

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020519\
 Data File : VU029346.D
 Acq On : 05 Feb 2019 14:24
 Operator : JC/SP
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

sam
 2/8/2019 2:26:31 PM

Quant Time: Feb 08 10:49:40 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	53469	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	20354	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	20775	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	10762	0.539	ug/l	92
3) Chloromethane	1.33	50	9457	0.519	ug/l	96
4) Vinyl Chloride	1.40	62	10829	0.507	ug/l	98
5) Bromomethane	1.63	94	7833	0.659	ug/l	91
6) Chloroethane	1.70	64	6710	0.537	ug/l	98
7) Trichlorofluoromethane	1.88	101	14878	0.498	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	8093	0.513	ug/l	91
9) 1,1-Dichloroethene	2.28	96	7914	0.513	ug/l	69
10) Iodomethane	2.41	142	5636m	0.285	ug/l	
11) Allyl Chloride	2.59	41	13307	0.514	ug/l	95
12) Acrylonitrile	2.94	53	3713	1.074	ug/l	91
13) Acetone	2.32	43	9165m	2.764	ug/l	
14) Carbon Disulfide	2.47	76	28542	0.524	ug/l	99
15) Methylene Chloride	2.70	84	11977	0.640	ug/l #	78
16) trans-1,2-Dichloroethene	2.98	96	8950	0.519	ug/l #	81
17) 1,1-Dichloroethane	3.44	63	12420	0.454	ug/l #	93
18) 2-Butanone	4.29	43	7821	2.100	ug/l	89
19) Cyclohexane	4.99	56	14192m	0.589	ug/l	
20) Methylcyclohexane	6.41	83	12758	0.479	ug/l	88
21) 2,2-Dichloropropane	4.22	77	12880	0.509	ug/l #	91
22) cis-1,2-Dichloroethene	4.22	96	7772	0.478	ug/l	87
23) Diethyl Ether	2.10	59	6531	0.527	ug/l #	88
24) tert-Butyl Alcohol	2.84	59	7727	6.003	ug/l #	94
25) Methyl tert-Butyl Ether	3.00	73	21554	0.496	ug/l #	84
26) Bromochloromethane	4.55	128	3573	0.498	ug/l	73
27) Chloroform	4.67	83	13061	0.491	ug/l	94
28) 1,1,1-Trichloroethane	4.91	97	11852	0.481	ug/l	91
29) 1,1-Dichloropropene	5.13	75	10880	0.509	ug/l	99
30) Carbon Tetrachloride	5.13	117	10650	0.477	ug/l	96
31) Isopropyl Ether	3.58	45	19469	0.472	ug/l	97
32) Ethyl-t-butyl ether	4.07	59	20488	0.496	ug/l	92
33) Tert-Amyl methyl ether	5.58	73	17739	0.475	ug/l	97
35) Benzene	5.39	78	29179	0.493	ug/l	94
36) 1,2-Dichloroethane	5.41	62	8650	0.484	ug/l #	84
37) Trichloroethene	6.19	130	8257	0.486	ug/l	82
38) 1,2-Dichloropropane	6.43	63	7669	0.498	ug/l	92
41) Tetrahydrofuran	4.66	42	2346	0.895	ug/l #	70
42) 1-Chlorobutane	5.06	56	14066	0.491	ug/l	89
43) Dibromomethane	6.56	93	4524	0.552	ug/l	92
44) Bromodichloromethane	6.76	83	9994	0.478	ug/l	88
45) 4-Methyl-2-Pentanone	7.47	43	21949	2.284	ug/l #	92

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Manual Integrations
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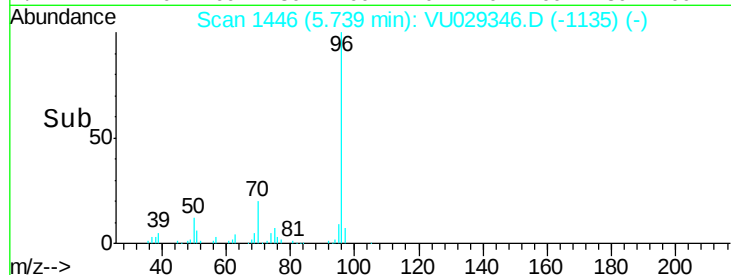
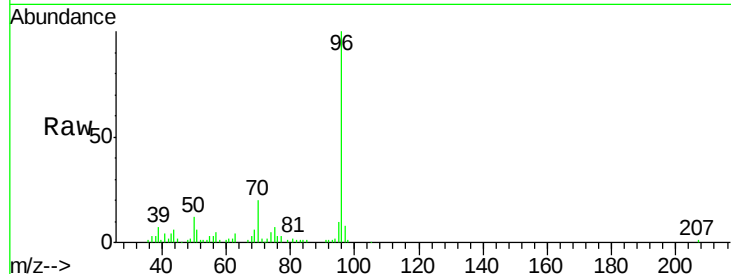
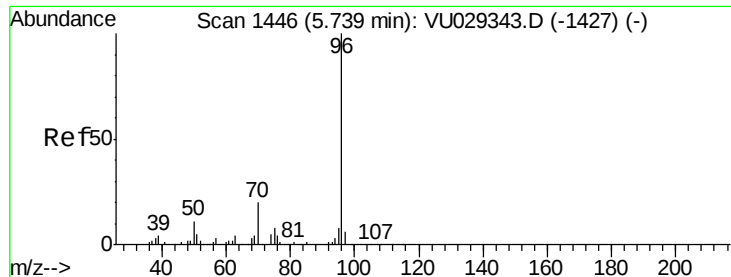
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Quant Time: Feb 08 10:49:40 2019
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

46) t-1,4-Dichloro-2-butene	10.52	75	4433m	0.950	ug/l	
47) Methyl methacrylate	6.63	69	6459	0.895	ug/l #	82
48) Ethyl methacrylate	8.03	69	7049	0.455	ug/l	77
49) Toluene	7.64	92	18560	0.490	ug/l	94
50) t-1,3-Dichloropropene	7.89	75	9562	0.467	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	11817	0.486	ug/l #	87
52) 1,1,2-Trichloroethane	8.07	97	5446	0.502	ug/l	96
53) 1,3-Dichloropropane	8.25	76	9082	0.476	ug/l	93
54) 2-Hexanone	8.37	43	14797	2.196	ug/l	85
55) Dibromochloromethane	8.48	129	7392	0.479	ug/l	98
56) 1,2-Dibromoethane	8.59	107	5749	0.516	ug/l	93
58) Tetrachloroethene	8.22	164	7720	0.489	ug/l	92
59) Chlorobenzene	9.12	112	20882	0.490	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	7508	0.477	ug/l	95
61) Pentachloroethane	11.10	117	5791	0.474	ug/l	92
62) Hexachloroethane	12.14	117	6121	0.459	ug/l	97
63) Ethyl Benzene	9.25	91	35859	0.484	ug/l	99
64) m/p-Xylenes	9.38	106	26920	0.936	ug/l	90
65) o-Xylene	9.78	106	13699	0.485	ug/l	87
66) Styrene	9.79	104	22722	0.483	ug/l	95
67) Bromoform	9.96	173	4592	0.478	ug/l	94
69) Isopropylbenzene	10.17	105	34256	0.454	ug/l	94
70) 1,1,2,2-Tetrachloroethane	10.46	83	6646	0.478	ug/l #	94
71) 1,2,3-Trichloropropane	10.49	75	4376m	0.449	ug/l	
72) Bromobenzene	10.45	156	8770	0.479	ug/l	89
73) n-propylbenzene	10.59	120	9477	0.451	ug/l	94
74) 2-Chlorotoluene	10.66	126	8480	0.474	ug/l	87
75) 1,3,5-Trimethylbenzene	10.77	105	30743	0.473	ug/l	97
76) 4-Chlorotoluene	10.77	126	9349	0.503	ug/l	72
77) tert-Butylbenzene	11.10	119	30139	0.469	ug/l	91
78) 1,2,4-Trimethylbenzene	11.15	105	30912	0.469	ug/l	93
79) sec-Butylbenzene	11.32	105	38573	0.458	ug/l	94
81) p-Isopropyltoluene	11.48	119	33436	0.469	ug/l	94
82) 1,3-Dichlorobenzene	11.42	146	17085	0.476	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	17505	0.490	ug/l	94
84) n-Butylbenzene	11.89	91	30216	0.462	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	16575	0.488	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1238	0.477	ug/l	89
87) 1,2,4-Trichlorobenzene	13.50	180	10504	0.441	ug/l	99
88) Hexachlorobutadiene	13.69	225	6740	0.488	ug/l	99
89) Naphthalene	13.75	128	16069	0.398	ug/l #	96
90) 1,2,3-Trichlorobenzene	13.99	180	10426	0.479	ug/l	94

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU029346.D

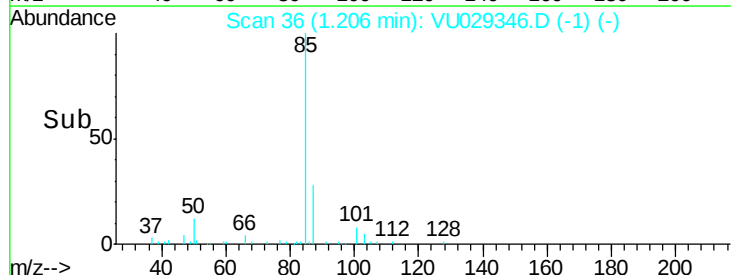
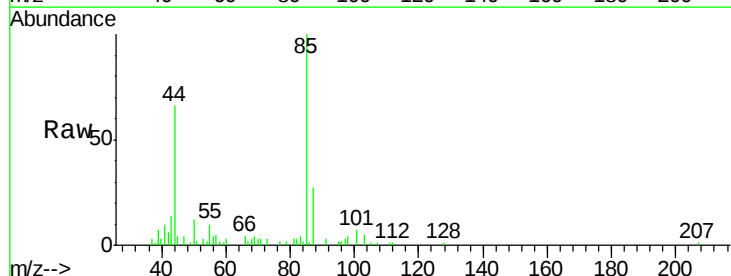
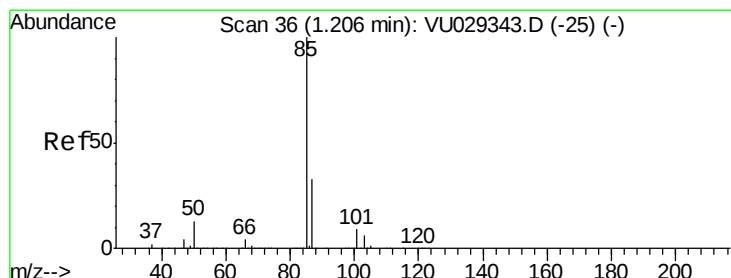
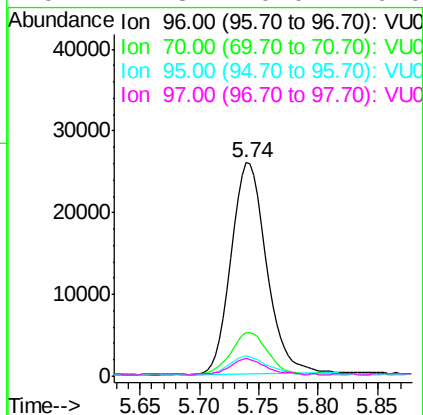
Acq: 05 Feb 2019 14:24

Tot Ion:	96	Resp:	53469
Ion	Ratio	Lower	Upper
96	100		
70	20.1	16.2	24.2
95	9.1	7.4	11.2
97	7.3	0.0	0.0#

Instrument :
MSVOA_U
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VSTDIC0.5

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.539 ug/l

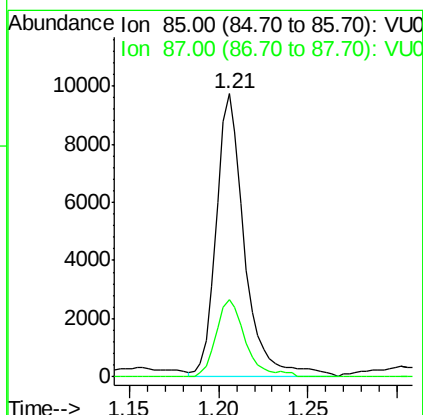
RT: 1.21 min Scan# 36

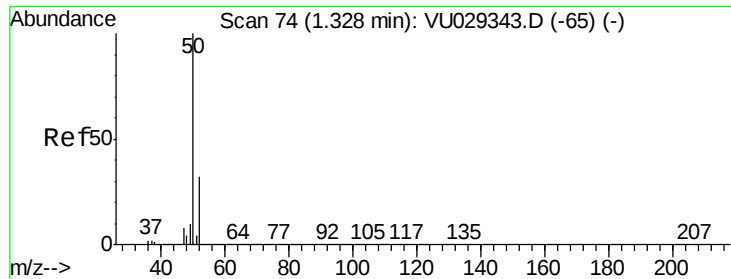
Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Tgt Ion:	85	Resp:	10762
Ion	Ratio	Lower	Upper
85	100		
87	27.4	15.9	47.6





#3

Chloromethane

Concen: 0.519 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 50 Resp: 9457

Ion Ratio Lower Upper

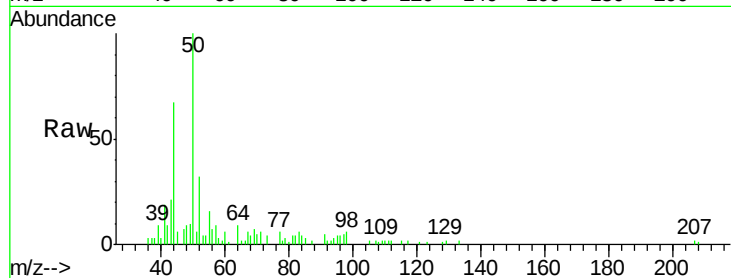
50 100

52 31.6 27.3 40.9

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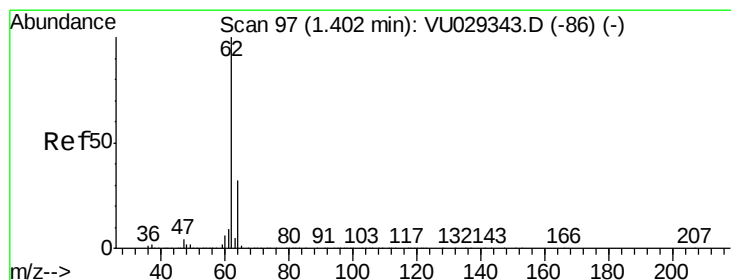
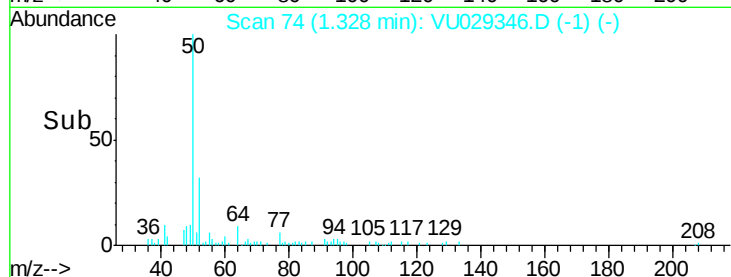
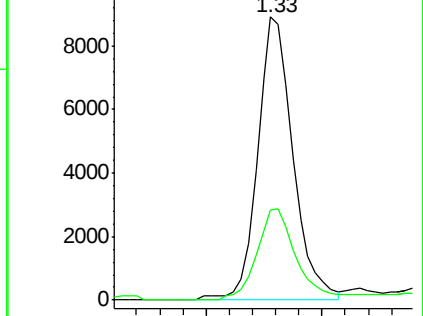
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 0.507 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029346.D

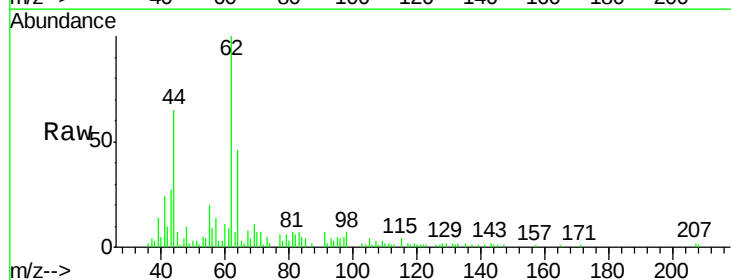
Acq: 05 Feb 2019 14:24

Tgt Ion: 62 Resp: 10829

Ion Ratio Lower Upper

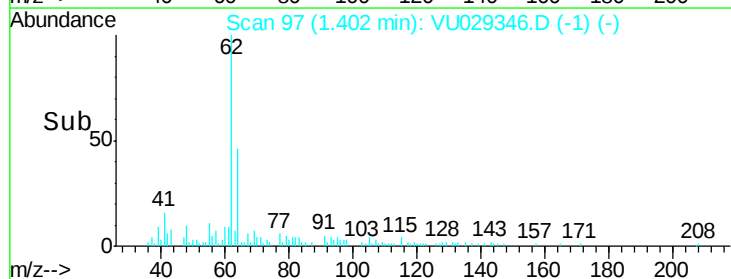
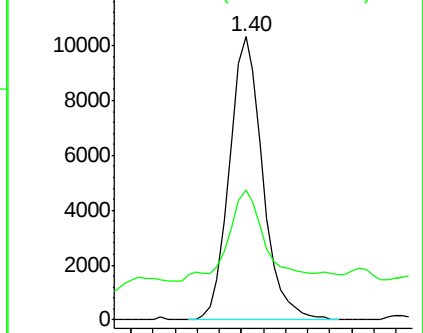
62 100

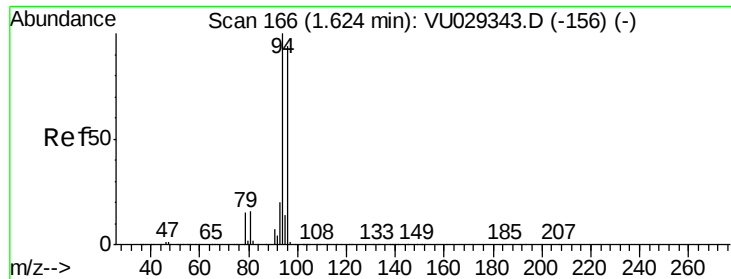
64 30.2 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 0.659 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Tot Ion: 94 Resp: 7833

Ion Ratio Lower Upper

94 100

96 98.4 71.7 107.5

Instrument :

MSVOA_U

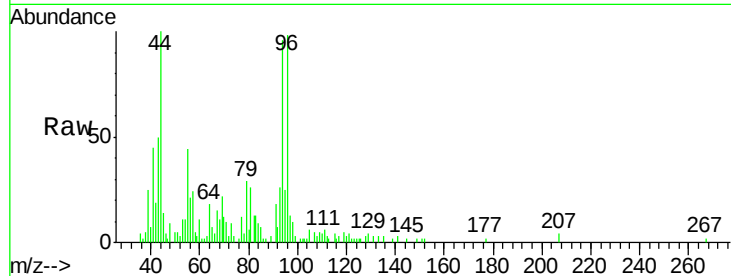
ClientSampleId :

VSTDIC0.5

Manual Integrations
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

6000

4000

2000

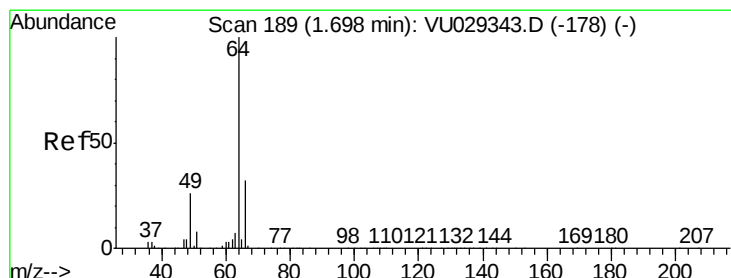
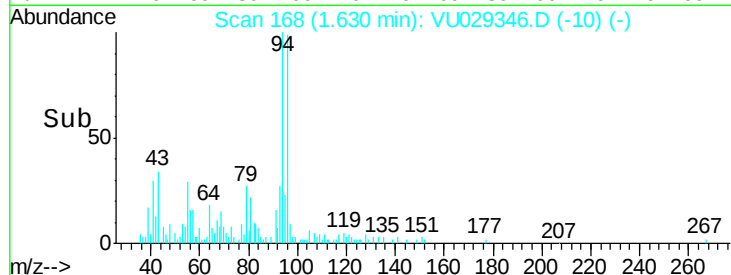
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 0.537 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029346.D

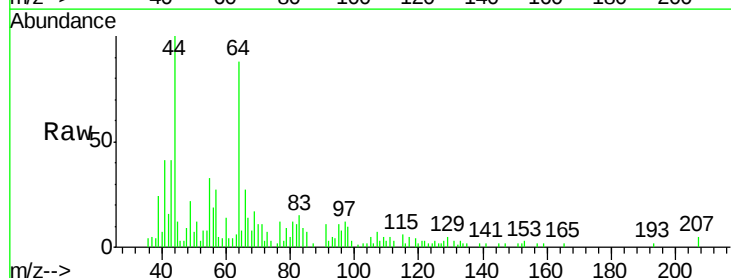
Acq: 05 Feb 2019 14:24

Tgt Ion: 64 Resp: 6710

Ion Ratio Lower Upper

64 100

66 31.7 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.70

6000

4000

2000

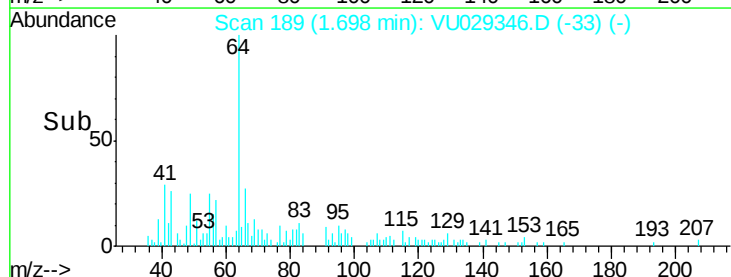
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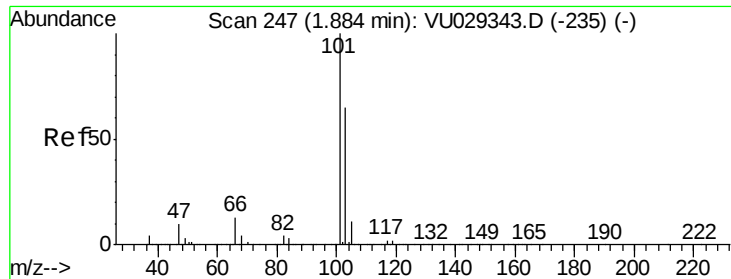
1.65

1.70

1.75

Time-->





#7

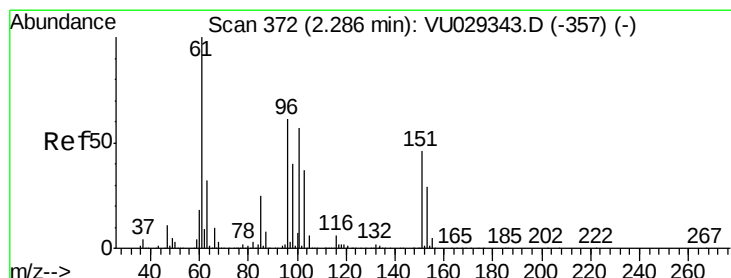
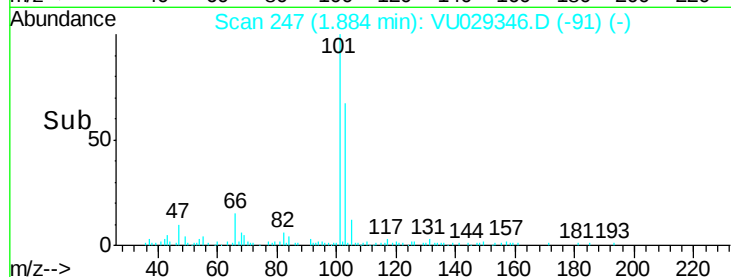
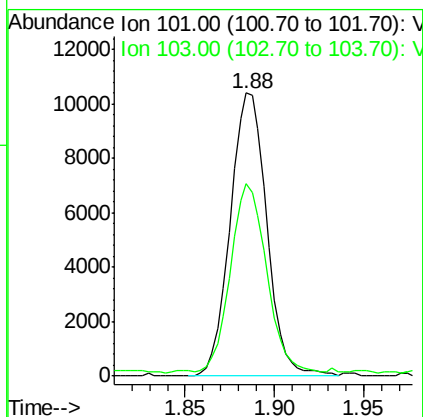
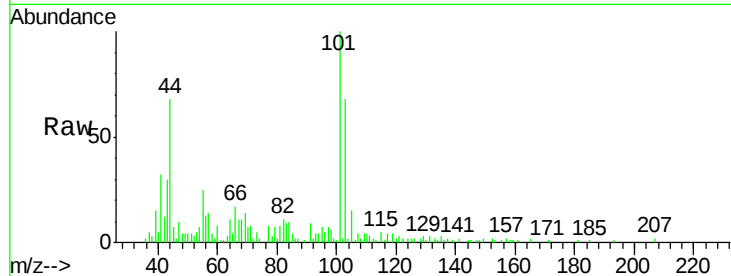
Trichlorofluoromethane
Concen: 0.498 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	53.9	80.9

Manual Integrations
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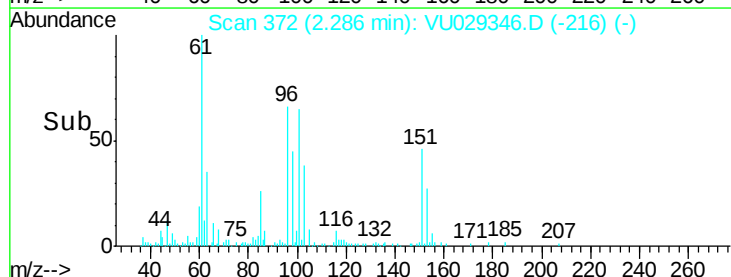
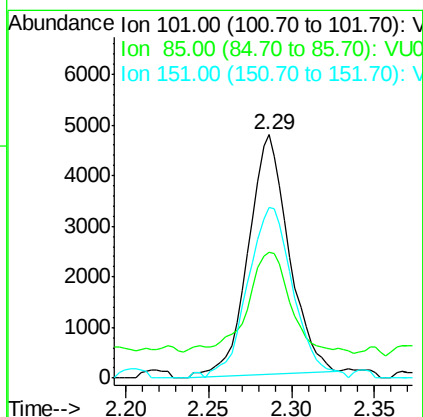
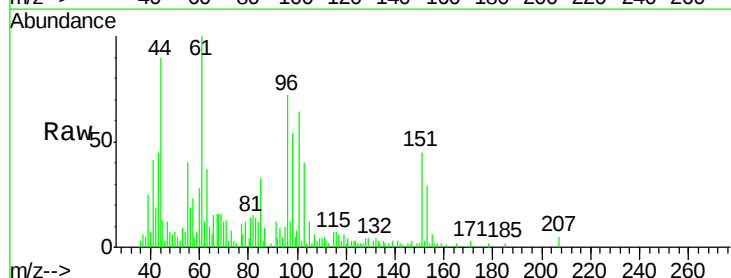
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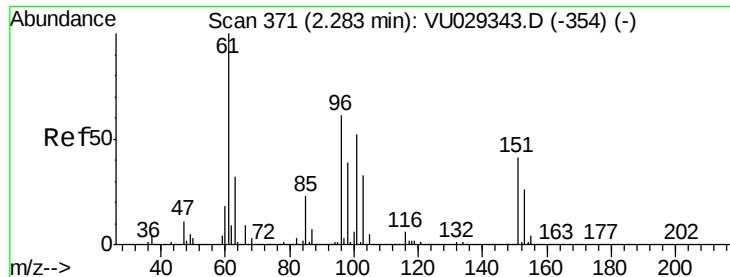


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.513 ug/l
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Tgt Ion	Ratio	Lower	Upper
101	100		
85	44.0	40.3	60.5
151	79.9	58.1	87.1





#9

1,1-Dichloroethene

Concen: 0.513 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Instrument :

MSVOA_U

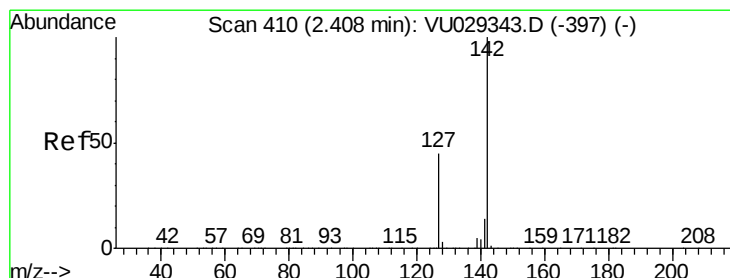
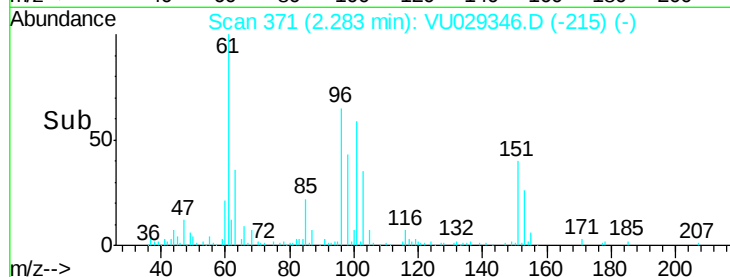
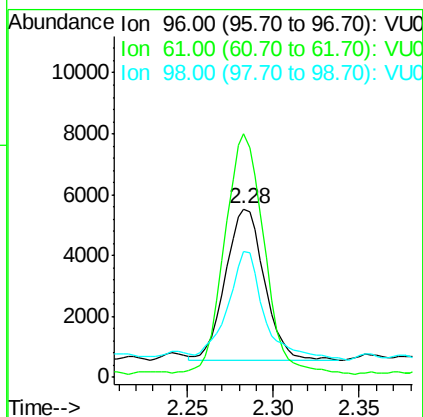
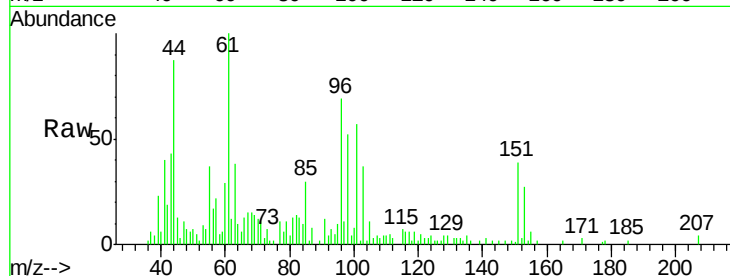
ClientSampleId :

VSTDIC0.5

Tot Ion:	96	Resp:	7914
Ion	Ratio	Lower	Upper
96	100		
61	156.7	0.0	641.4
98	69.8	0.0	122.6

Manual Integrations
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#10

Iodomethane

Concen: 0.285 ug/l m

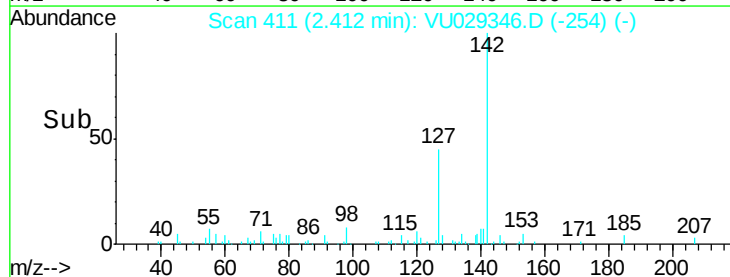
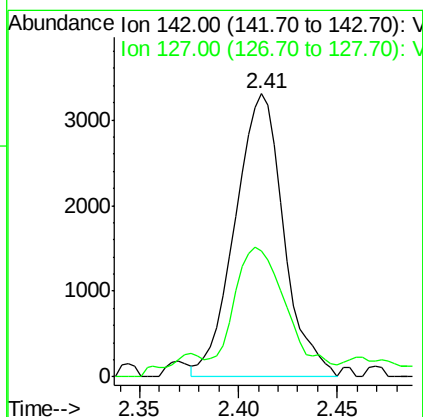
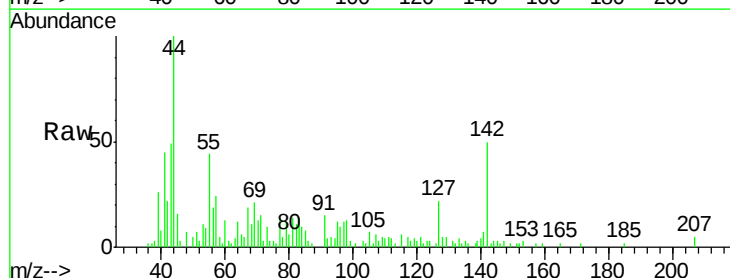
RT: 2.41 min Scan# 411

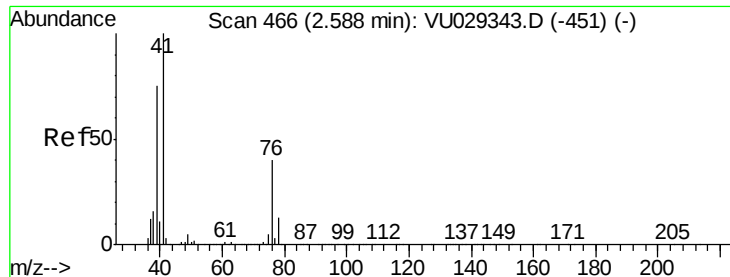
Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Tgt Ion:	142	Resp:	5636
Ion	Ratio	Lower	Upper
142	100		
127	2.2	47.6	71.4#





#11

Allvl Chloride

Concen: 0.514 ug/l

RT: 2.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 13307

Ion Ratio Lower Upper

41 100

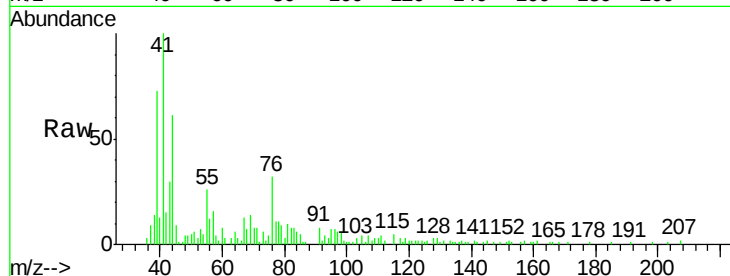
39 79.9 67.2 100.8

Manual Integrations

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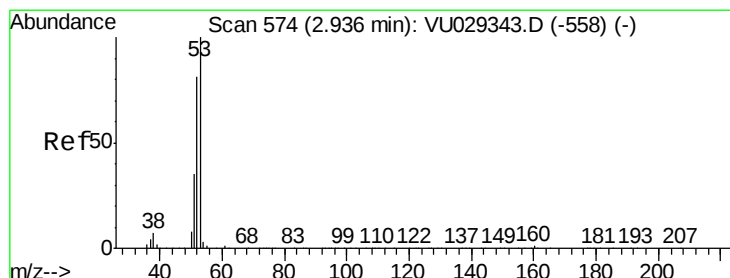
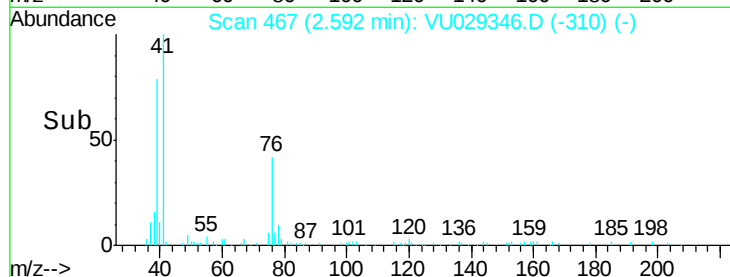
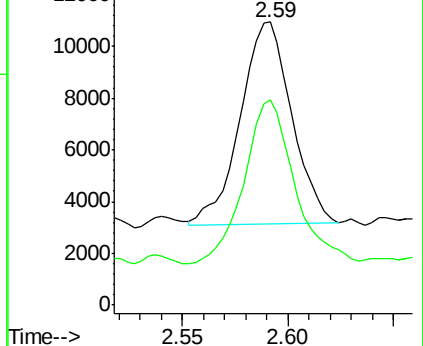
sam

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Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



#12

Acrylonitrile

Concen: 1.074 ug/l

RT: 2.94 min Scan# 574

Delta R.T. -0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

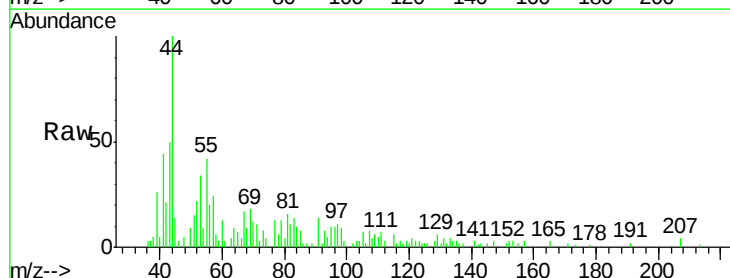
Tgt Ion: 53 Resp: 3713

Ion Ratio Lower Upper

53 100

52 75.7 67.6 101.4

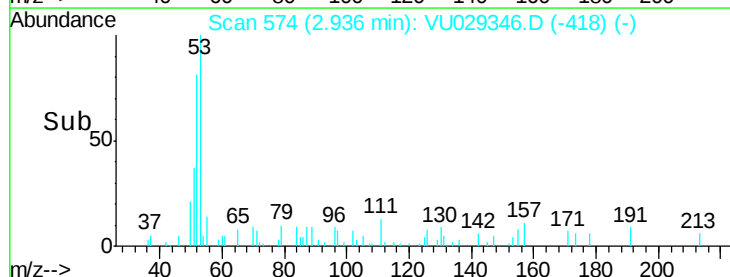
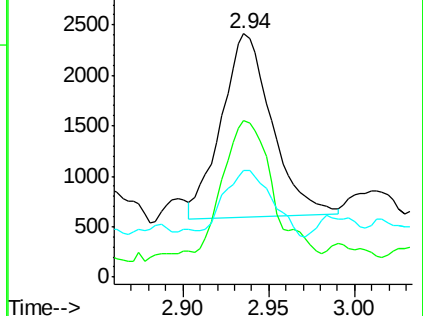
51 35.1 31.0 46.4

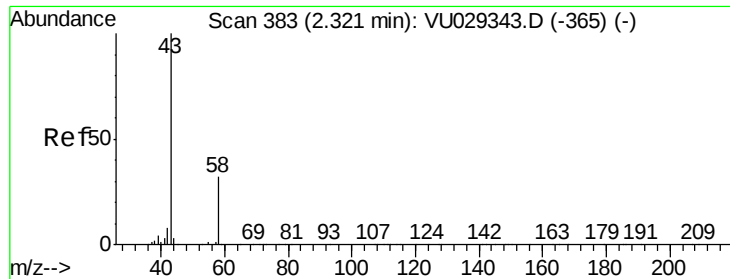


Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0





#13

Acetone

Concen: 2.764 ug/l m

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Tot Ion: 43 Resp: 9165

Ion Ratio Lower Upper

43 100

58 26.1 19.2 28.8

Instrument :

MSVOA_U

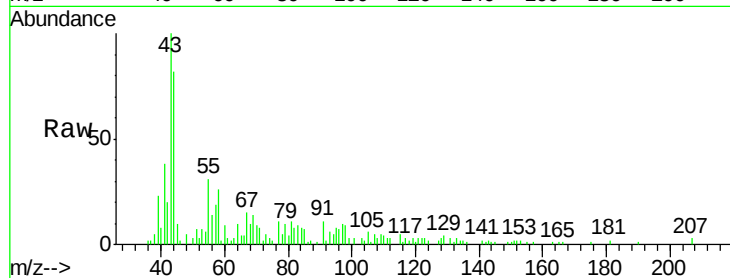
ClientSampleId :

VSTDIC0.5

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

8000

6000

4000

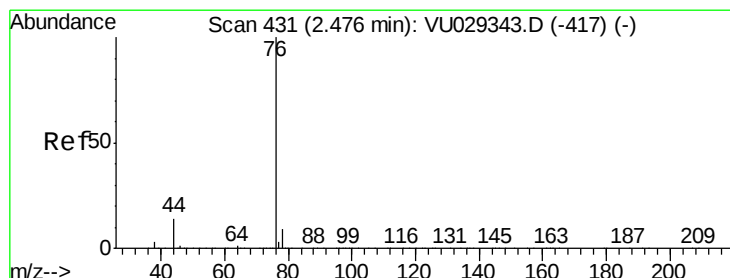
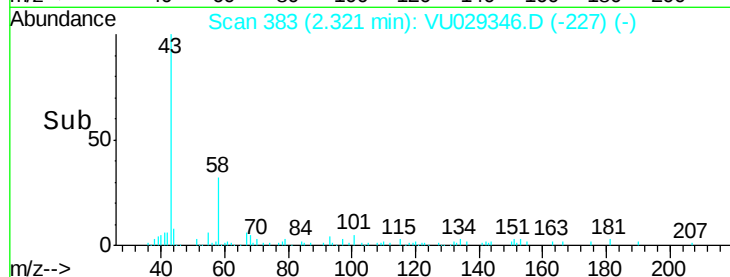
2000

0

Time-->

2.30

2.35



#14

Carbon Disulfide

Concen: 0.524 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029346.D

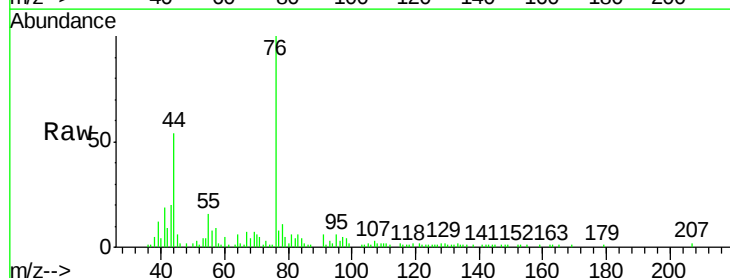
Acq: 05 Feb 2019 14:24

Tgt Ion: 76 Resp: 28542

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

20000

15000

10000

5000

0

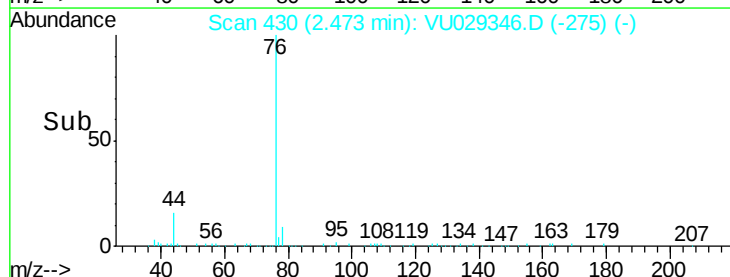
Time-->

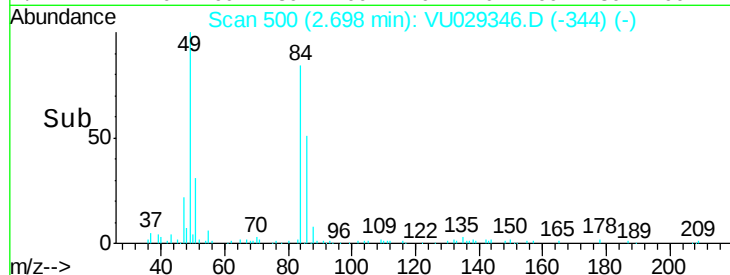
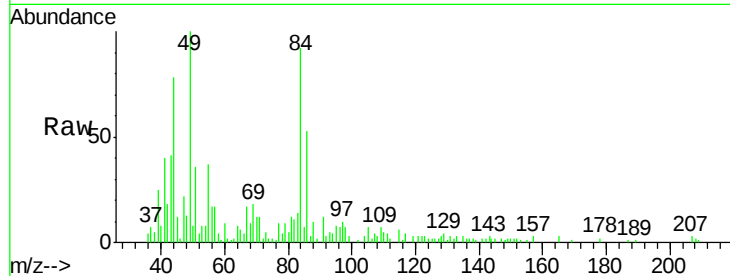
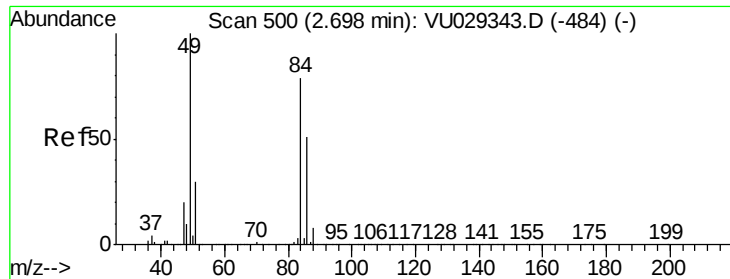
2.40

2.45

2.50

2.55





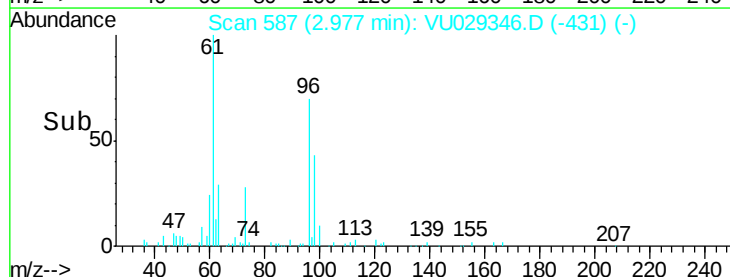
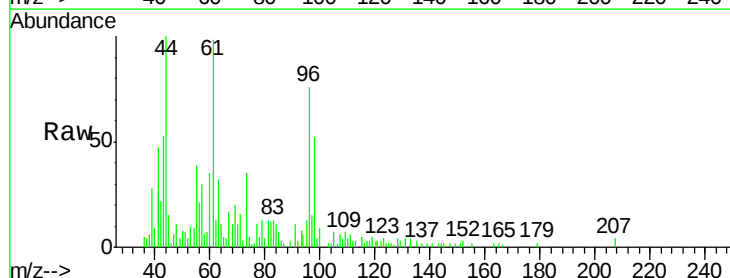
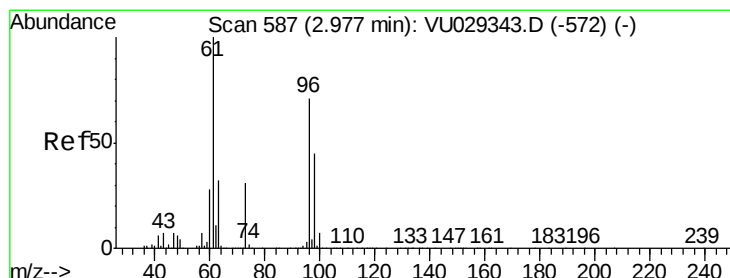
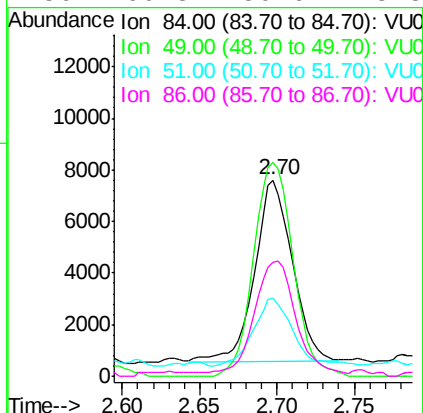
#15
Methylene Chloride
Concen: 0.640 ug/l
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Tot Ion	Ratio	Lower	Upper
84	100		
49	118.0	127.0	190.6#
51	36.0	0.0	93.4
86	60.8	50.6	75.8

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

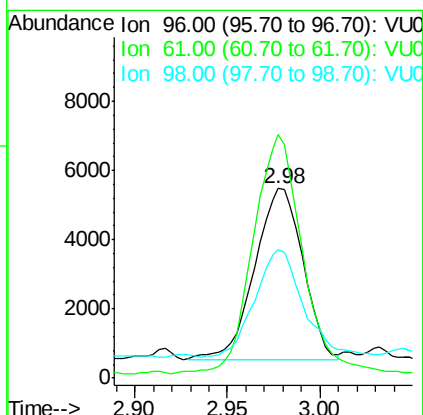
Manual Integrations
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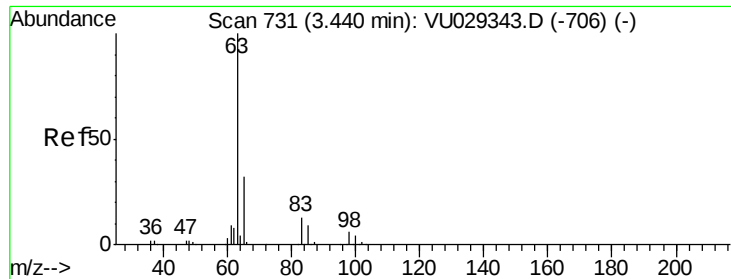
sam
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#16
trans-1,2-Dichloroethene
Concen: 0.519 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.2	140.6	210.8#
98	61.5	49.3	73.9





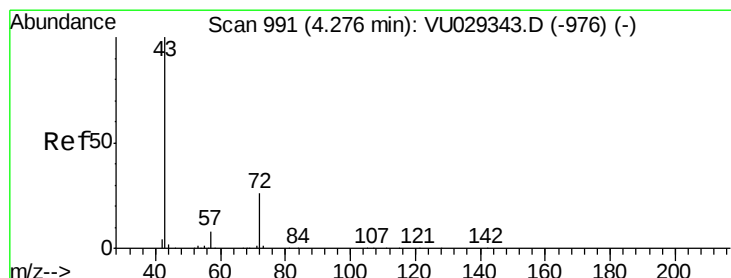
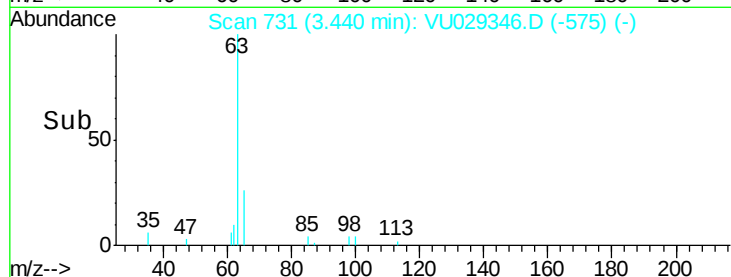
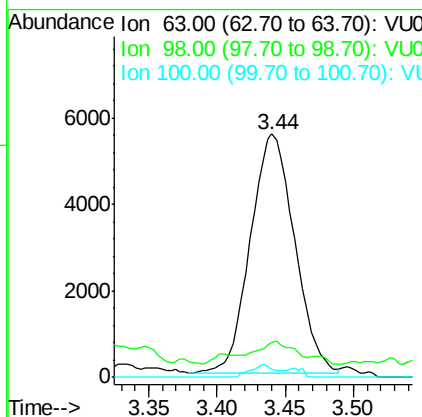
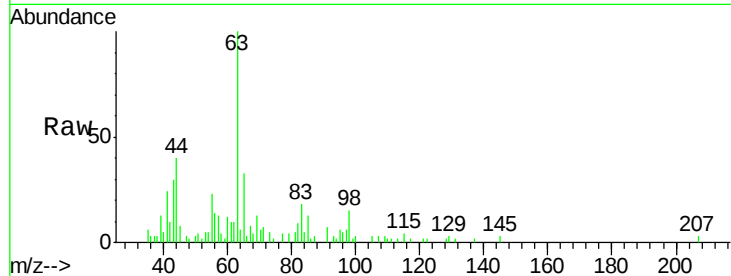
#17
 1,1-Dichloroethane
 Concen: 0.454 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	9.6	2.9	8.8#
100	3.5	1.7	5.1

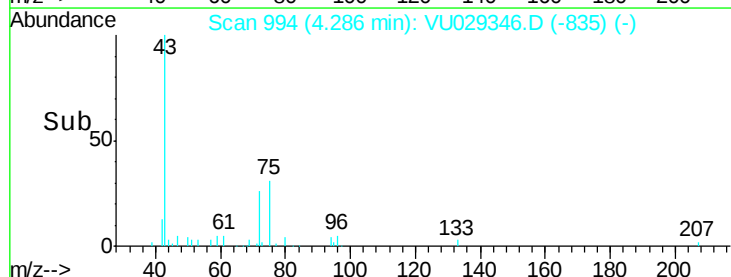
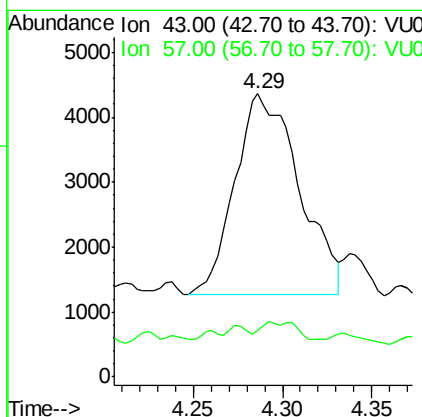
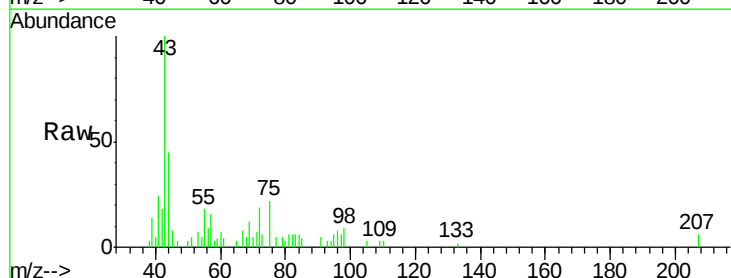
Manual Integrations
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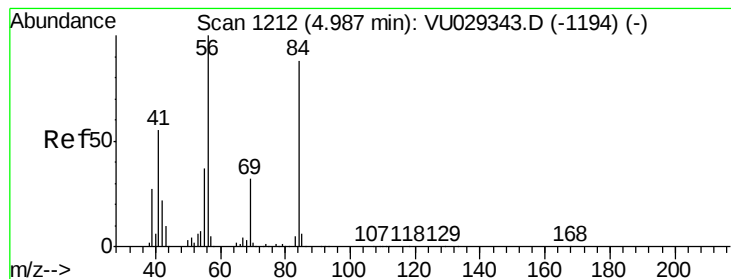
sam
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#18
 2-Butanone
 Concen: 2.100 ug/l
 RT: 4.29 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	4.0	0.0	15.8





#19

Cyclohexane

Concen: 0.589 ug/l m

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 56 Resp: 14192

Ion Ratio Lower Upper

56 100

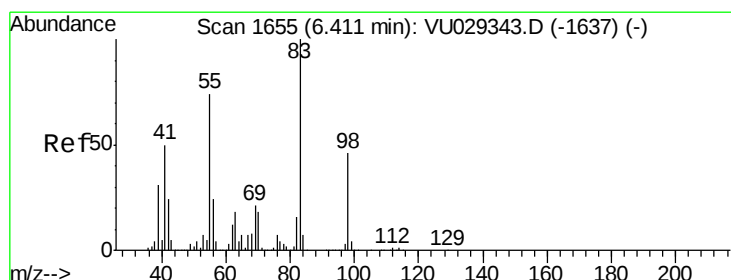
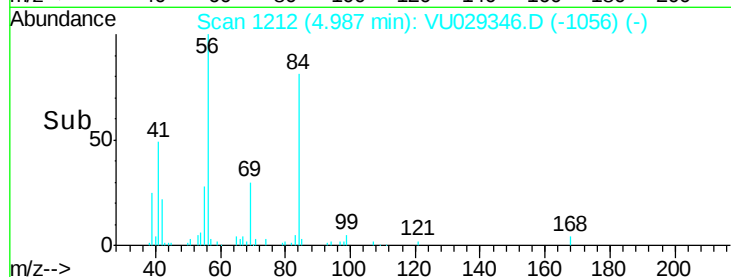
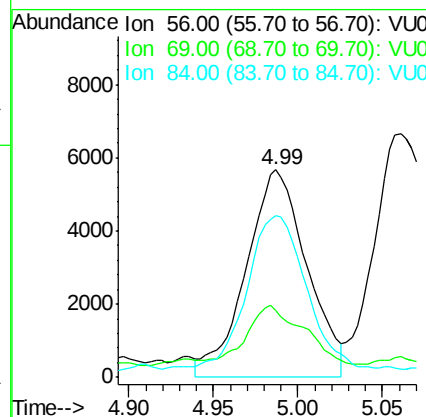
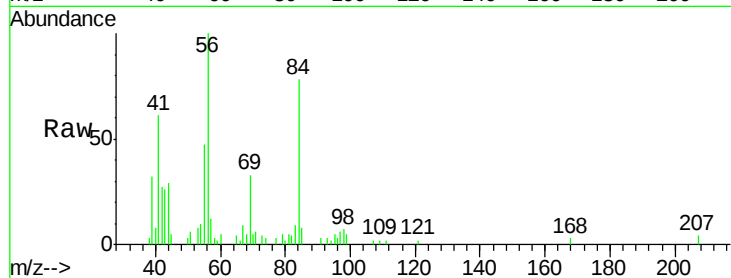
69 23.7 26.8 40.2#

84 69.5 71.5 107.3#

Manual Integrations
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#20

Methylcyclohexane

Concen: 0.479 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

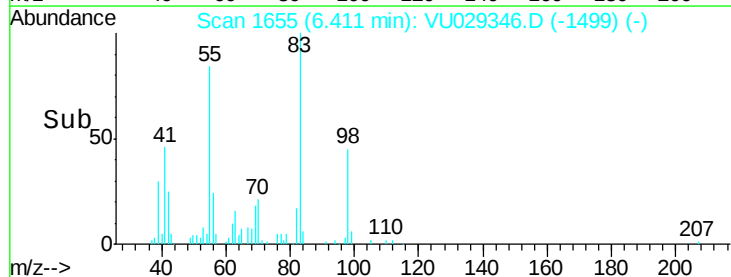
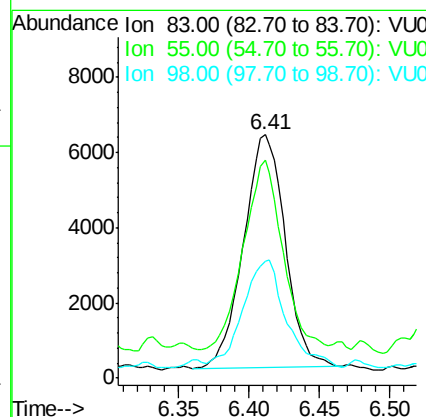
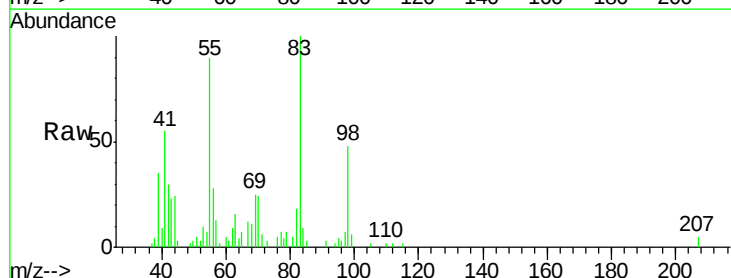
Tgt Ion: 83 Resp: 12758

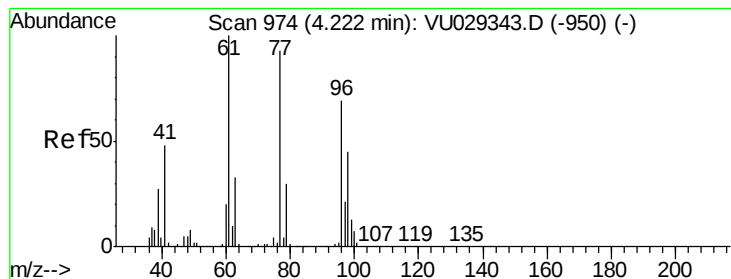
Ion Ratio Lower Upper

83 100

55 74.3 72.4 108.6

98 45.3 36.6 54.8





#21

2,2-Dichloropropane

Concen: 0.509 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

Tot Ion: 77 Resp: 12880

Ion Ratio Lower Upper

77 100

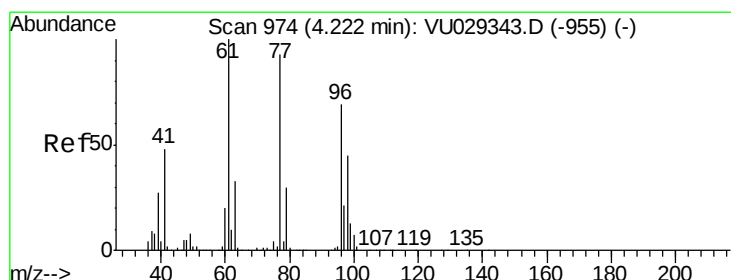
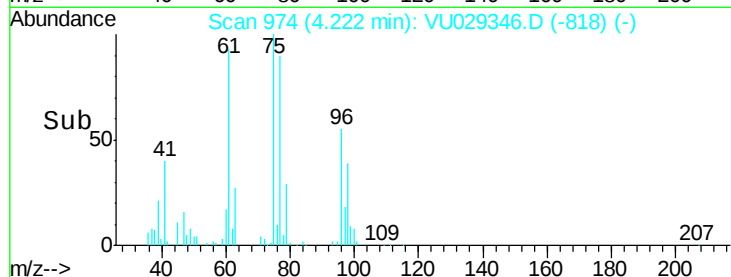
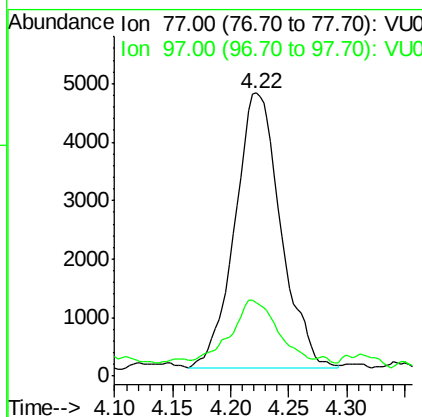
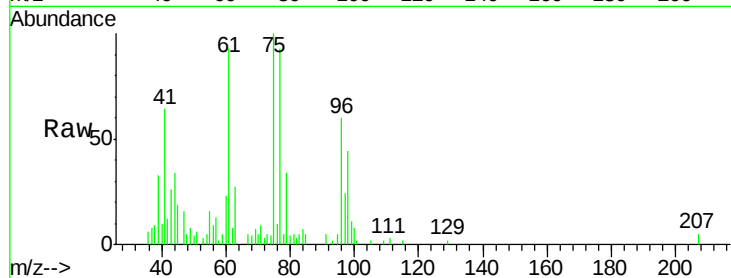
97 23.5 15.6 23.4#

Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 0.478 ug/l

RT: 4.22 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

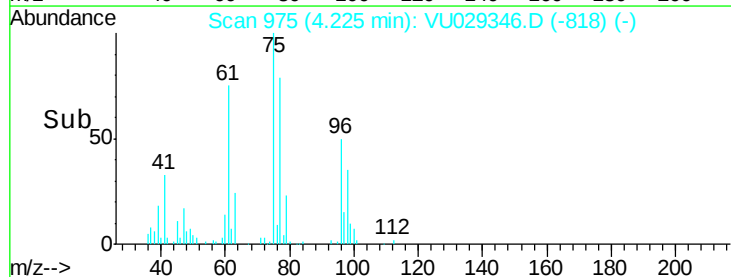
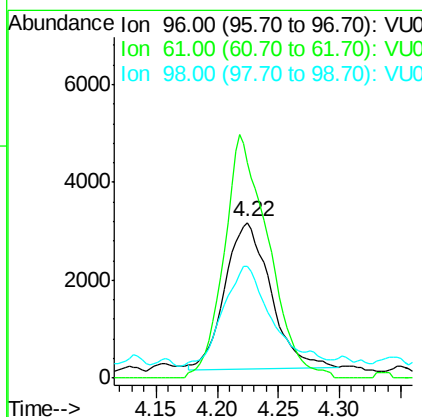
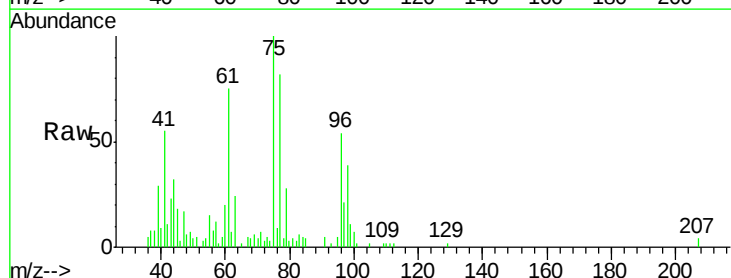
Tgt Ion: 96 Resp: 7772

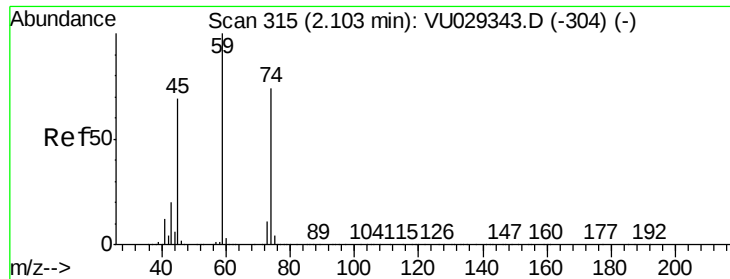
Ion Ratio Lower Upper

96 100

61 161.9 0.0 460.0

98 70.6 32.6 97.7





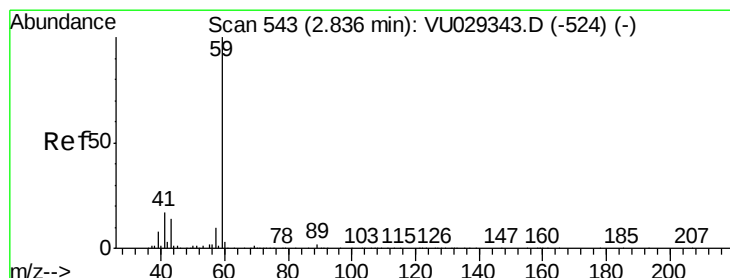
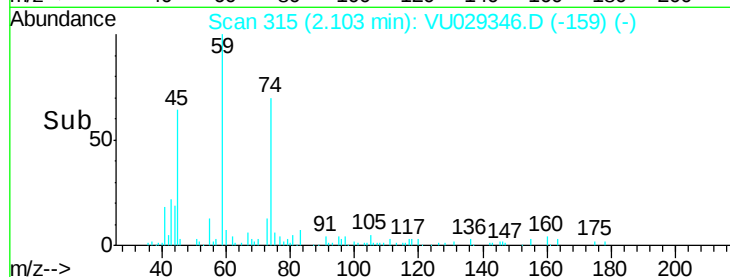
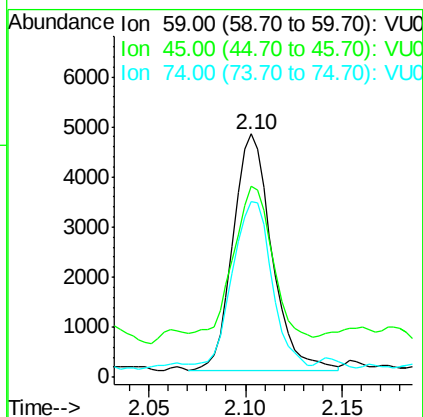
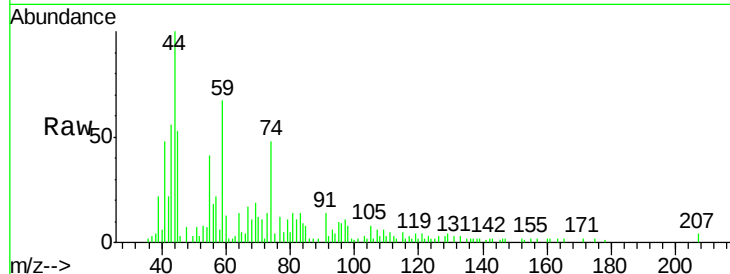
#23
Diethyl Ether
Concen: 0.527 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
59	100		
45	63.4	64.2	96.4#
74	72.3	55.3	82.9

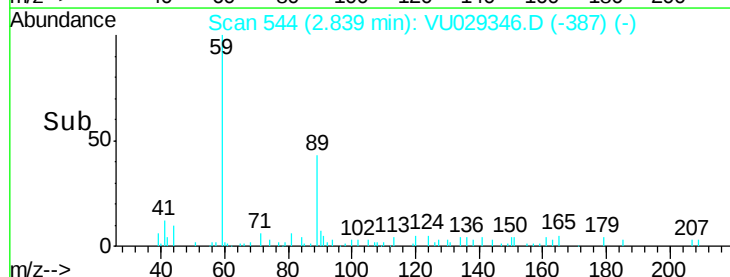
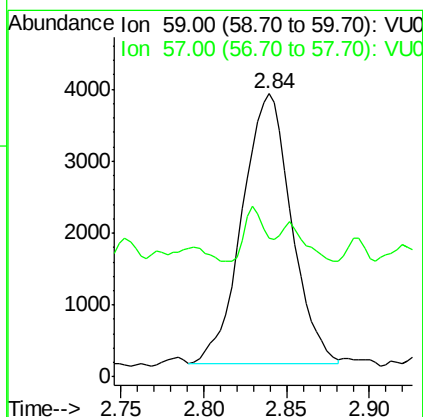
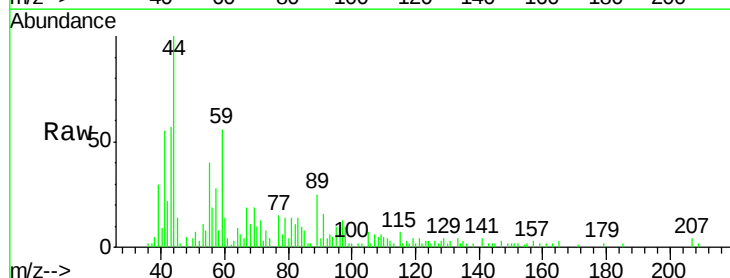
Manual Integrations
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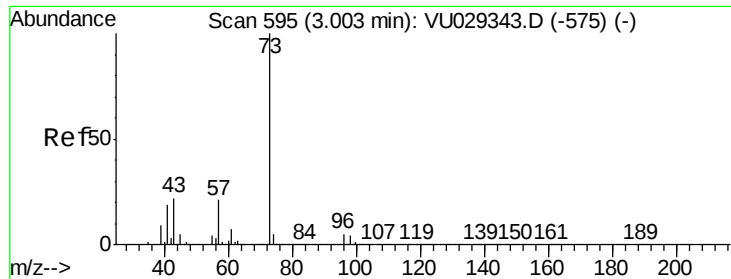
sam
2/8/2019 2:26:31 PM



#24
tert-Butyl Alcohol
Concen: 6.003 ug/l
RT: 2.84 min Scan# 544
Delta R.T. 0.00 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.8	8.8	13.2#





#25

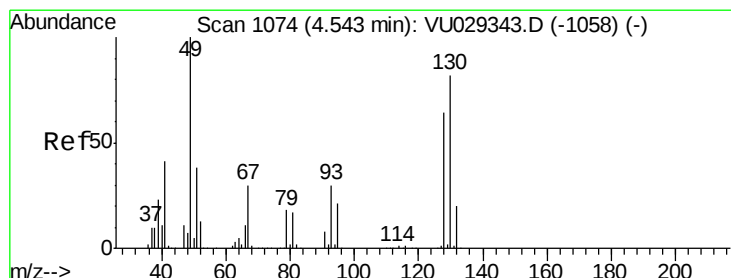
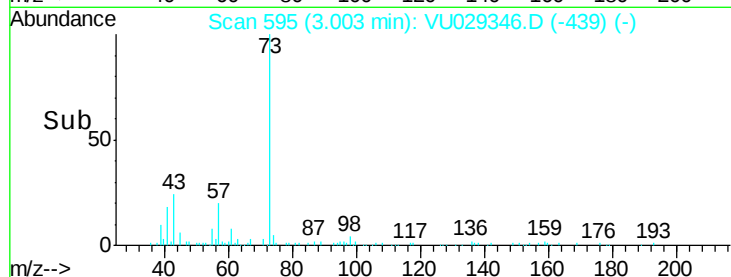
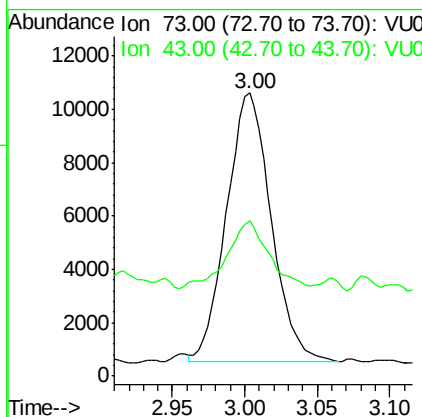
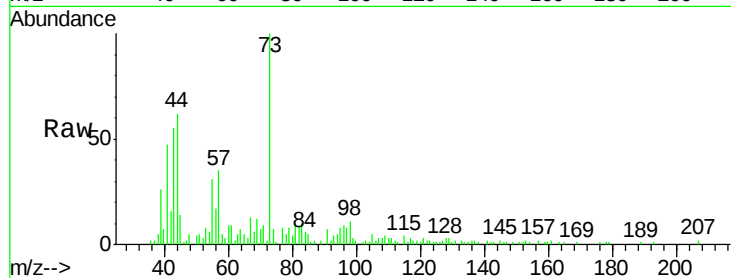
Methyl tert-Butyl Ether
 Concen: 0.496 ug/l
 RT: 3.00 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC0.5

Tot Ion	73	Resp	21554
Ion Ratio	Lower	Upper	
73	100		
43	19.1	22.1	33.1#

Manual Integrations
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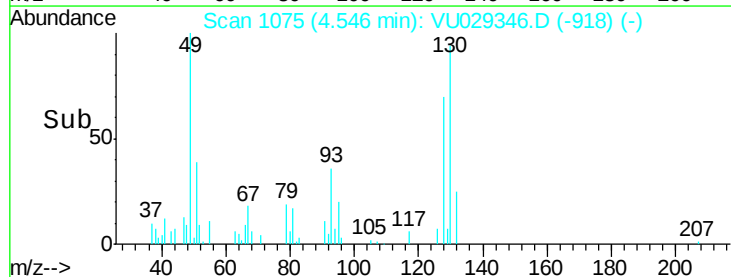
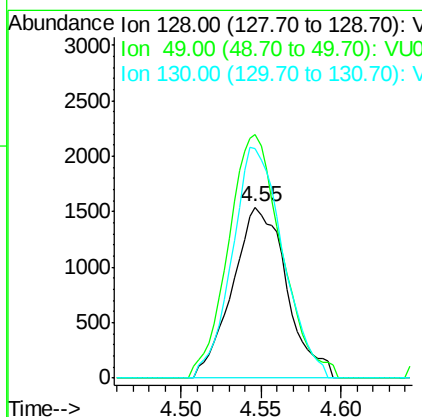
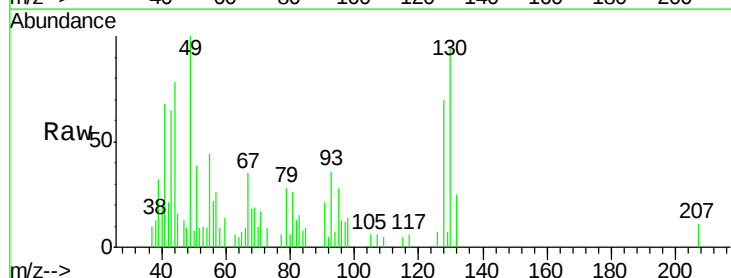
sam
 2/8/2019 2:26:31 PM

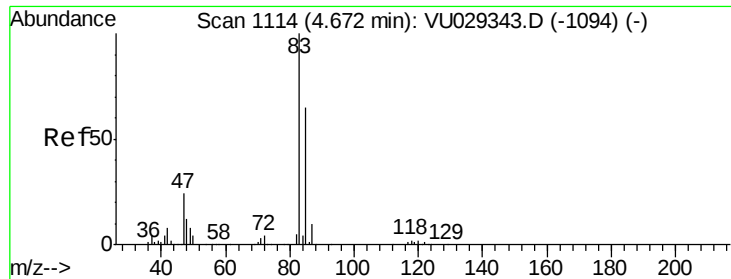


#26

Bromochloromethane
 Concen: 0.498 ug/l
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Tgt Ion	128	Resp	3573
Ion Ratio	Lower	Upper	
128	100		
49	140.1	0.0	401.6
130	126.6	108.0	162.0





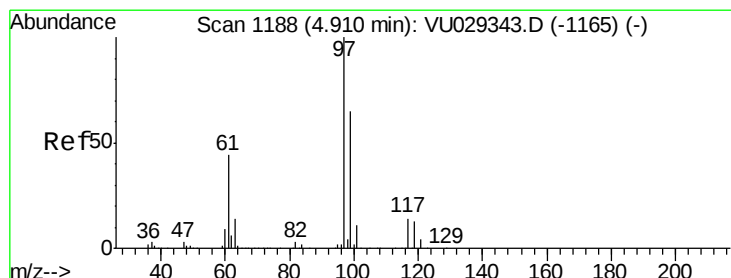
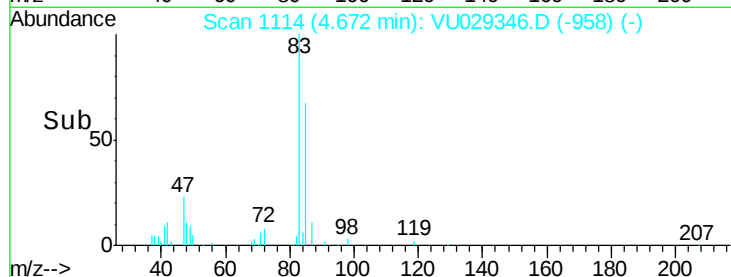
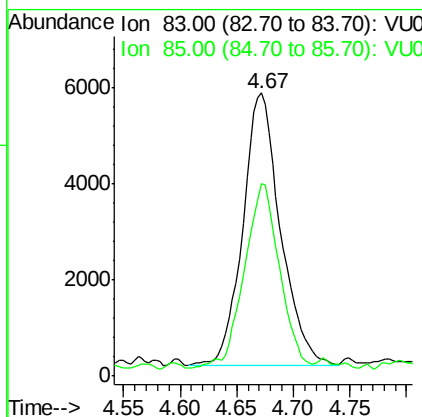
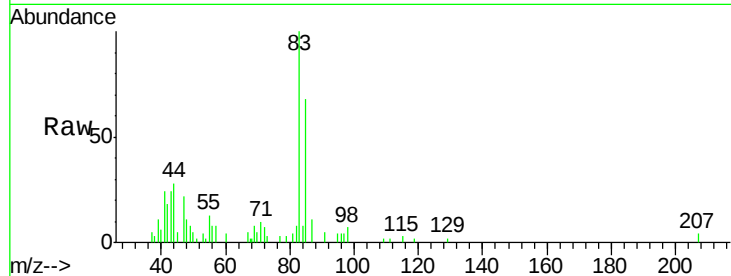
#27
Chloroform
Concen: 0.491 ug/l
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	13061
Ion Ratio	100	Lower	Upper
85	68.1	0.0	126.6

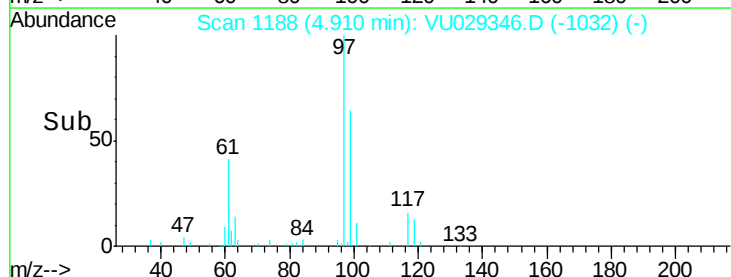
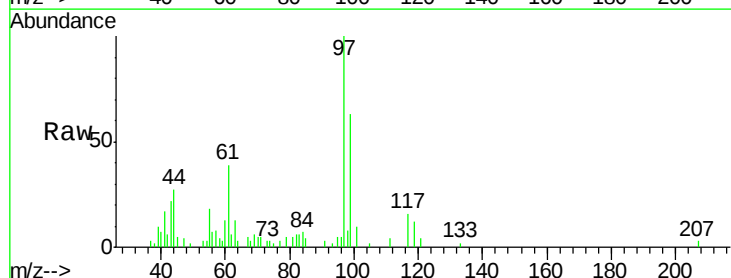
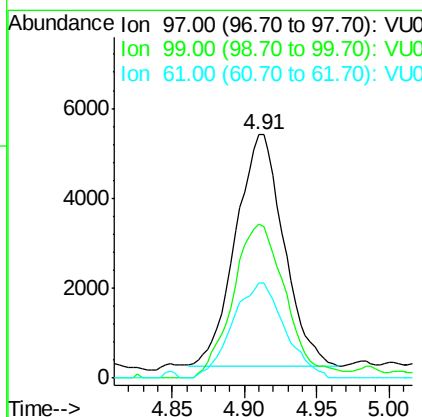
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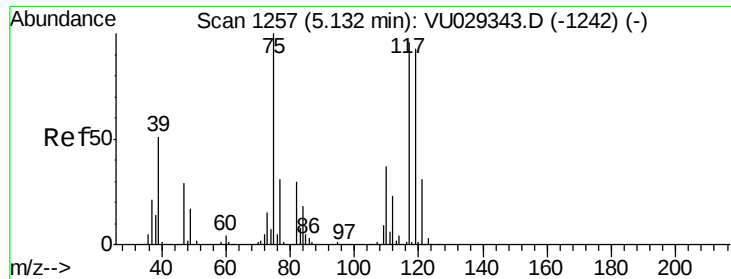
sam
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#28
1,1,1-Trichloroethane
Concen: 0.481 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Tgt Ion	97	Resp	11852
Ion Ratio	100	Lower	Upper
99	73.3	32.4	97.2
61	44.8	24.4	73.2





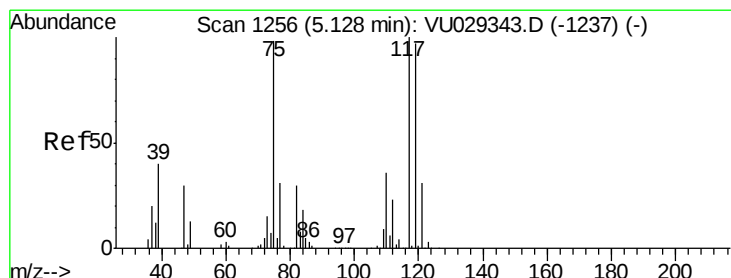
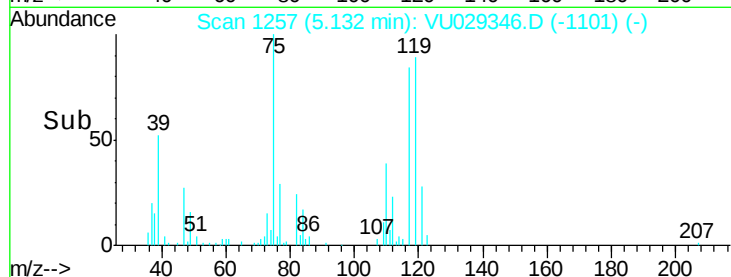
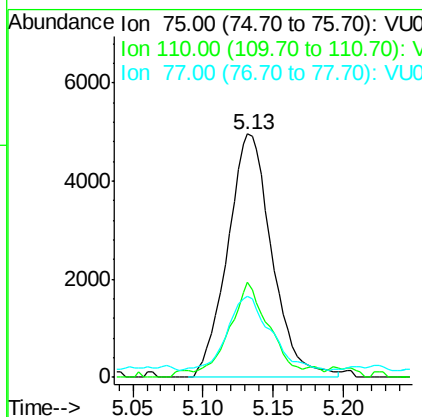
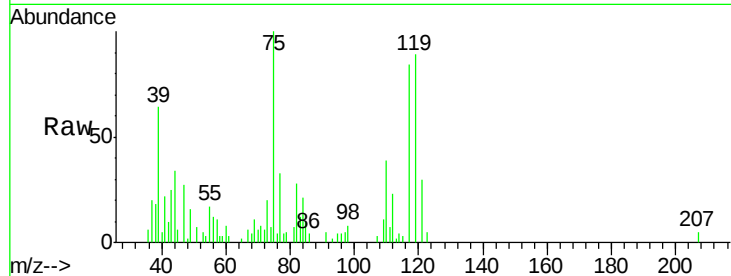
#29
 1,1-Dichloropropene
 Concen: 0.509 ug/l
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.5	15.4	46.2	
77	29.9	24.1	36.1	

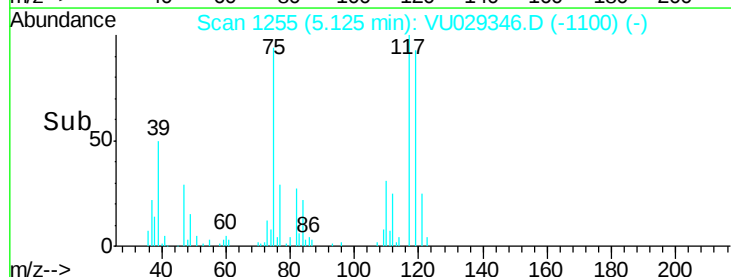
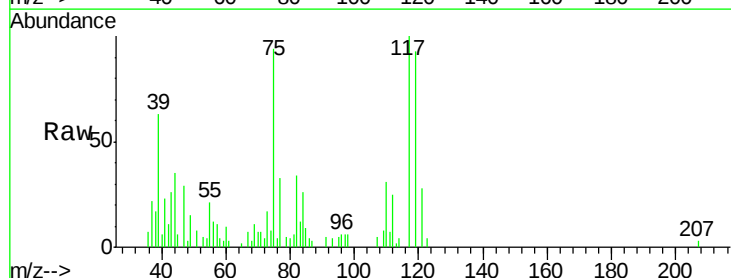
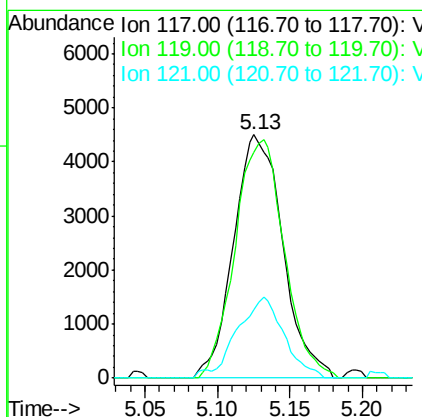
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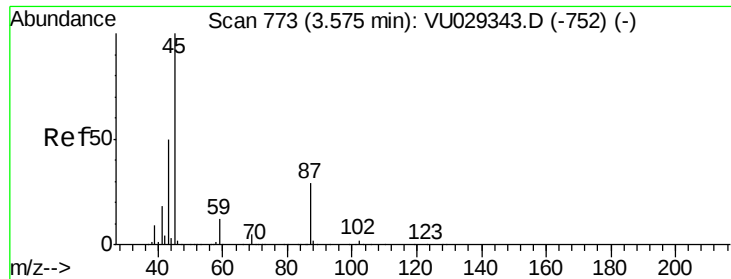
sam
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#30
 Carbon Tetrachloride
 Concen: 0.477 ug/l
 RT: 5.13 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	92.9	76.8	115.2	
121	27.8	24.4	36.6	





#31

Isopropyl Ether

Concen: 0.472 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 19469

Ion Ratio Lower Upper

45 100

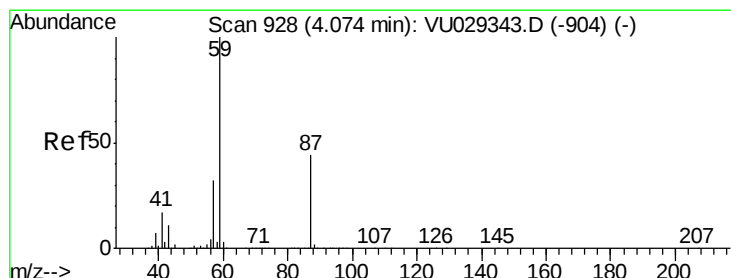
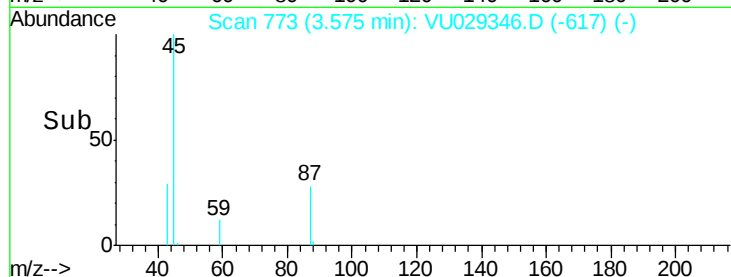
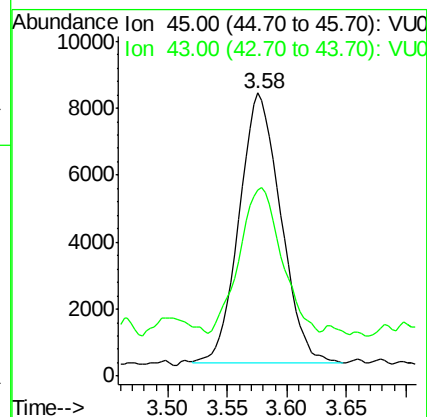
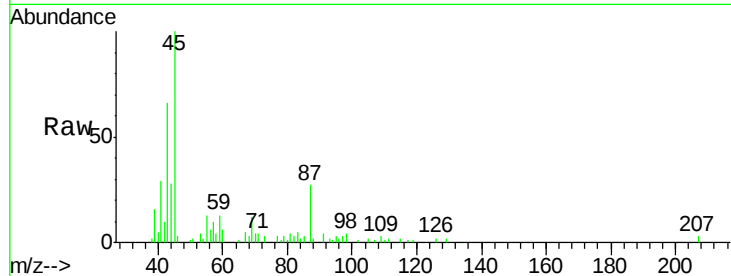
43 54.8 28.4 85.3

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#32

Ethyl-t-butyl ether

Concen: 0.496 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU029346.D

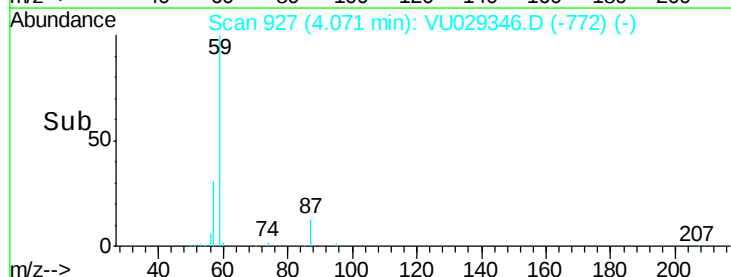
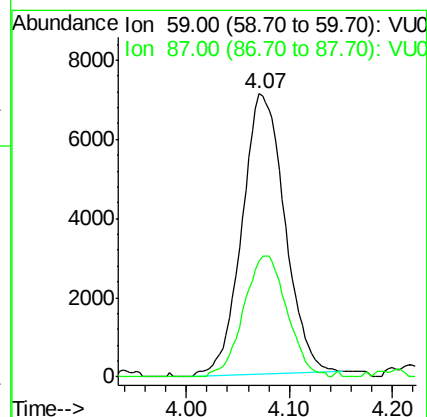
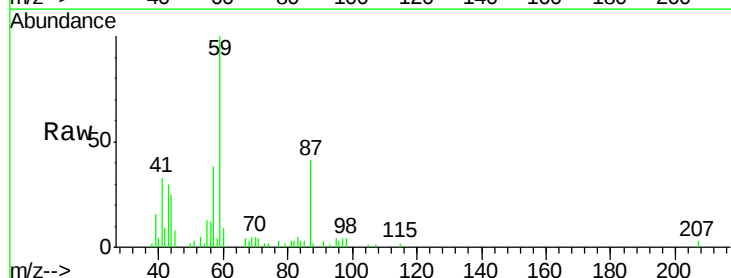
Acq: 05 Feb 2019 14:24

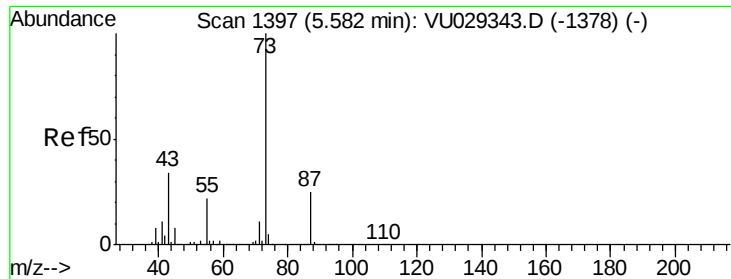
Tgt Ion: 59 Resp: 20488

Ion Ratio Lower Upper

59 100

87 43.6 31.1 46.7





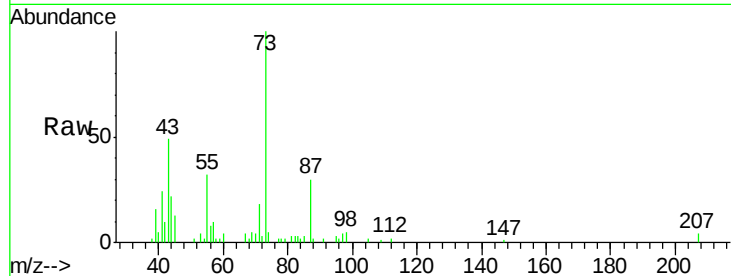
#33
Tert-Butyl methyl ether
Concen: 0.475 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

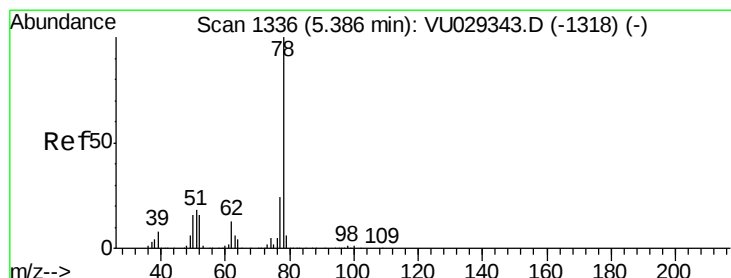
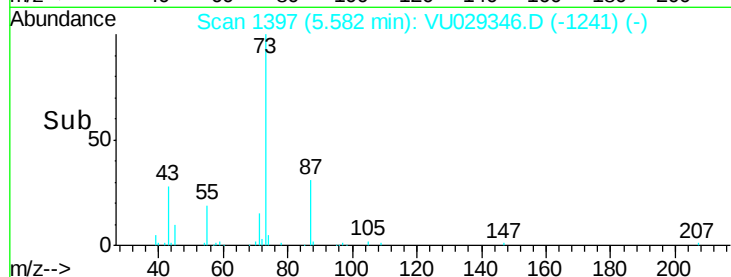
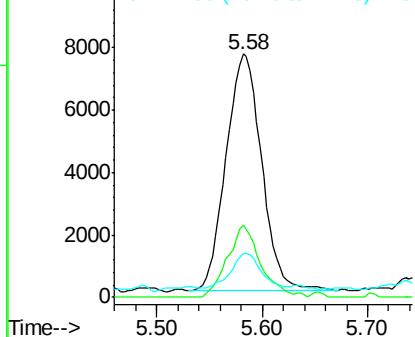
Tot Ion	Ratio	Lower	Upper
73	100		
87	26.4	19.4	29.0
71	11.7	9.0	13.4

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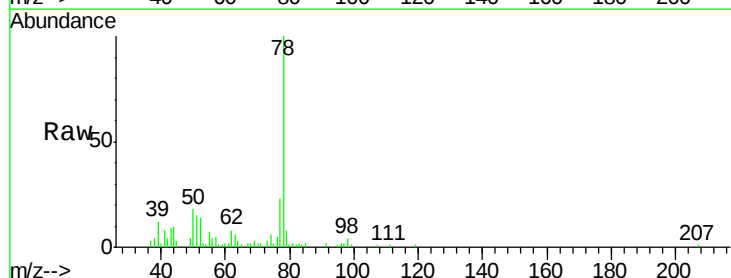


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

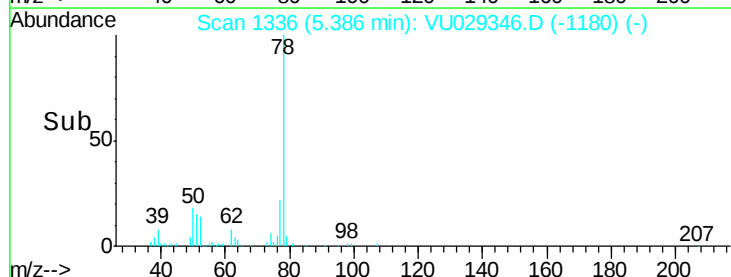
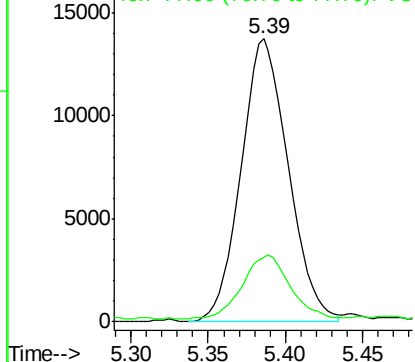


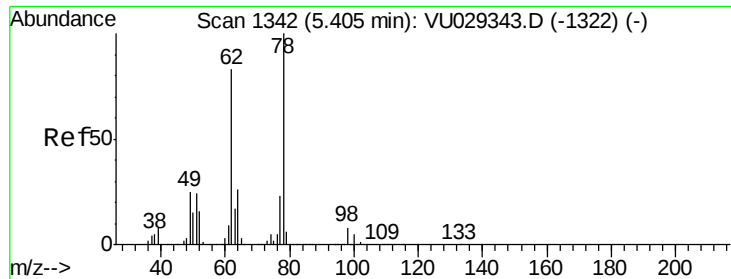
#35
Benzene
Concen: 0.493 ug/l
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.6	19.8	29.8



Abundance Ion 78.10 (77.80 to 78.80): VU0
Ion 77.00 (76.70 to 77.70): VU0





#36

1,2-Dichloroethane

Concen: 0.484 ug/l

RT: 5.41 min Scan# 1343

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 8650

Ion Ratio Lower Upper

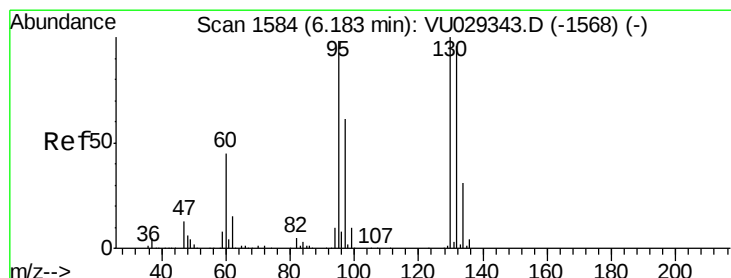
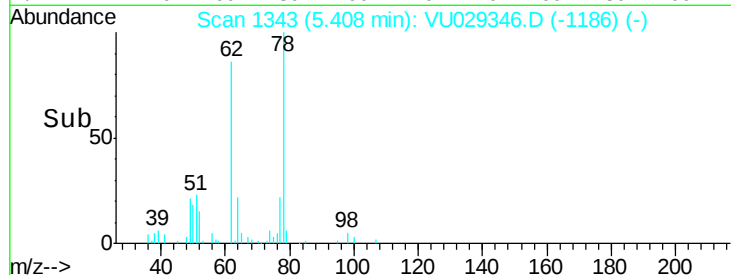
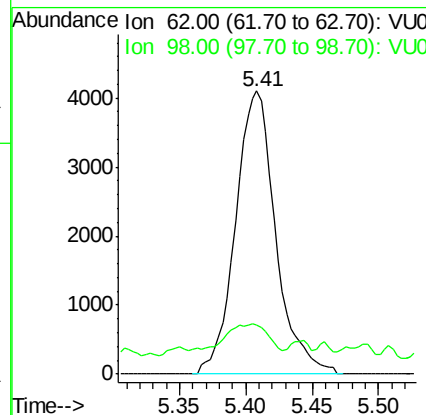
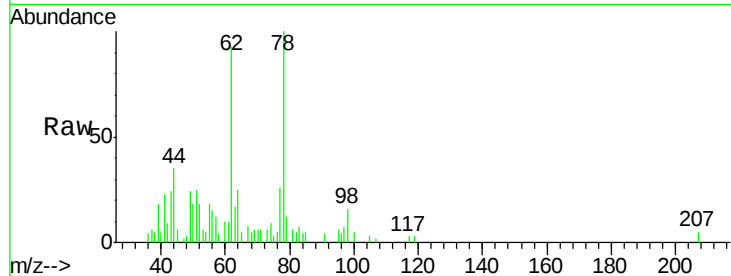
62 100

98 11.4 4.9 7.3#

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#37

Trichloroethene

Concen: 0.486 ug/l

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU029346.D

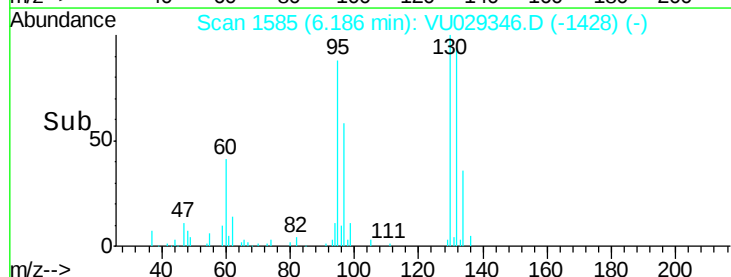
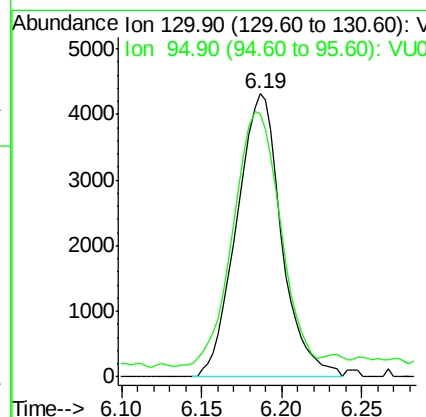
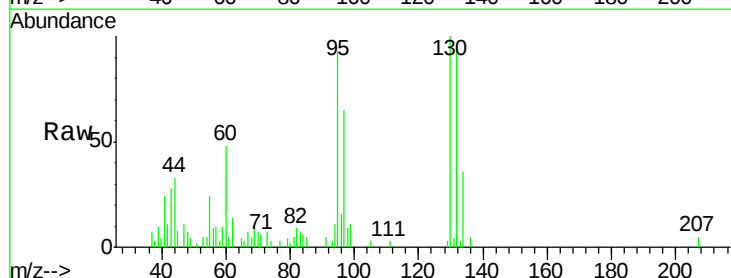
Acq: 05 Feb 2019 14:24

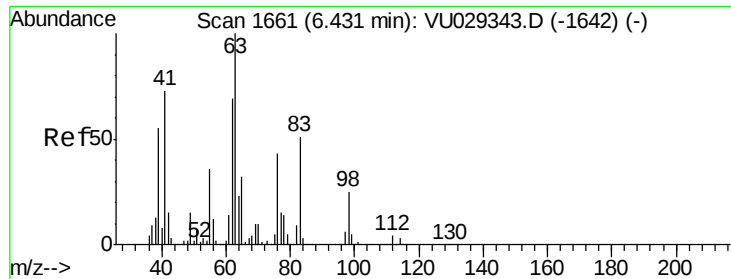
Tgt Ion:130 Resp: 8257

Ion Ratio Lower Upper

130 100

95 88.2 85.4 128.0





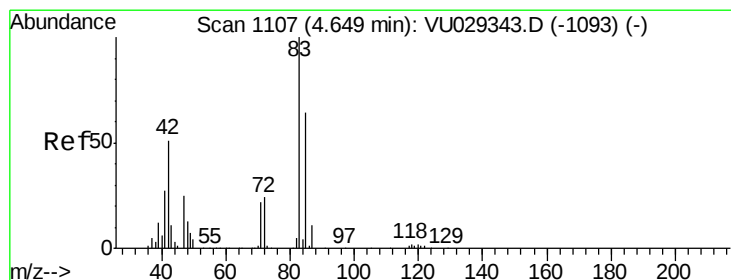
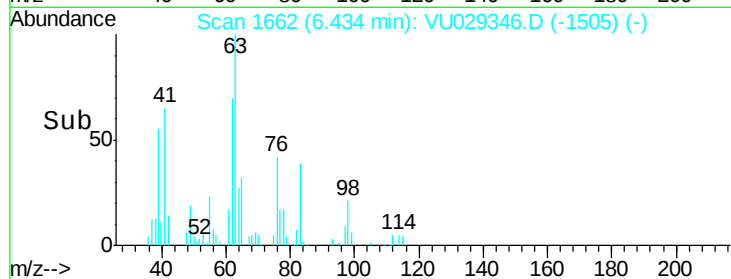
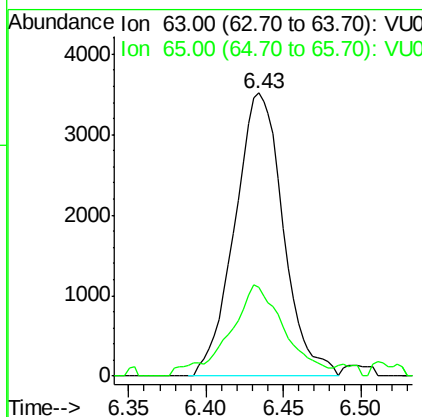
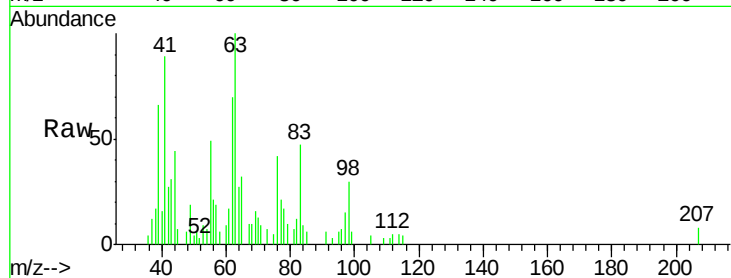
#38
 1,2-Dichloropropane
 Concen: 0.498 ug/l
 RT: 6.43 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.6	25.5	38.3

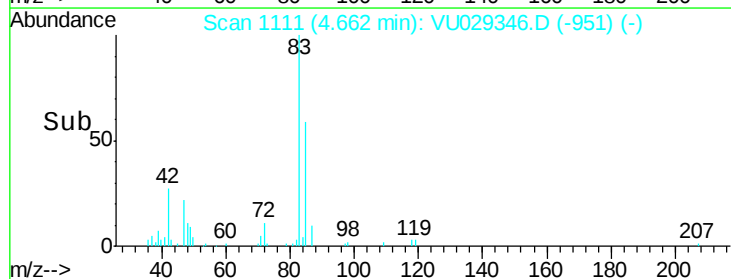
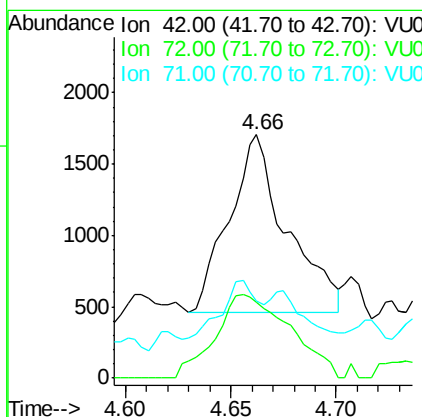
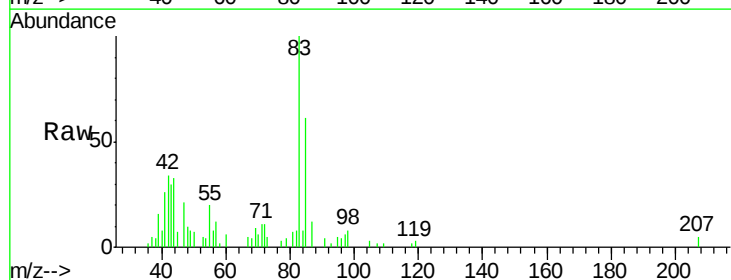
Manual Integrations
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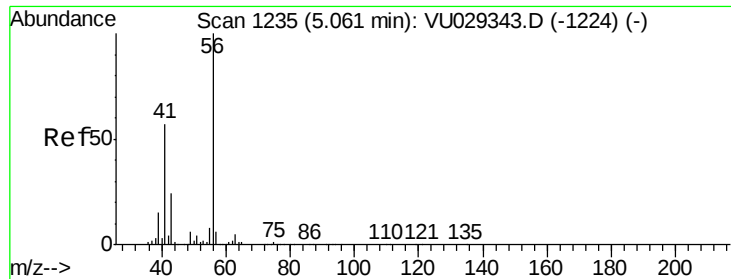
sam
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#41
 Tetrahydrofuran
 Concen: 0.895 ug/l
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Tgt Ion	Ratio	Lower	Upper
42	100		
72	61.6	33.1	49.7#
71	20.6	30.2	45.2#





#42

1-Chlorobutane

Concen: 0.491 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 56 Resp: 14066

Ion Ratio Lower Upper

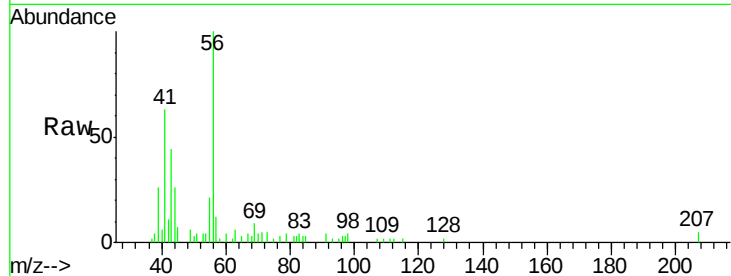
56 100

41 54.3 31.3 93.8

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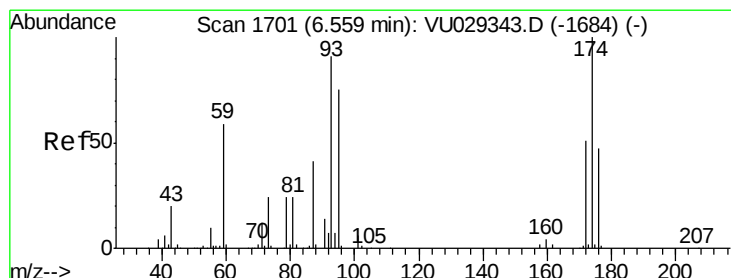
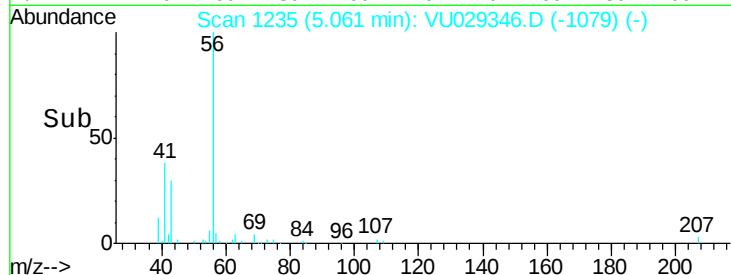
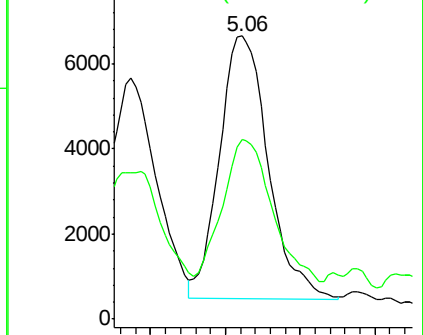
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0



#43

Dibromomethane

Concen: 0.552 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

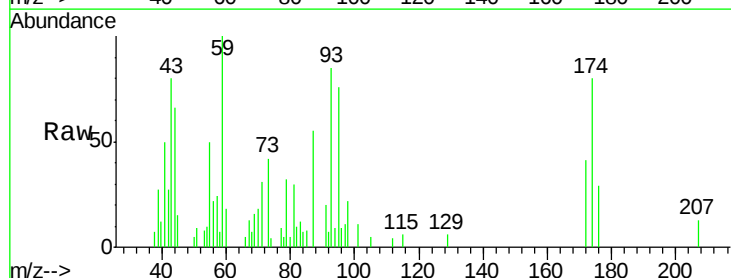
Tgt Ion: 93 Resp: 4524

Ion Ratio Lower Upper

93 100

95 80.8 68.2 102.2

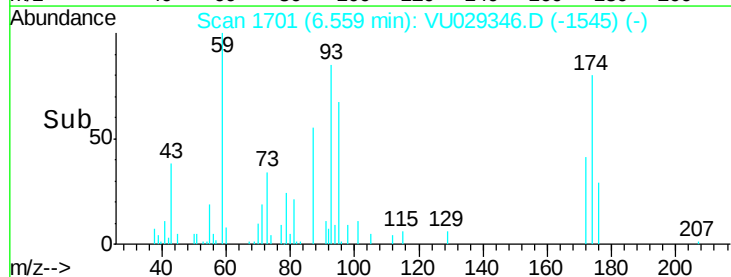
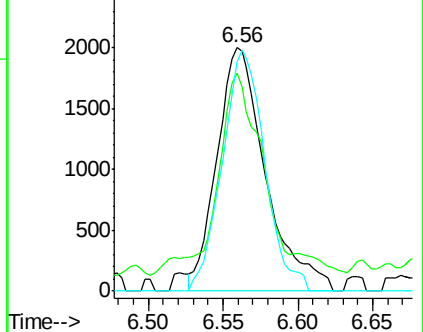
174 86.7 77.6 116.4

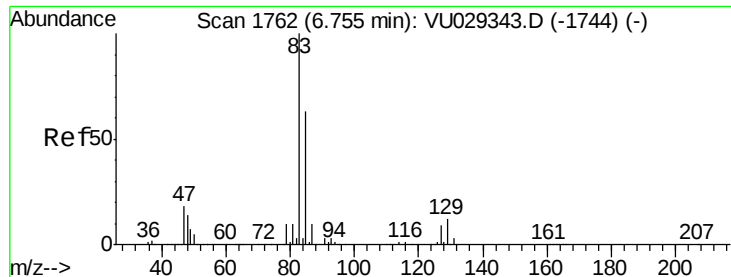


Abundance Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V





#44

Bromodichloromethane

Concen: 0.478 ug/l

RT: 6.76 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Instrument :

MSVOA_U

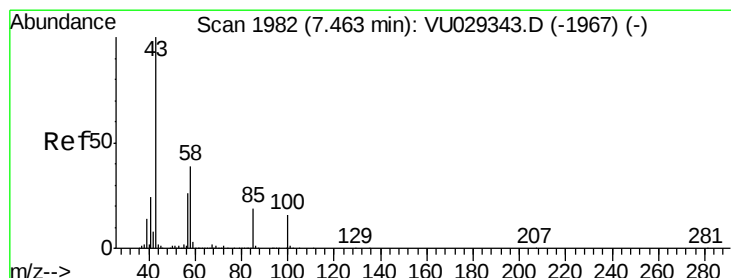
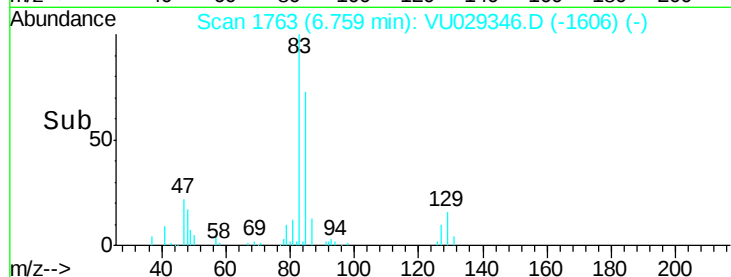
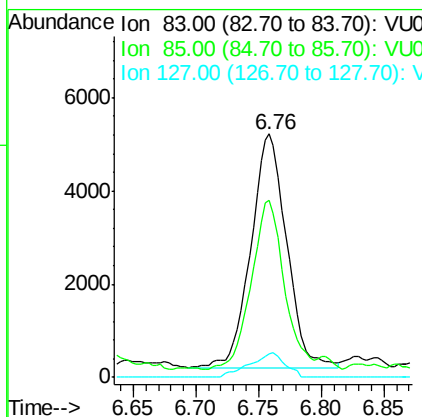
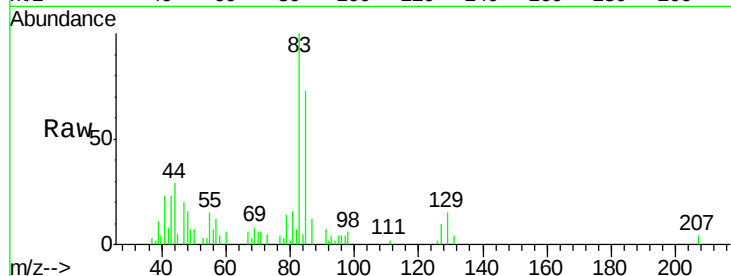
ClientSampleId :

VSTDIC0.5

Tot Ion:	83	Resp:	9994
Ion	Ratio	Lower	Upper
83	100		
85	71.6	49.2	73.8
127	10.2	7.0	10.6

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#45

4-Methyl-2-Pentanone

Concen: 2.284 ug/l

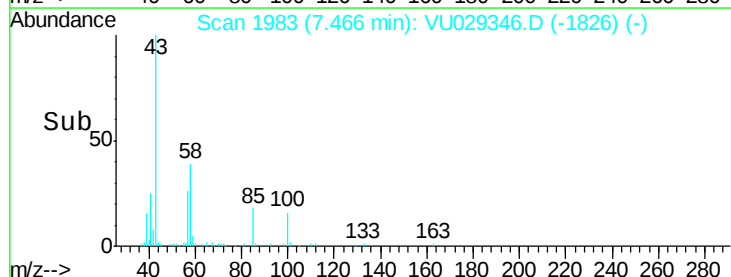
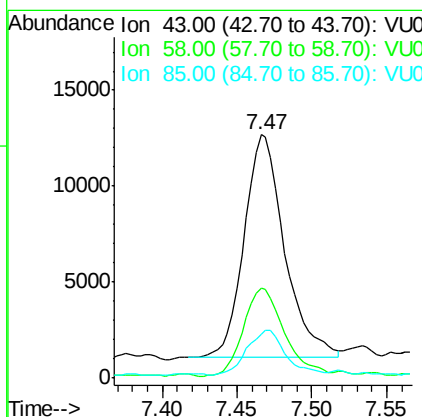
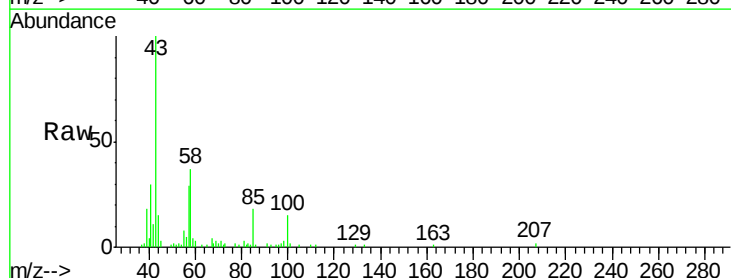
RT: 7.47 min Scan# 1983

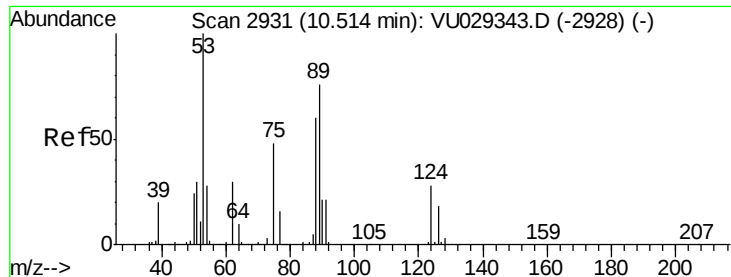
Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Tgt Ion:	43	Resp:	21949
Ion	Ratio	Lower	Upper
43	100		
58	39.8	17.6	52.8
85	19.0	12.3	18.5#





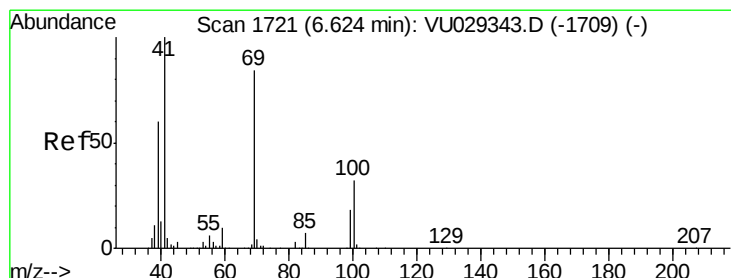
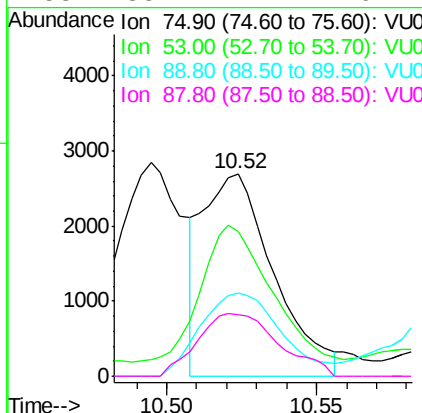
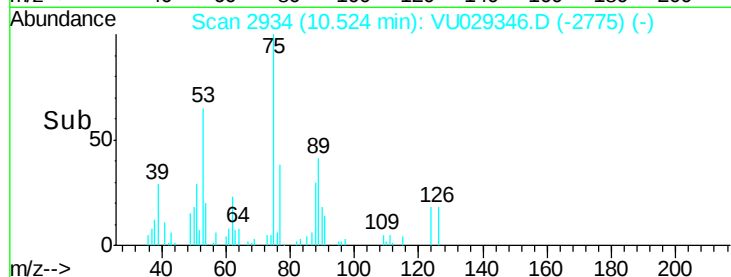
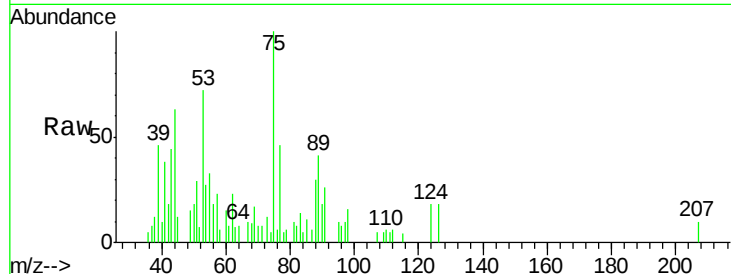
#46
t-1,4-Dichloro-2-butene
Concen: 0.950 ug/l m
RT: 10.52 min Scan# 2934
Delta R.T. 0.01 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
53	64.9	78.2	117.4#
89	46.9	44.2	66.4
88	35.4	41.4	62.2#

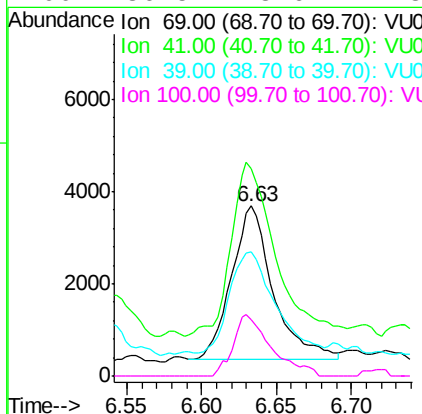
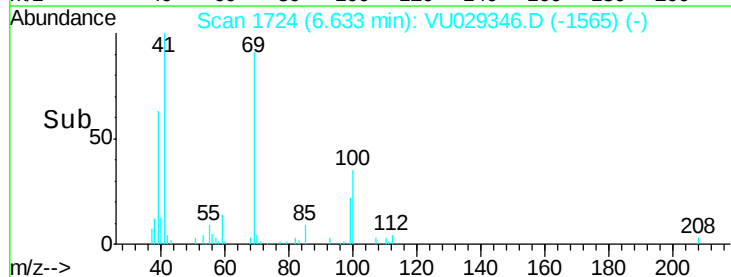
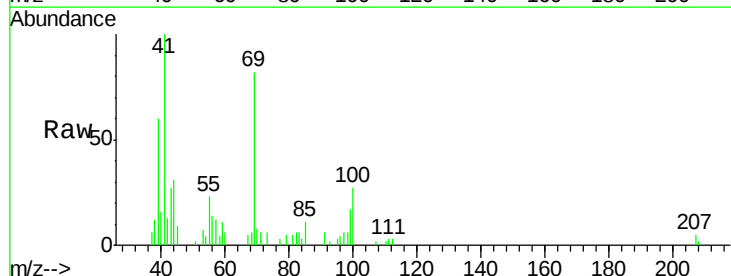
Manual Integrations
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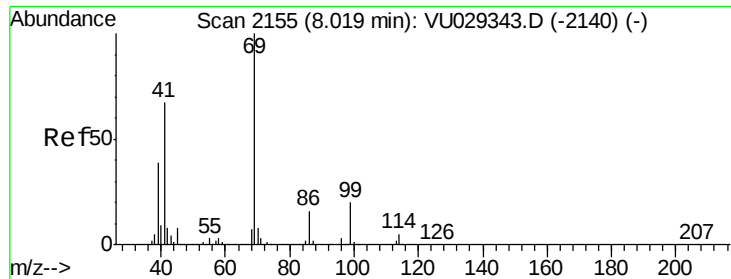
sam
2/8/2019 2:26:31 PM



#47
Methyl methacrylate
Concen: 0.895 ug/l
RT: 6.63 min Scan# 1724
Delta R.T. 0.01 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Tgt Ion	Ratio	Lower	Upper
69	100		
41	120.7	0.0	296.2
39	70.4	71.2	106.8#
100	36.5	28.6	42.8





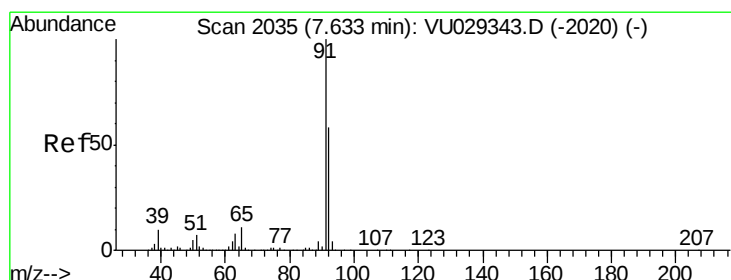
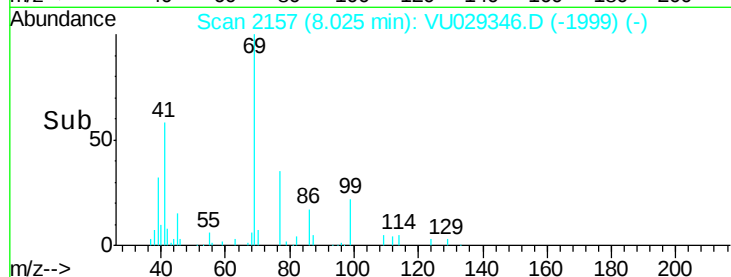
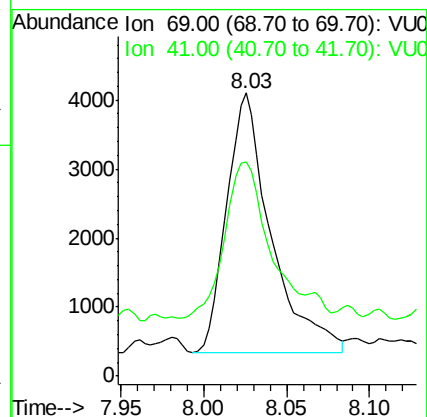
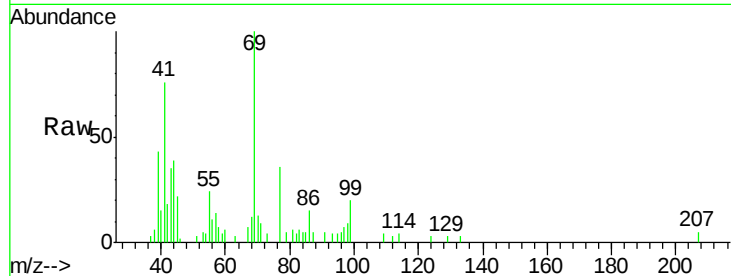
#48
Ethyl methacrylate
Concen: 0.455 ug/l
RT: 8.03 min Scan# 2157
Delta R.T. 0.01 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
69	100		
41	59.2	39.9	119.7

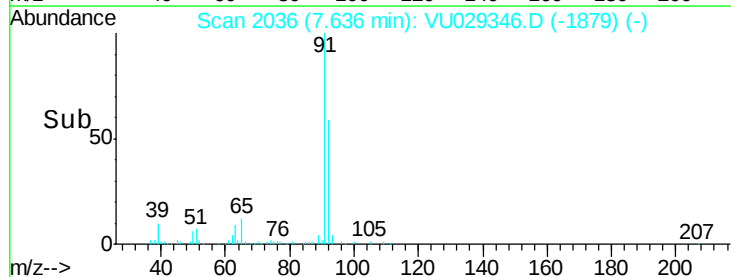
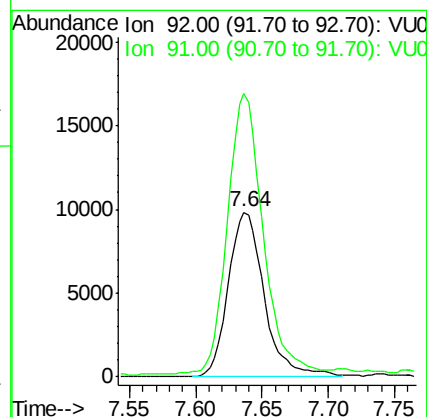
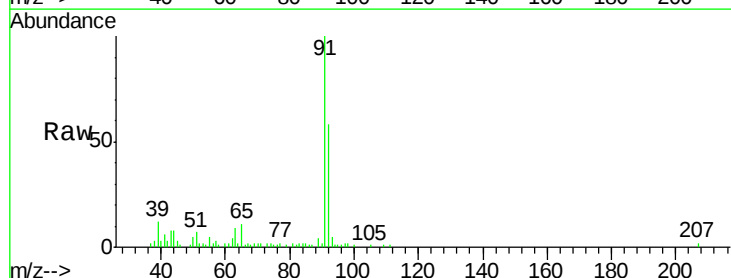
Manual Integrations
APPROVED

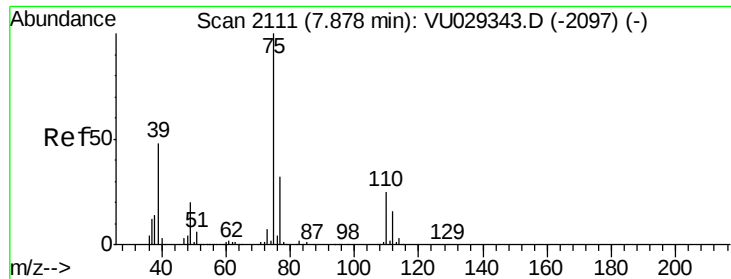
sam
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#49
Toluene
Concen: 0.490 ug/l
RT: 7.64 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.7	140.7	211.1





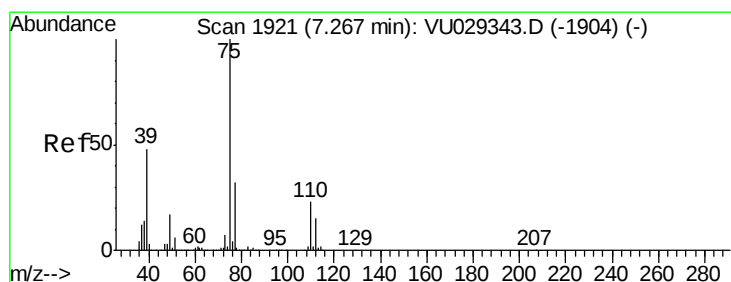
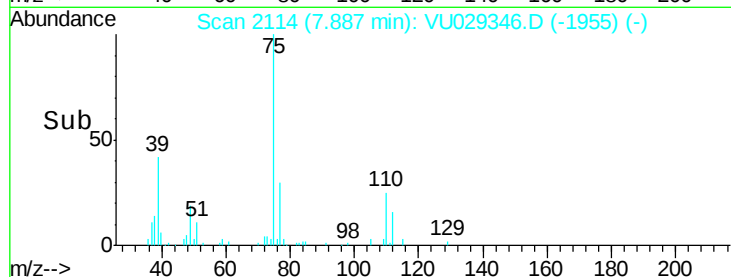
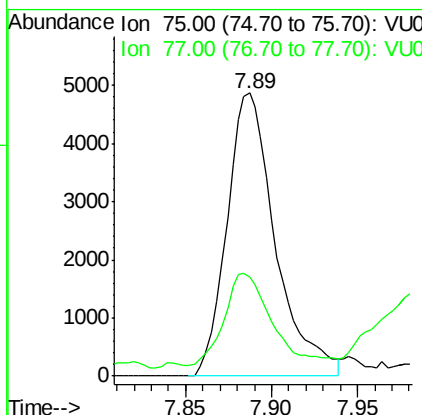
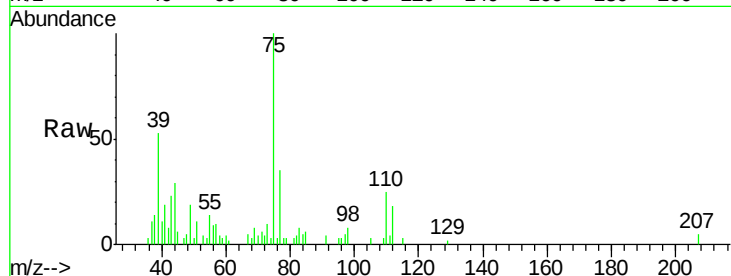
#50
 t-1,3-Dichloropropene
 Concen: 0.467 ug/l
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.01 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 75 Resp: 9562
 Ion Ratio Lower Upper
 75 100
 77 31.1 23.6 35.4

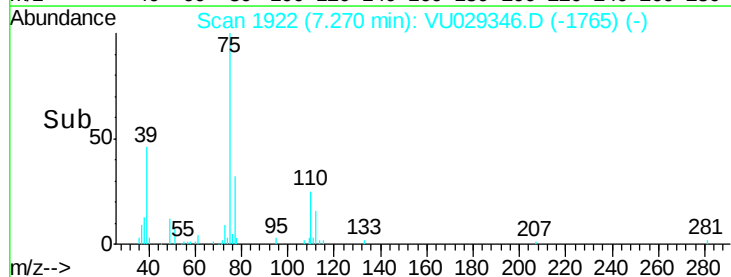
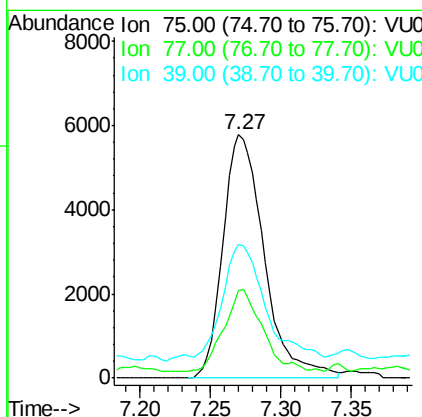
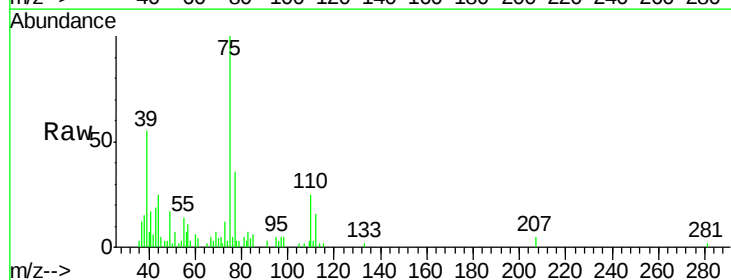
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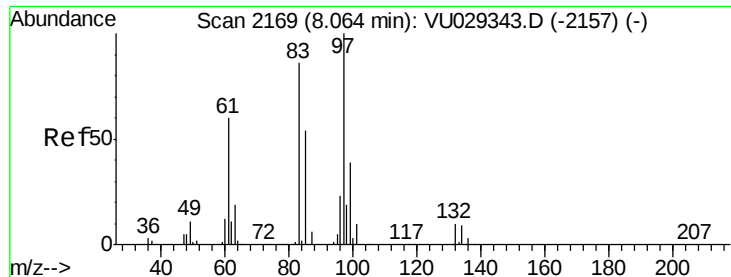
sam
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#51
 cis-1,3-Dichloropropene
 Concen: 0.486 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Tgt Ion: 75 Resp: 11817
 Ion Ratio Lower Upper
 75 100
 77 33.1 24.9 37.3
 39 45.8 47.2 70.8#





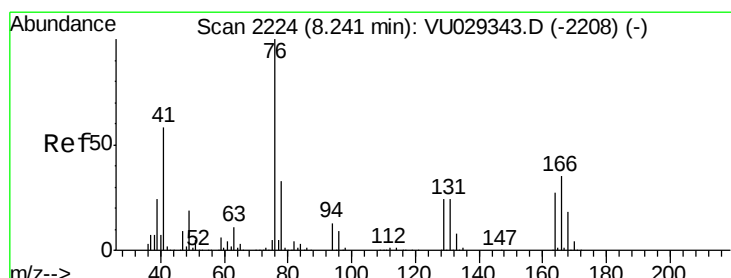
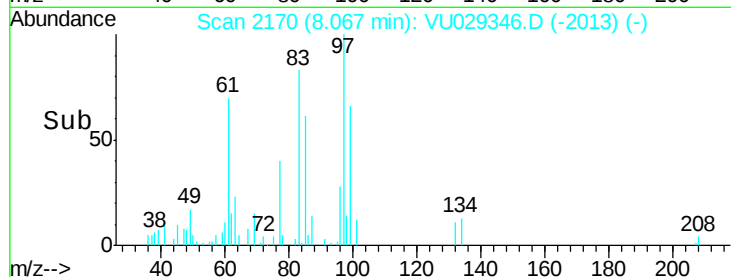
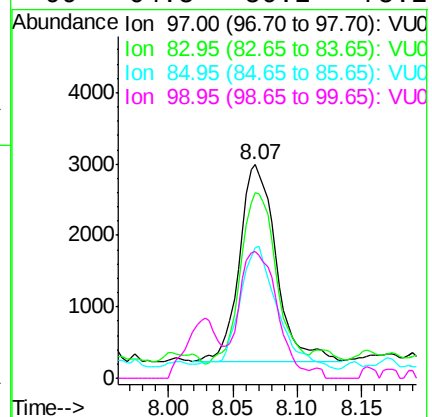
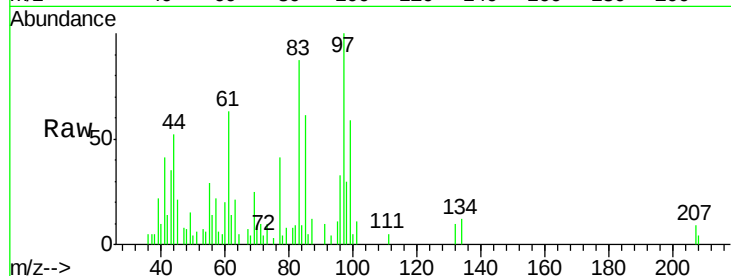
#52
 1,1,2-Trichloroethane
 Concen: 0.502 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	97	Resp:	5446
Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.9	104.9
85	61.7	45.8	68.6
99	64.5	50.2	75.2

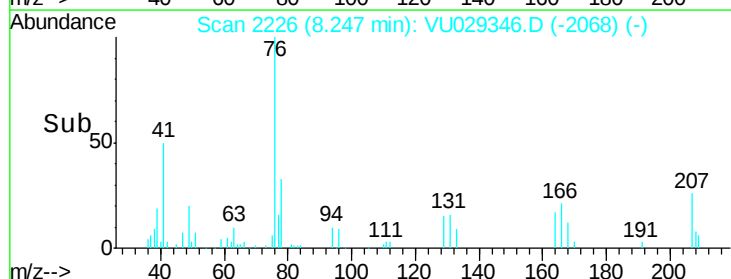
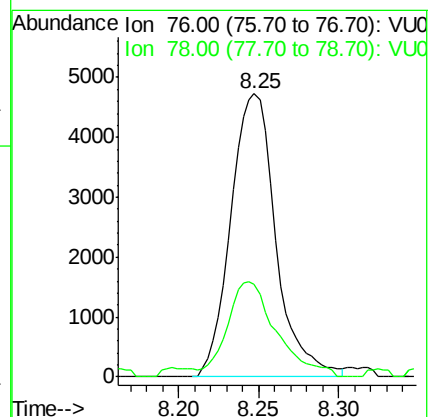
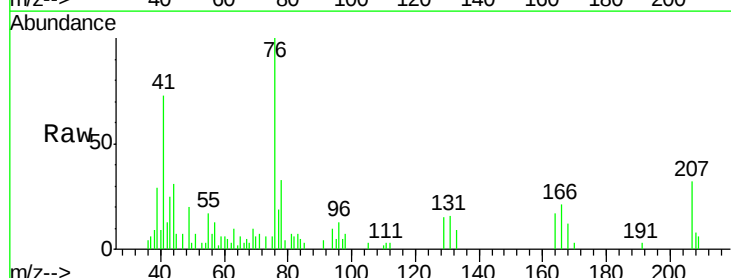
Manual Integrations
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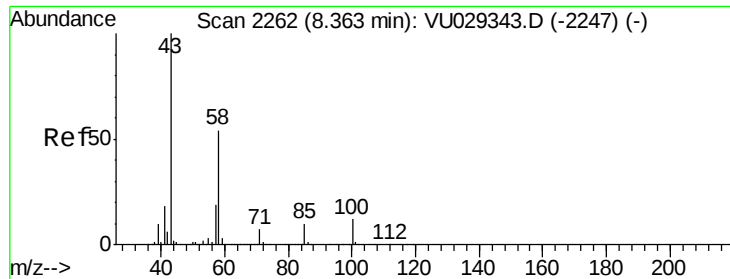
sam
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#53
 1,3-Dichloropropane
 Concen: 0.476 ug/l
 RT: 8.25 min Scan# 2226
 Delta R.T. 0.01 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Tgt Ion:	76	Resp:	9082
Ion	Ratio	Lower	Upper
76	100		
78	36.8	26.3	39.5





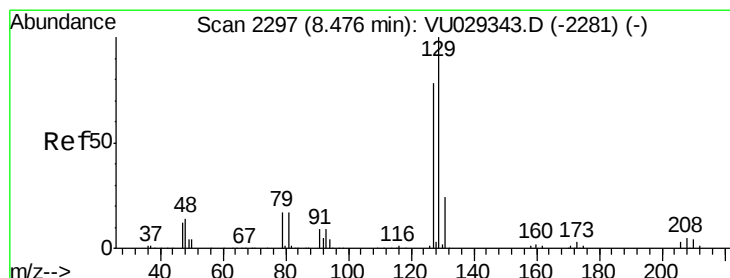
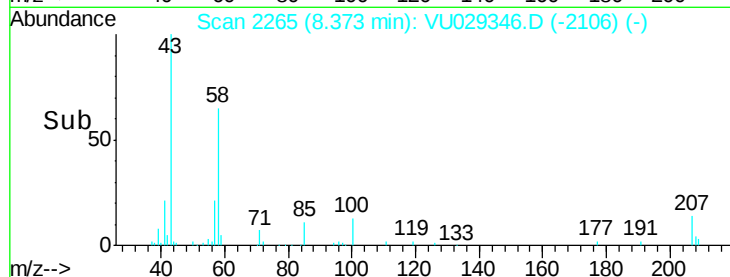
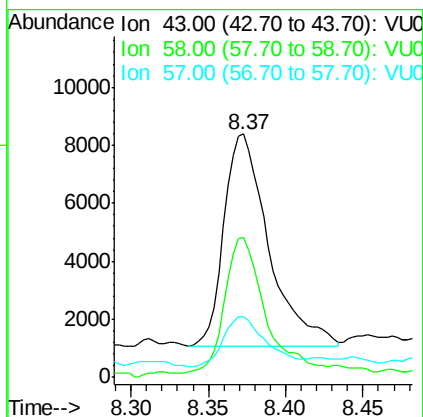
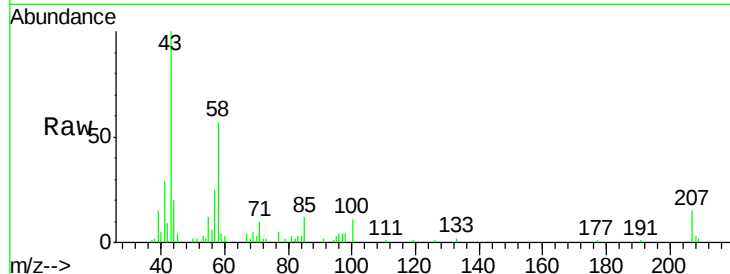
#54
2-Hexanone
Concen: 2.196 ug/l
RT: 8.37 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.0	26.0	66.0
57	22.5	0.0	37.7

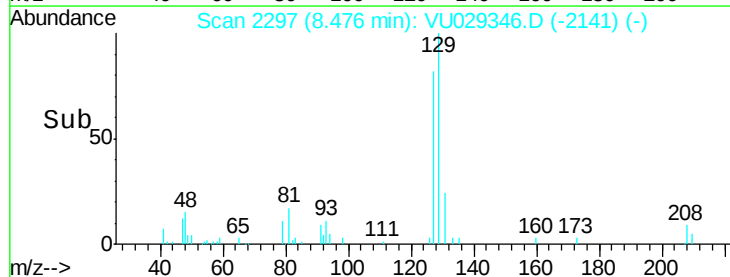
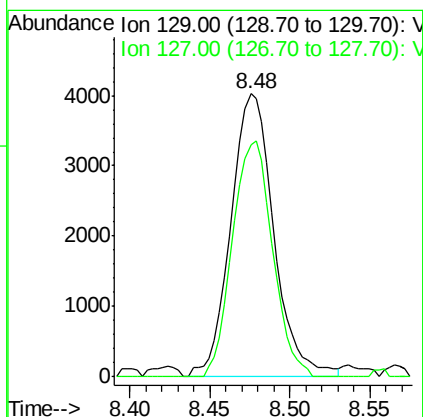
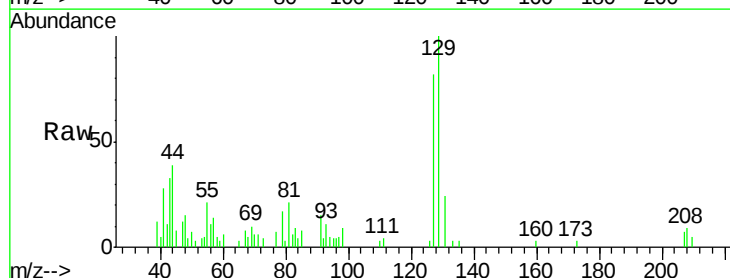
Manual Integrations
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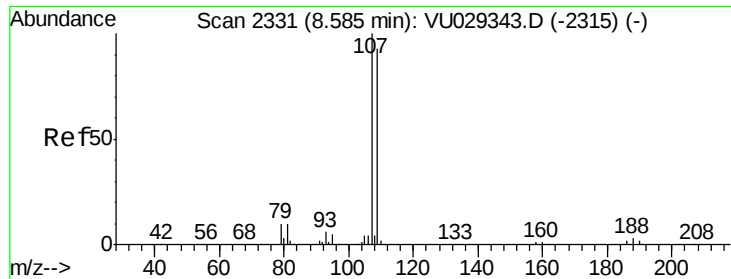
sam
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#55
Dibromochloromethane
Concen: 0.479 ug/l
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	60.5	90.7





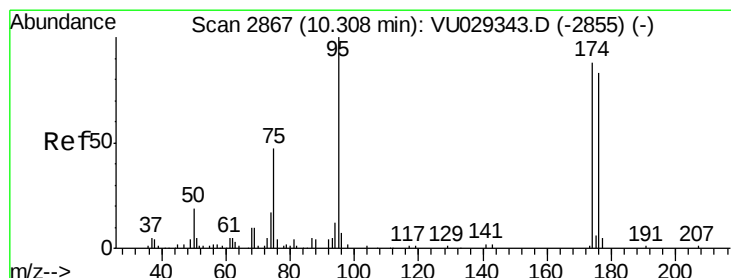
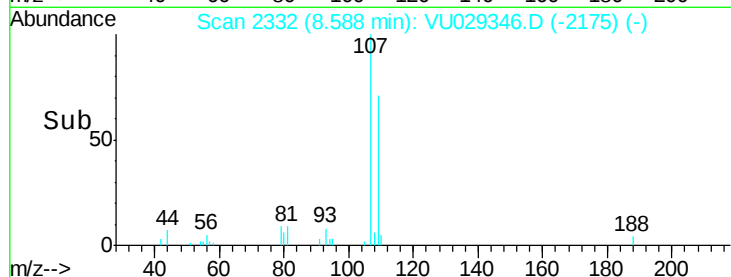
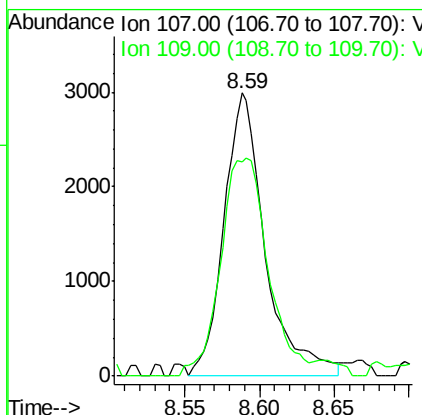
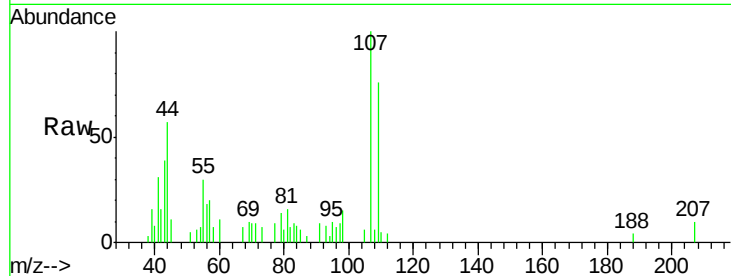
#56
 1,2-Dibromoethane
 Concen: 0.516 ug/l
 RT: 8.59 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
107	100		
109	88.1	0.0	189.6

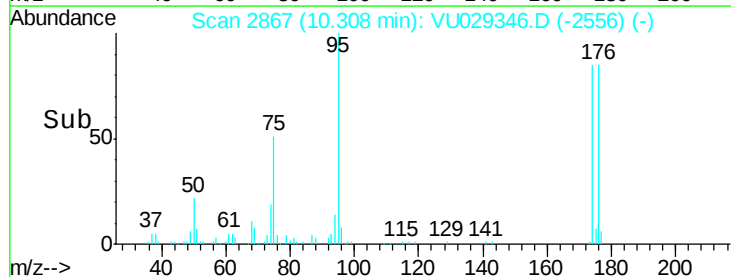
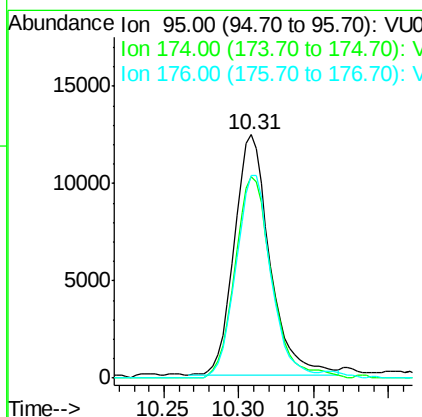
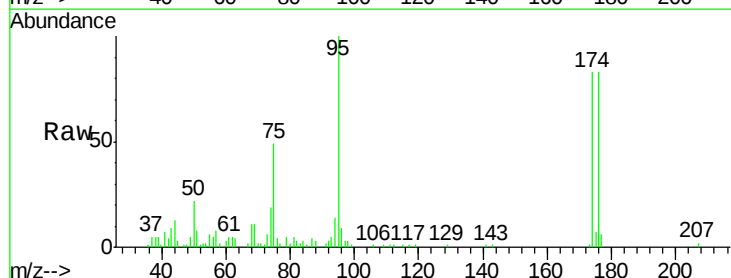
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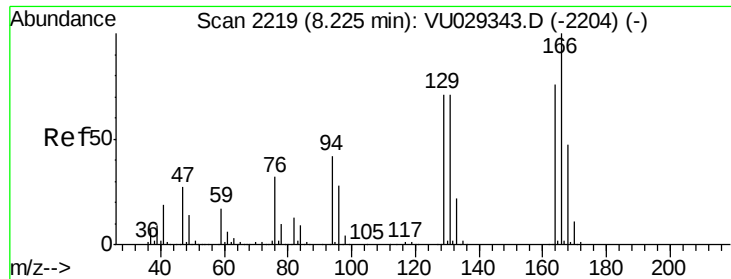
sam
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#57
 4-Bromofluorobenzene
 Concen: 0.516 ug/l
 RT: 10.31 min Scan# 2867
 Delta R.T. 0.00 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.0	64.2	96.2
176	83.5	62.3	93.5





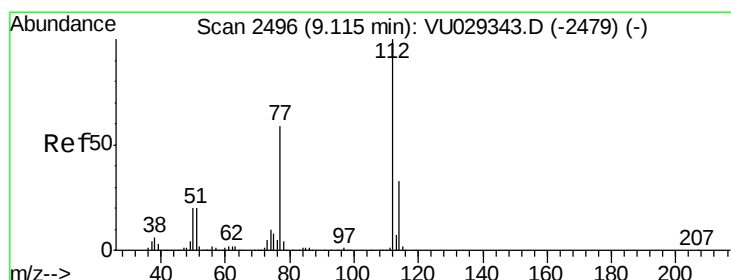
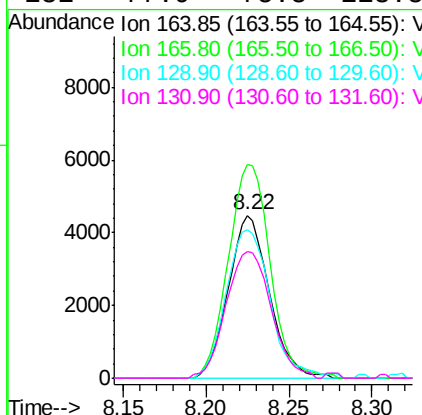
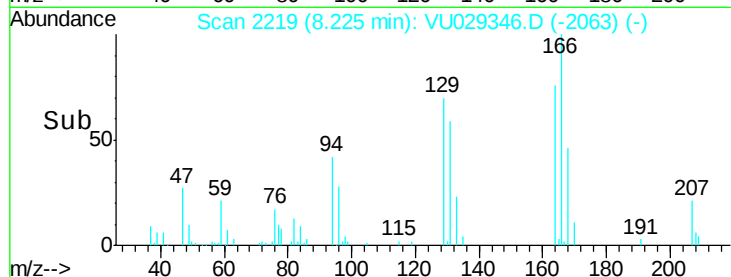
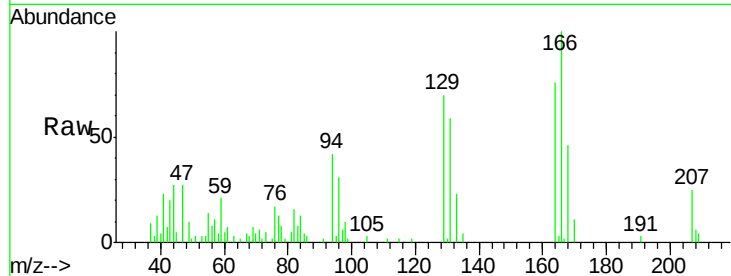
#58
 Tetrachloroethene
 Concen: 0.489 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	164	Resp:	7720
Ion	Ratio	Lower	Upper
164	100		
166	131.0	106.6	159.8
129	91.1	79.9	119.9
131	77.9	75.8	113.8

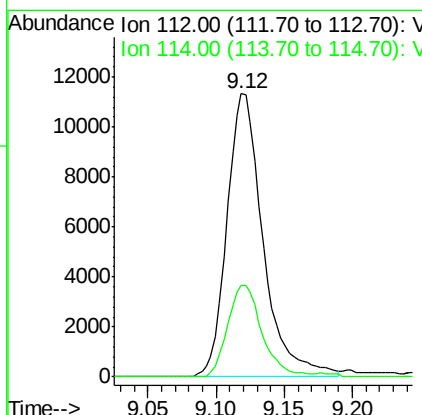
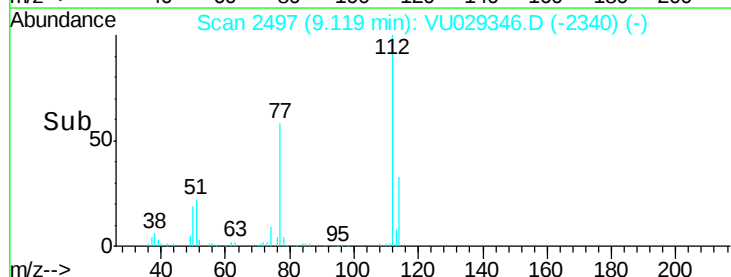
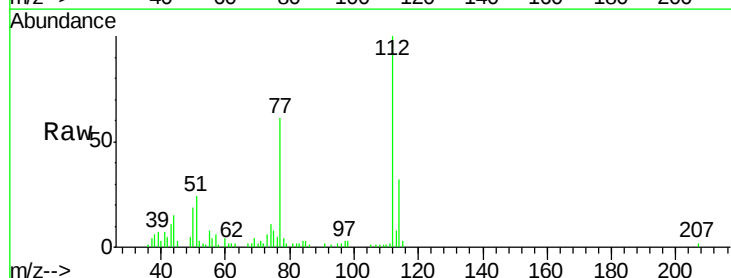
Manual Integrations
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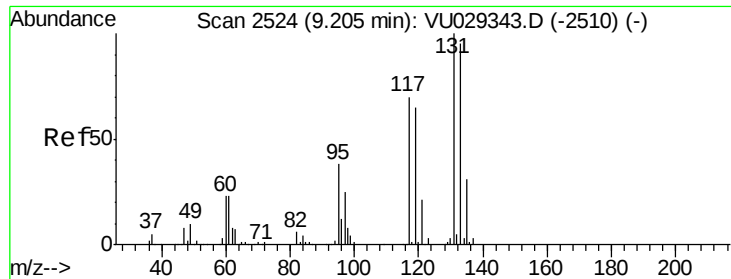
sam
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#59
 Chlorobenzene
 Concen: 0.490 ug/l
 RT: 9.12 min Scan# 2497
 Delta R.T. 0.00 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Tgt Ion:	112	Resp:	20882
Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.2	39.4





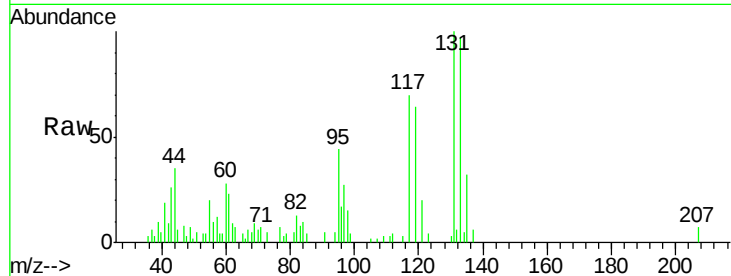
#60
1,1,1,2-Tetrachloroethane
Concen: 0.477 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

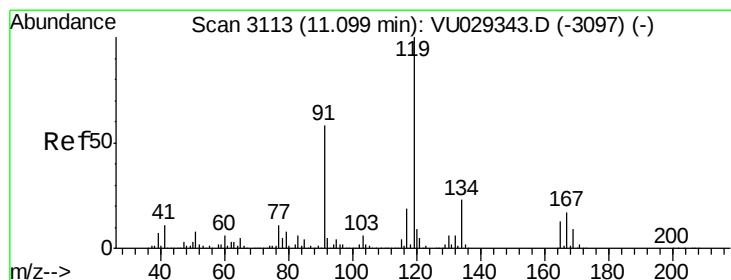
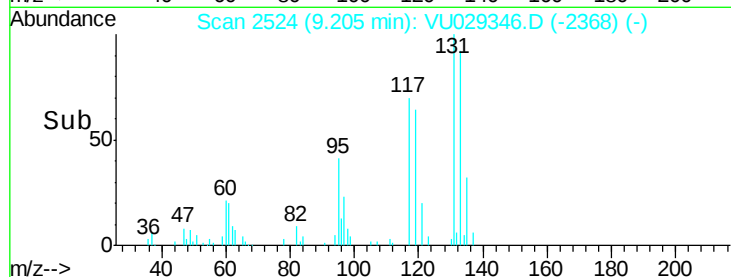
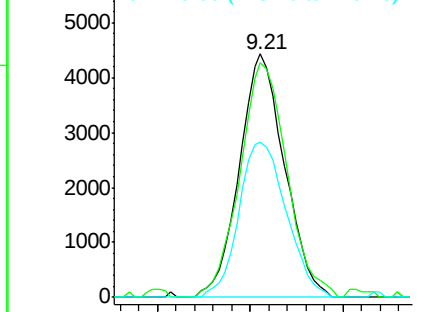
Tot Ion	Ratio	Lower	Upper
131	100		
133	100.4	77.3	115.9
119	67.0	48.9	73.3

Manual Integrations
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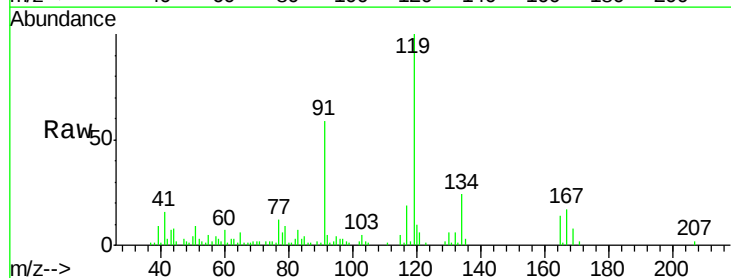


Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

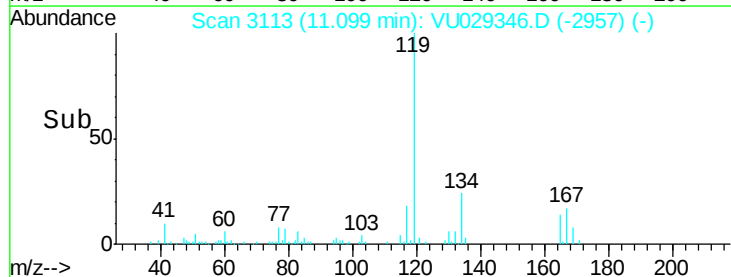
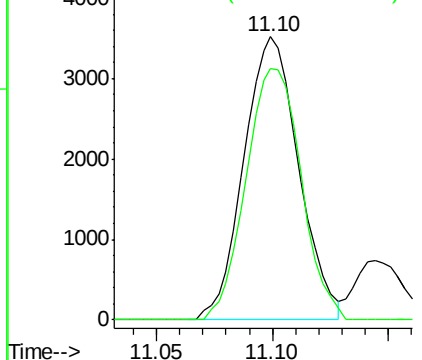


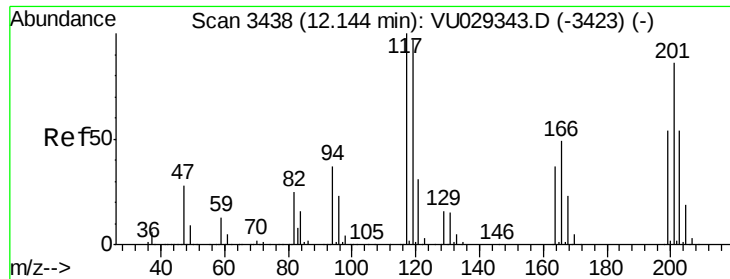
#61
Pentachloroethane
Concen: 0.474 ug/l
RT: 11.10 min Scan# 3113
Delta R.T. 0.00 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Tgt Ion	Ratio	Lower	Upper
117	100		
167	89.3	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: 0.459 ug/l

RT: 12.14 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:117 Resp: 6121

Ion Ratio Lower Upper

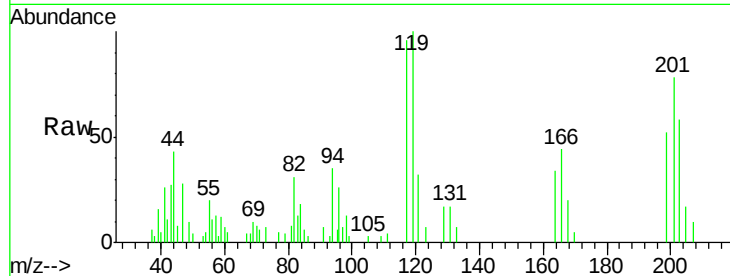
117 100

201 82.6 68.2 102.2

Manual Integrations
APPROVED

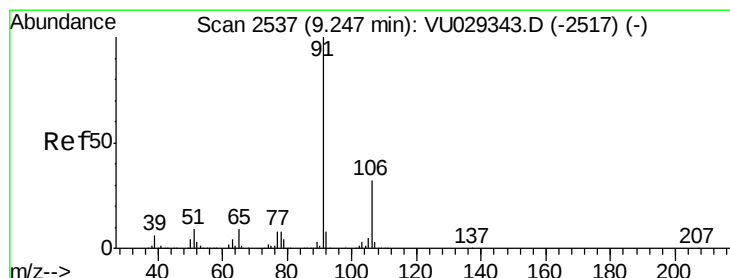
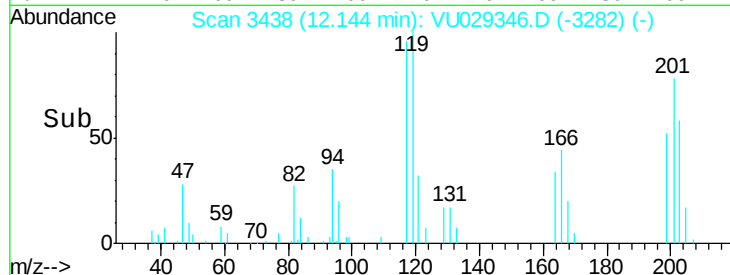
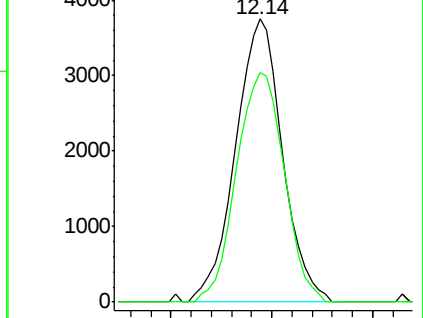
sam

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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: 0.484 ug/l

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU029346.D

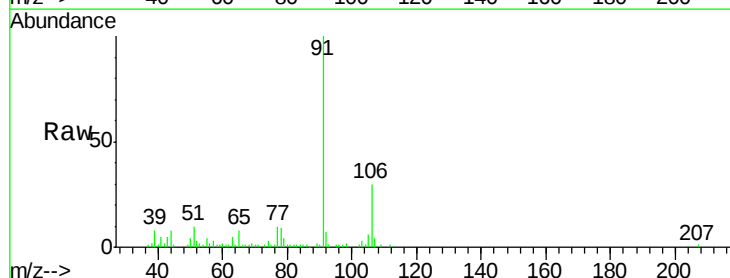
Acq: 05 Feb 2019 14:24

Tgt Ion: 91 Resp: 35859

Ion Ratio Lower Upper

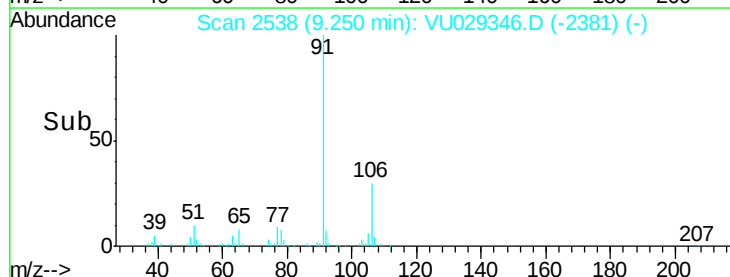
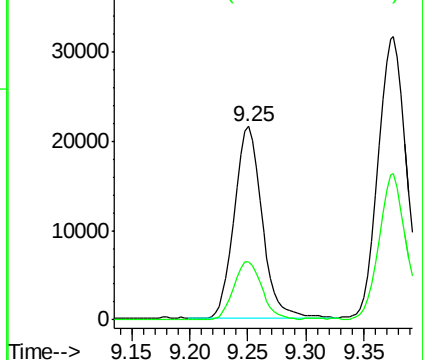
91 100

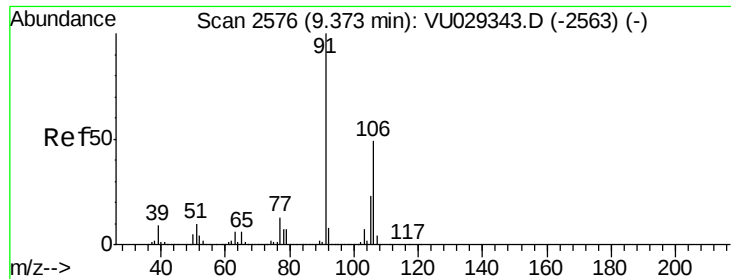
106 30.0 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#64

m/p-Xylenes

Concen: 0.936 ug/l

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:106 Resp: 26920

Ion Ratio Lower Upper

106 100

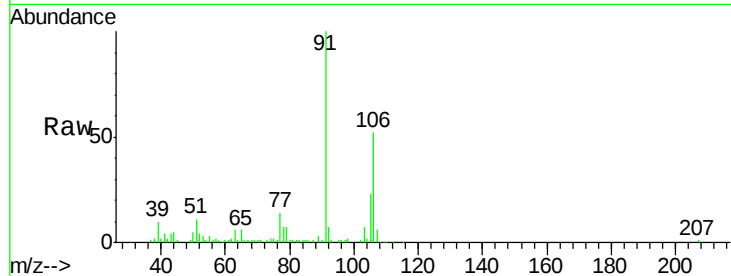
91 202.7 174.6 261.8

Manual Integrations

APPROVED

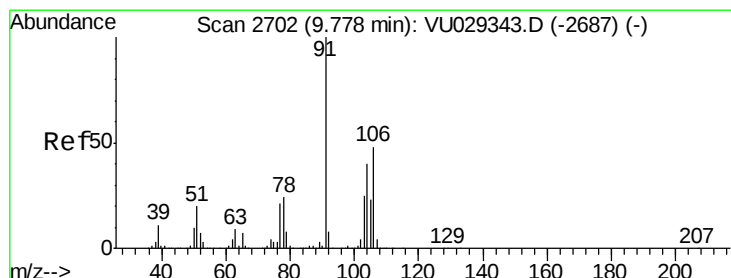
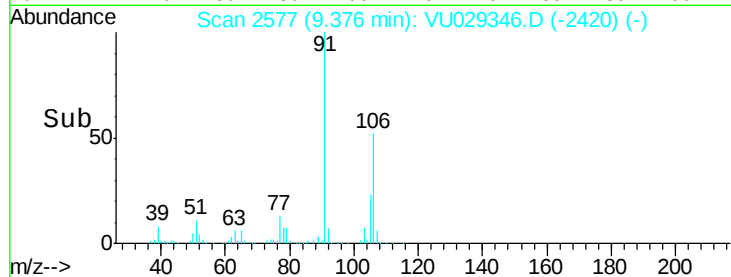
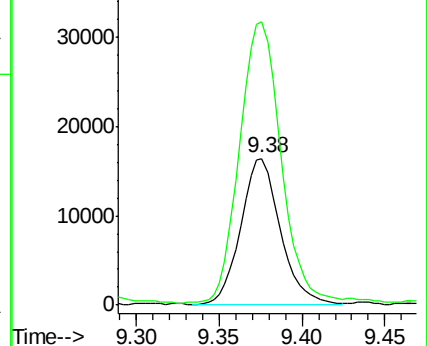
sam

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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: 0.485 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029346.D

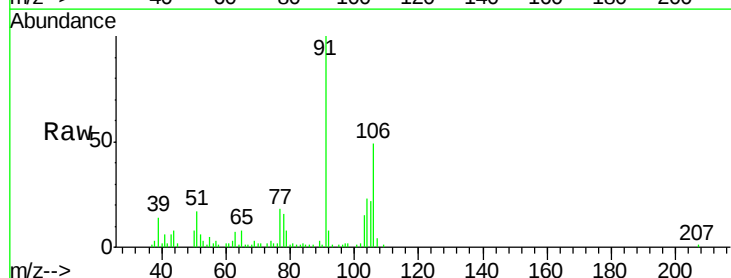
Acq: 05 Feb 2019 14:24

Tgt Ion:106 Resp: 13699

Ion Ratio Lower Upper

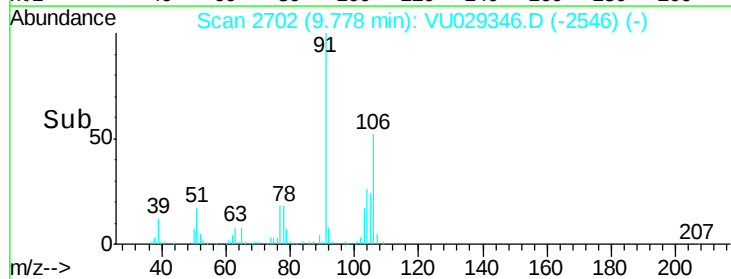
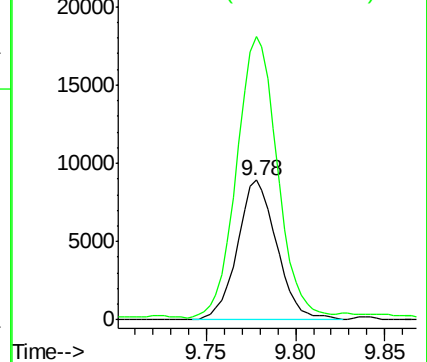
106 100

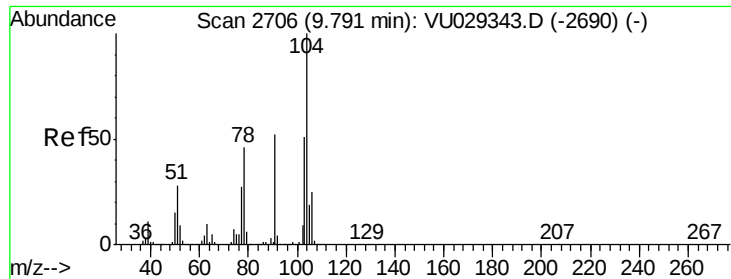
91 206.9 114.5 343.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





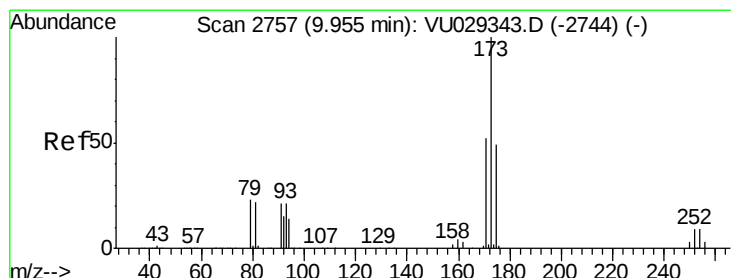
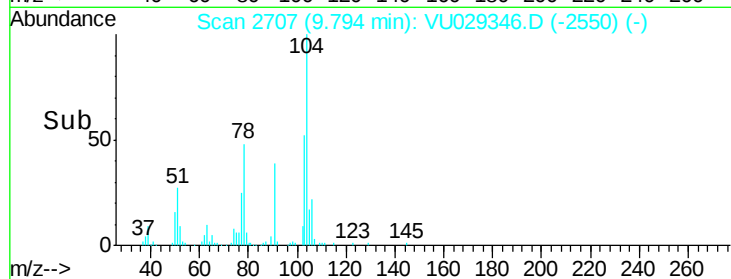
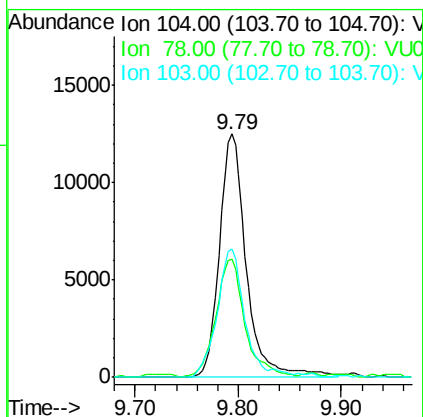
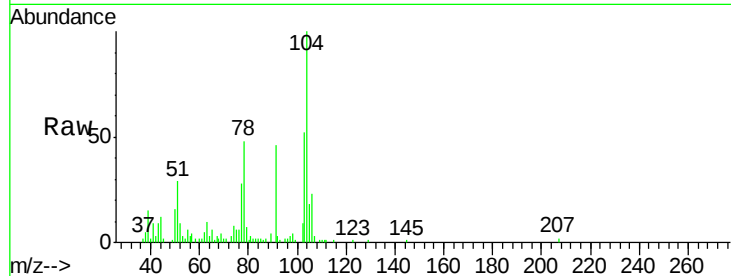
#66
Stvrene
Concen: 0.483 ug/l
RT: 9.79 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.5	46.5	69.7
103	53.8	44.7	67.1

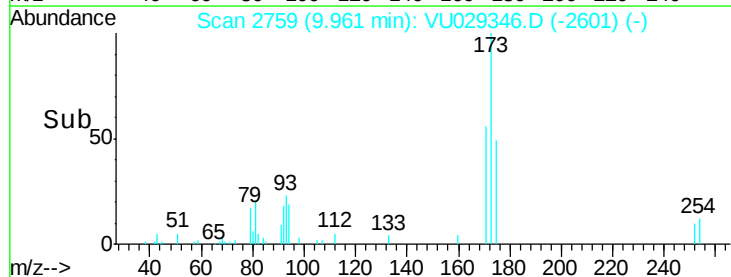
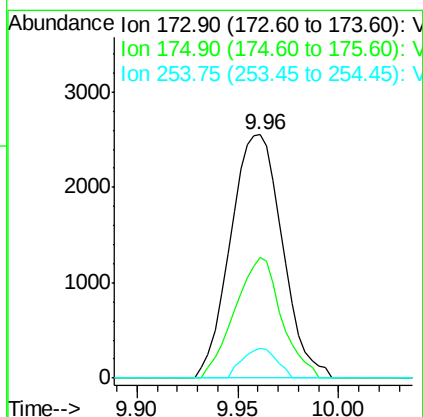
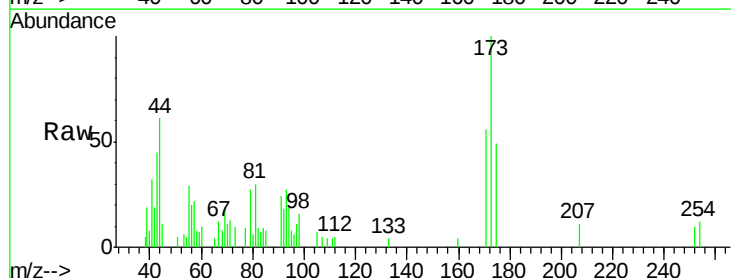
Manual Integrations
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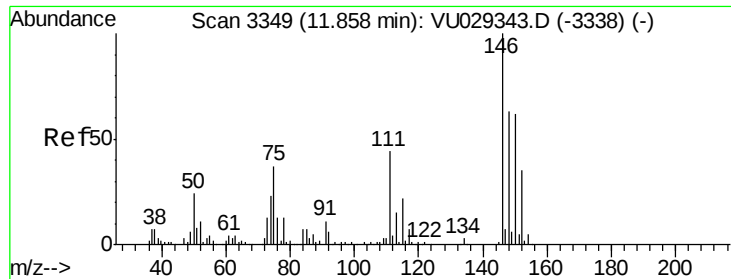
sam
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#67
Bromoform
Concen: 0.478 ug/l
RT: 9.96 min Scan# 2759
Delta R.T. 0.01 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Tgt Ion	Ratio	Lower	Upper
173	100		
175	44.5	38.9	58.3
254	8.2	7.4	11.2





#68

1,2-Dichlorobenzene-d4

Concen: 0.478 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:152 Resp: 20775

Ion Ratio Lower Upper

152 100

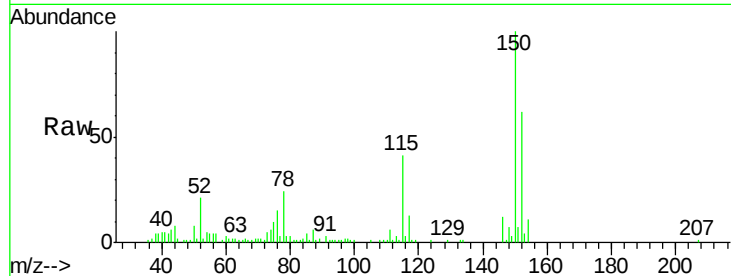
115 69.5 0.0 133.4

150 166.7 0.0 670.8

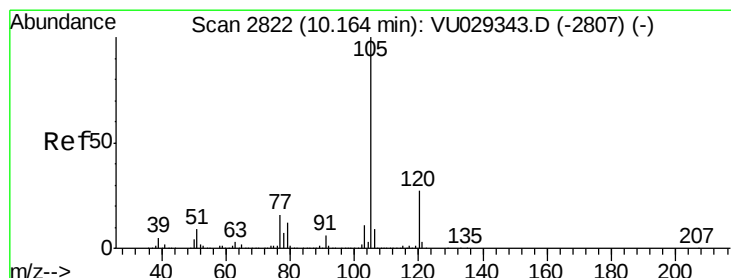
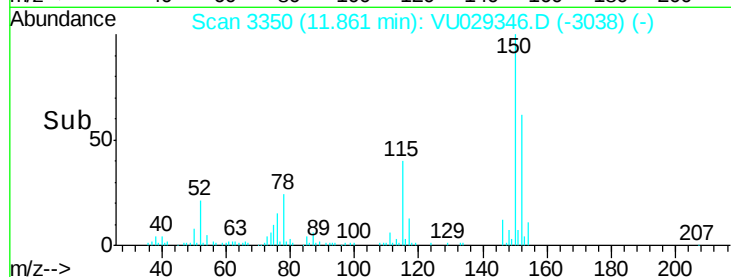
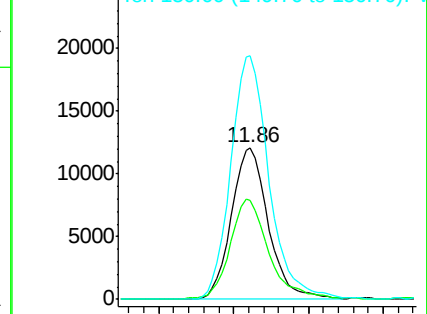
Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#69

Isopropylbenzene

Concen: 0.454 ug/l

RT: 10.17 min Scan# 2823

Delta R.T. 0.00 min

Lab File: VU029346.D

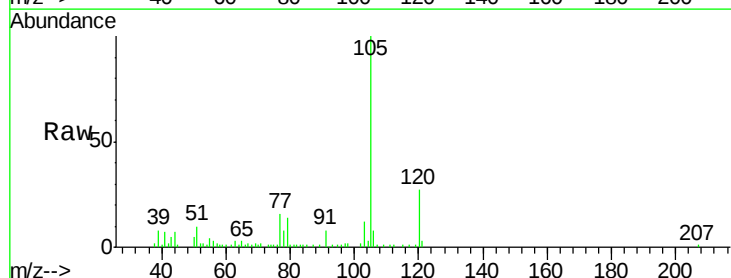
Acq: 05 Feb 2019 14:24

Tgt Ion:105 Resp: 34256

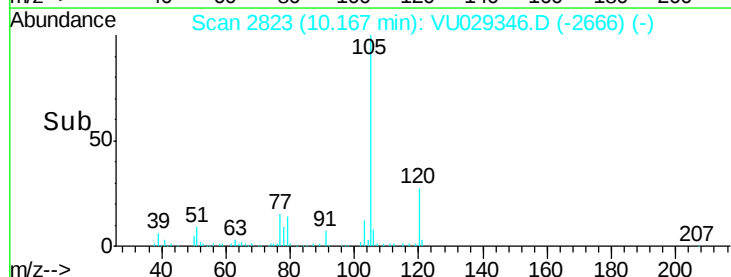
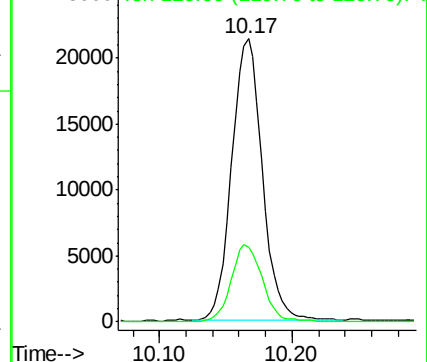
Ion Ratio Lower Upper

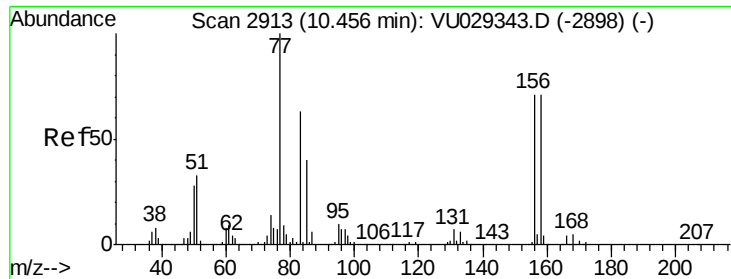
105 100

120 28.0 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: 0.478 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Instrument :

MSVOA_U

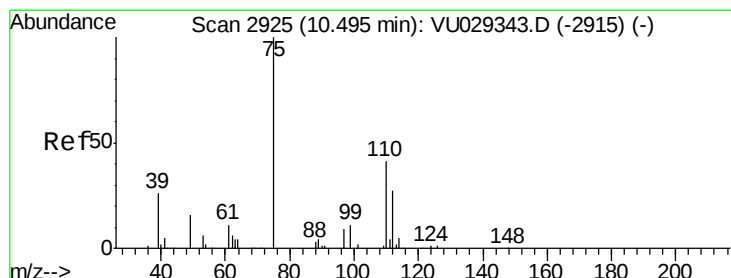
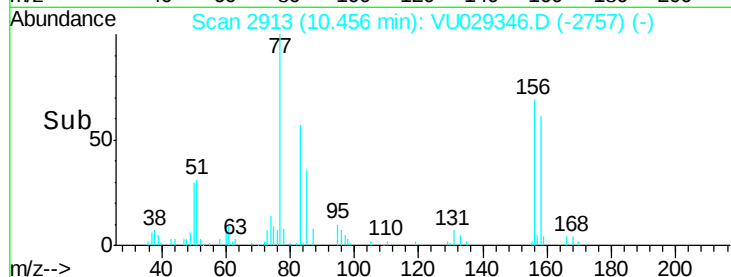
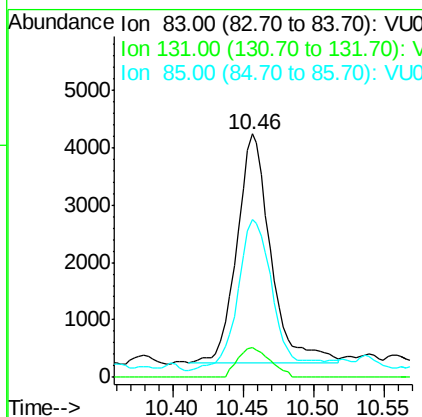
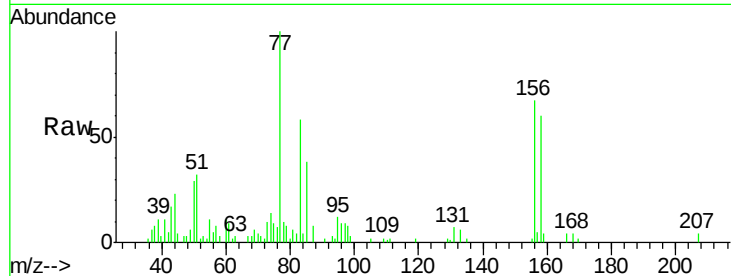
ClientSampleId :

VSTDIC0.5

Tot Ion	83	Resp	6646
Ion	Ratio	Lower	Upper
83	100		
131	12.6	8.1	12.1#
85	67.6	50.3	75.5

Manual Integrations
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#71

1,2,3-Trichloropropane

Concen: 0.449 ug/l m

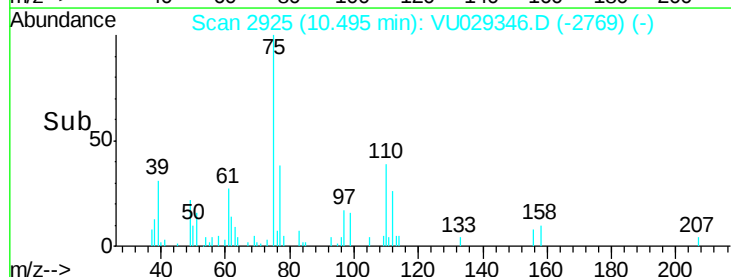
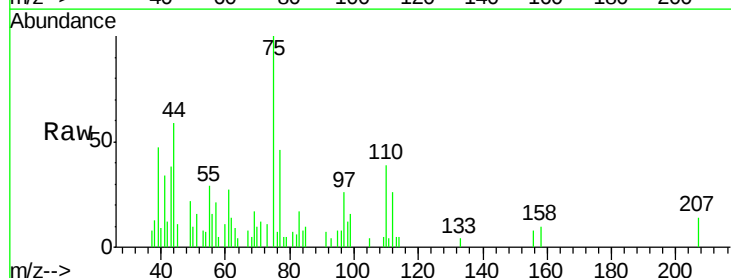
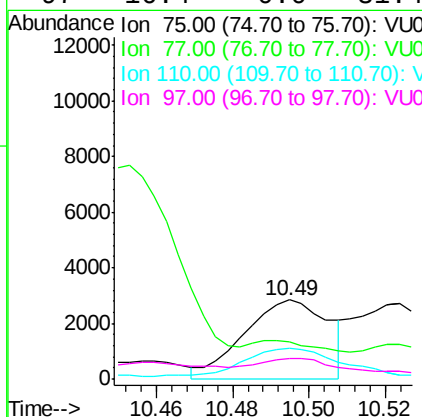
RT: 10.49 min Scan# 2925

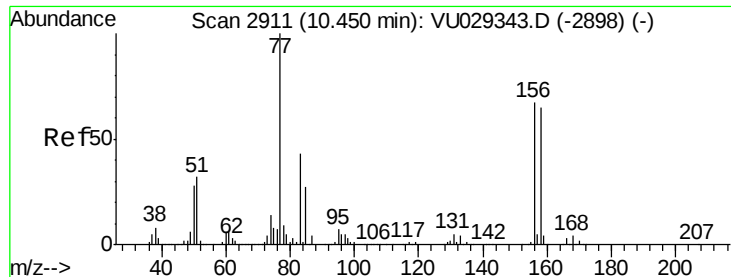
Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Tgt Ion	75	Resp	4376
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	49.0	0.0	63.6
97	16.4	0.0	31.4





#72

Bromobenzene

Concen: 0.479 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Instrument :

MSVOA_U

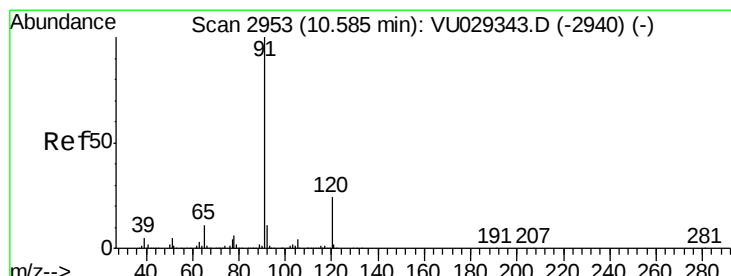
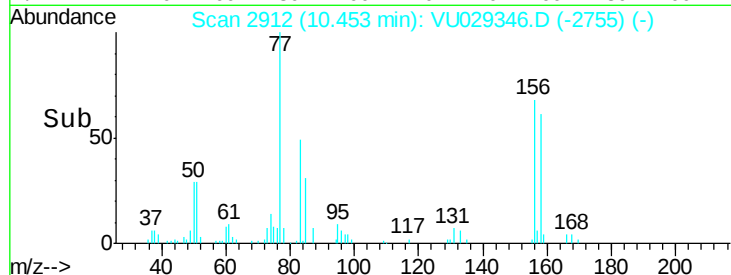
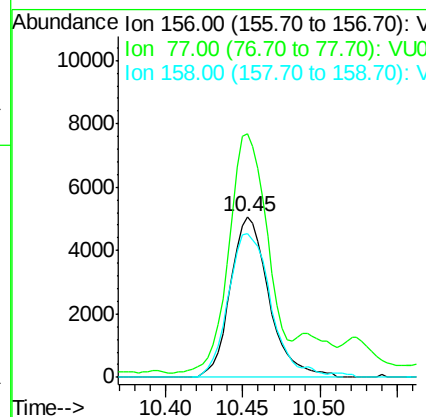
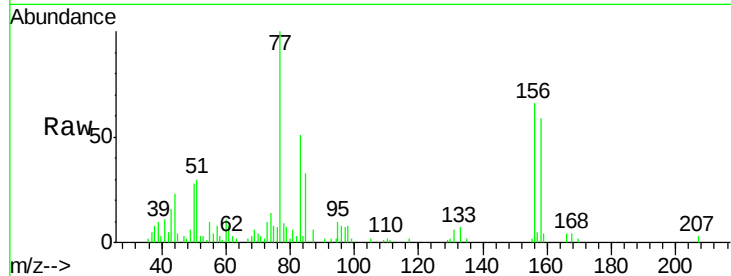
ClientSampleId :

VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		8770		
77	149.5	0.0	343.8		
158	98.7	0.0	195.0		

Manual Integrations
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#73

n-propylbenzene

Concen: 0.451 ug/l

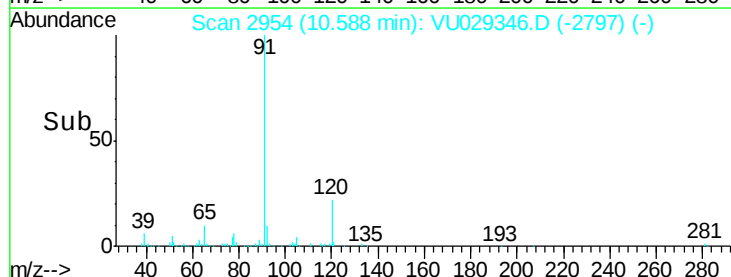
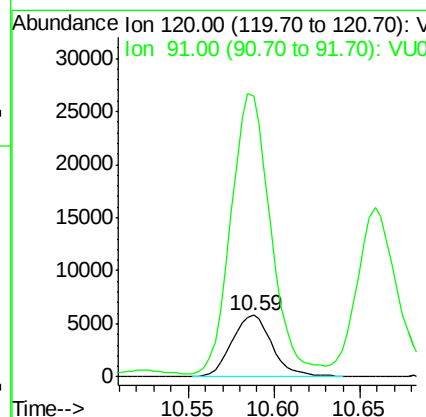
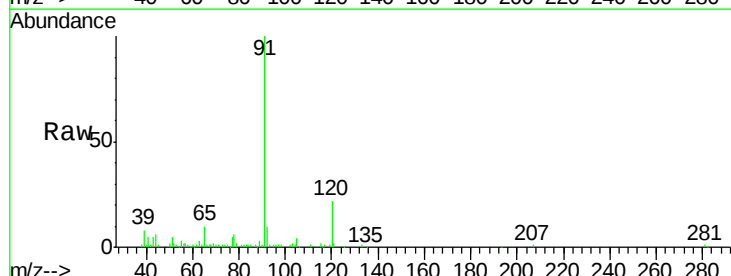
RT: 10.59 min Scan# 2954

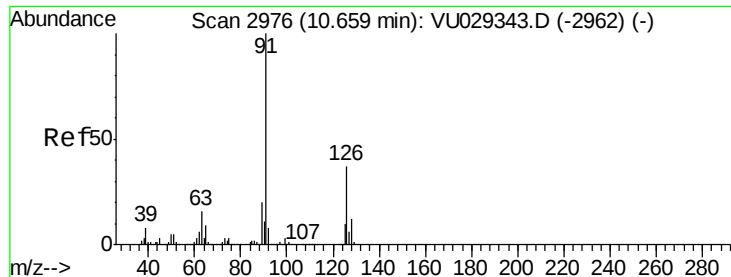
Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
120	100		9477		
91	447.5	370.0	555.0		





#74

2-Chlorotoluene

Concen: 0.474 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:126 Resp: 8480

Ion Ratio Lower Upper

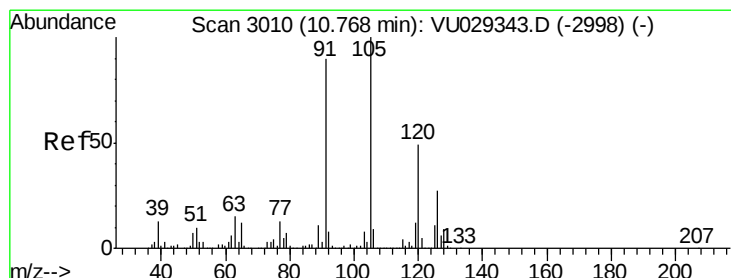
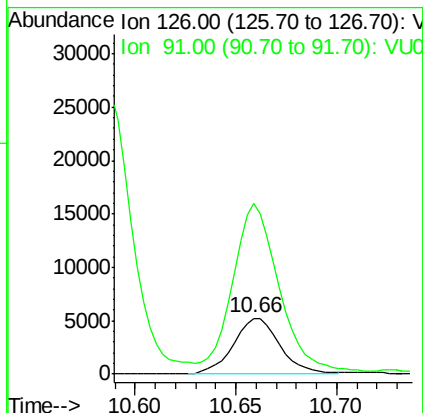
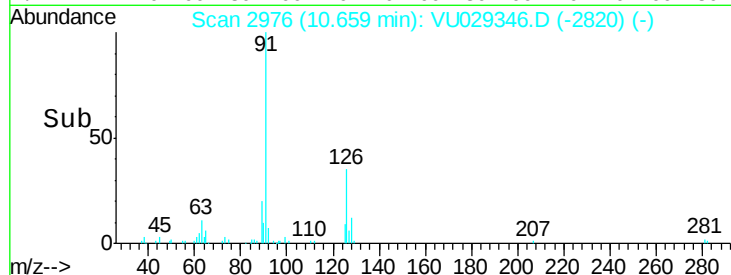
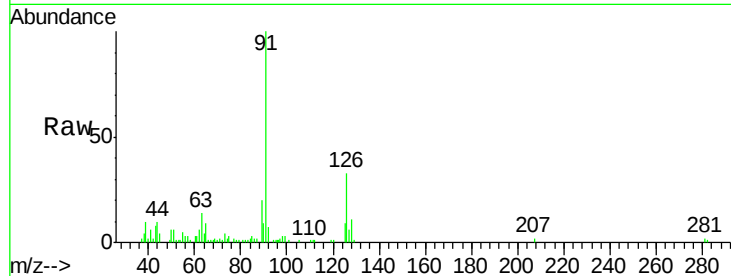
126 100

91 294.5 0.0 643.0

Manual Integrations
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#75

1,3,5-Trimethylbenzene

Concen: 0.473 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029346.D

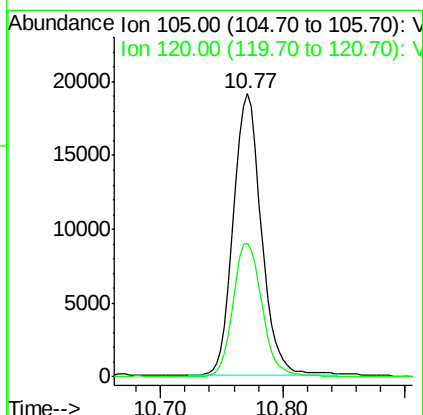
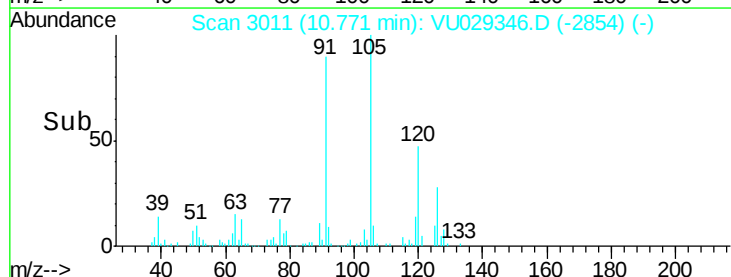
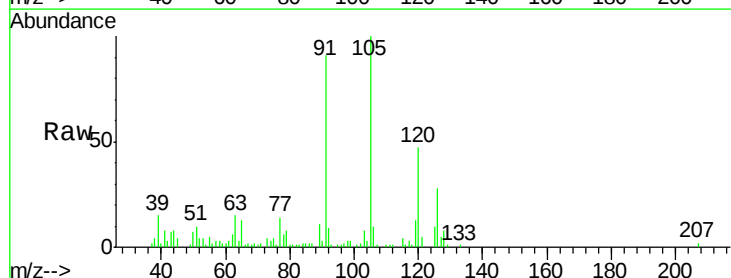
Acq: 05 Feb 2019 14:24

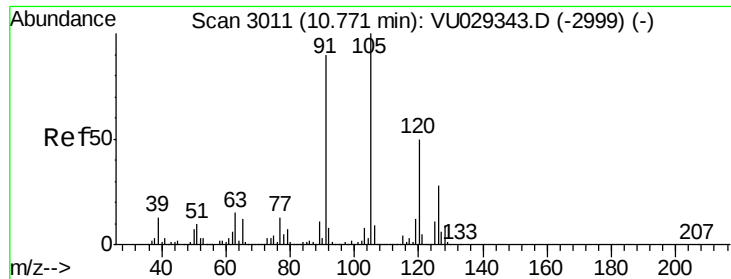
Tgt Ion:105 Resp: 30743

Ion Ratio Lower Upper

105 100

120 48.7 37.3 55.9





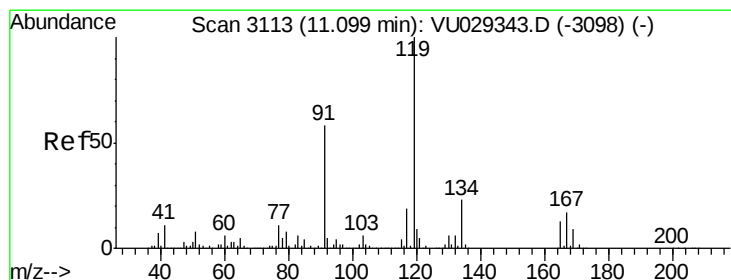
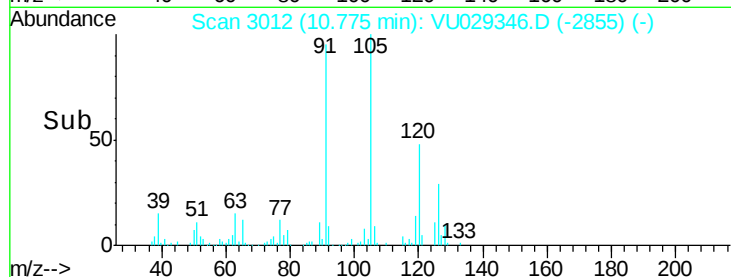
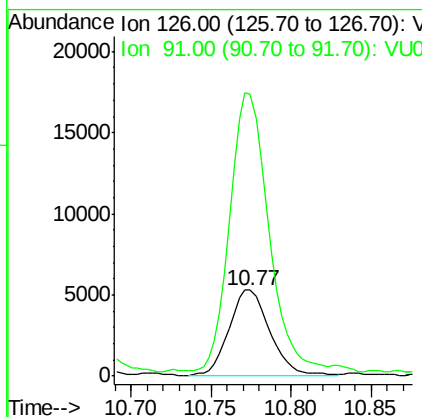
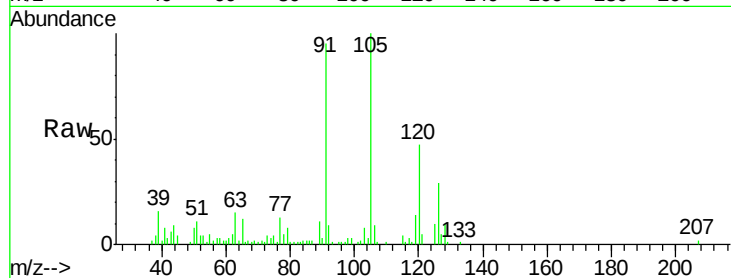
#76
4-Chlorotoluene
Concen: 0.503 ug/l
RT: 10.77 min Scan# 3012
Delta R.T. 0.00 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion:126 Resp: 9349
Ion Ratio Lower Upper
126 100
91 301.1 0.0 727.4

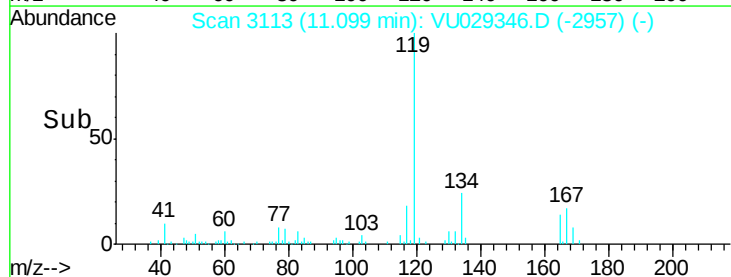
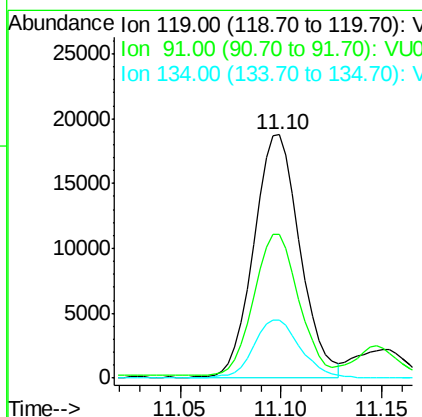
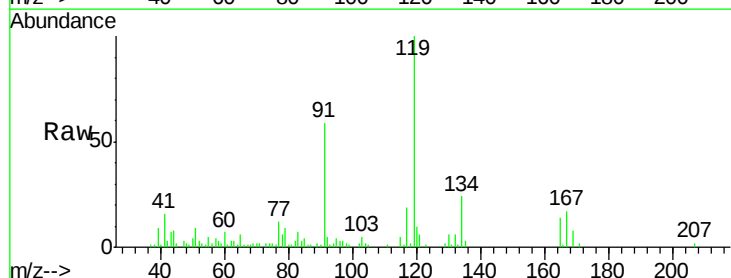
Manual Integrations
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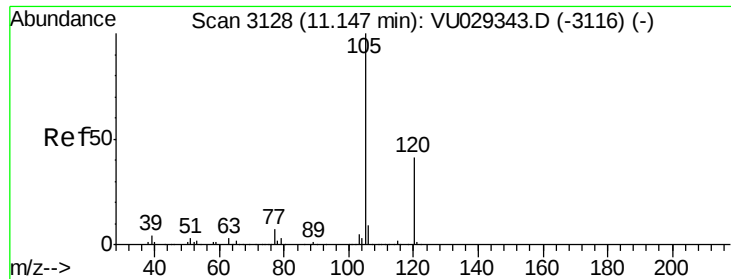
sam
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#77
tert-Butylbenzene
Concen: 0.469 ug/l
RT: 11.10 min Scan# 3113
Delta R.T. 0.00 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Tgt Ion:119 Resp: 30139
Ion Ratio Lower Upper
119 100
91 56.2 32.2 96.6
134 24.1 17.6 26.4





#78

1,2,4-Trimethylbenzene

Concen: 0.469 ug/l

RT: 11.15 min Scan# 3128

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 30912

Ion Ratio Lower Upper

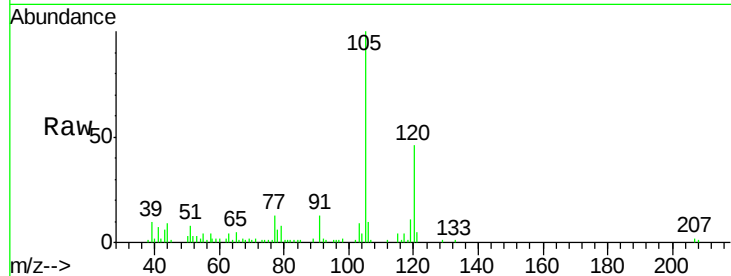
105 100

120 47.6 21.4 64.3

Manual Integrations
APPROVED

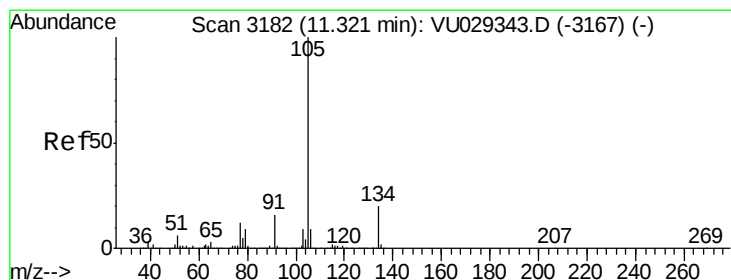
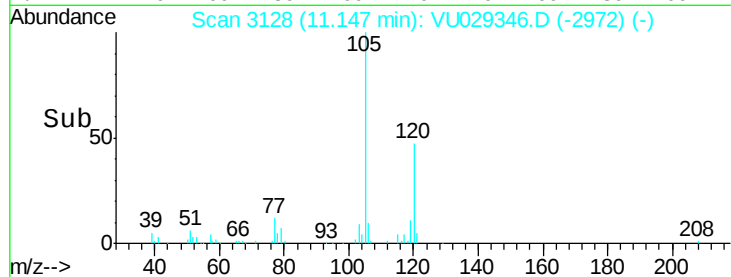
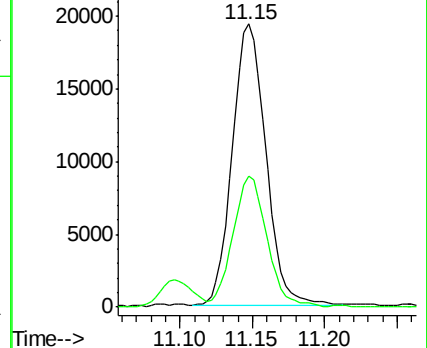
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#79

sec-Butylbenzene

Concen: 0.458 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU029346.D

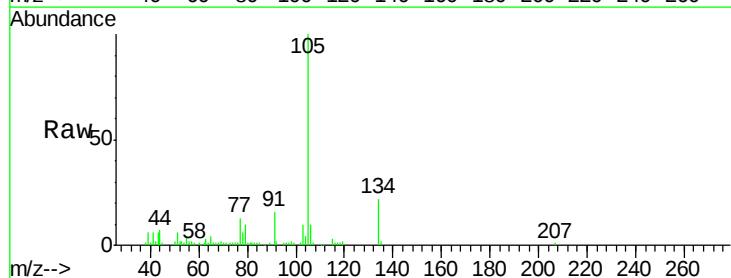
Acq: 05 Feb 2019 14:24

Tgt Ion:105 Resp: 38573

Ion Ratio Lower Upper

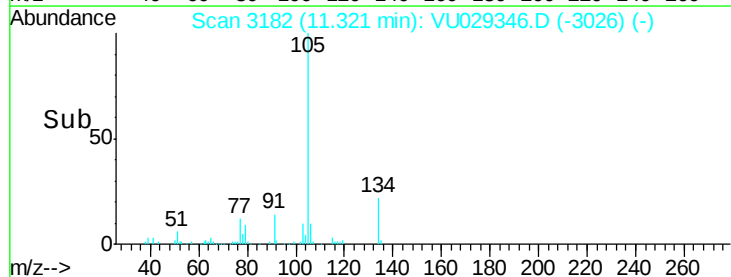
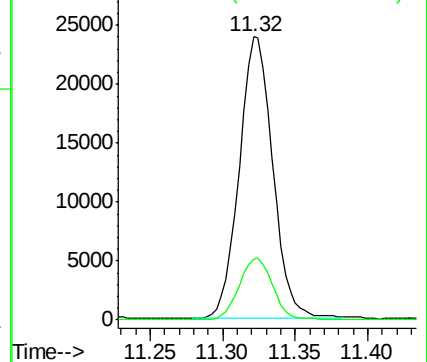
105 100

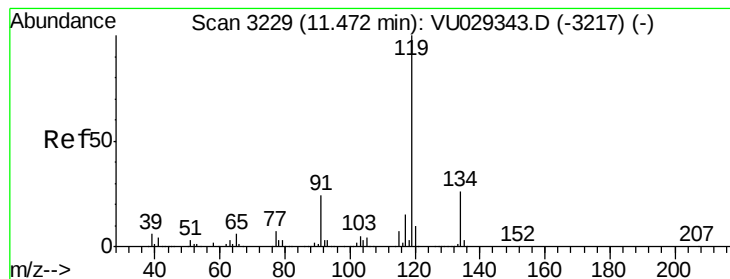
134 21.7 15.0 22.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#81

p-Isopropyltoluene

Concen: 0.469 ug/l

RT: 11.48 min Scan# 3230

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Instrument :

MSVOA_U

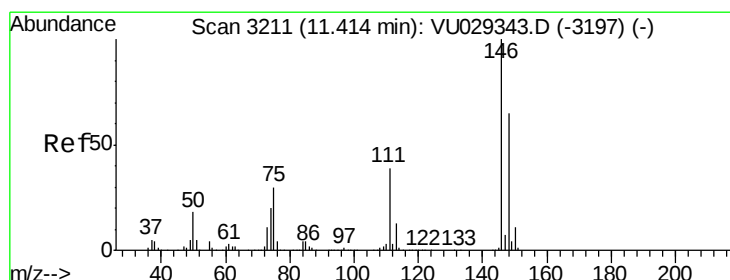
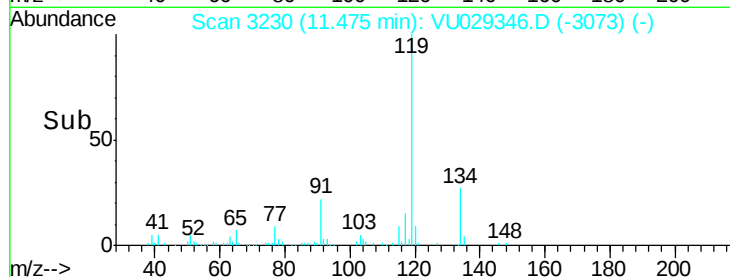
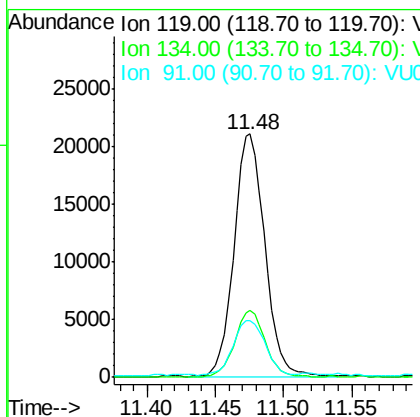
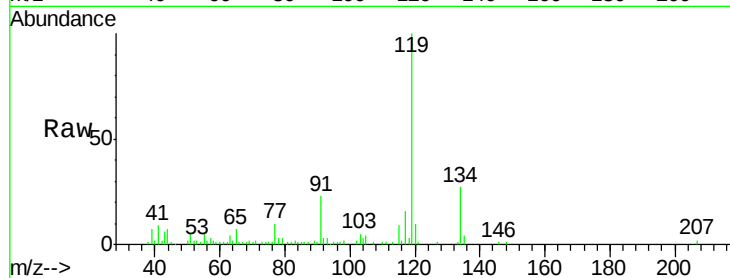
ClientSampled :

VSTDIC0.5

Tot Ion:	119	Resp:	33436
Ion Ratio	Lower	Upper	
119	100		
134	27.1	19.8	29.6
91	22.9	21.5	32.3

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#82

1,3-Dichlorobenzene

Concen: 0.476 ug/l

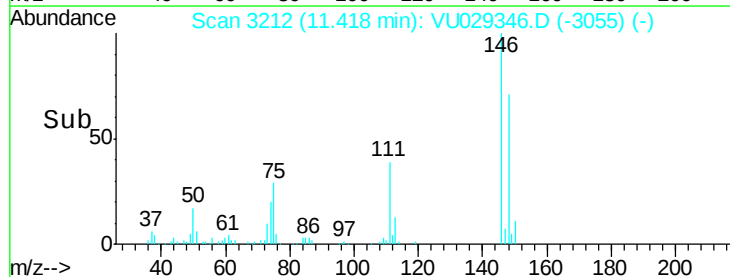
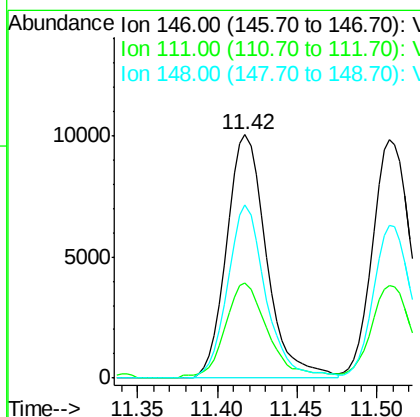
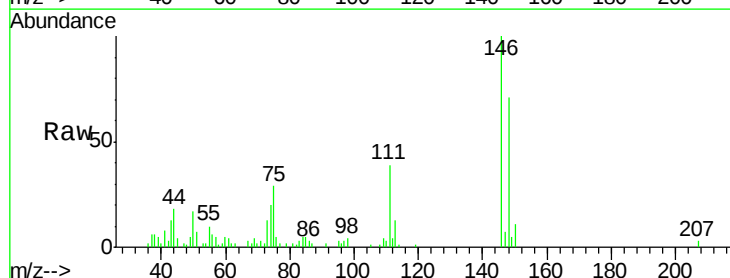
RT: 11.42 min Scan# 3212

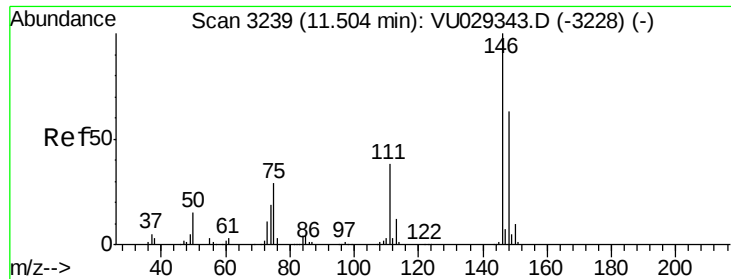
Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Tgt Ion:	146	Resp:	17085
Ion Ratio	Lower	Upper	
146	100		
111	42.4	34.1	51.1
148	67.6	52.3	78.5





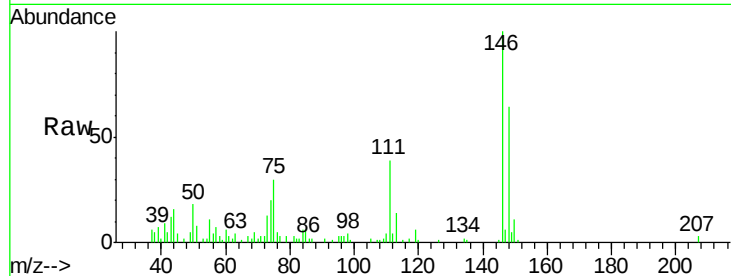
#83
 1,4-Dichlorobenzene
 Concen: 0.490 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

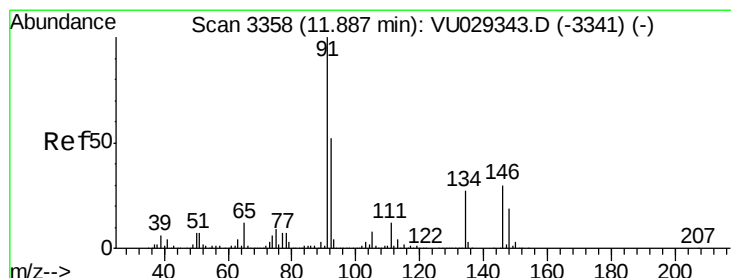
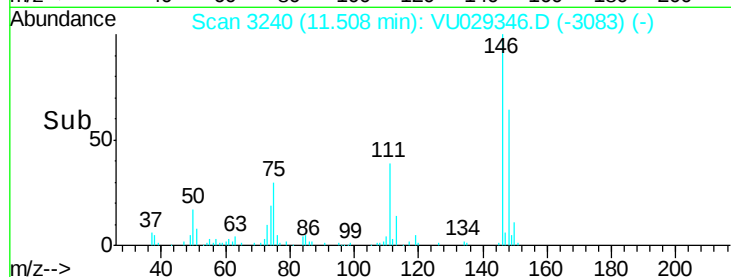
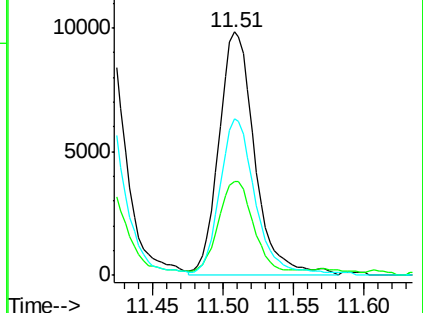
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	32.9	49.3
148	61.0	51.8	77.6

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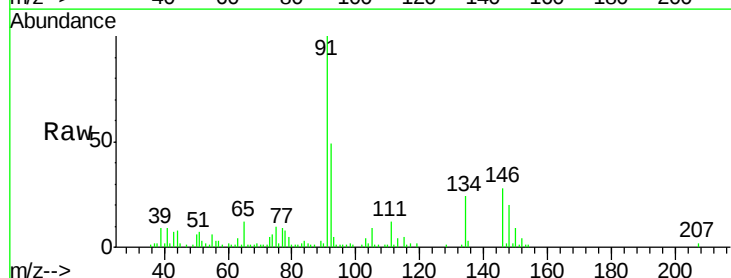


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

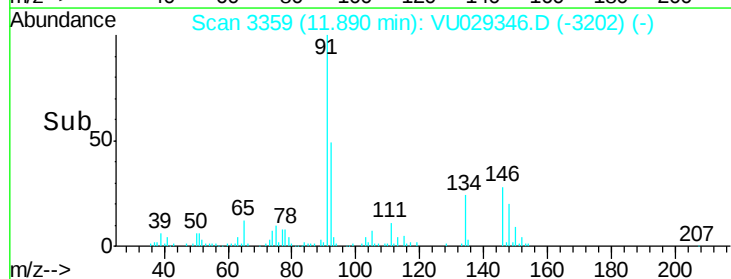
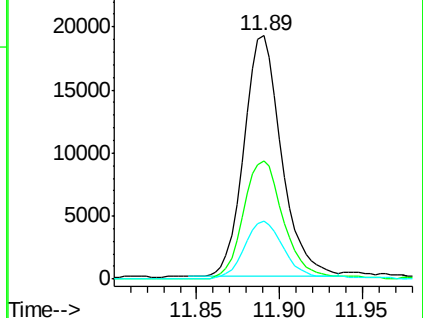


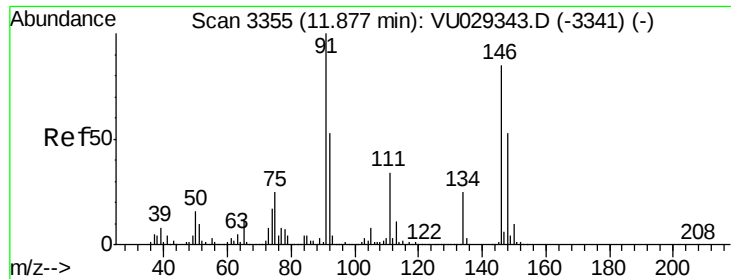
#84
 n-Butylbenzene
 Concen: 0.462 ug/l
 RT: 11.89 min Scan# 3359
 Delta R.T. 0.00 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	41.0	61.6
134	26.5	19.1	28.7



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 0.488 ug/l

RT: 11.88 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Instrument :

MSVOA_U

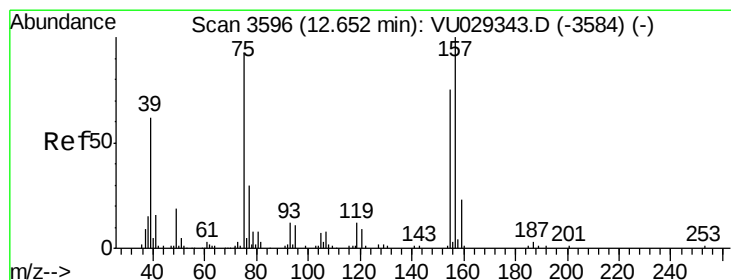
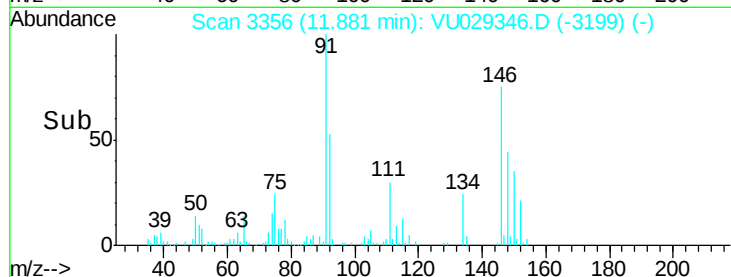
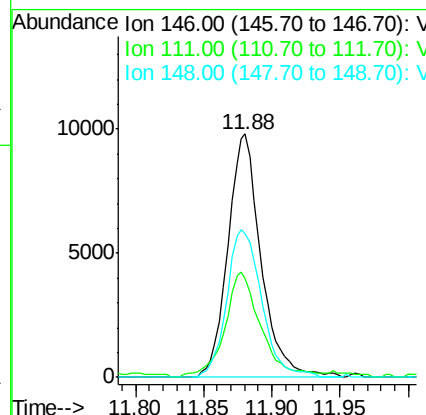
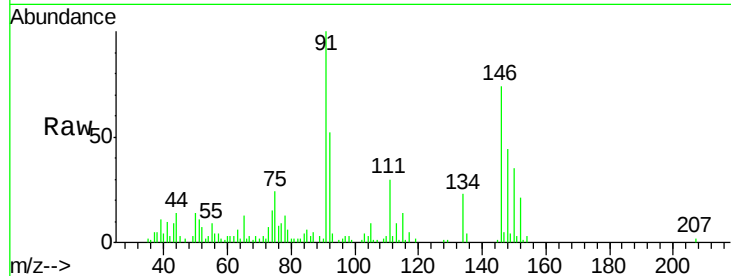
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	16575
Ion Ratio	Lower	Upper	
146	100		
111	47.2	21.9	65.8
148	63.9	31.8	95.3

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#86

1,2-Dibromo-3-Chloropropane

Concen: 0.477 ug/l

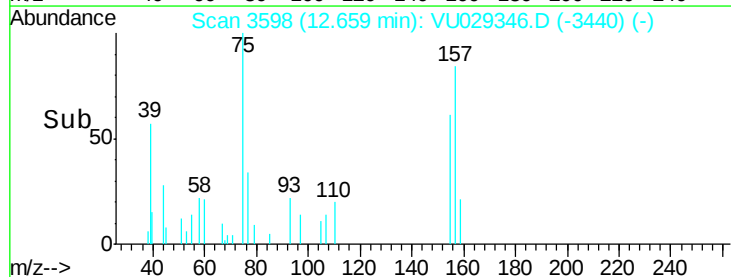
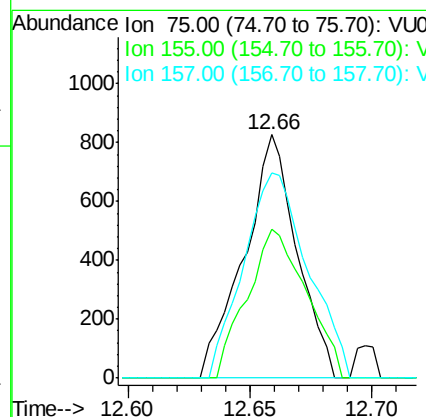
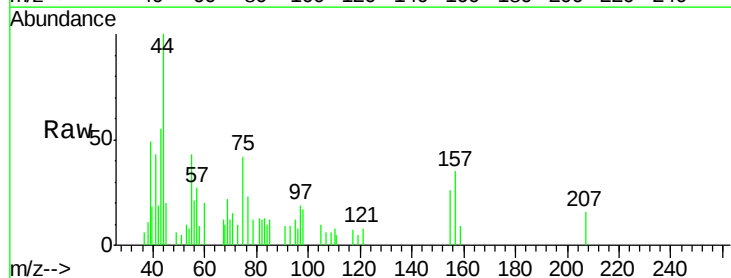
RT: 12.66 min Scan# 3598

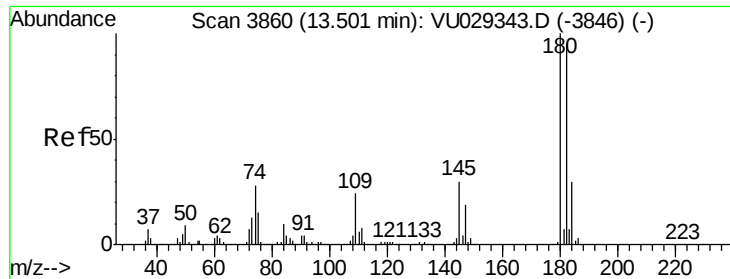
Delta R.T. 0.01 min

Lab File: VU029346.D

Acq: 05 Feb 2019 14:24

Tgt Ion:	75	Resp:	1238
Ion Ratio	Lower	Upper	
75	100		
155	68.5	53.8	80.8
157	102.8	69.2	103.8





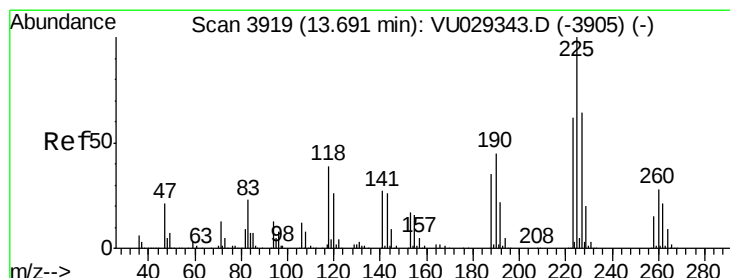
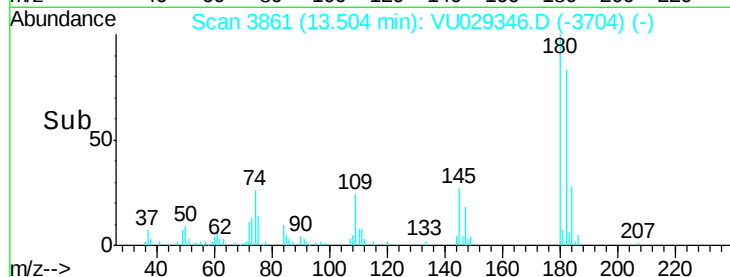
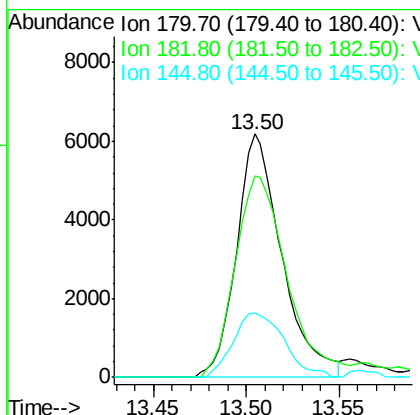
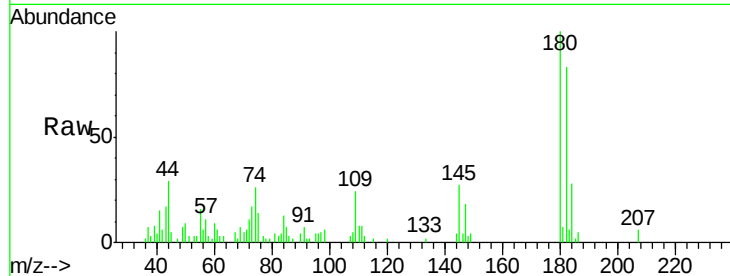
#87
 1,2,4-Trichlorobenzene
 Concen: 0.441 ug/l
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.6	114.8
145	29.9	24.6	36.8

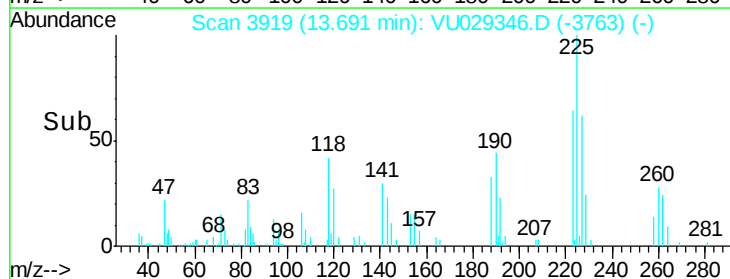
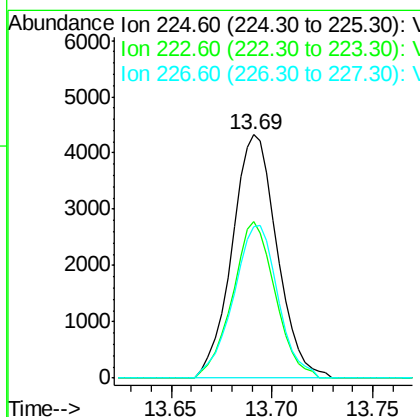
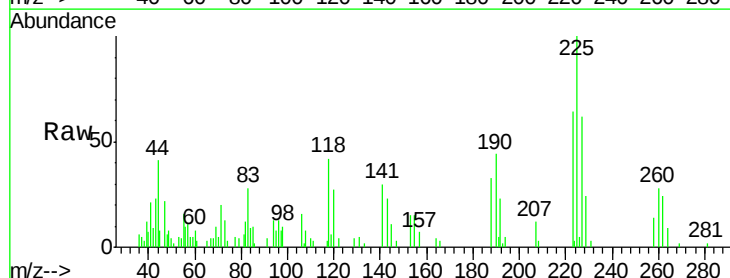
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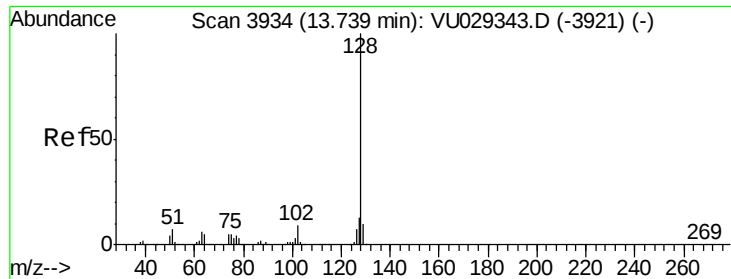
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#88
 Hexachlorobutadiene
 Concen: 0.488 ug/l
 RT: 13.69 min Scan# 3919
 Delta R.T. 0.00 min
 Lab File: VU029346.D
 Acq: 05 Feb 2019 14:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	49.5	74.3
227	62.1	50.4	75.6





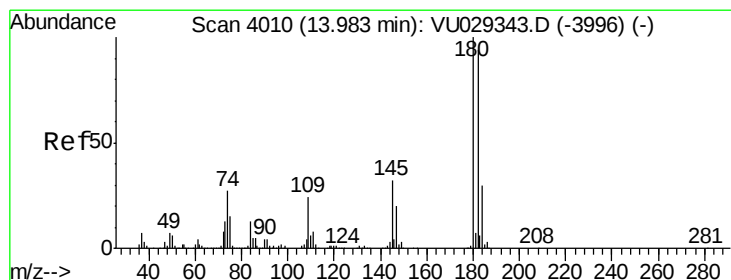
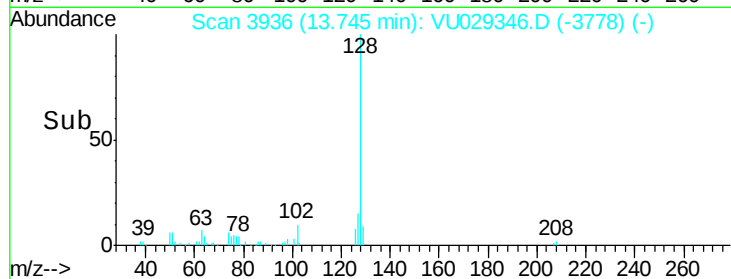
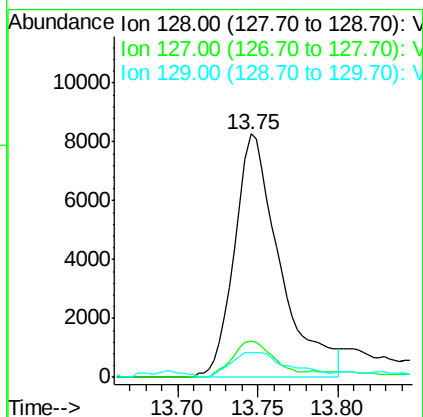
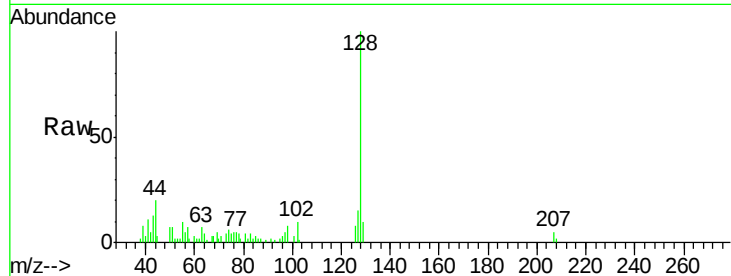
#89
Naphthalene
Concen: 0.398 ug/l
RT: 13.75 min Scan# 3936
Delta R.T. 0.01 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.7	16.1
129	13.1	8.2	12.4

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#90
1,2,3-Trichlorobenzene
Concen: 0.479 ug/l
RT: 13.99 min Scan# 4012
Delta R.T. 0.01 min
Lab File: VU029346.D
Acq: 05 Feb 2019 14:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.0	78.0	117.0
145	31.5	26.6	39.8

