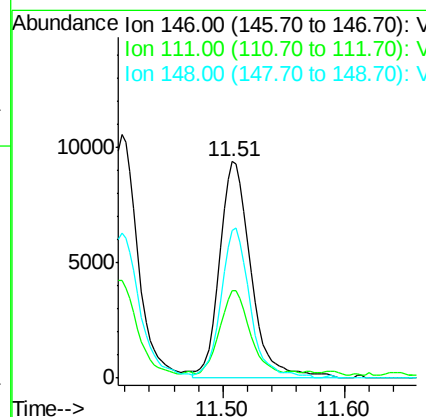
RT: 11.51 min Scan# 3240

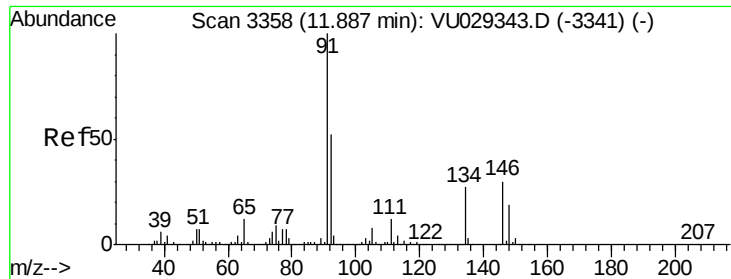
Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Tgt Ion:	146	Resp:	17096
Ion Ratio	Lower	Upper	
146	100		
111	35.7	32.9	49.3
148	64.3	51.8	77.6





#84

n-Butylbenzene

Concen: 0.506 ug/l

RT: 11.89 min Scan# 3359

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

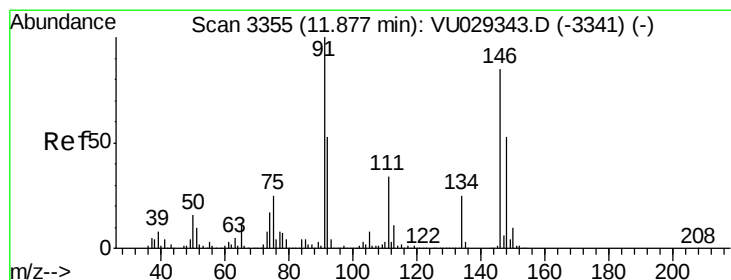
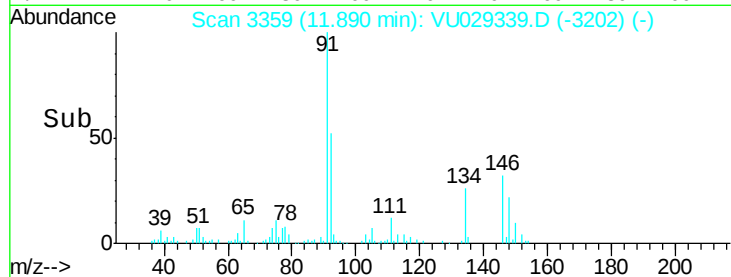
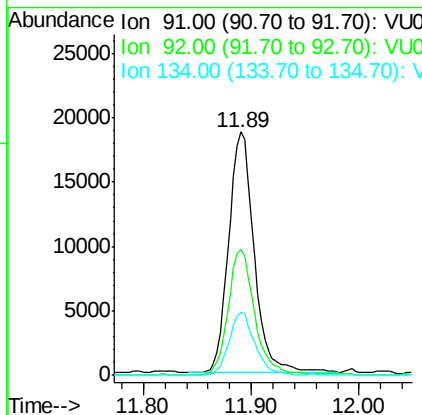
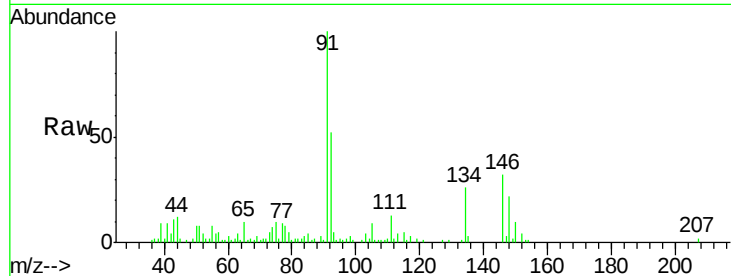
ClientSampleId :

VSTDIC0.5

Tot Ion:	91	Resp:	30813
Ion	Ratio	Lower	Upper
91	100		
92	54.1	41.0	61.6
134	26.2	19.1	28.7

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#85

1,2-Dichlorobenzene

Concen: 0.520 ug/l

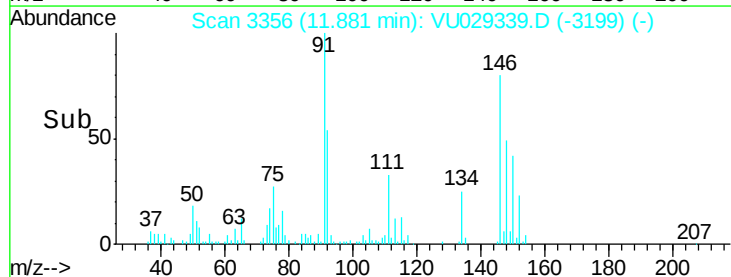
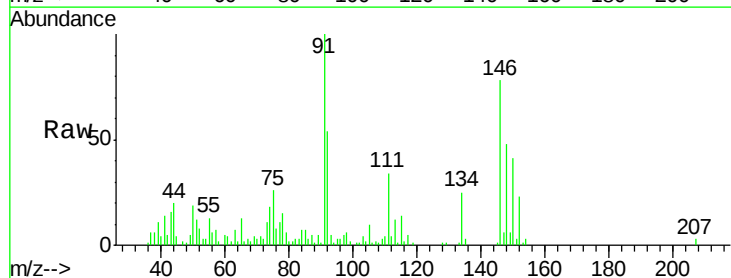
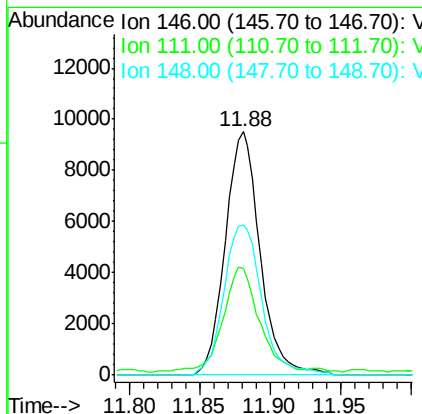
RT: 11.88 min Scan# 3356

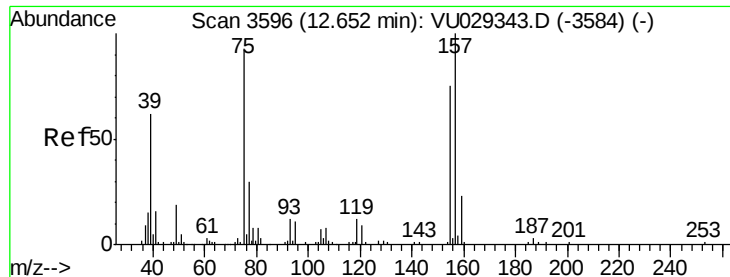
Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Tgt Ion:	146	Resp:	16411
Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.9	65.8
148	67.1	31.8	95.3





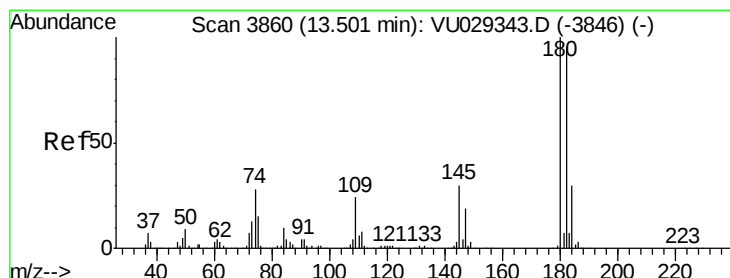
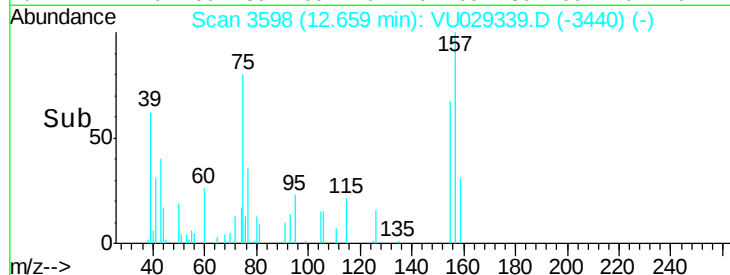
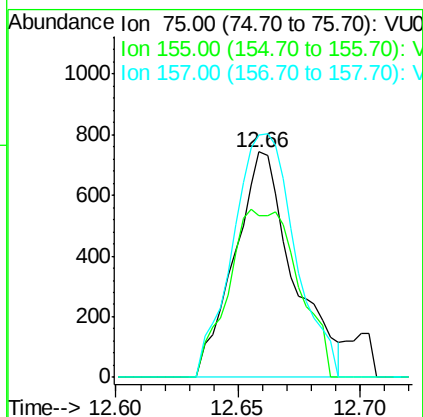
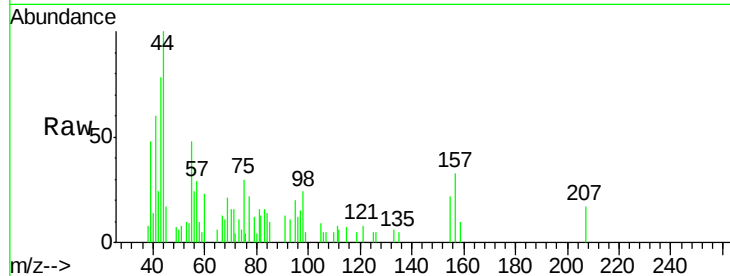
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.514 ug/l
 RT: 12.66 min Scan# 3598
 Delta R.T. 0.01 min
 Lab File: VU029339.D
 Acq: 05 Feb 2019 10:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
155	88.3	53.8	80.8#
157	114.5	69.2	103.8#

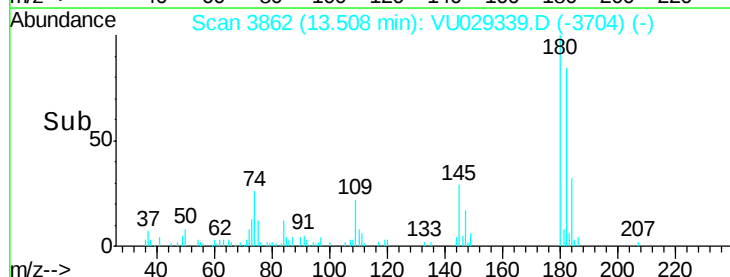
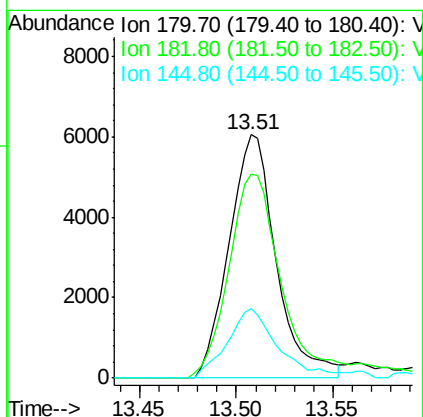
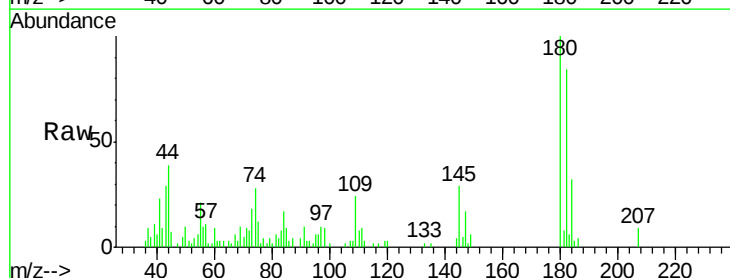
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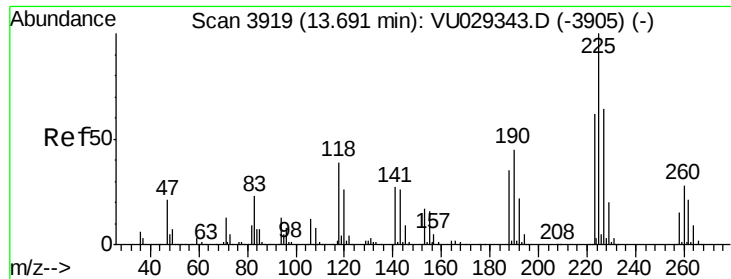
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#87
 1,2,4-Trichlorobenzene
 Concen: 0.463 ug/l
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.01 min
 Lab File: VU029339.D
 Acq: 05 Feb 2019 10:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	76.6	114.8
145	30.6	24.6	36.8





#88

Hexachlorobutadiene

Concen: 0.535 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Instrument :

MSVOA_U

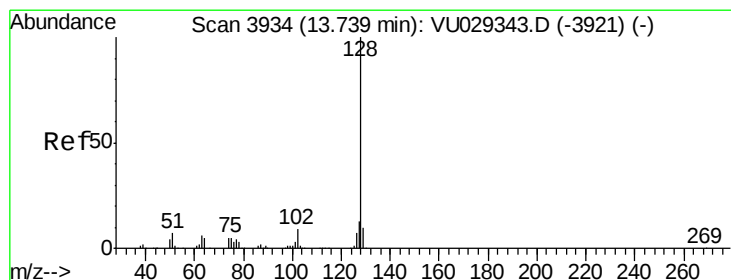
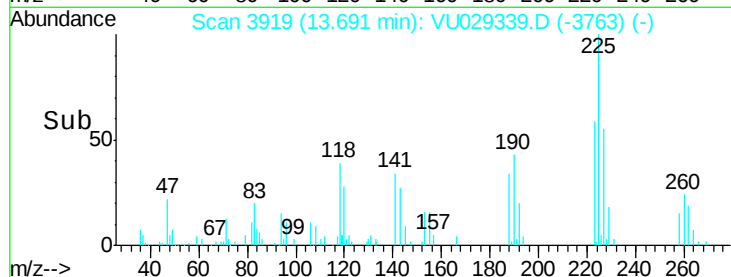
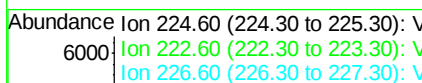
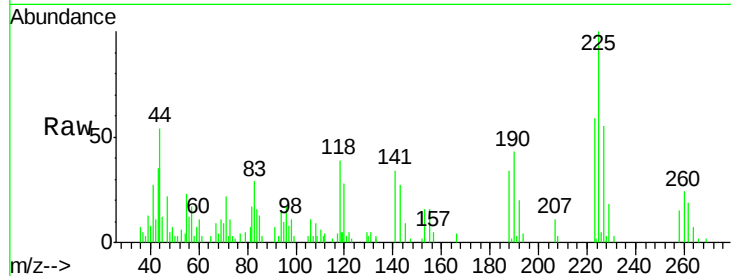
ClientSampleId :

VSTDIC0.5

Tot Ion:	225	Resp:	6870
Ion	Ratio	Lower	Upper
225	100		
223	64.6	49.5	74.3
227	59.7	50.4	75.6

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#89

Naphthalene

Concen: 0.454 ug/l

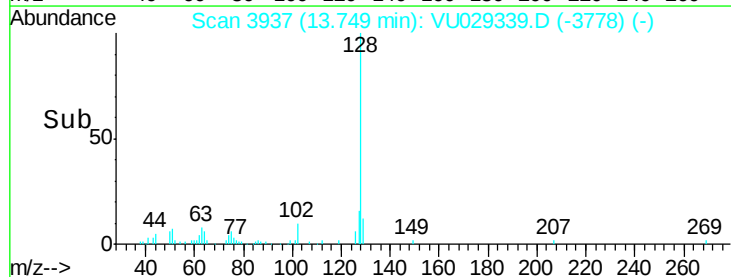
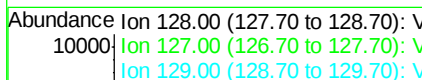
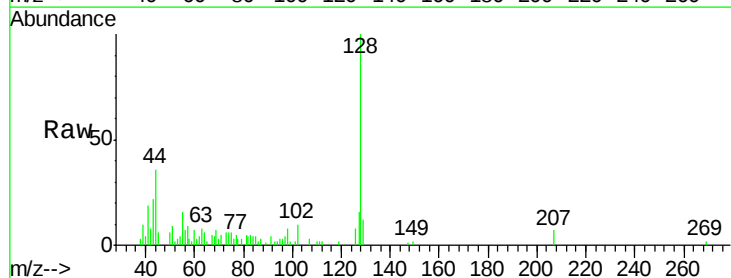
RT: 13.75 min Scan# 3937

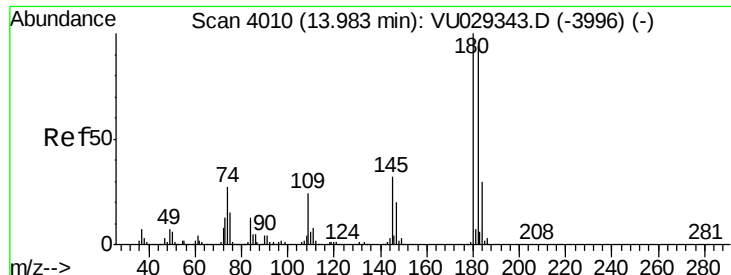
Delta R.T. 0.01 min

Lab File: VU029339.D

Acq: 05 Feb 2019 10:42

Tgt Ion:	128	Resp:	17092
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.7	16.1
129	10.3	8.2	12.4





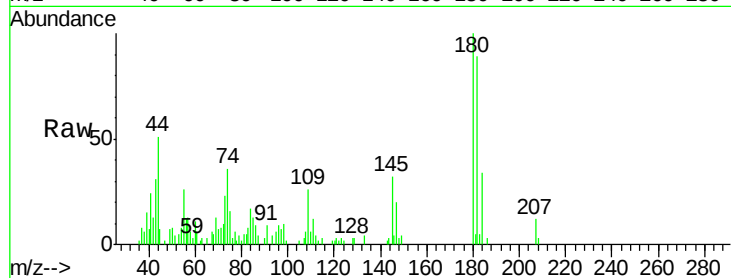
#90
 1,2,3-Trichlorobenzene
 Concen: 0.530 ug/l
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU029339.D
 Acq: 05 Feb 2019 10:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	85.3	78.0	117.0
145	29.7	26.6	39.8

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Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.70 (181.40 to 182.40): V
 Ion 144.80 (144.50 to 145.50): V

