

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020619\
 Data File : VU029360.D
 Acq On : 06 Feb 2019 13:46
 Operator : JC/SP
 Sample : VU0206WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0206WBS01

Manual Integrations
 APPROVED

sam

2/8/2019 2:27:35 PM

Quant Time: Feb 08 12:33:31 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Fri Feb 08 10:52:46 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	55760	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	22104	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	22062	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	39329	1.890	ug/l	99
3) Chloromethane	1.33	50	35820	1.884	ug/l	98
4) Vinyl Chloride	1.40	62	41715	1.871	ug/l	98
5) Bromomethane	1.63	94	27731	2.236	ug/l	98
6) Chloroethane	1.70	64	24923	1.914	ug/l	97
7) Trichlorofluoromethane	1.88	101	62170	1.997	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	33731	2.052	ug/l	88
9) 1,1-Dichloroethene	2.28	96	33069	2.056	ug/l	72
10) Iodomethane	2.41	142	34123	1.675	ug/l #	79
11) Allyl Chloride	2.59	41	52125	1.932	ug/l	91
12) Acrylonitrile	2.94	53	14050	3.897	ug/l	97
13) Acetone	2.32	43	31945	9.194	ug/l #	80
14) Carbon Disulfide	2.48	76	112771	1.986	ug/l	98
15) Methylene Chloride	2.70	84	37227	1.909	ug/l #	80
16) trans-1,2-Dichloroethene	2.98	96	36221	2.014	ug/l #	78
17) 1,1-Dichloroethane	3.44	63	52937	1.857	ug/l	97
18) 2-Butanone	4.28	43	35684	9.189	ug/l	100
19) Cyclohexane	4.99	56	47903m	1.812	ug/l	
20) Methylcyclohexane	6.41	83	54268	1.955	ug/l #	85
21) 2,2-Dichloropropane	4.22	77	52769	2.000	ug/l	92
22) cis-1,2-Dichloroethene	4.23	96	35290	2.083	ug/l	74
23) Diethyl Ether	2.10	59	25573	1.980	ug/l	88
24) tert-Butyl Alcohol	2.83	59	25707	19.150	ug/l	97
25) Methyl tert-Butyl Ether	3.00	73	90984	2.009	ug/l #	86
26) Bromochloromethane	4.55	128	15252	2.038	ug/l	72
27) Chloroform	4.67	83	55509	2.002	ug/l	96
28) 1,1,1-Trichloroethane	4.91	97	51657	2.010	ug/l	94
29) 1,1-Dichloropropene	5.13	75	42267	1.895	ug/l	93
30) Carbon Tetrachloride	5.13	117	46969	2.019	ug/l	99
31) Isopropyl Ether	3.58	45	80901	1.881	ug/l	88
32) Ethyl-t-butyl ether	4.07	59	82965	1.925	ug/l	91
33) Tert-Amyl methyl ether	5.58	73	77046	1.977	ug/l	96
34) Propionitrile	4.33	54	9594m	9.399	ug/l	
35) Benzene	5.39	78	119844	1.943	ug/l	99
36) 1,2-Dichloroethane	5.41	62	35168	1.885	ug/l #	84
37) Trichloroethene	6.18	130	37045	2.093	ug/l	87
38) 1,2-Dichloropropane	6.43	63	30177	1.881	ug/l	97
39) Methacrylonitrile	4.55	41	9088	1.739	ug/l #	84
40) Methyl acrylate	4.43	55	14232	1.804	ug/l #	90
41) Tetrahydrofuran	4.65	42	9961	3.783	ug/l #	84
42) 1-Chlorobutane	5.06	56	55115	1.844	ug/l	87

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Manual Integrations
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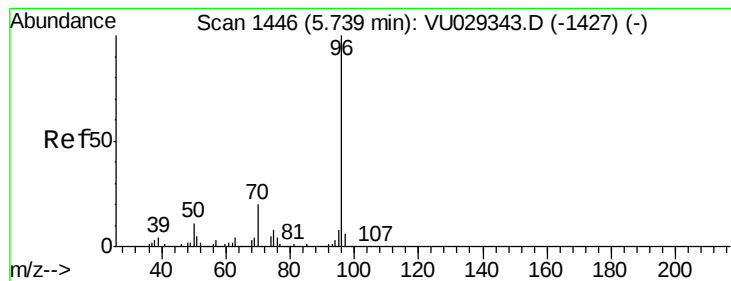
2/8/2019 2:27:35 PM

Quant Time: Feb 08 12:33:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.56	93	16153	1.889	ug/l #	87
44) Bromodichloromethane	6.76	83	42736	1.961	ug/l #	93
45) 4-Methyl-2-Pentanone	7.46	43	90534	9.032	ug/l #	89
46) t-1,4-Dichloro-2-butene	10.52	75	16753m	3.430	ug/l	
47) Methyl methacrylate	6.63	69	29269	3.890	ug/l #	74
48) Ethyl methacrylate	8.02	69	30472	1.888	ug/l	80
49) Toluene	7.63	92	77248	1.957	ug/l	97
50) t-1,3-Dichloropropene	7.88	75	40939	1.917	ug/l	95
51) cis-1,3-Dichloropropene	7.27	75	48968	1.930	ug/l #	86
52) 1,1,2-Trichloroethane	8.07	97	23544	2.080	ug/l	97
53) 1,3-Dichloropropane	8.24	76	38612	1.942	ug/l	99
54) 2-Hexanone	8.37	43	62773	8.934	ug/l	87
55) Dibromochloromethane	8.48	129	32425	2.015	ug/l	100
56) 1,2-Dibromoethane	8.58	107	22536	1.940	ug/l	99
58) Tetrachloroethene	8.22	164	34607	2.101	ug/l	94
59) Chlorobenzene	9.12	112	90908	2.044	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	33695	2.051	ug/l	97
61) Pentachloroethane	11.10	117	24539	1.927	ug/l	84
62) Hexachloroethane	12.14	117	26940	1.938	ug/l	94
63) Ethyl Benzene	9.25	91	152436	1.974	ug/l	95
64) m/p-Xylenes	9.37	106	118738	3.957	ug/l	87
65) o-Xylene	9.78	106	58213	1.976	ug/l	91
66) Styrene	9.79	104	96587	1.967	ug/l	94
67) Bromoform	9.96	173	20269	2.025	ug/l	97
69) Isopropylbenzene	10.16	105	156120	1.984	ug/l	94
70) 1,1,2,2-Tetrachloroethane	10.46	83	28870	1.990	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	21061m	2.114	ug/l	
72) Bromobenzene	10.45	156	39743	2.084	ug/l	83
73) n-propylbenzene	10.58	120	44201	2.017	ug/l	77
74) 2-Chlorotoluene	10.66	126	38697	2.073	ug/l	75
75) 1,3,5-Trimethylbenzene	10.77	105	133080	1.961	ug/l	95
76) 4-Chlorotoluene	10.77	126	38667	1.996	ug/l	75
77) tert-Butylbenzene	11.10	119	134054	1.999	ug/l	91
78) 1,2,4-Trimethylbenzene	11.15	105	133831	1.948	ug/l	95
79) sec-Butylbenzene	11.32	105	173959	1.982	ug/l	96
80) Nitrobenzene	12.87	77	4317	6.678	ug/l #	96
81) p-Isopropyltoluene	11.47	119	148384	1.995	ug/l	93
82) 1,3-Dichlorobenzene	11.41	146	75930	2.029	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	75568	2.027	ug/l	96
84) n-Butylbenzene	11.89	91	132984	1.948	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	70329	1.988	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	4424	1.634	ug/l #	54
87) 1,2,4-Trichlorobenzene	13.50	180	51002	2.052	ug/l	98
88) Hexachlorobutadiene	13.69	225	32674	2.270	ug/l	99
89) Naphthalene	13.74	128	83251	1.975	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	46667	2.055	ug/l	97

(#) = 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: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

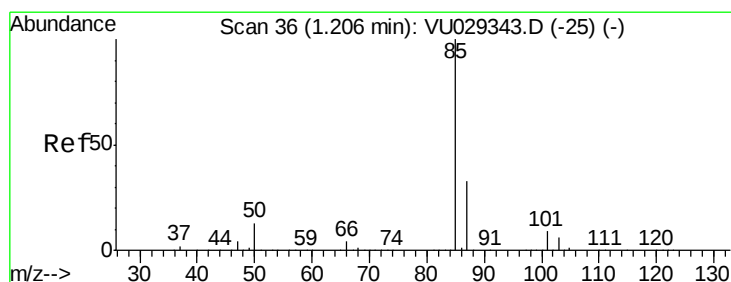
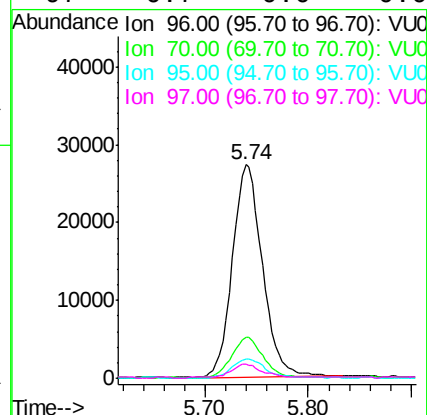
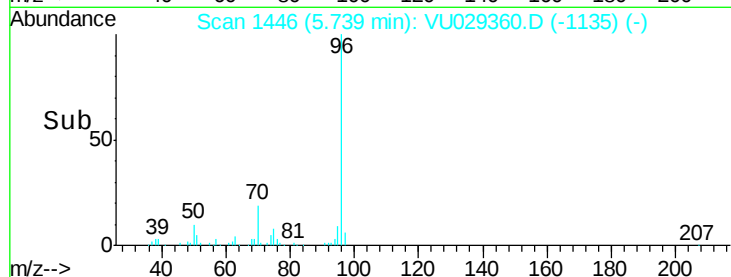
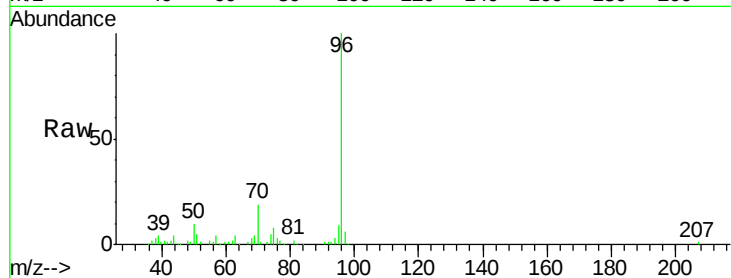
VU0206WBS01

Tot Ion:	96	Resp:	55760
Ion	Ratio	Lower	Upper
96	100		
70	19.6	16.2	24.2
95	9.4	7.4	11.2
97	6.7	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 1.890 ug/l

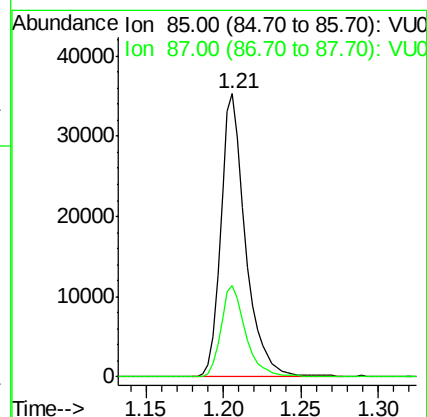
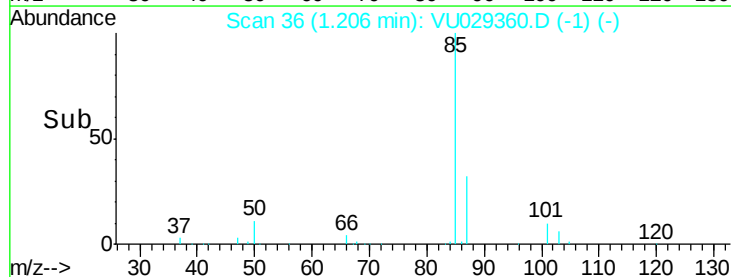
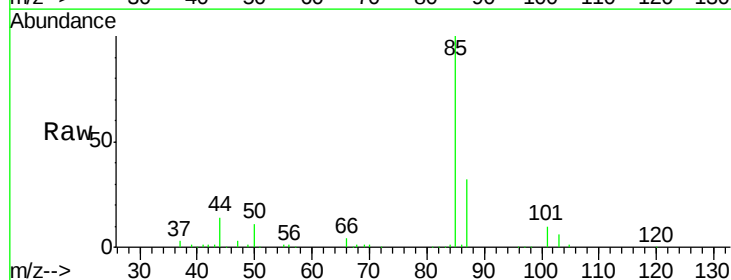
RT: 1.21 min Scan# 36

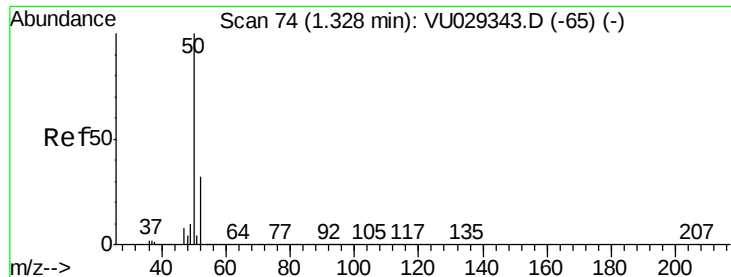
Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Tgt Ion:	85	Resp:	39329
Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.9	47.6





#3

Chloromethane

Concen: 1.884 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBS01

Tot Ion: 50 Resp: 35820

Ion Ratio Lower Upper

50 100

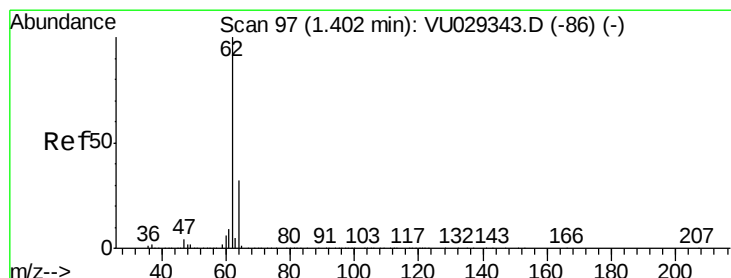
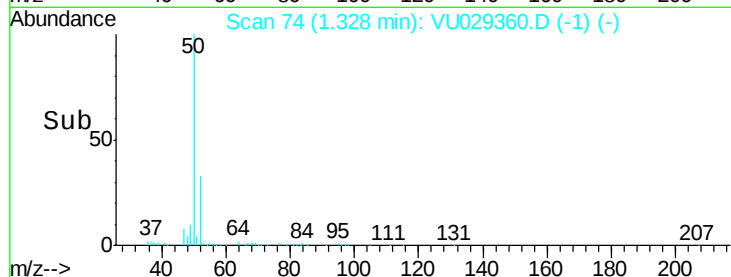
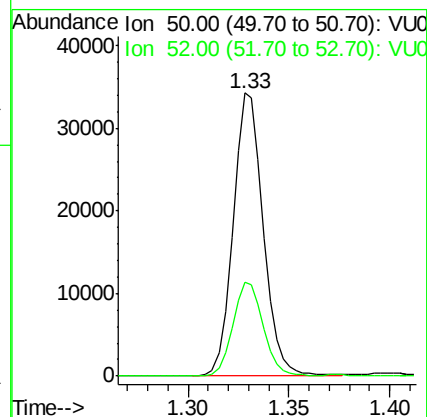
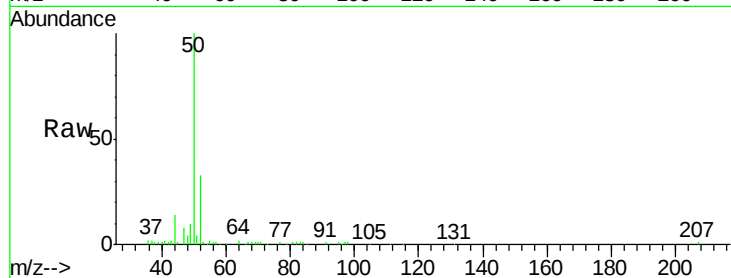
52 33.2 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.871 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029360.D

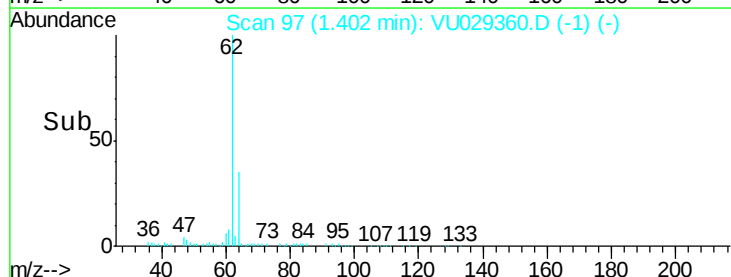
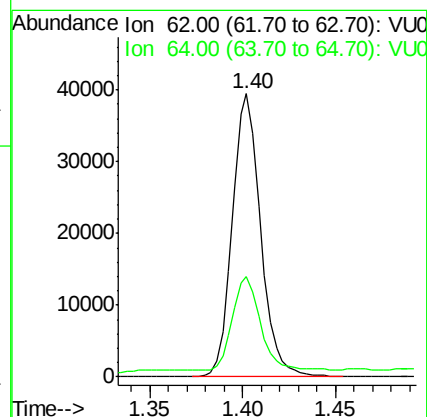
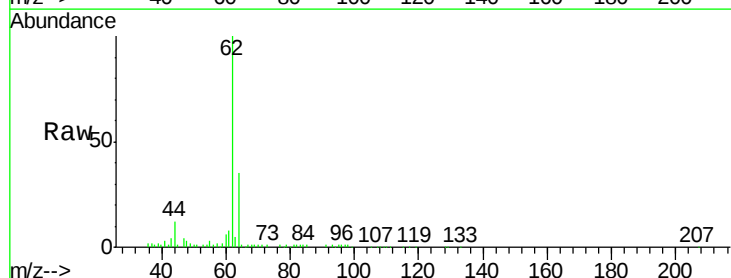
Acq: 06 Feb 2019 13:46

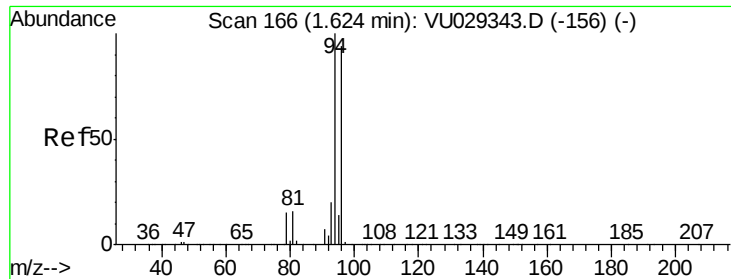
Tgt Ion: 62 Resp: 41715

Ion Ratio Lower Upper

62 100

64 32.9 25.2 37.8





#5

Bromomethane

Concen: 2.236 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBS01

Tot Ion: 94 Resp: 27731

Ion Ratio Lower Upper

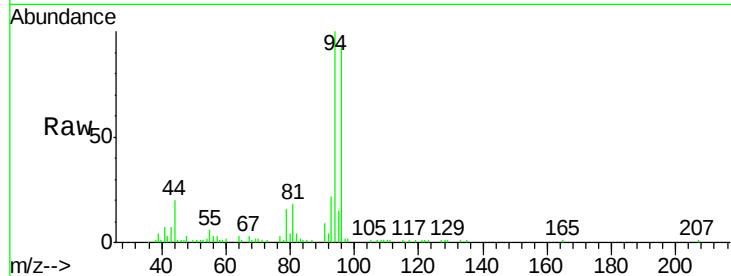
94 100

96 91.6 71.7 107.5

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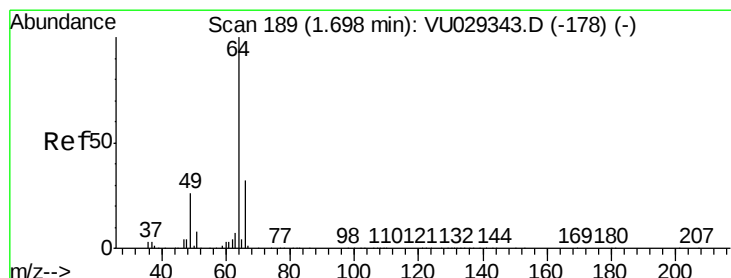
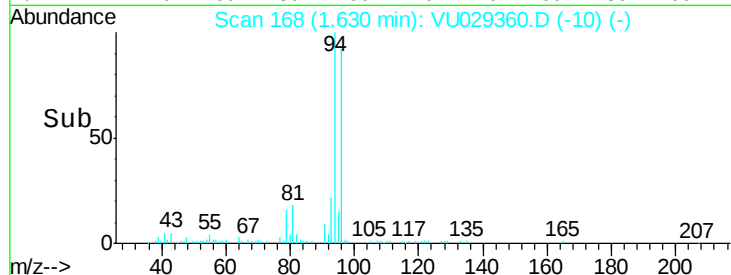
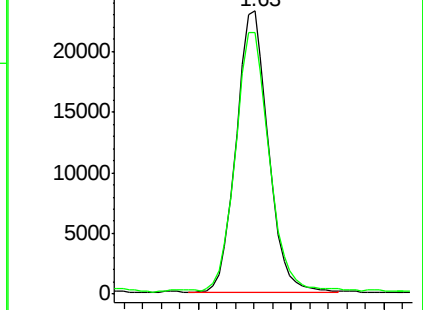
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 1.914 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029360.D

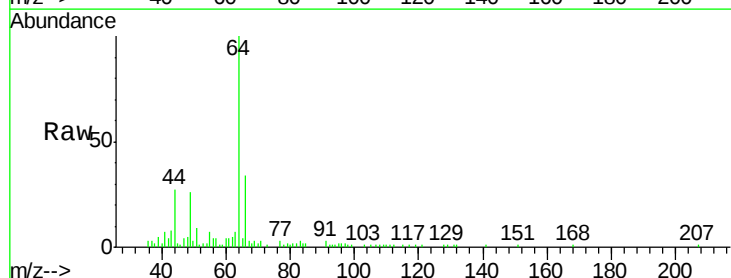
Acq: 06 Feb 2019 13:46

Tgt Ion: 64 Resp: 24923

Ion Ratio Lower Upper

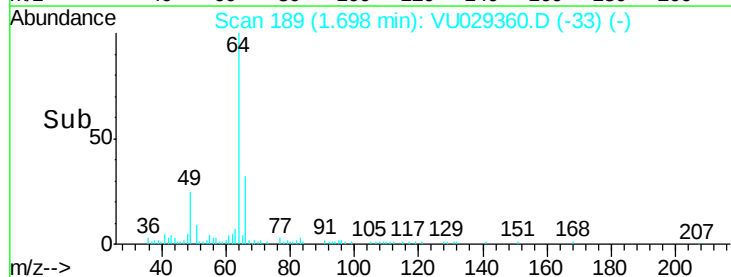
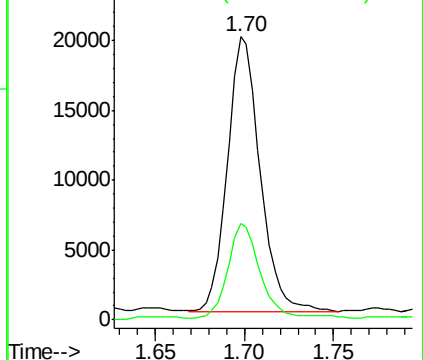
64 100

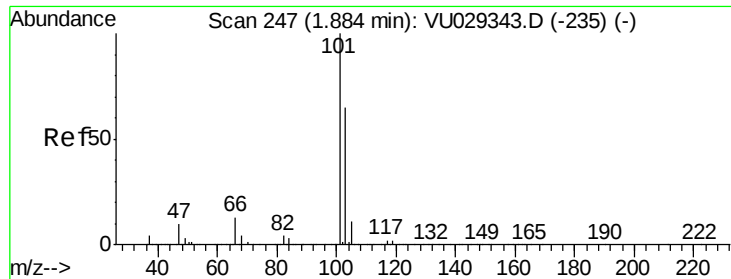
66 34.4 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

Trichlorofluoromethane
 Concen: 1.997 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU029360.D
 Acq: 06 Feb 2019 13:46

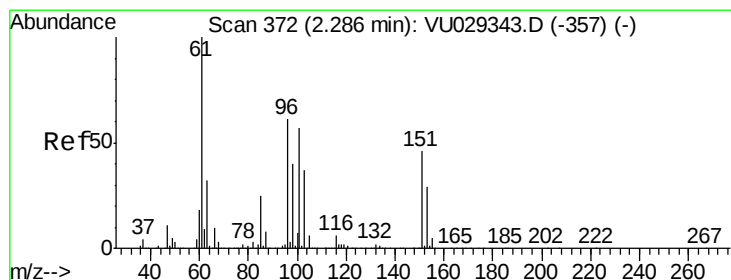
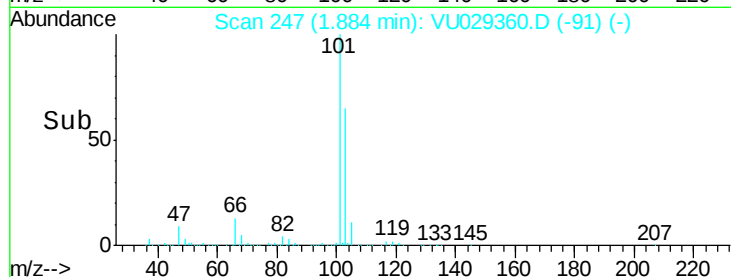
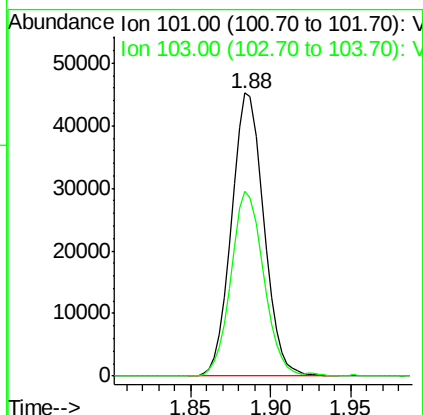
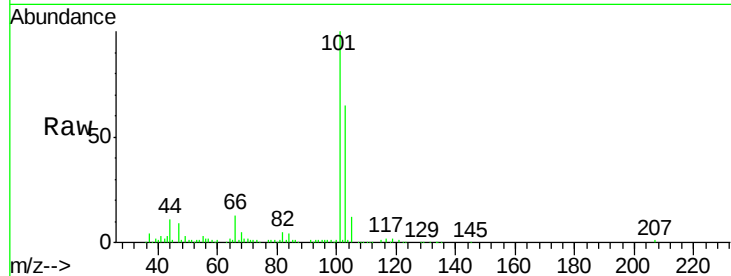
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.9	80.9

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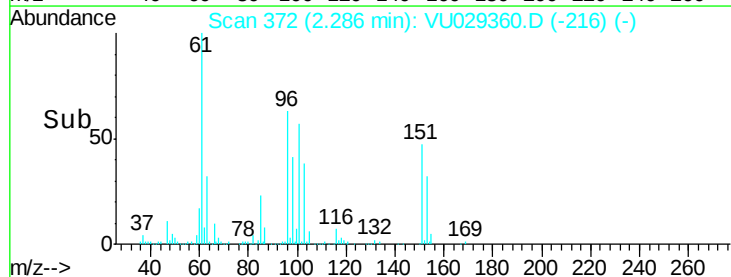
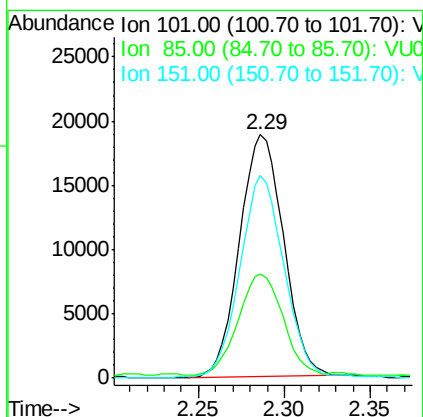
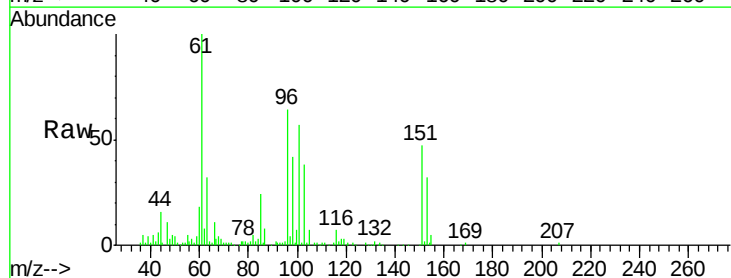
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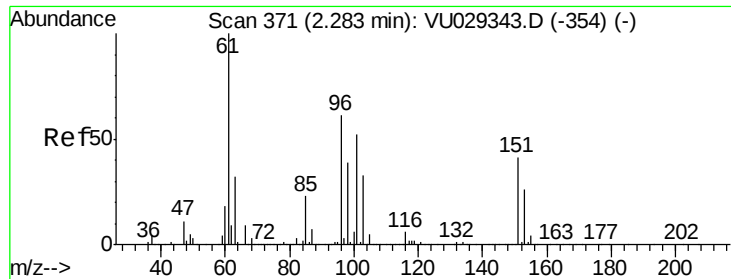


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.052 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU029360.D
 Acq: 06 Feb 2019 13:46

Tgt Ion	Ratio	Lower	Upper
101	100		
85	41.3	40.3	60.5
151	82.6	58.1	87.1





#9

1,1-Dichloroethene

Concen: 2.056 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

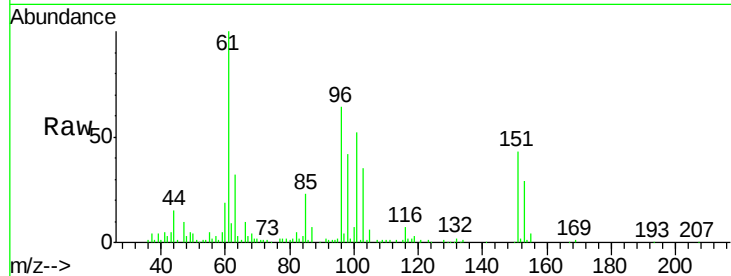
VU0206WBS01

Tot Ion:	96	Resp:	33069
Ion	Ratio	Lower	Upper
96	100		
61	158.9	0.0	641.4
98	66.0	0.0	122.6

Manual Integrations
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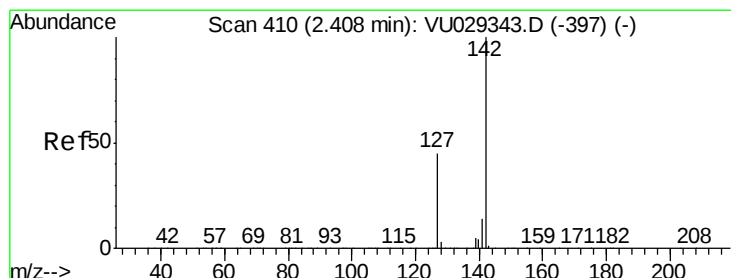
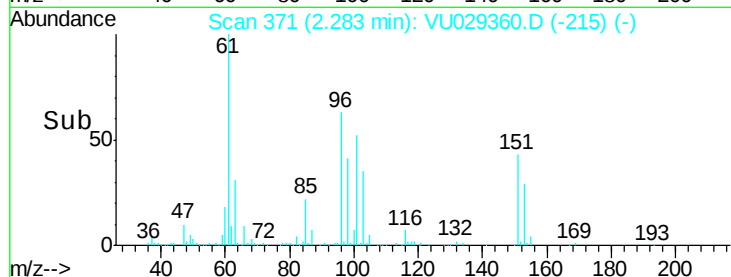
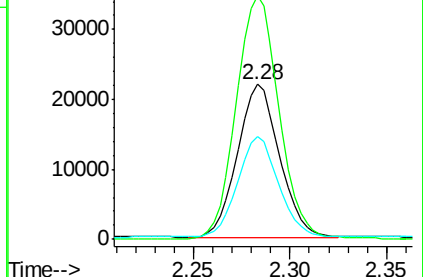
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Abundance Ion 96.00 (95.70 to 96.70): VU029343.D (-354) (-)

Ion 61.00 (60.70 to 61.70): VU029343.D (-354) (-)

Ion 98.00 (97.70 to 98.70): VU029343.D (-354) (-)



#10

Iodomethane

Concen: 1.675 ug/l

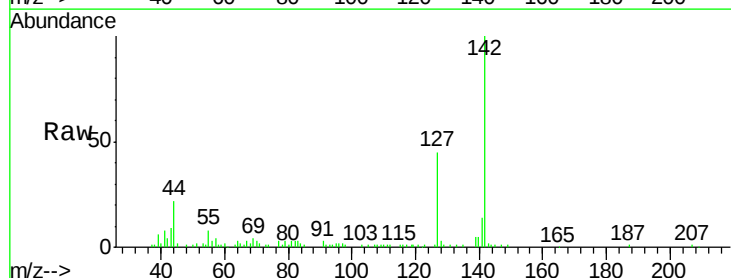
RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU029360.D

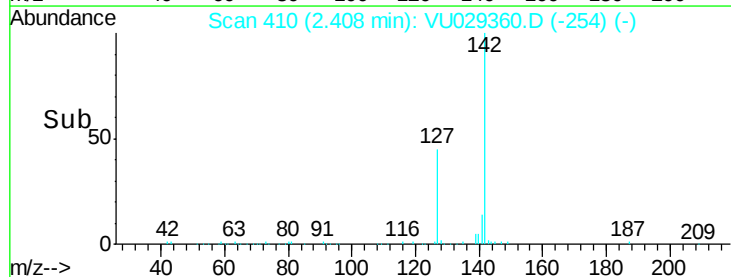
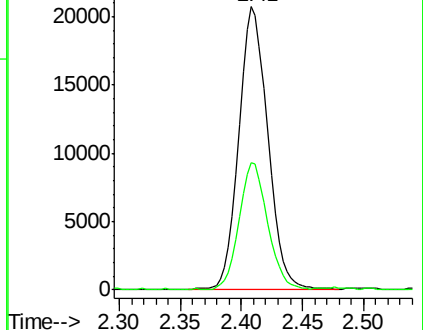
Acq: 06 Feb 2019 13:46

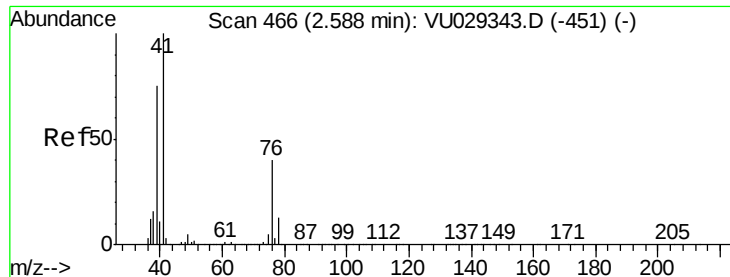
Tgt Ion:	142	Resp:	34123
Ion	Ratio	Lower	Upper
142	100		
127	44.0	47.6	71.4#



Abundance Ion 142.00 (141.70 to 142.70): VU029343.D (-397) (-)

Ion 127.00 (126.70 to 127.70): VU029343.D (-397) (-)





#11

Allvl Chloride

Concen: 1.932 ug/l

RT: 2.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBS01

Tot Ion: 41 Resp: 52125

Ion Ratio Lower Upper

41 100

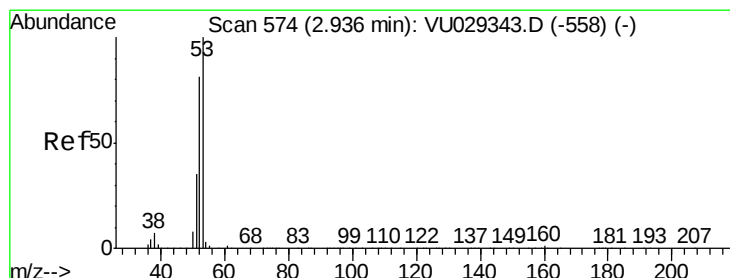
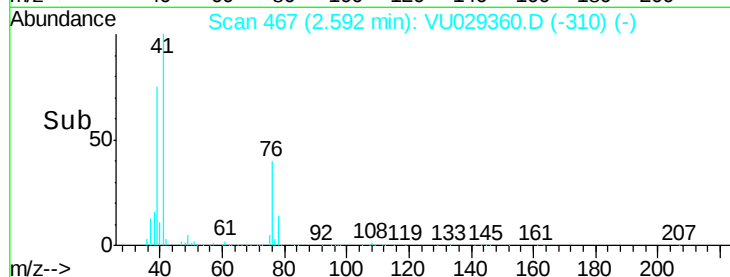
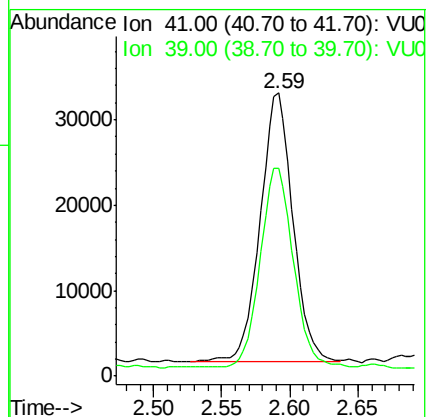
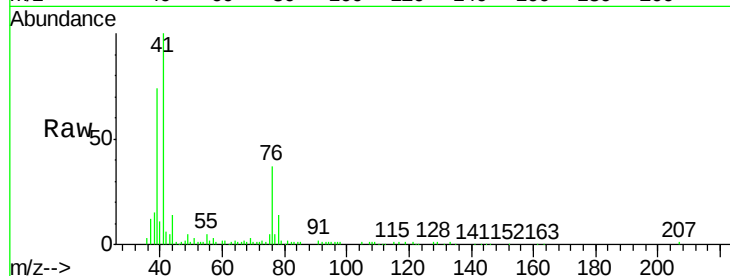
39 75.4 67.2 100.8

Manual Integrations

APPROVED

sam

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#12

Acrylonitrile

Concen: 3.897 ug/l

RT: 2.94 min Scan# 574

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

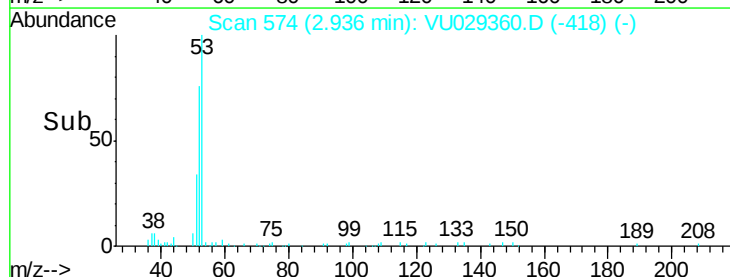
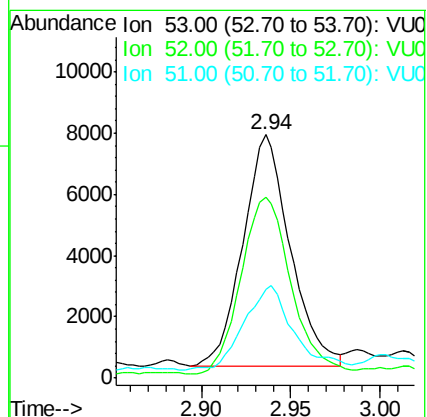
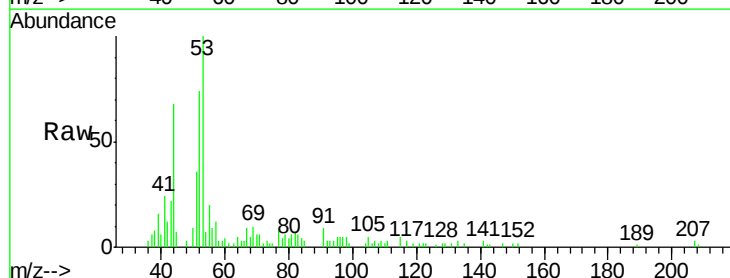
Tgt Ion: 53 Resp: 14050

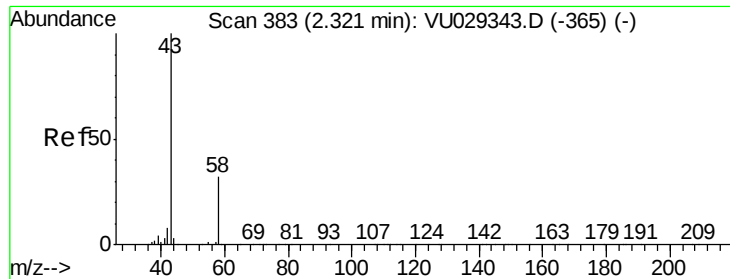
Ion Ratio Lower Upper

53 100

52 80.9 67.6 101.4

51 38.2 31.0 46.4





#13
Acetone
Concen: 9.194 ug/l
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

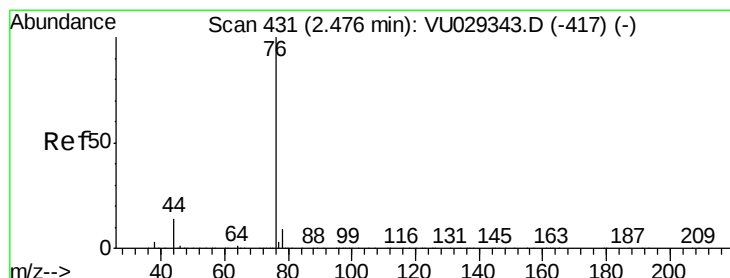
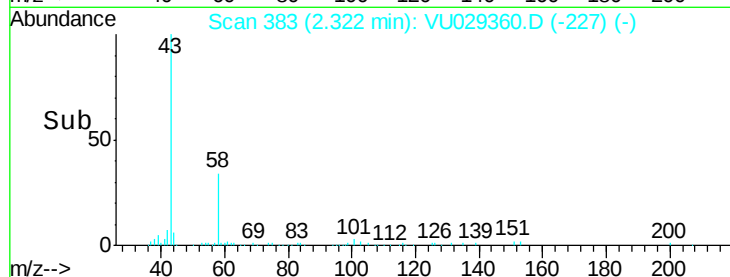
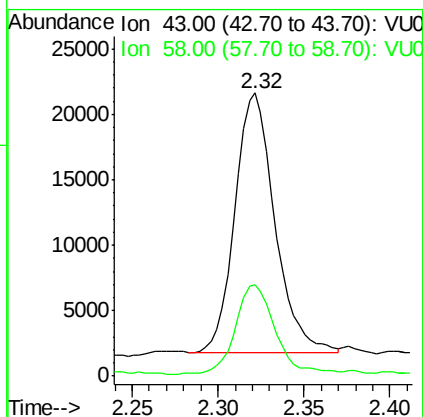
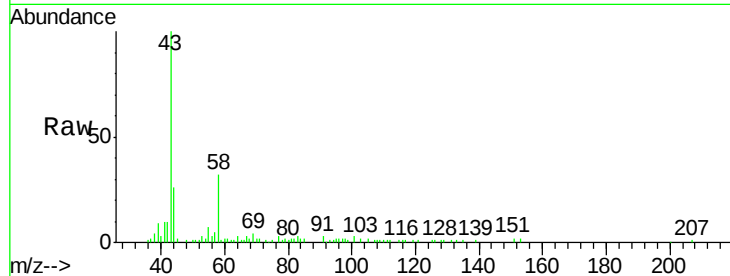
Instrument :
MSVOA_U
ClientSampleId :
VU0206WBS01

Tot Ion: 43 Resp: 31945
Ion Ratio Lower Upper
43 100
58 33.9 19.2 28.8#

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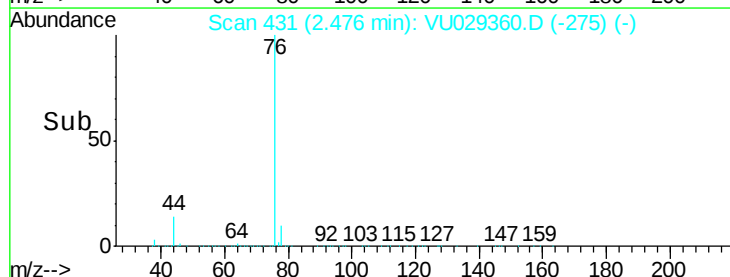
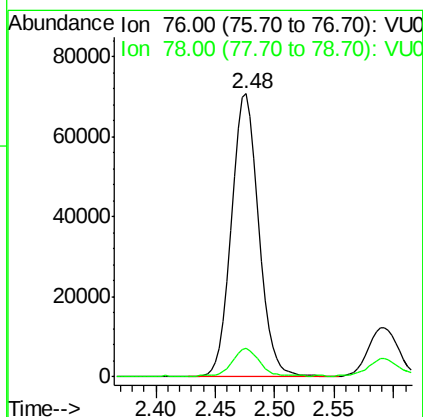
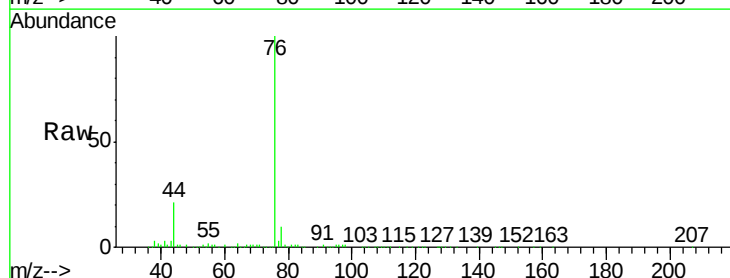
sam

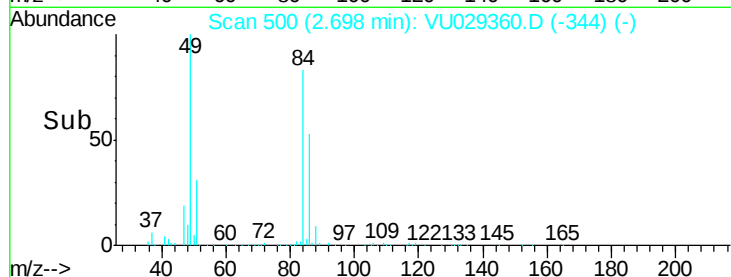
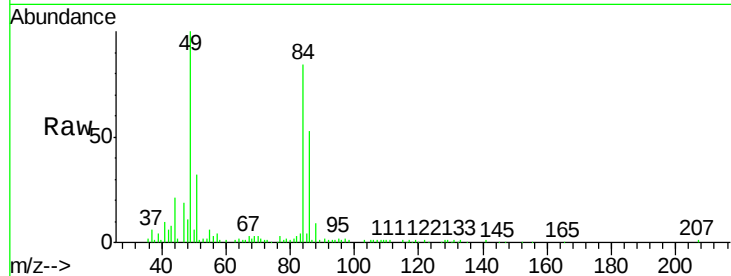
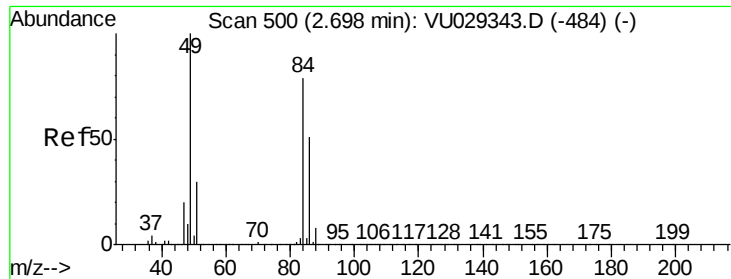
2/8/2019 2:27:35 PM



#14
Carbon Disulfide
Concen: 1.986 ug/l
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

Tgt Ion: 76 Resp: 112771
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7





#15
Methvlene Chloride
Concen: 1.909 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

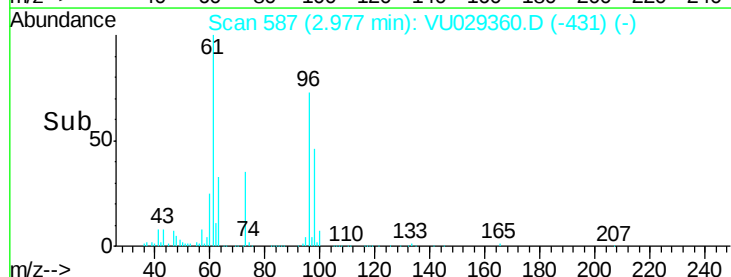
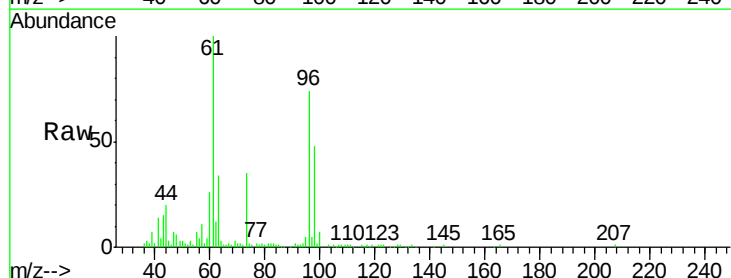
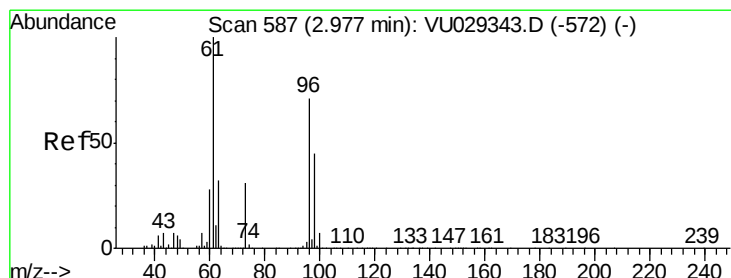
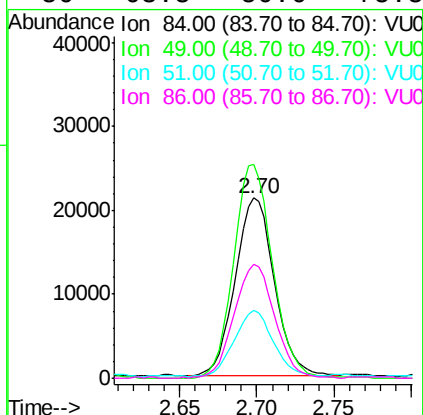
Tot Ion:	84	Resp:	37227
Ion	Ratio	Lower	Upper
84	100		
49	120.2	127.0	190.6#
51	37.1	0.0	93.4
86	63.8	50.6	75.8

Instrument :
MSVOA_U
ClientSampleId :
VU0206WBS01

Manual Integrations
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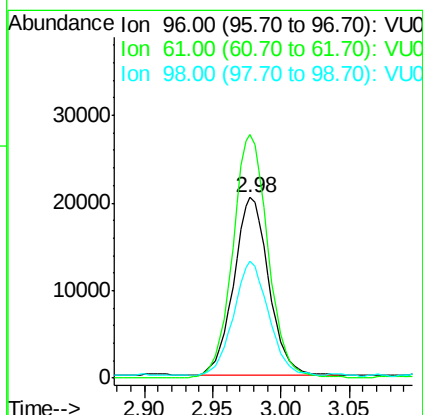
sam

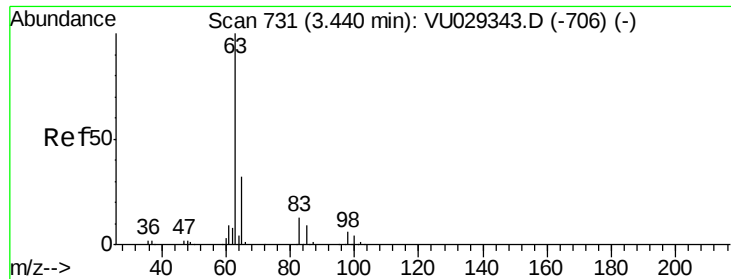
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#16
trans-1,2-Dichloroethene
Concen: 2.014 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

Tgt Ion:	96	Resp:	36221
Ion	Ratio	Lower	Upper
96	100		
61	136.3	140.6	210.8#
98	63.6	49.3	73.9





#17

1,1-Dichloroethane

Concen: 1.857 ug/l

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

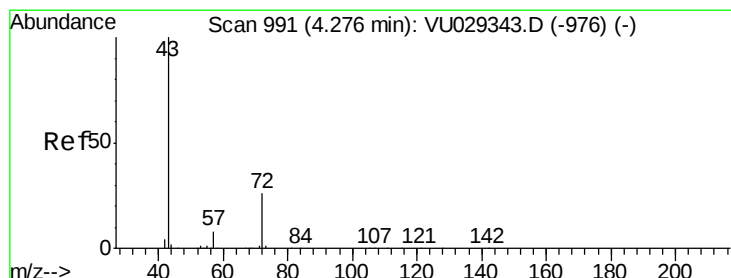
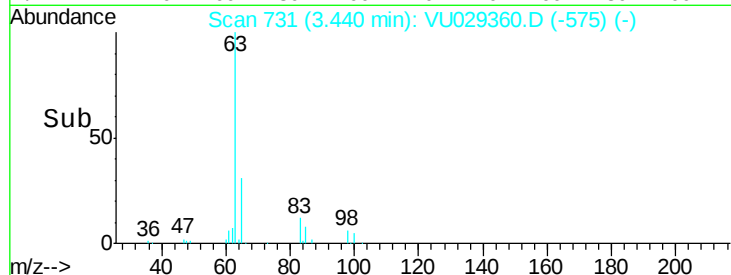
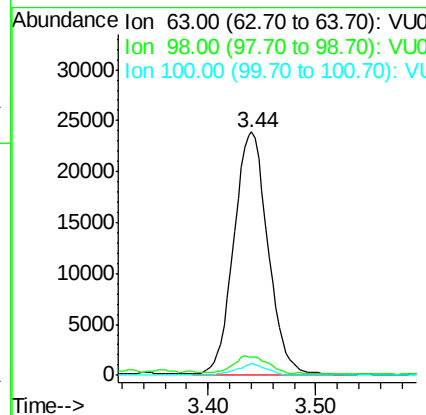
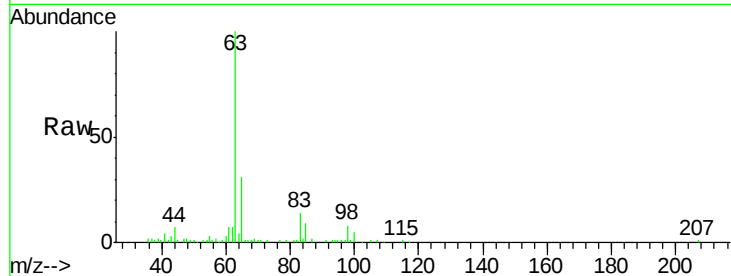
VU0206WBS01

Tot Ion:	63	Resp:	52937
Ion Ratio	Lower	Upper	
63	100		
98	6.7	2.9	8.8
100	5.0	1.7	5.1

Manual Integrations
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Sam

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#18

2-Butanone

Concen: 9.189 ug/l

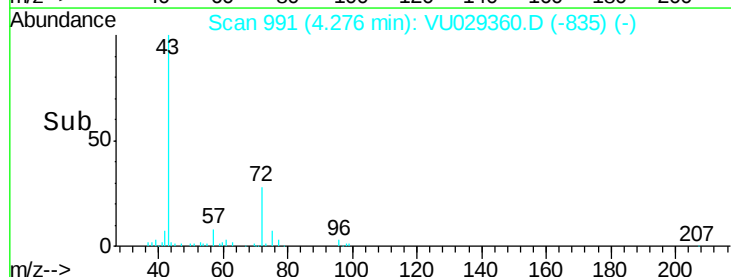
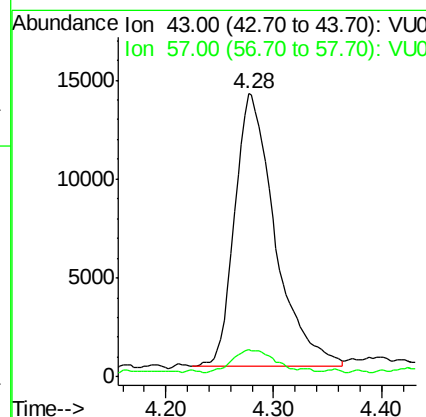
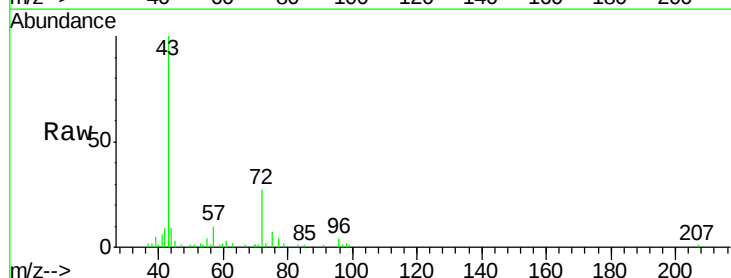
RT: 4.28 min Scan# 991

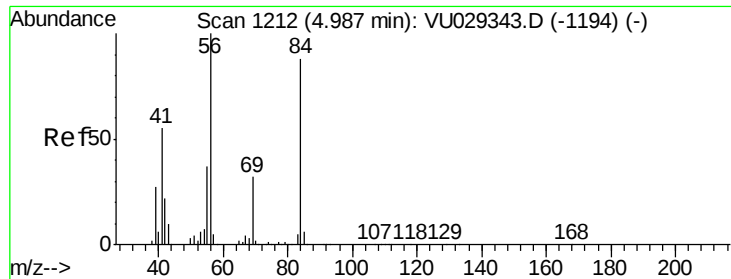
Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Tgt Ion:	43	Resp:	35684
Ion Ratio	Lower	Upper	
43	100		
57	7.8	0.0	15.8





#19

Cyclohexane

Concen: 1.812 ug/l m

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBS01

Tot Ion: 56 Resp: 47903

Ion Ratio Lower Upper

56 100

69 29.8 26.8 40.2

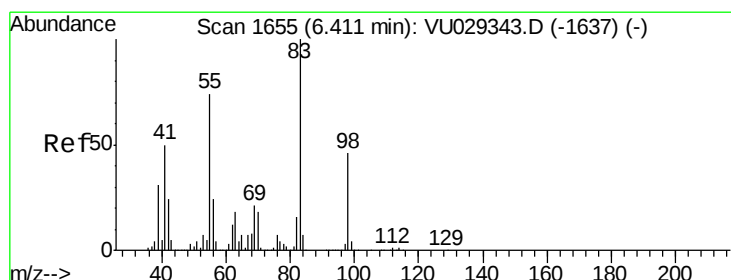
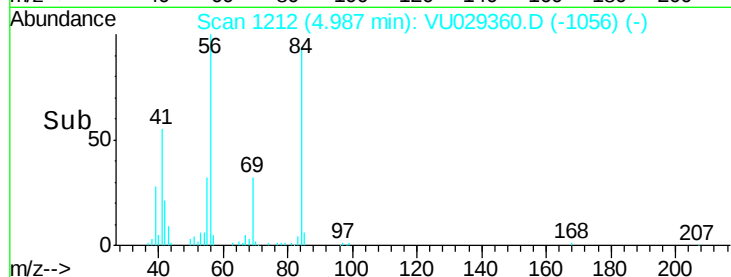
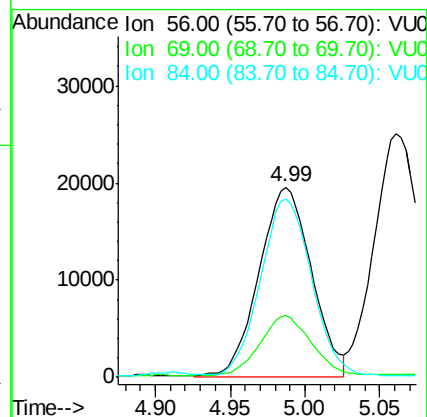
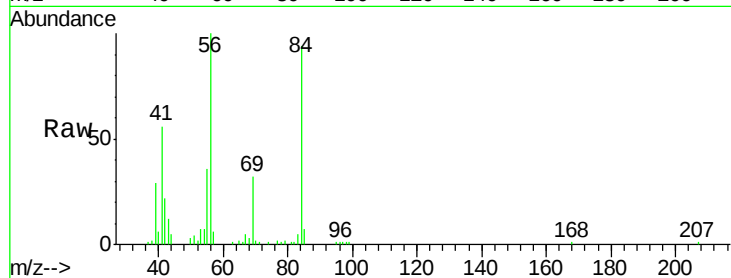
84 89.1 71.5 107.3

Manual Integrations

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#20

Methylcyclohexane

Concen: 1.955 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

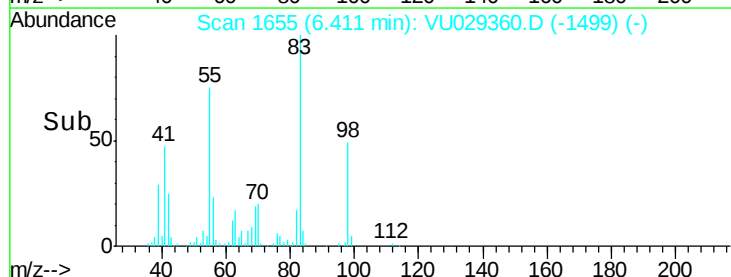
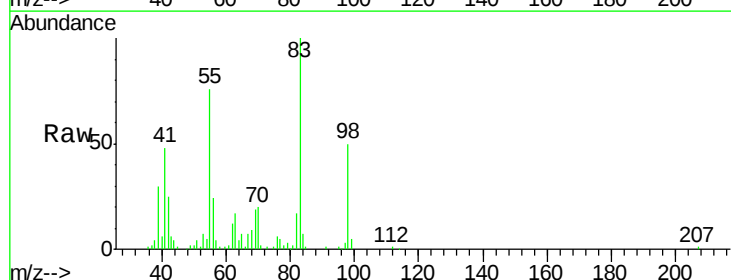
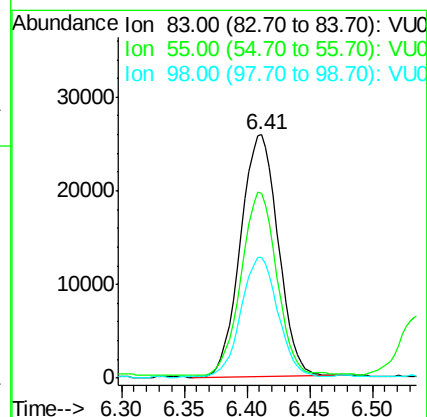
Tgt Ion: 83 Resp: 54268

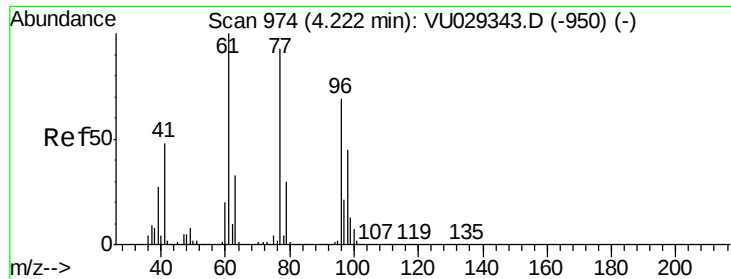
Ion Ratio Lower Upper

83 100

55 71.1 72.4 108.6#

98 48.3 36.6 54.8





#21

2,2-Dichloropropane

Concen: 2.000 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampled :

VU0206WBS01

Tot Ion: 77 Resp: 52769

Ion Ratio Lower Upper

77 100

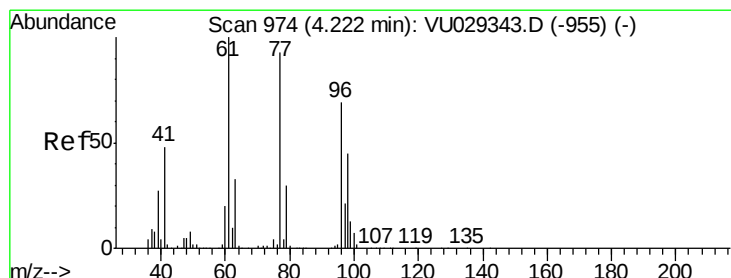
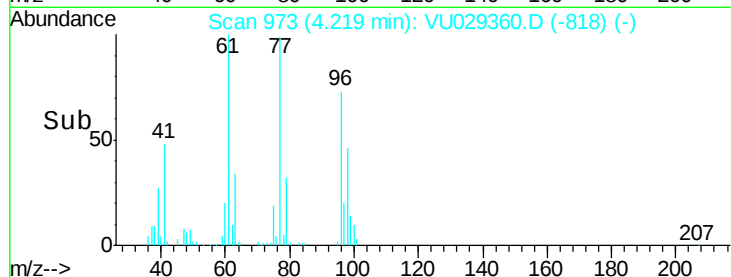
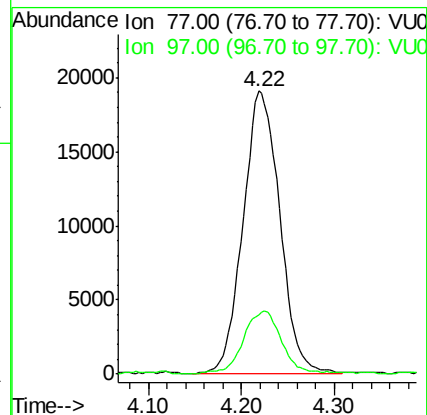
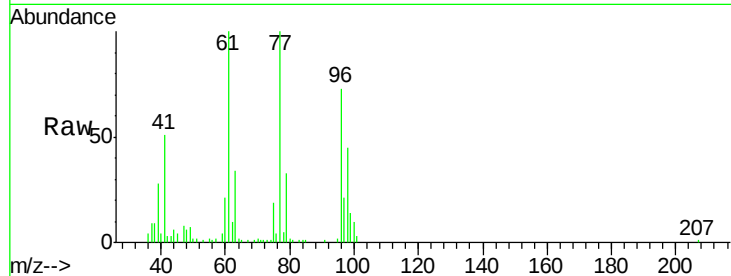
97 23.1 15.6 23.4

Manual Integrations

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sam

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#22

cis-1,2-Dichloroethene

Concen: 2.083 ug/l

RT: 4.23 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

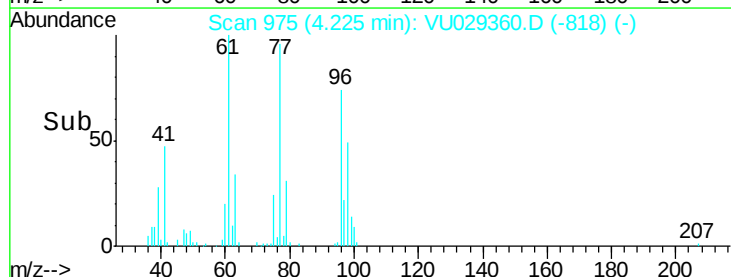
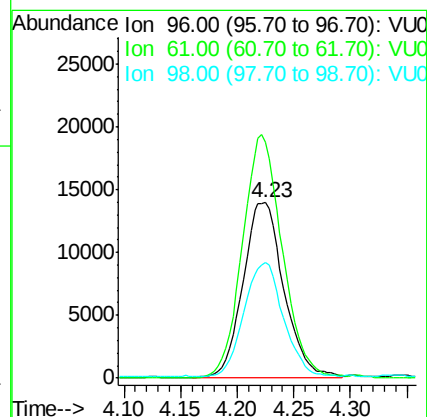
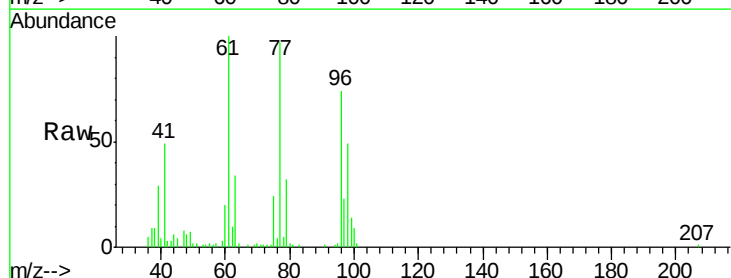
Tgt Ion: 96 Resp: 35290

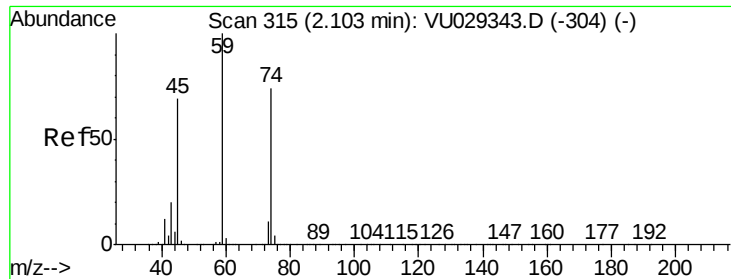
Ion Ratio Lower Upper

96 100

61 134.6 0.0 460.0

98 61.8 32.6 97.7





#23
Diethyl Ether
Concen: 1.980 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

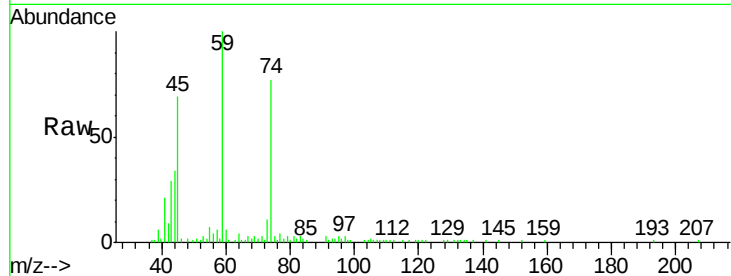
Instrument :
MSVOA_U
ClientSampleId :
VU0206WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
45	68.4	64.2	96.4
74	77.4	55.3	82.9

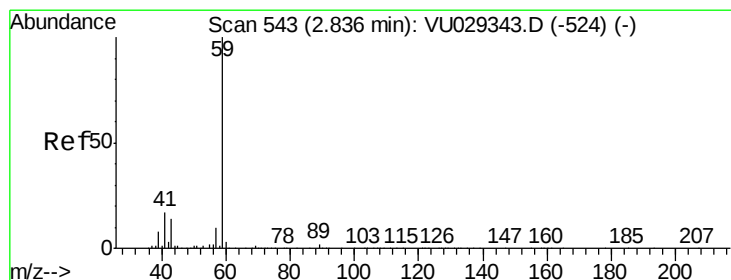
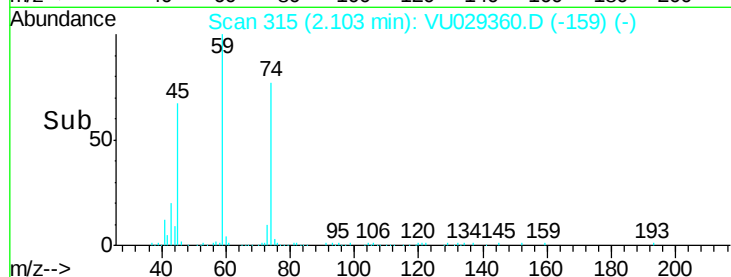
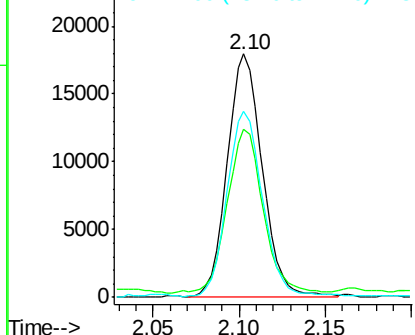
Manual Integrations
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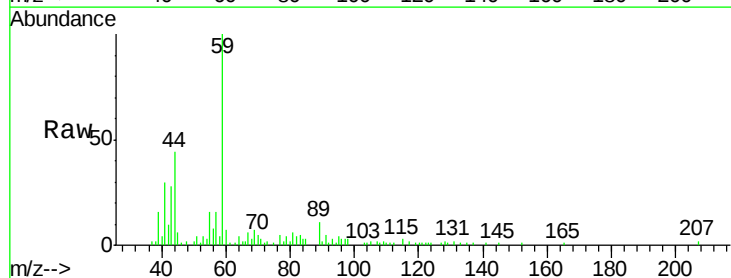


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

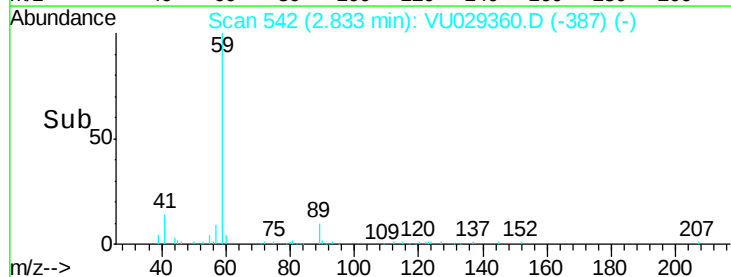
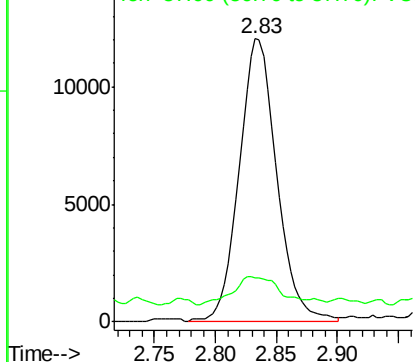


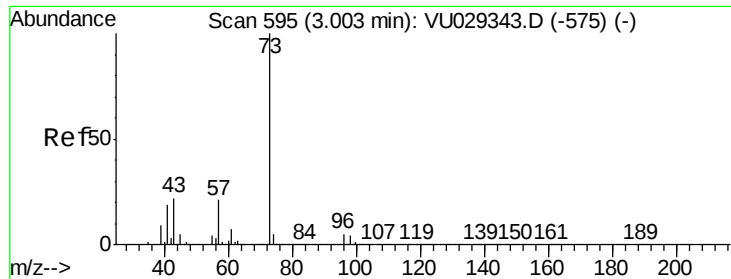
#24
tert-Butyl Alcohol
Concen: 19.150 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

Tgt Ion	Ratio	Lower	Upper
59	100		
57	12.2	8.8	13.2



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#25

Methyl tert-Butyl Ether
 Concen: 2.009 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VU029360.D
 Acq: 06 Feb 2019 13:46

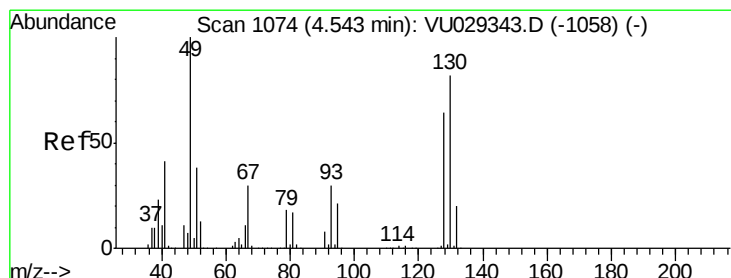
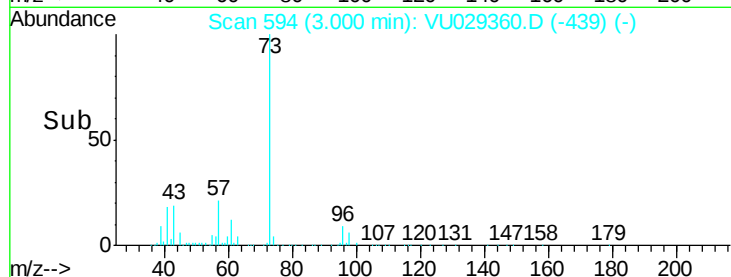
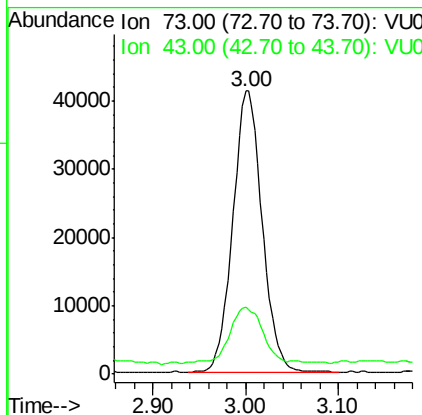
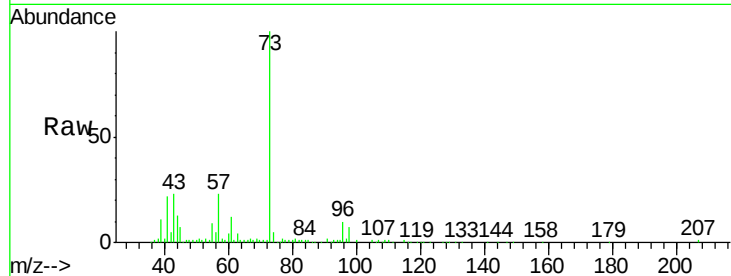
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0206WBS01

Tot Ion	73	Resp	90984
Ion	Ratio	Lower	Upper
73	100		
43	20.1	22.1	33.1#

Manual Integrations
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sam

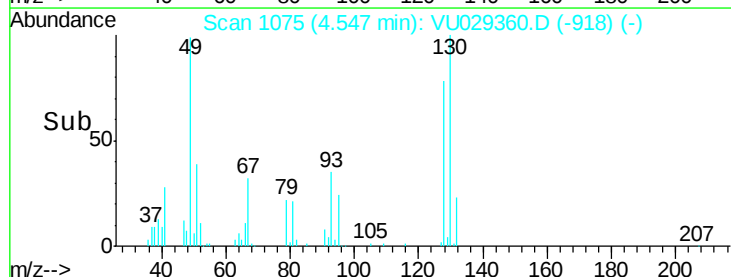
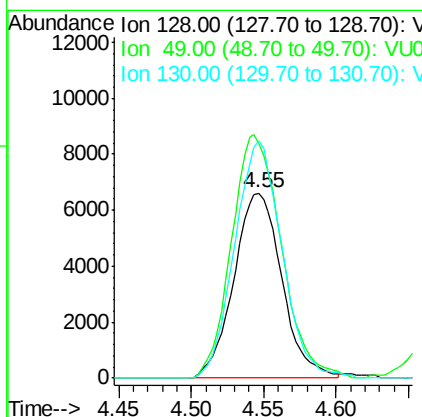
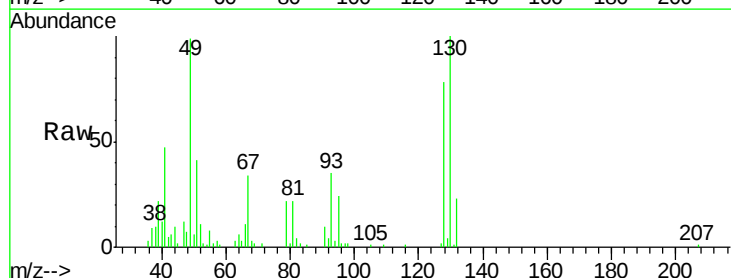
2/8/2019 2:27:35 PM

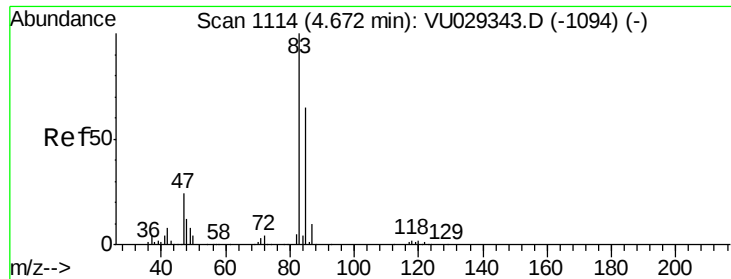


#26

Bromochloromethane
 Concen: 2.038 ug/l
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VU029360.D
 Acq: 06 Feb 2019 13:46

Tgt Ion	128	Resp	15252
Ion	Ratio	Lower	Upper
128	100		
49	136.0	0.0	401.6
130	126.3	108.0	162.0





#27

Chloroform

Concen: 2.002 ug/l

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBS01

Tot Ion: 83 Resp: 55509

Ion Ratio Lower Upper

83 100

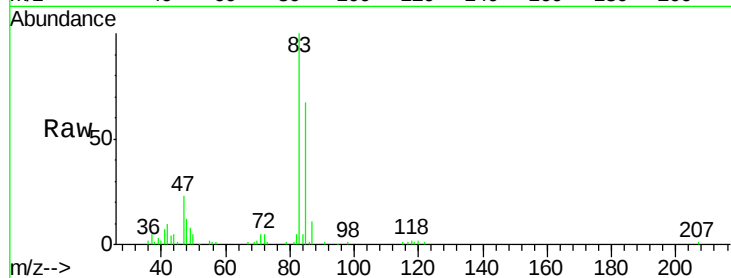
85 66.3 0.0 126.6

Manual Integrations

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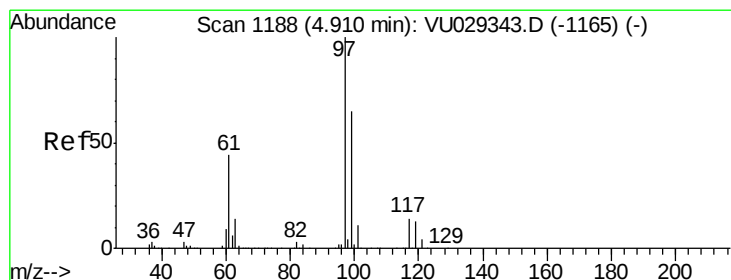
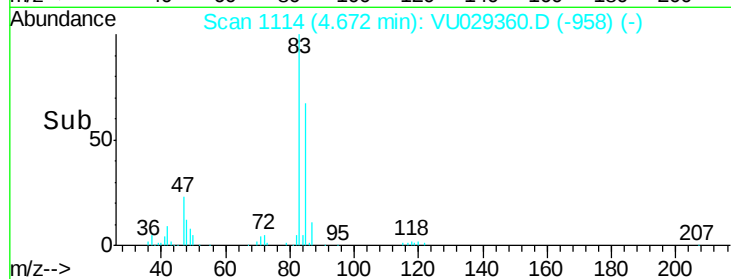
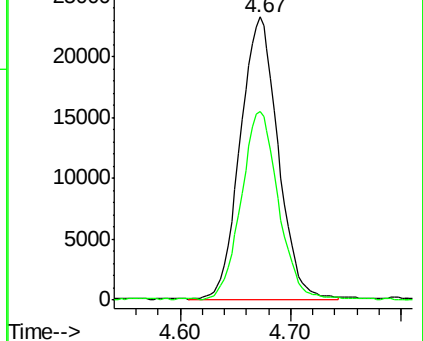
sam

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Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 2.010 ug/l

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

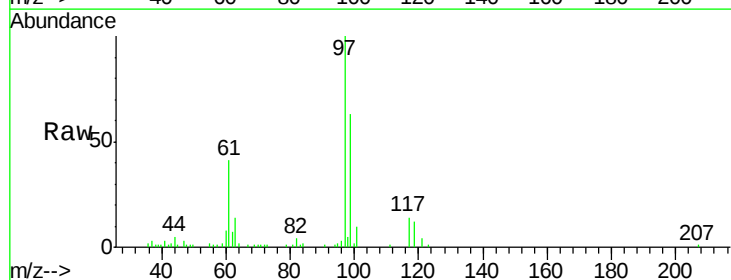
Tgt Ion: 97 Resp: 51657

Ion Ratio Lower Upper

97 100

99 63.3 32.4 97.2

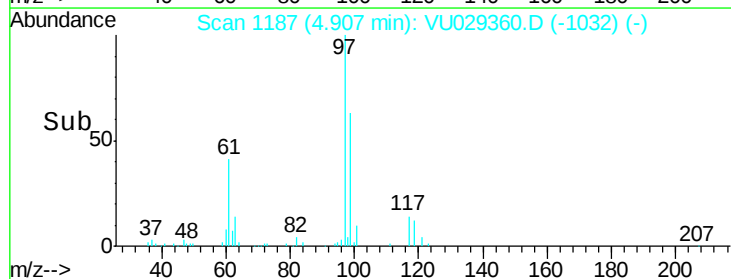
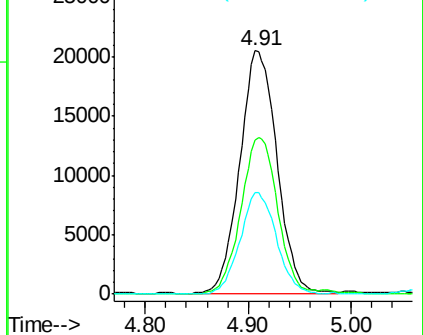
61 40.4 24.4 73.2

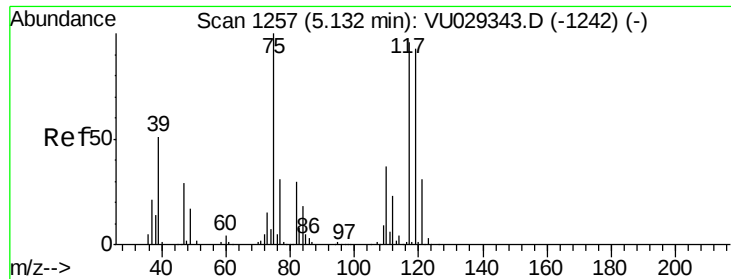


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#29

1,1-Dichloropropene

Concen: 1.895 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

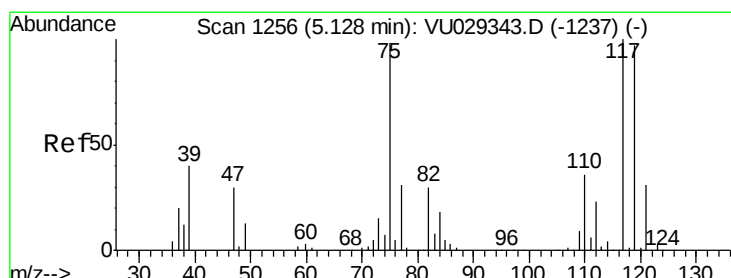
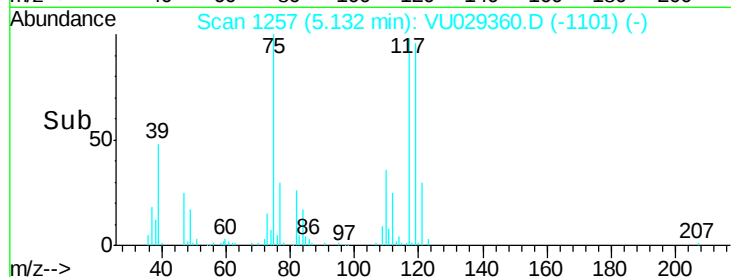
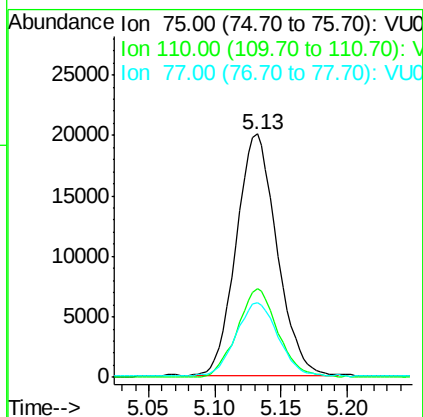
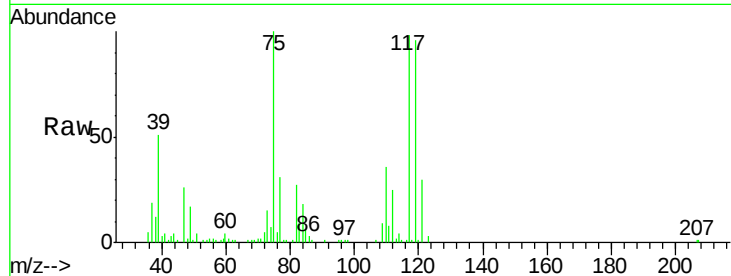
VU0206WBS01

Tot Ion:	75	Resp:	42267
Ion Ratio	Lower	Upper	
75	100		
110	37.0	15.4	46.2
77	31.6	24.1	36.1

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 2.019 ug/l

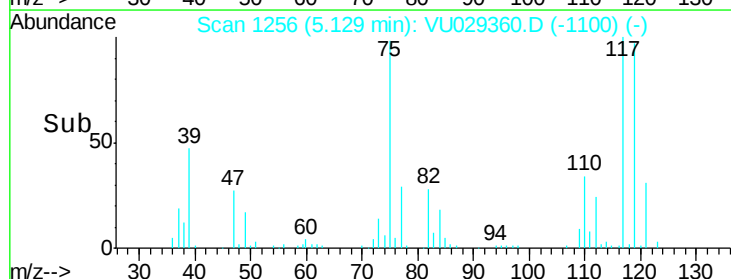
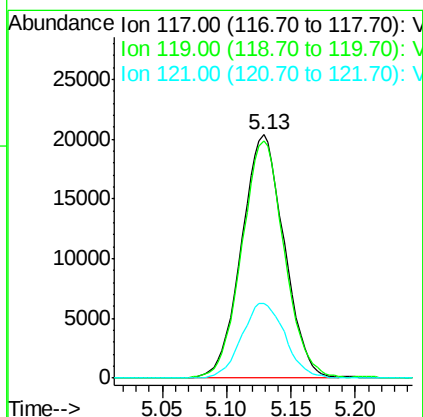
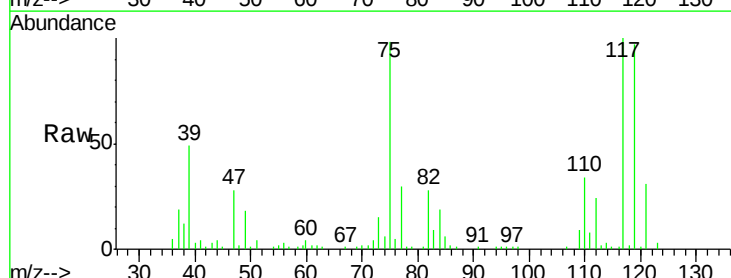
RT: 5.13 min Scan# 1256

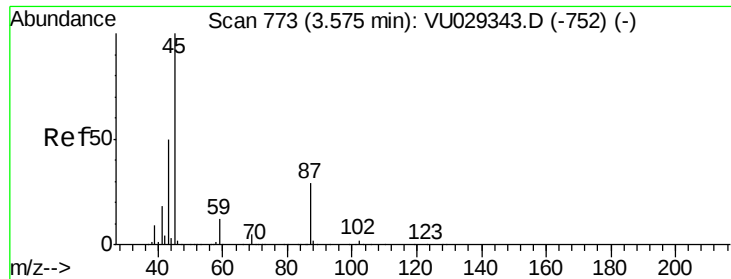
Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Tgt Ion:	117	Resp:	46969
Ion Ratio	Lower	Upper	
117	100		
119	97.4	76.8	115.2
121	30.8	24.4	36.6





#31

Isopropyl Ether

Concen: 1.881 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBS01

Tot Ion: 45 Resp: 80901

Ion Ratio Lower Upper

45 100

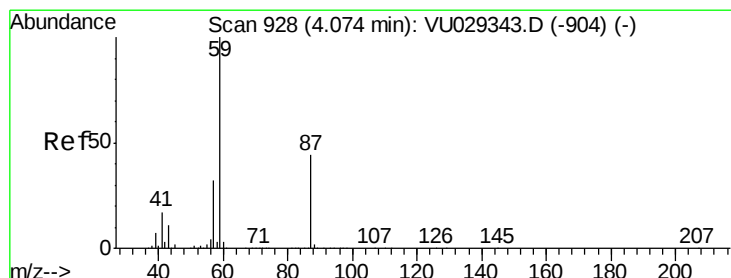
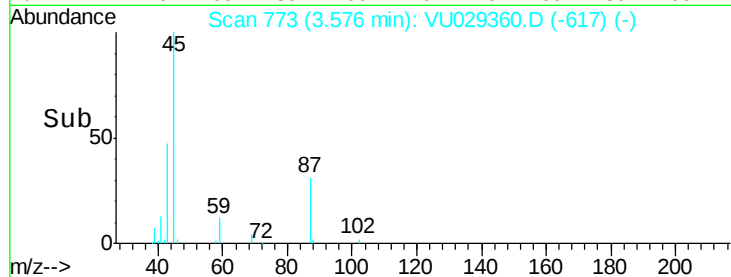
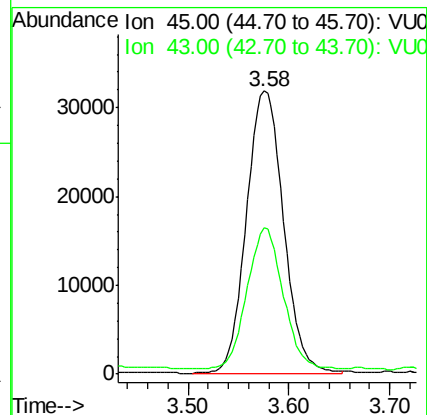
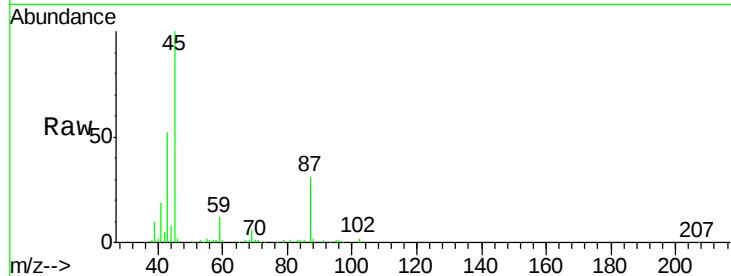
43 48.3 28.4 85.3

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 1.925 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU029360.D

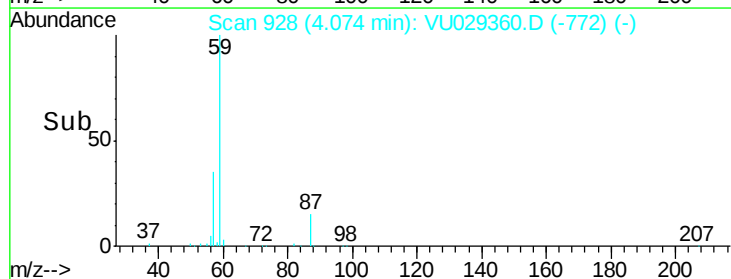
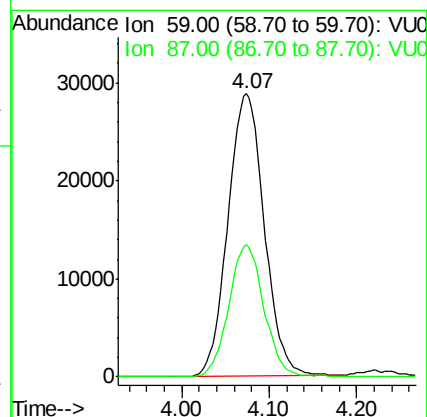
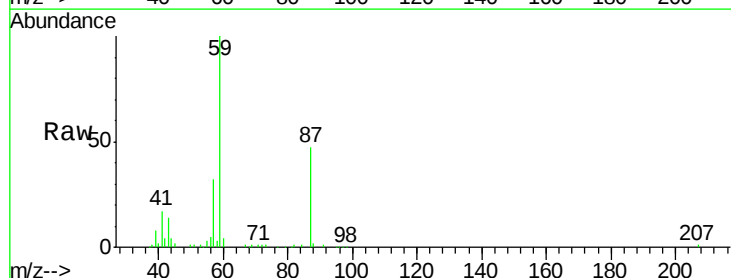
Acq: 06 Feb 2019 13:46

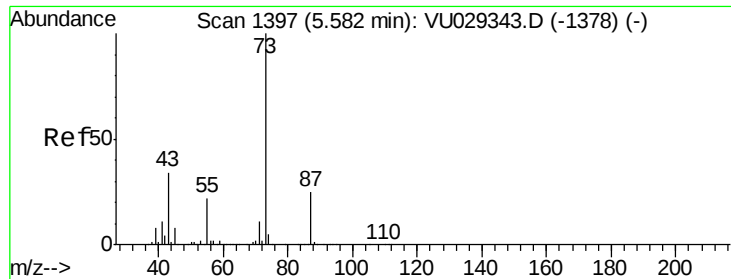
Tgt Ion: 59 Resp: 82965

Ion Ratio Lower Upper

59 100

87 44.6 31.1 46.7





#33
Tert-Butyl methyl ether
Concen: 1.977 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

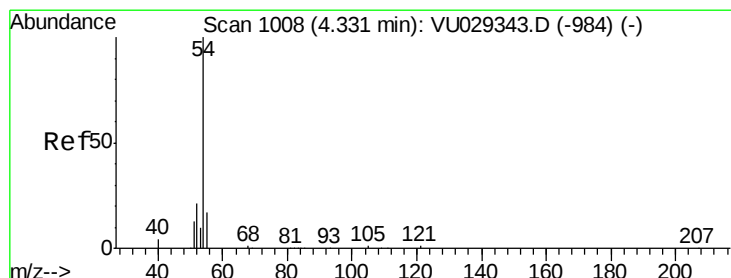
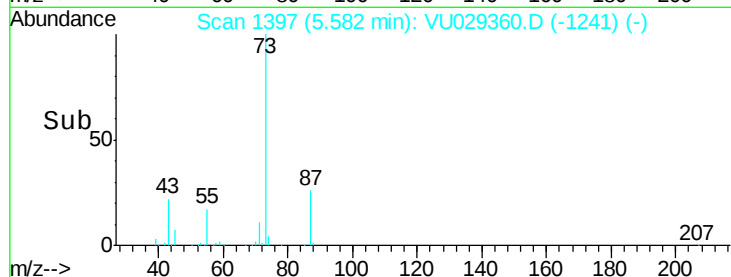
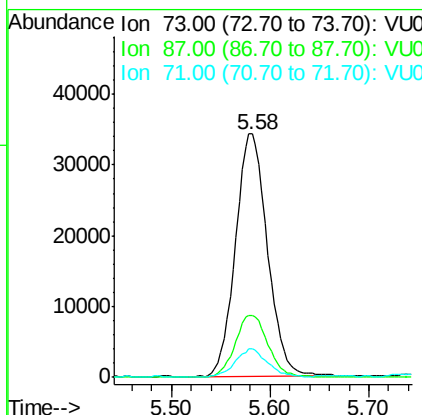
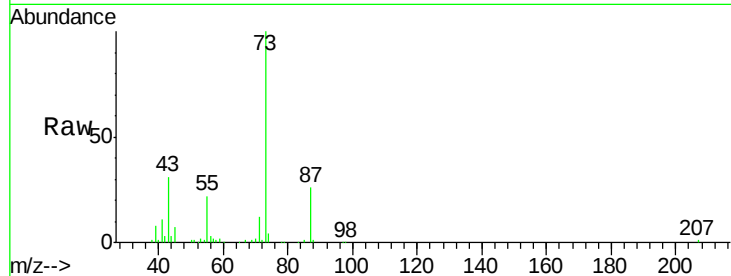
Instrument :
MSVOA_U
ClientSampleId :
VU0206WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
87	26.3	19.4	29.0
71	12.2	9.0	13.4

Manual Integrations
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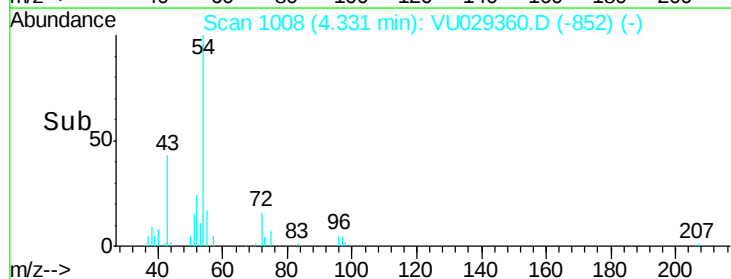
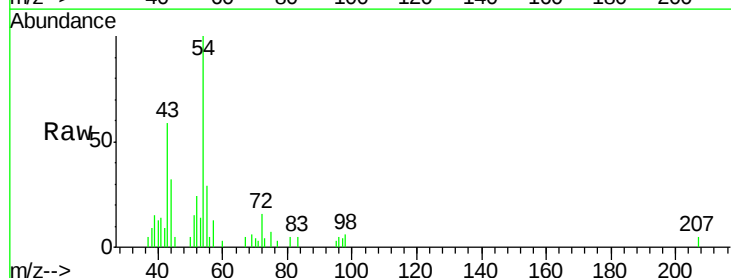
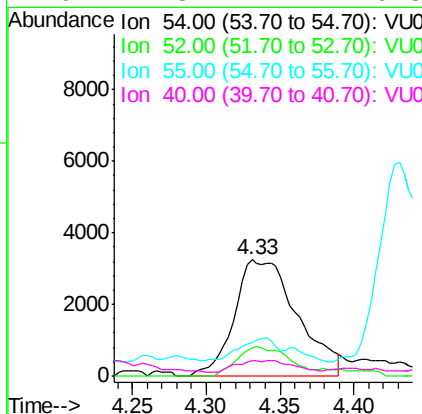
sam

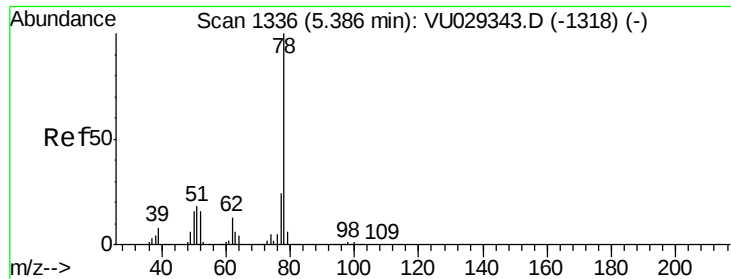
2/8/2019 2:27:35 PM



#34
Propionitrile
Concen: 9.399 ug/l m
RT: 4.33 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.5	18.9	28.3
55	9.8	15.1	22.7#
40	4.3	7.2	10.8#





#35

Benzene

Concen: 1.943 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBS01

Tot Ion: 78 Resp: 119844

Ion Ratio Lower Upper

78 100

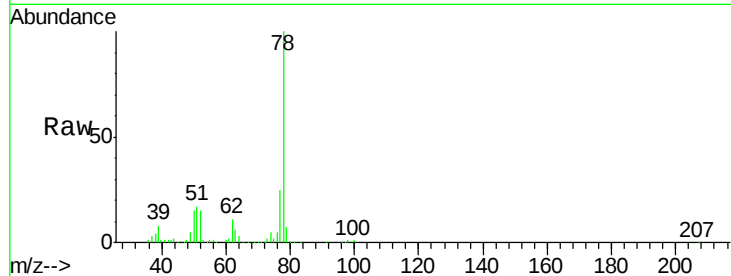
77 25.1 19.8 29.8

Manual Integrations

APPROVED

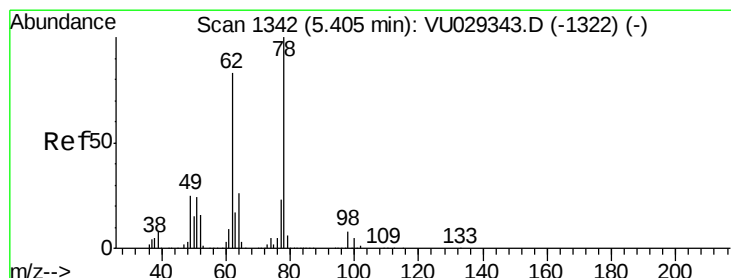
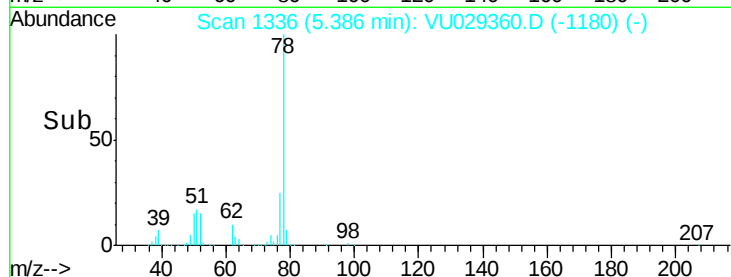
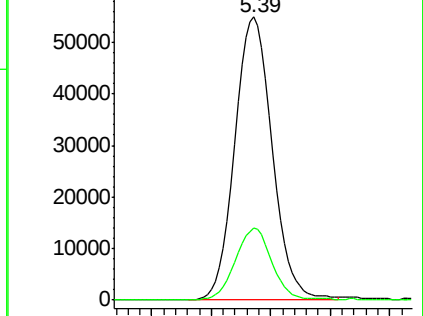
sam

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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 1.885 ug/l

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU029360.D

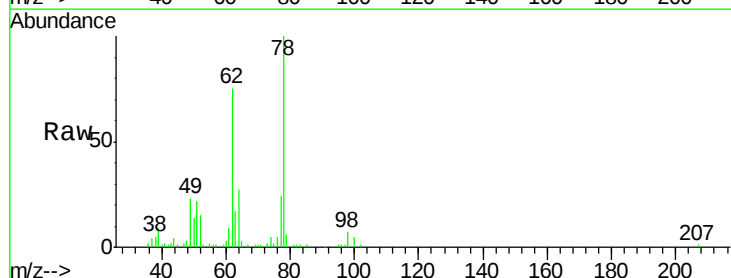
Acq: 06 Feb 2019 13:46

Tgt Ion: 62 Resp: 35168

Ion Ratio Lower Upper

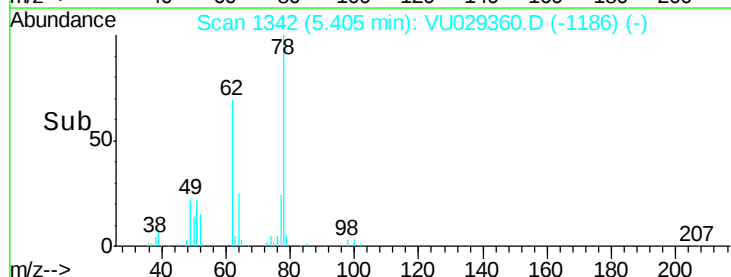
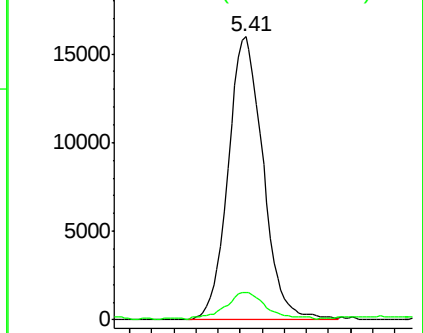
62 100

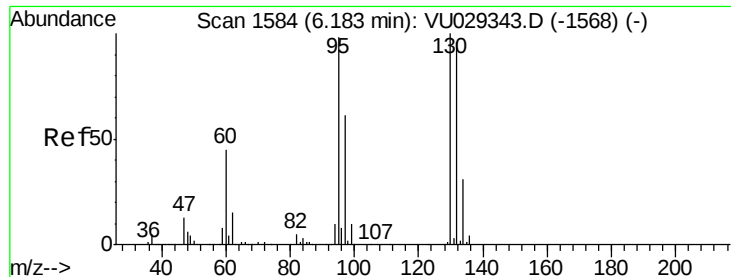
98 11.4 4.9 7.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37
 Trichloroethene
 Concen: 2.093 ug/l
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU029360.D
 Acq: 06 Feb 2019 13:46

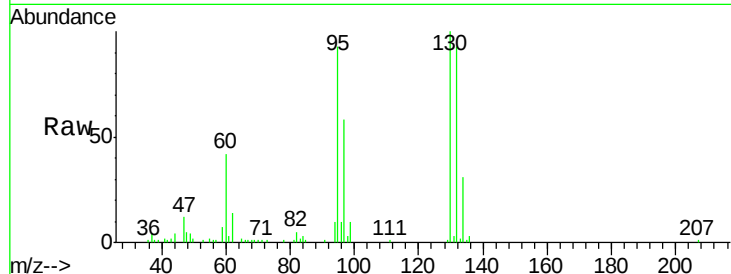
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0206WBS01

Tot Ion:130 Resp: 37045
 Ion Ratio Lower Upper
 130 100
 95 93.4 85.4 128.0

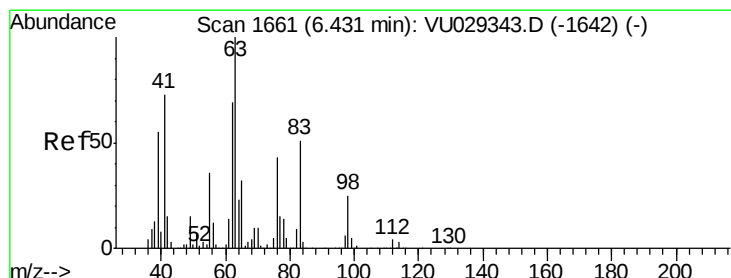
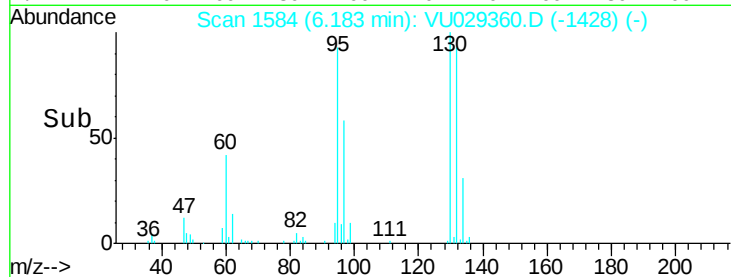
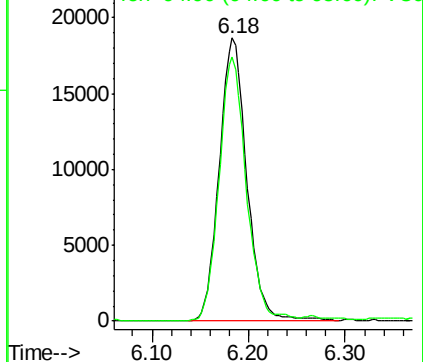
Manual Integrations
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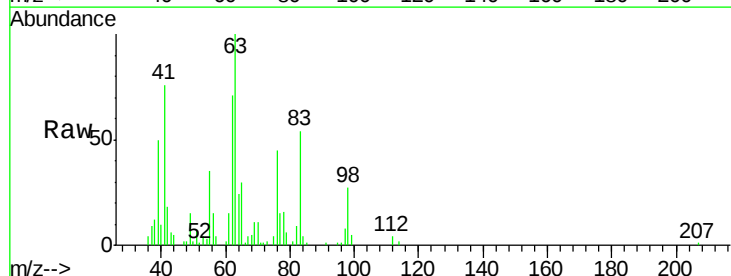


Abundance Ion 129.90 (129.60 to 130.60): VU029343.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU029360.D (-1428) (-)

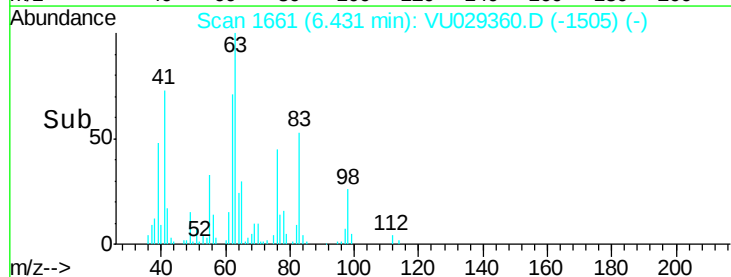
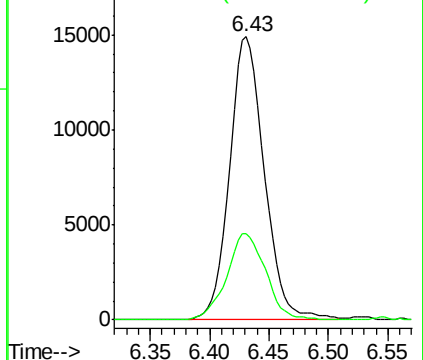


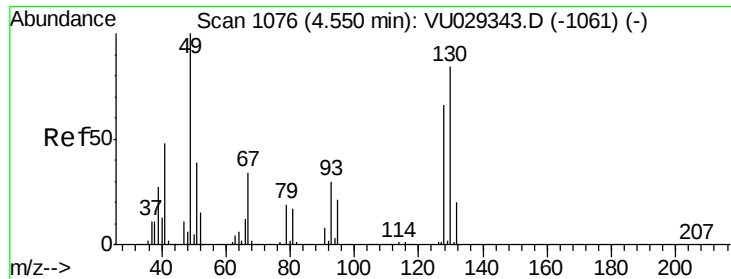
#38
 1,2-Dichloropropane
 Concen: 1.881 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029360.D
 Acq: 06 Feb 2019 13:46

Tgt Ion: 63 Resp: 30177
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU029343.D (-1642) (-)
 Ion 65.00 (64.70 to 65.70): VU029360.D (-1505) (-)





#39
Methacrylonitrile
Concen: 1.739 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

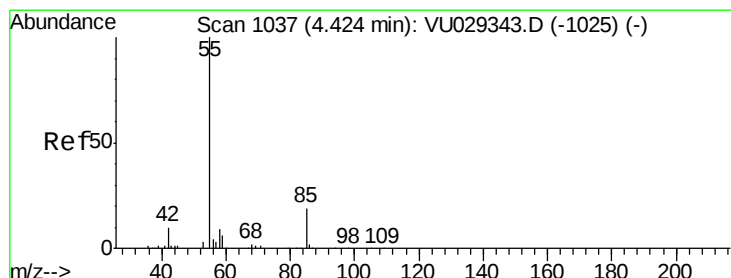
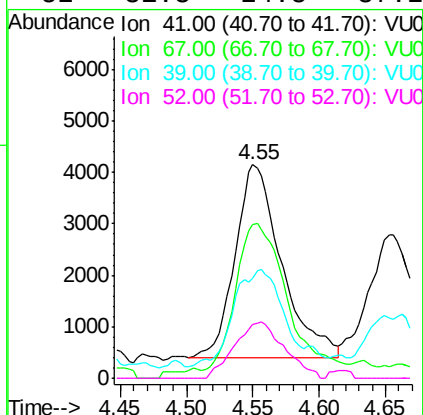
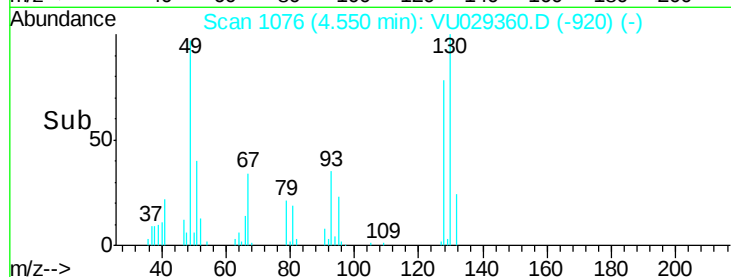
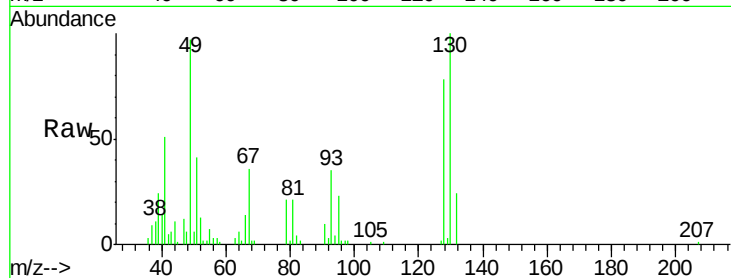
Instrument :
MSVOA_U
ClientSampleId :
VU0206WBS01

Tot Ion:	41	Resp:	9088
Ion	Ratio	Lower	Upper
41	100		
67	85.9	50.1	75.1#
39	53.4	47.9	71.9
52	31.3	24.8	37.2

Manual Integrations
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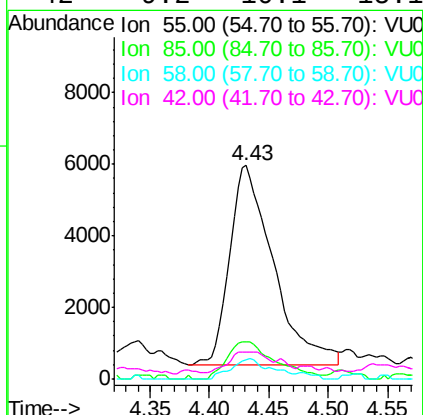
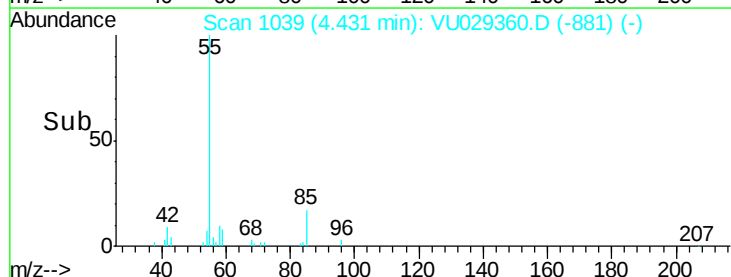
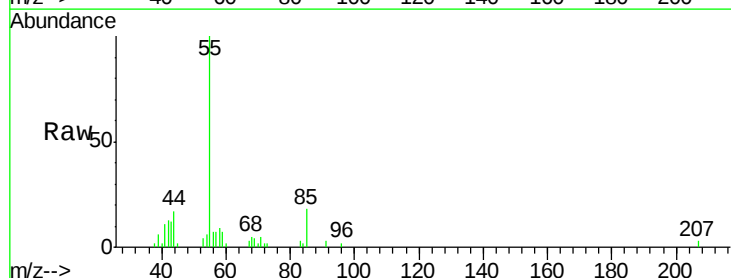
sam

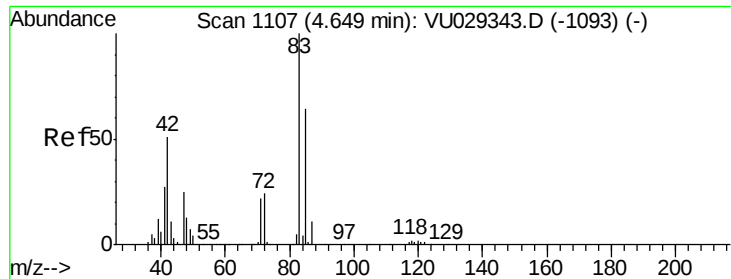
2/8/2019 2:27:35 PM



#40
Methyl acrylate
Concen: 1.804 ug/l
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

Tgt Ion:	55	Resp:	14232
Ion	Ratio	Lower	Upper
55	100		
85	20.6	11.3	16.9#
58	9.0	6.2	9.4
42	9.2	10.1	15.1#





#41
Tetrahydrofuran
Concen: 3.783 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

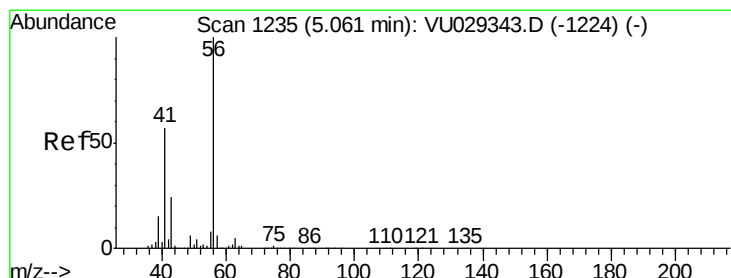
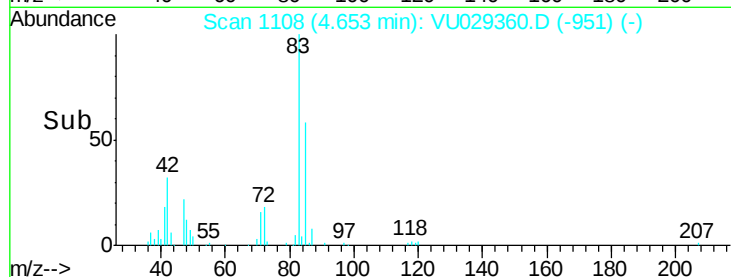
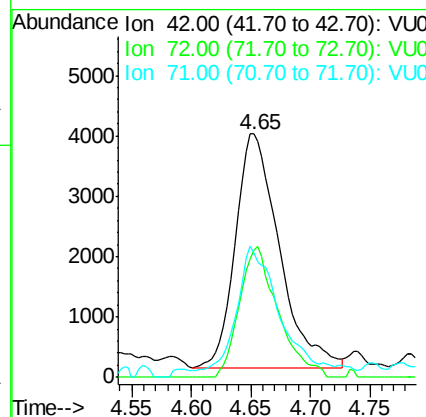
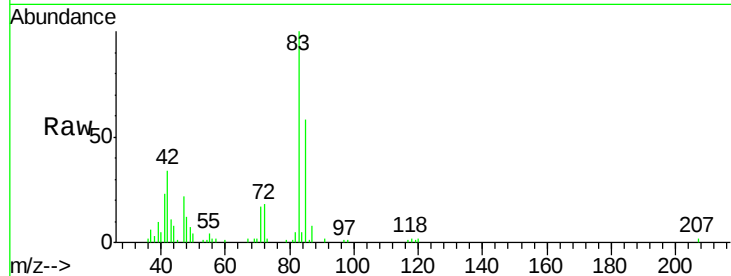
Instrument :
MSVOA_U
ClientSampleId :
VU0206WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.1	33.1	49.7
71	50.0	30.2	45.2

Manual Integrations
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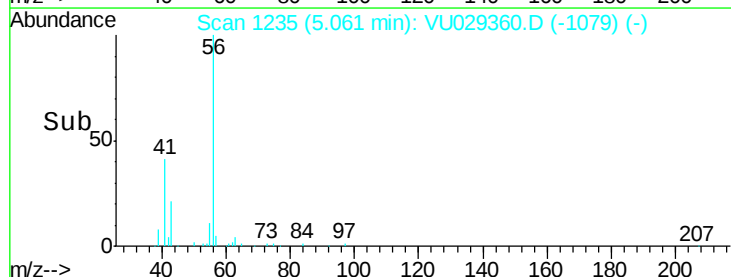
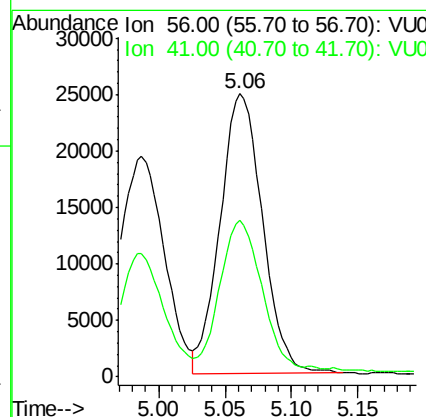
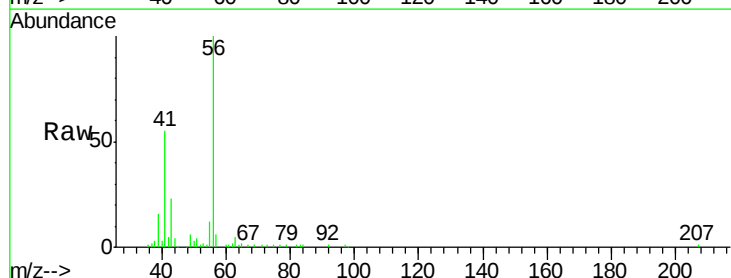
sam

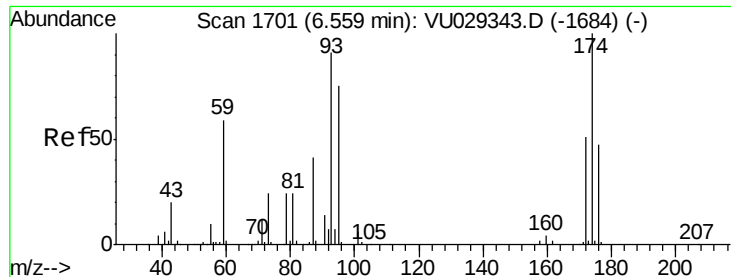
2/8/2019 2:27:35 PM



#42
1-Chlorobutane
Concen: 1.844 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

Tgt Ion	Ratio	Lower	Upper
56	100		
41	52.7	31.3	93.8





#43

Dibromomethane

Concen: 1.889 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

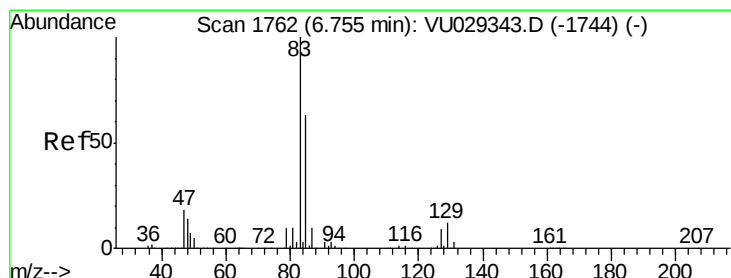
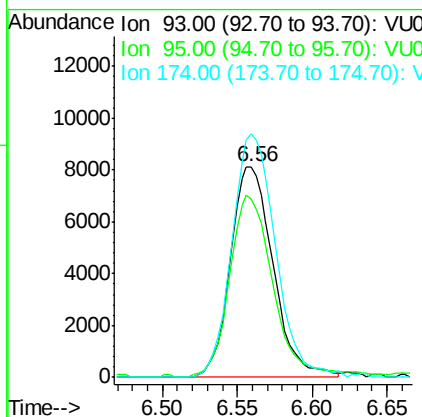
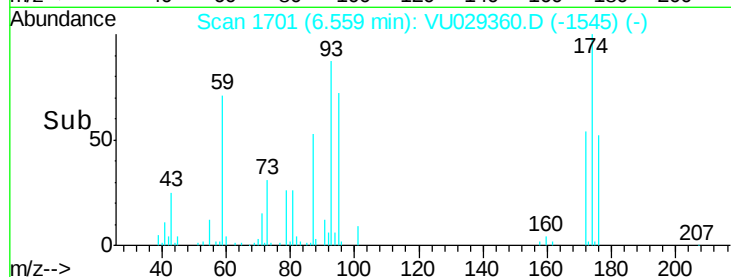
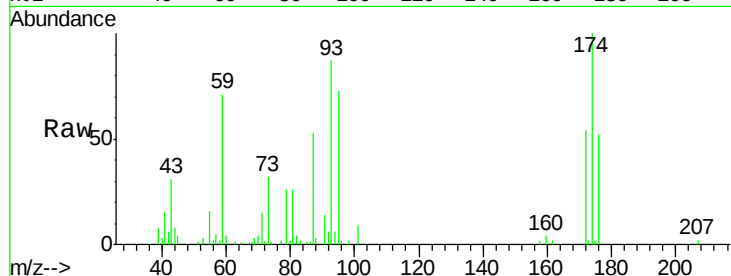
VU0206WBS01

Tot Ion:	93	Resp:	16153
Ion	Ratio	Lower	Upper
93	100		
95	87.5	68.2	102.2
174	118.0	77.6	116.4#

Manual Integrations
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sam

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#44

Bromodichloromethane

Concen: 1.961 ug/l

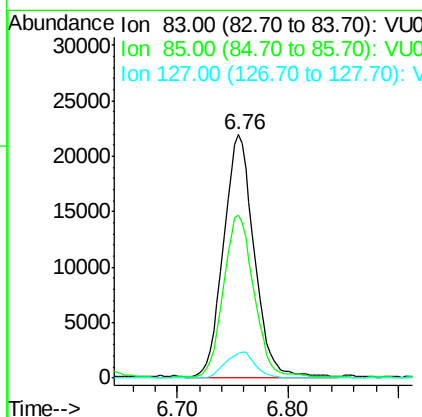
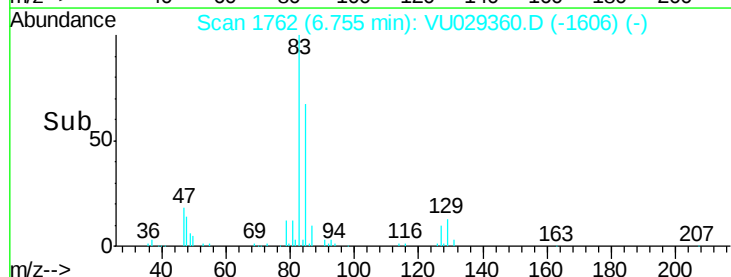
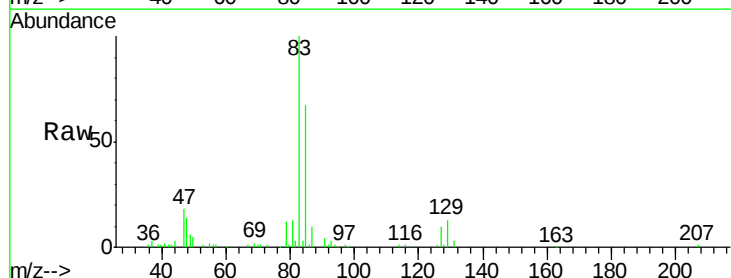
RT: 6.76 min Scan# 1762

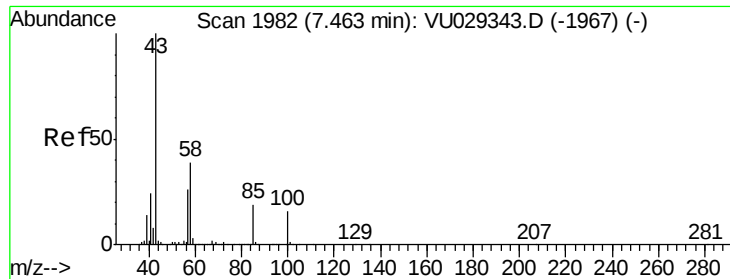
Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Tgt Ion:	83	Resp:	42736
Ion	Ratio	Lower	Upper
83	100		
85	66.5	49.2	73.8
127	11.1	7.0	10.6#





#45
4-Methyl-2-Pentanone
Concen: 9.032 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

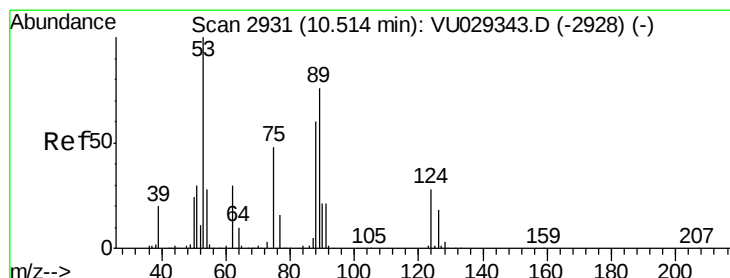
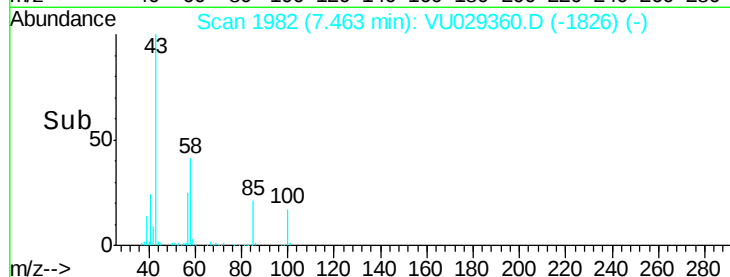
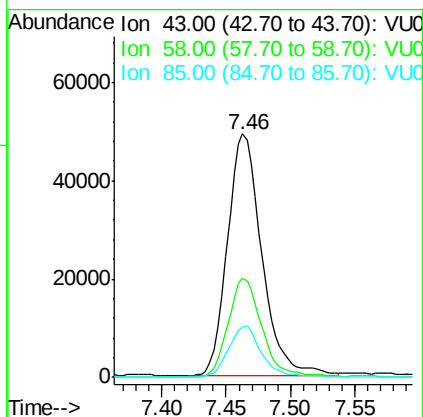
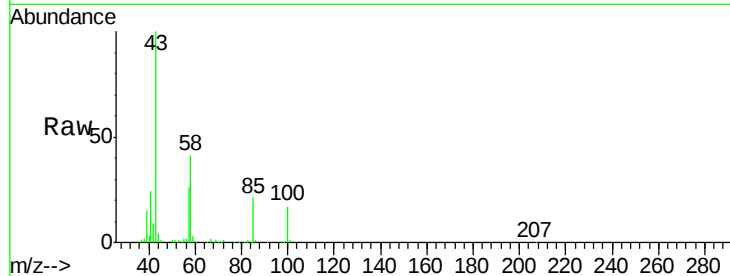
Instrument :
MSVOA_U
ClientSampleId :
VU0206WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.9	17.6	52.8
85	20.8	12.3	18.5

Manual Integrations
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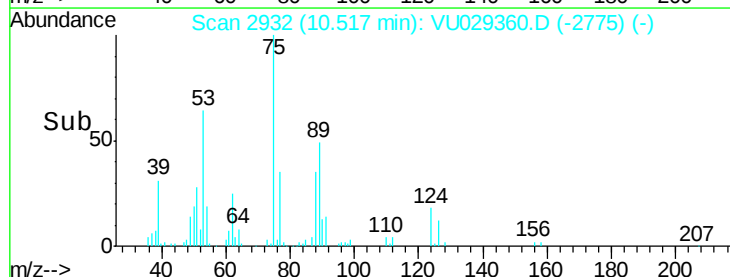
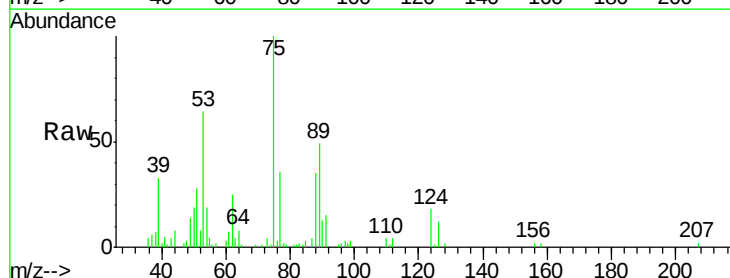
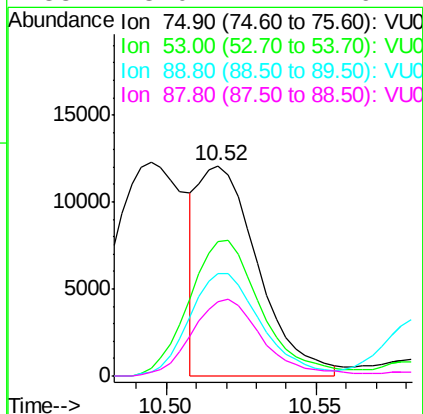
sam

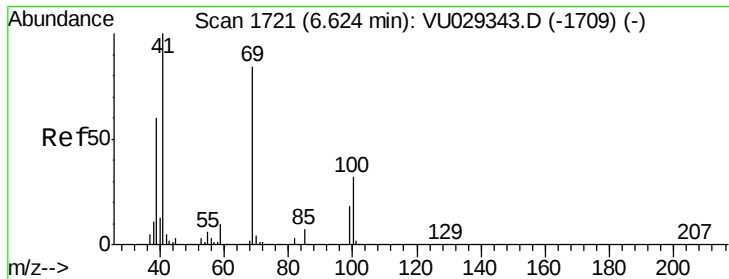
2/8/2019 2:27:35 PM



#46
t-1,4-Dichloro-2-butene
Concen: 3.430 ug/l m
RT: 10.52 min Scan# 2932
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

Tgt Ion	Ratio	Lower	Upper
75	100		
53	78.5	78.2	117.4
89	58.1	44.2	66.4
88	43.0	41.4	62.2





#47
Methvl methacrylate
Concen: 3.890 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

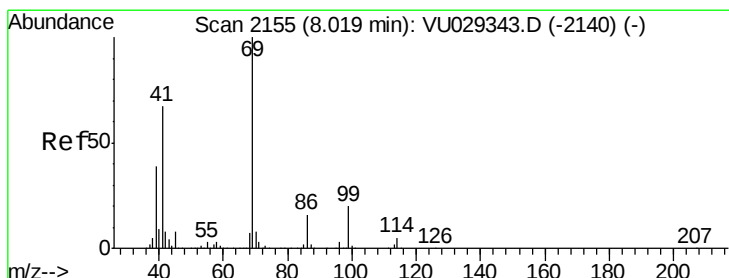
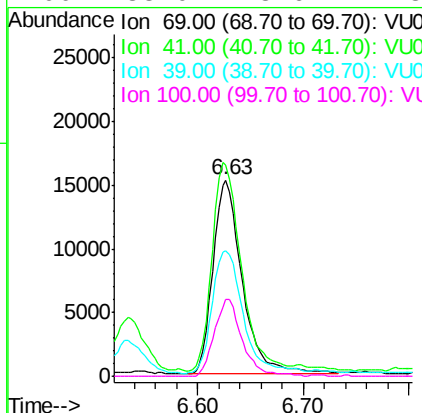
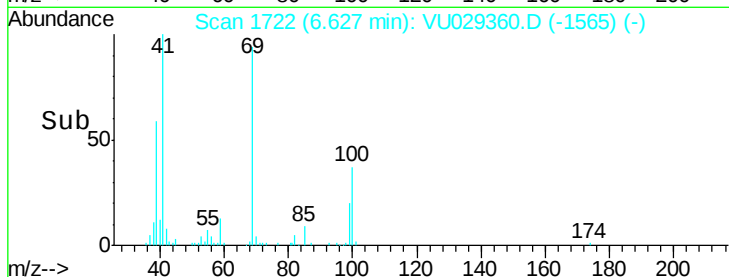
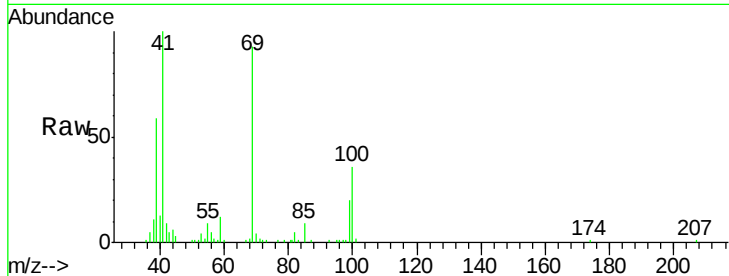
Instrument :
MSVOA_U
ClientSampleId :
VU0206WBS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	106.7	0.0	296.2
39	67.4	71.2	106.8
100	38.0	28.6	42.8

Manual Integrations
APPROVED

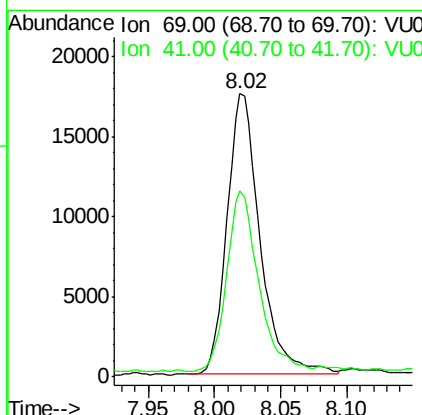
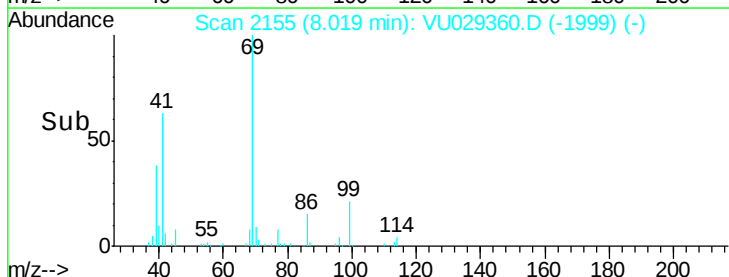
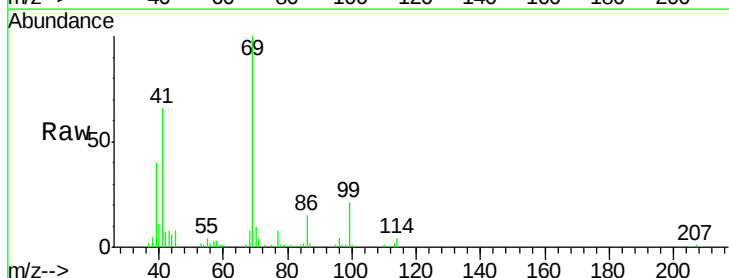
sam

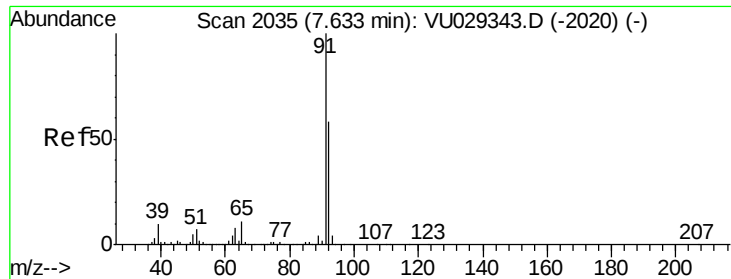
2/8/2019 2:27:35 PM



#48
Ethyl methacrylate
Concen: 1.888 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.0	39.9	119.7





#49

Toluene

Concen: 1.957 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBS01

Tot Ion: 92 Resp: 77248

Ion Ratio Lower Upper

92 100

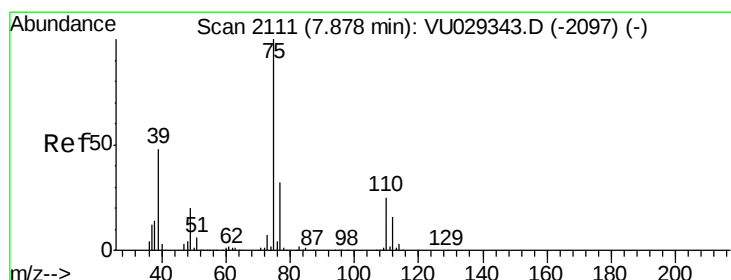
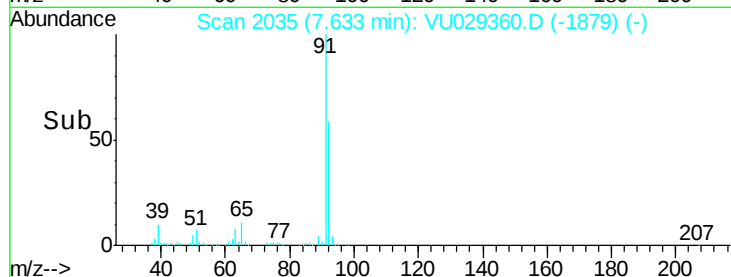
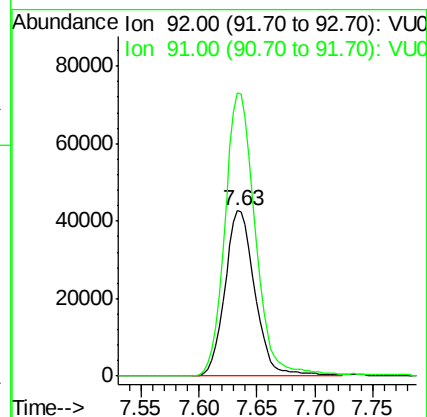
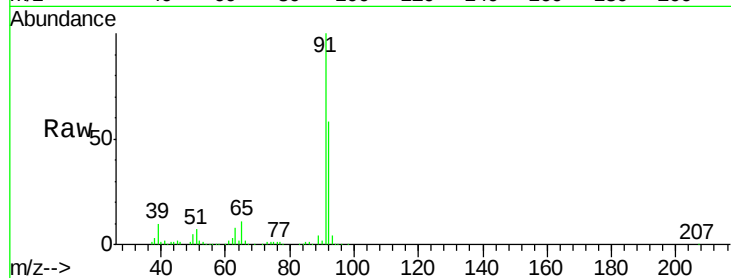
91 171.5 140.7 211.1

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 1.917 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029360.D

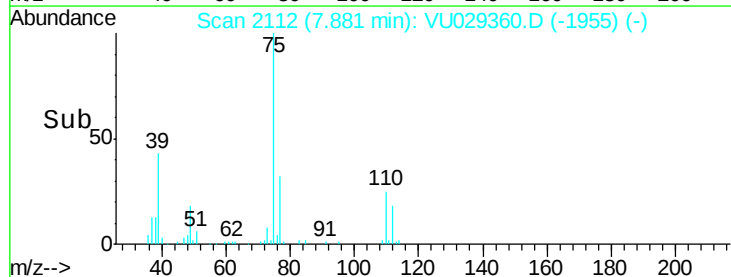
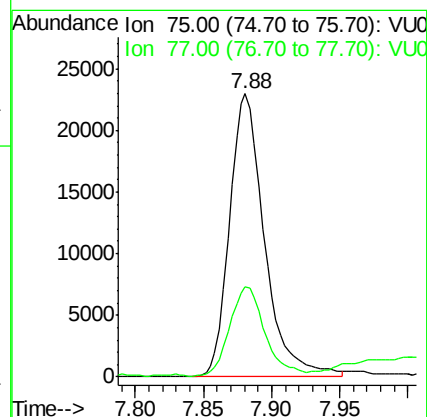
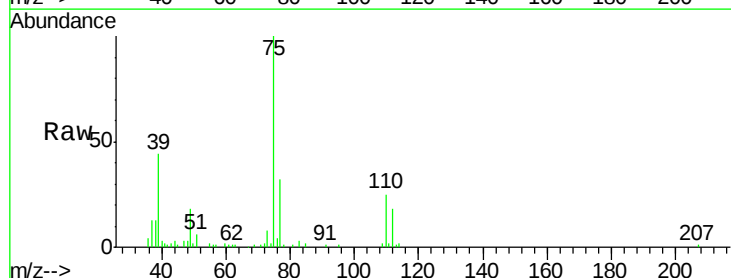
Acq: 06 Feb 2019 13:46

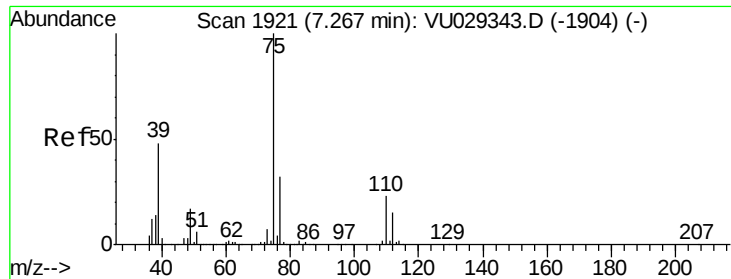
Tgt Ion: 75 Resp: 40939

Ion Ratio Lower Upper

75 100

77 32.0 23.6 35.4





#51

cis-1,3-Dichloropropene
 Concen: 1.930 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU029360.D
 Acq: 06 Feb 2019 13:46

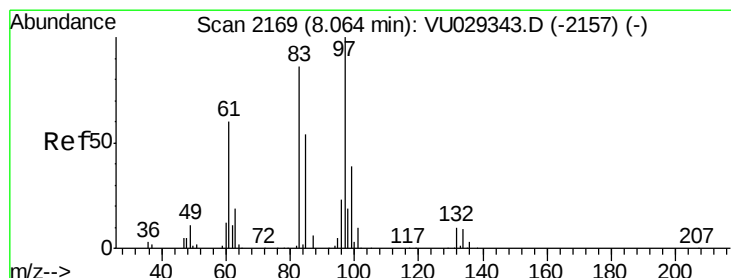
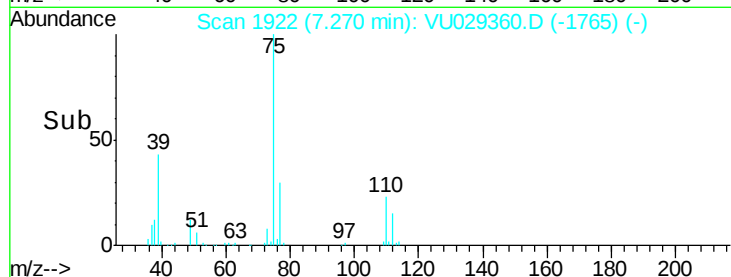
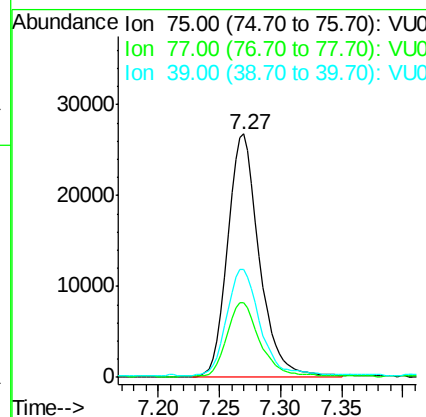
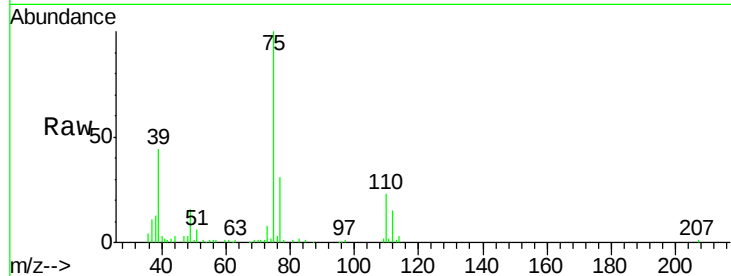
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0206WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.9	37.3
39	43.2	47.2	70.8#

Manual Integrations
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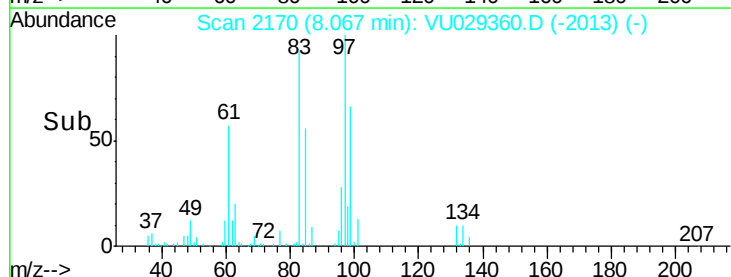
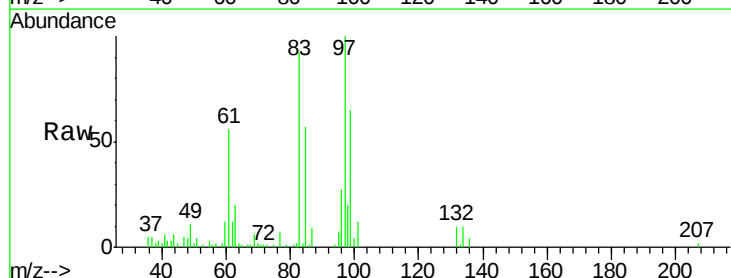
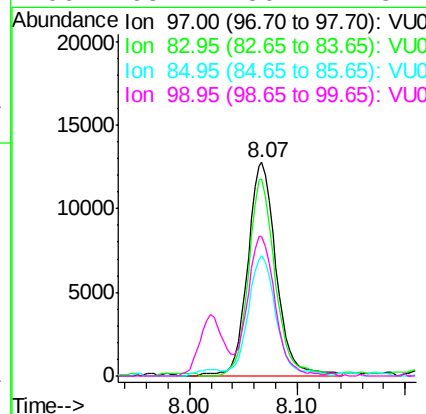
2/8/2019 2:27:35 PM

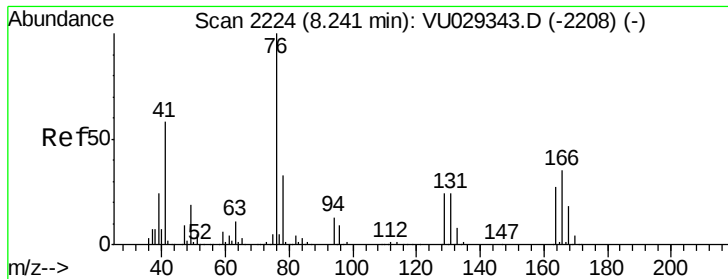


#52

1,1,2-Trichloroethane
 Concen: 2.080 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU029360.D
 Acq: 06 Feb 2019 13:46

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.2	69.9	104.9
85	55.6	45.8	68.6
99	65.2	50.2	75.2





#53
 1,3-Dichloropropane
 Concen: 1.942 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029360.D
 Acq: 06 Feb 2019 13:46

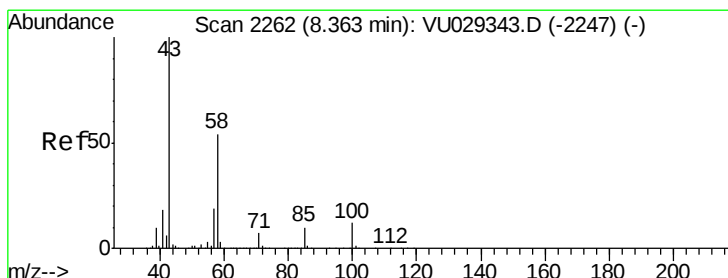
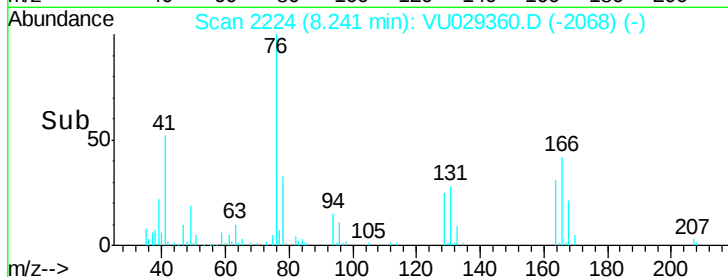
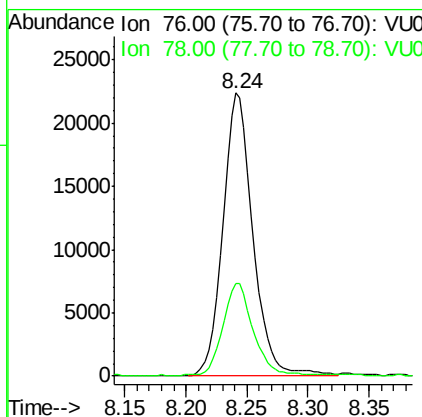
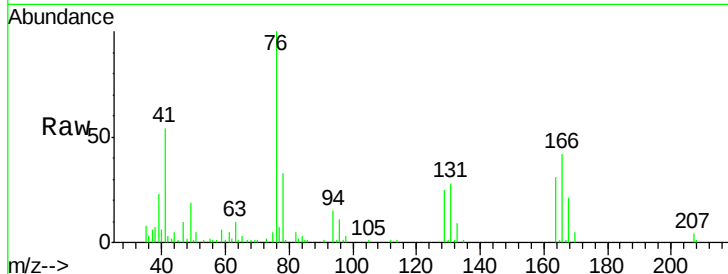
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0206WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.6	26.3	39.5

Manual Integrations
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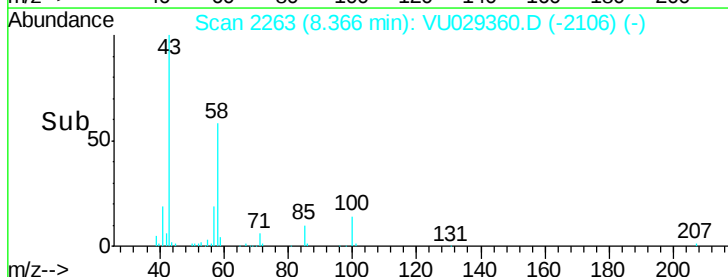
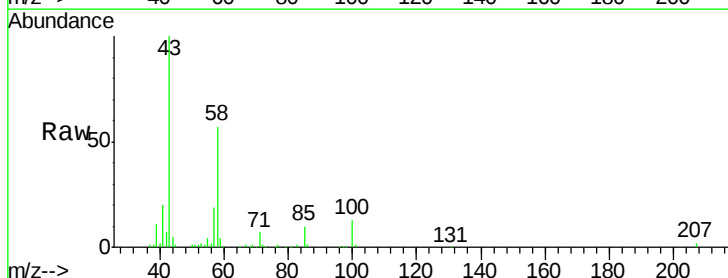
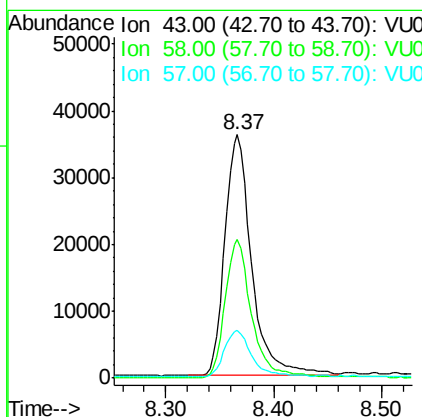
sam

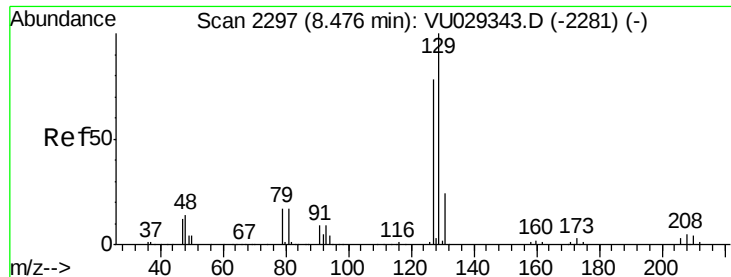
2/8/2019 2:27:35 PM



#54
 2-Hexanone
 Concen: 8.934 ug/l
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.00 min
 Lab File: VU029360.D
 Acq: 06 Feb 2019 13:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	57.1	26.0	66.0
57	19.6	0.0	37.7





#55

Dibromochloromethane

Concen: 2.015 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBS01

Tot Ion:129 Resp: 32425

Ion Ratio Lower Upper

129 100

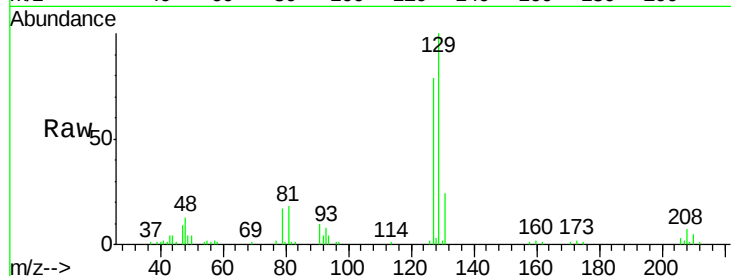
127 75.2 60.5 90.7

Manual Integrations

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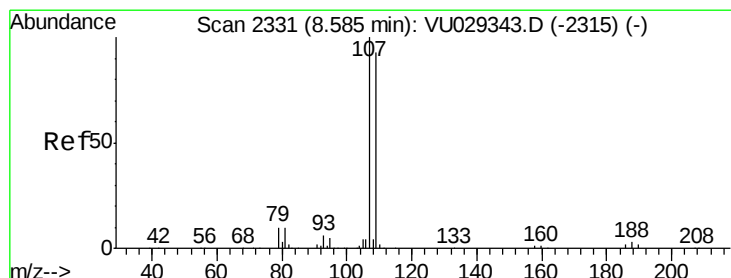
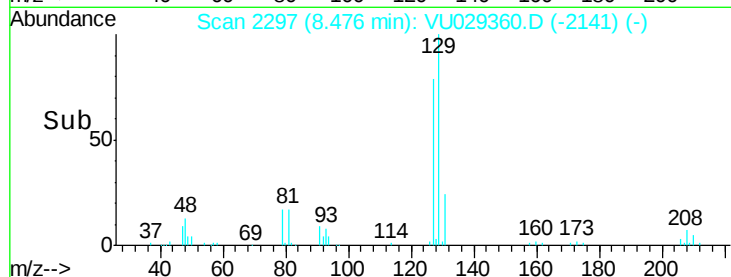
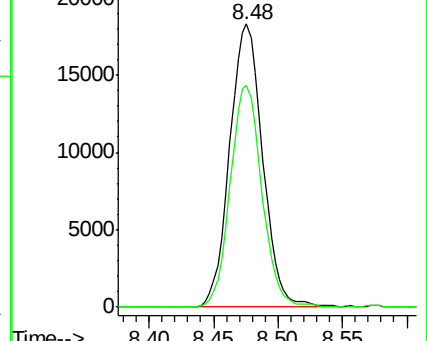
sam

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.940 ug/l

RT: 8.58 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU029360.D

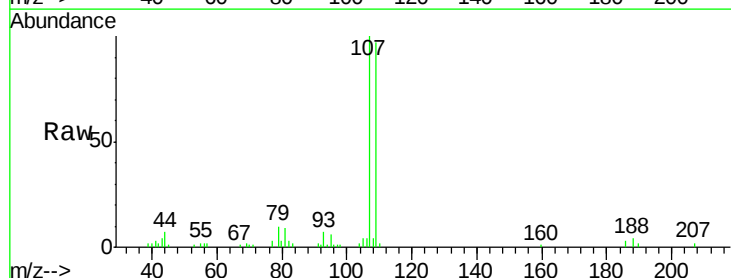
Acq: 06 Feb 2019 13:46

Tgt Ion:107 Resp: 22536

Ion Ratio Lower Upper

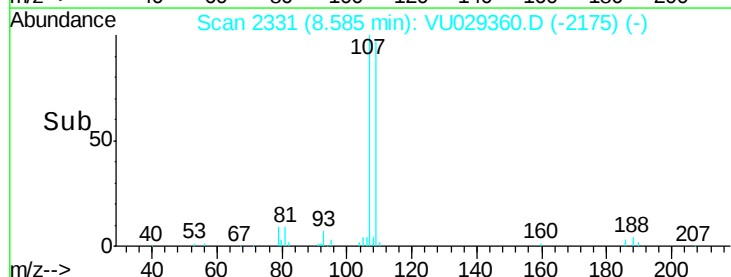
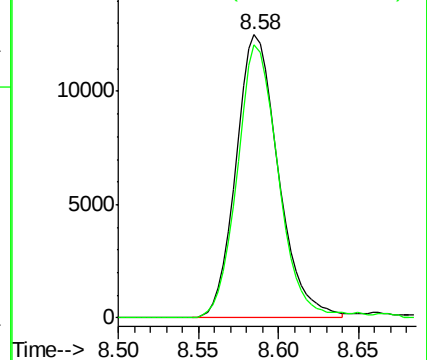
107 100

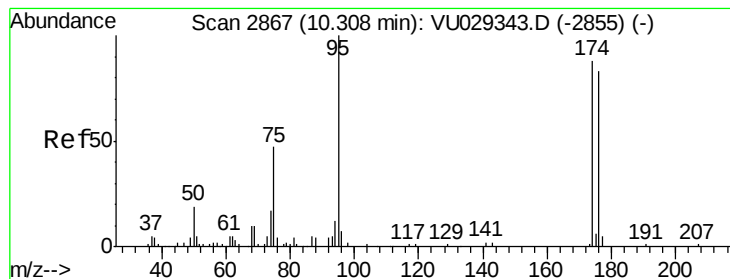
109 94.2 0.0 189.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 1.940 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBS01

Tot Ion: 95 Resp: 22104

Ion Ratio Lower Upper

95 100

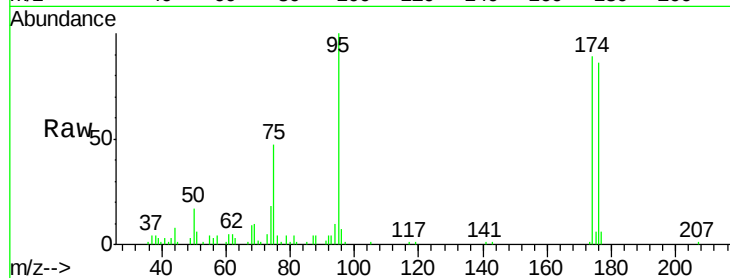
174 87.5 64.2 96.2

176 85.1 62.3 93.5

Manual Integrations
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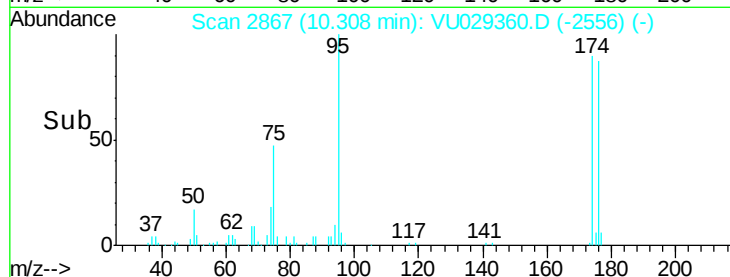


Abundance Ion 95.00 (94.70 to 95.70): VU029360.D (-2556) (-)

Ion 174.00 (173.70 to 174.70): VU029360.D (-2556) (-)

Ion 176.00 (175.70 to 176.70): VU029360.D (-2556) (-)

Time-->



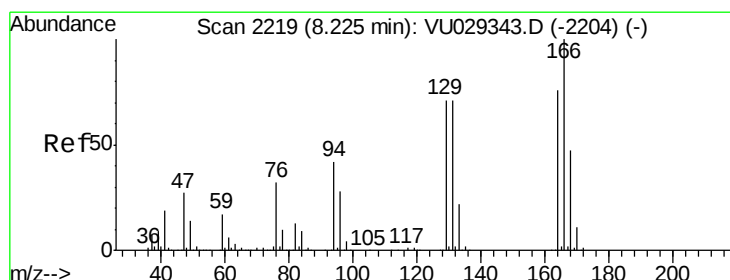
Abundance

Ion 95.00 (94.70 to 95.70): VU029360.D (-2556) (-)

Ion 174.00 (173.70 to 174.70): VU029360.D (-2556) (-)

Ion 176.00 (175.70 to 176.70): VU029360.D (-2556) (-)

Time-->



#58

Tetrachloroethene

Concen: 2.101 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Tgt Ion: 164 Resp: 34607

Ion Ratio Lower Upper

164 100

166 131.2 106.6 159.8

129 92.5 79.9 119.9

131 86.1 75.8 113.8

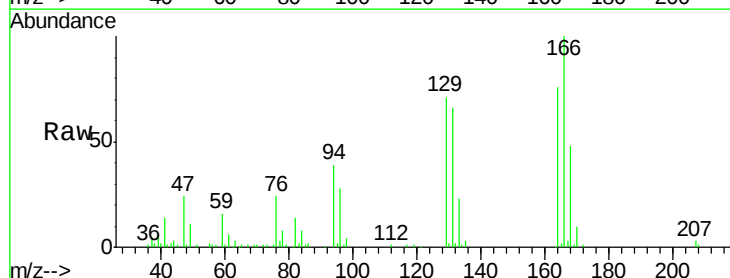
Abundance Ion 163.85 (163.55 to 164.55): VU029360.D (-2063) (-)

Ion 165.80 (165.50 to 166.50): VU029360.D (-2063) (-)

Ion 128.90 (128.60 to 129.60): VU029360.D (-2063) (-)

Ion 130.90 (130.60 to 131.60): VU029360.D (-2063) (-)

Time-->



Abundance

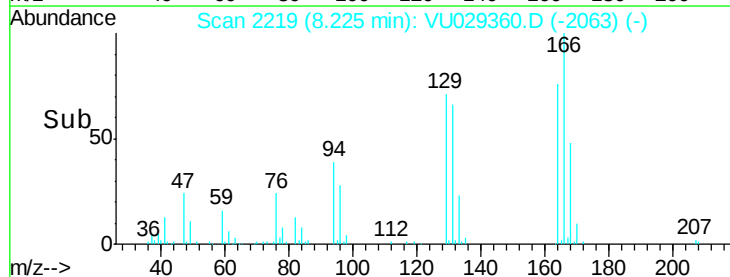
Ion 163.85 (163.55 to 164.55): VU029360.D (-2063) (-)

Ion 165.80 (165.50 to 166.50): VU029360.D (-2063) (-)

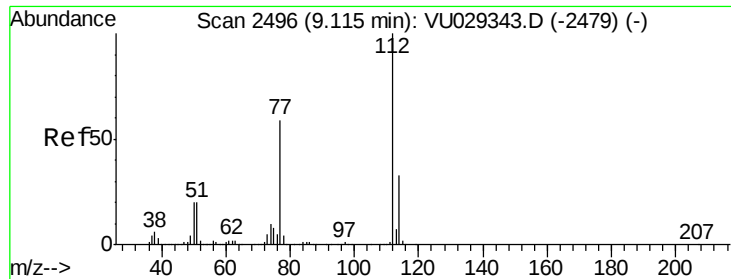
Ion 128.90 (128.60 to 129.60): VU029360.D (-2063) (-)

Ion 130.90 (130.60 to 131.60): VU029360.D (-2063) (-)

Time-->



Time-->



#59
Chlorobenzene
Concen: 2.044 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

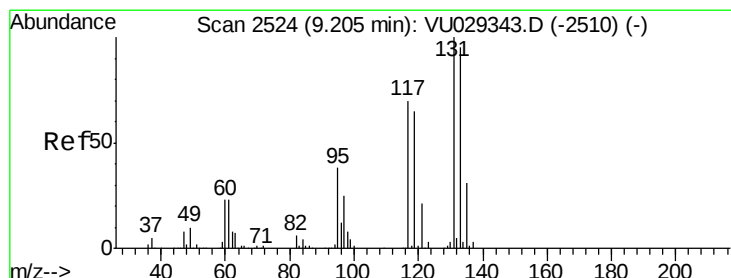
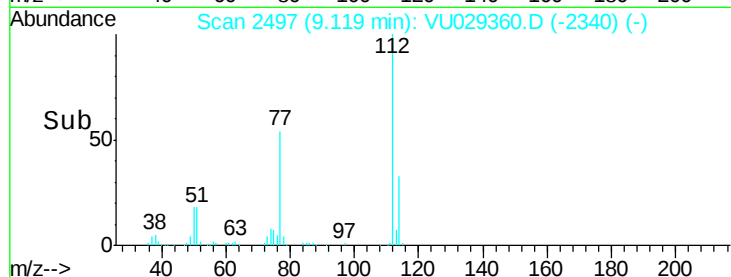
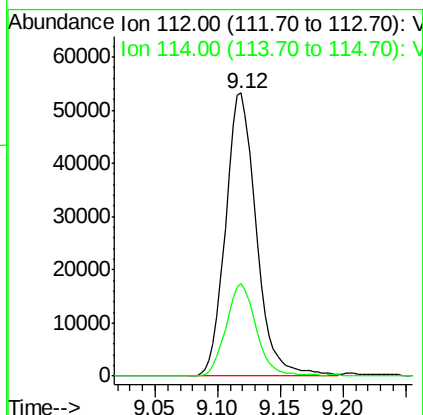
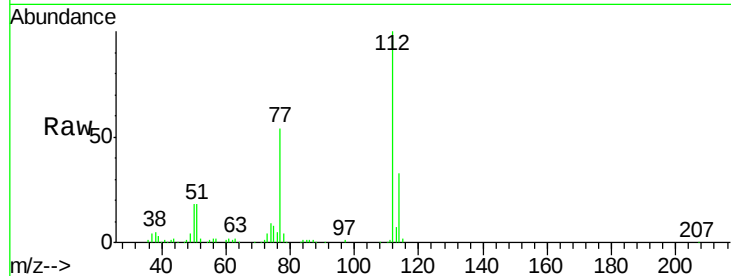
Instrument :
MSVOA_U
ClientSampleId :
VU0206WBS01

Tot Ion:112 Resp: 90908
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4

Manual Integrations
APPROVED

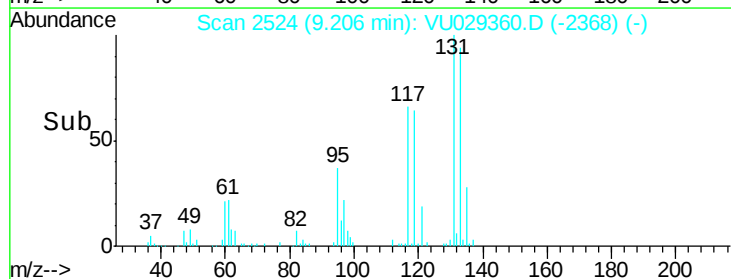
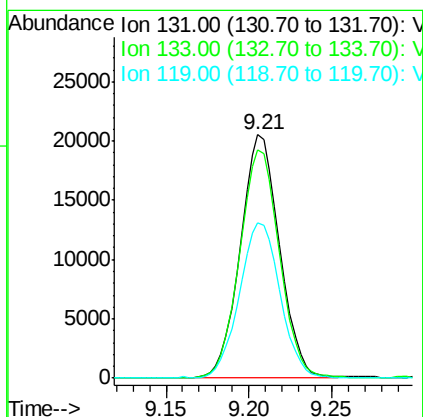
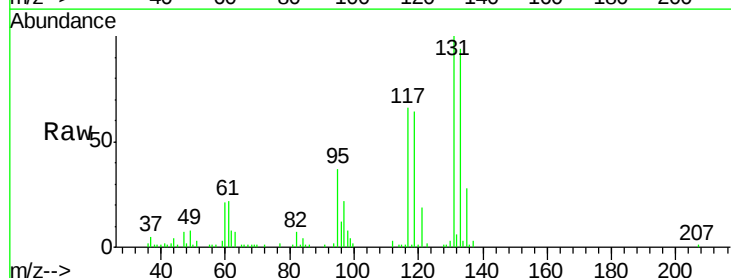
sam

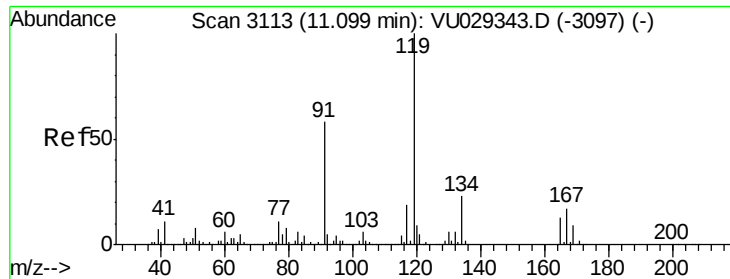
2/8/2019 2:27:35 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 2.051 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

Tgt Ion:131 Resp: 33695
Ion Ratio Lower Upper
131 100
133 95.3 77.3 115.9
119 66.3 48.9 73.3





#61
 Pentachloroethane
 Concen: 1.927 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU029360.D
 Acq: 06 Feb 2019 13:46

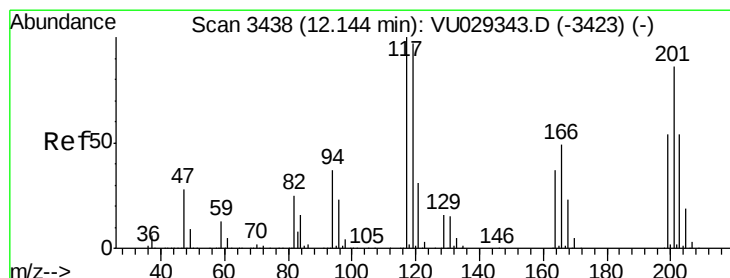
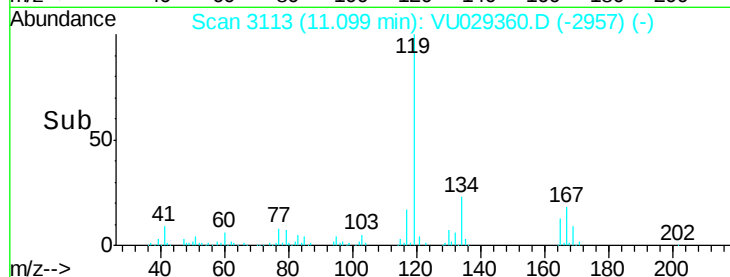
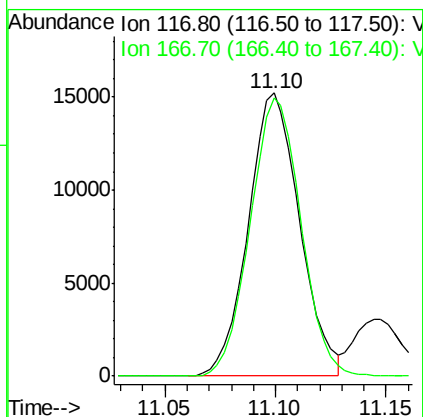
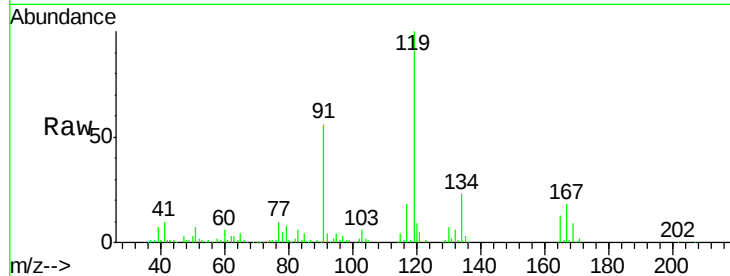
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0206WBS01

Tot Ion:117 Resp: 24539
 Ion Ratio Lower Upper
 117 100
 167 97.0 65.9 98.9

Manual Integrations
 APPROVED

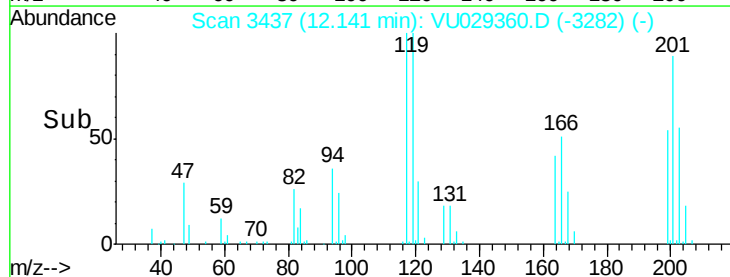
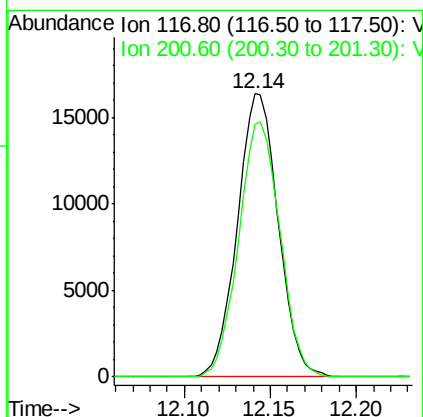
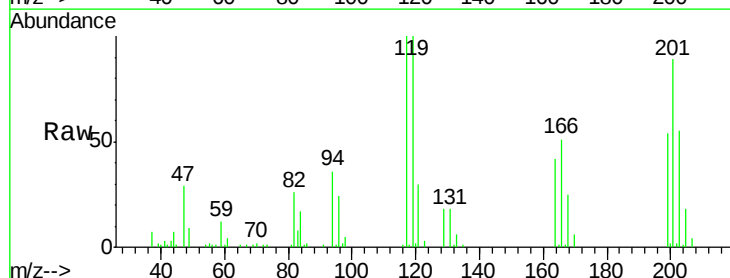
sam

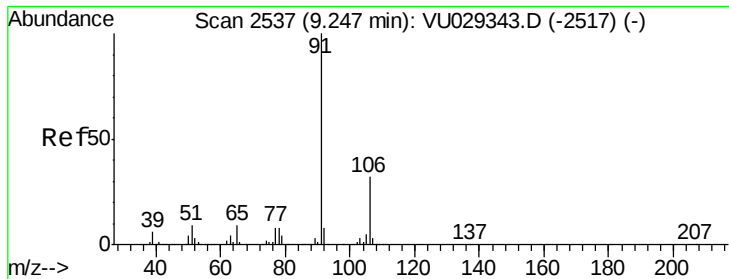
2/8/2019 2:27:35 PM



#62
 Hexachloroethane
 Concen: 1.938 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. -0.00 min
 Lab File: VU029360.D
 Acq: 06 Feb 2019 13:46

Tgt Ion:117 Resp: 26940
 Ion Ratio Lower Upper
 117 100
 201 90.9 68.2 102.2





#63
Ethyl Benzene
Concen: 1.974 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

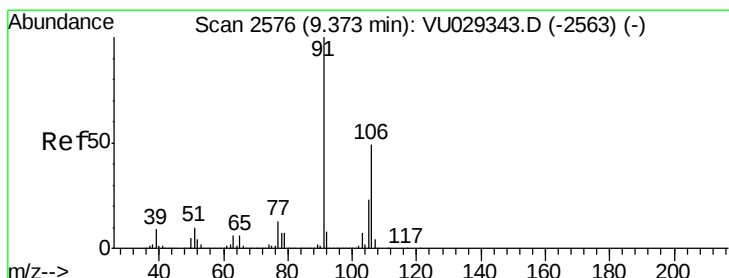
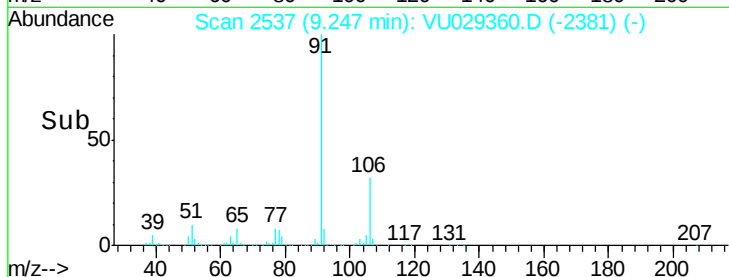
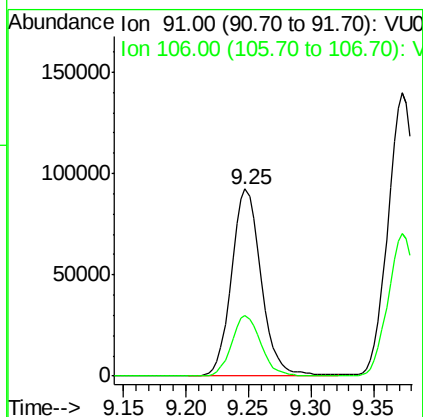
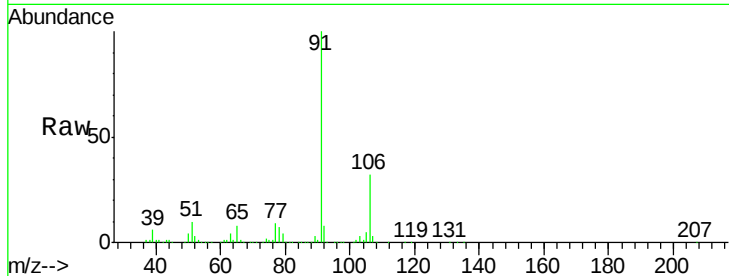
Instrument :
MSVOA_U
ClientSampleId :
VU0206WBS01

Tot Ion: 91 Resp: 152436
Ion Ratio Lower Upper
91 100
106 32.2 23.8 35.6

Manual Integrations
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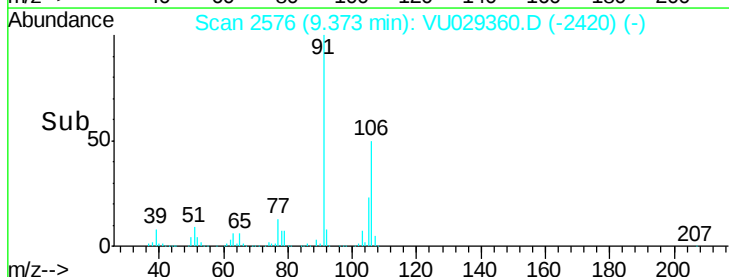
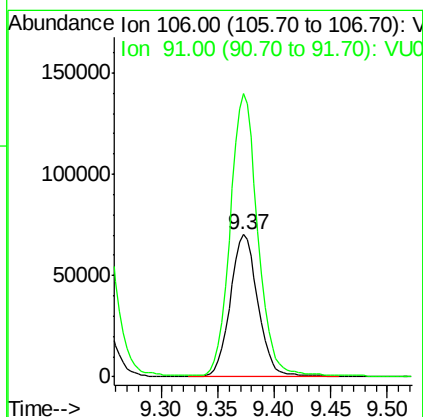
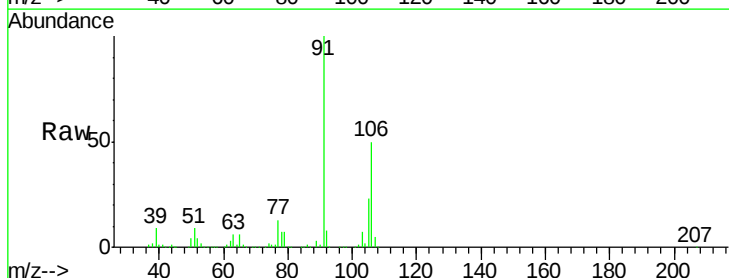
sam

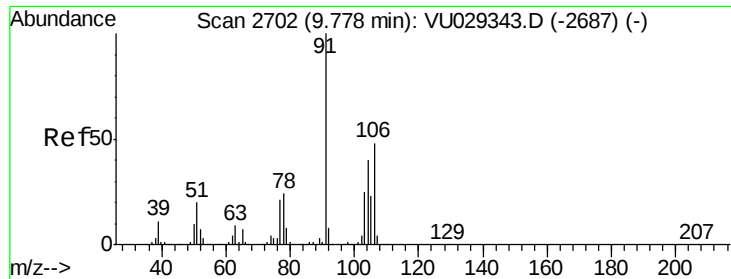
2/8/2019 2:27:35 PM



#64
m/p-Xylenes
Concen: 3.957 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

Tgt Ion: 106 Resp: 118738
Ion Ratio Lower Upper
106 100
91 197.8 174.6 261.8





#65
o-Xylene
Concen: 1.976 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

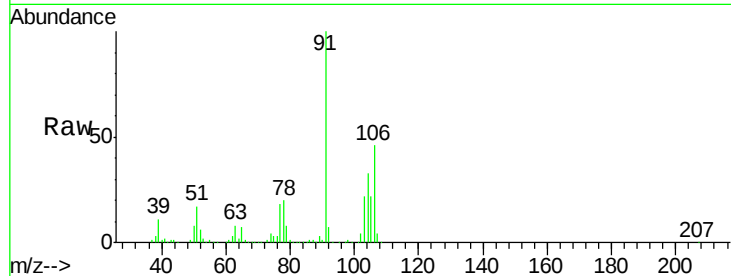
Instrument :
MSVOA_U
ClientSampleId :
VU0206WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		58213		
91	214.6	114.5	343.4		

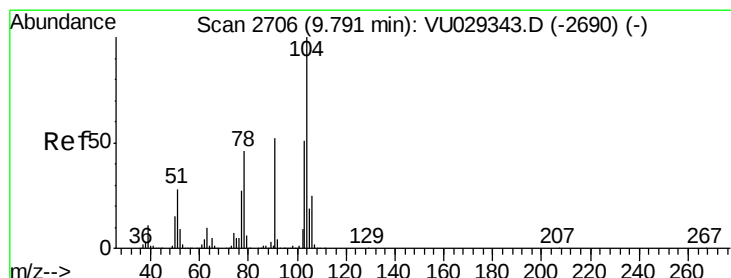
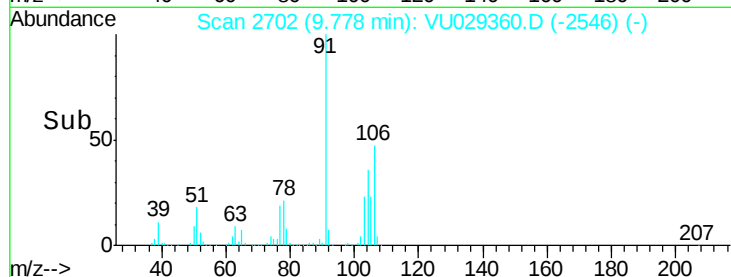
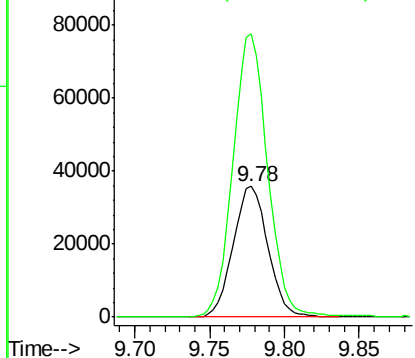
Manual Integrations
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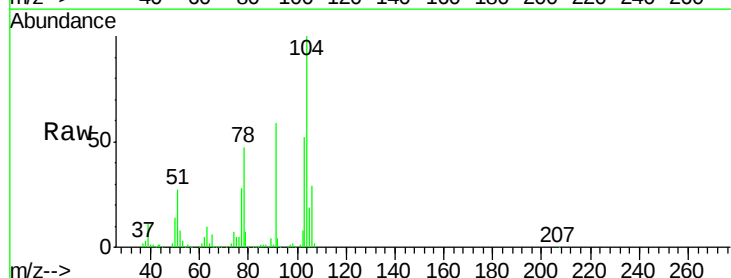


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

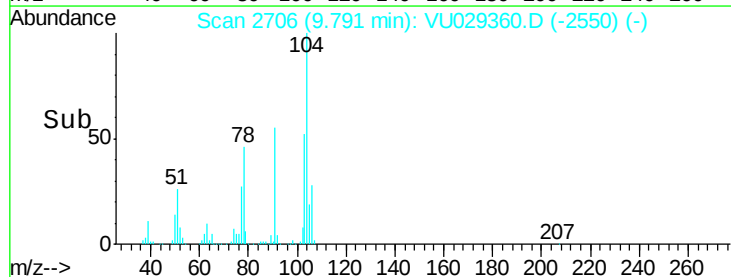
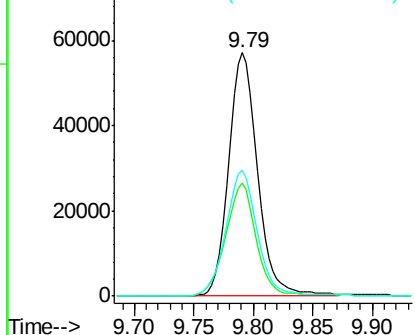


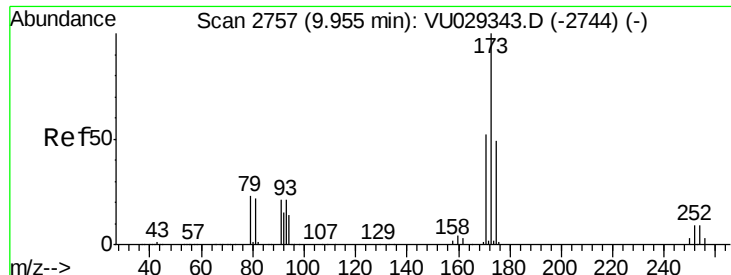
#66
Styrene
Concen: 1.967 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		96587		
78	49.3	46.5	69.7		
103	55.8	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: 2.025 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

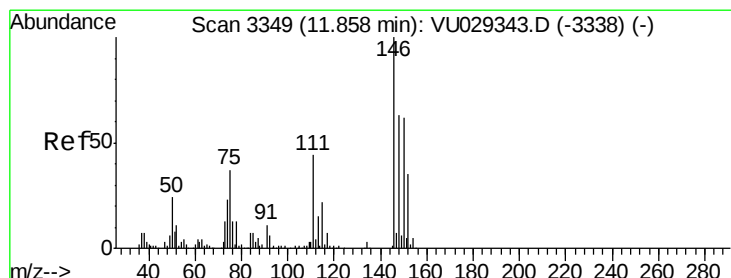
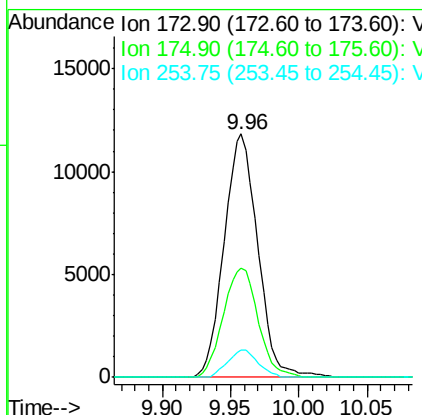
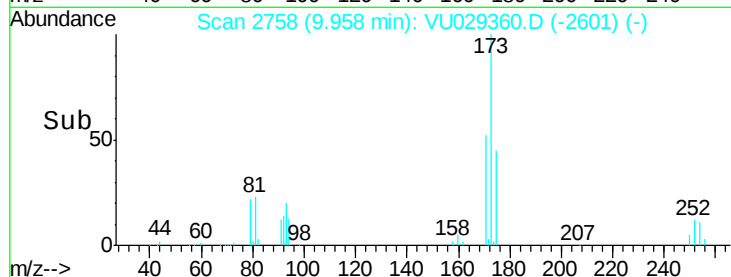
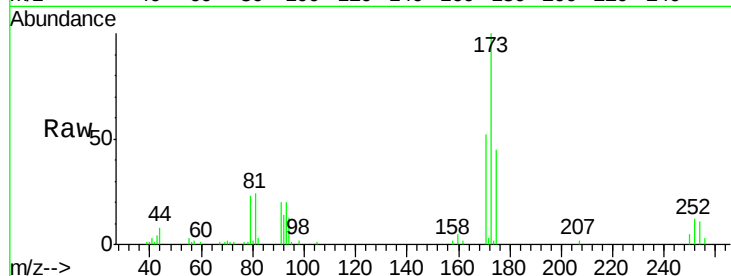
VU0206WBS01

Tot Ion:	173	Resp:	20269
Ion Ratio	Lower	Upper	
173	100		
175	46.3	38.9	58.3
254	10.0	7.4	11.2

Manual Integrations
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sam

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#68

1,2-Dichlorobenzene-d4

Concen: 2.025 ug/l

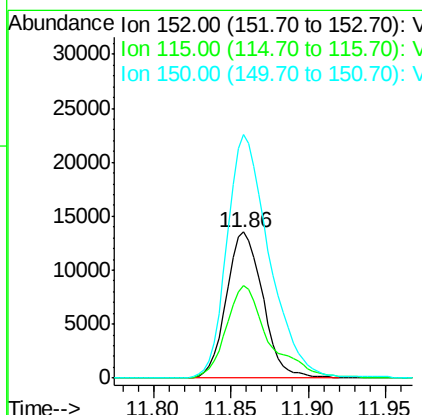
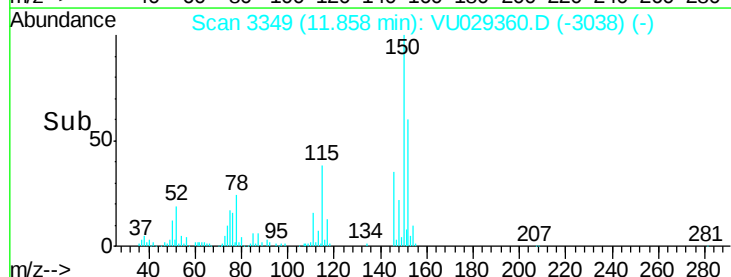
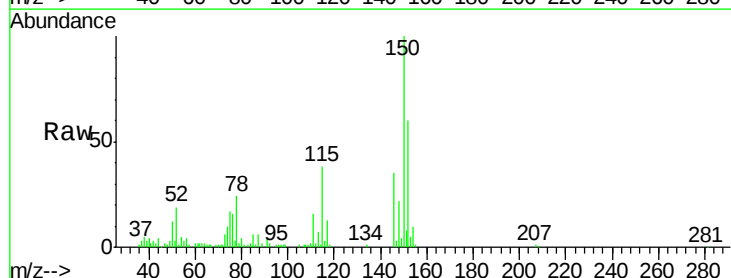
RT: 11.86 min Scan# 3349

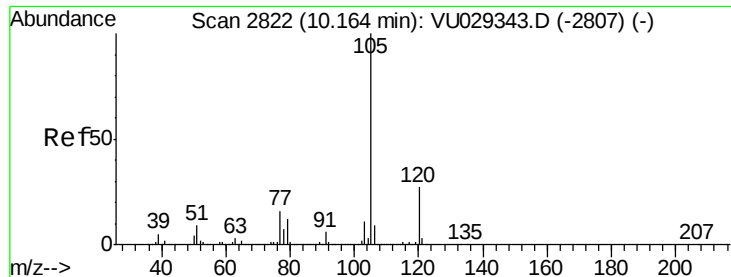
Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Tgt Ion:	152	Resp:	22062
Ion Ratio	Lower	Upper	
152	100		
115	73.9	0.0	133.4
150	193.7	0.0	670.8





#69

Isopropylbenzene

Concen: 1.984 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBS01

Tot Ion: 105 Resp: 156120

Ion Ratio Lower Upper

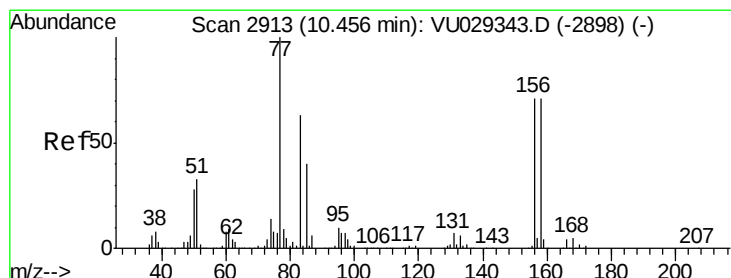
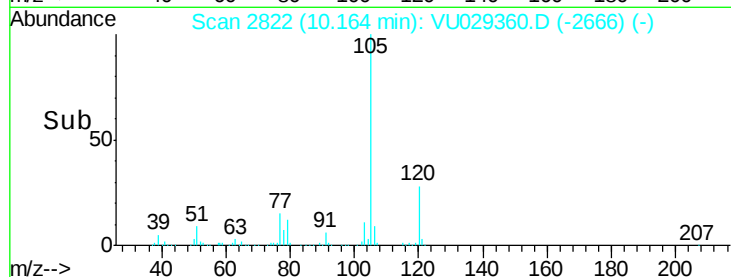
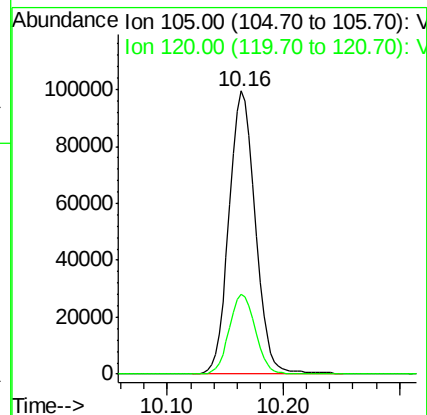
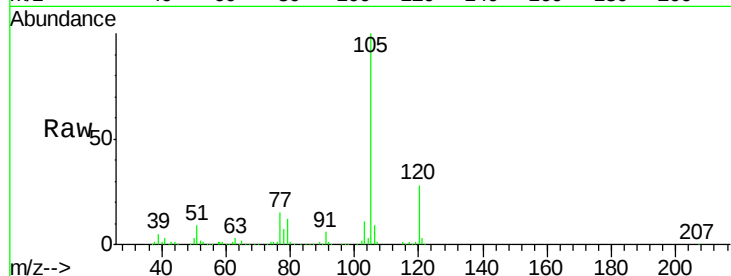
105 100

120 28.1 12.6 37.6

Manual Integrations
APPROVED

sam

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.990 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

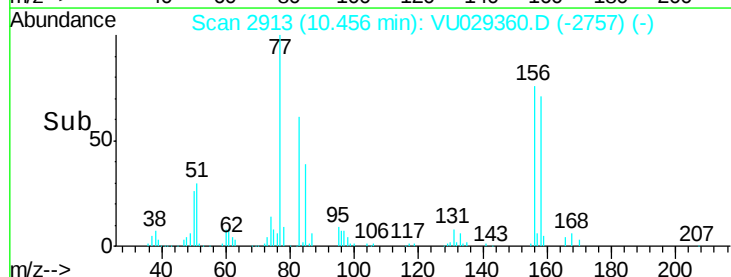
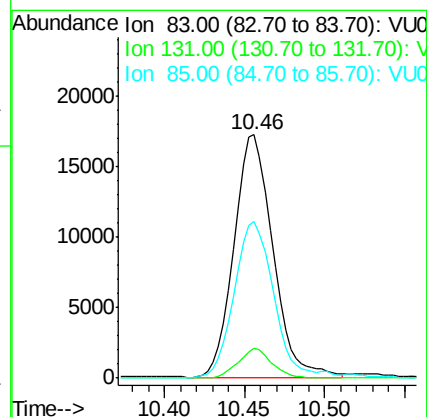
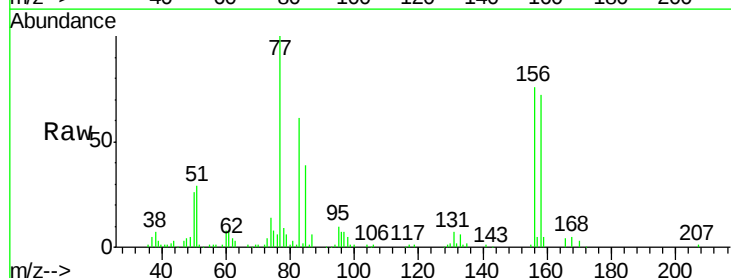
Tgt Ion: 83 Resp: 28870

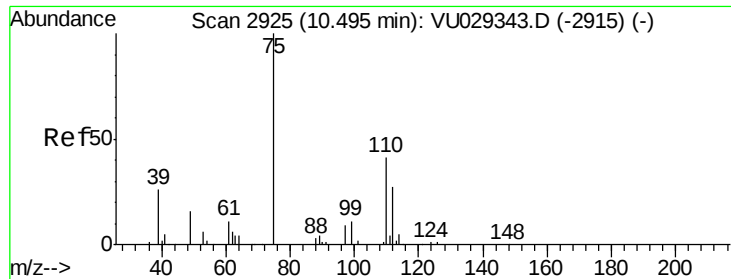
Ion Ratio Lower Upper

83 100

131 10.3 8.1 12.1

85 64.9 50.3 75.5





#71
 1,2,3-Trichloropropane
 Concen: 2.114 ug/l m
 RT: 10.49 min Scan# 2925
 Delta R.T. 0.00 min
 Lab File: VU029360.D
 Acq: 06 Feb 2019 13:46

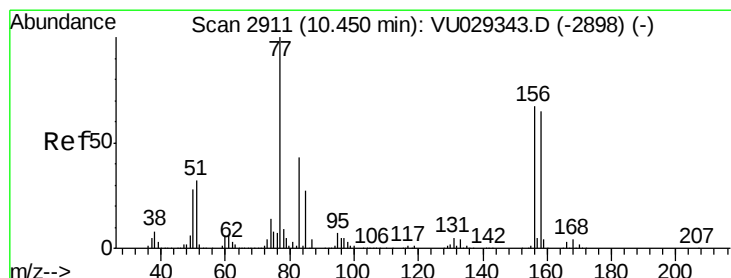
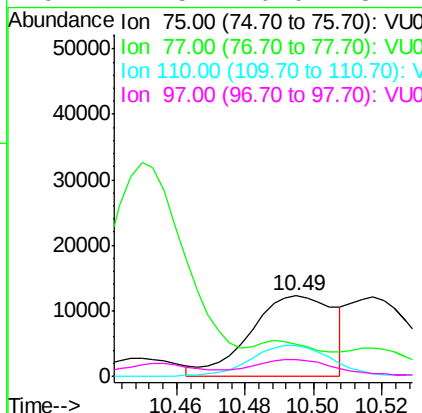
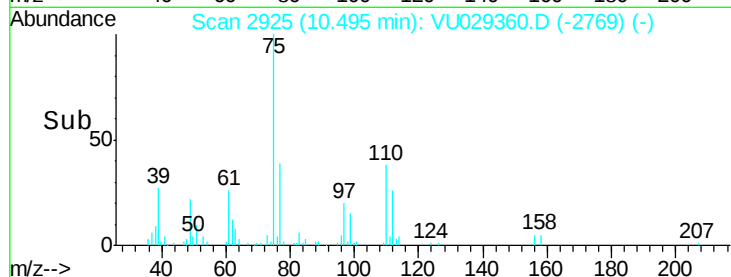
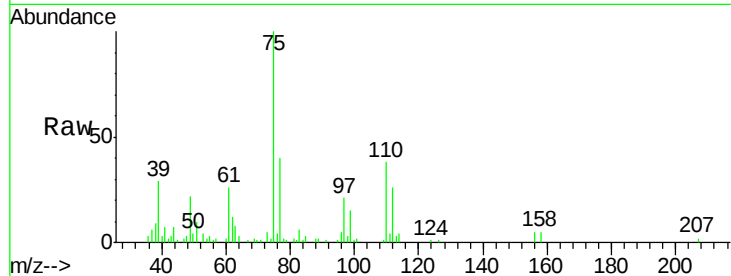
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0206WBS01

Tot Ion:	75	Resp:	21061
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	37.1	0.0	63.6
97	22.5	0.0	31.4

Manual Integrations
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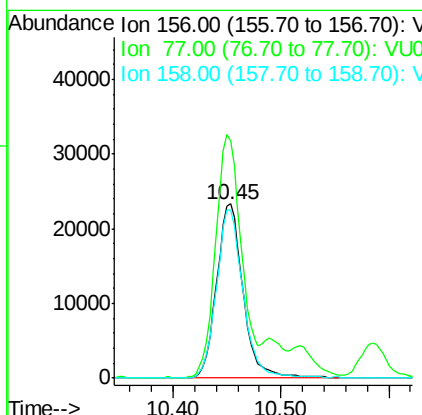
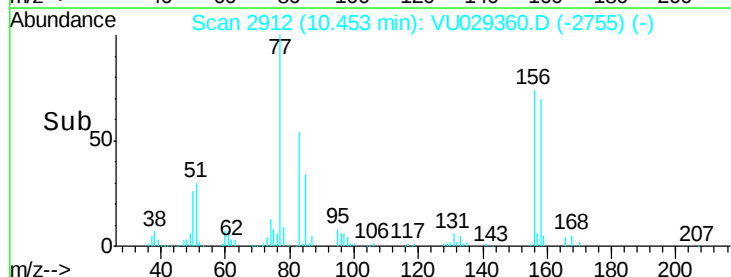
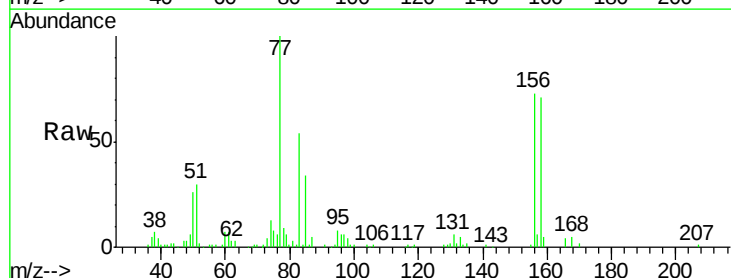
sam

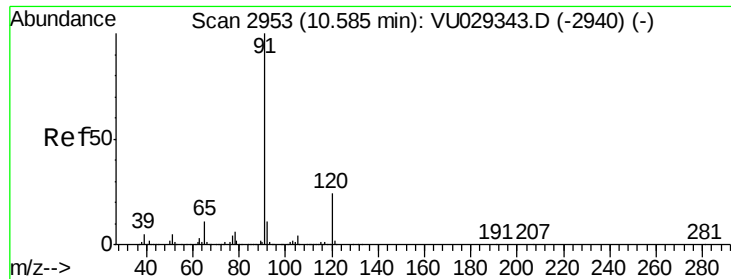
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#72
 Bromobenzene
 Concen: 2.084 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU029360.D
 Acq: 06 Feb 2019 13:46

Tgt Ion:	156	Resp:	39743
Ion	Ratio	Lower	Upper
156	100		
77	136.5	0.0	343.8
158	96.9	0.0	195.0





#73

n-propylbenzene

Concen: 2.017 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBS01

Tot Ion:120 Resp: 44201

Ion Ratio Lower Upper

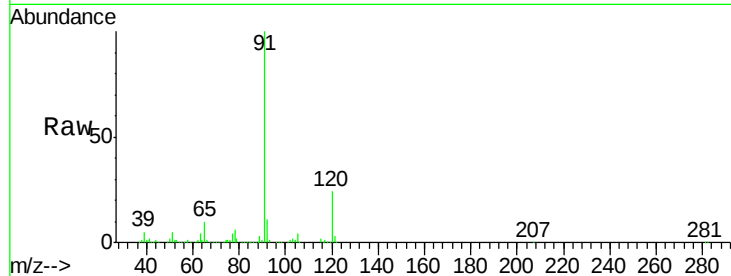
120 100

91 403.6 370.0 555.0

Manual Integrations
APPROVED

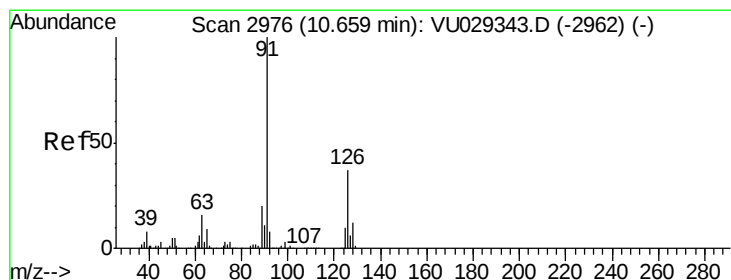
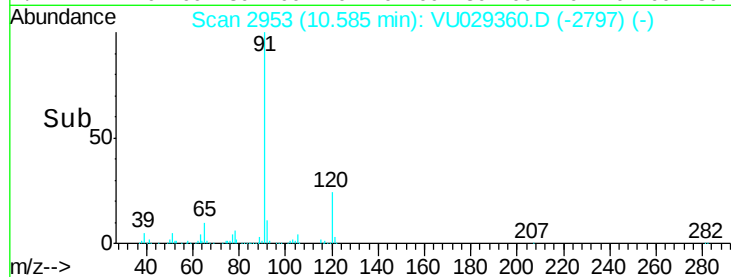
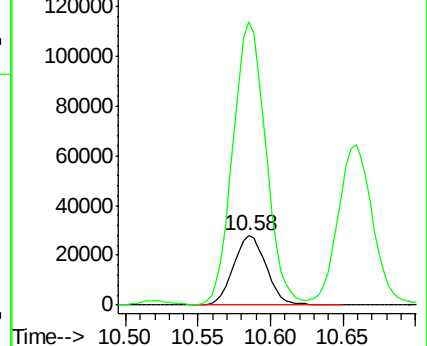
sam

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 2.073 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029360.D

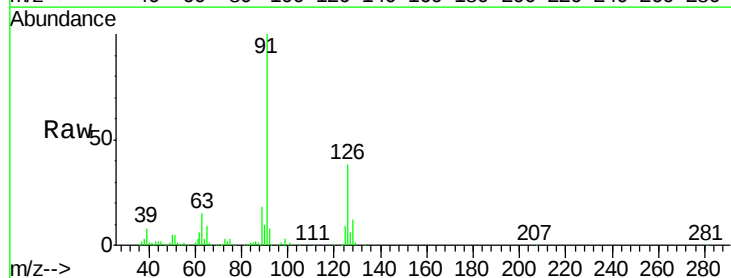
Acq: 06 Feb 2019 13:46

Tgt Ion:126 Resp: 38697

Ion Ratio Lower Upper

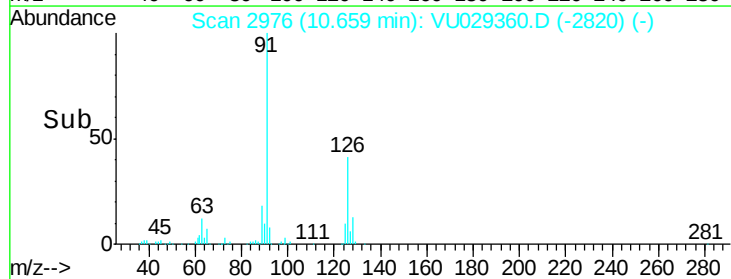
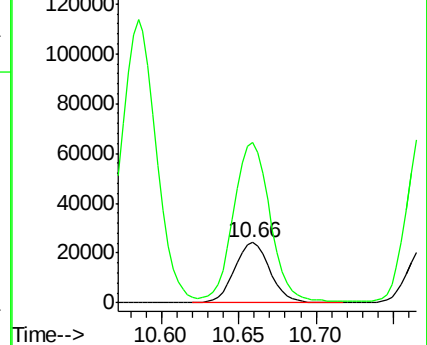
126 100

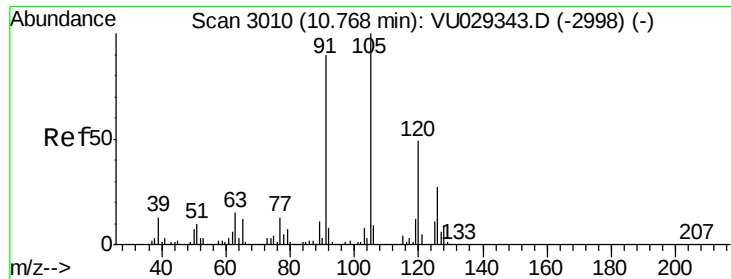
91 270.9 0.0 643.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.961 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBS01

Tot Ion:105 Resp: 133080

Ion Ratio Lower Upper

105 100

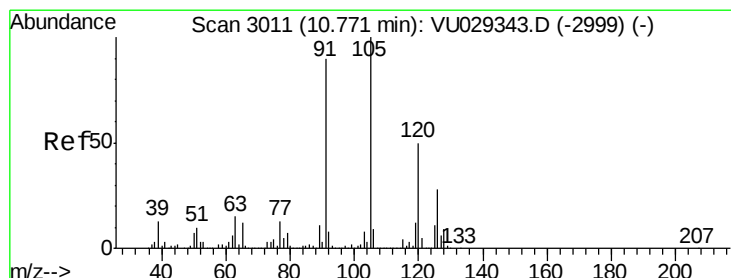
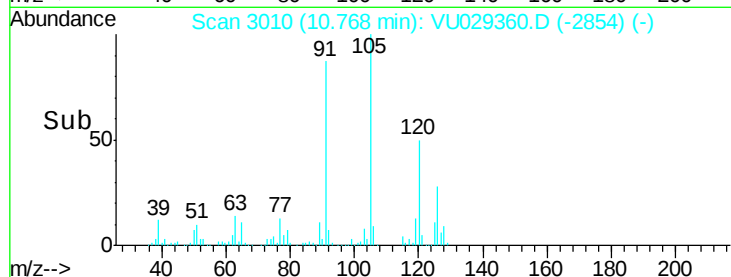
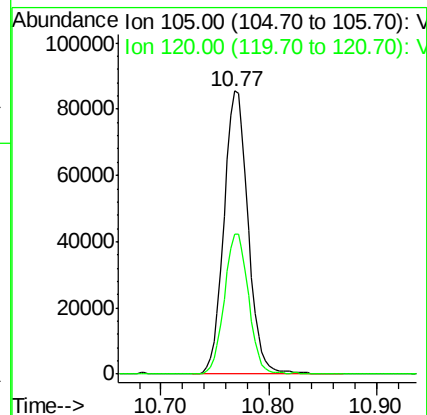
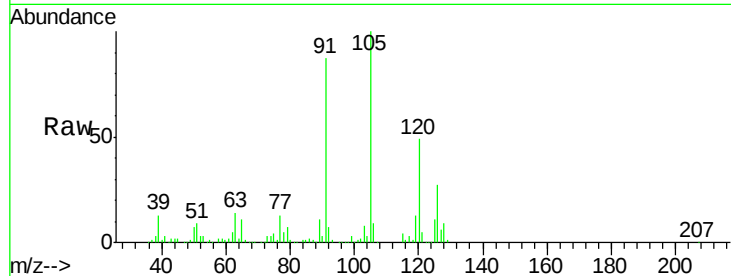
120 49.6 37.3 55.9

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#76

4-Chlorotoluene

Concen: 1.996 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029360.D

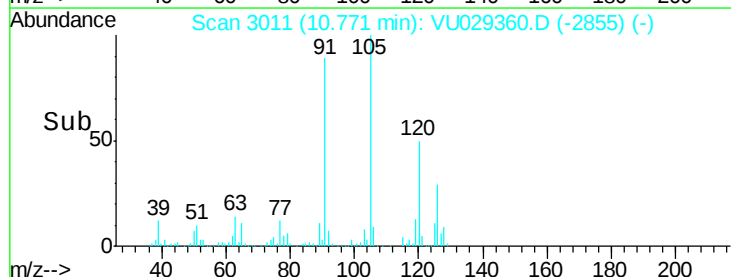
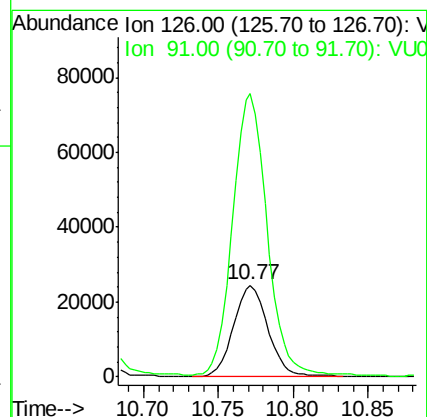
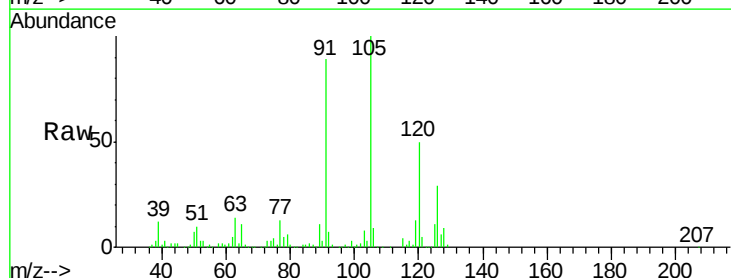
Acq: 06 Feb 2019 13:46

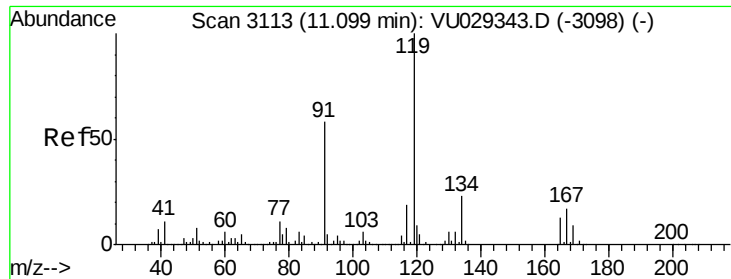
Tgt Ion:126 Resp: 38667

Ion Ratio Lower Upper

126 100

91 307.4 0.0 727.4





#77
 tert-Butylbenzene
 Concen: 1.999 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU029360.D
 Acq: 06 Feb 2019 13:46

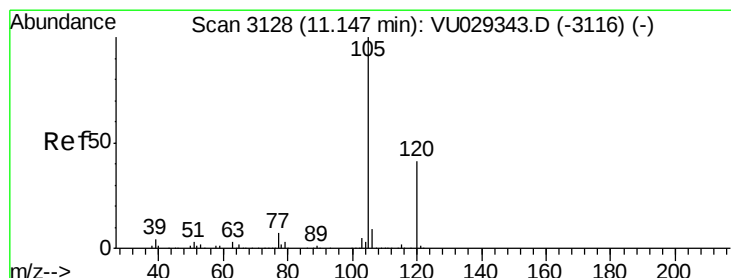
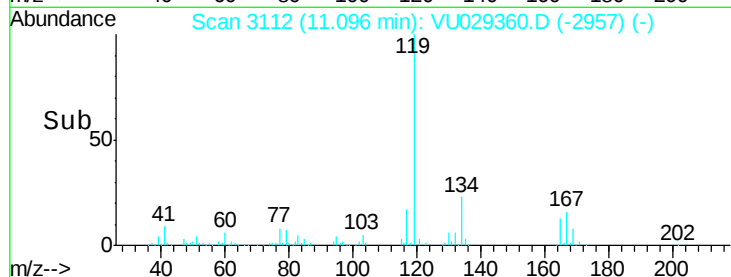
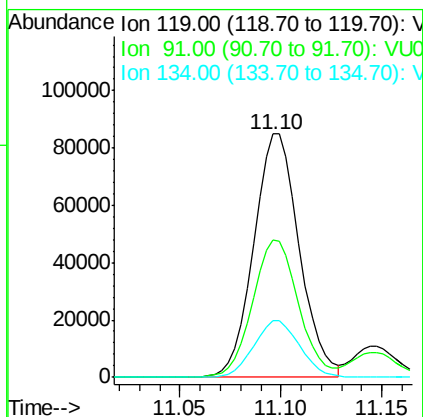
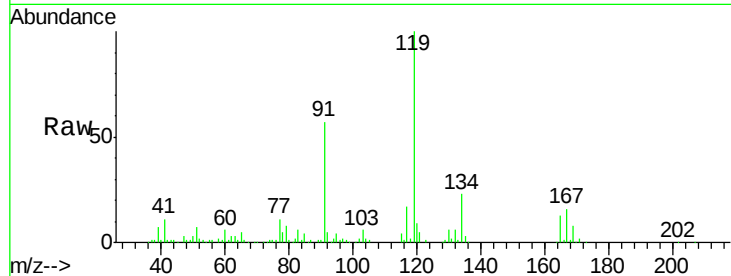
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0206WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.1	32.2	96.6
134	23.6	17.6	26.4

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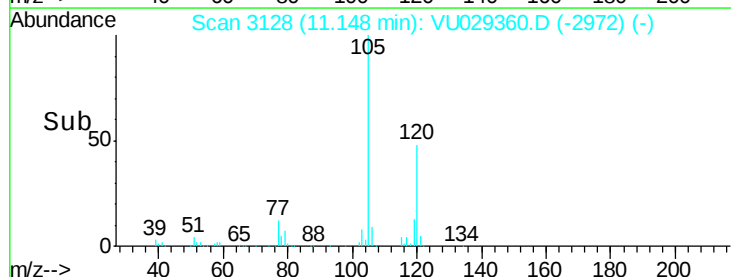
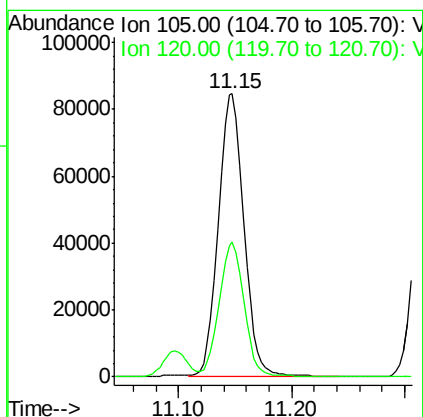
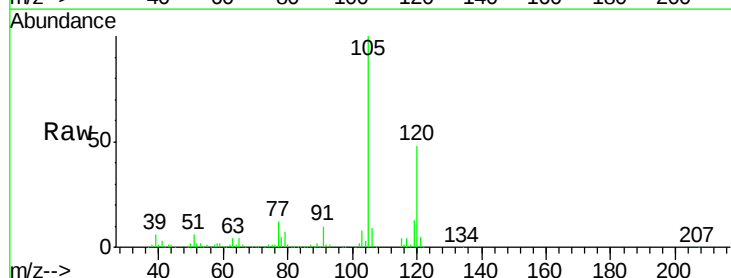
sam

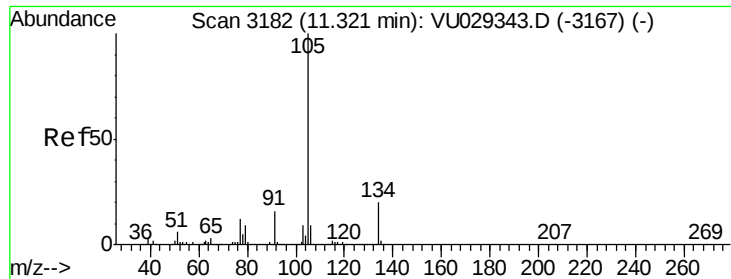
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#78
 1,2,4-Trimethylbenzene
 Concen: 1.948 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU029360.D
 Acq: 06 Feb 2019 13:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	21.4	64.3





#79

sec-Butylbenzene

Concen: 1.982 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBS01

Tot Ion: 105 Resp: 173959

Ion Ratio Lower Upper

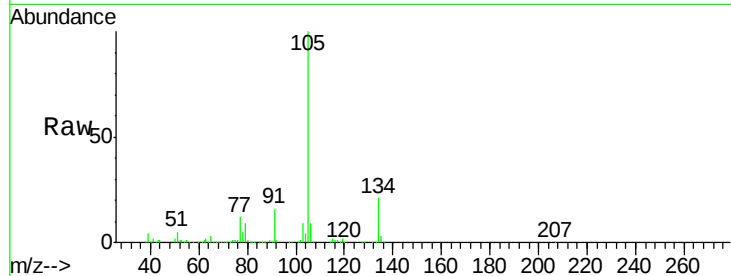
105 100

134 20.6 15.0 22.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

120000

100000

80000

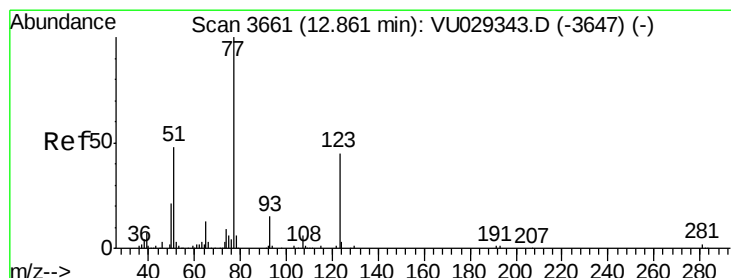
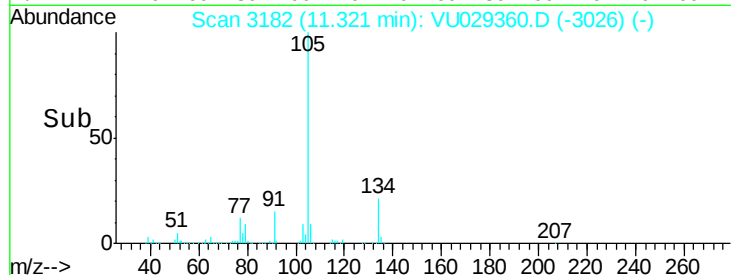
60000

40000

20000

0

Time-->



#80

Nitrobenzene

Concen: 6.678 ug/l

RT: 12.87 min Scan# 3664

Delta R.T. 0.01 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

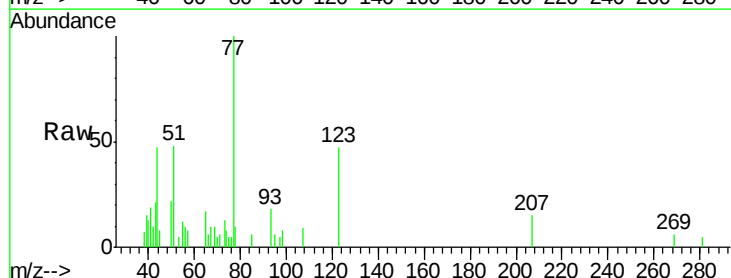
Tgt Ion: 77 Resp: 4317

Ion Ratio Lower Upper

77 100

123 39.0 17.5 61.9

65 7.5 10.8 13.8#



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

12.87

2500

2000

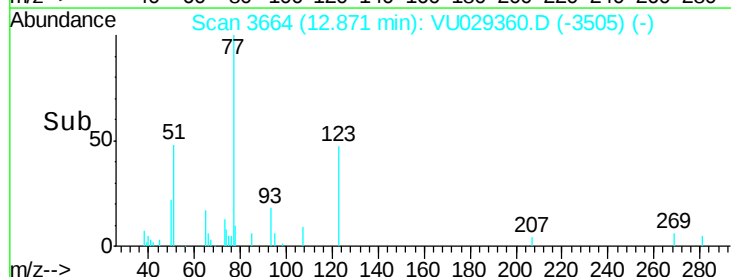
1500

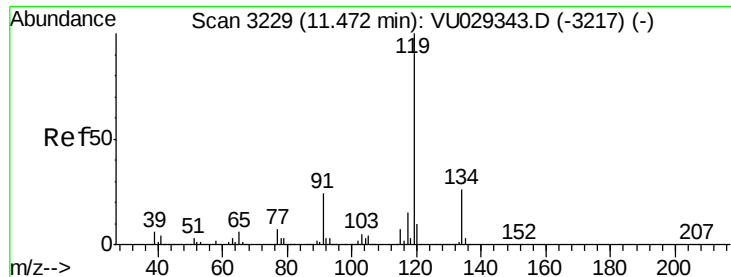
1000

500

0

Time-->





#81
p-Isopropyltoluene
Concen: 1.995 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

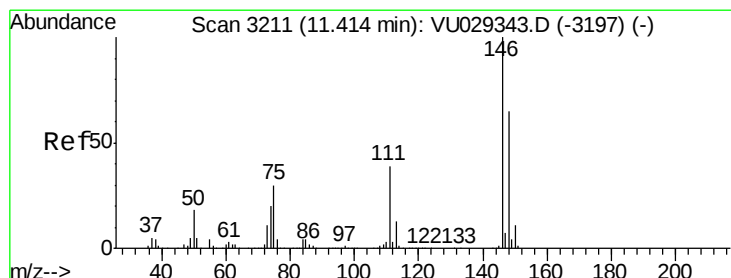
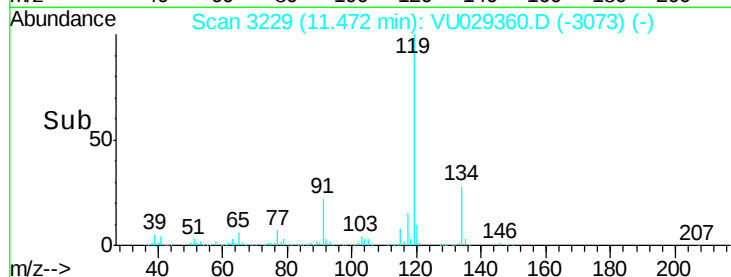
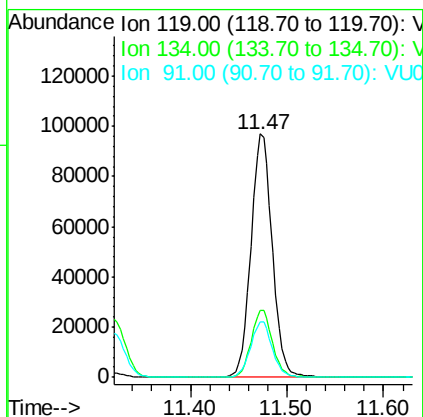
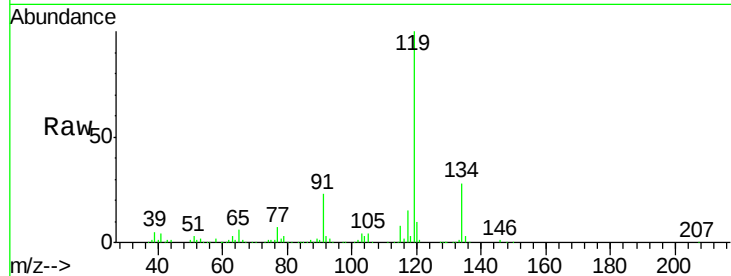
Instrument :
MSVOA_U
ClientSampleId :
VU0206WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.5	19.8	29.6
91	22.9	21.5	32.3

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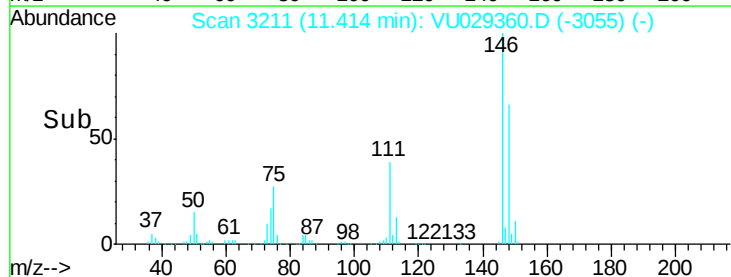
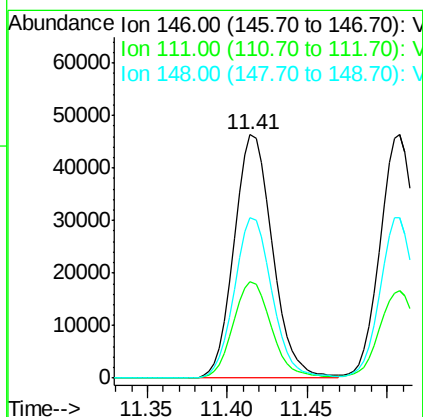
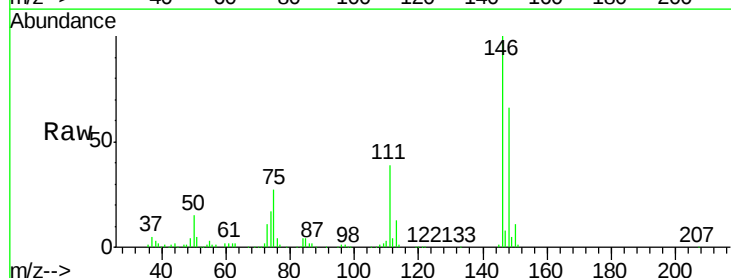
sam

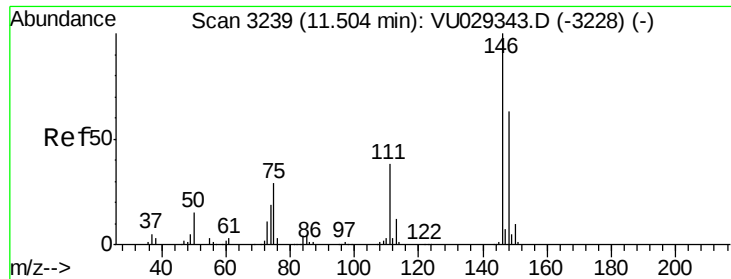
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#82
1,3-Dichlorobenzene
Concen: 2.029 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	34.1	51.1
148	65.0	52.3	78.5





#83

1,4-Dichlorobenzene

Concen: 2.027 ug/l

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBS01

Tot Ion:146 Resp: 75568

Ion Ratio Lower Upper

146 100

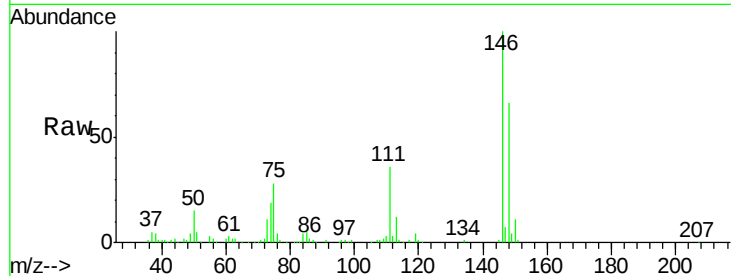
111 37.2 32.9 49.3

148 62.9 51.8 77.6

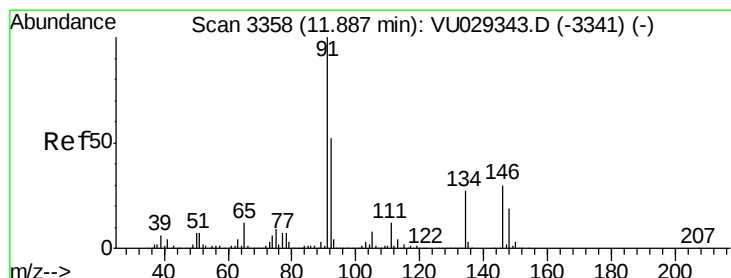
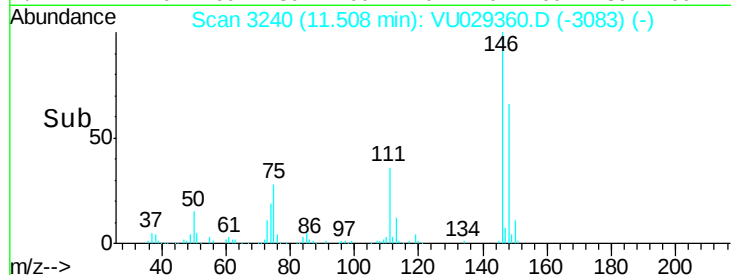
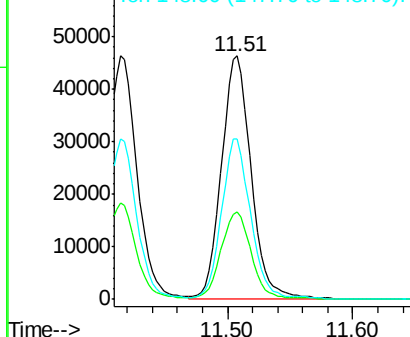
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#84

n-Butylbenzene

Concen: 1.948 ug/l

RT: 11.89 min Scan# 3358

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

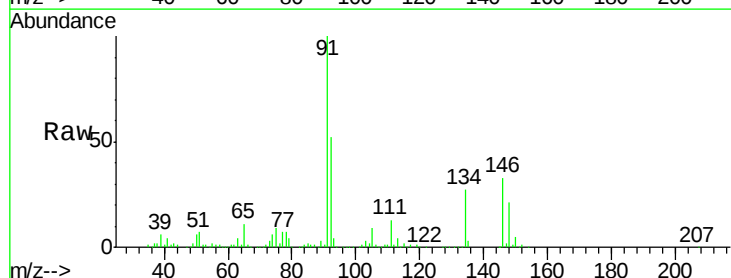
Tgt Ion: 91 Resp: 132984

Ion Ratio Lower Upper

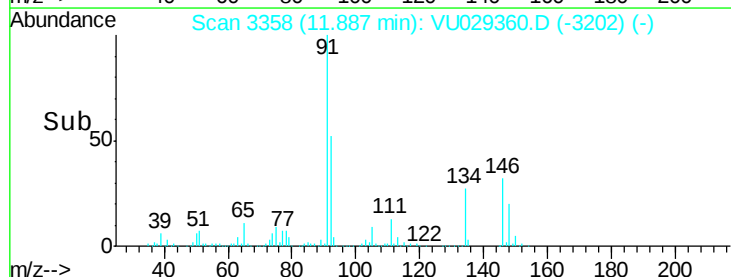
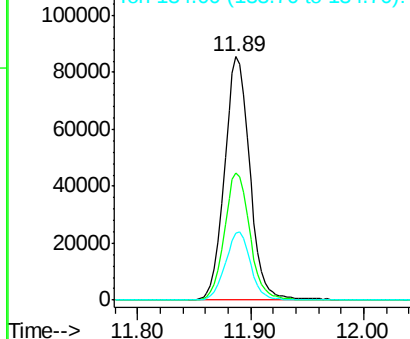
91 100

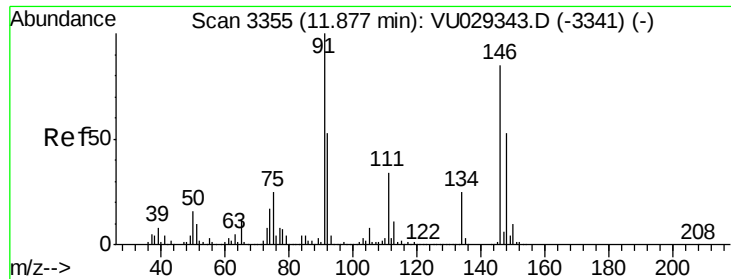
92 52.5 41.0 61.6

134 27.9 19.1 28.7



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





#85

1,2-Dichlorobenzene

Concen: 1.988 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

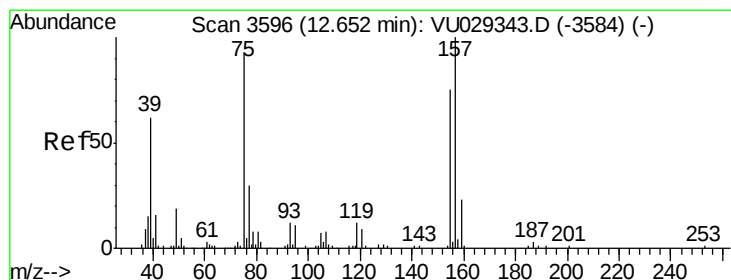
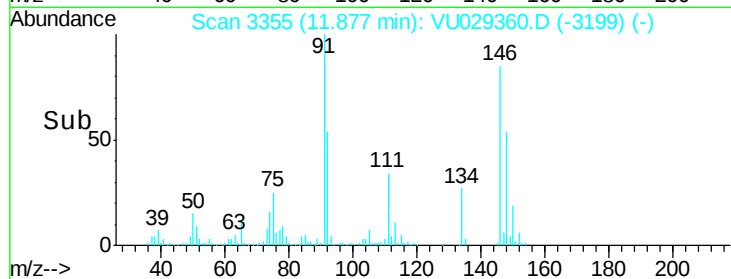
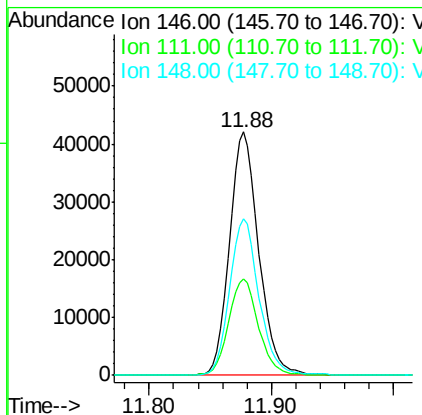
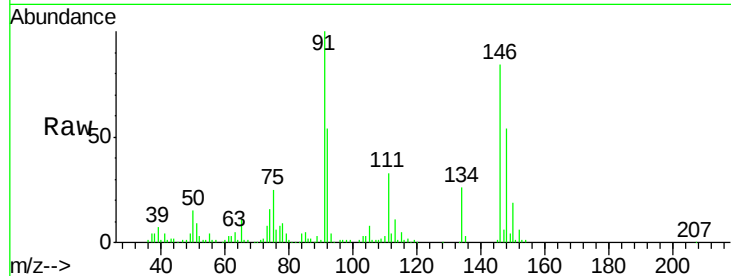
VU0206WBS01

Tot Ion:	146	Resp:	70329
Ion Ratio	Lower	Upper	
146	100		
111	40.8	21.9	65.8
148	64.6	31.8	95.3

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#86

1,2-Dibromo-3-Chloropropane

Concen: 1.634 ug/l

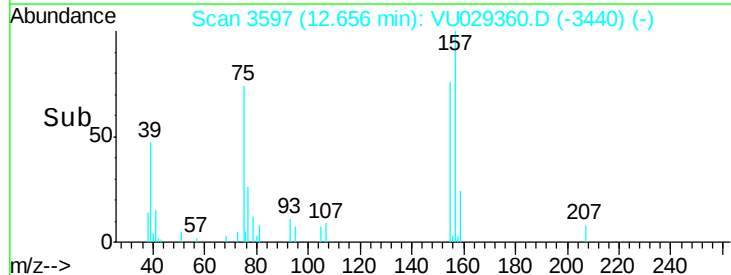
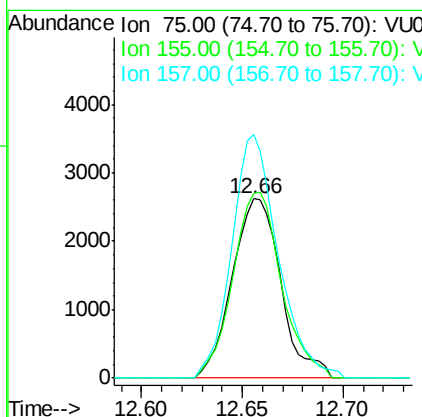
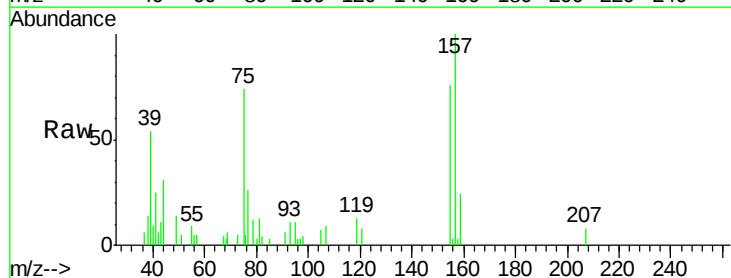
RT: 12.66 min Scan# 3597

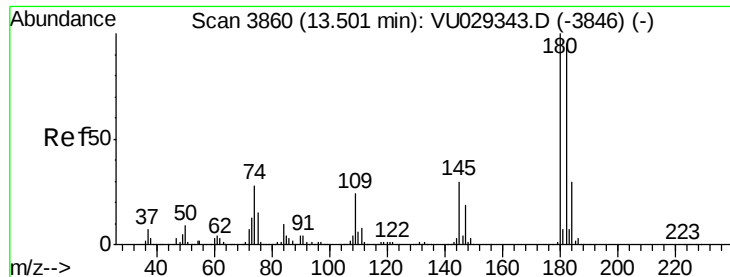
Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Tgt Ion:	75	Resp:	4424
Ion Ratio	Lower	Upper	
75	100		
155	103.4	53.8	80.8#
157	129.7	69.2	103.8#





#87
1,2,4-Trichlorobenzene
Concen: 2.052 ug/l
RT: 13.50 min Scan# 3861
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

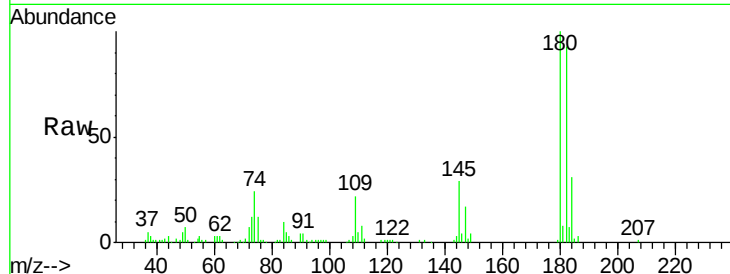
Instrument :
MSVOA_U
ClientSampleId :
VU0206WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	76.6	114.8
145	29.5	24.6	36.8

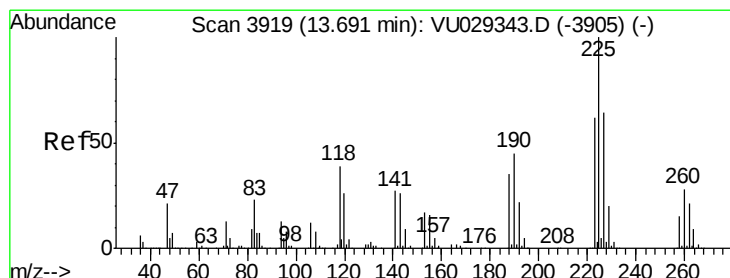
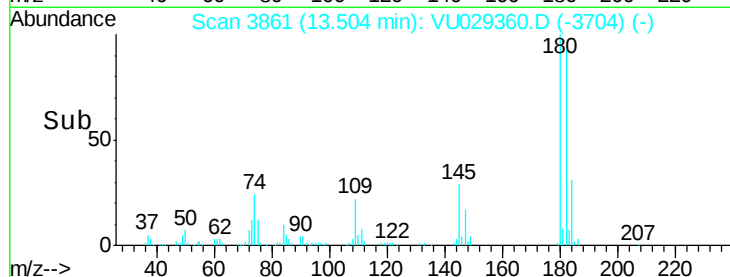
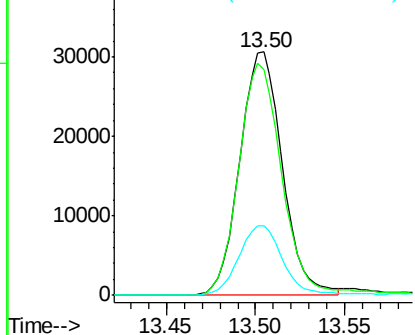
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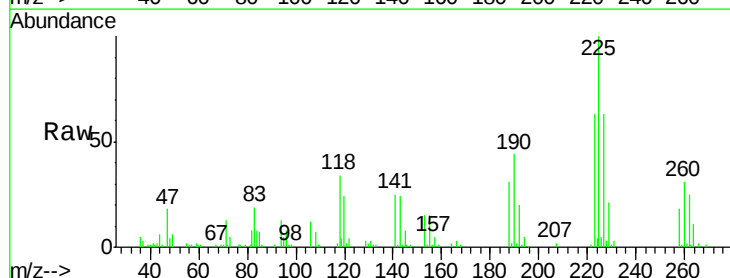


Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

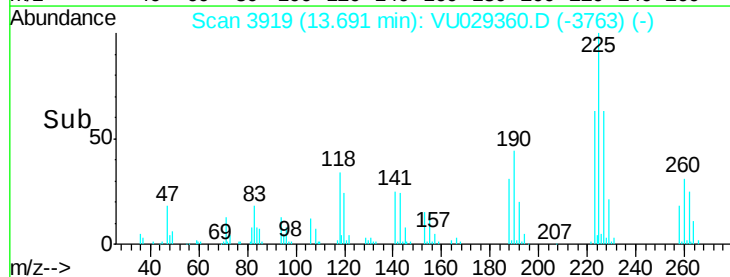
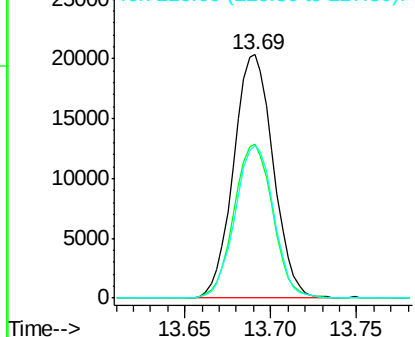


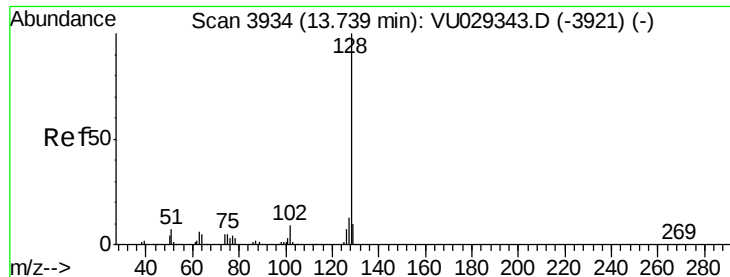
#88
Hexachlorobutadiene
Concen: 2.270 ug/l
RT: 13.69 min Scan# 3919
Delta R.T. 0.00 min
Lab File: VU029360.D
Acq: 06 Feb 2019 13:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.5	74.3
227	61.0	50.4	75.6



Abundance Ion 224.60 (224.30 to 225.30): V
Ion 222.60 (222.30 to 223.30): V
Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 1.975 ug/l

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Instrument :

MSVOA_U

ClientSampleId :

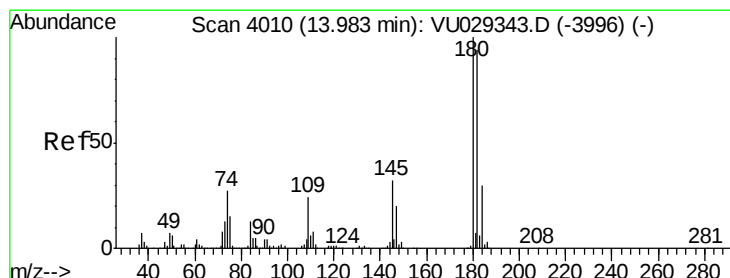
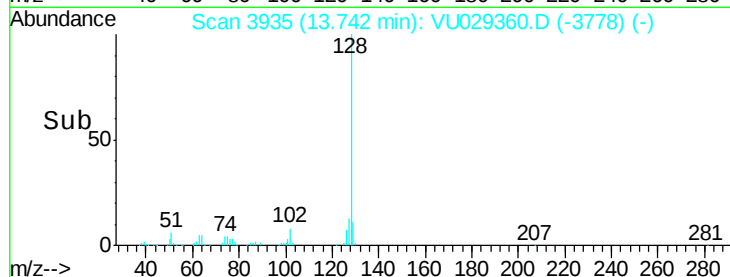
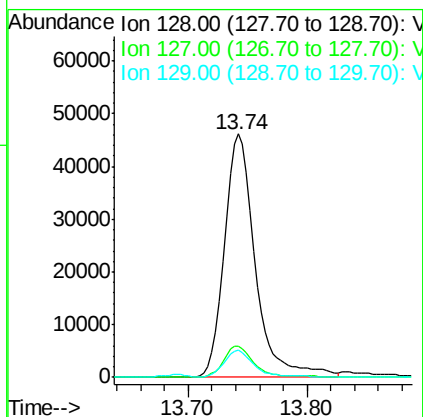
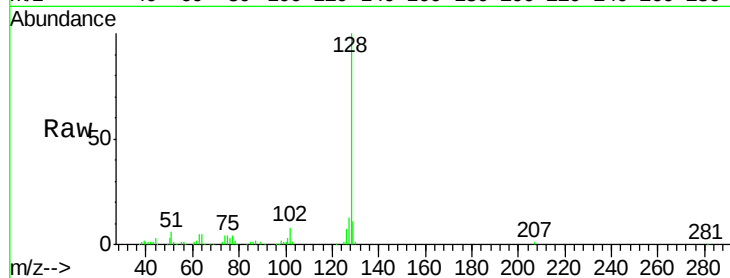
VU0206WBS01

Tot Ion:	128	Resp:	83251
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.7	16.1
129	9.9	8.2	12.4

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#90

1,2,3-Trichlorobenzene

Concen: 2.055 ug/l

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU029360.D

Acq: 06 Feb 2019 13:46

Tgt Ion:	180	Resp:	46667
Ion	Ratio	Lower	Upper
180	100		
182	94.9	78.0	117.0
145	30.4	26.6	39.8

