

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U020519\
 Data File : VU029342.D
 Acq On : 05 Feb 2019 12:10
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 2/8/2019 2:26:20 PM

Quant Time: Feb 08 10:39:43 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	56678	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	22690	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	22537	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	104287	4.930	ug/l	98
3) Chloromethane	1.33	50	92103	4.765	ug/l	99
4) Vinyl Chloride	1.40	62	111322	4.913	ug/l	100
5) Bromomethane	1.63	94	56199	4.459	ug/l	95
6) Chloroethane	1.70	64	65127	4.920	ug/l	98
7) Trichlorofluoromethane	1.88	101	157202	4.968	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	80797	4.836	ug/l	90
9) 1,1-Dichloroethene	2.28	96	79930	4.888	ug/l	77
10) Iodomethane	2.41	142	113779	5.424	ug/l #	79
11) Allyl Chloride	2.59	41	135715	4.950	ug/l	90
12) Acrylonitrile	2.94	53	34948	9.537	ug/l	96
13) Acetone	2.32	43	86663	24.656	ug/l #	84
14) Carbon Disulfide	2.48	76	284607	4.930	ug/l	100
15) Methylene Chloride	2.70	84	89506	4.515	ug/l #	81
16) trans-1,2-Dichloroethene	2.98	96	86942	4.760	ug/l	85
17) 1,1-Dichloroethane	3.44	63	159015	5.488	ug/l	97
18) 2-Butanone	4.28	43	103229	26.151	ug/l	99
19) Cyclohexane	4.99	56	125775m	4.924	ug/l	
20) Methylcyclohexane	6.41	83	139153	4.932	ug/l	88
21) 2,2-Dichloropropane	4.22	77	130762	4.876	ug/l	94
22) cis-1,2-Dichloroethene	4.22	96	85921	4.988	ug/l	83
23) Diethyl Ether	2.10	59	63968	4.872	ug/l	91
24) tert-Butyl Alcohol	2.83	59	64628	47.365	ug/l	97
25) Methyl tert-Butyl Ether	3.00	73	229048	4.975	ug/l #	88
26) Bromochloromethane	4.54	128	38218	5.023	ug/l	78
27) Chloroform	4.67	83	140717	4.994	ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	128217	4.909	ug/l	97
29) 1,1-Dichloropropene	5.13	75	110543	4.876	ug/l	94
30) Carbon Tetrachloride	5.13	117	119270	5.044	ug/l	99
31) Isopropyl Ether	3.58	45	219502	5.021	ug/l	90
32) Ethyl-t-butyl ether	4.07	59	218953	4.998	ug/l	93
33) Tert-Amyl methyl ether	5.58	73	199721	5.041	ug/l	98
34) Propionitrile	4.33	54	25759	25.875	ug/l	96
35) Benzene	5.39	78	311751	4.972	ug/l	98
36) 1,2-Dichloroethane	5.41	62	94741	4.996	ug/l #	89
37) Trichloroethene	6.18	130	88501	4.919	ug/l	88
38) 1,2-Dichloropropane	6.43	63	80097	4.911	ug/l	99
39) Methacrylonitrile	4.55	41	25043	4.713	ug/l #	90
40) Methyl acrylate	4.43	55	39201	4.887	ug/l #	92
41) Tetrahydrofuran	4.65	42	26652	9.597	ug/l #	87
42) 1-Chlorobutane	5.06	56	148516	4.889	ug/l	91

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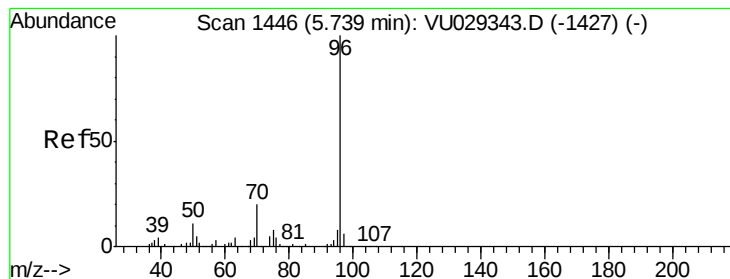
Manual Integrations
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Quant Time: Feb 08 10:39:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:20:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	41888	4.819	ug/l	94
44) Bromodichloromethane	6.76	83	111009	5.012	ug/l	95
45) 4-Methyl-2-Pentanone	7.46	43	259088	25.429	ug/l #	92
46) t-1,4-Dichloro-2-butene	10.52	75	49206m	9.950	ug/l	
47) Methyl methacrylate	6.62	69	79820	10.438	ug/l #	79
48) Ethyl methacrylate	8.02	69	83495	5.089	ug/l	84
49) Toluene	7.63	92	200051	4.986	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	110086	5.071	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	129421	5.018	ug/l	91
52) 1,1,2-Trichloroethane	8.06	97	57929	5.034	ug/l	96
53) 1,3-Dichloropropane	8.24	76	100923	4.993	ug/l	100
54) 2-Hexanone	8.36	43	183493	25.692	ug/l	91
55) Dibromochloromethane	8.47	129	80224	4.905	ug/l	99
56) 1,2-Dibromoethane	8.59	107	57779	4.894	ug/l	99
58) Tetrachloroethene	8.22	164	83861	5.009	ug/l	94
59) Chlorobenzene	9.12	112	226342	5.008	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	82662	4.950	ug/l	97
61) Pentachloroethane	11.10	117	63731	4.924	ug/l	88
62) Hexachloroethane	12.14	117	71495	5.061	ug/l	97
63) Ethyl Benzene	9.25	91	391147	4.983	ug/l	96
64) m/p-Xylenes	9.37	106	303631	9.954	ug/l	91
65) o-Xylene	9.78	106	147778	4.936	ug/l	92
66) Styrene	9.79	104	249222	4.993	ug/l	95
67) Bromoform	9.96	173	50259	4.940	ug/l	99
69) Isopropylbenzene	10.16	105	402583	5.033	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.46	83	72778	4.935	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	52422m	5.080	ug/l	
72) Bromobenzene	10.45	156	97606	5.034	ug/l	87
73) n-propylbenzene	10.58	120	112545	5.051	ug/l	83
74) 2-Chlorotoluene	10.66	126	93905	4.950	ug/l	85
75) 1,3,5-Trimethylbenzene	10.77	105	341553	4.953	ug/l	96
76) 4-Chlorotoluene	10.77	126	96729	4.912	ug/l	85
77) tert-Butylbenzene	11.10	119	338889	4.971	ug/l	94
78) 1,2,4-Trimethylbenzene	11.14	105	343287	4.917	ug/l	94
79) sec-Butylbenzene	11.32	105	447013	5.012	ug/l	97
80) Nitrobenzene	12.86	77	16127	24.762	ug/l	91
81) p-Isopropyltoluene	11.47	119	372808	4.931	ug/l	95
82) 1,3-Dichlorobenzene	11.41	146	191094	5.023	ug/l	97
83) 1,4-Dichlorobenzene	11.50	146	187093	4.938	ug/l	97
84) n-Butylbenzene	11.89	91	344055	4.959	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	178232	4.955	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	14067	5.111	ug/l #	78
87) 1,2,4-Trichlorobenzene	13.50	180	129009	5.107	ug/l	99
88) Hexachlorobutadiene	13.69	225	73246	5.006	ug/l	99
89) Naphthalene	13.74	128	227383	5.307	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	115817	5.016	ug/l	99

(#) = 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: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 56678

Ion Ratio Lower Upper

96 100

70 19.2 16.2 24.2

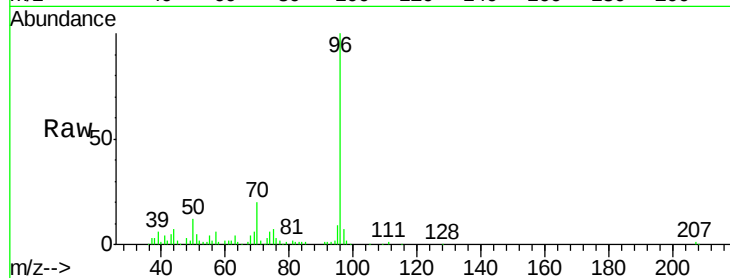
95 9.7 7.4 11.2

97 5.8 0.0 0.0#

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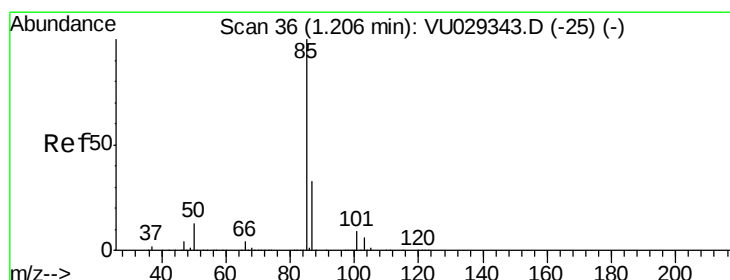
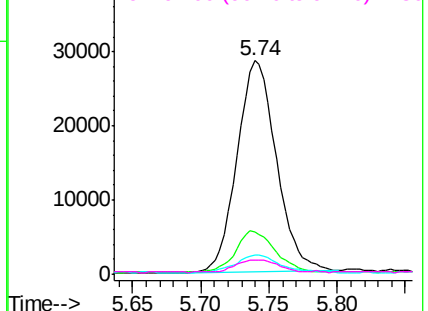
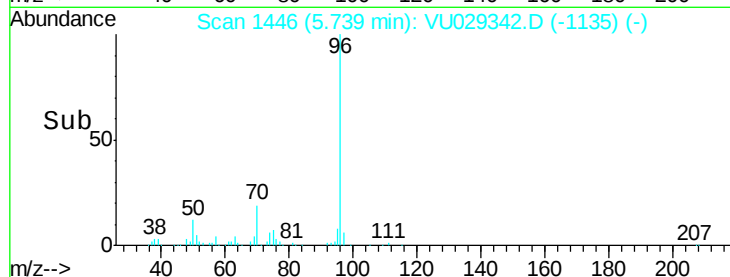


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 4.930 ug/l

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029342.D

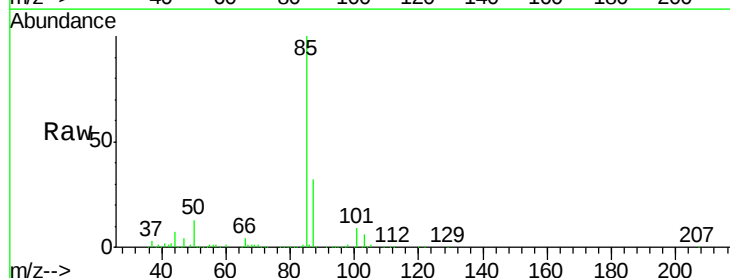
Acq: 05 Feb 2019 12:10

Tgt Ion: 85 Resp: 104287

Ion Ratio Lower Upper

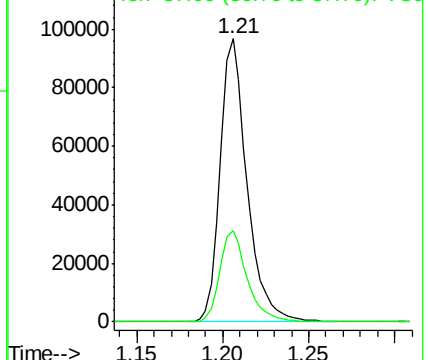
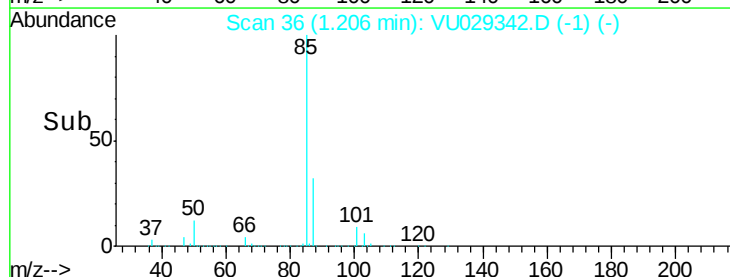
85 100

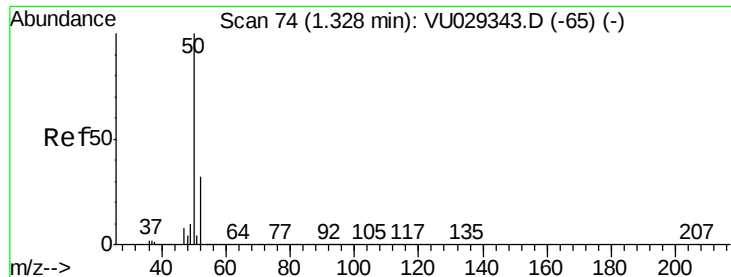
87 32.6 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 4.765 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 92103

Ion Ratio Lower Upper

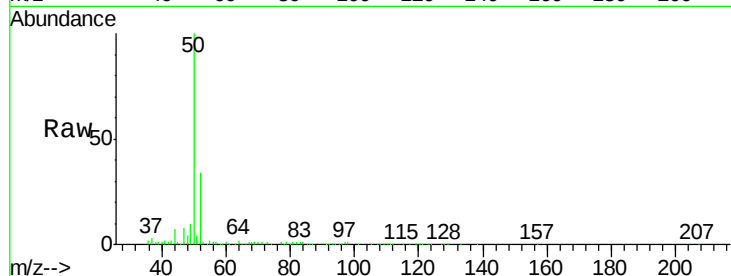
50 100

52 33.5 27.3 40.9

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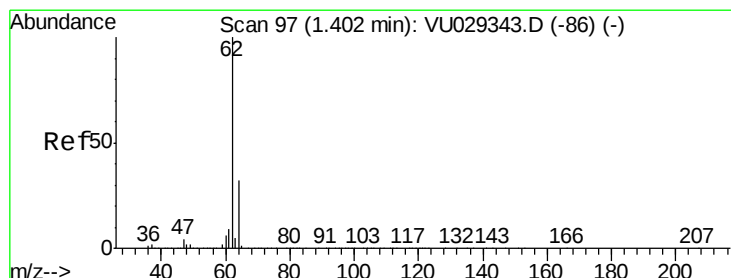
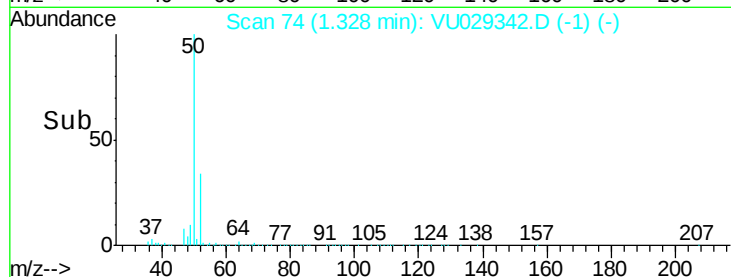
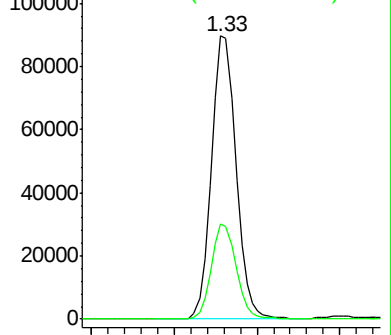
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 4.913 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029342.D

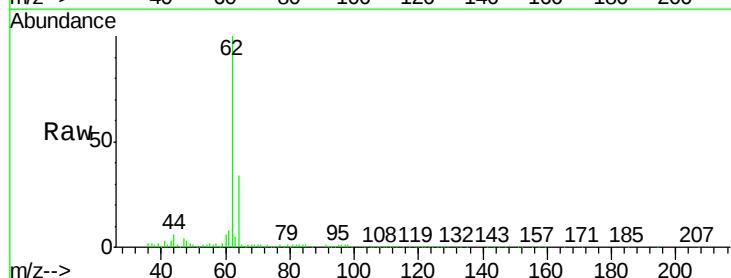
Acq: 05 Feb 2019 12:10

Tgt Ion: 62 Resp: 111322

Ion Ratio Lower Upper

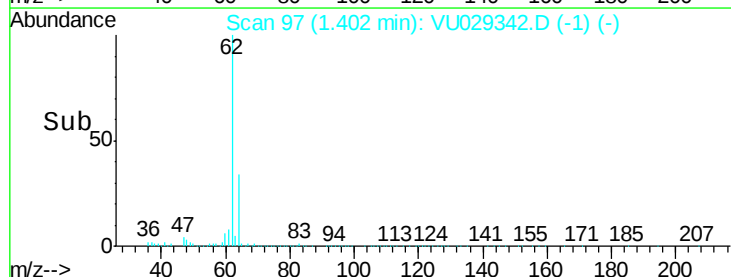
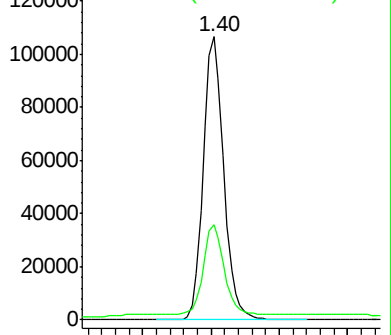
62 100

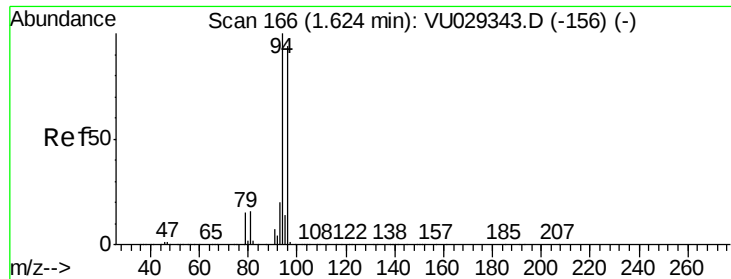
64 31.8 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 4.459 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 56199

Ion Ratio Lower Upper

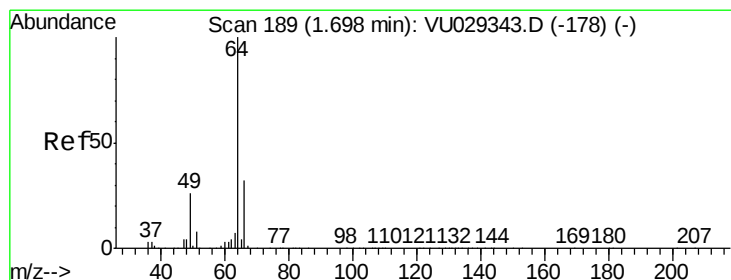
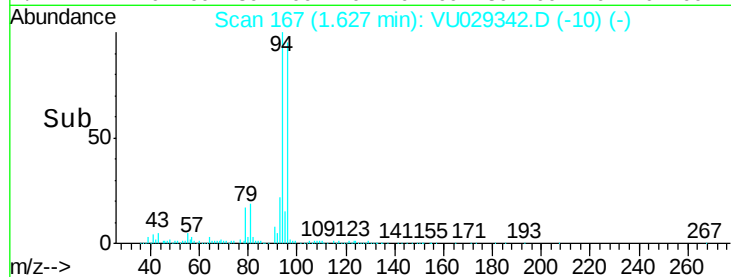
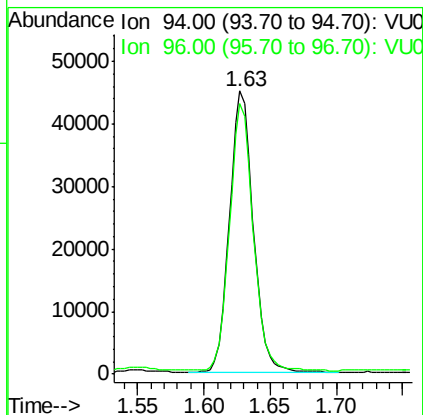
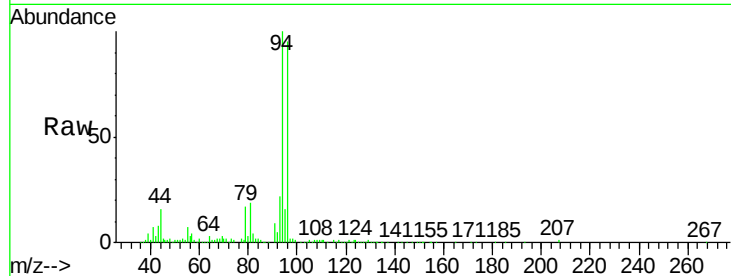
94 100

96 94.7 71.7 107.5

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#6

Chloroethane

Concen: 4.920 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029342.D

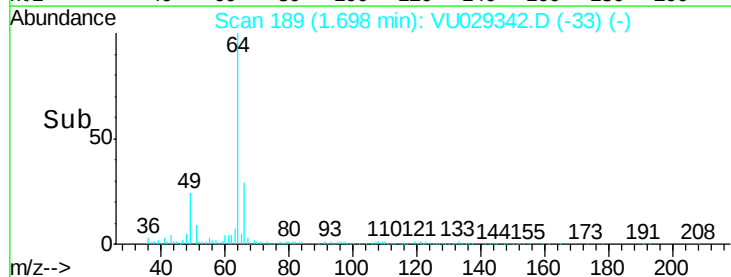
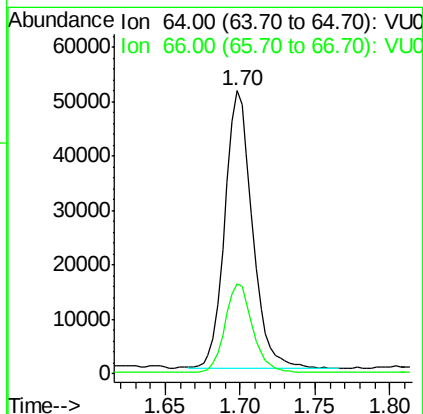
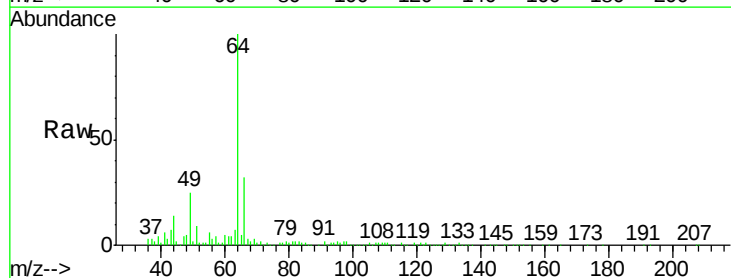
Acq: 05 Feb 2019 12:10

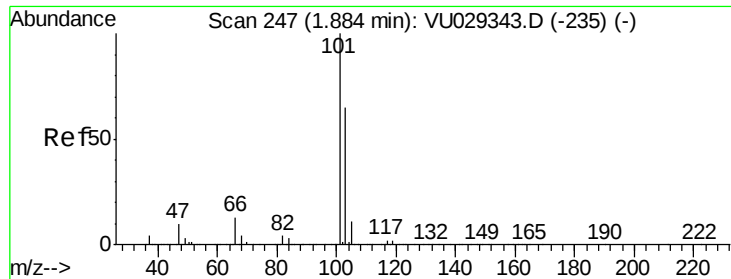
Tgt Ion: 64 Resp: 65127

Ion Ratio Lower Upper

64 100

66 31.9 26.3 39.5





#7

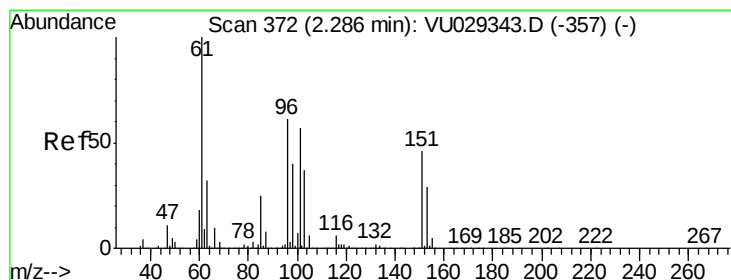
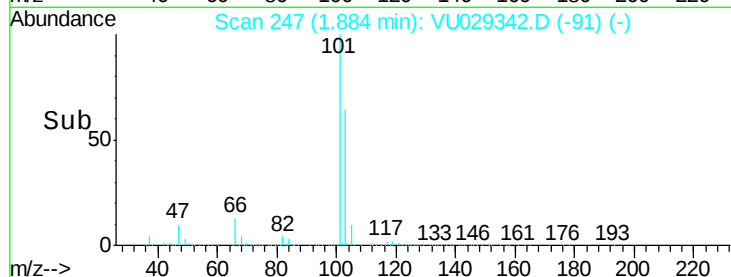
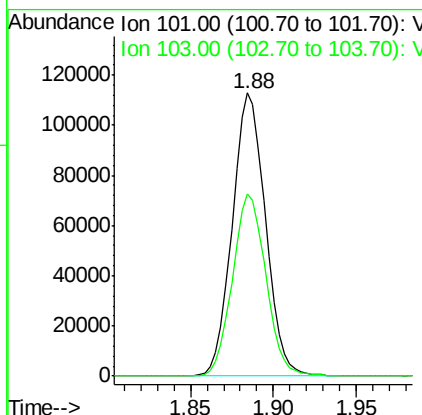
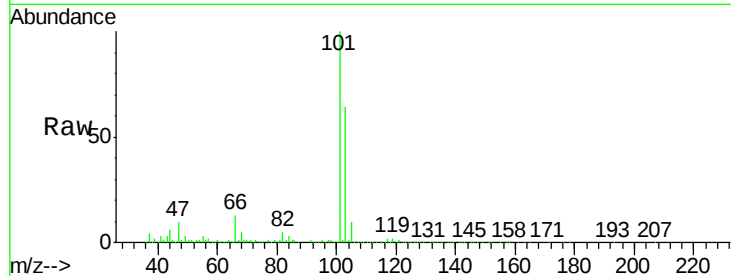
Trichlorofluoromethane
Concen: 4.968 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Instrument :
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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	53.9	80.9

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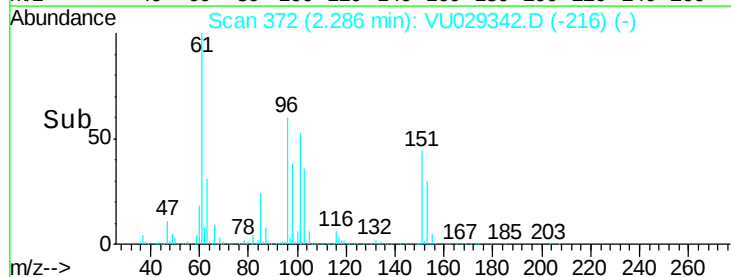
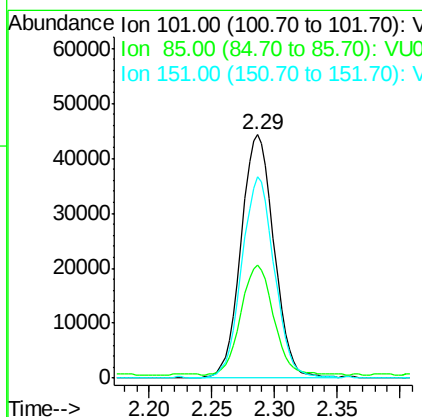
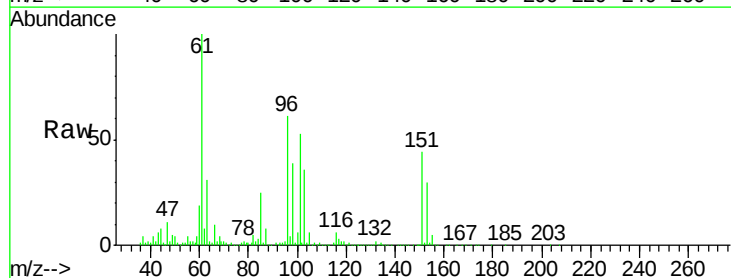
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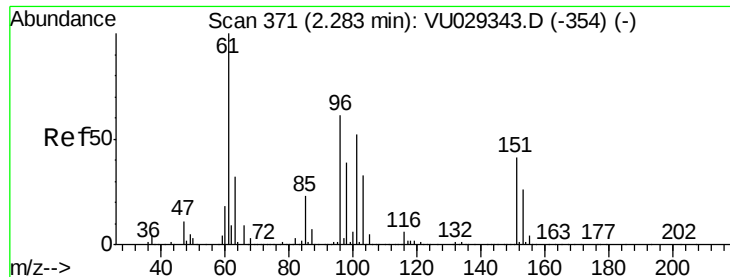


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.836 ug/l
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
101	100		
85	44.5	40.3	60.5
151	81.5	58.1	87.1





#9

1,1-Dichloroethene

Concen: 4.888 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampled :

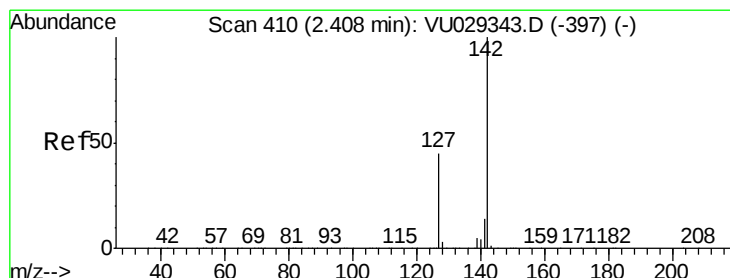
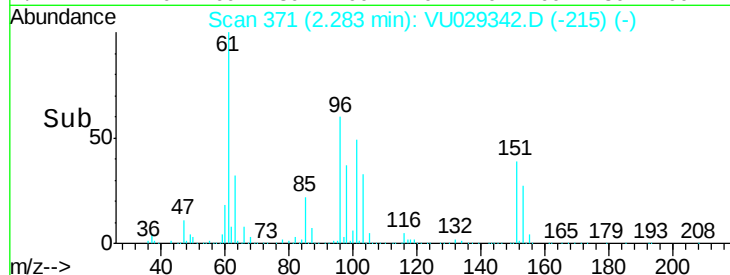
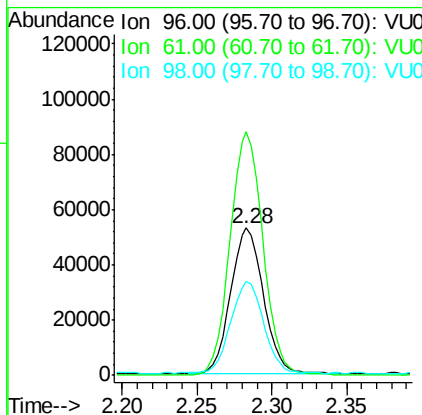
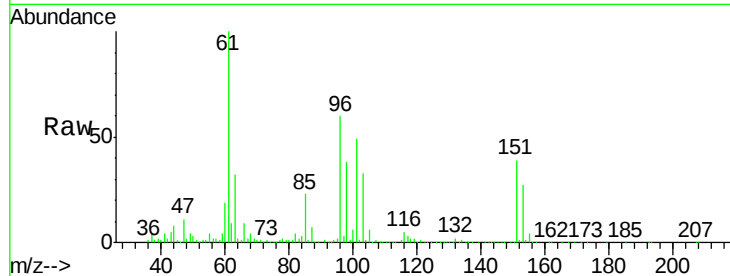
VSTDIC005

Tot Ion:	96	Resp:	79930
Ion	Ratio	Lower	Upper
96	100		
61	167.1	0.0	641.4
98	62.8	0.0	122.6

Manual Integrations
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#10

Iodomethane

Concen: 5.424 ug/l

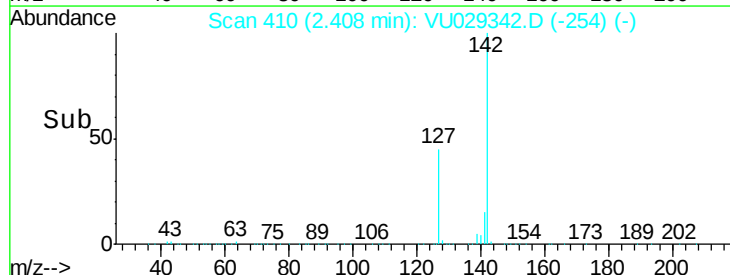
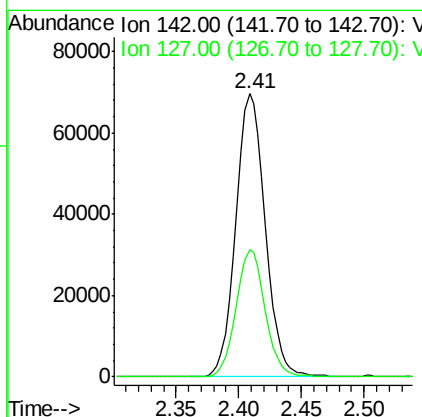
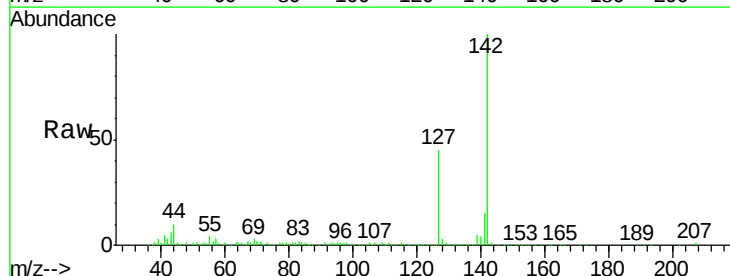
RT: 2.41 min Scan# 410

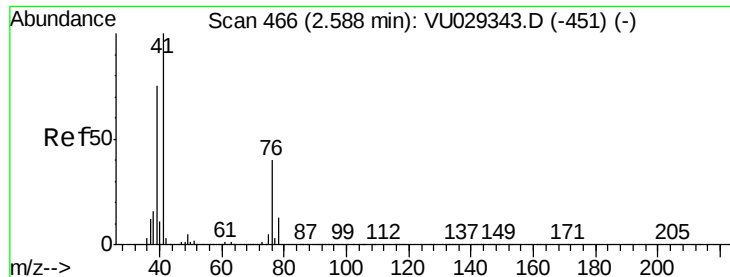
Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Tgt Ion:	142	Resp:	113779
Ion	Ratio	Lower	Upper
142	100		
127	43.8	47.6	71.4#





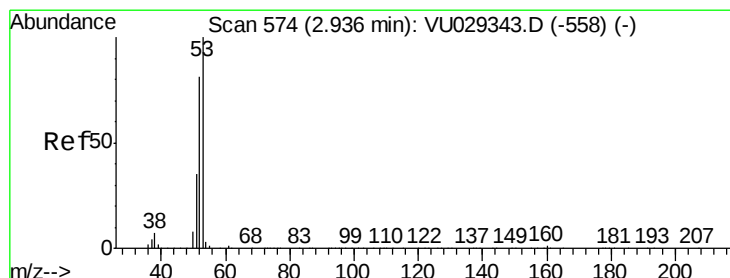
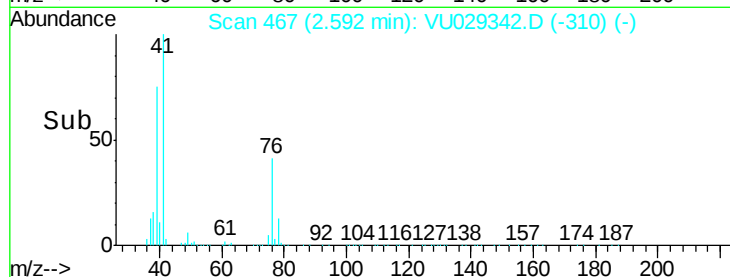
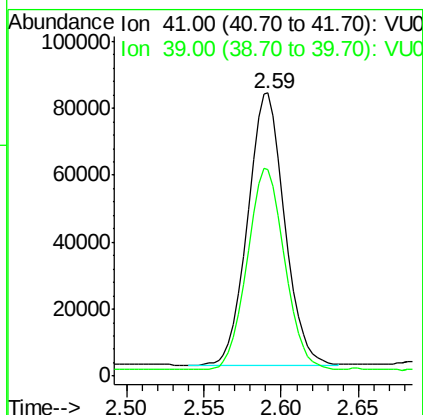
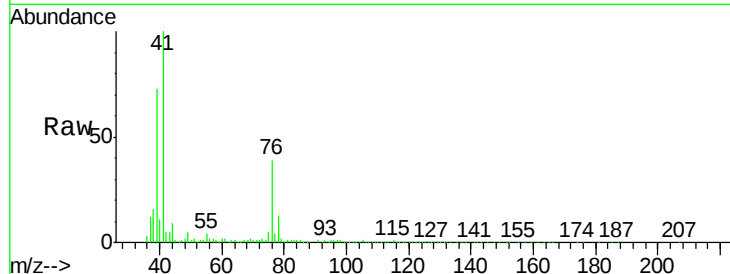
#11
Allvl Chloride
Concen: 4.950 ug/l
RT: 2.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	75.0	67.2	100.8

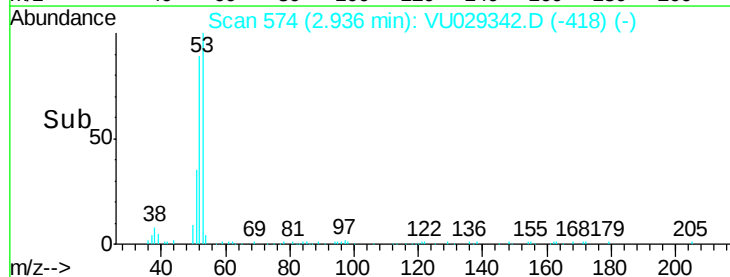
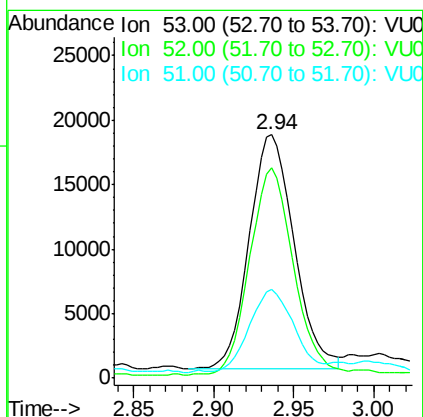
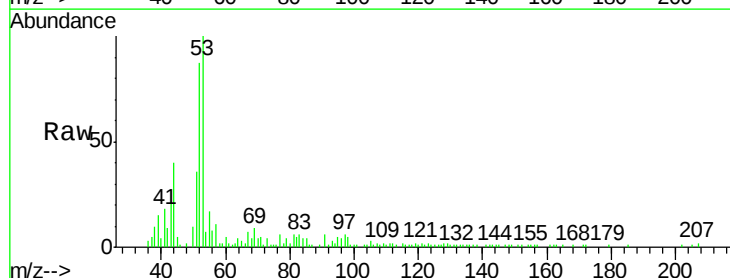
Manual Integrations
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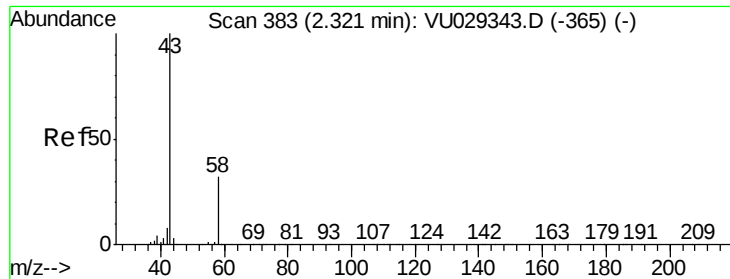
sam
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#12
Acrylonitrile
Concen: 9.537 ug/l
RT: 2.94 min Scan# 574
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
53	100		
52	86.6	67.6	101.4
51	33.9	31.0	46.4





#13

Acetone

Concen: 24.656 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 86663

Ion Ratio Lower Upper

43 100

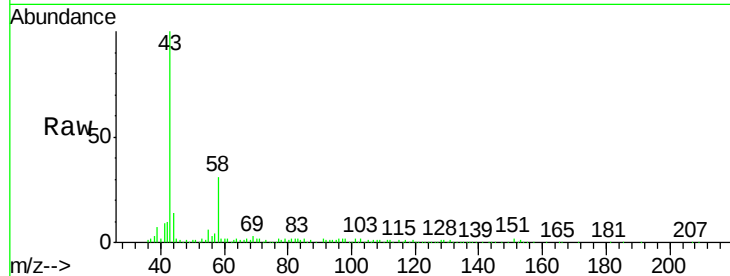
58 32.1 19.2 28.8#

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

60000

50000

40000

30000

20000

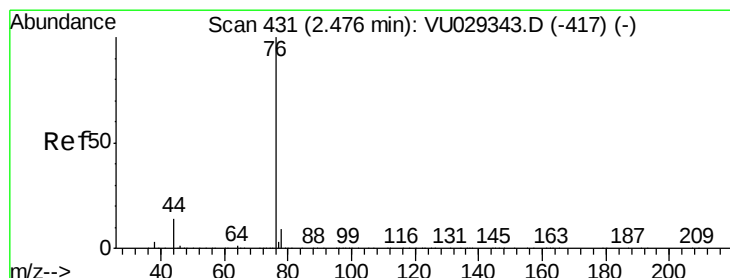
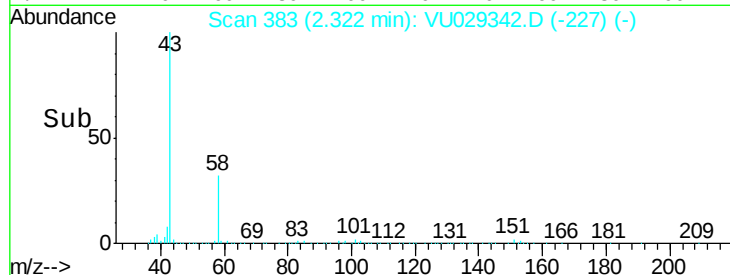
10000

0

2.32

2.20 2.25 2.30 2.35 2.40

Time-->



#14

Carbon Disulfide

Concen: 4.930 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029342.D

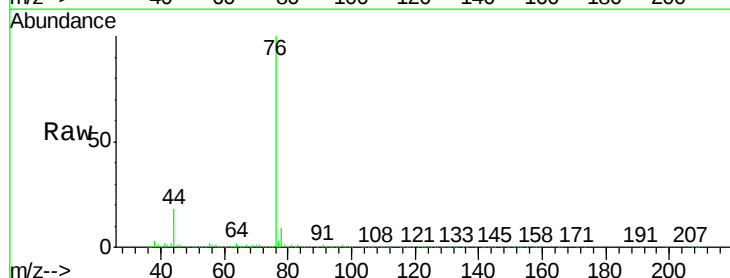
Acq: 05 Feb 2019 12:10

Tgt Ion: 76 Resp: 284607

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

200000

150000

100000

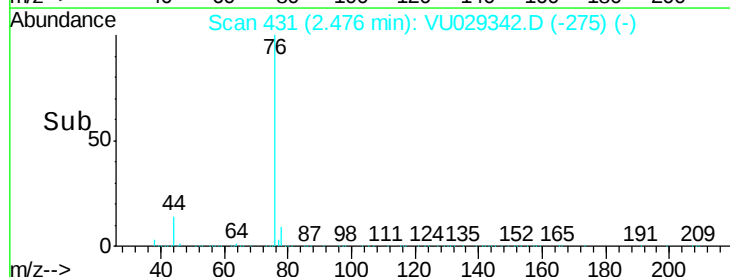
50000

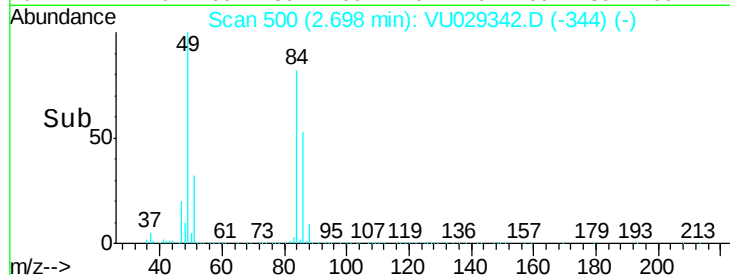
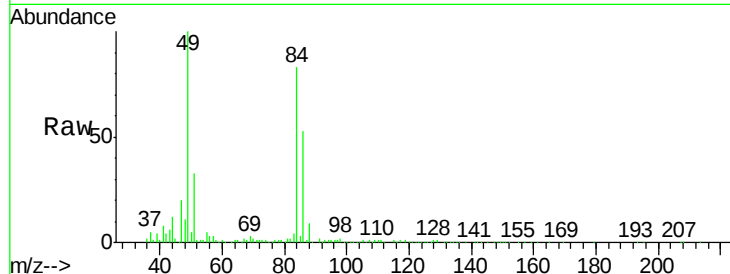
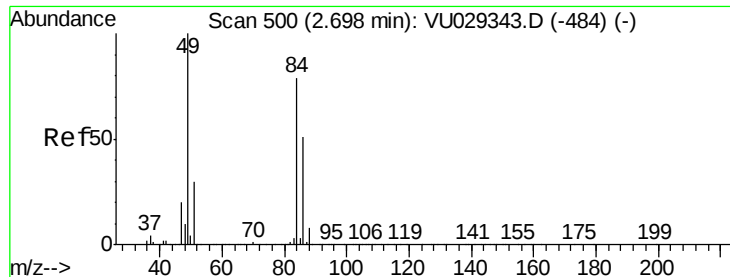
0

2.48

2.40 2.45 2.50 2.55

Time-->





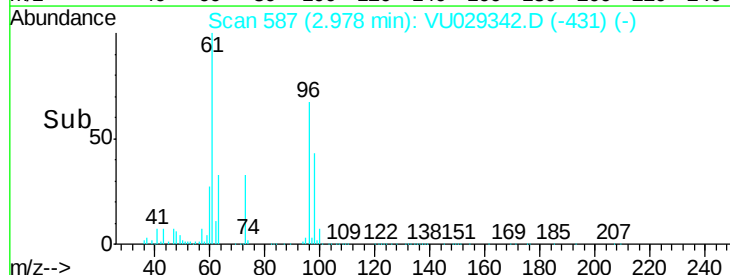
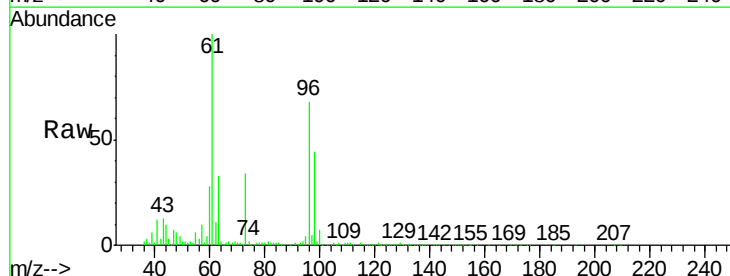
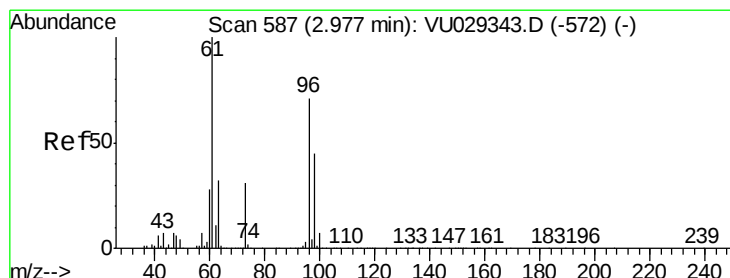
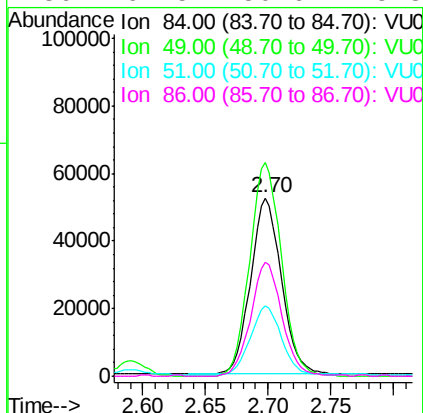
#15
Methvlene Chloride
Concen: 4.515 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Tot Ion	Ratio	Lower	Upper
84	100		
49	121.3	127.0	190.6#
51	39.2	0.0	93.4
86	64.5	50.6	75.8

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

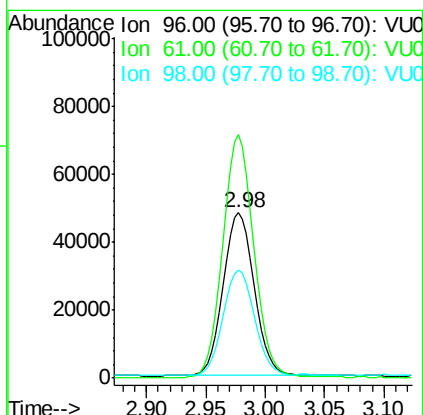
Manual Integrations
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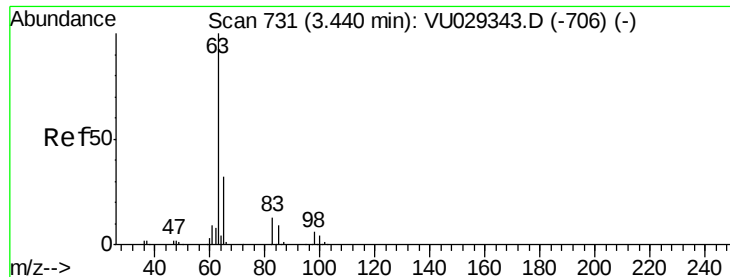
sam
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#16
trans-1,2-Dichloroethene
Concen: 4.760 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.9	140.6	210.8
98	65.0	49.3	73.9





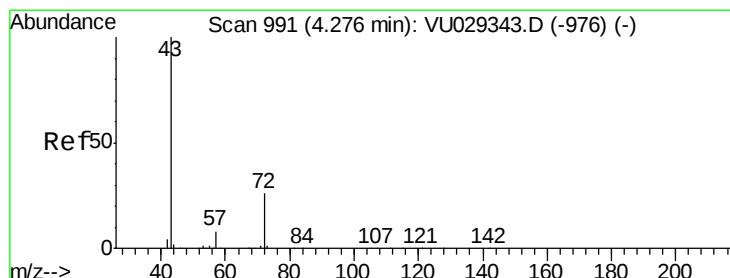
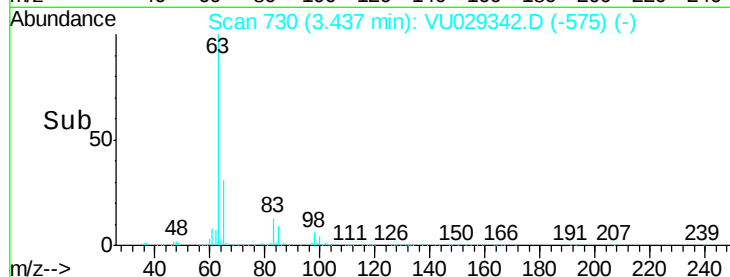
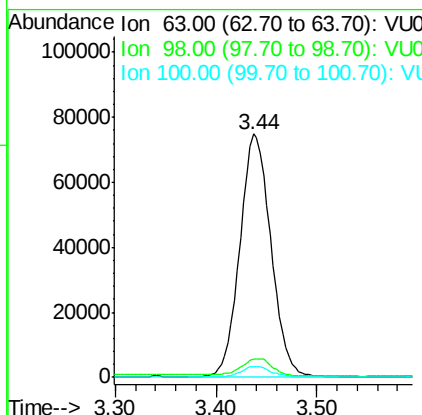
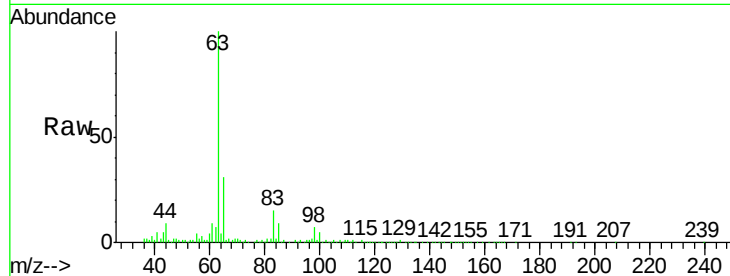
#17
 1,1-Dichloroethane
 Concen: 5.488 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU029342.D
 Acq: 05 Feb 2019 12:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	63	Resp:	159015
Ion Ratio	Lower	Upper	
63	100		
98	6.8	2.9	8.8
100	4.6	1.7	5.1

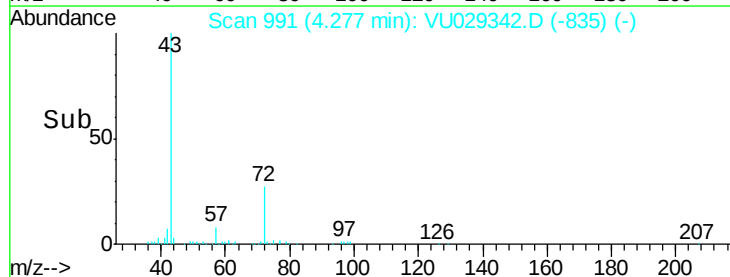
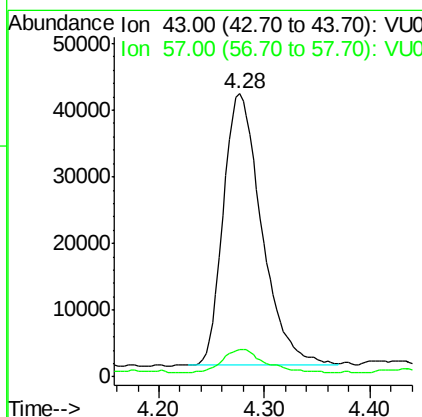
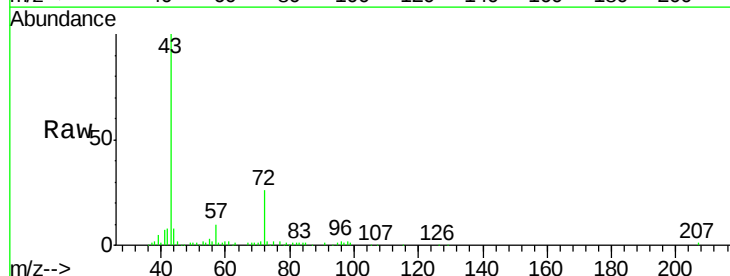
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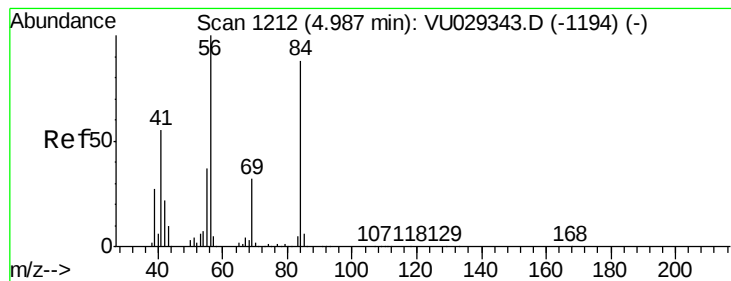
sam
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#18
 2-Butanone
 Concen: 26.151 ug/l
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VU029342.D
 Acq: 05 Feb 2019 12:10

Tgt Ion:	43	Resp:	103229
Ion Ratio	Lower	Upper	
43	100		
57	8.3	0.0	15.8





#19

Cyclohexane

Concen: 4.924 ug/l m

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 125775

Ion Ratio Lower Upper

56 100

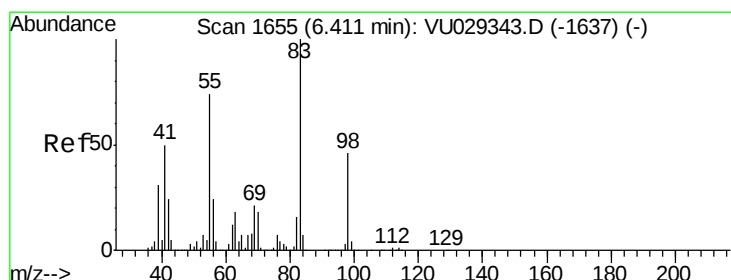
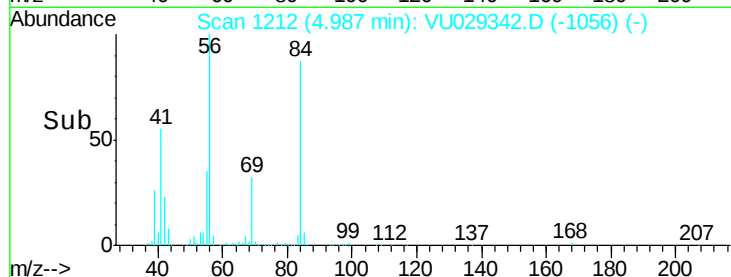
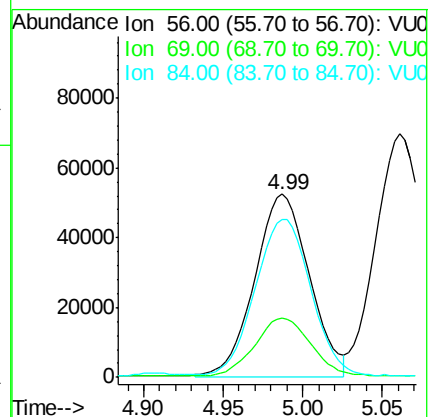
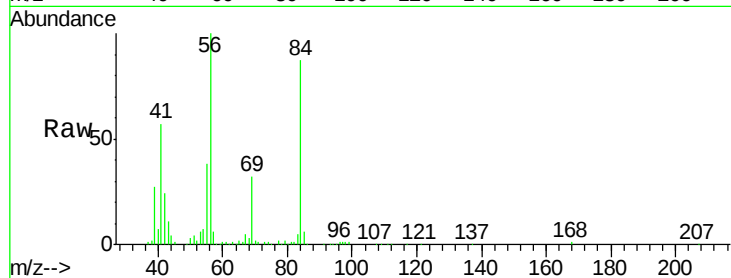
69 31.4 26.8 40.2

84 85.2 71.5 107.3

Manual Integrations
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sam

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#20

Methylcyclohexane

Concen: 4.932 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

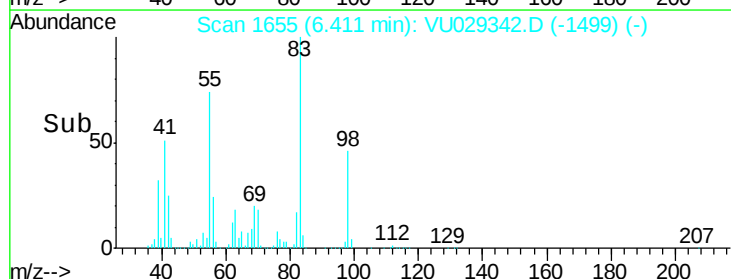
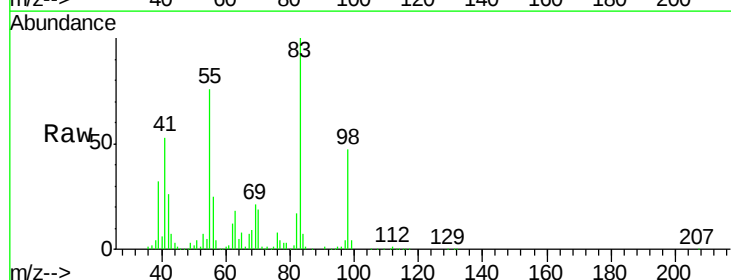
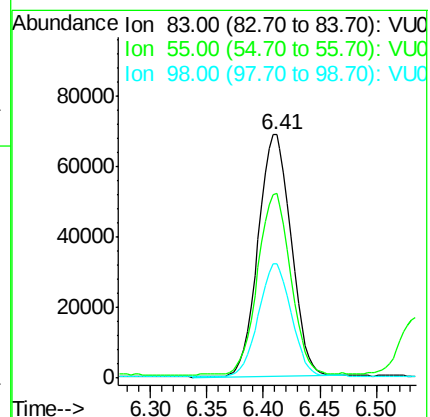
Tgt Ion: 83 Resp: 139153

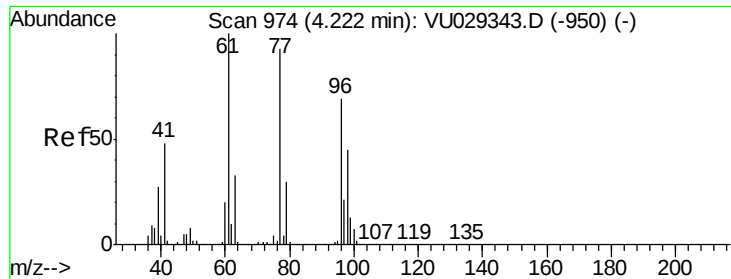
Ion Ratio Lower Upper

83 100

55 73.9 72.4 108.6

98 45.5 36.6 54.8





#21

2,2-Dichloropropane

Concen: 4.876 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampled :

VSTDIC005

Tot Ion: 77 Resp: 130762

Ion Ratio Lower Upper

77 100

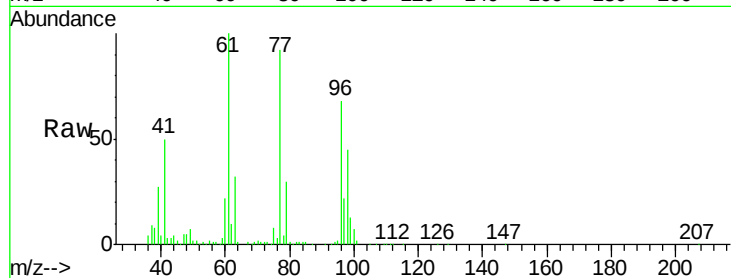
97 22.1 15.6 23.4

Manual Integrations

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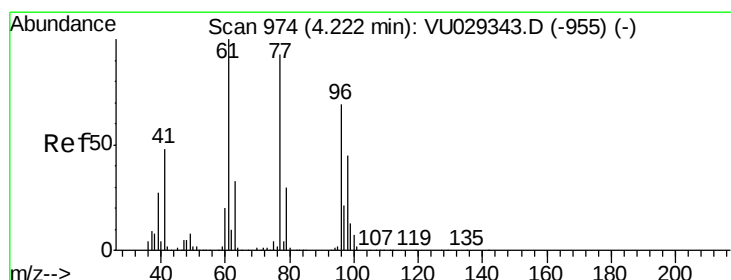
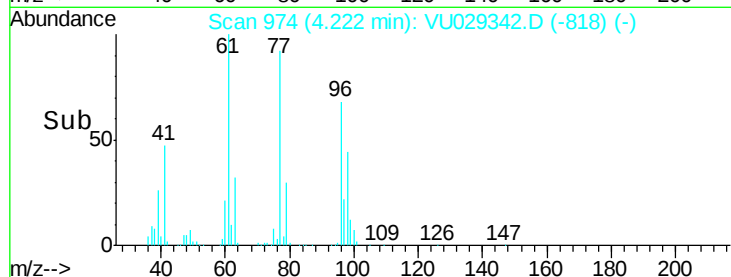
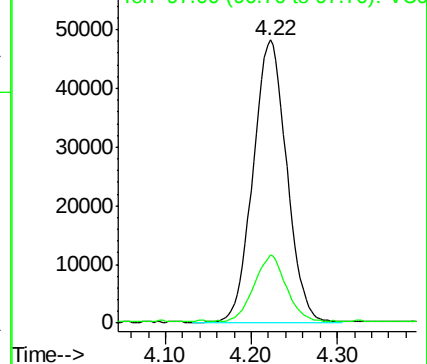
sam

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Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 4.988 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

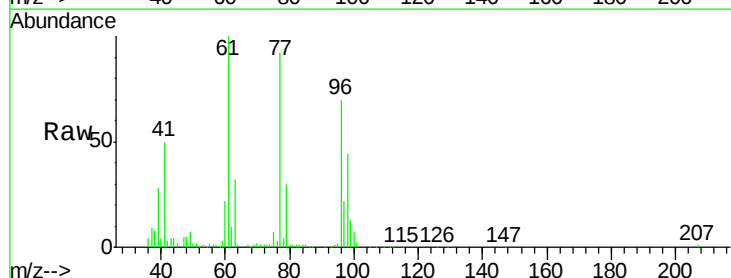
Tgt Ion: 96 Resp: 85921

Ion Ratio Lower Upper

96 100

61 151.6 0.0 460.0

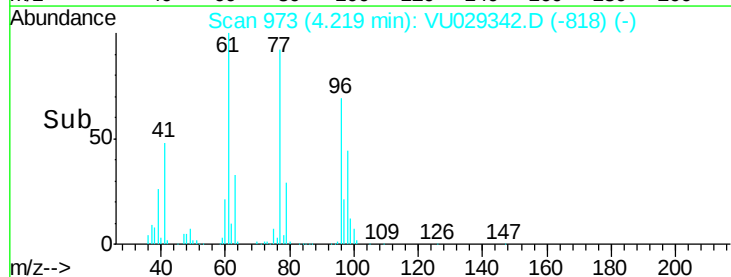
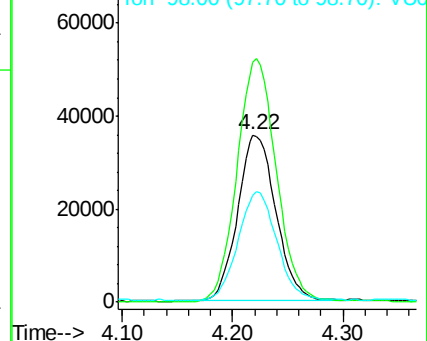
98 65.7 32.6 97.7

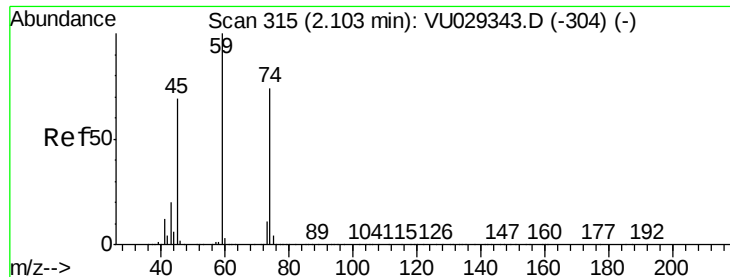


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#23

Diethyl Ether

Concen: 4.872 ug/l

RT: 2.10 min Scan# 315

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

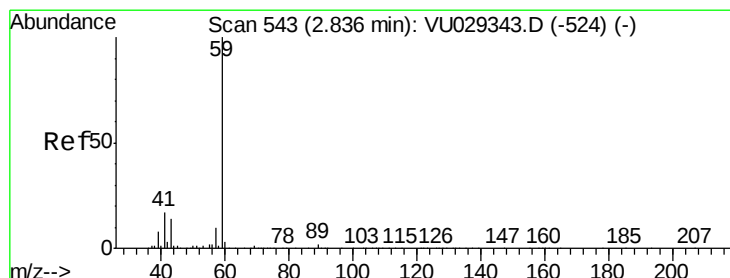
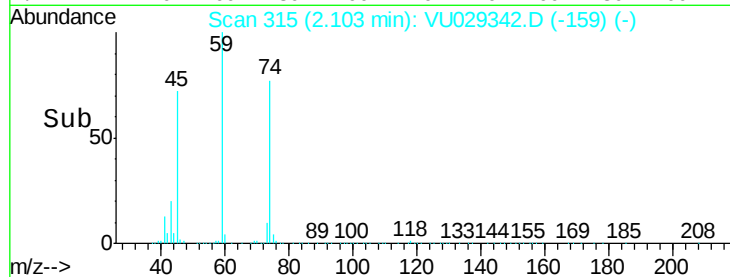
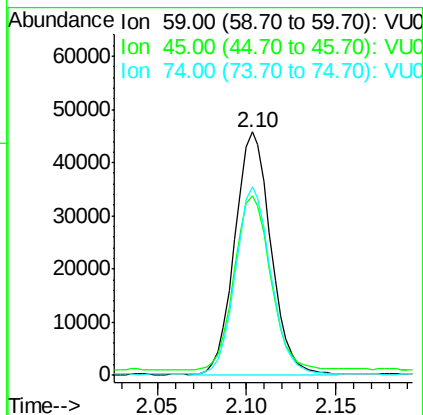
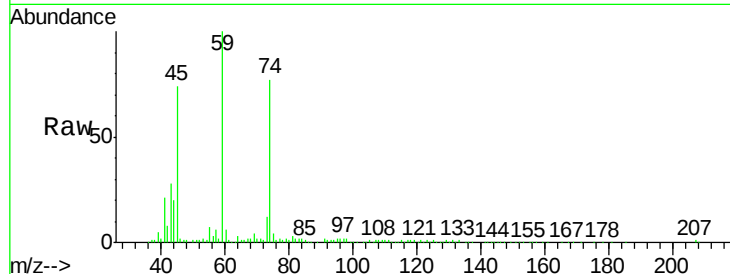
VSTDIC005

Tot Ion:	59	Resp:	63968
Ion	Ratio	Lower	Upper
59	100		
45	72.1	64.2	96.4
74	75.4	55.3	82.9

Manual Integrations
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#24

tert-Butyl Alcohol

Concen: 47.365 ug/l

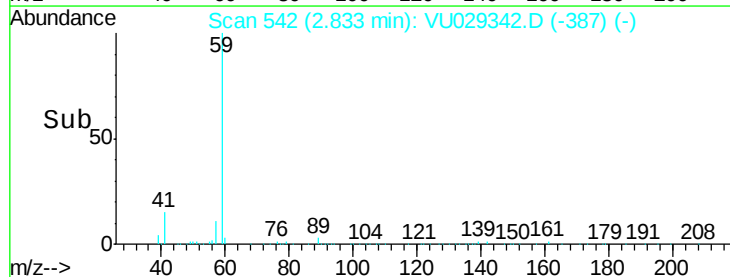
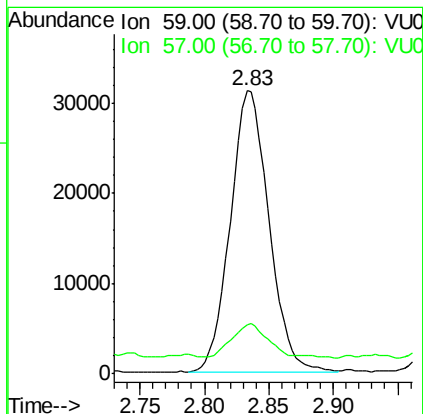
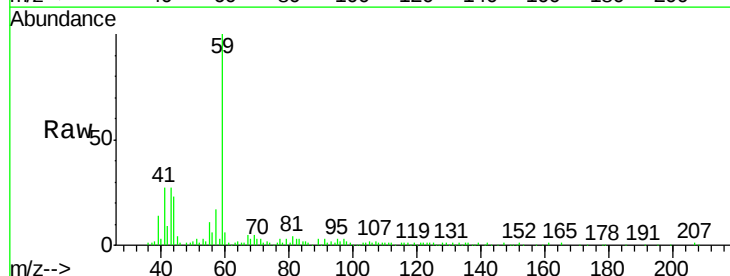
RT: 2.83 min Scan# 542

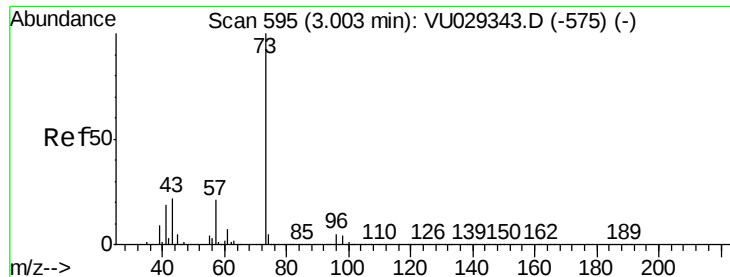
Delta R.T. -0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Tgt Ion:	59	Resp:	64628
Ion	Ratio	Lower	Upper
59	100		
57	12.1	8.8	13.2





#25

Methyl tert-Butyl Ether

Concen: 4.975 ug/l

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 73 Resp: 229048

Ion Ratio Lower Upper

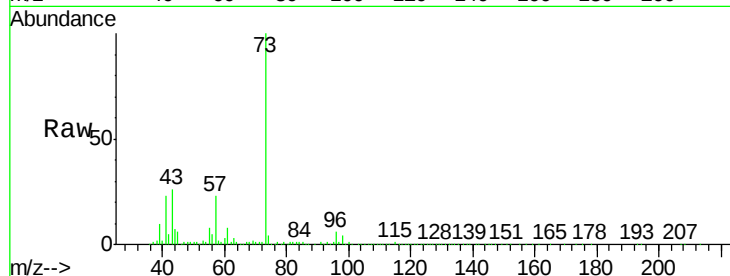
73 100

43 21.3 22.1 33.1#

Manual Integrations
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Abundance Ion 73.00 (72.70 to 73.70): VU029342.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU029342.D (-575) (-)

3.00

100000

80000

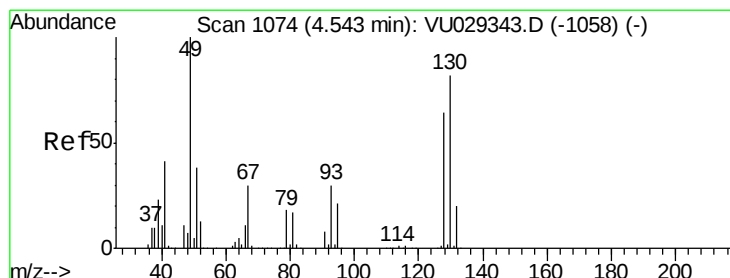
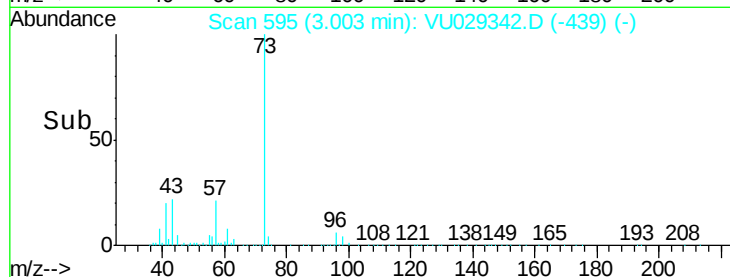
60000

40000

20000

0

Time-->



#26

Bromochloromethane

Concen: 5.023 ug/l

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

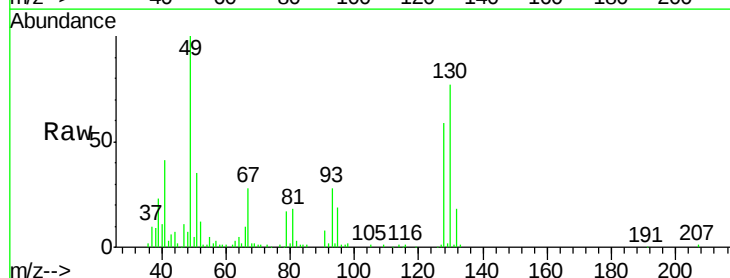
Tgt Ion: 128 Resp: 38218

Ion Ratio Lower Upper

128 100

49 153.6 0.0 401.6

130 125.6 108.0 162.0



Abundance Ion 128.00 (127.70 to 128.70): VU029342.D (-918) (-)

Ion 49.00 (48.70 to 49.70): VU029342.D (-918) (-)

Ion 130.00 (129.70 to 130.70): VU029342.D (-918) (-)

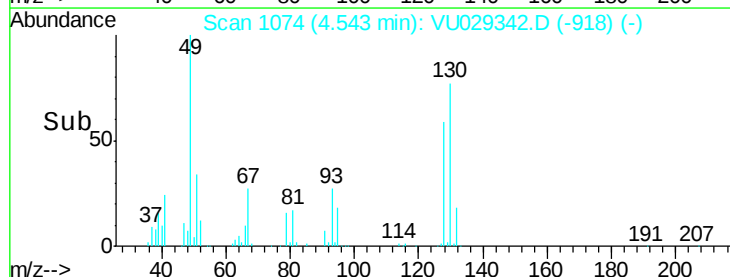
30000

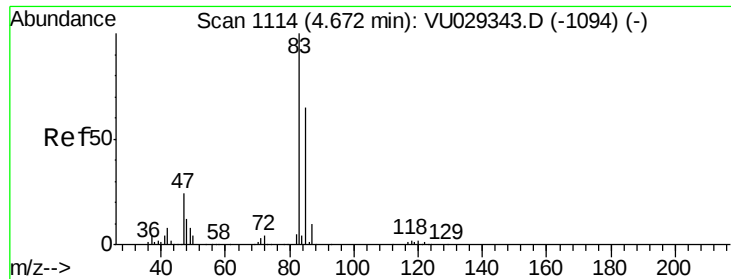
20000

10000

0

Time-->





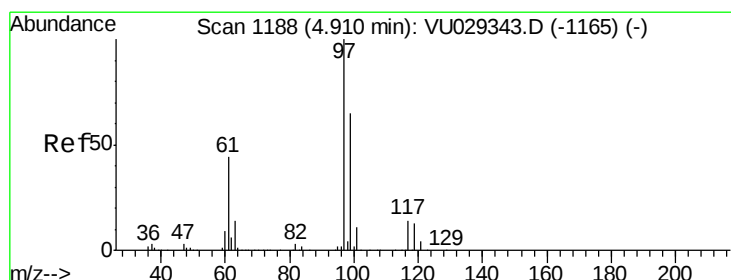
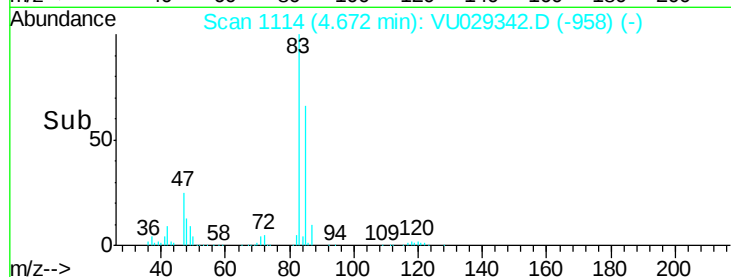
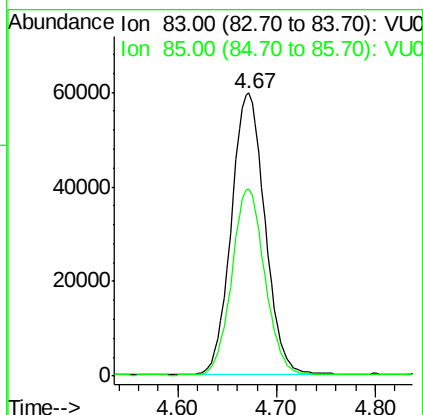
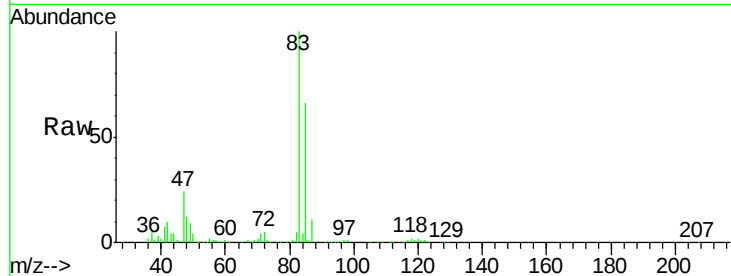
#27
Chloroform
Concen: 4.994 ug/l
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	140717
Ion Ratio	100	Lower	Upper
85	66.0	0.0	126.6

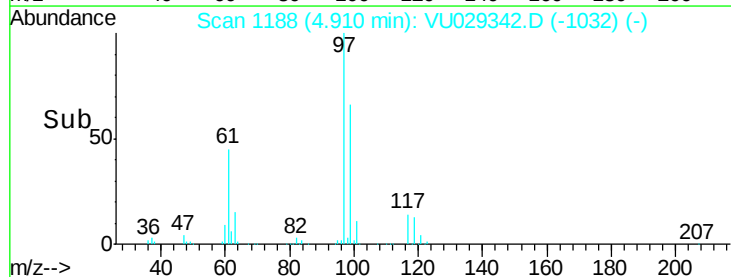
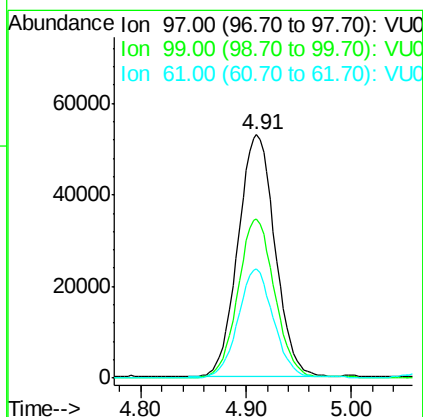
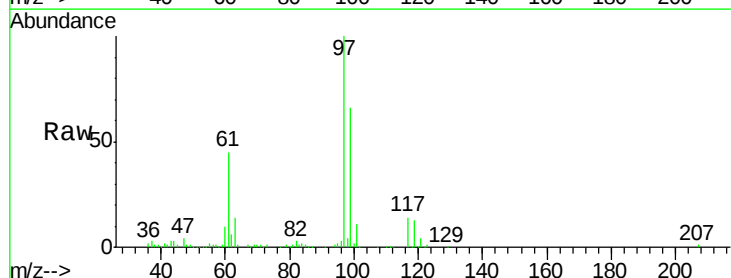
Manual Integrations
APPROVED

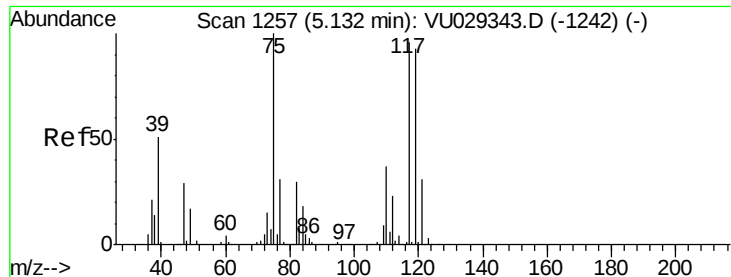
sam
2/8/2019 2:26:20 PM



#28
1,1,1-Trichloroethane
Concen: 4.909 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Tgt Ion	97	Resp	128217
Ion Ratio	100	Lower	Upper
99	65.0	32.4	97.2
61	44.2	24.4	73.2





#29

1,1-Dichloropropene

Concen: 4.876 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

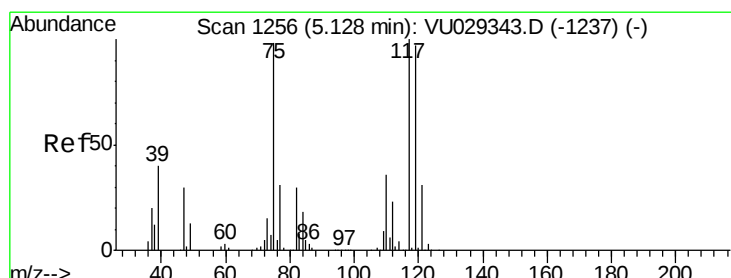
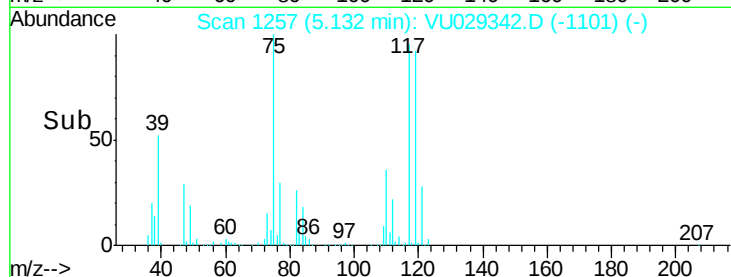
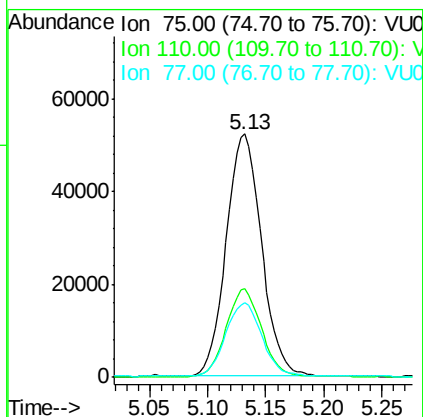
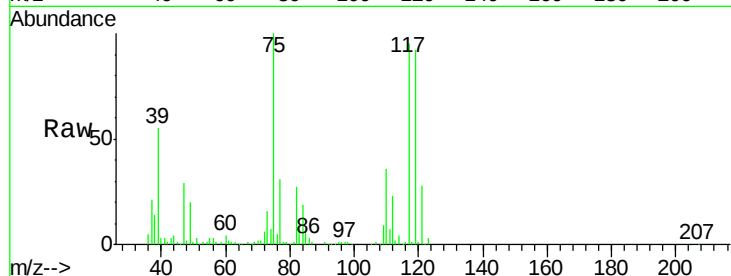
VSTDIC005

Tot Ion:	75	Resp:	110543
Ion Ratio	Lower	Upper	
75	100		
110	36.4	15.4	46.2
77	30.8	24.1	36.1

Manual Integrations
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sam

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#30

Carbon Tetrachloride

Concen: 5.044 ug/l

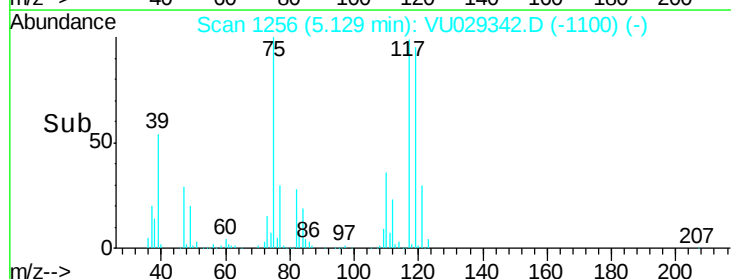
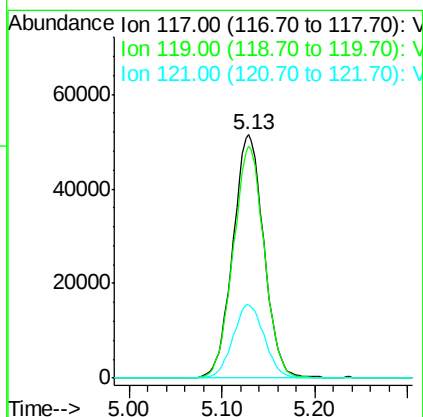
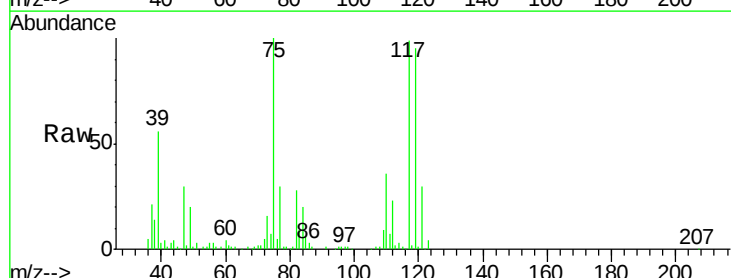
RT: 5.13 min Scan# 1256

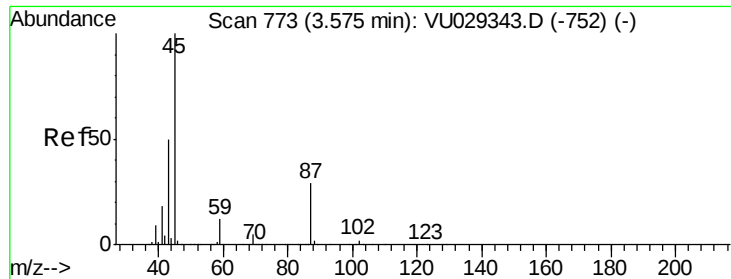
Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Tgt Ion:	117	Resp:	119270
Ion Ratio	Lower	Upper	
117	100		
119	95.3	76.8	115.2
121	30.0	24.4	36.6





#31

Isopropyl Ether

Concen: 5.021 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampled :

VSTDIC005

Tot Ion: 45 Resp: 219502

Ion Ratio Lower Upper

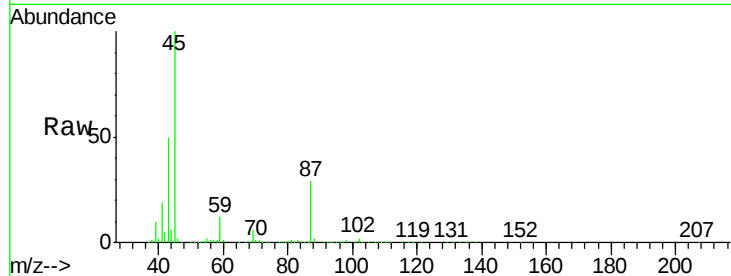
45 100

43 49.7 28.4 85.3

Manual Integrations
APPROVED

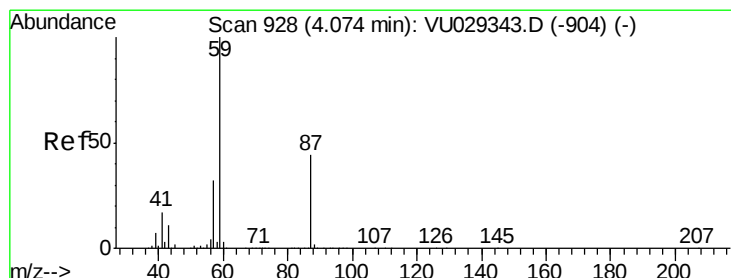
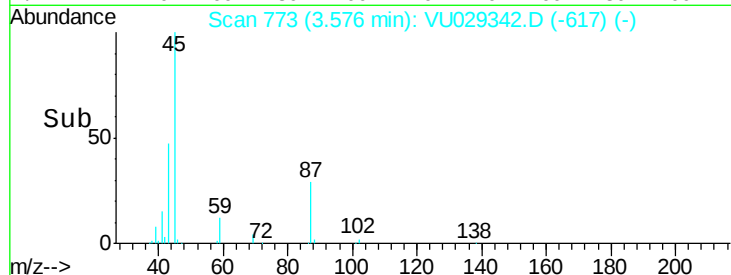
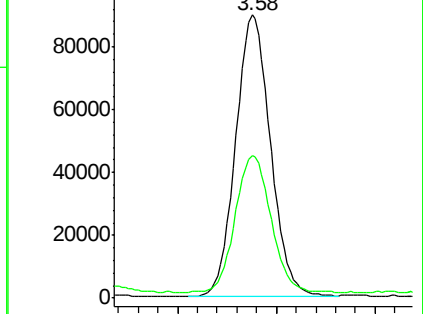
sam

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Abundance Ion 45.00 (44.70 to 45.70): VU029342.D (-617) (-)

Ion 43.00 (42.70 to 43.70): VU029342.D (-617) (-)



#32

Ethyl-t-butyl ether

Concen: 4.998 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU029342.D

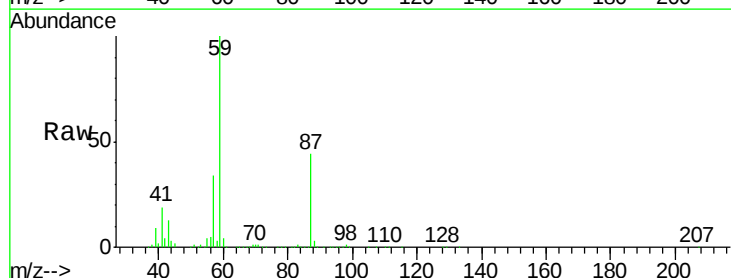
Acq: 05 Feb 2019 12:10

Tgt Ion: 59 Resp: 218953

Ion Ratio Lower Upper

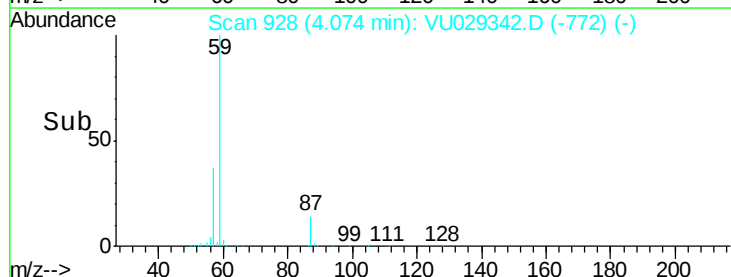
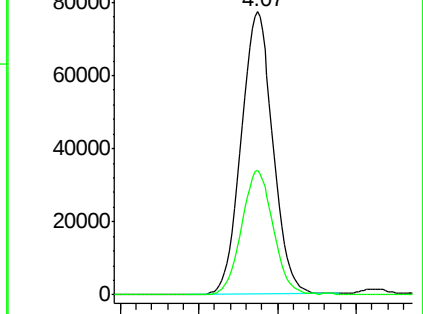
59 100

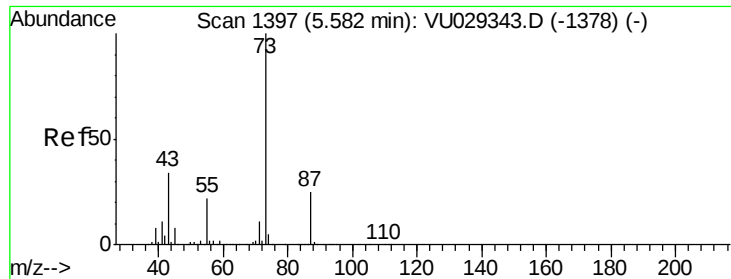
87 43.5 31.1 46.7



Abundance Ion 59.00 (58.70 to 59.70): VU029342.D (-772) (-)

Ion 87.00 (86.70 to 87.70): VU029342.D (-772) (-)





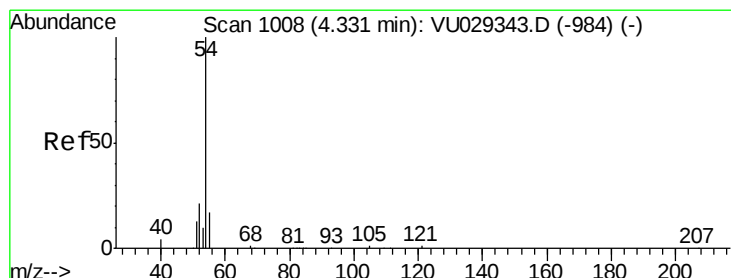
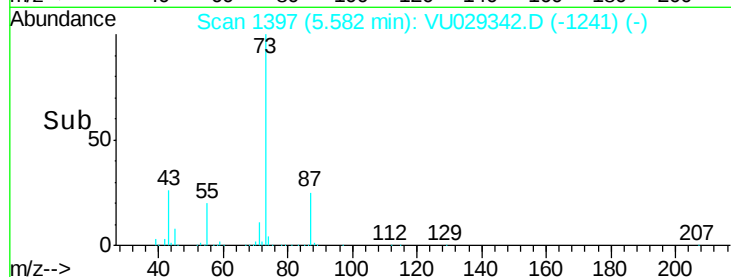
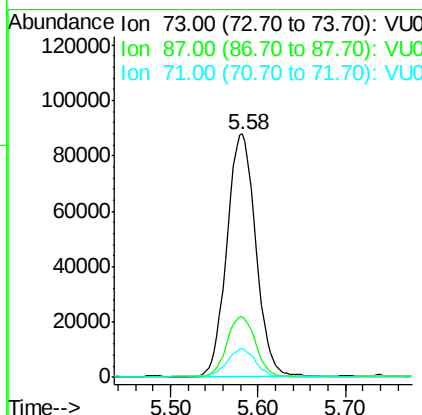
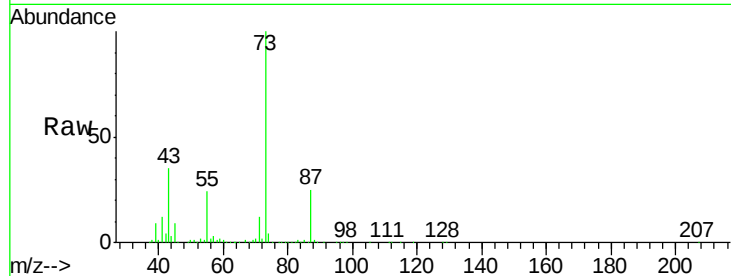
#33
Tert-Butyl methyl ether
Concen: 5.041 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
87	25.3	19.4	29.0
71	11.1	9.0	13.4

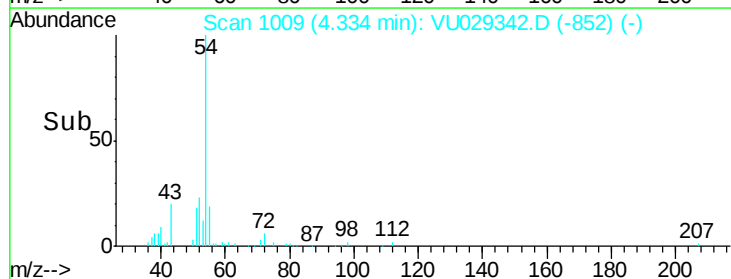
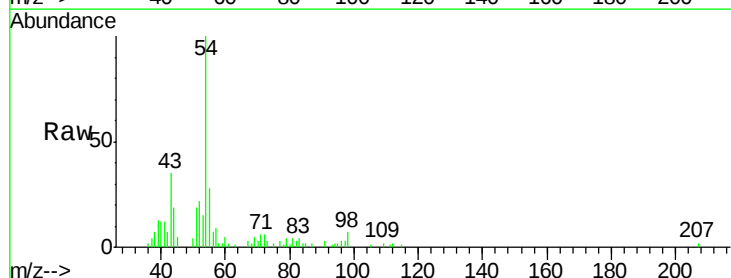
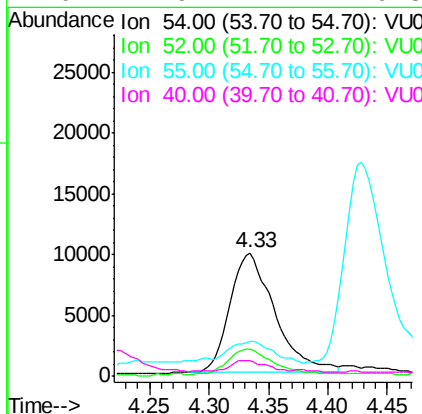
Manual Integrations
APPROVED

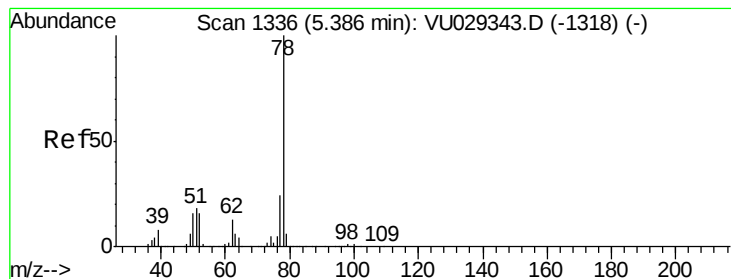
sam
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#34
Propionitrile
Concen: 25.875 ug/l
RT: 4.33 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
54	100		
52	21.6	18.9	28.3
55	16.5	15.1	22.7
40	7.9	7.2	10.8





#35

Benzene

Concen: 4.972 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 78 Resp: 311751

Ion Ratio Lower Upper

78 100

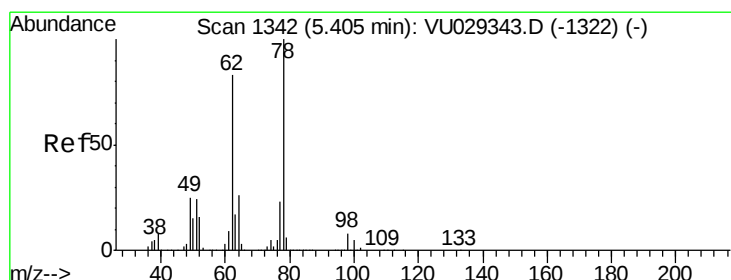
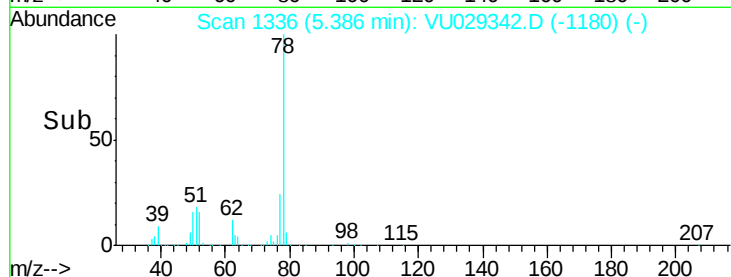
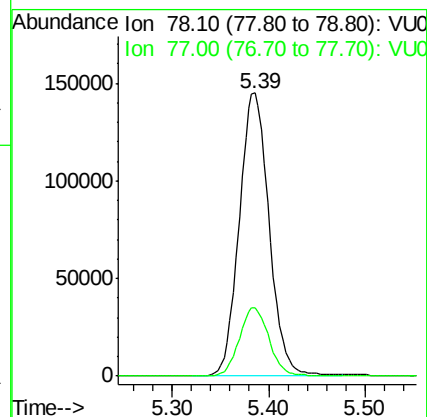
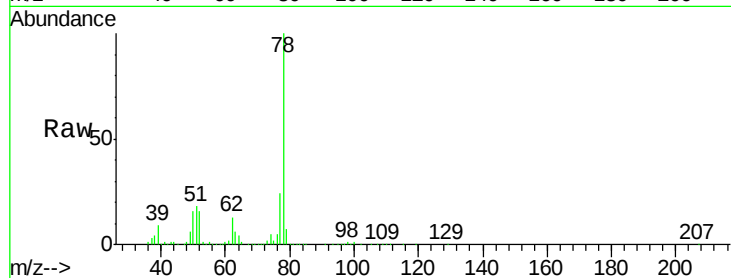
77 23.9 19.8 29.8

Manual Integrations

APPROVED

sam

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#36

1,2-Dichloroethane

Concen: 4.996 ug/l

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU029342.D

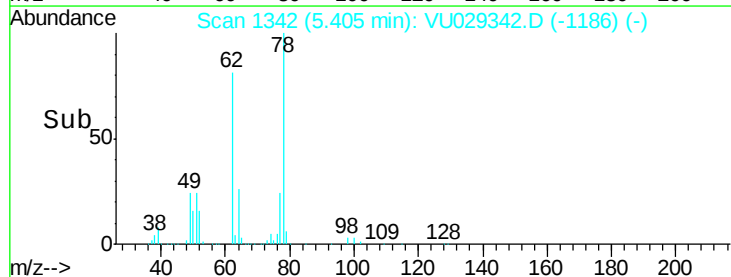
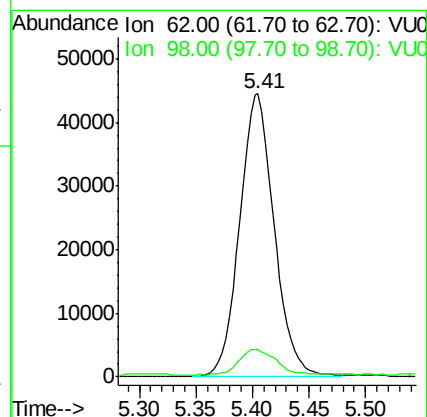
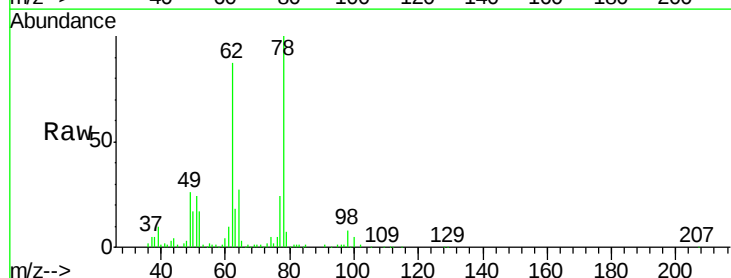
Acq: 05 Feb 2019 12:10

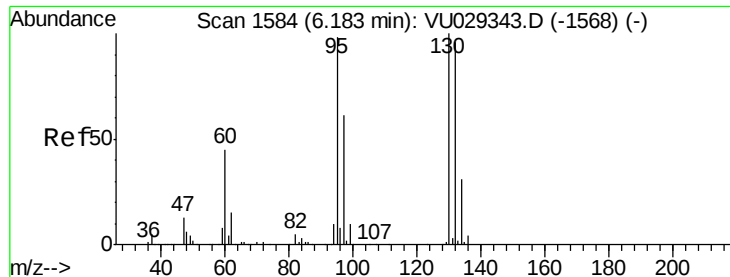
Tgt Ion: 62 Resp: 94741

Ion Ratio Lower Upper

62 100

98 9.8 4.9 7.3#





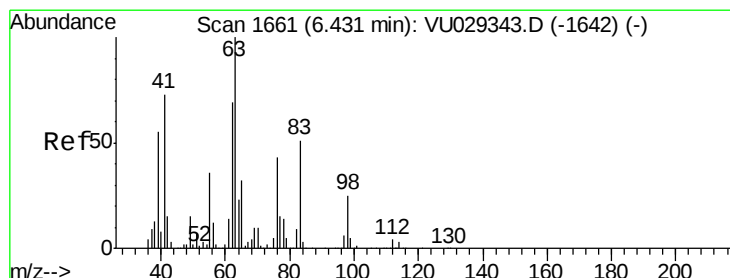
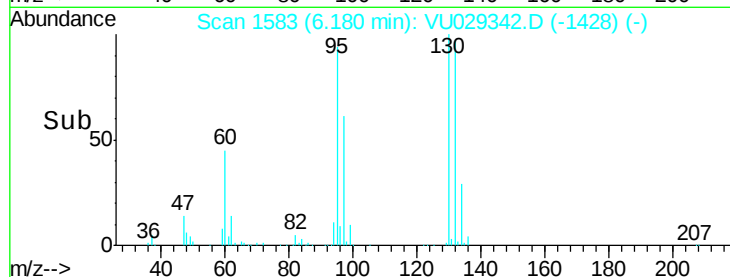
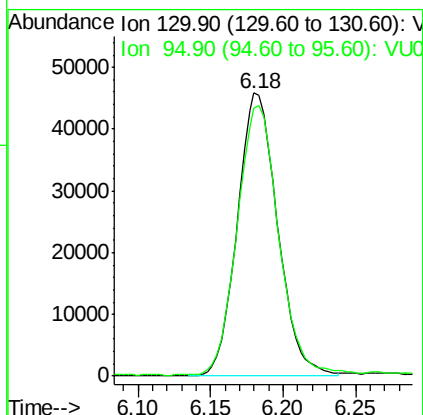
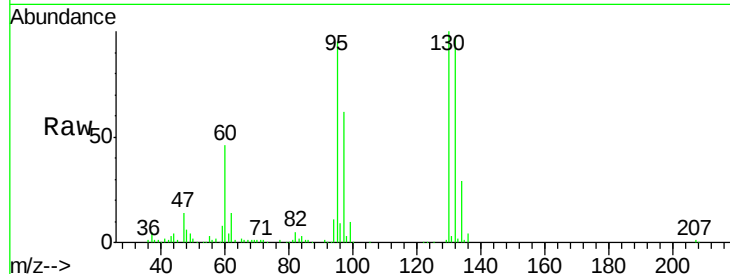
#37
 Trichloroethene
 Concen: 4.919 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU029342.D
 Acq: 05 Feb 2019 12:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 88501
 Ion Ratio Lower Upper
 130 100
 95 94.3 85.4 128.0

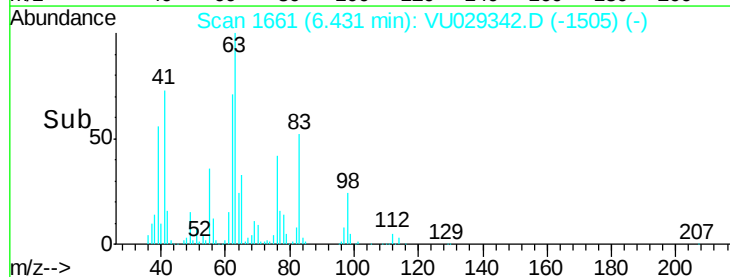
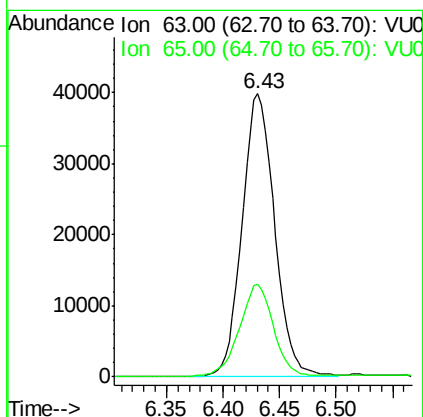
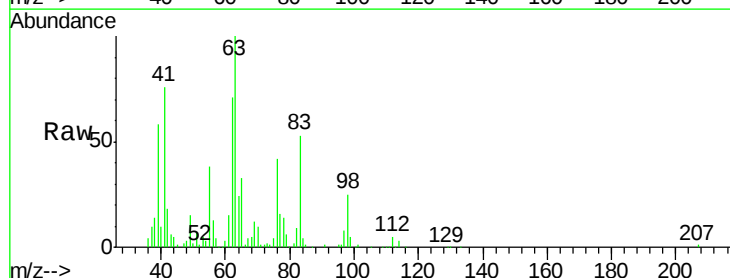
Manual Integrations
 APPROVED

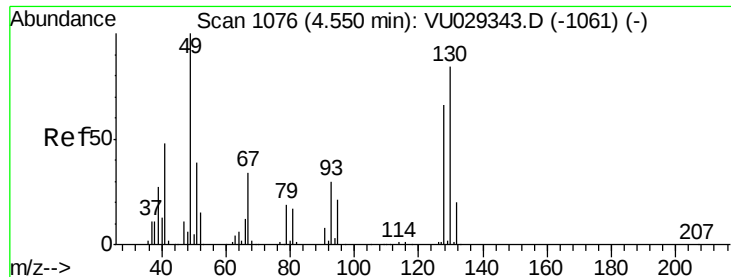
sam
 2/8/2019 2:26:20 PM



#38
 1,2-Dichloropropane
 Concen: 4.911 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029342.D
 Acq: 05 Feb 2019 12:10

Tgt Ion: 63 Resp: 80097
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.5 38.3





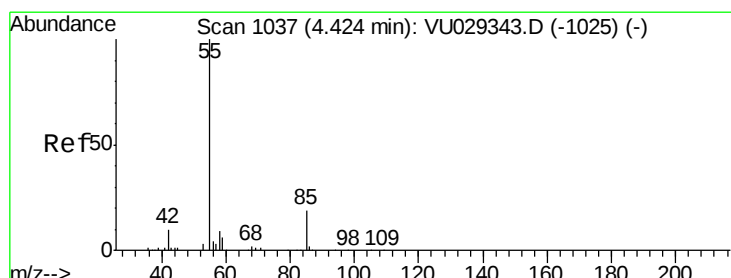
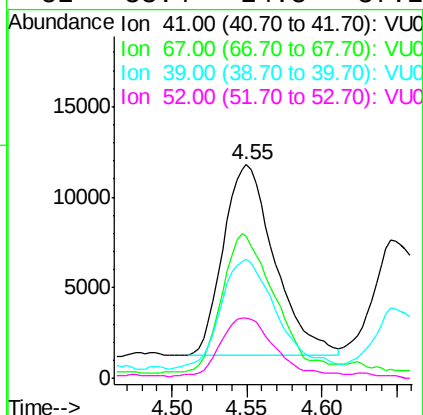
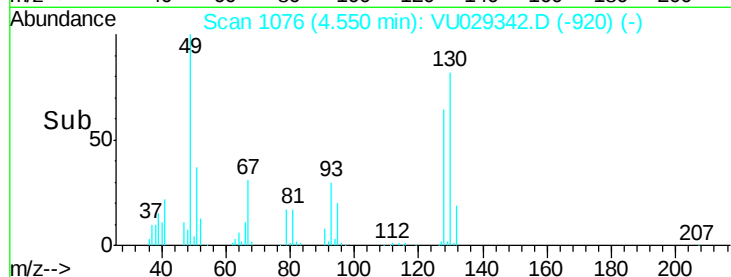
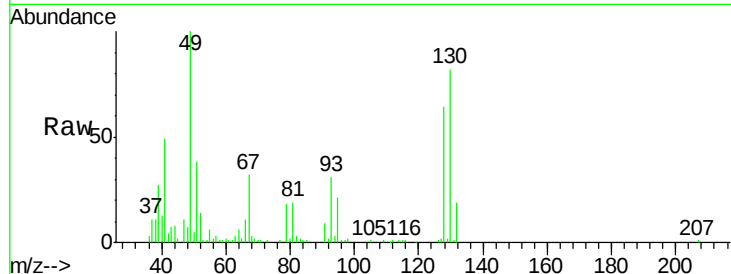
#39
Methacrylonitrile
Concen: 4.713 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
67	76.6	50.1	75.1#
39	62.4	47.9	71.9
52	33.4	24.8	37.2

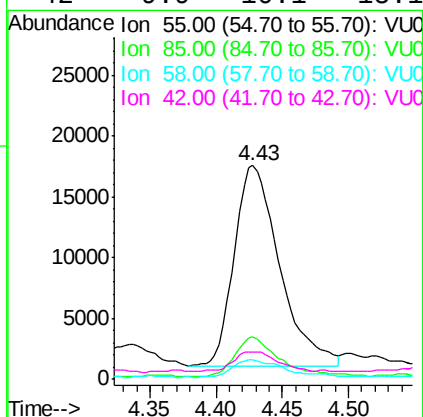
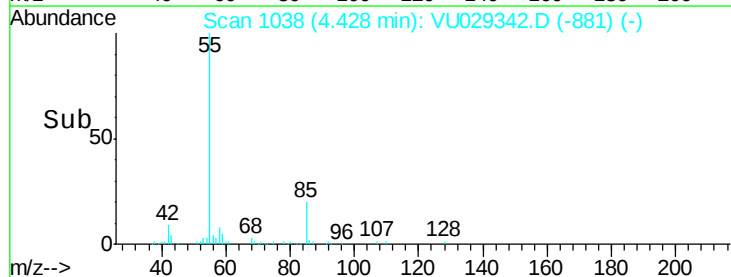
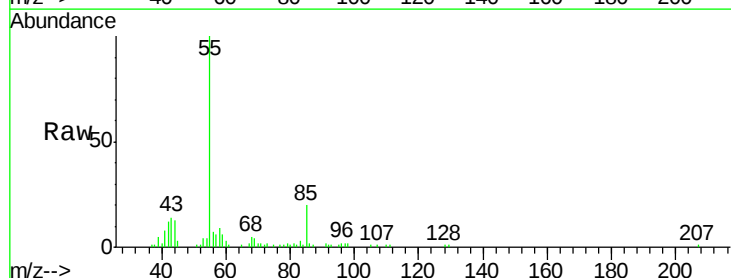
Manual Integrations
APPROVED

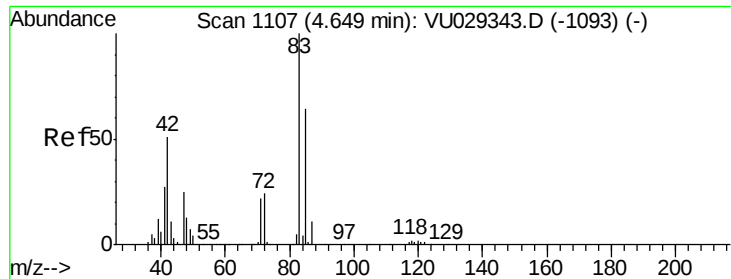
sam
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#40
Methyl acrylate
Concen: 4.887 ug/l
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
55	100		
85	18.9	11.3	16.9#
58	8.7	6.2	9.4
42	9.9	10.1	15.1#





#41

Tetrahydrofuran

Concen: 9.597 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 42 Resp: 26652
Ion Ratio Lower Upper

42 100

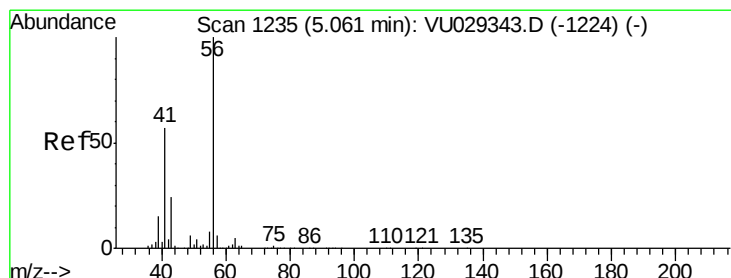
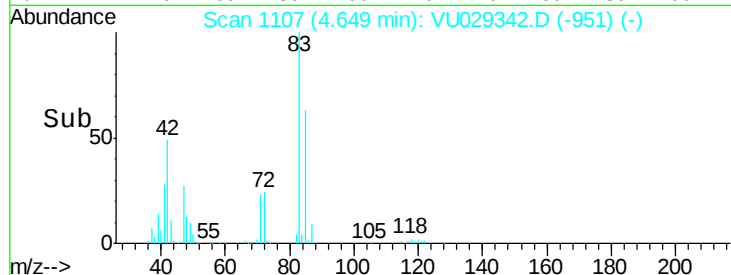
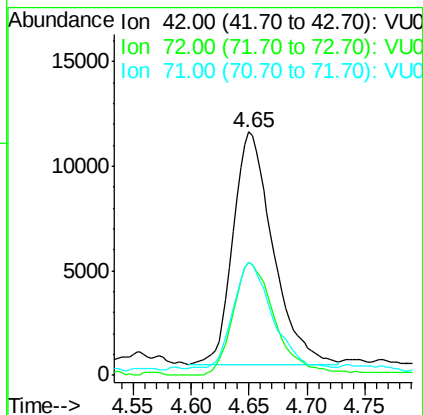
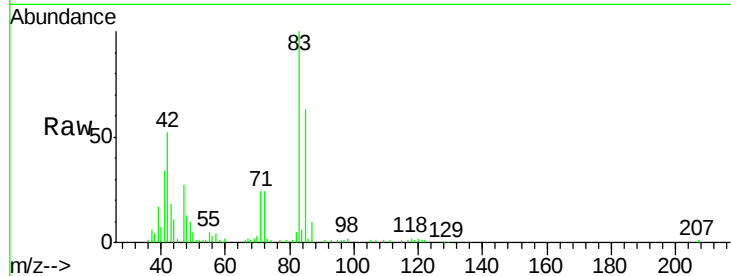
72 50.6 33.1 49.7#

71 44.3 30.2 45.2

Manual Integrations
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sam

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#42

1-Chlorobutane

Concen: 4.889 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. 0.00 min

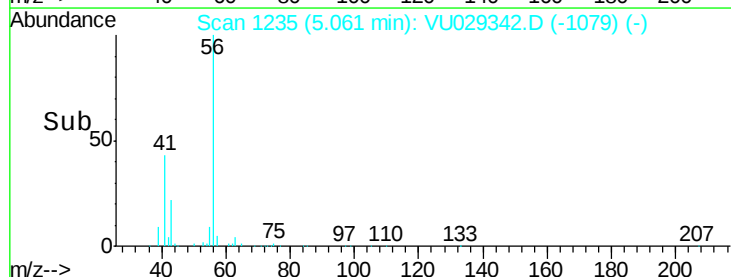
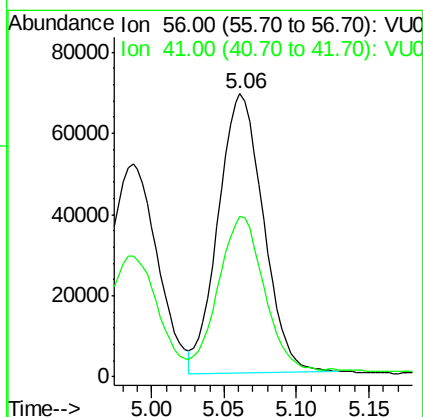
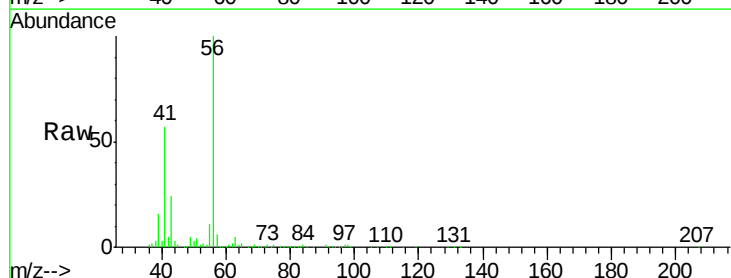
Lab File: VU029342.D

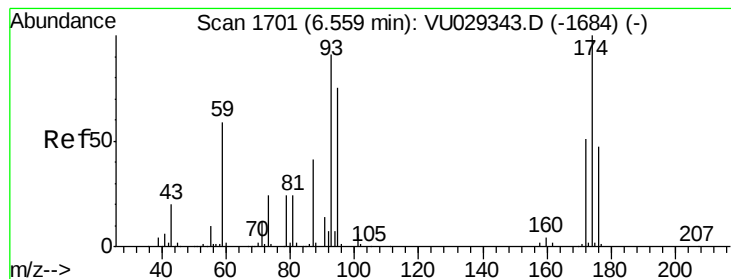
Acq: 05 Feb 2019 12:10

Tgt Ion: 56 Resp: 148516
Ion Ratio Lower Upper

56 100

41 55.2 31.3 93.8





#43

Dibromomethane

Concen: 4.819 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 93 Resp: 41888

Ion Ratio Lower Upper

93 100

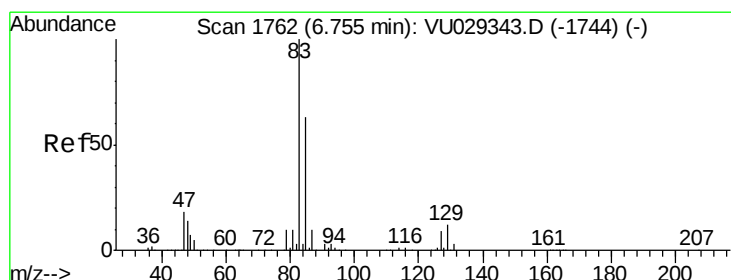
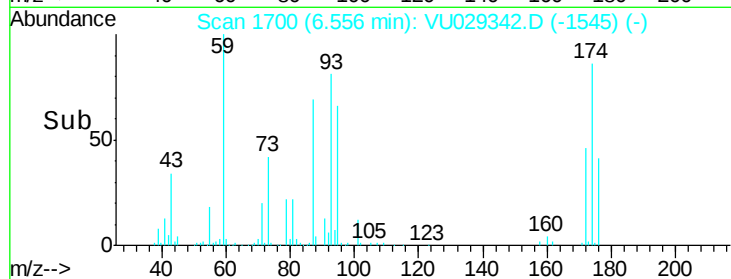
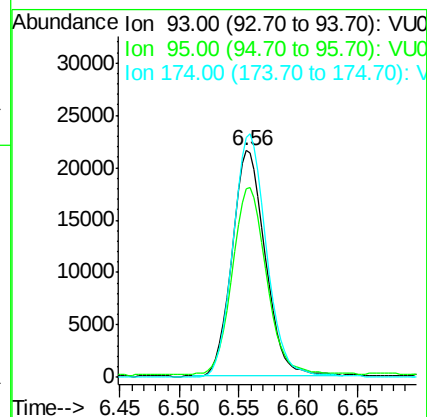
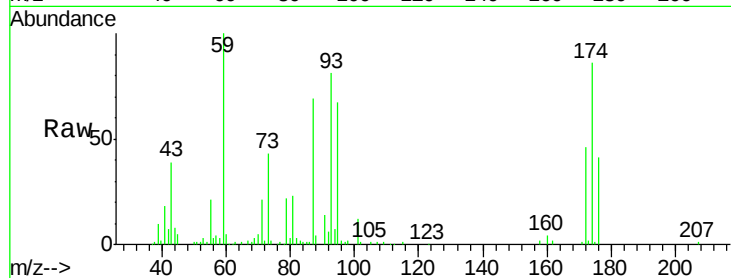
95 85.0 68.2 102.2

174 108.5 77.6 116.4

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#44

Bromodichloromethane

Concen: 5.012 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

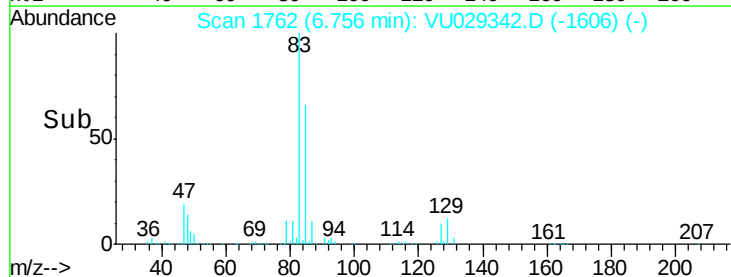
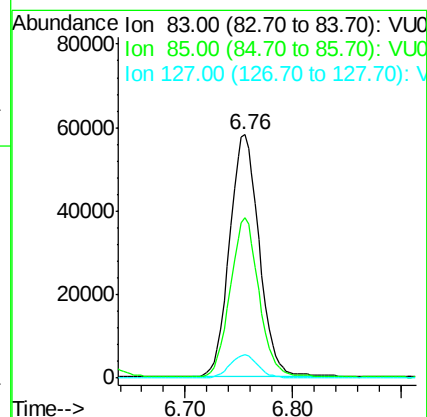
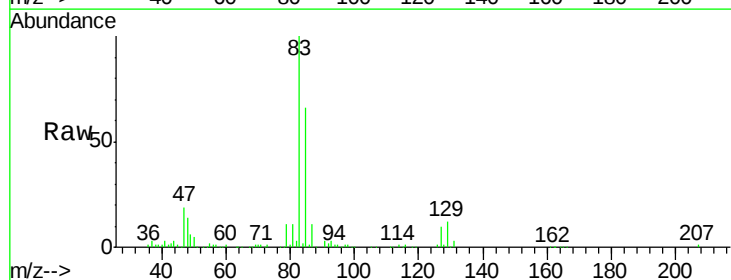
Tgt Ion: 83 Resp: 111009

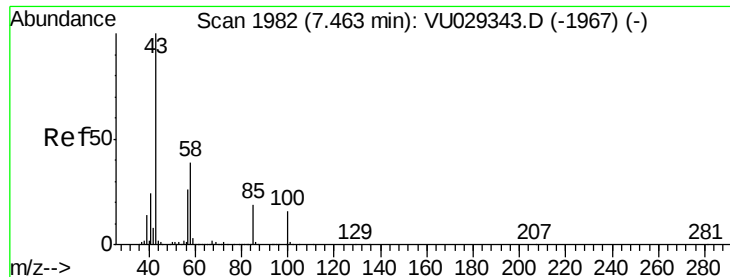
Ion Ratio Lower Upper

83 100

85 65.9 49.2 73.8

127 9.7 7.0 10.6





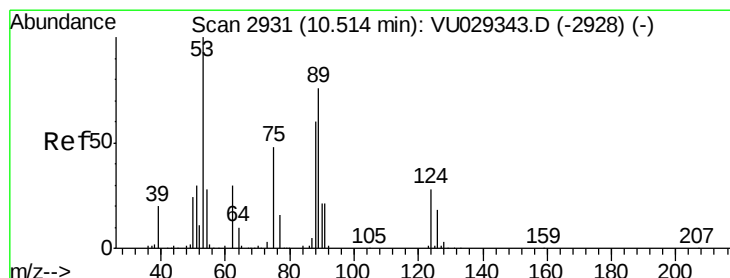
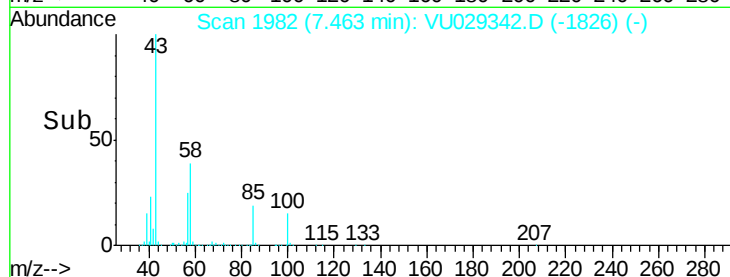
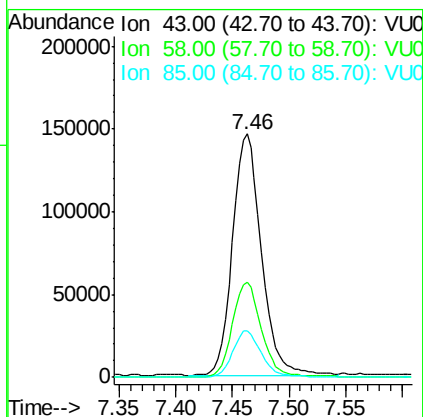
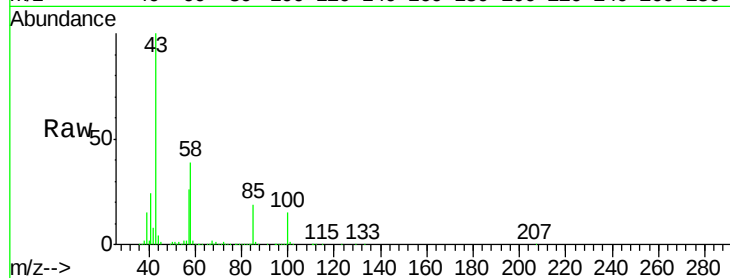
#45
4-Methyl-2-Pentanone
Concen: 25.429 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	17.6	52.8
85	19.0	12.3	18.5#

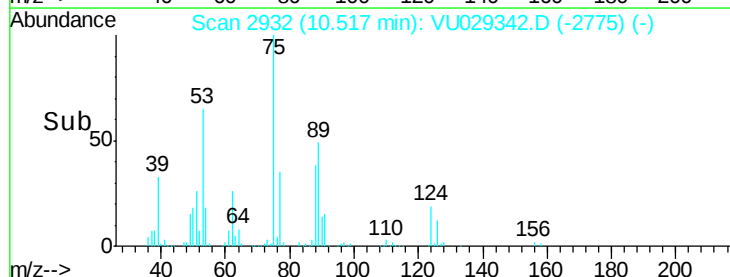
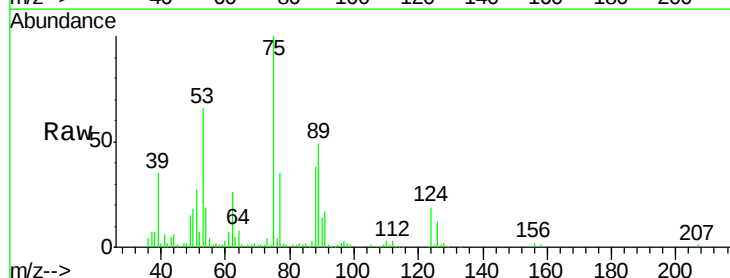
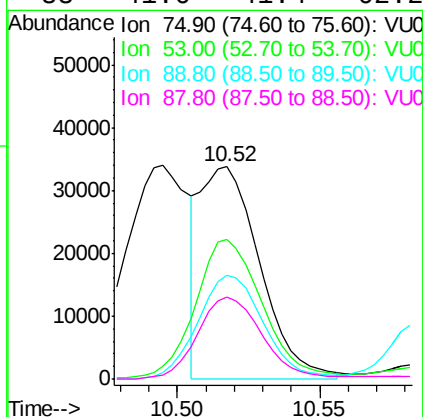
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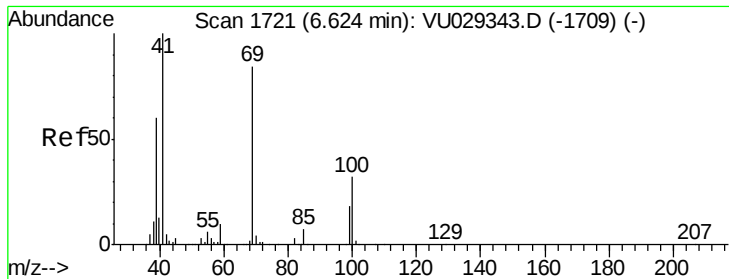
sam
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#46
t-1,4-Dichloro-2-butene
Concen: 9.950 ug/l m
RT: 10.52 min Scan# 2932
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
53	72.9	78.2	117.4#
89	54.1	44.2	66.4
88	41.6	41.4	62.2





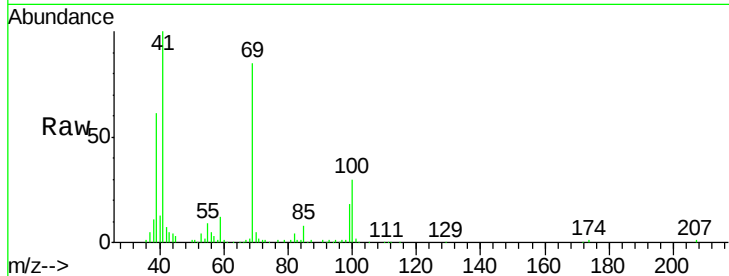
#47
Methyl methacrylate
Concen: 10.438 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

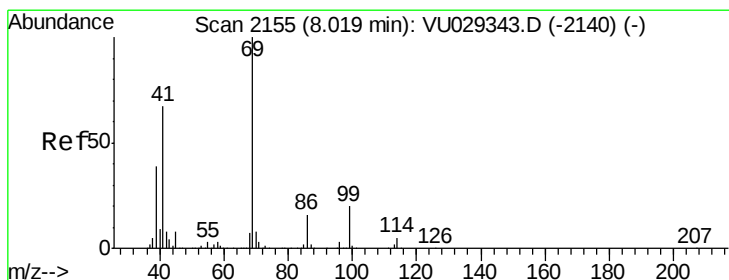
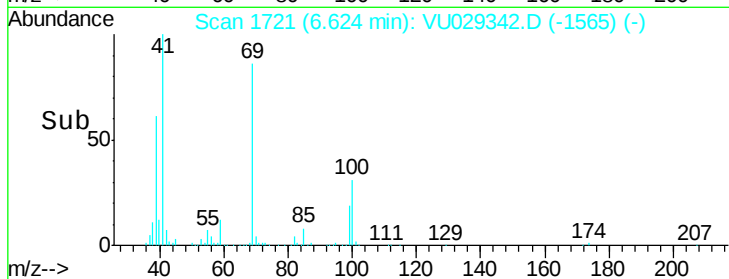
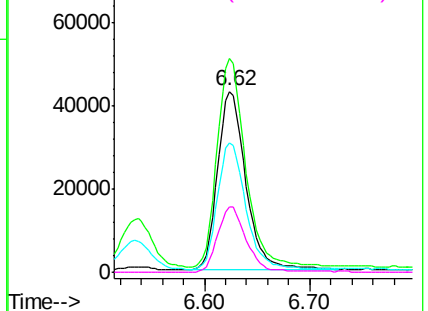
Tot Ion	Ratio	Lower	Upper
69	100		
41	115.8	0.0	296.2
39	70.5	71.2	106.8
100	36.9	28.6	42.8

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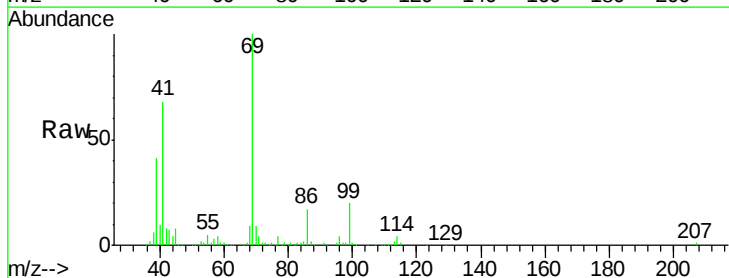


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

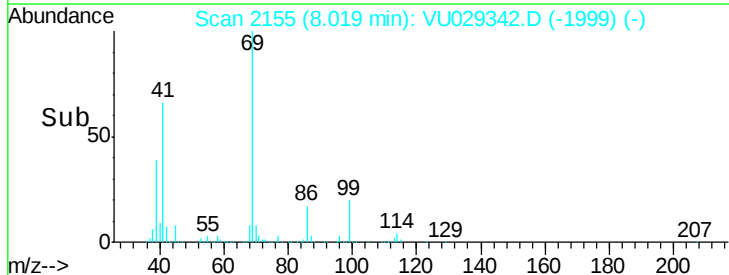
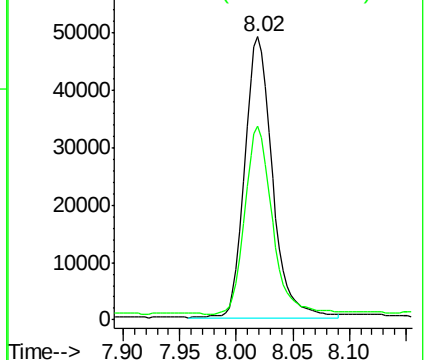


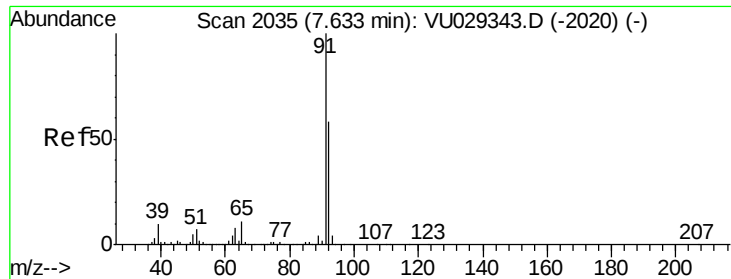
#48
Ethyl methacrylate
Concen: 5.089 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.9	39.9	119.7



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





#49

Toluene

Concen: 4.986 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 92 Resp: 200051

Ion Ratio Lower Upper

92 100

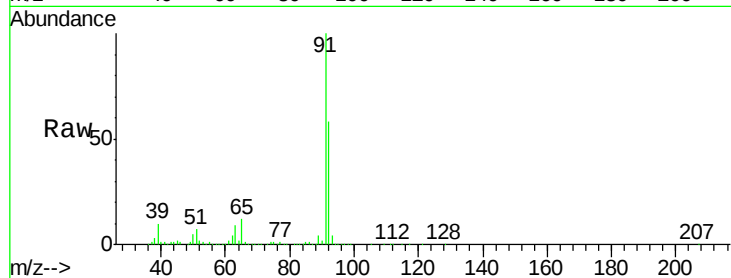
91 174.1 140.7 211.1

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

200000

150000

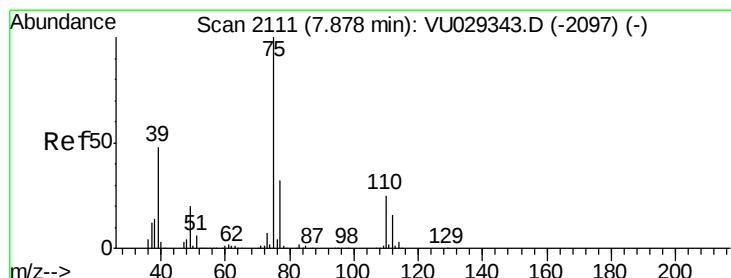
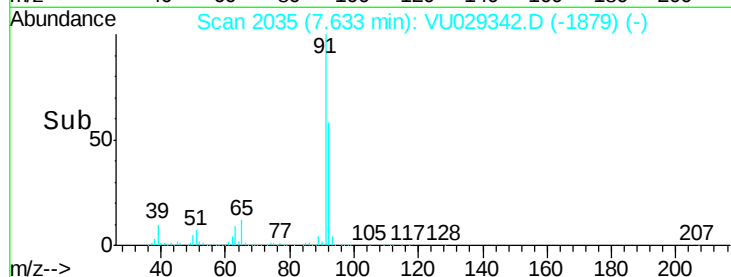
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#50

t-1,3-Dichloropropene

Concen: 5.071 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029342.D

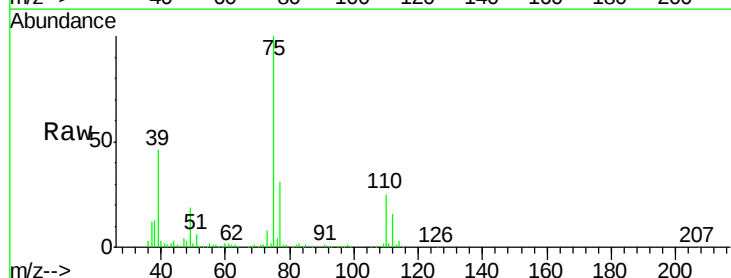
Acq: 05 Feb 2019 12:10

Tgt Ion: 75 Resp: 110086

Ion Ratio Lower Upper

75 100

77 30.4 23.6 35.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

60000

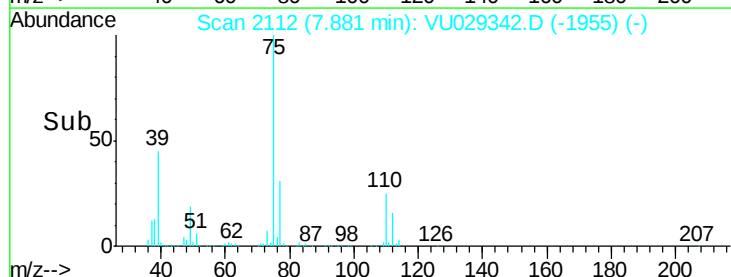
40000

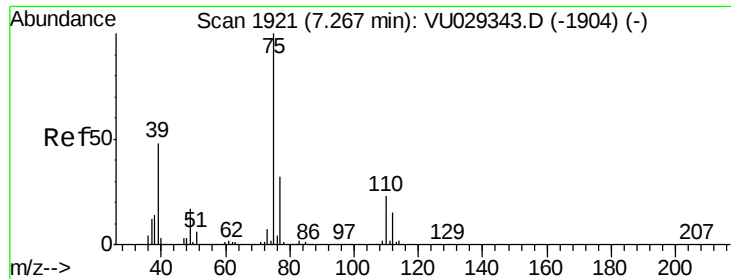
20000

0

7.80 7.90 8.00

Time-->





#51

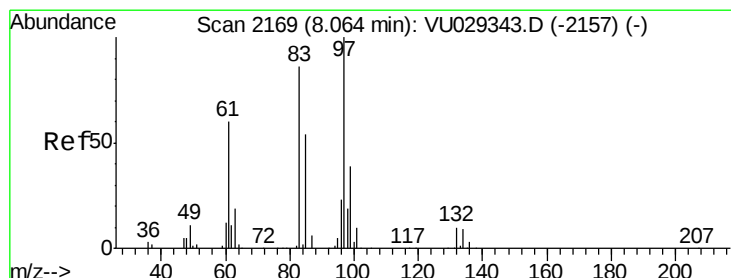
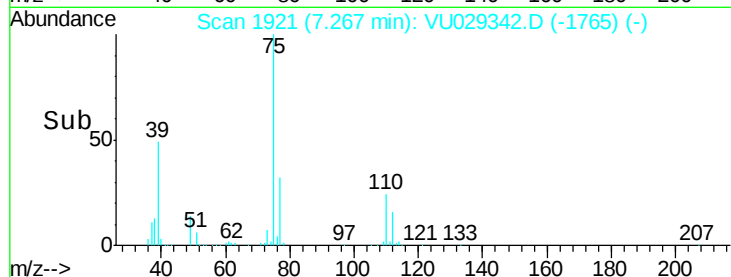
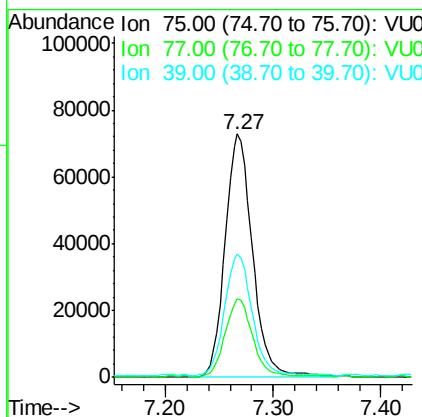
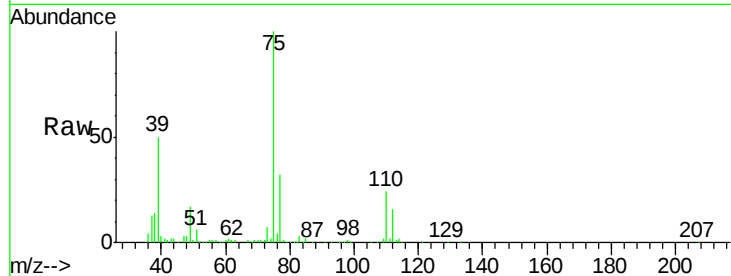
cis-1,3-Dichloropropene
Concen: 5.018 ug/l
RT: 7.27 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:	75	Resp:	129421
Ion Ratio	Lower	Upper	
75	100		
77	31.8	24.9	37.3
39	49.6	47.2	70.8

Manual Integrations
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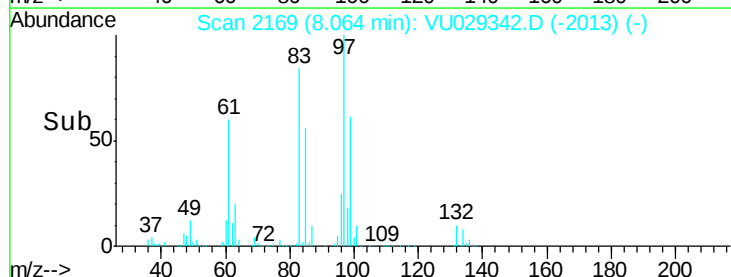
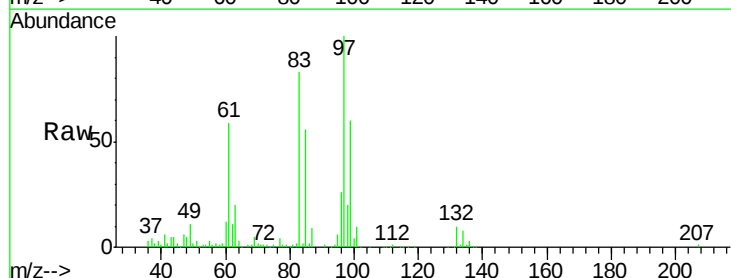
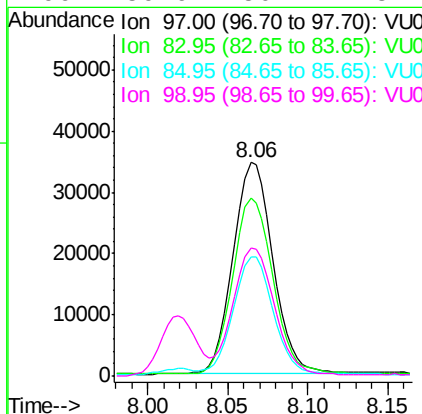
sam
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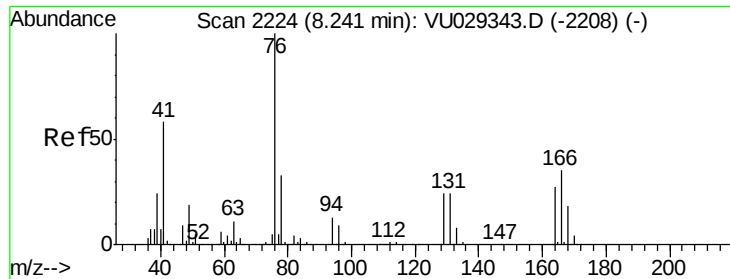


#52

1,1,2-Trichloroethane
Concen: 5.034 ug/l
RT: 8.06 min Scan# 2169
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Tgt Ion:	97	Resp:	57929
Ion Ratio	Lower	Upper	
97	100		
83	83.4	69.9	104.9
85	55.6	45.8	68.6
99	59.9	50.2	75.2





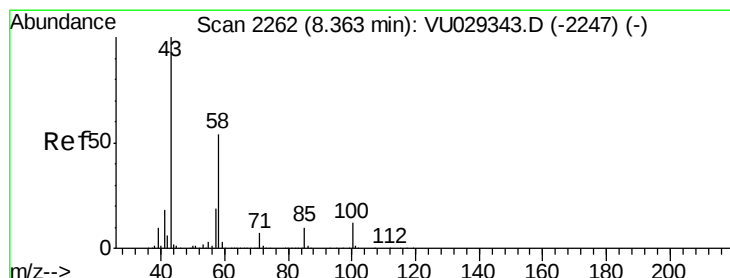
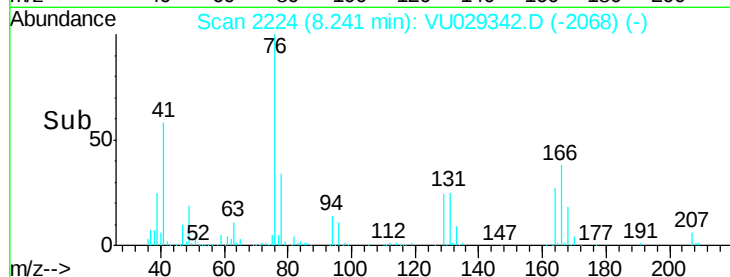
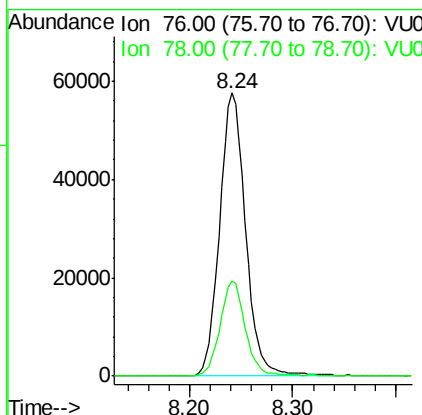
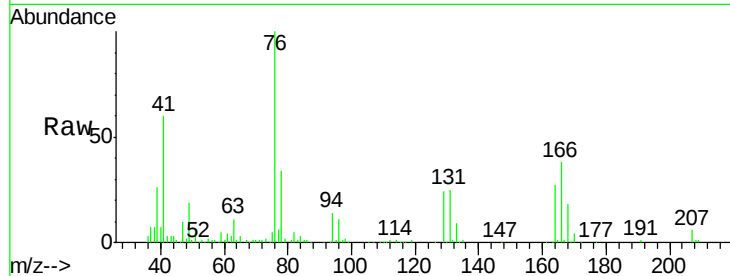
#53
 1,3-Dichloropropane
 Concen: 4.993 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029342.D
 Acq: 05 Feb 2019 12:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.3	39.5

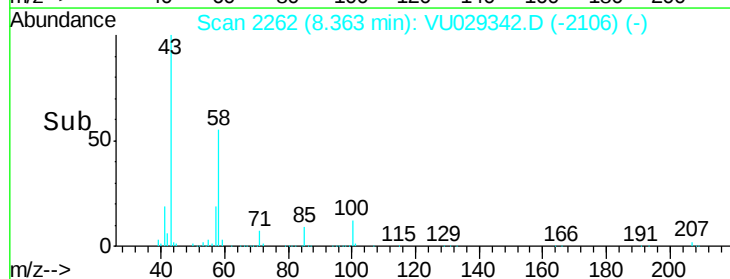
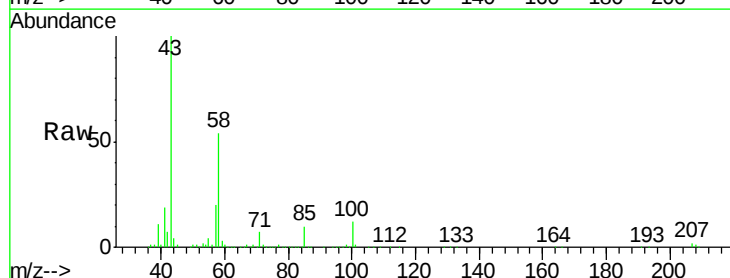
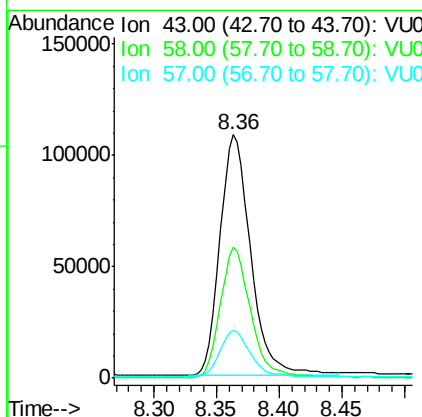
Manual Integrations
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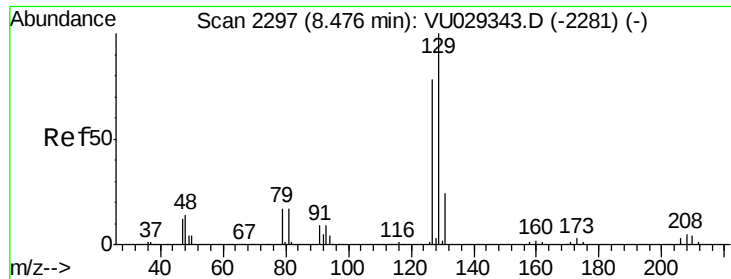
sam
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#54
 2-Hexanone
 Concen: 25.692 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU029342.D
 Acq: 05 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.8	26.0	66.0
57	18.7	0.0	37.7





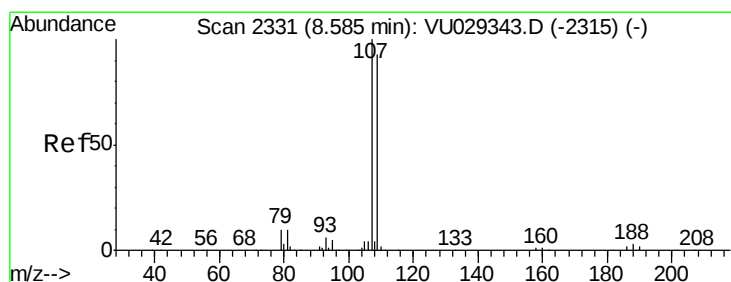
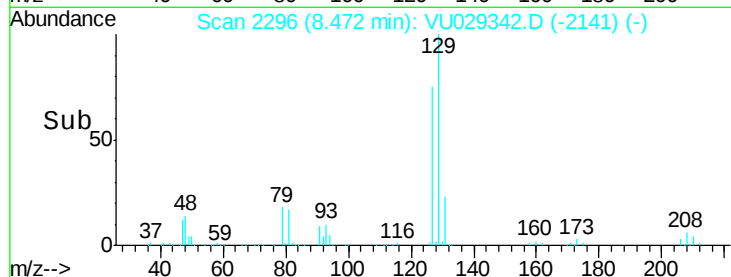
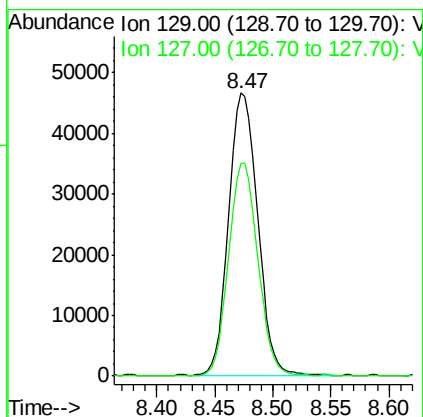
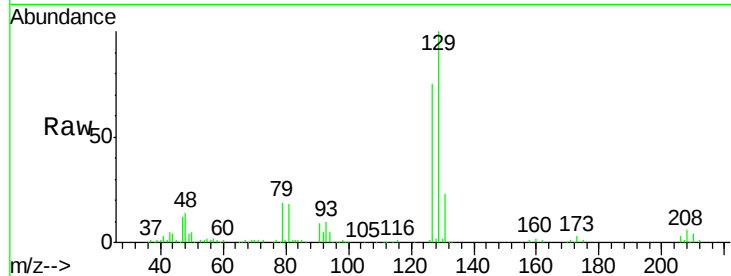
#55
 Dibromochloromethane
 Concen: 4.905 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: VU029342.D
 Acq: 05 Feb 2019 12:10

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.5	60.5	90.7

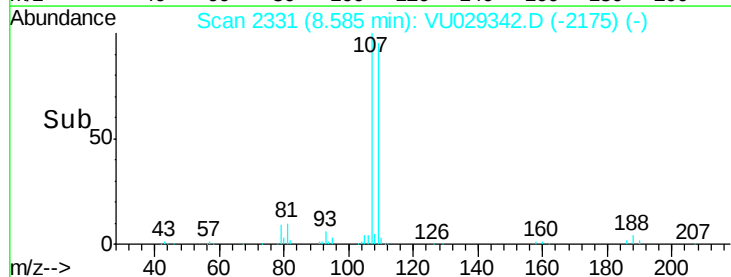
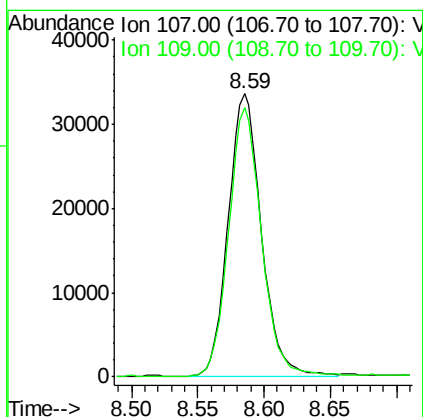
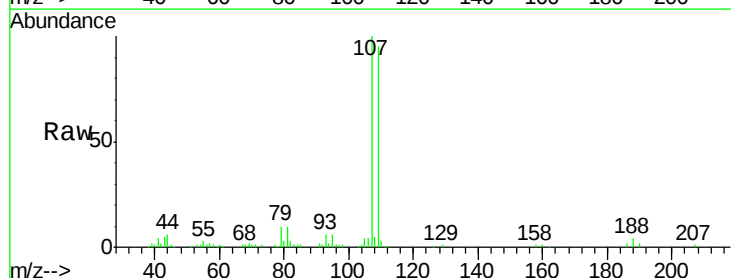
Manual Integrations
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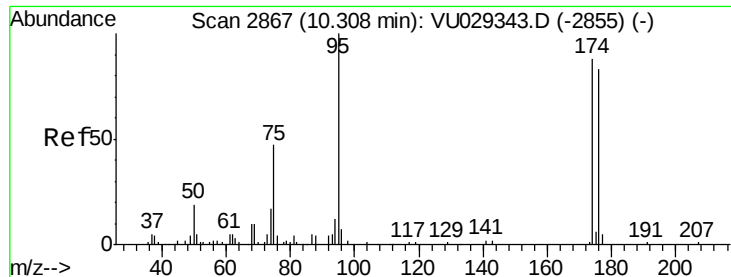
sam
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#56
 1,2-Dibromoethane
 Concen: 4.894 ug/l
 RT: 8.59 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU029342.D
 Acq: 05 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.2	0.0	189.6





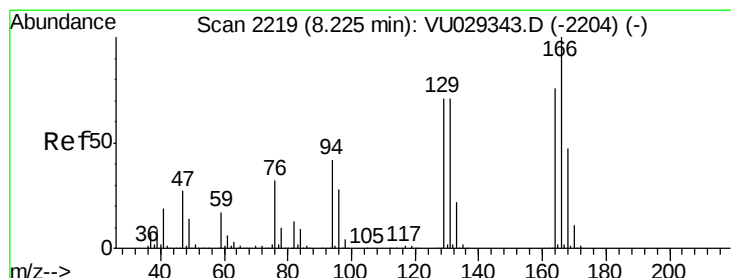
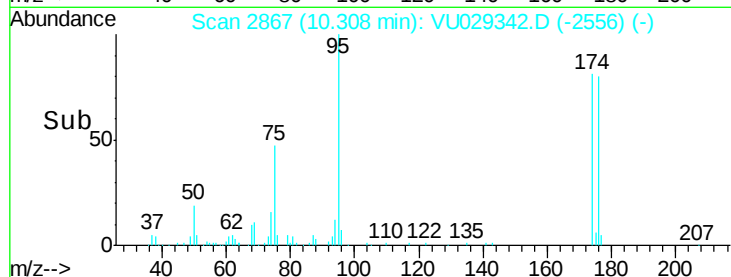
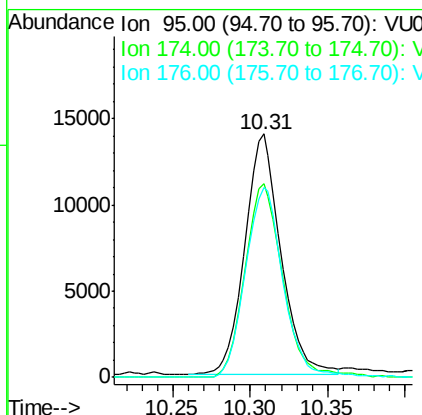
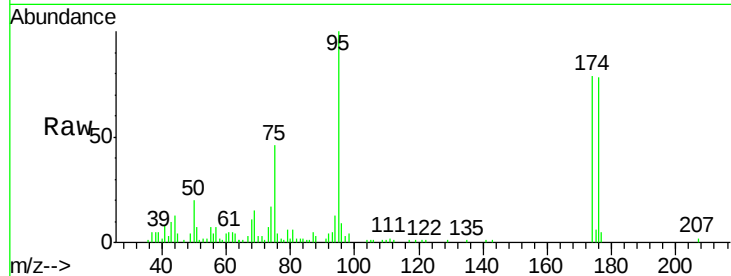
#57
4-Bromofluorobenzene
Concen: 4.894 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:	95	Resp:	22690
Ion Ratio	Lower	Upper	
95	100		
174	84.2	64.2	96.2
176	82.3	62.3	93.5

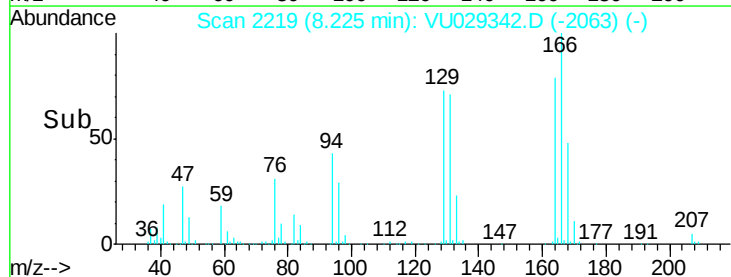
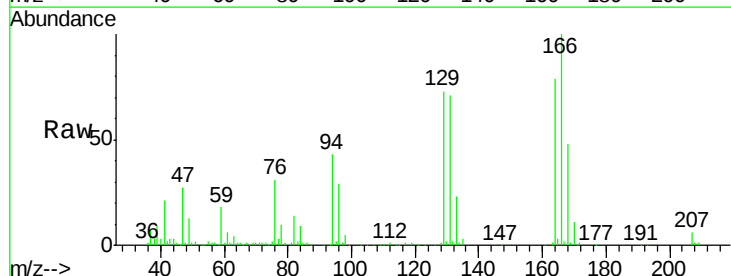
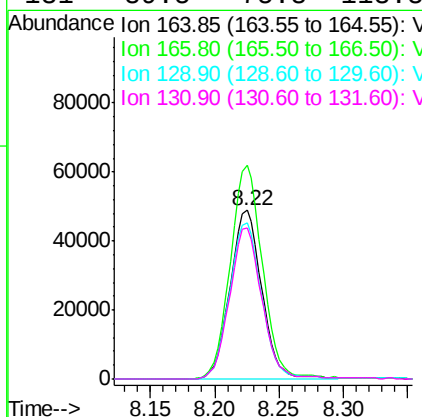
Manual Integrations
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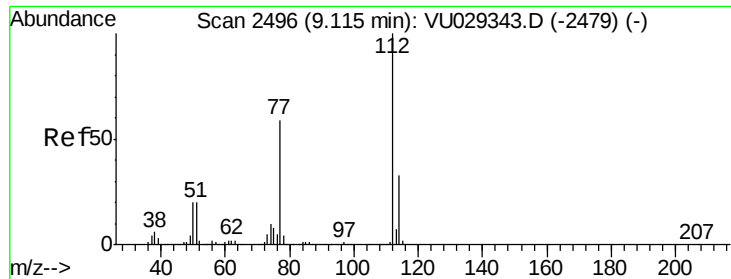
sam
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#58
Tetrachloroethene
Concen: 5.009 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Tgt Ion:	164	Resp:	83861
Ion Ratio	Lower	Upper	
164	100		
166	126.5	106.6	159.8
129	92.1	79.9	119.9
131	89.5	75.8	113.8





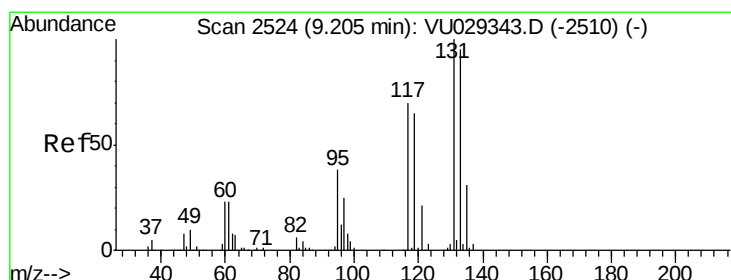
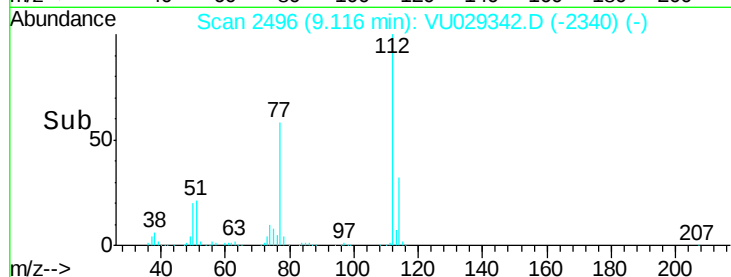
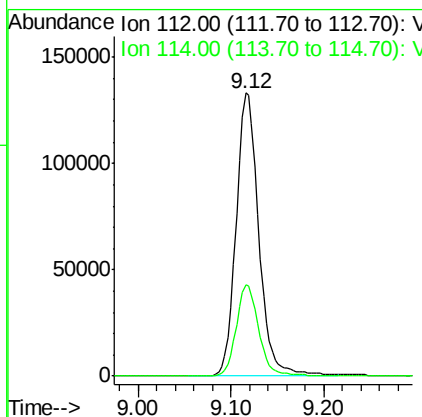
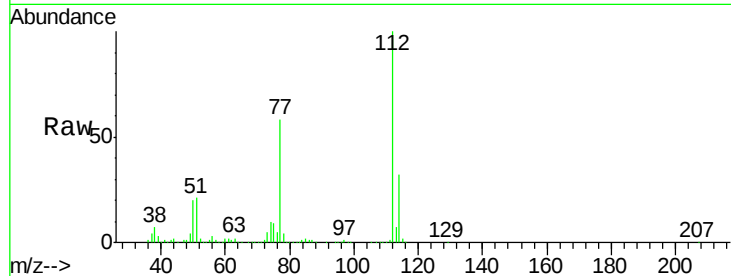
#59
Chlorobenzene
Concen: 5.008 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.2	39.4

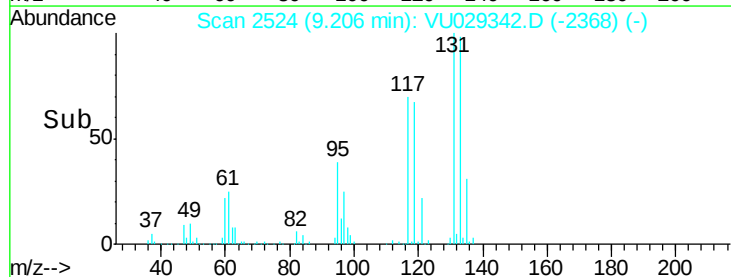
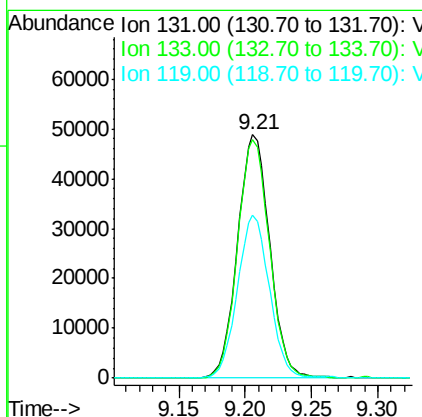
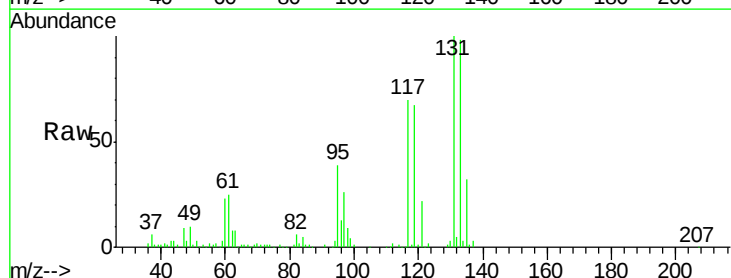
Manual Integrations
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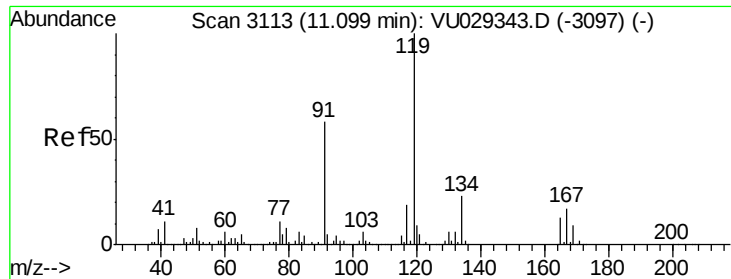
sam
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#60
1,1,1,2-Tetrachloroethane
Concen: 4.950 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.3	77.3	115.9
119	66.2	48.9	73.3





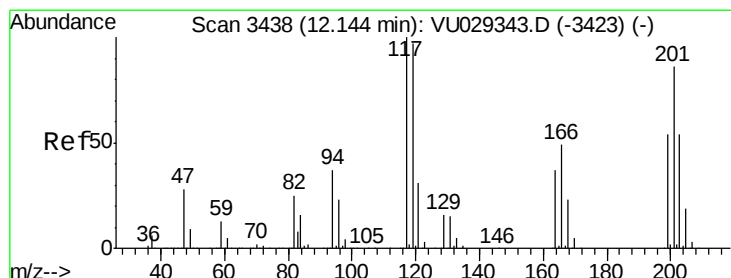
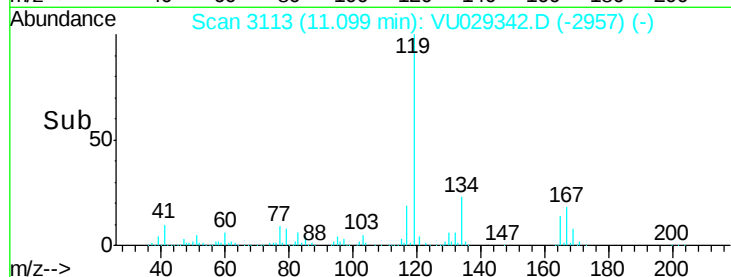
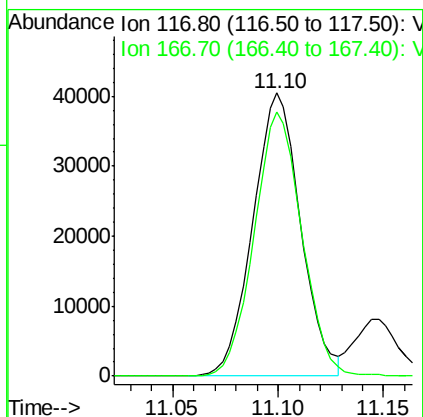
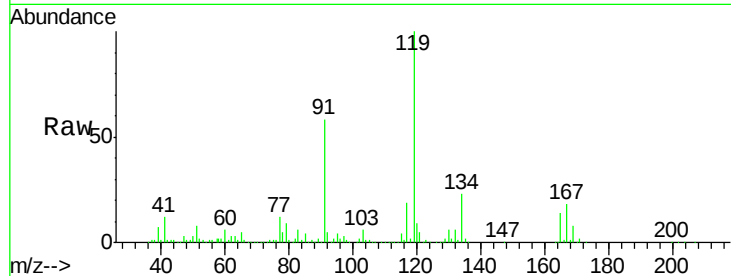
#61
 Pentachloroethane
 Concen: 4.924 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU029342.D
 Acq: 05 Feb 2019 12:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
167	93.0	65.9	98.9

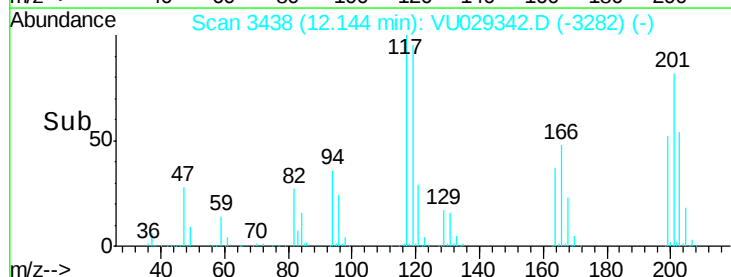
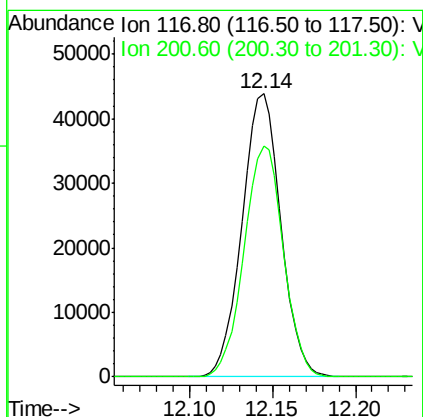
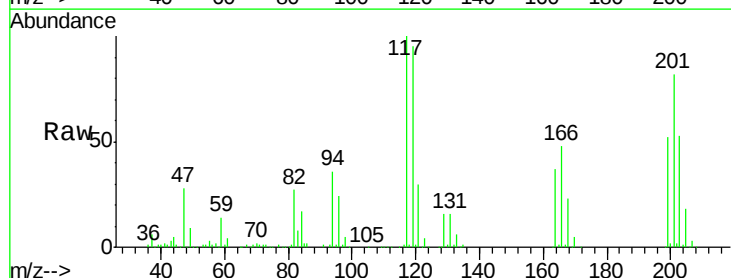
Manual Integrations
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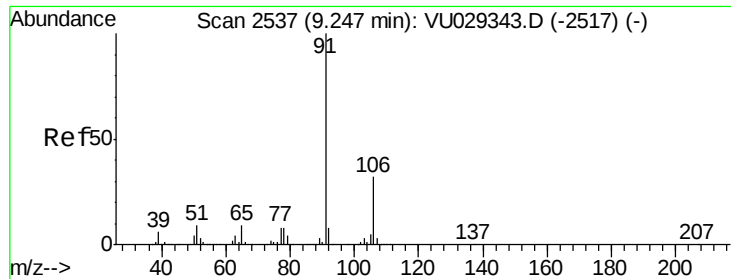
sam
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#62
 Hexachloroethane
 Concen: 5.061 ug/l
 RT: 12.14 min Scan# 3438
 Delta R.T. 0.00 min
 Lab File: VU029342.D
 Acq: 05 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.5	68.2	102.2





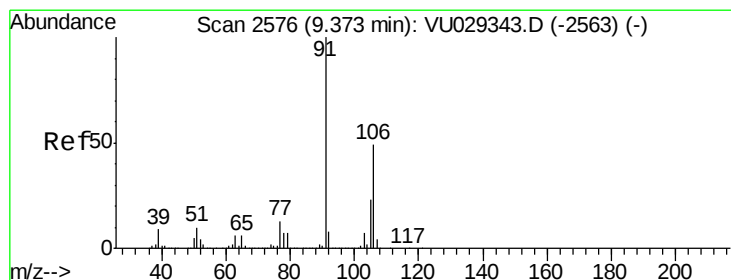
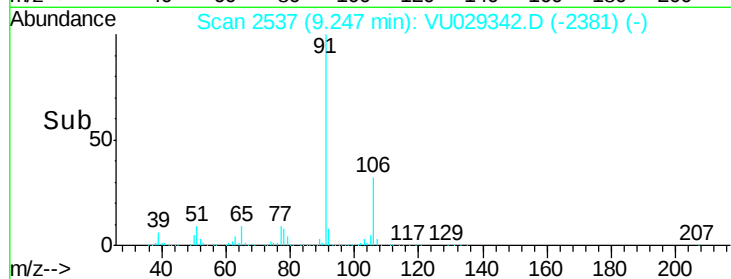
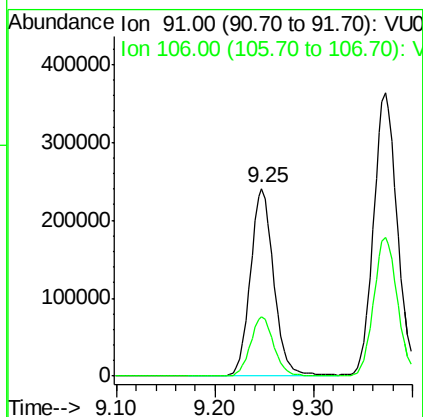
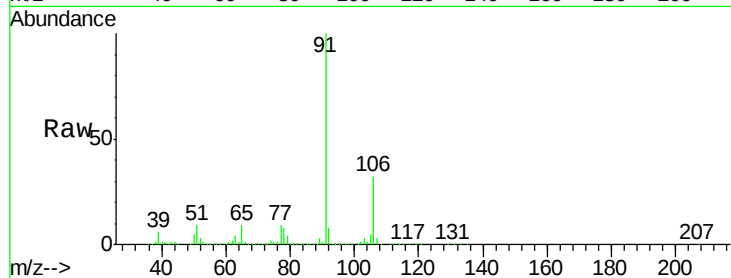
#63
Ethyl Benzene
Concen: 4.983 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.0	23.8	35.6

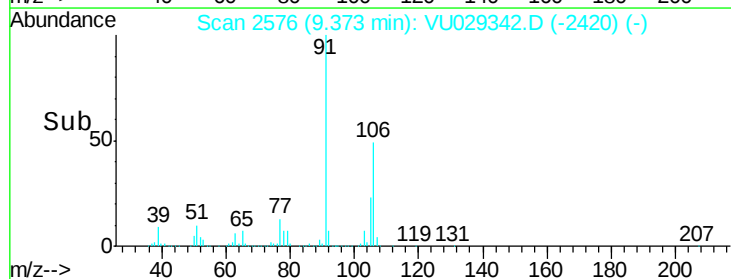
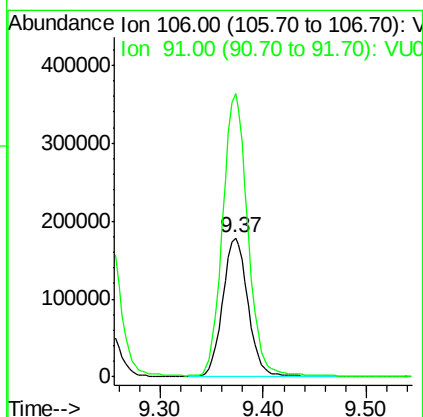
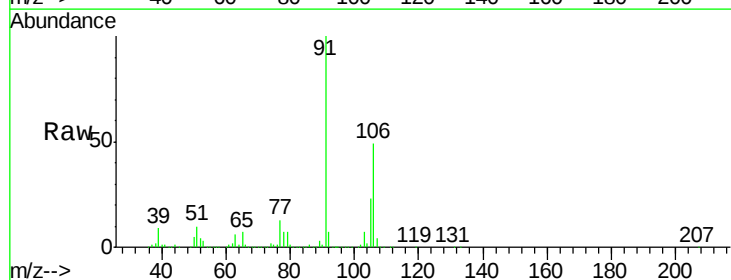
Manual Integrations
APPROVED

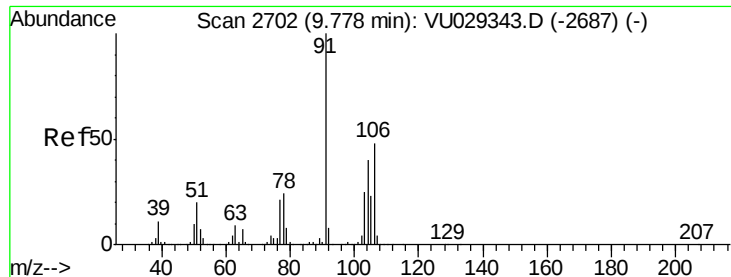
sam
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#64
m/p-Xylenes
Concen: 9.954 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.2	174.6	261.8





#65

o-Xylene

Concen: 4.936 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:106 Resp: 147778

Ion Ratio Lower Upper

106 100

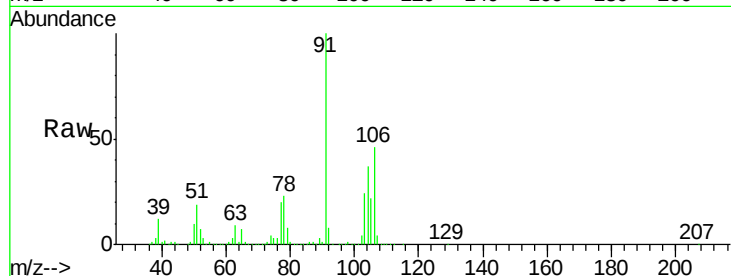
91 216.1 114.5 343.4

Manual Integrations

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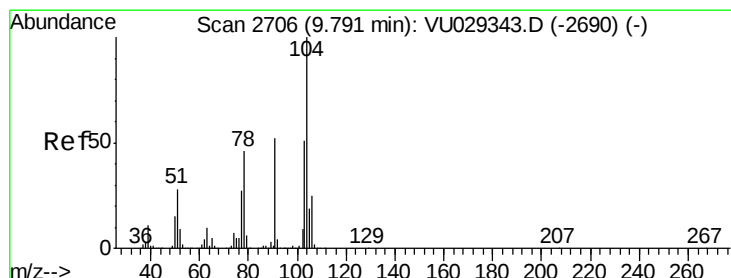
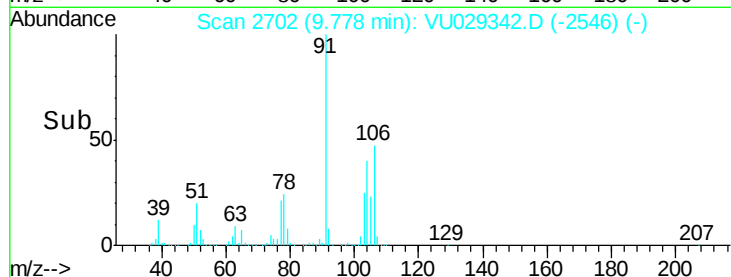
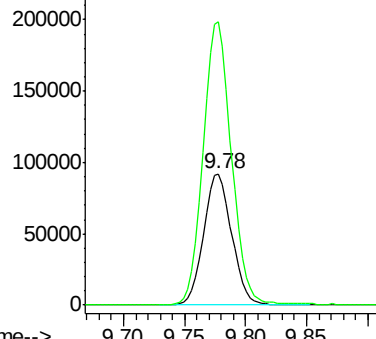
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 4.993 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

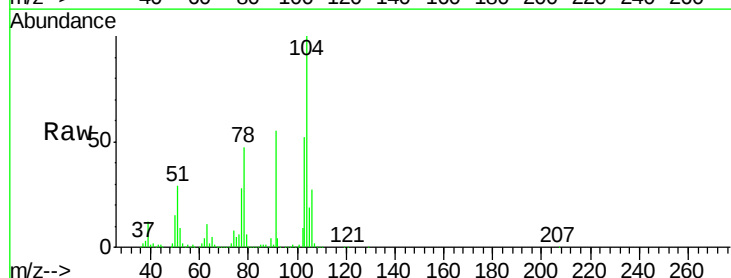
Tgt Ion:104 Resp: 249222

Ion Ratio Lower Upper

104 100

78 51.1 46.5 69.7

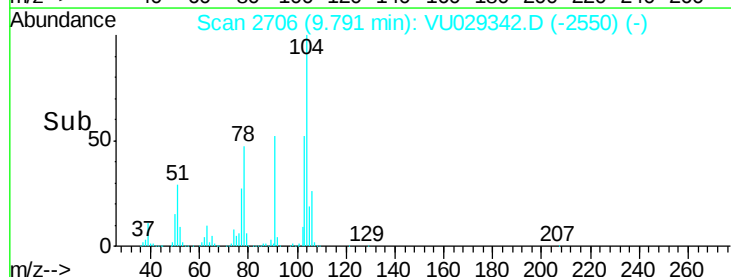
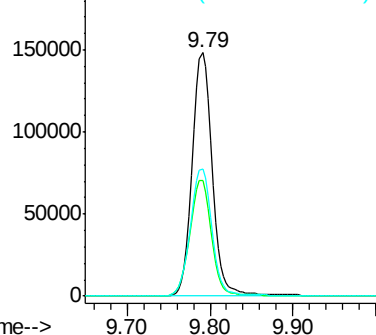
103 56.2 44.7 67.1

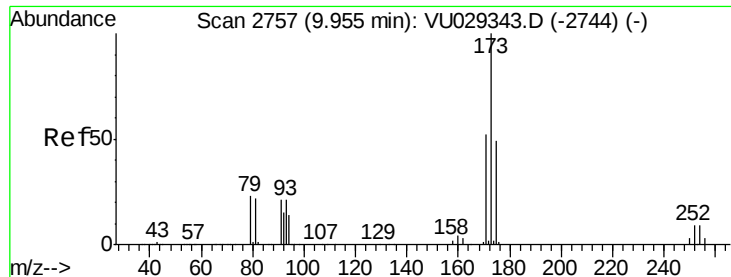


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





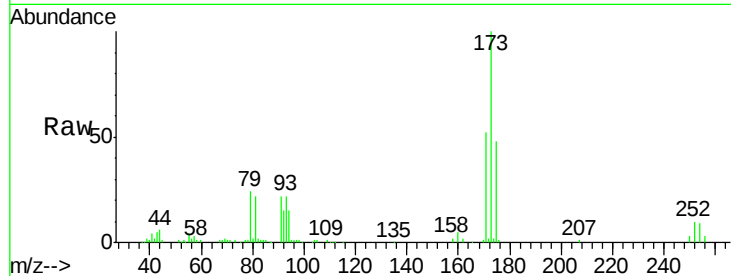
#67
Bromoform
Concen: 4.940 ug/l
RT: 9.96 min Scan# 2758
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

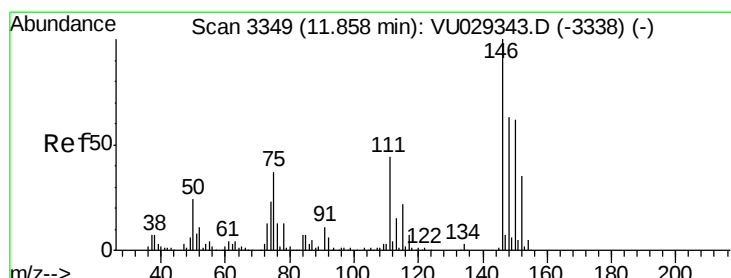
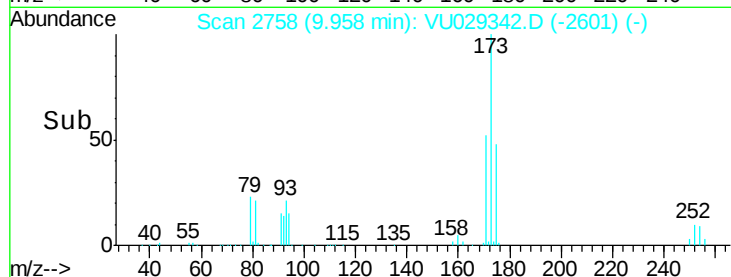
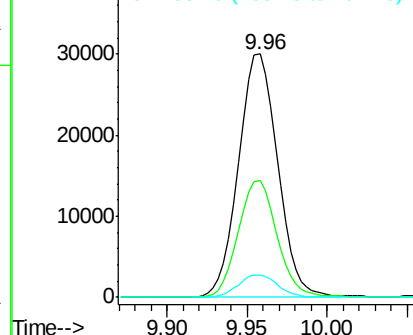
Tot Ion:	173	Resp:	50259
Ion Ratio	Lower	Upper	
173	100		
175	47.6	38.9	58.3
254	9.1	7.4	11.2

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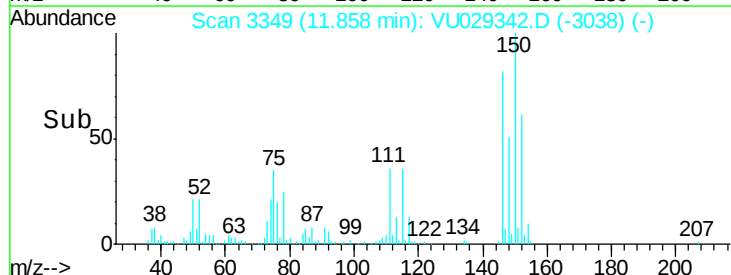
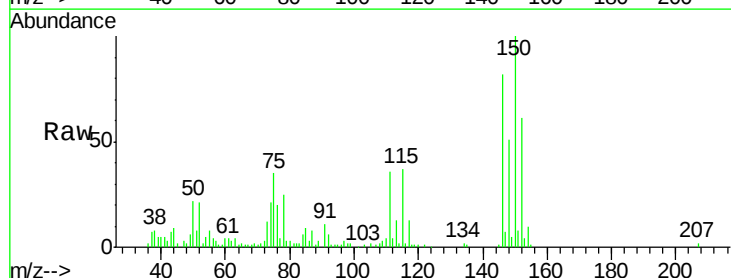
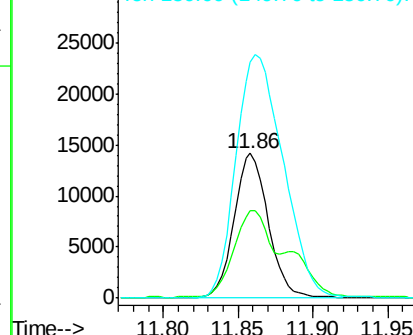
Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

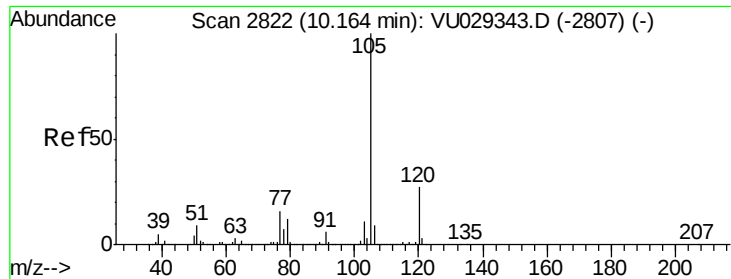


#68
1,2-Dichlorobenzene-d4
Concen: 4.940 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Tgt Ion:	152	Resp:	22537
Ion Ratio	Lower	Upper	
152	100		
115	66.2	0.0	133.4
150	232.8	0.0	670.8

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: 5.033 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 402583

Ion Ratio Lower Upper

105 100

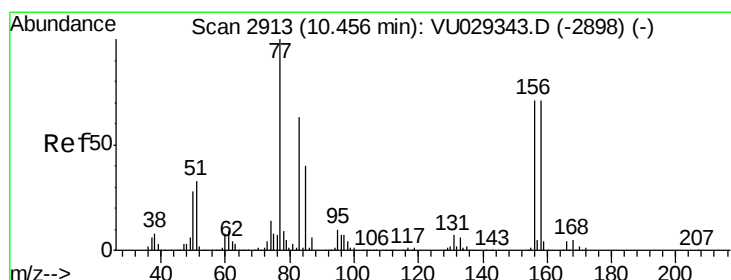
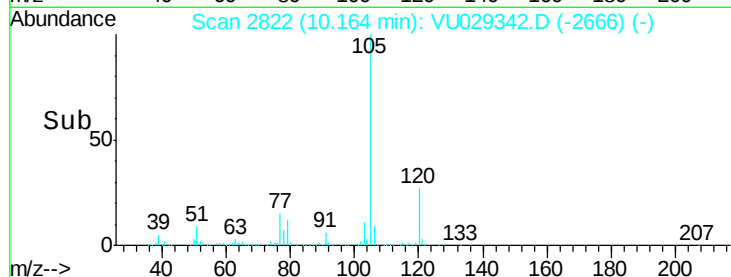
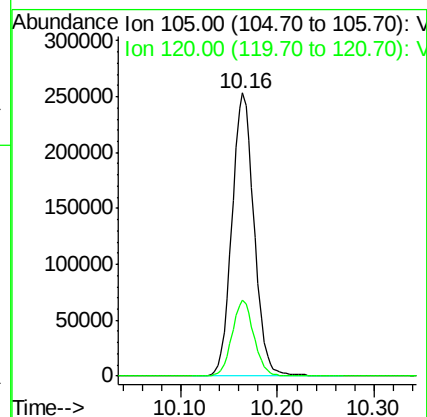
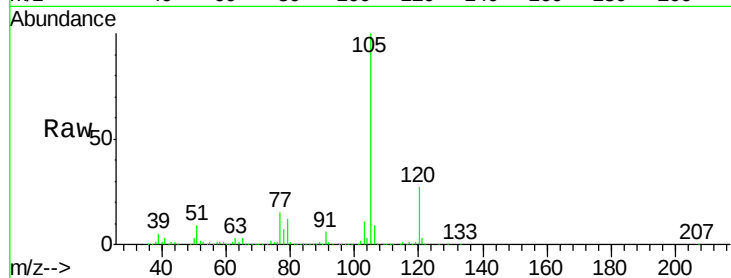
120 26.5 12.6 37.6

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#70

1,1,2,2-Tetrachloroethane

Concen: 4.935 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

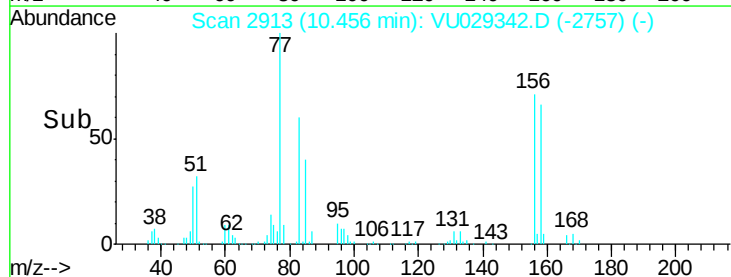
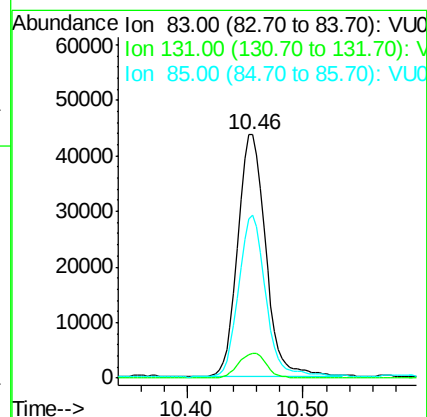
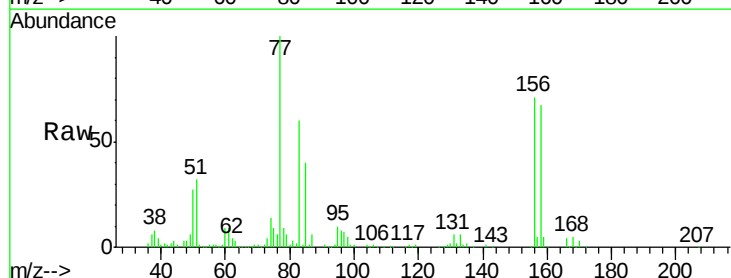
Tgt Ion: 83 Resp: 72778

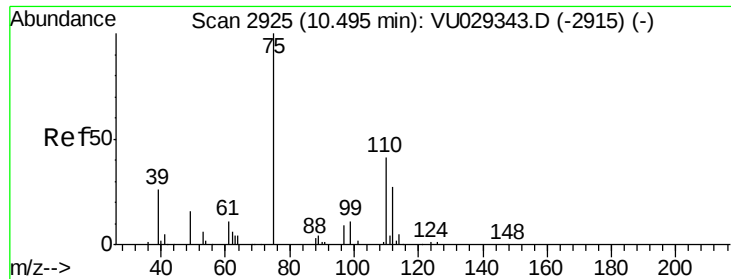
Ion Ratio Lower Upper

83 100

131 10.3 8.1 12.1

85 65.4 50.3 75.5





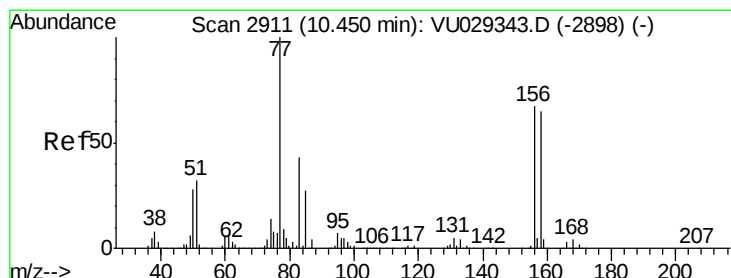
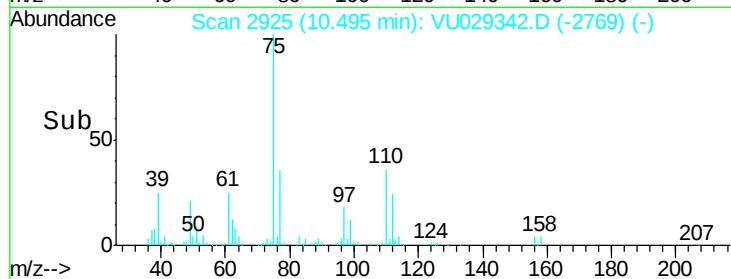
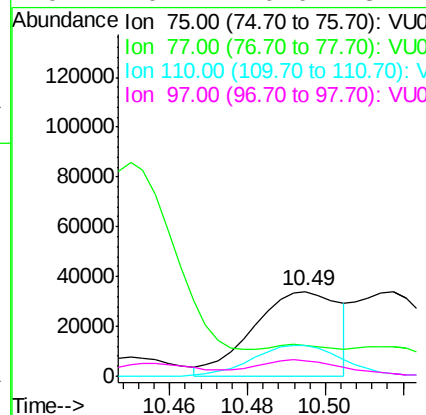
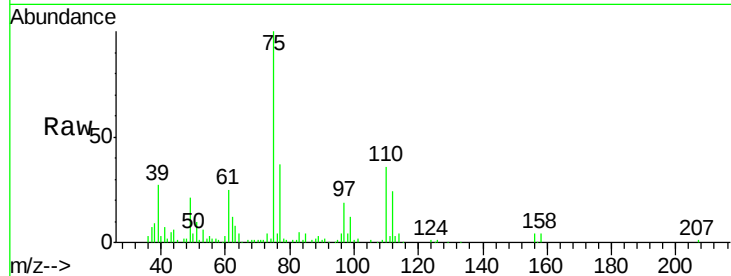
#71
 1,2,3-Trichloropropane
 Concen: 5.080 ug/l m
 RT: 10.49 min Scan# 2925
 Delta R.T. 0.00 min
 Lab File: VU029342.D
 Acq: 05 Feb 2019 12:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	39.3	0.0	63.6
97	19.2	0.0	31.4

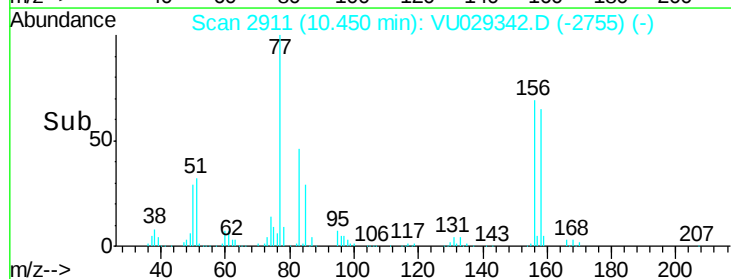
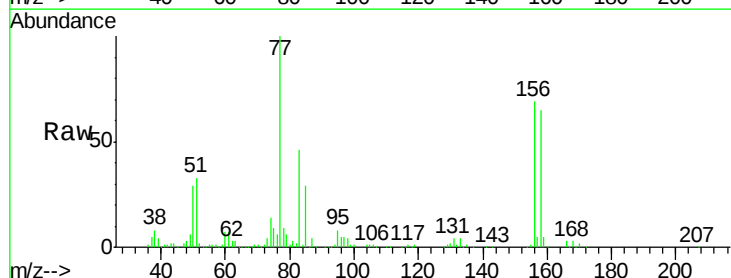
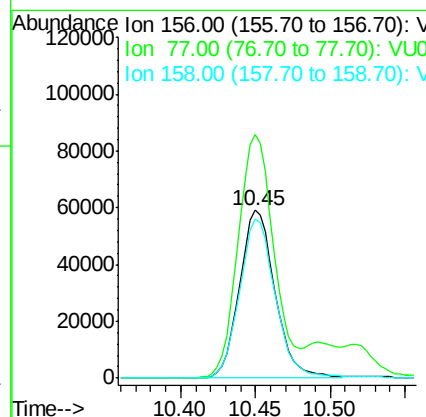
Manual Integrations
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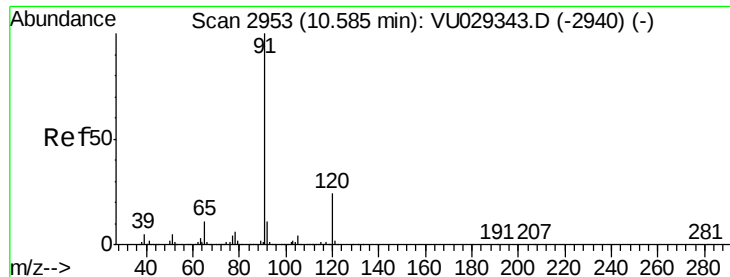
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#72
 Bromobenzene
 Concen: 5.034 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. 0.00 min
 Lab File: VU029342.D
 Acq: 05 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
156	100		
77	145.6	0.0	343.8
158	96.2	0.0	195.0





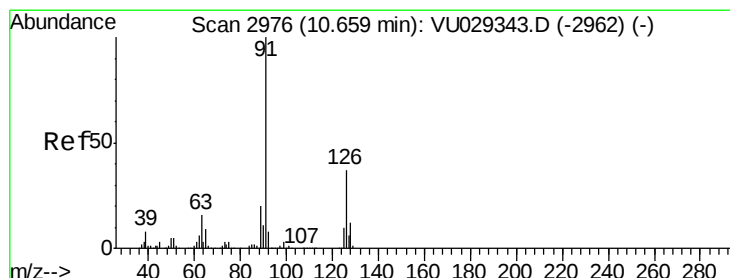
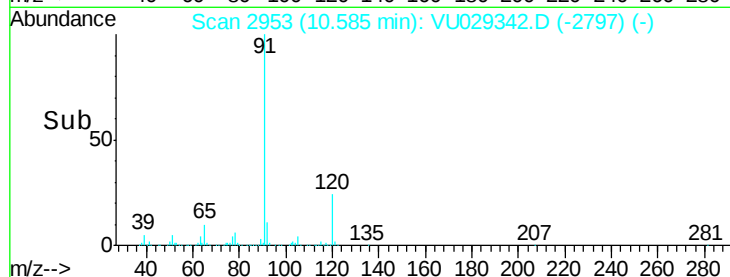
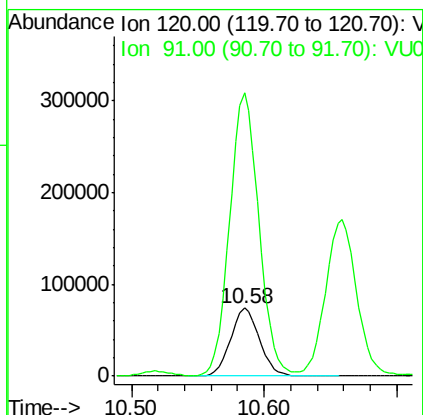
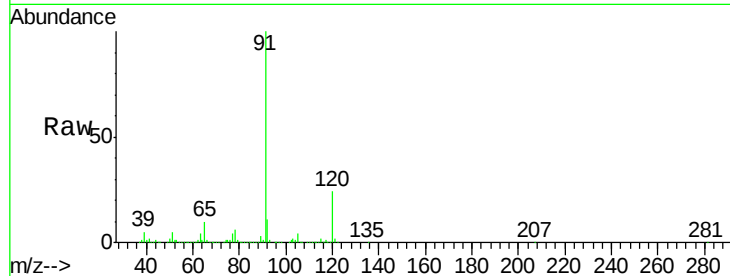
#73
n-propylbenzene
Concen: 5.051 ug/l
RT: 10.58 min Scan# 2953
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
120	100		
91	416.9	370.0	555.0

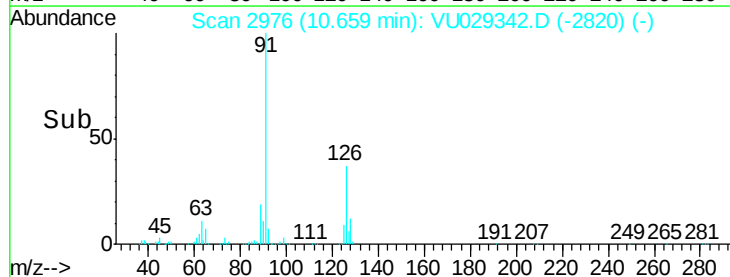
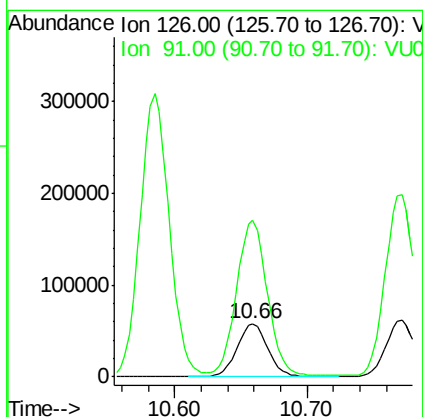
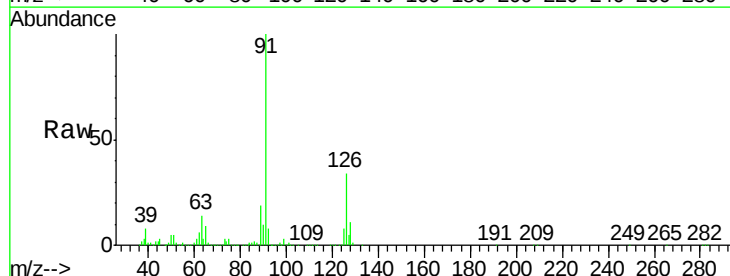
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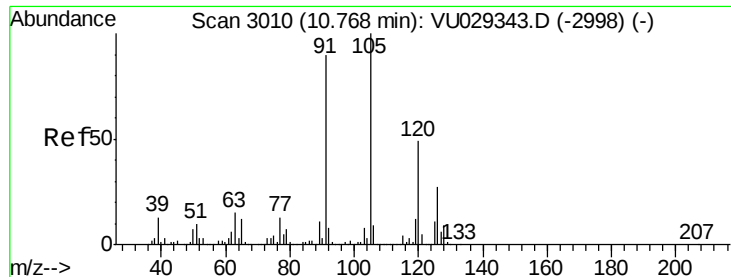
sam
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#74
2-Chlorotoluene
Concen: 4.950 ug/l
RT: 10.66 min Scan# 2976
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
126	100		
91	290.2	0.0	643.0





#75

1,3,5-Trimethylbenzene

Concen: 4.953 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 341553

Ion Ratio Lower Upper

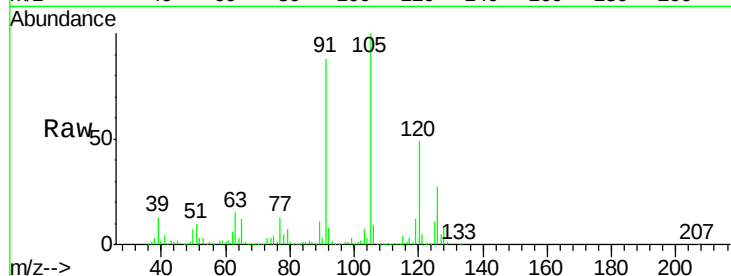
105 100

120 49.3 37.3 55.9

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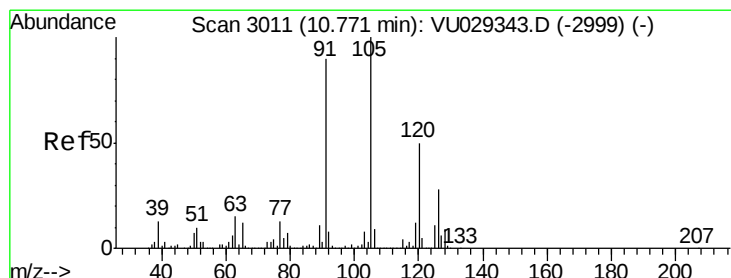
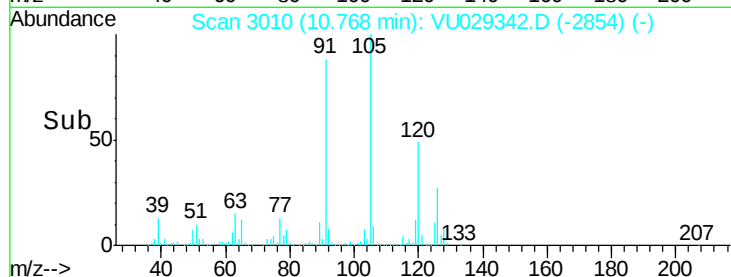
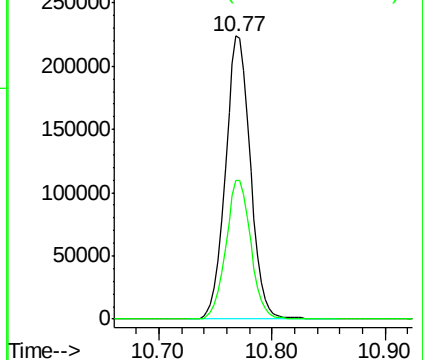
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 4.912 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029342.D

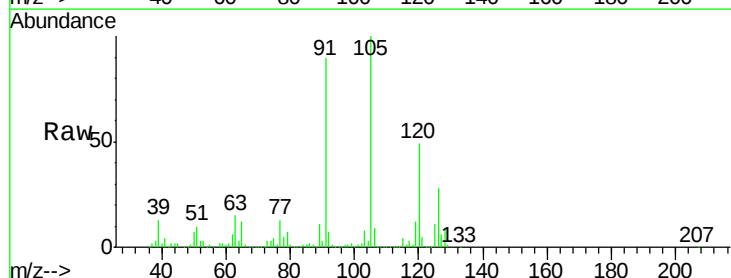
Acq: 05 Feb 2019 12:10

Tgt Ion:126 Resp: 96729

Ion Ratio Lower Upper

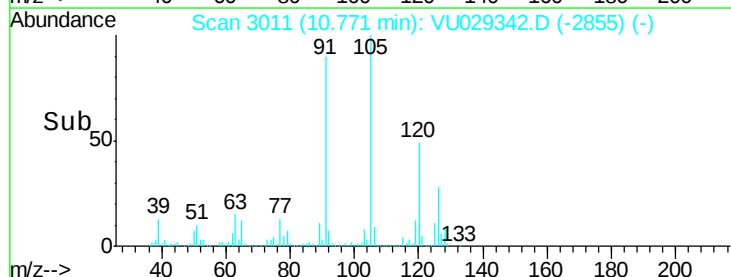
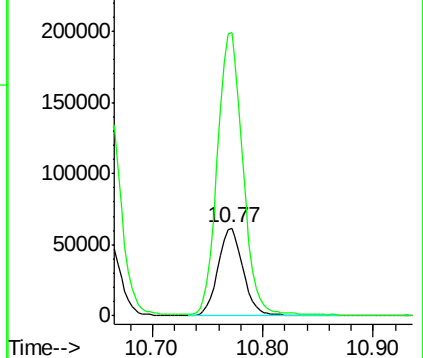
126 100

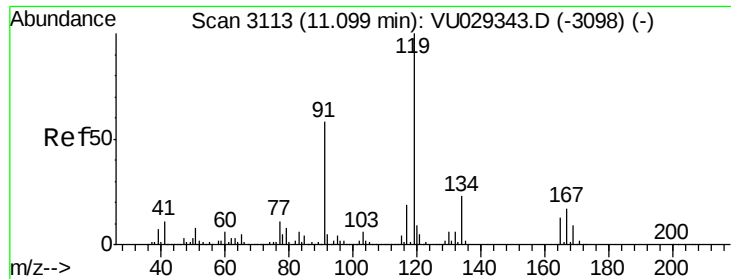
91 329.8 0.0 727.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 4.971 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

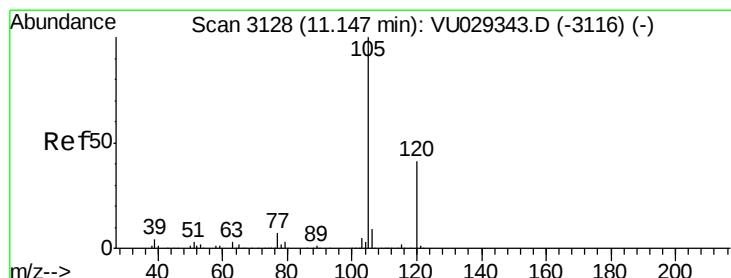
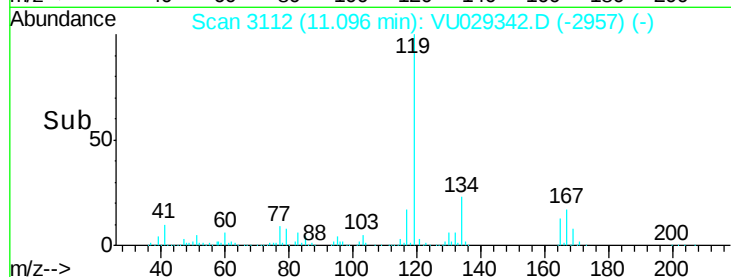
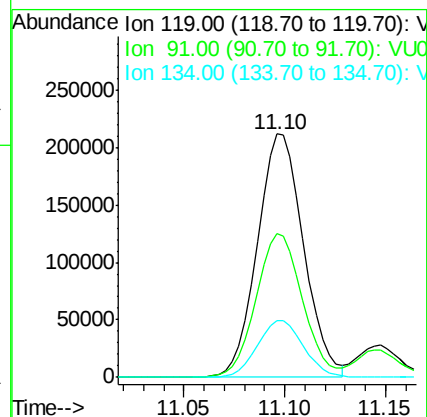
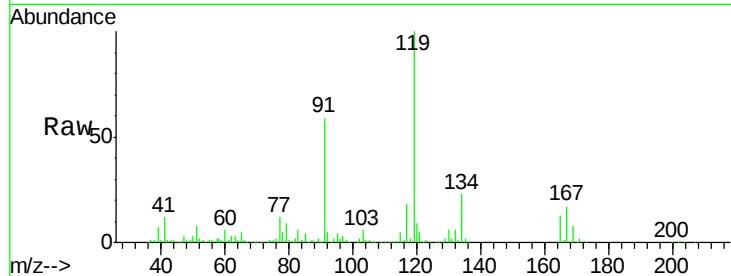
VSTDIC005

Tot Ion:	119	Resp:	338889
Ion Ratio	Lower	Upper	
119	100		
91	58.9	32.2	96.6
134	23.3	17.6	26.4

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#78

1,2,4-Trimethylbenzene

Concen: 4.917 ug/l

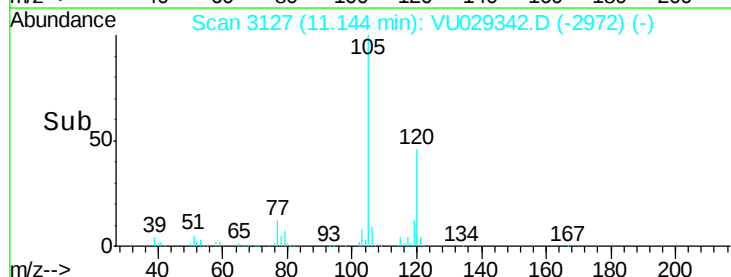
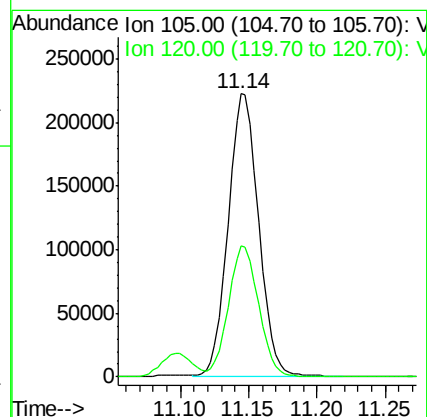
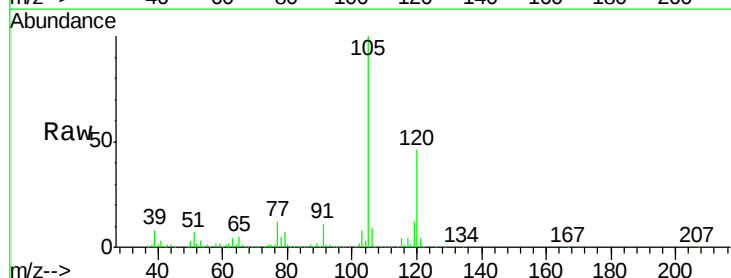
RT: 11.14 min Scan# 3127

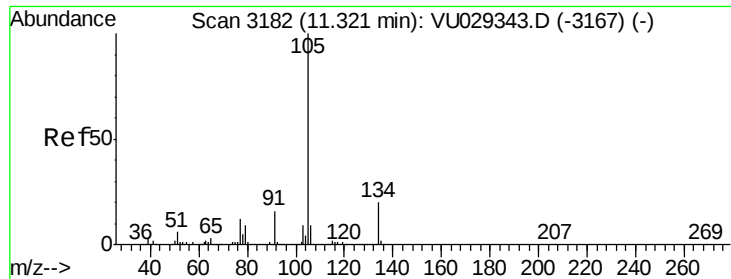
Delta R.T. -0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Tgt Ion:	105	Resp:	343287
Ion Ratio	Lower	Upper	
105	100		
120	46.4	21.4	64.3





#79

sec-Butylbenzene

Concen: 5.012 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 447013

Ion Ratio Lower Upper

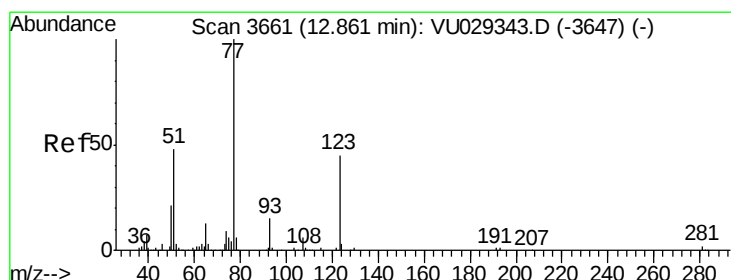
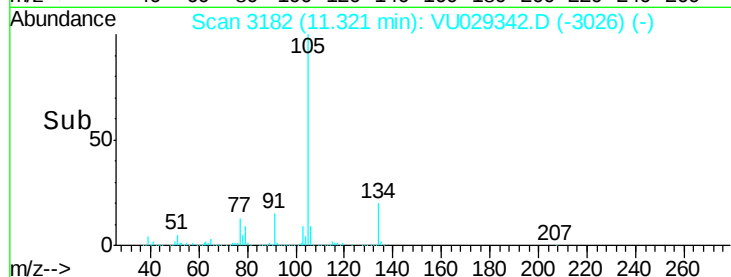
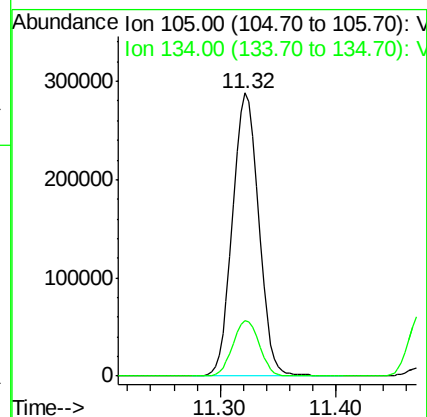
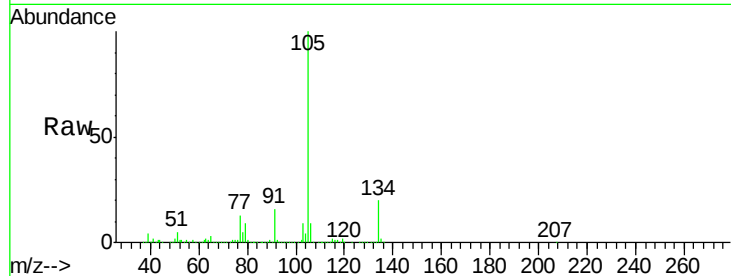
105 100

134 20.1 15.0 22.6

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#80

Nitrobenzene

Concen: 24.762 ug/l

RT: 12.86 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

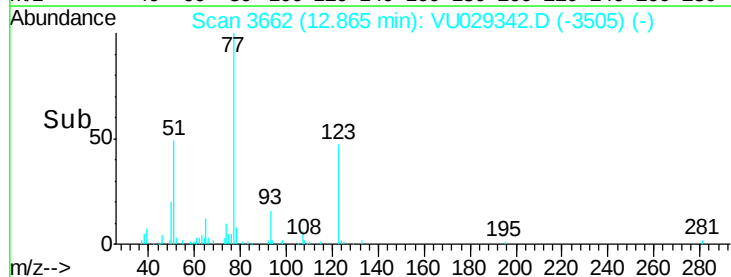
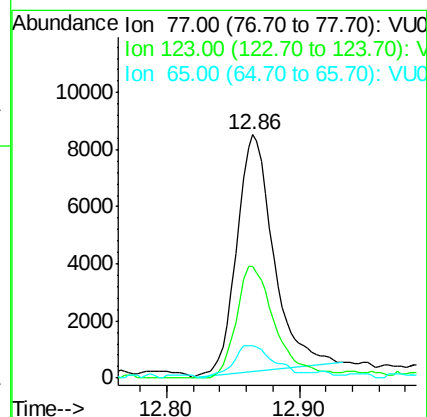
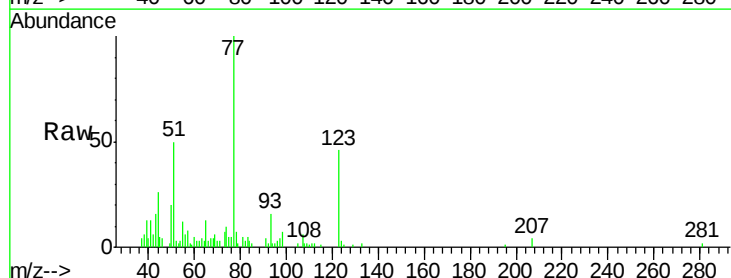
Tgt Ion: 77 Resp: 16127

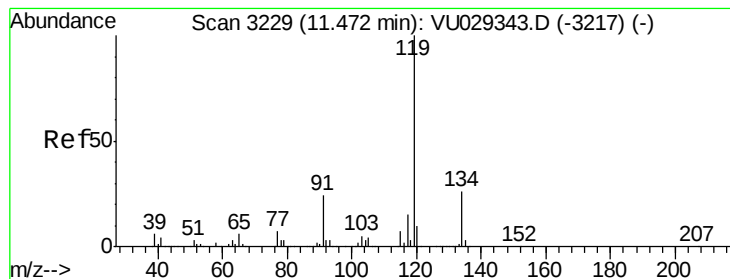
Ion Ratio Lower Upper

77 100

123 46.7 17.5 61.9

65 12.9 10.8 13.8





#81

p-Isopropyltoluene

Concen: 4.931 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

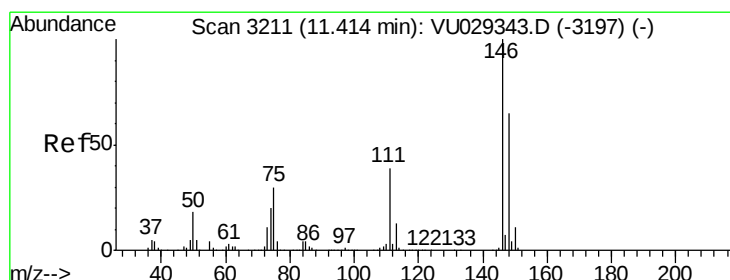
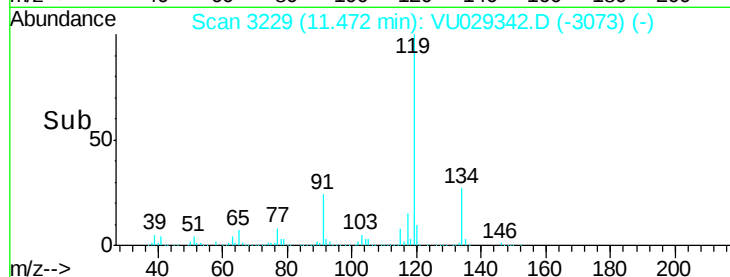
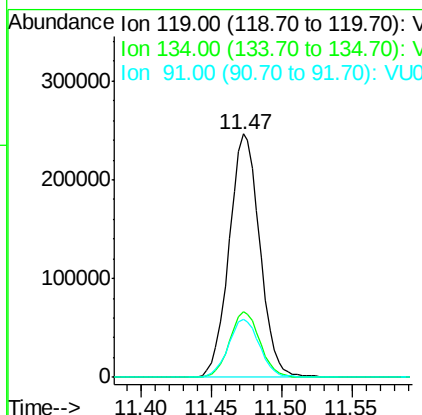
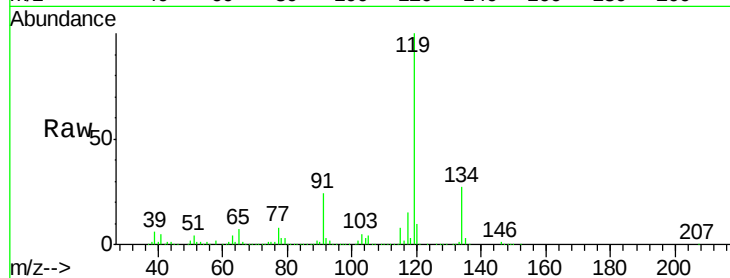
VSTDIC005

Tot Ion:	119	Resp:	372808
Ion Ratio	Lower	Upper	
119	100		
134	26.9	19.8	29.6
91	24.1	21.5	32.3

Manual Integrations
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#82

1,3-Dichlorobenzene

Concen: 5.023 ug/l

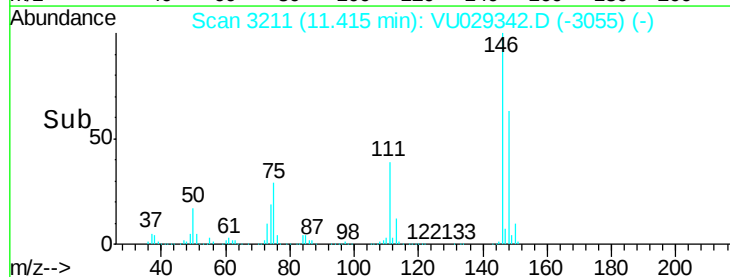
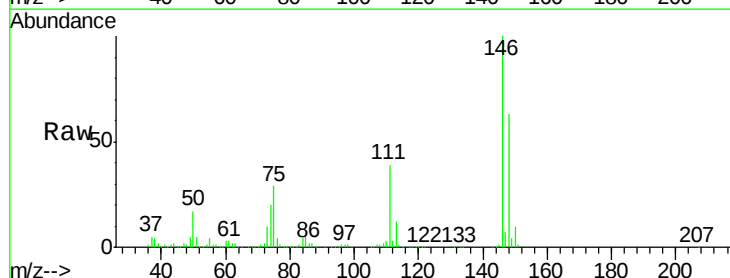
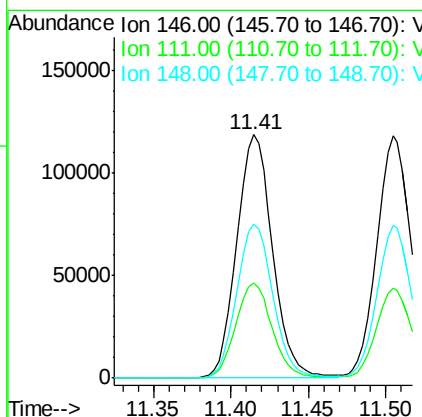
RT: 11.41 min Scan# 3211

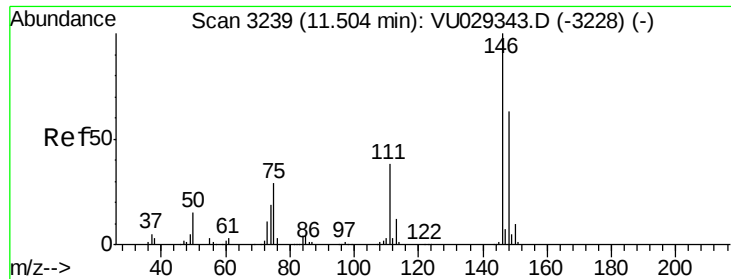
Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Tgt Ion:	146	Resp:	191094
Ion Ratio	Lower	Upper	
146	100		
111	39.4	34.1	51.1
148	63.9	52.3	78.5





#83

1,4-Dichlorobenzene

Concen: 4.938 ug/l

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampleId :

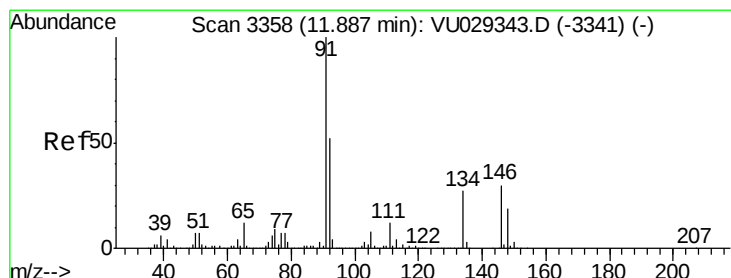
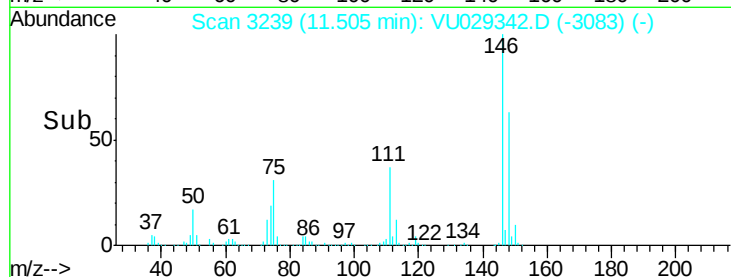
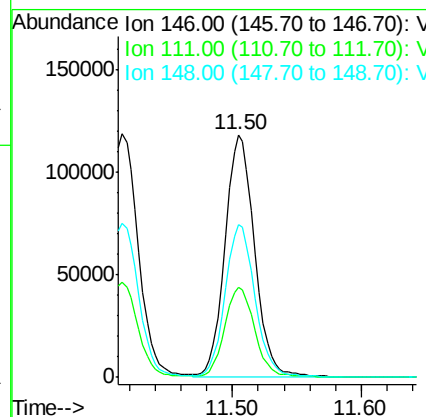
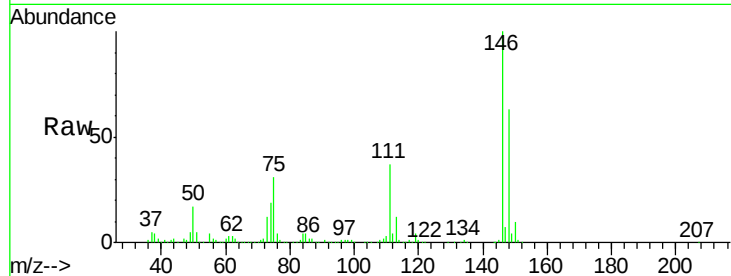
VSTDIC005

Tot Ion:	146	Resp:	187093
Ion Ratio	Lower	Upper	
146	100		
111	37.3	32.9	49.3
148	64.1	51.8	77.6

Manual Integrations
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#84

n-Butylbenzene

Concen: 4.959 ug/l

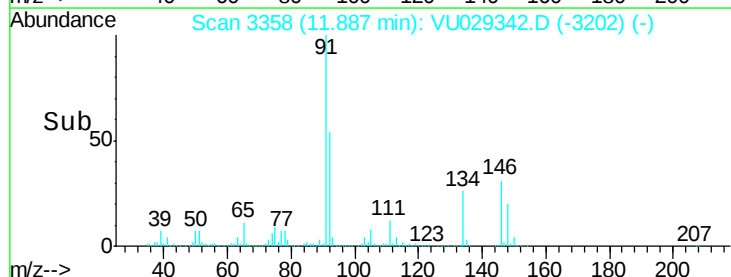
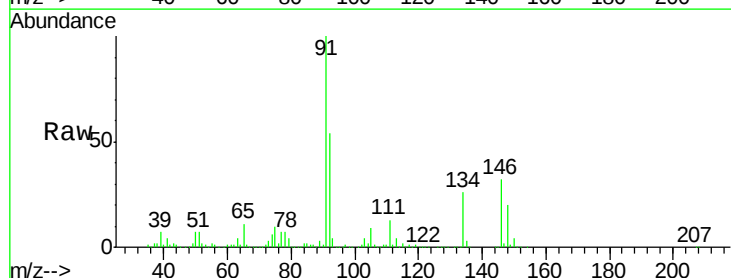
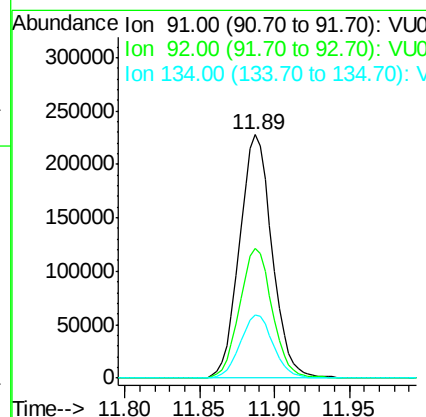
RT: 11.89 min Scan# 3358

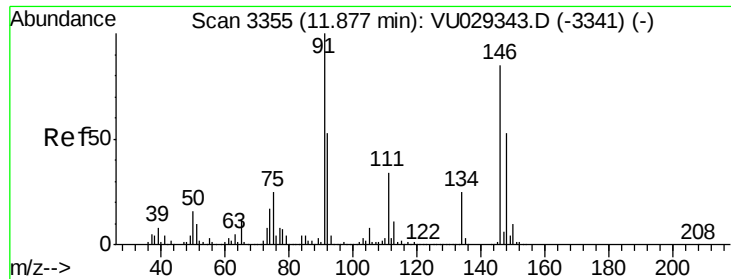
Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Tgt Ion:	91	Resp:	344055
Ion Ratio	Lower	Upper	
91	100		
92	53.8	41.0	61.6
134	26.4	19.1	28.7





#85

1,2-Dichlorobenzene

Concen: 4.955 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Instrument :

MSVOA_U

ClientSampled :

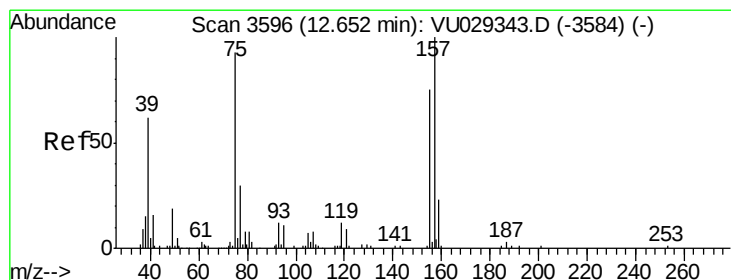
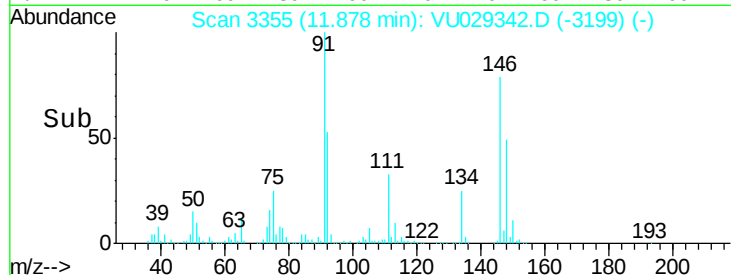
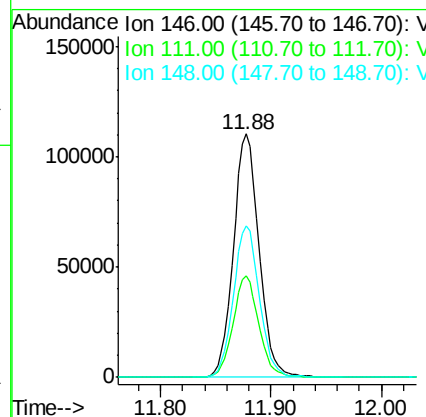
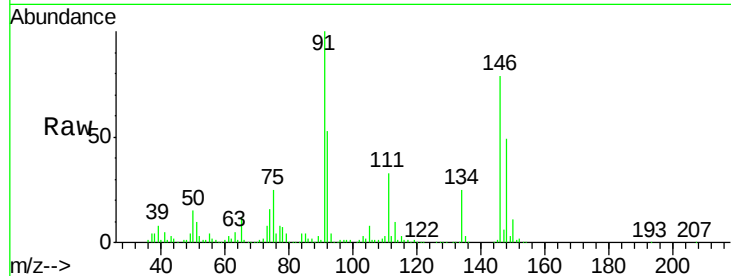
VSTDIC005

Tot Ion:	146	Resp:	178232
Ion Ratio	Lower	Upper	
146	100		
111	42.1	21.9	65.8
148	63.2	31.8	95.3

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#86

1,2-Dibromo-3-Chloropropane

Concen: 5.111 ug/l

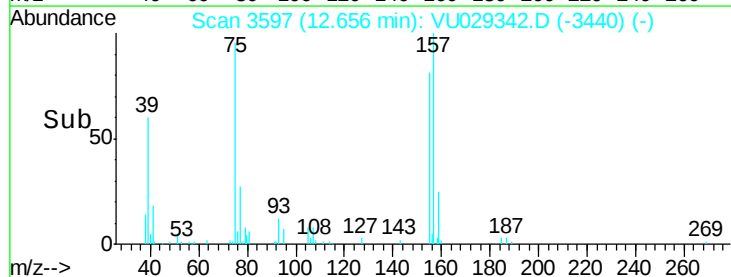
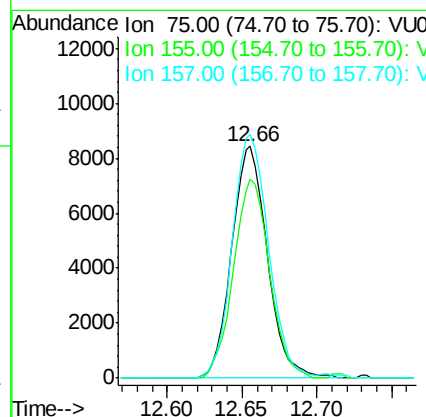
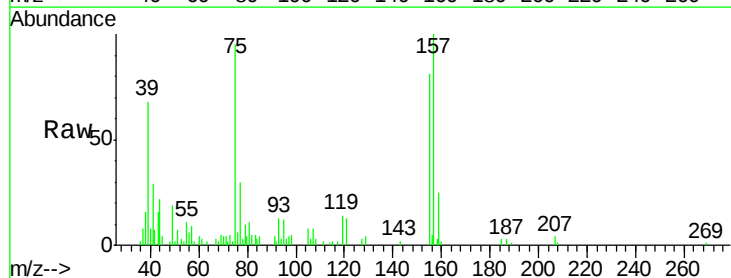
RT: 12.66 min Scan# 3597

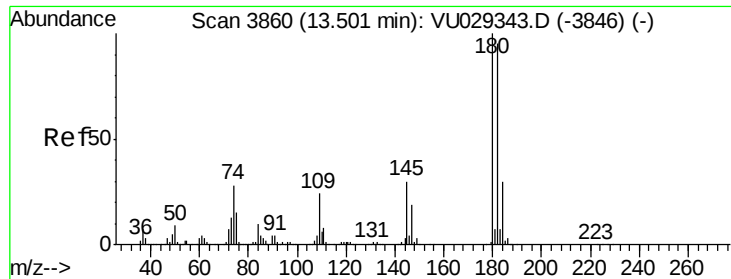
Delta R.T. 0.00 min

Lab File: VU029342.D

Acq: 05 Feb 2019 12:10

Tgt Ion:	75	Resp:	14067
Ion Ratio	Lower	Upper	
75	100		
155	86.0	53.8	80.8#
157	106.3	69.2	103.8#





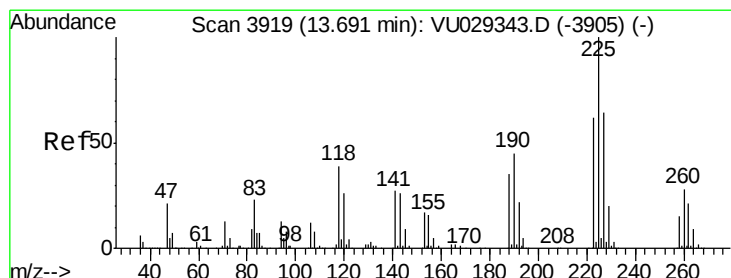
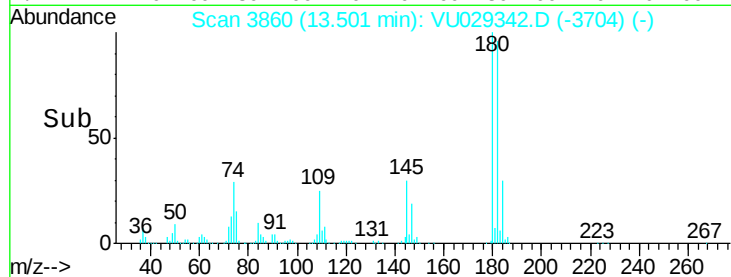
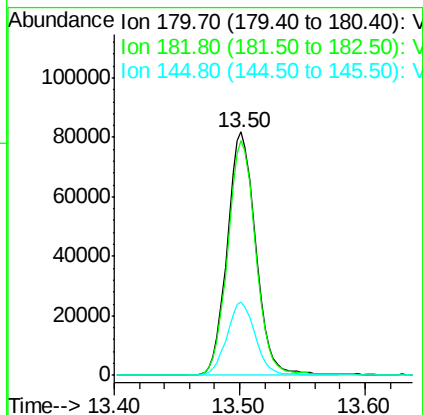
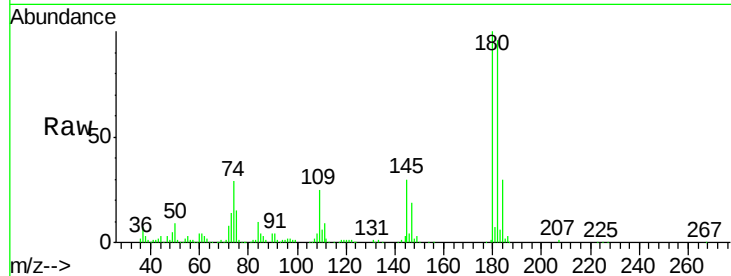
#87
 1,2,4-Trichlorobenzene
 Concen: 5.107 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029342.D
 Acq: 05 Feb 2019 12:10

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	114.8
145	30.1	24.6	36.8

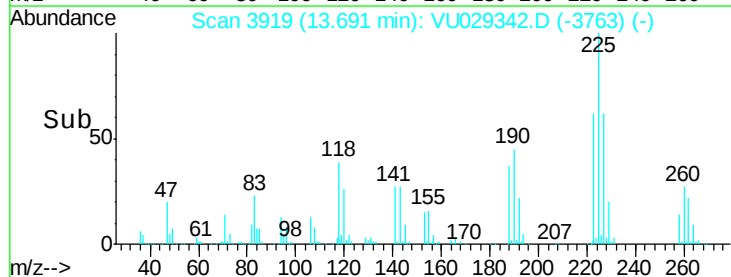
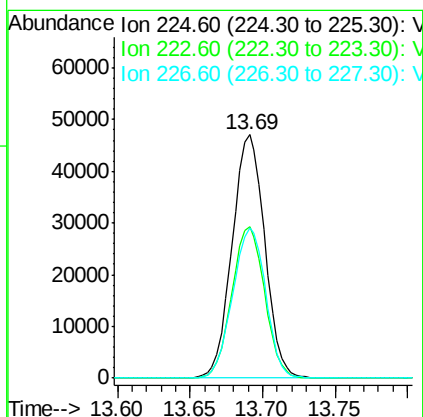
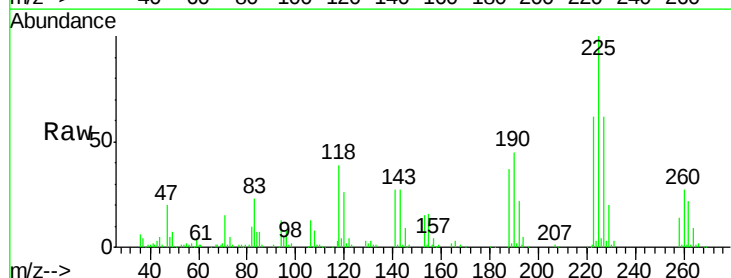
Manual Integrations
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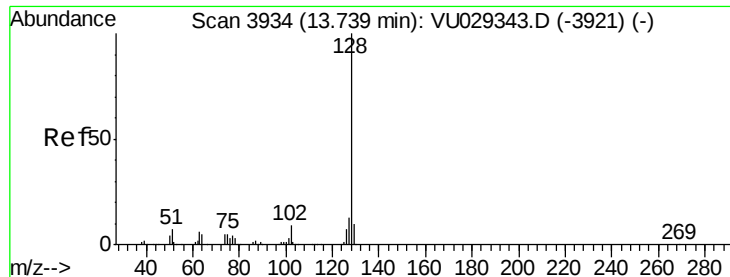
sam
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#88
 Hexachlorobutadiene
 Concen: 5.006 ug/l
 RT: 13.69 min Scan# 3919
 Delta R.T. 0.00 min
 Lab File: VU029342.D
 Acq: 05 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.5	74.3
227	62.9	50.4	75.6





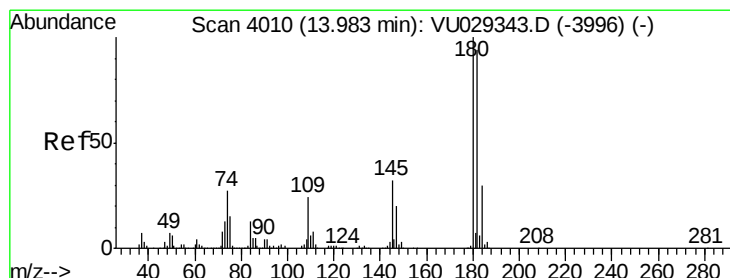
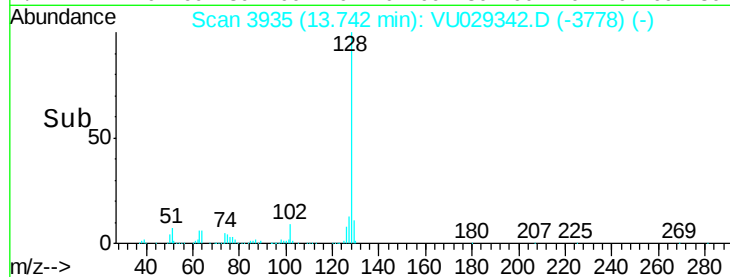
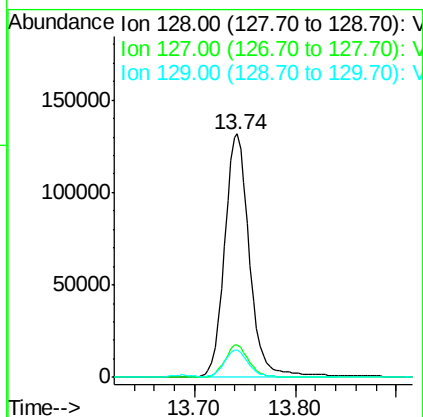
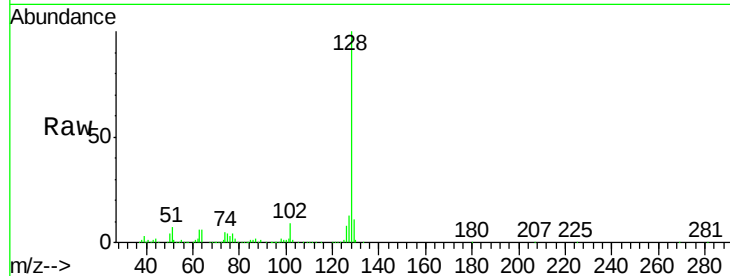
#89
Naphthalene
Concen: 5.307 ug/l
RT: 13.74 min Scan# 3935
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.7	16.1
129	10.4	8.2	12.4

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#90
1,2,3-Trichlorobenzene
Concen: 5.016 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU029342.D
Acq: 05 Feb 2019 12:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	78.0	117.0
145	31.5	26.6	39.8

