

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U020519\
 Data File : VU029344.D
 Acq On : 05 Feb 2019 13:04
 Operator : JC/SP
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC015

Manual Integrations
 APPROVED

sam
 2/8/2019 2:26:28 PM

Quant Time: Feb 08 10:42:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:20:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	57782	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	23374	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	24354	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	321957	14.930	ug/l	98
3) Chloromethane	1.33	50	291539	14.795	ug/l	98
4) Vinyl Chloride	1.40	62	344077	14.895	ug/l	98
5) Bromomethane	1.62	94	188861	14.698	ug/l	96
6) Chloroethane	1.69	64	200301	14.841	ug/l	99
7) Trichlorofluoromethane	1.88	101	485050	15.036	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	256106	15.035	ug/l	91
9) 1,1-Dichloroethene	2.28	96	251776	15.104	ug/l	75
10) Iodomethane	2.41	142	378610	17.705	ug/l #	78
11) Allyl Chloride	2.59	41	414894	14.843	ug/l	91
12) Acrylonitrile	2.94	53	107785	28.850	ug/l	98
13) Acetone	2.32	43	255982	71.436	ug/l #	85
14) Carbon Disulfide	2.47	76	878266	14.923	ug/l	100
15) Methylene Chloride	2.70	84	275454	13.628	ug/l #	81
16) trans-1,2-Dichloroethene	2.98	96	278011	14.929	ug/l	81
17) 1,1-Dichloroethane	3.44	63	430792	14.584	ug/l	97
18) 2-Butanone	4.27	43	322831	80.222	ug/l	98
19) Cyclohexane	4.99	56	387773m	14.892	ug/l	
20) Methylcyclohexane	6.41	83	437275	15.201	ug/l	88
21) 2,2-Dichloropropane	4.22	77	403242	14.748	ug/l	92
22) cis-1,2-Dichloroethene	4.22	96	266647	15.185	ug/l	82
23) Diethyl Ether	2.10	59	198942	14.863	ug/l	90
24) tert-Butyl Alcohol	2.84	59	200242	143.951	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	694795	14.803	ug/l #	88
26) Bromochloromethane	4.54	128	116786	15.057	ug/l	78
27) Chloroform	4.67	83	435148	15.148	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	407590	15.308	ug/l	96
29) 1,1-Dichloropropene	5.13	75	348588	15.081	ug/l	93
30) Carbon Tetrachloride	5.13	117	371790	15.424	ug/l	100
31) Isopropyl Ether	3.58	45	679411	15.243	ug/l	90
32) Ethyl-t-butyl ether	4.07	59	667166	14.937	ug/l	92
33) Tert-Amyl methyl ether	5.58	73	619675	15.343	ug/l	99
34) Propionitrile	4.33	54	85012	83.763	ug/l #	91
35) Benzene	5.39	78	978196	15.304	ug/l	98
36) 1,2-Dichloroethane	5.40	62	296203	15.321	ug/l #	93
37) Trichloroethene	6.18	130	283277	15.444	ug/l	89
38) 1,2-Dichloropropane	6.43	63	253337	15.236	ug/l	99
39) Methacrylonitrile	4.55	41	81817	15.104	ug/l	94
40) Methyl acrylate	4.42	55	130560	15.966	ug/l #	93
41) Tetrahydrofuran	4.65	42	80616	28.473	ug/l #	88
42) 1-Chlorobutane	5.06	56	478810	15.461	ug/l	89

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Manual Integrations
 APPROVED

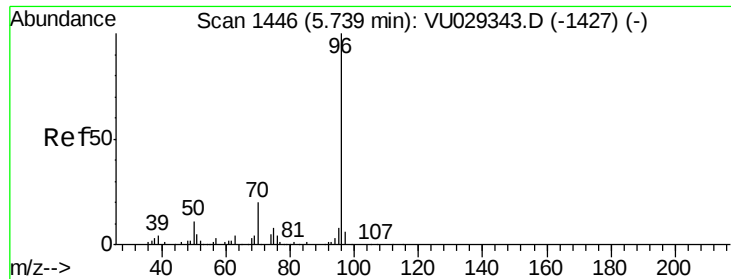
sam
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Quant Time: Feb 08 10:42:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.56	93	133141	15.025	ug/l	94
44) Bromodichloromethane	6.75	83	344179	15.244	ug/l	97
45) 4-Methyl-2-Pentanone	7.46	43	808155	77.802	ug/l #	93
46) t-1,4-Dichloro-2-butene	10.51	75	160574m	31.849	ug/l	
47) Methyl methacrylate	6.62	69	247655	31.766	ug/l	82
48) Ethyl methacrylate	8.02	69	263729	15.768	ug/l	86
49) Toluene	7.63	92	635275	15.531	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	343477	15.519	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	406456	15.459	ug/l	91
52) 1,1,2-Trichloroethane	8.06	97	183216	15.618	ug/l	99
53) 1,3-Dichloropropane	8.24	76	317504	15.407	ug/l	98
54) 2-Hexanone	8.36	43	585606	80.429	ug/l	90
55) Dibromochloromethane	8.48	129	254962	15.291	ug/l	98
56) 1,2-Dibromoethane	8.59	107	178936	14.867	ug/l	99
58) Tetrachloroethene	8.22	164	263219	15.422	ug/l	96
59) Chlorobenzene	9.12	112	717129	15.563	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	264480	15.534	ug/l	97
61) Pentachloroethane	11.10	117	210414	15.945	ug/l	88
62) Hexachloroethane	12.14	117	237215	16.471	ug/l	100
63) Ethyl Benzene	9.25	91	1251900	15.645	ug/l	96
64) m/p-Xylenes	9.37	106	989748	31.828	ug/l	91
65) o-Xylene	9.78	106	488607	16.007	ug/l	90
66) Styrene	9.79	104	828684	16.286	ug/l	95
67) Bromoform	9.95	173	166177	16.021	ug/l	99
69) Isopropylbenzene	10.16	105	1300972	15.953	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.46	83	237282	15.782	ug/l	98
71) 1,2,3-Trichloropropane	10.50	75	175460m	16.677	ug/l	
72) Bromobenzene	10.45	156	321046	16.242	ug/l	88
73) n-propylbenzene	10.59	120	366748	16.146	ug/l	84
74) 2-Chlorotoluene	10.66	126	308897	15.970	ug/l	86
75) 1,3,5-Trimethylbenzene	10.77	105	1139136	16.202	ug/l	97
76) 4-Chlorotoluene	10.77	126	322776	16.079	ug/l	87
77) tert-Butylbenzene	11.10	119	1121163	16.133	ug/l	94
78) 1,2,4-Trimethylbenzene	11.15	105	1156786	16.251	ug/l	96
79) sec-Butylbenzene	11.32	105	1466545	16.128	ug/l	96
80) Nitrobenzene	12.86	77	64815	97.618	ug/l #	92
81) p-Isopropyltoluene	11.47	119	1264983	16.412	ug/l	95
82) 1,3-Dichlorobenzene	11.41	146	634136	16.351	ug/l	97
83) 1,4-Dichlorobenzene	11.50	146	630532	16.325	ug/l	98
84) n-Butylbenzene	11.89	91	1187547	16.789	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	586226	15.988	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.65	75	44270	15.777	ug/l #	76
87) 1,2,4-Trichlorobenzene	13.50	180	430994	16.734	ug/l	99
88) Hexachlorobutadiene	13.69	225	238587	15.996	ug/l	98
89) Naphthalene	13.74	128	753646	17.254	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	384342	16.329	ug/l	98

(#) = 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: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

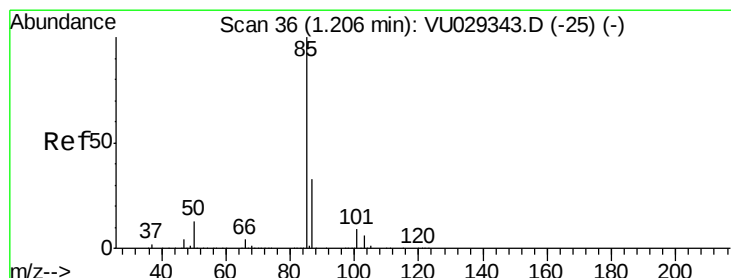
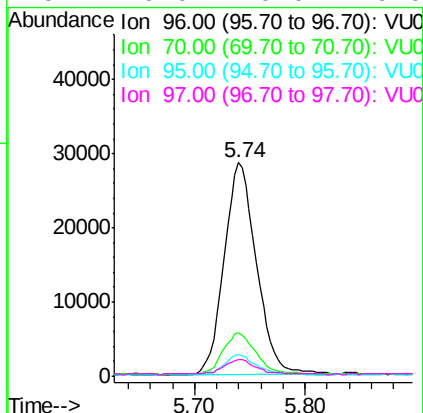
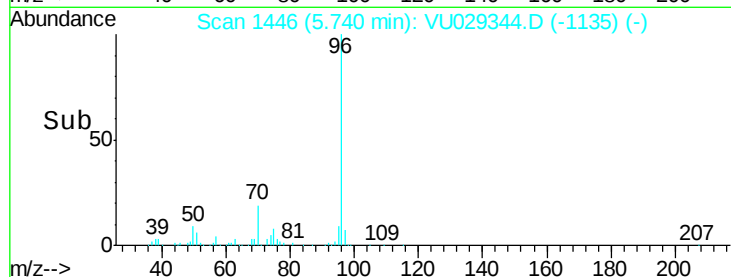
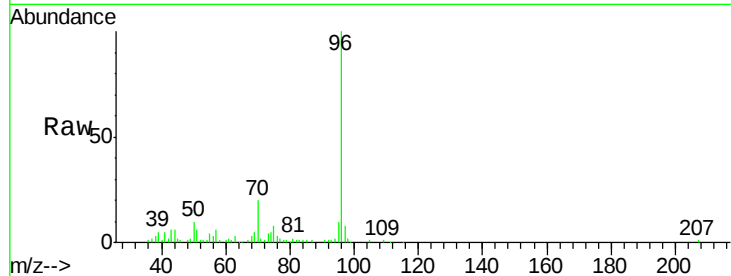
ClientSampleId :

VSTDIC015

Tot Ion:	96	Resp:	57782
Ion	Ratio	Lower	Upper
96	100		
70	18.5	16.2	24.2
95	0.0	7.4	11.2#
97	0.0	0.0	0.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 14.930 ug/l

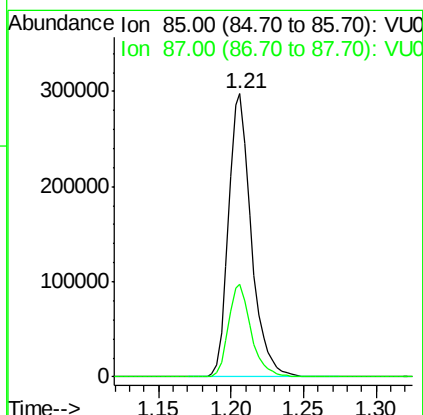
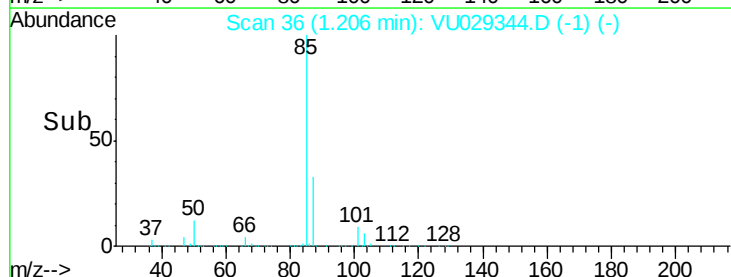
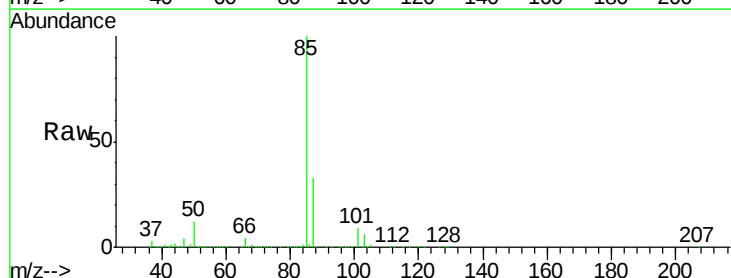
RT: 1.21 min Scan# 36

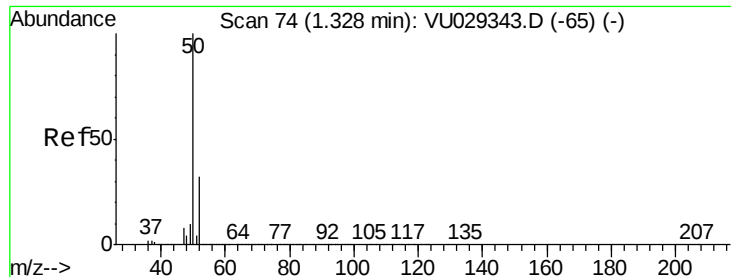
Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Tgt Ion:	85	Resp:	321957
Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.9	47.6





#3

Chloromethane

Concen: 14.795 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 50 Resp: 291539

Ion Ratio Lower Upper

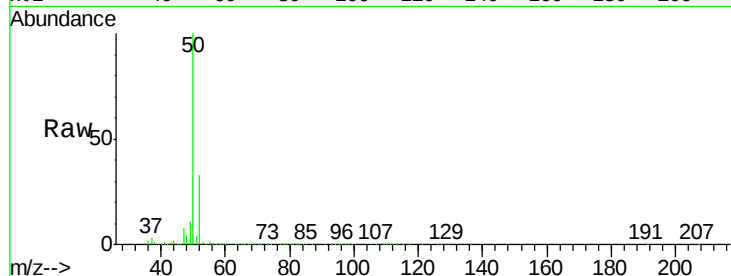
50 100

52 32.8 27.3 40.9

Manual Integrations
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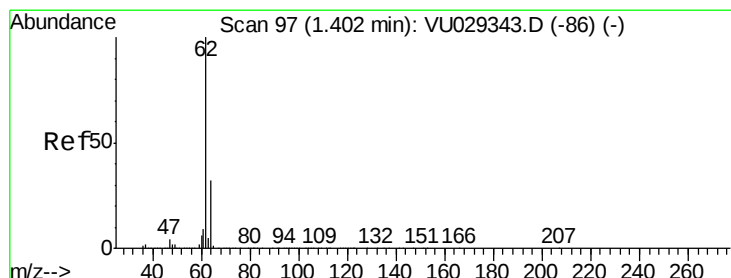
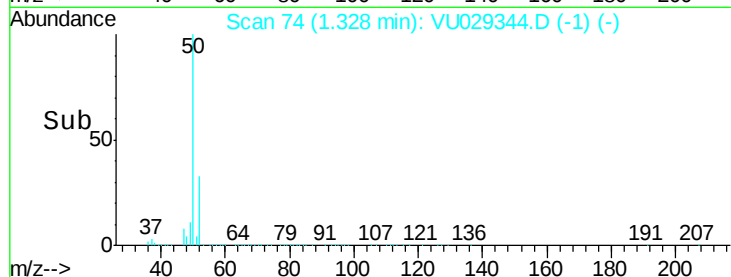
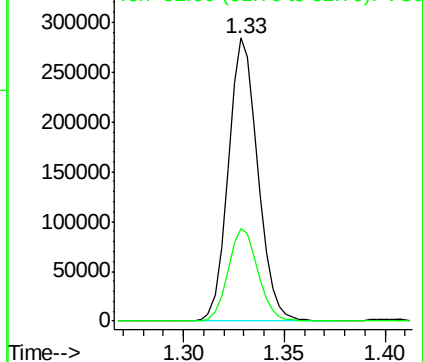
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 14.895 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029344.D

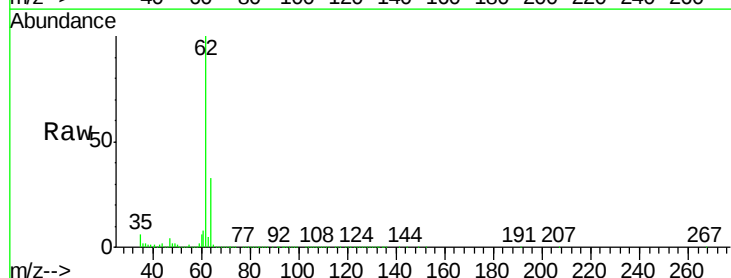
Acq: 05 Feb 2019 13:04

Tgt Ion: 62 Resp: 344077

Ion Ratio Lower Upper

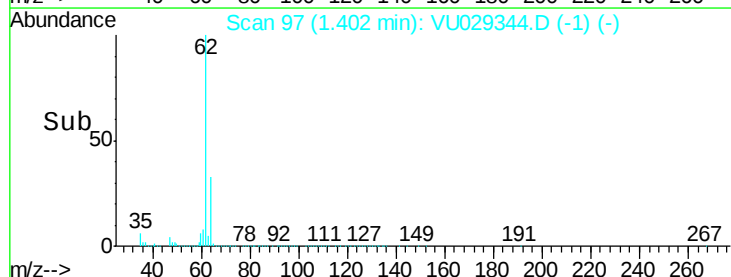
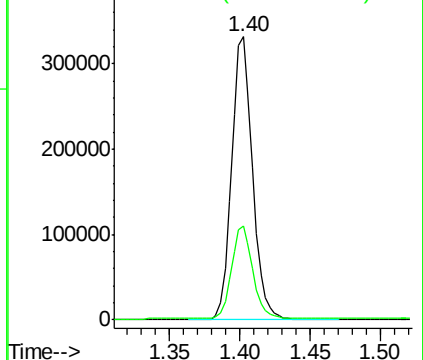
62 100

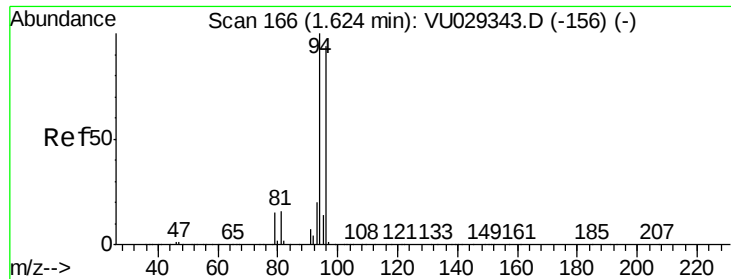
64 32.5 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 14.698 ug/l

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 94 Resp: 188861

Ion Ratio Lower Upper

94 100

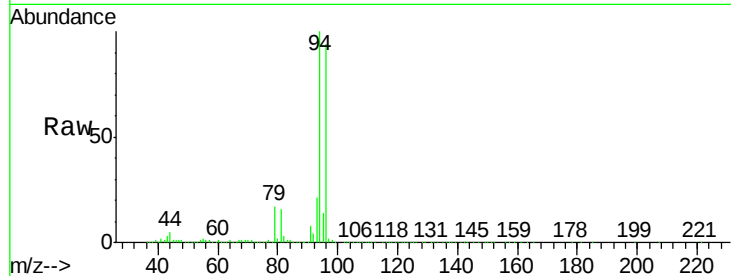
96 93.8 71.7 107.5

Manual Integrations

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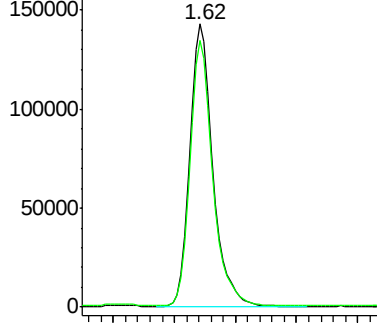
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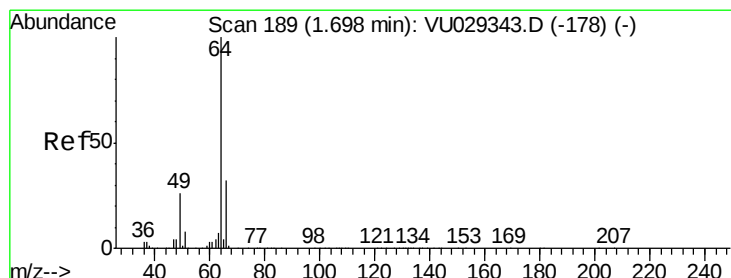
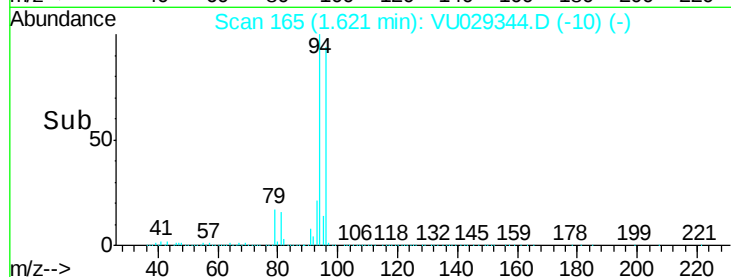


Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



Time-->



#6

Chloroethane

Concen: 14.841 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU029344.D

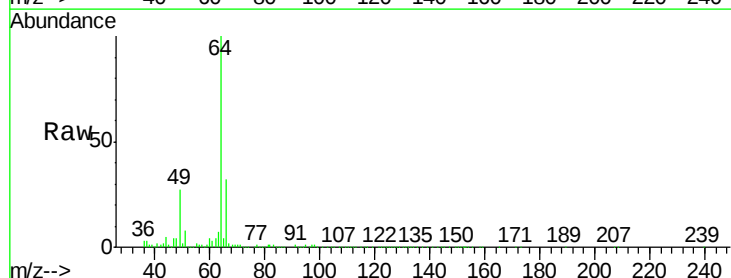
Acq: 05 Feb 2019 13:04

Tgt Ion: 64 Resp: 200301

Ion Ratio Lower Upper

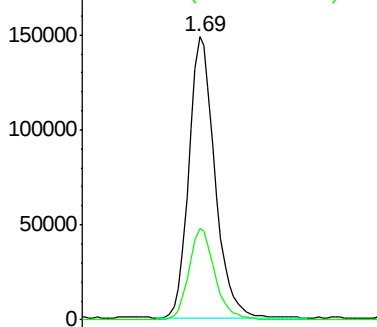
64 100

66 32.1 26.3 39.5

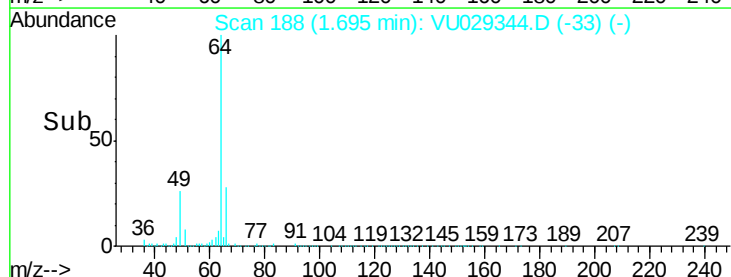


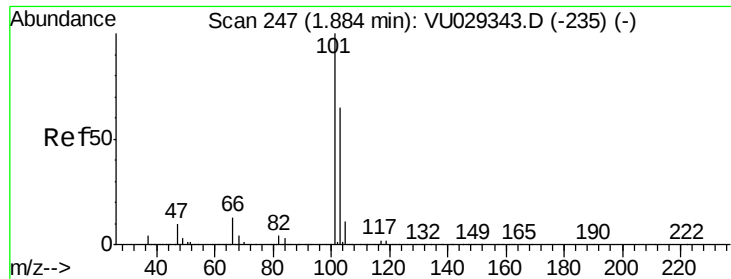
Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



Time-->





#7

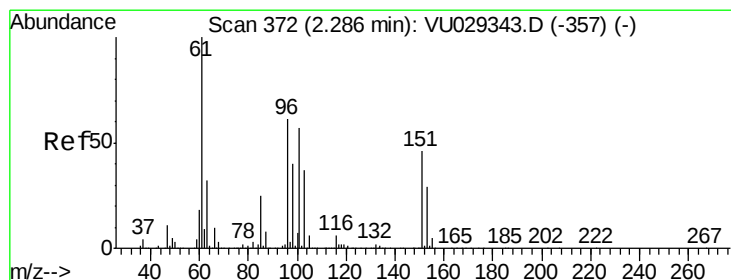
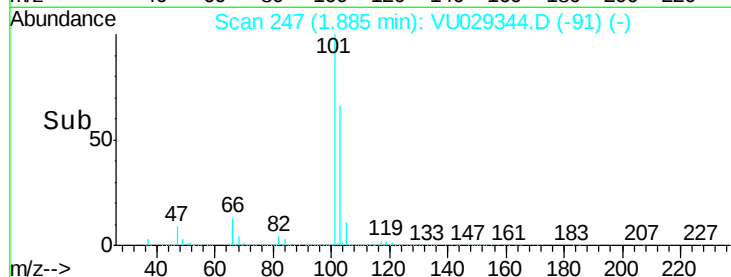
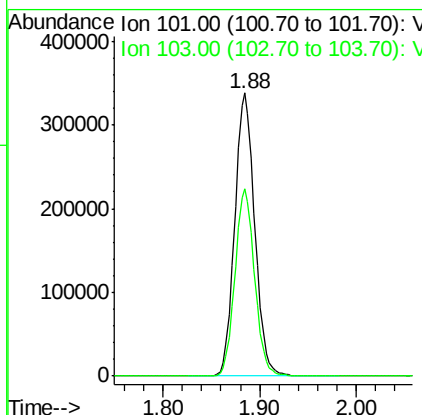
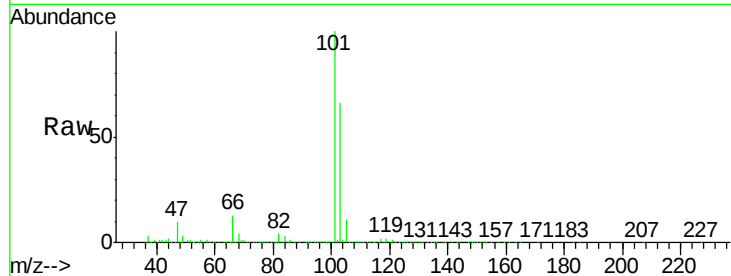
Trichlorofluoromethane
Concen: 15.036 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029344.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	485050		
103	66.1	53.9	80.9	

Manual Integrations
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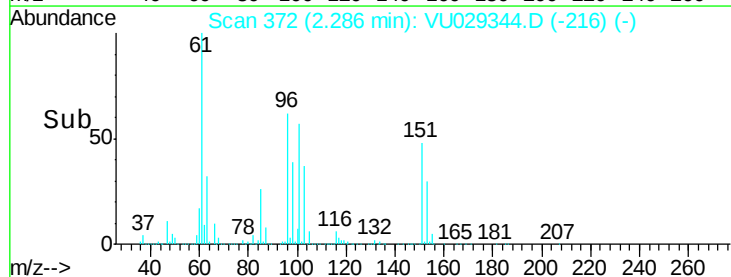
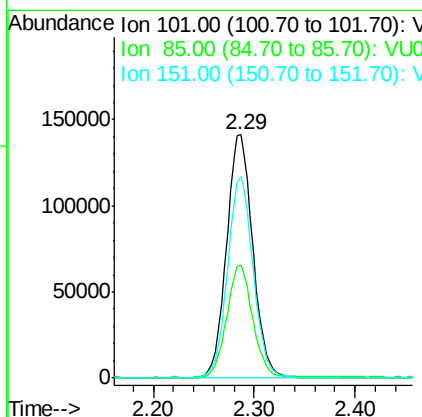
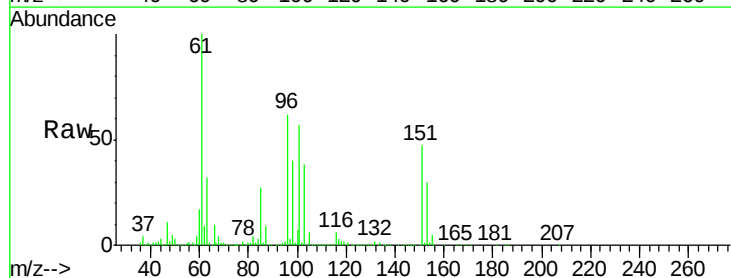
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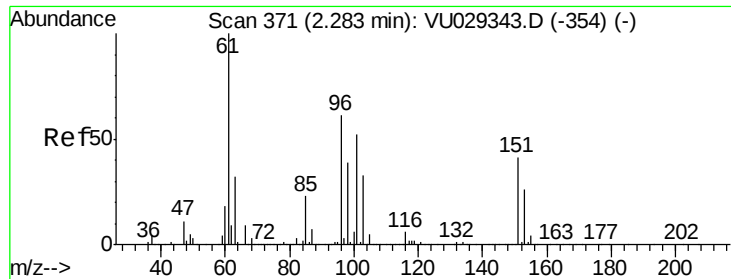


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 15.035 ug/l
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	256106		
85	44.9	40.3	60.5	
151	81.0	58.1	87.1	





#9

1,1-Dichloroethene

Concen: 15.104 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

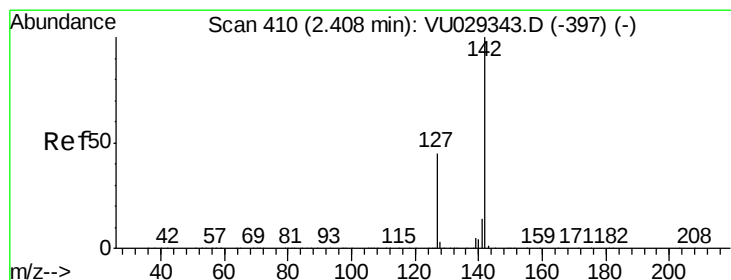
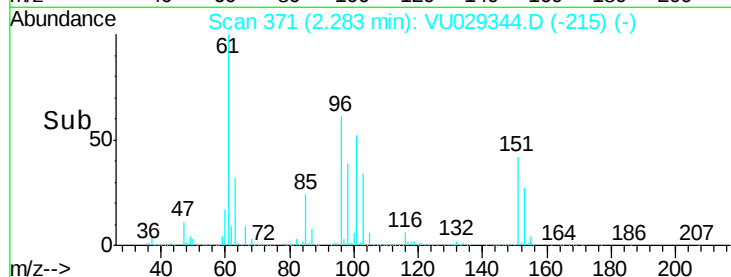
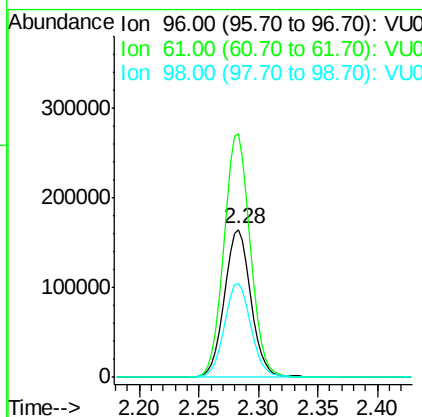
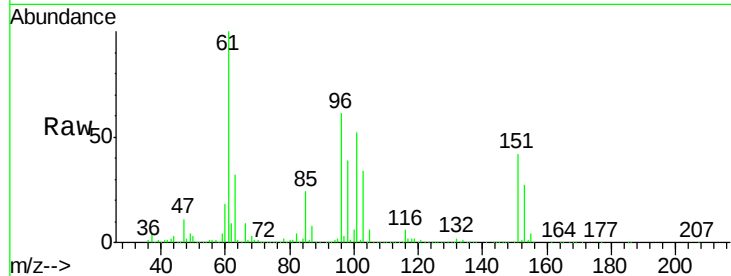
ClientSampleId :

VSTDIC015

Tot Ion:	96	Resp:	251776
Ion Ratio	Lower	Upper	
96	100		
61	165.0	0.0	641.4
98	63.5	0.0	122.6

Manual Integrations
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#10

Iodomethane

Concen: 17.705 ug/l

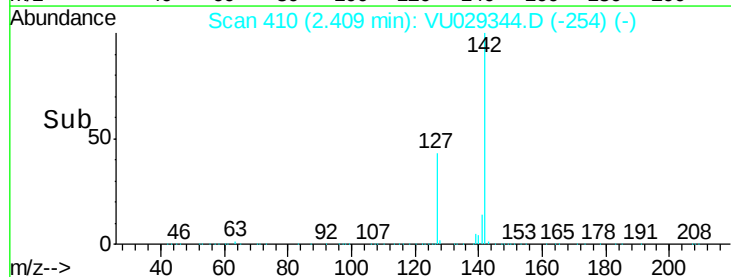
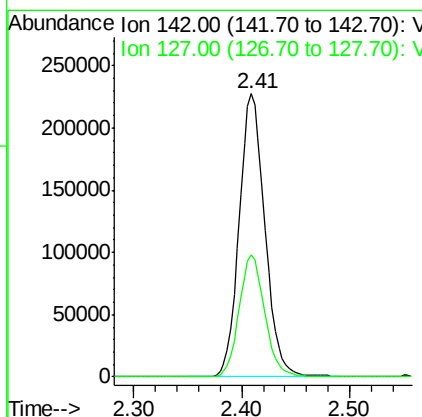
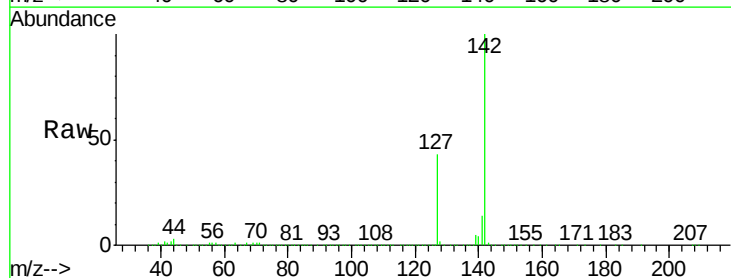
RT: 2.41 min Scan# 410

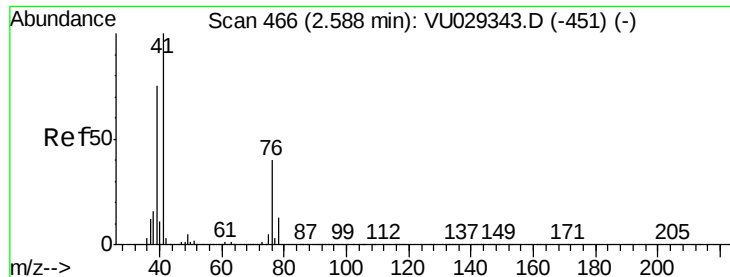
Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Tgt Ion:	142	Resp:	378610
Ion Ratio	Lower	Upper	
142	100		
127	42.9	47.6	71.4#





#11

Allvl Chloride

Concen: 14.843 ug/l

RT: 2.59 min Scan# 466

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 41 Resp: 414894

Ion Ratio Lower Upper

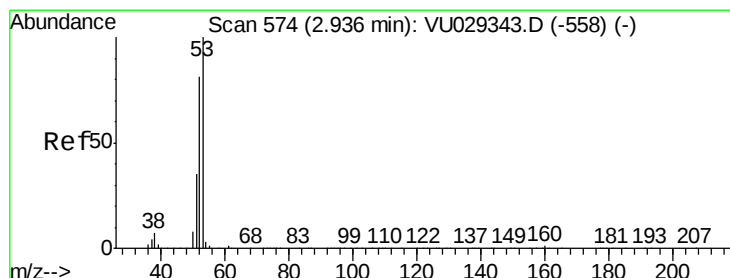
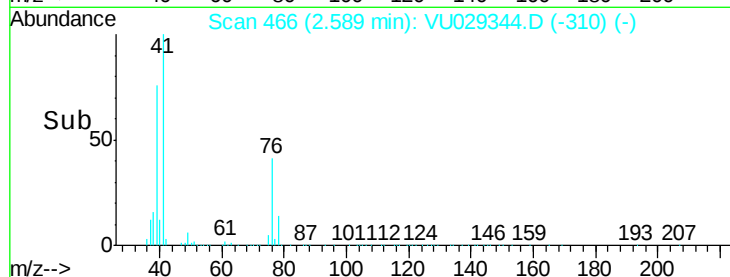
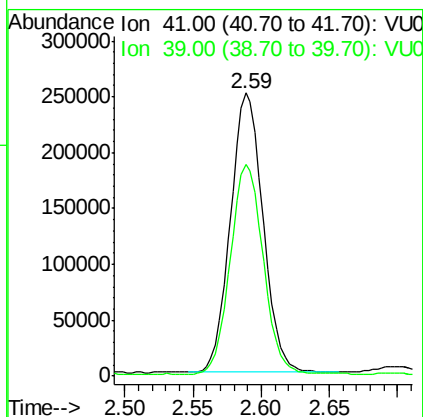
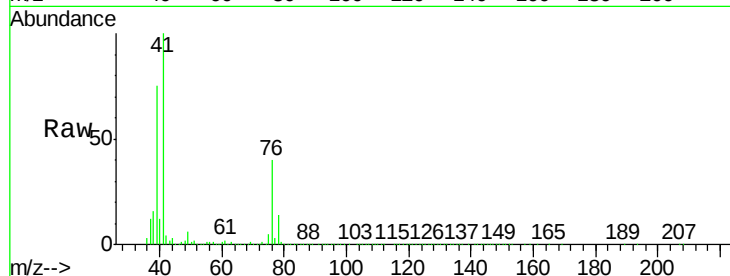
41 100

39 76.0 67.2 100.8

Manual Integrations
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sam

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#12

Acrylonitrile

Concen: 28.850 ug/l

RT: 2.94 min Scan# 574

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

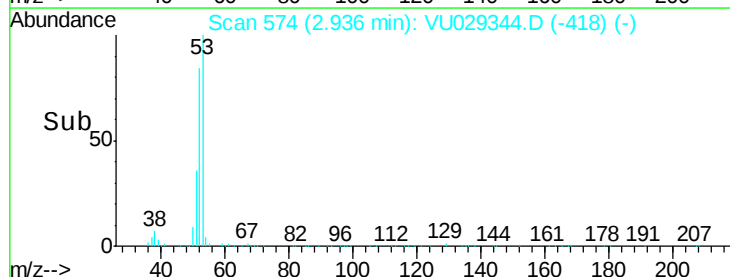
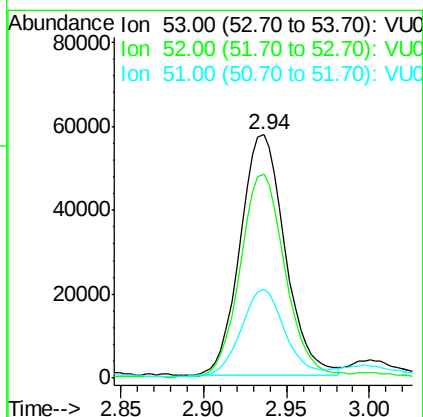
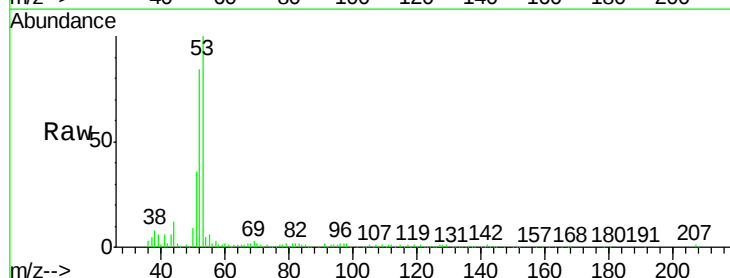
Tgt Ion: 53 Resp: 107785

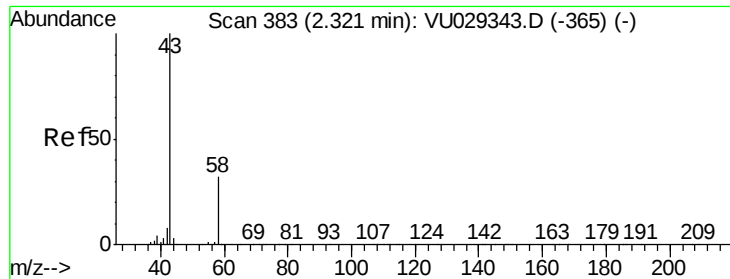
Ion Ratio Lower Upper

53 100

52 84.7 67.6 101.4

51 35.6 31.0 46.4





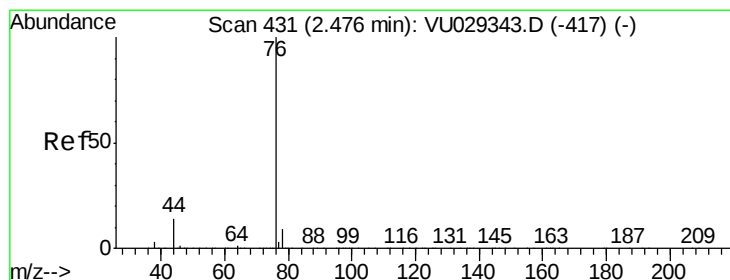
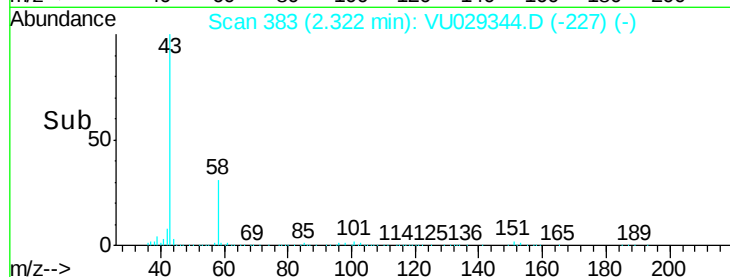
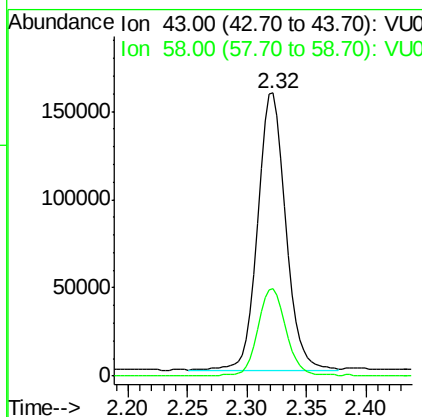
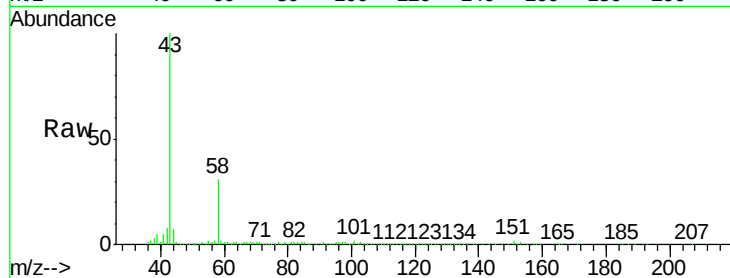
#13
Acetone
Concen: 71.436 ug/l
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion: 43 Resp: 255982
Ion Ratio Lower Upper
43 100
58 31.4 19.2 28.8#

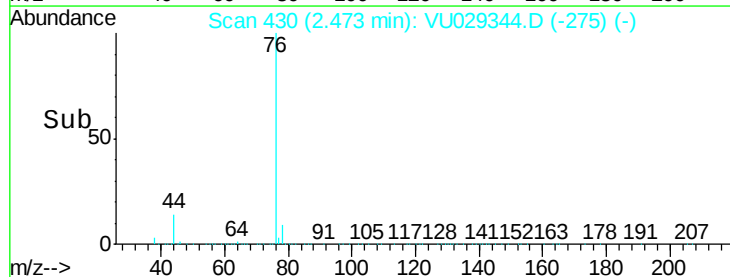
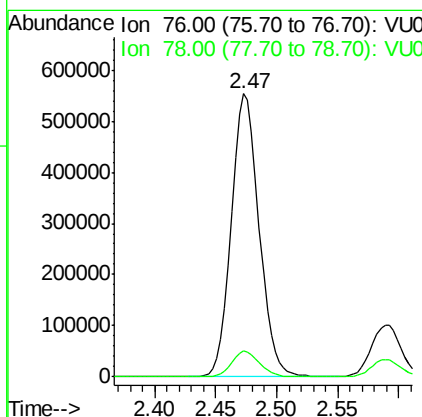
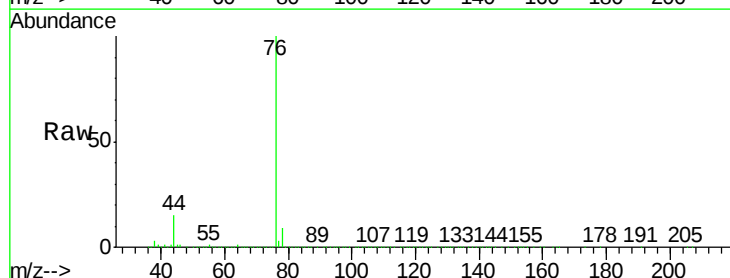
Manual Integrations
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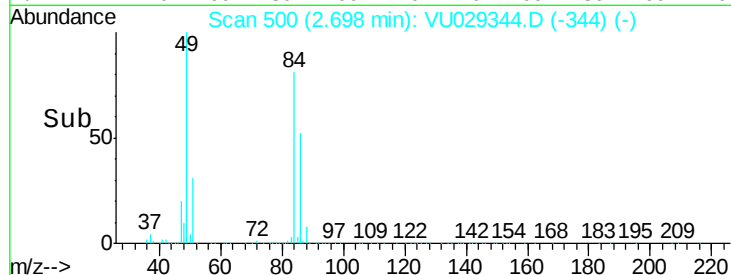
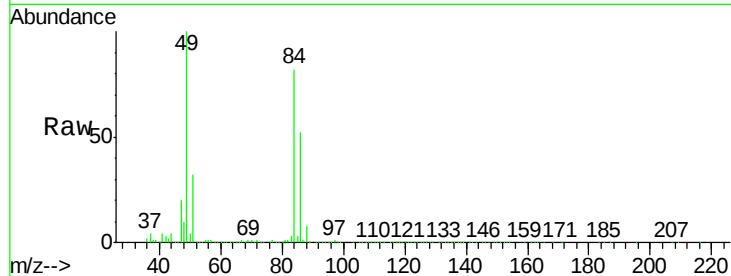
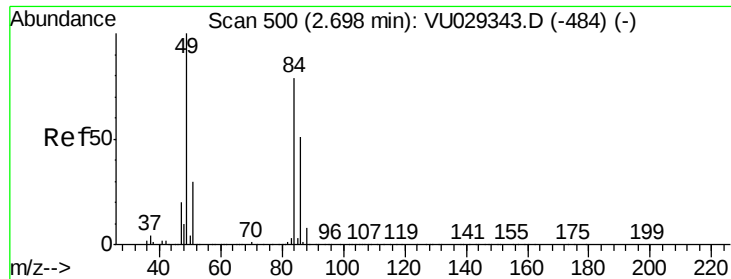
sam
2/8/2019 2:26:28 PM



#14
Carbon Disulfide
Concen: 14.923 ug/l
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Tgt Ion: 76 Resp: 878266
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7





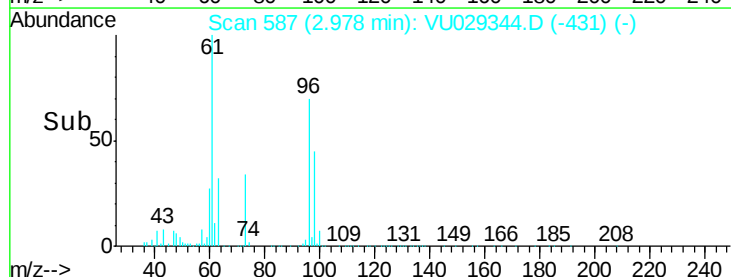
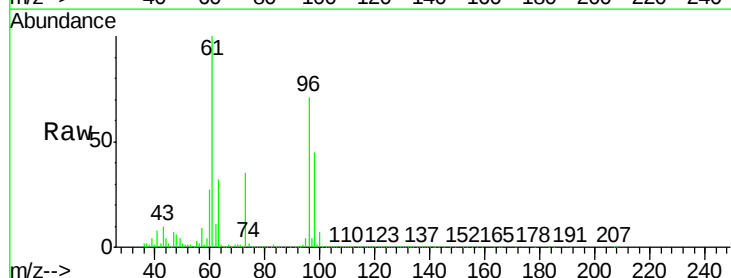
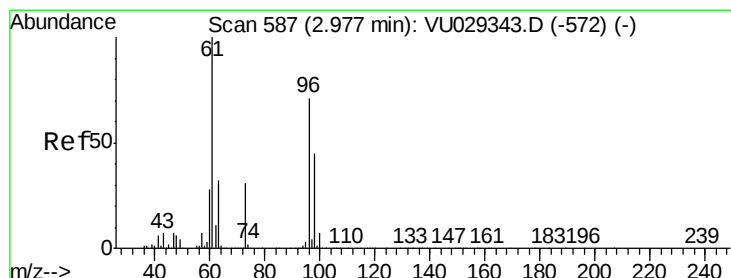
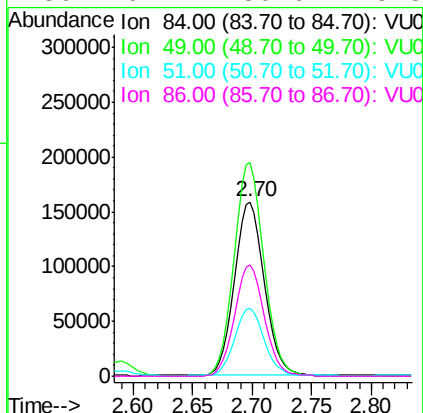
#15
Methvlene Chloride
Concen: 13.628 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Tot Ion	Ratio	Lower	Upper
84	100		
49	123.1	127.0	190.6#
51	38.5	0.0	93.4
86	64.2	50.6	75.8

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

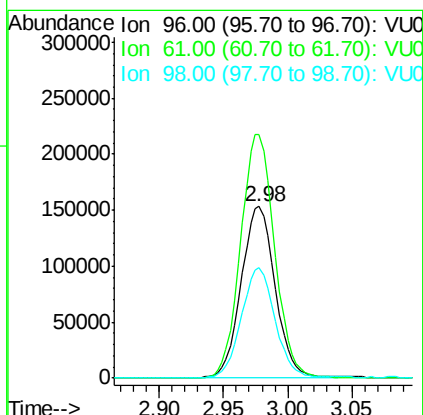
Manual Integrations
APPROVED

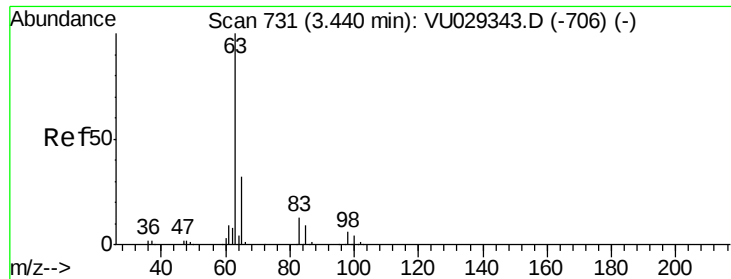
sam
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#16
trans-1,2-Dichloroethene
Concen: 14.929 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.2	140.6	210.8
98	63.9	49.3	73.9





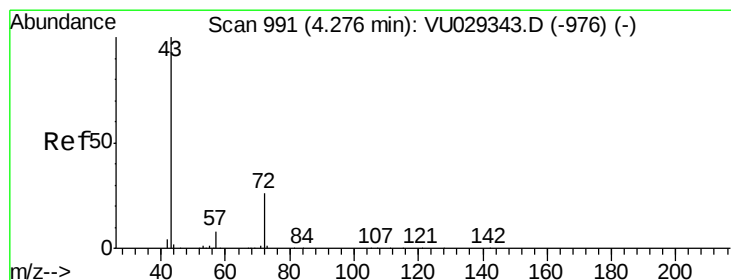
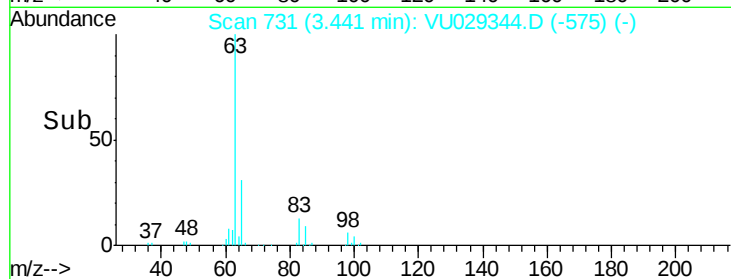
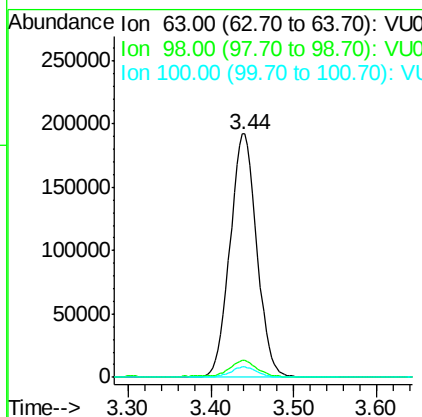
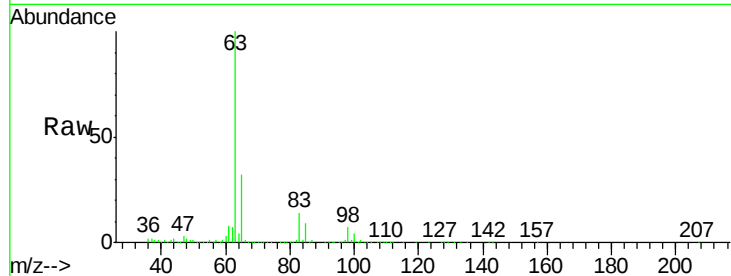
#17
 1,1-Dichloroethane
 Concen: 14.584 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029344.D
 Acq: 05 Feb 2019 13:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	63	Resp	430792
Ion Ratio	Lower	Upper	
63	100		
98	6.8	2.9	8.8
100	4.2	1.7	5.1

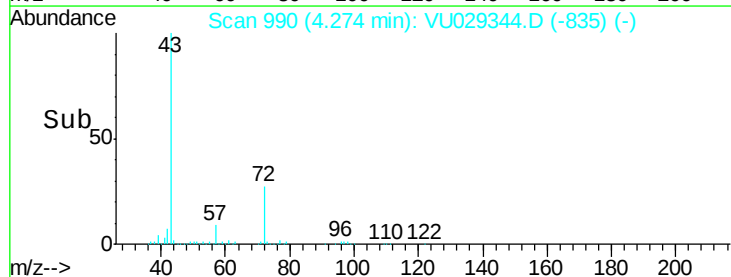
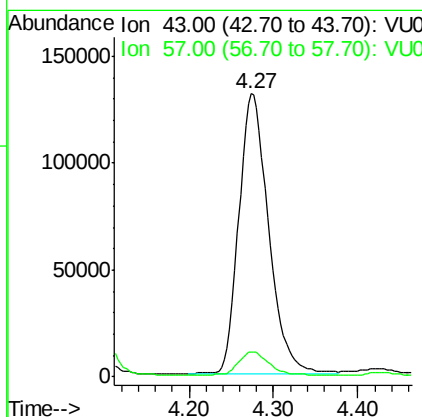
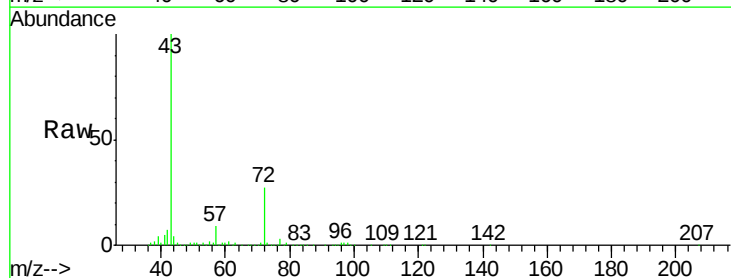
Manual Integrations
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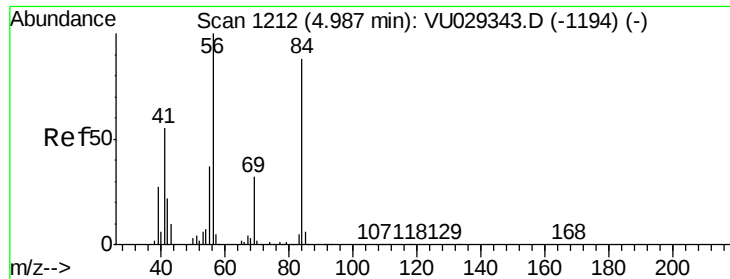
sam
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#18
 2-Butanone
 Concen: 80.222 ug/l
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VU029344.D
 Acq: 05 Feb 2019 13:04

Tgt Ion	43	Resp	322831
Ion Ratio	Lower	Upper	
43	100		
57	8.5	0.0	15.8





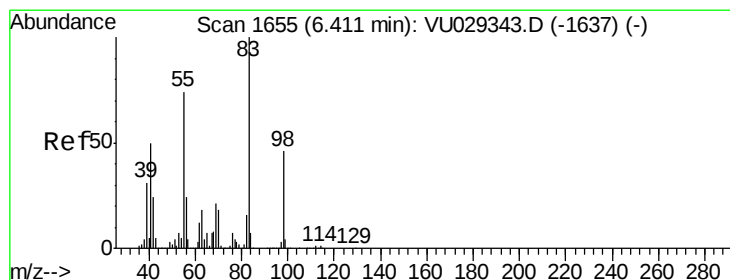
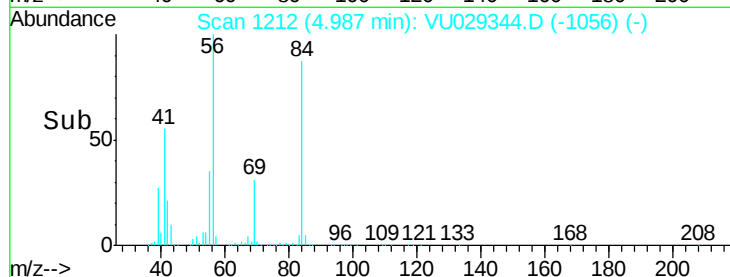
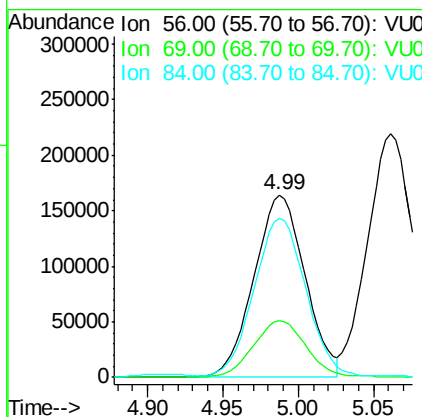
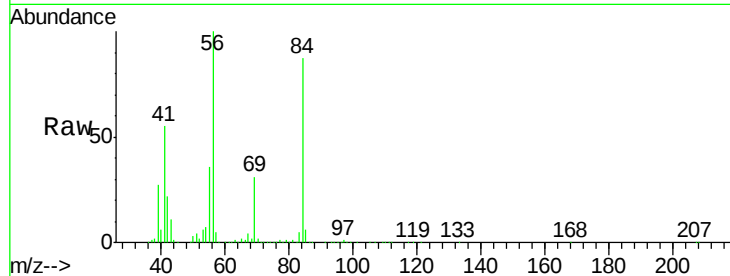
#19
Cyclohexane
Concen: 14.892 ug/l m
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	26.8	40.2
84	86.7	71.5	107.3

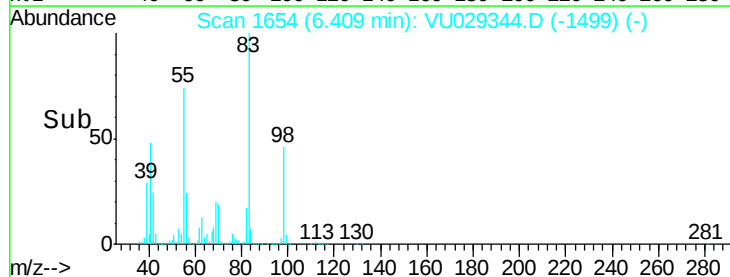
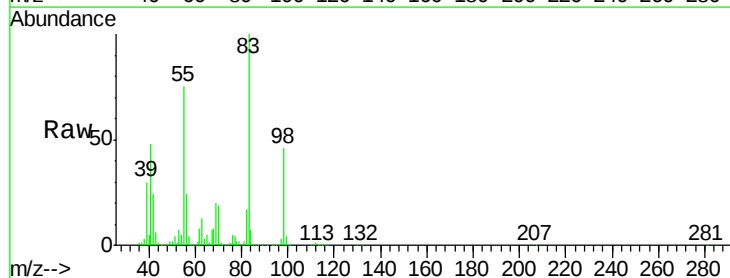
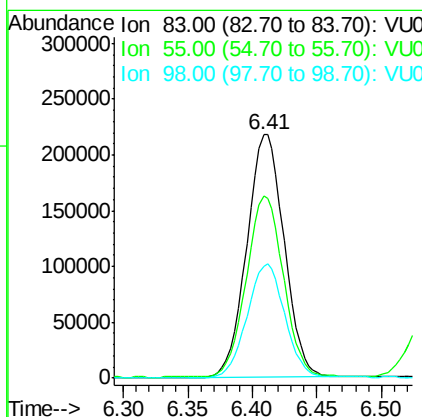
Manual Integrations
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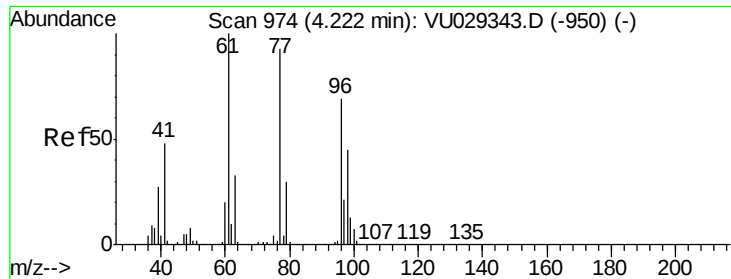
sam
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#20
Methylcyclohexane
Concen: 15.201 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.1	72.4	108.6
98	46.9	36.6	54.8





#21

2,2-Dichloropropane

Concen: 14.748 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 77 Resp: 403242

Ion Ratio Lower Upper

77 100

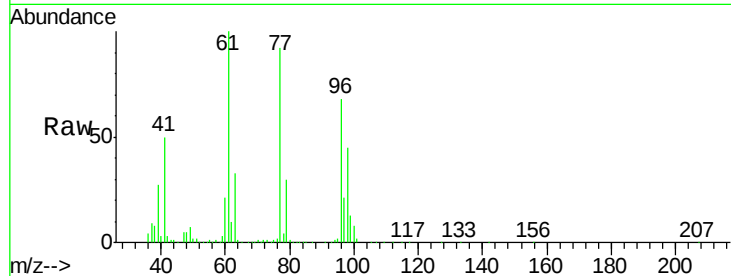
97 23.0 15.6 23.4

Manual Integrations

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Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

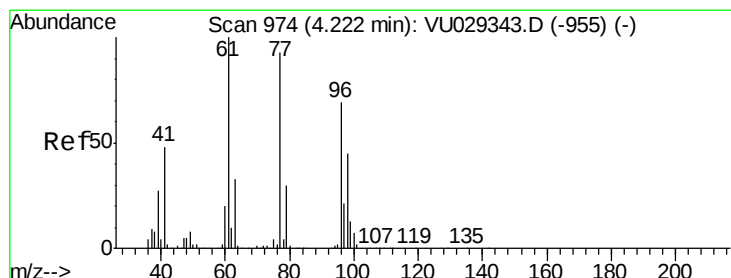
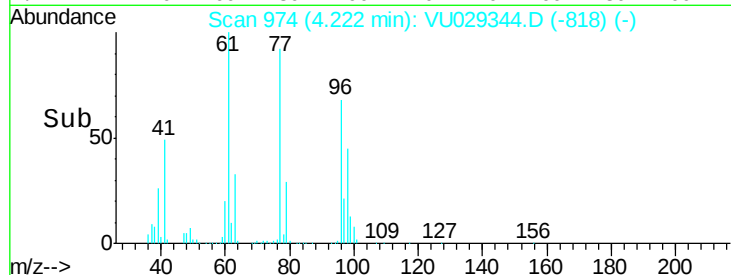
150000

100000

50000

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 15.185 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

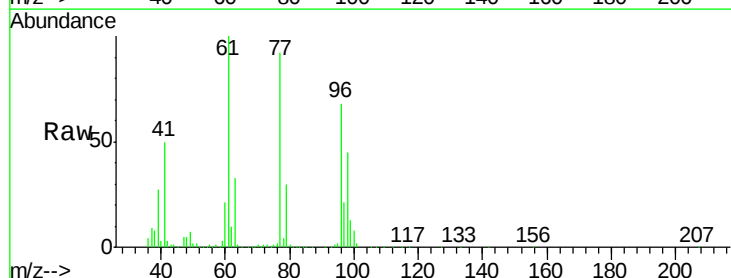
Tgt Ion: 96 Resp: 266647

Ion Ratio Lower Upper

96 100

61 149.3 0.0 460.0

98 65.4 32.6 97.7



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

200000

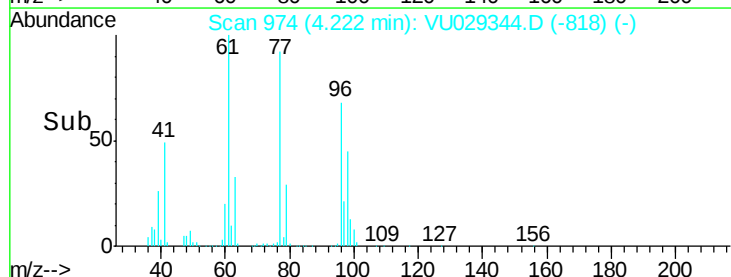
150000

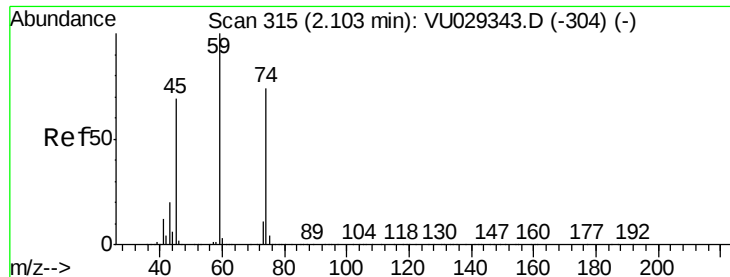
100000

50000

0

Time-->





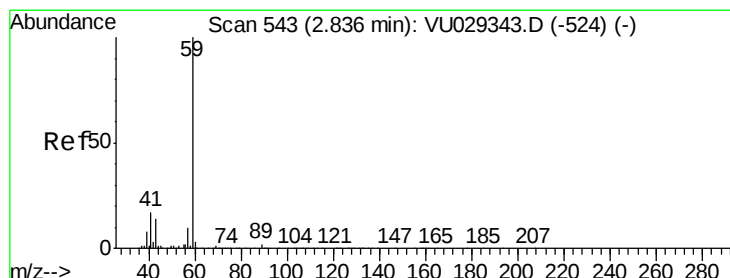
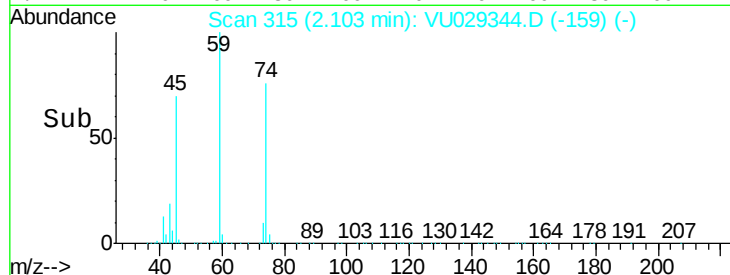
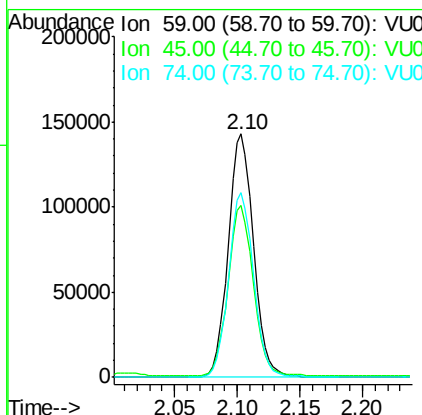
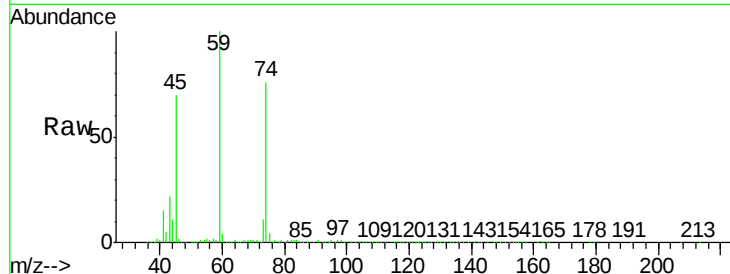
#23
Diethyl Ether
Concen: 14.863 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Resp	Lower	Upper
59	100	198942		
45	69.8		64.2	96.4
74	75.2		55.3	82.9

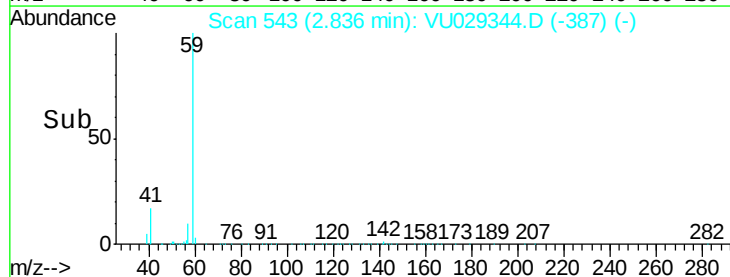
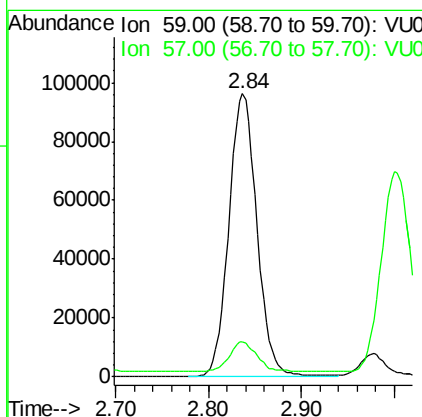
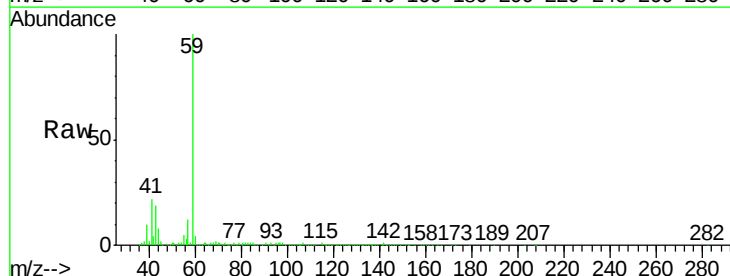
Manual Integrations
APPROVED

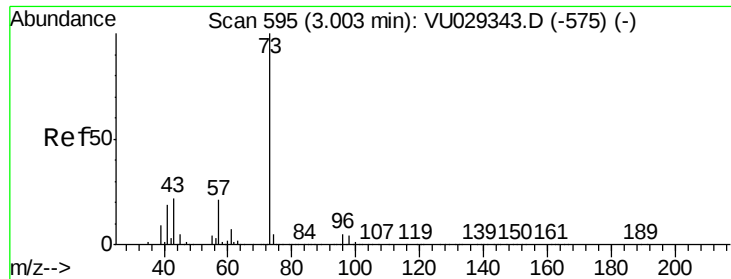
sam
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#24
tert-Butyl Alcohol
Concen: 143.951 ug/l
RT: 2.84 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	200242		
57	10.5		8.8	13.2





#25

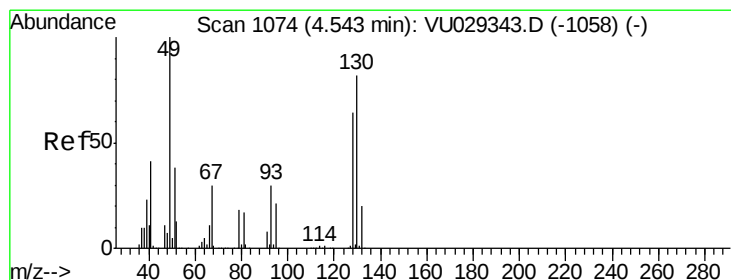
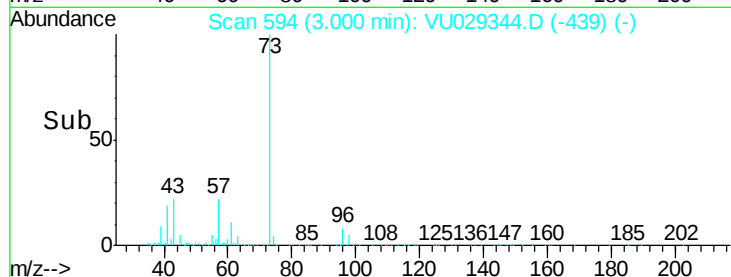
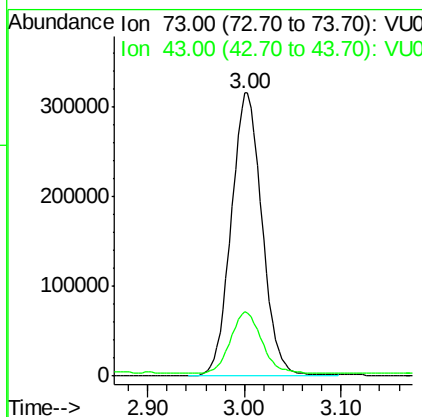
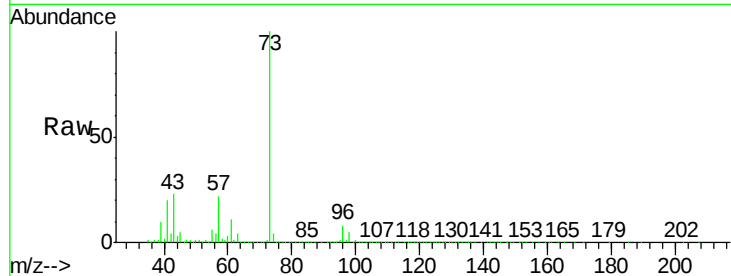
Methyl tert-Butyl Ether
 Concen: 14.803 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VU029344.D
 Acq: 05 Feb 2019 13:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.3	22.1	33.1#

Manual Integrations
 APPROVED

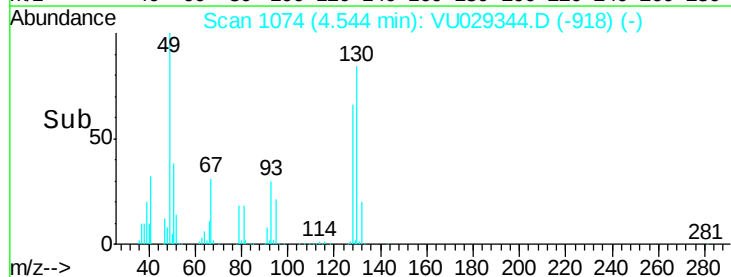
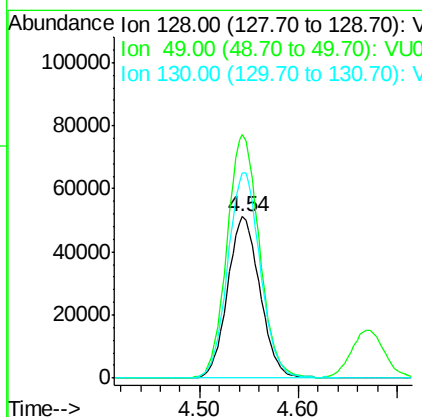
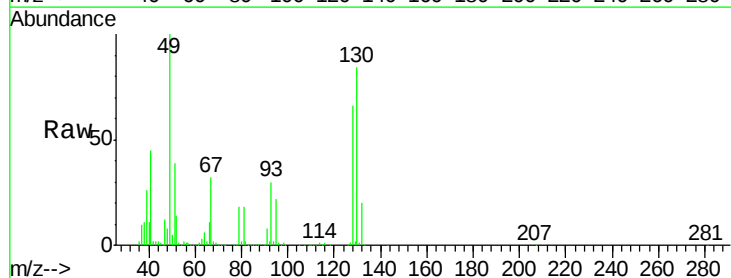
sam
 2/8/2019 2:26:28 PM

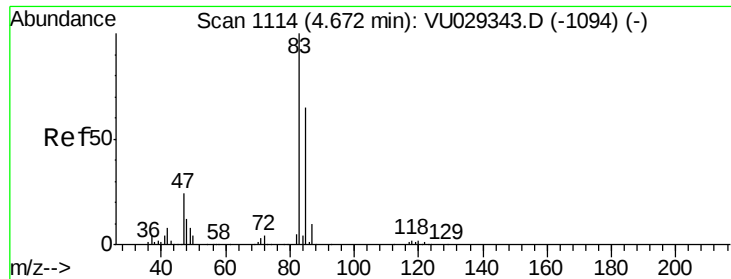


#26

Bromochloromethane
 Concen: 15.057 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU029344.D
 Acq: 05 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
128	100		
49	150.8	0.0	401.6
130	127.9	108.0	162.0





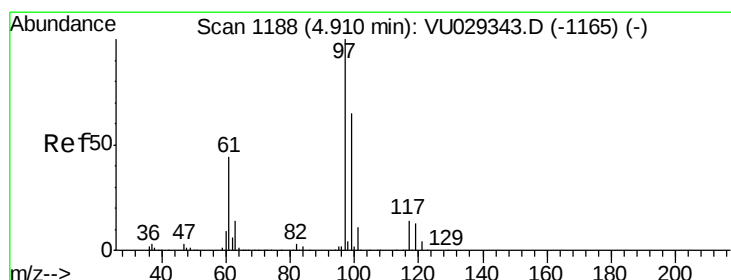
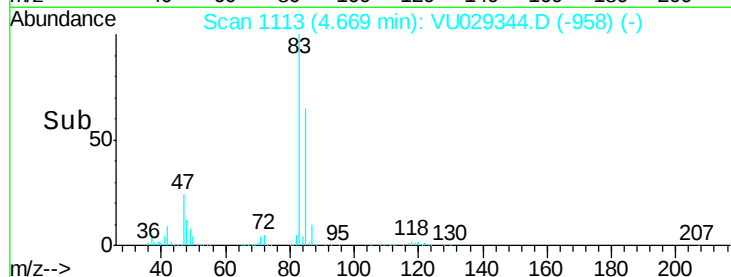
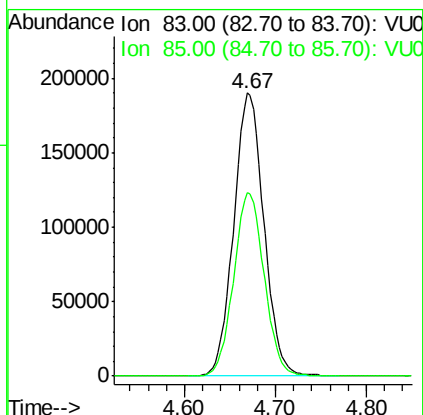
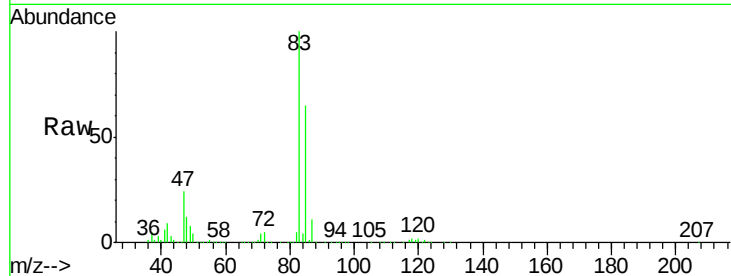
#27
Chloroform
Concen: 15.148 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	83	Resp	435148
Ion Ratio	100	Lower	Upper
85	64.9	0.0	126.6

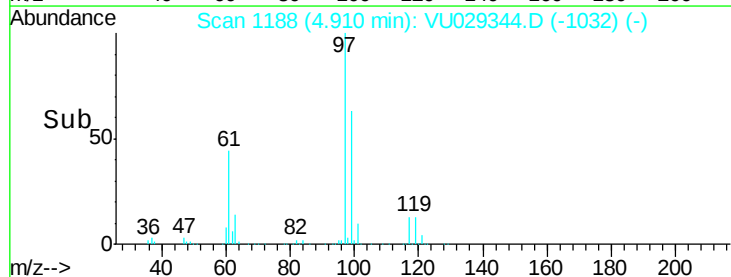
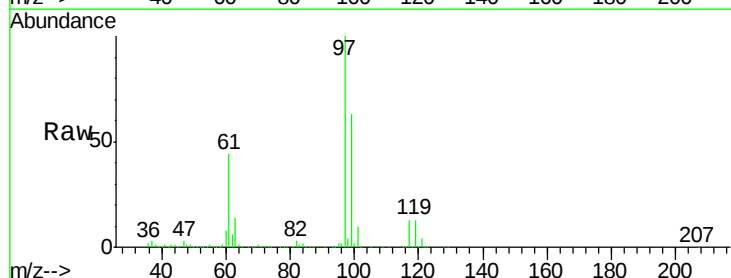
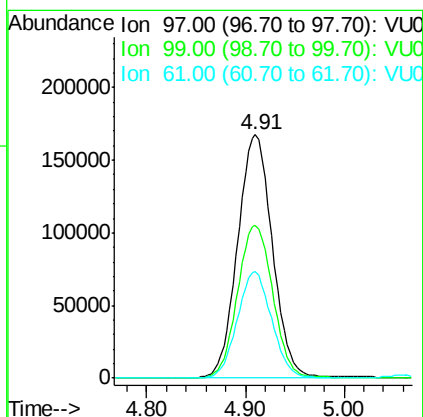
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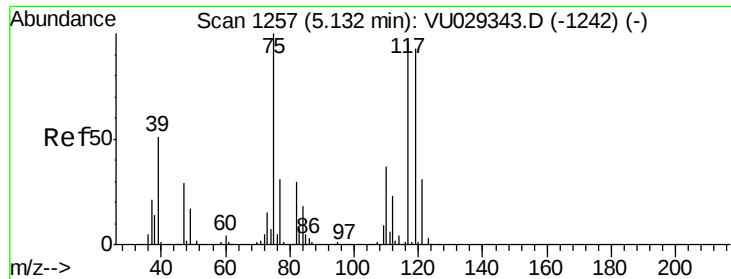
sam
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#28
1,1,1-Trichloroethane
Concen: 15.308 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Tgt Ion	97	Resp	407590
Ion Ratio	100	Lower	Upper
99	63.6	32.4	97.2
61	43.5	24.4	73.2





#29

1,1-Dichloropropene

Concen: 15.081 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

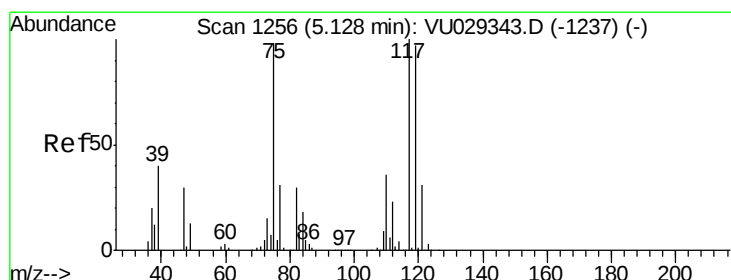
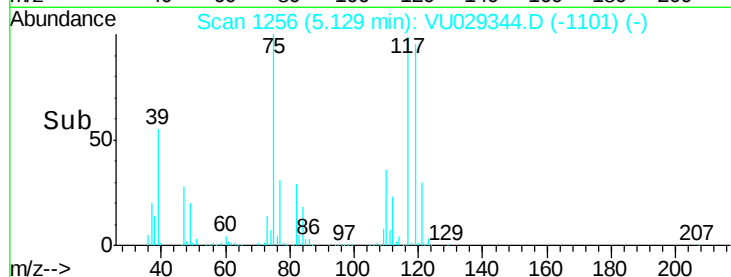
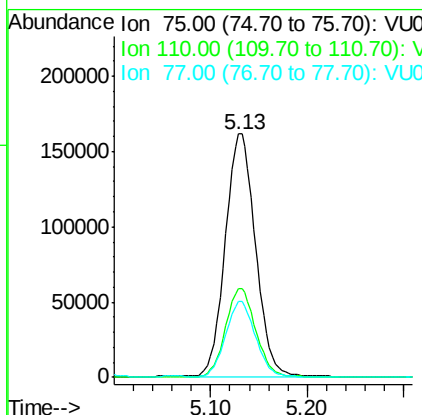
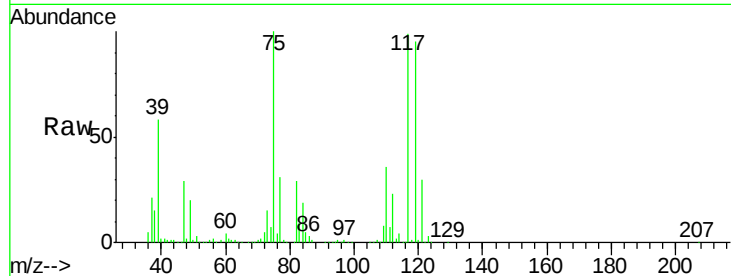
ClientSampleId :

VSTDIC015

Tot Ion:	75	Resp:	348588
Ion Ratio	Lower	Upper	
75	100		
110	37.1	15.4	46.2
77	30.9	24.1	36.1

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 15.424 ug/l

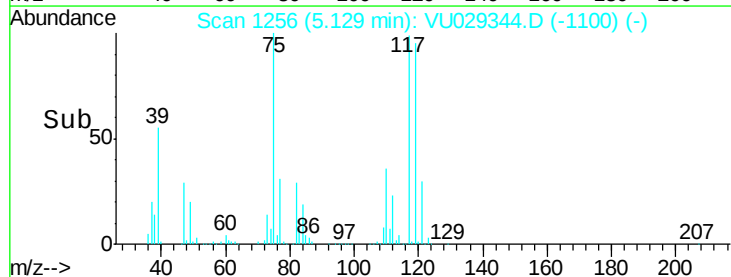
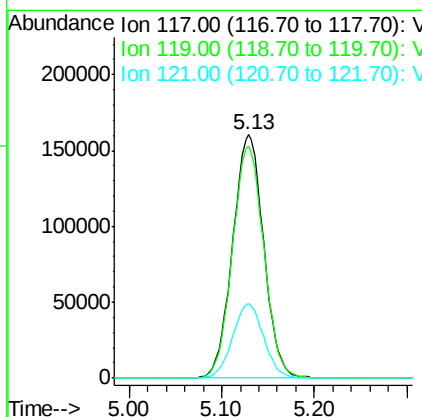
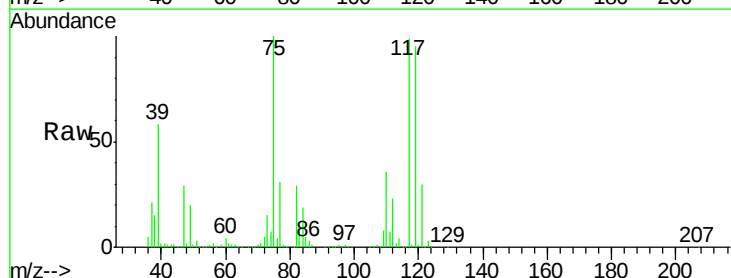
RT: 5.13 min Scan# 1256

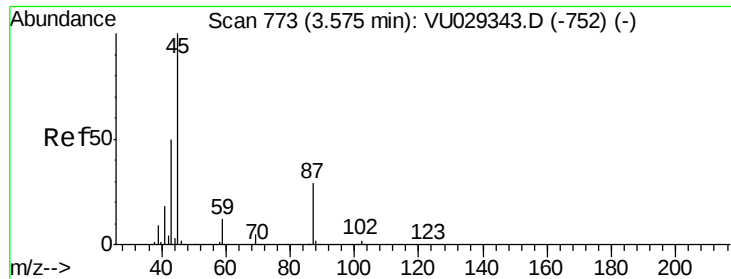
Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Tgt Ion:	117	Resp:	371790
Ion Ratio	Lower	Upper	
117	100		
119	95.6	76.8	115.2
121	30.7	24.4	36.6





#31

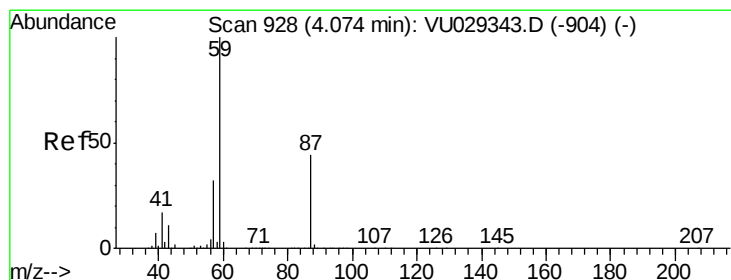
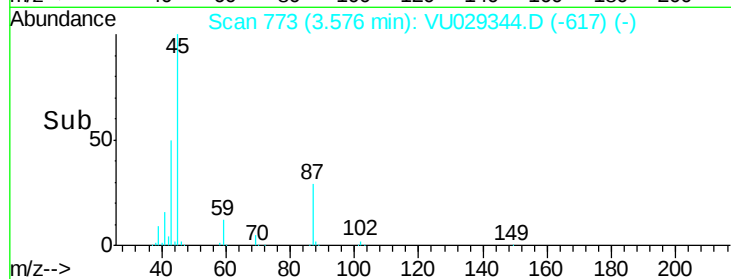
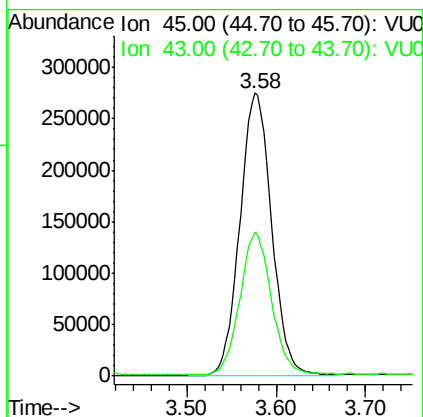
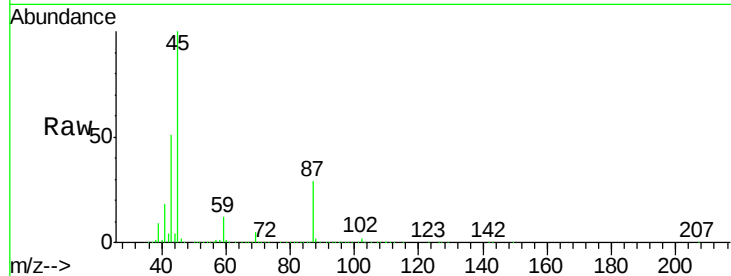
Isopropyl Ether
 Concen: 15.243 ug/l
 RT: 3.58 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: VU029344.D
 Acq: 05 Feb 2019 13:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	45	Resp	679411
Ion Ratio	100	Lower	Upper
43	49.7	28.4	85.3

Manual Integrations
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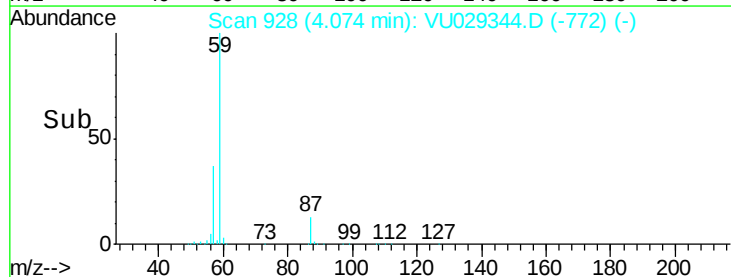
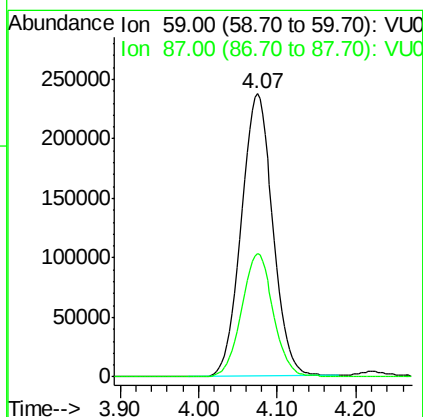
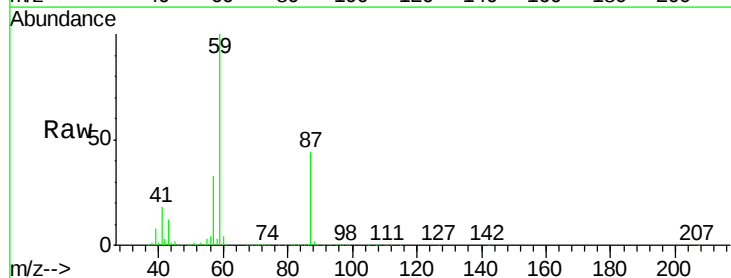
sam
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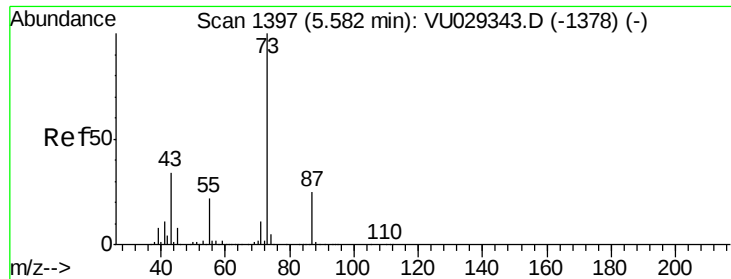


#32

Ethyl-t-butyl ether
 Concen: 14.937 ug/l
 RT: 4.07 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VU029344.D
 Acq: 05 Feb 2019 13:04

Tgt Ion	59	Resp	667166
Ion Ratio	100	Lower	Upper
87	43.7	31.1	46.7





#33

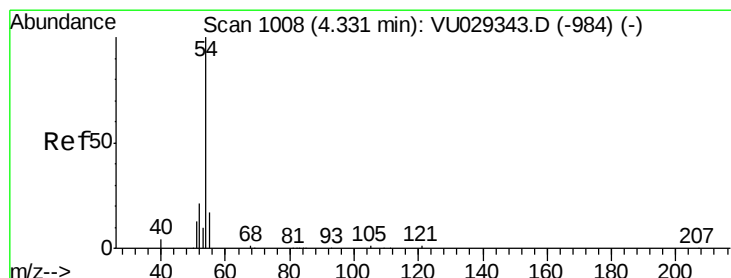
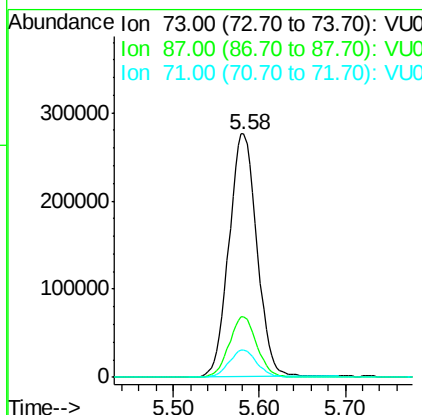
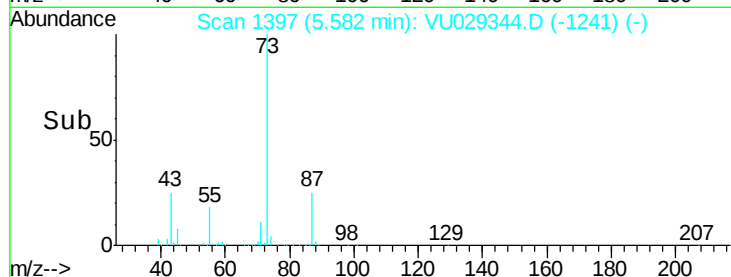
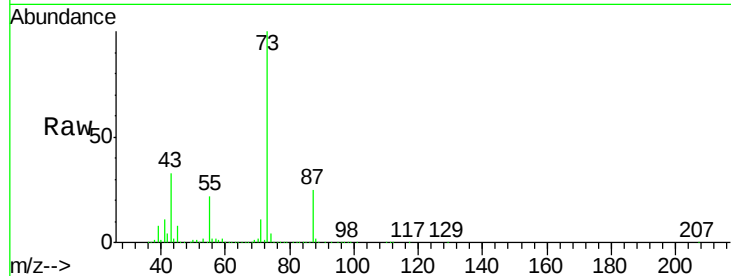
Tert-Amvl methvl ether
Concen: 15.343 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.9	19.4	29.0
71	11.1	9.0	13.4

Manual Integrations
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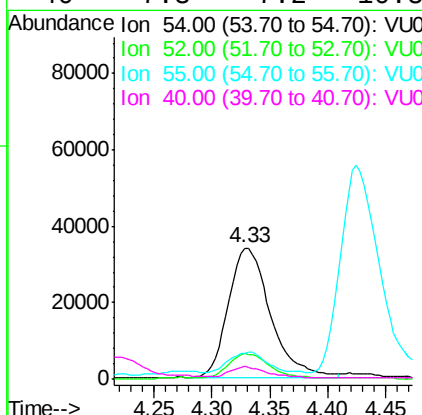
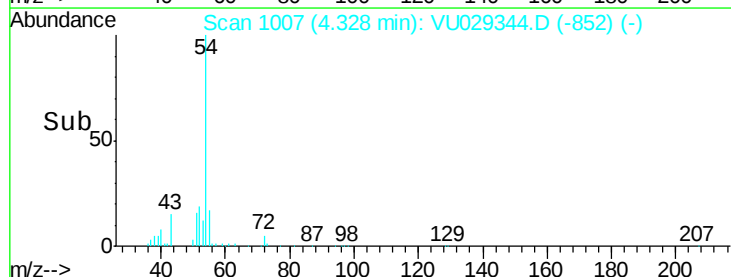
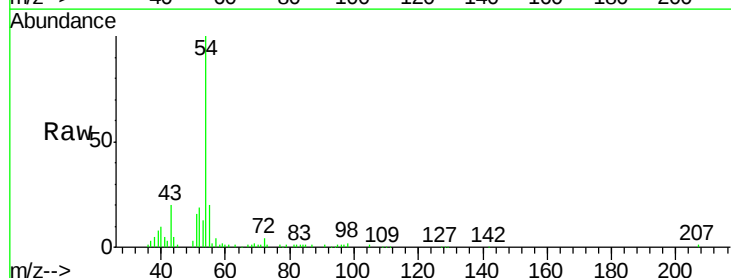
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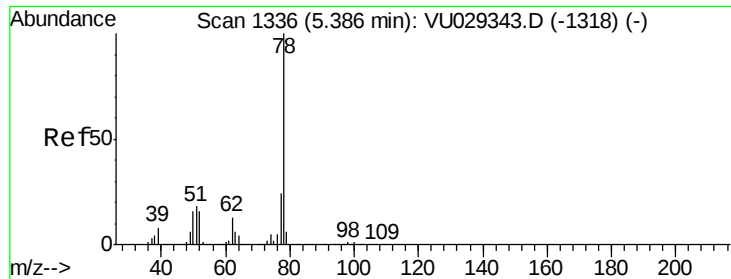


#34

Propionitrile
Concen: 83.763 ug/l
RT: 4.33 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.0	18.9	28.3
55	14.1	15.1	22.7#
40	7.3	7.2	10.8





#35

Benzene

Concen: 15.304 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 78 Resp: 978196

Ion Ratio Lower Upper

78 100

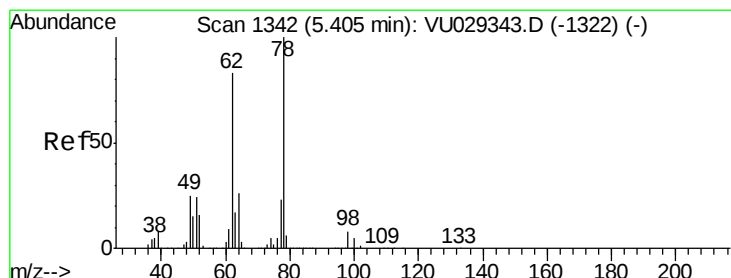
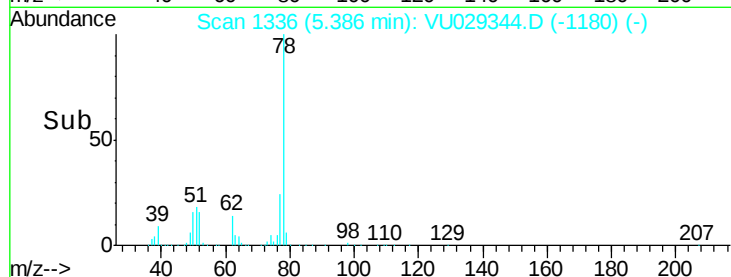
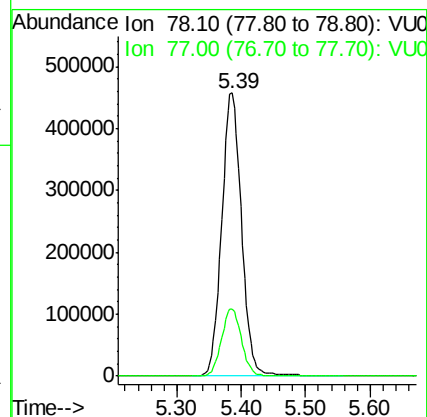
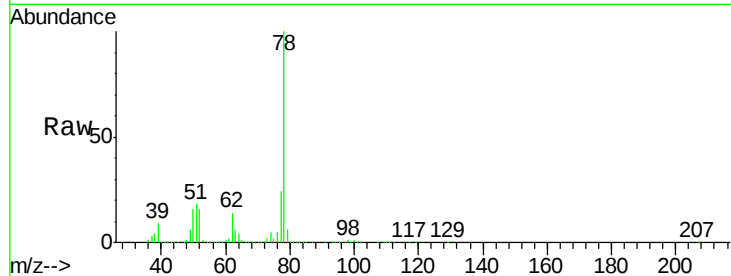
77 23.7 19.8 29.8

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 15.321 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029344.D

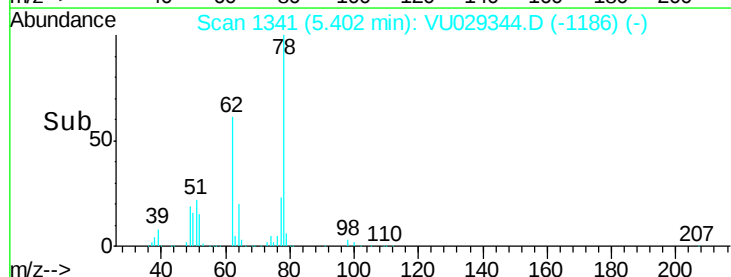
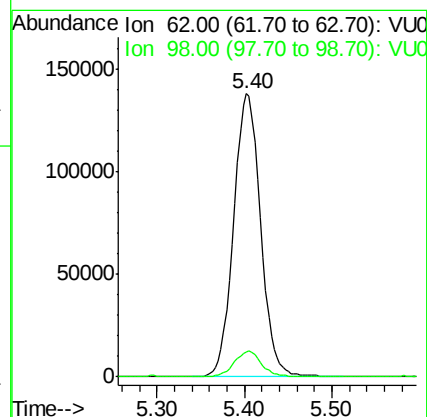
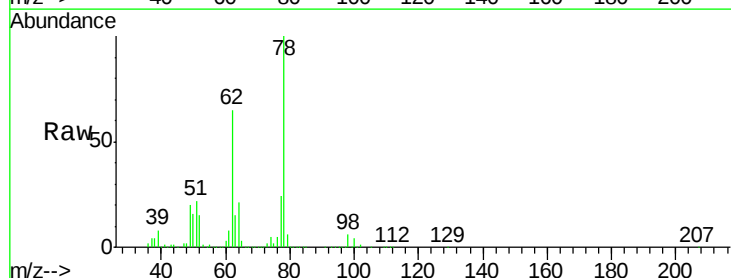
Acq: 05 Feb 2019 13:04

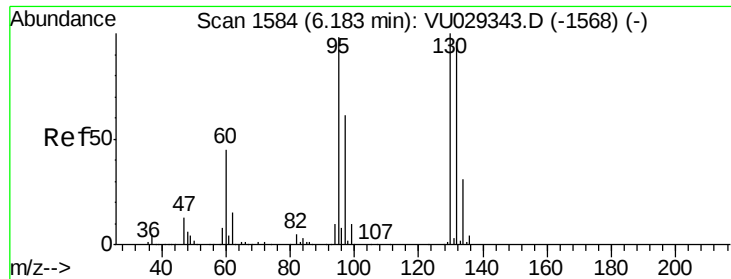
Tgt Ion: 62 Resp: 296203

Ion Ratio Lower Upper

62 100

98 8.6 4.9 7.3#





#37

Trichloroethene

Concen: 15.444 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:130 Resp: 283277

Ion Ratio Lower Upper

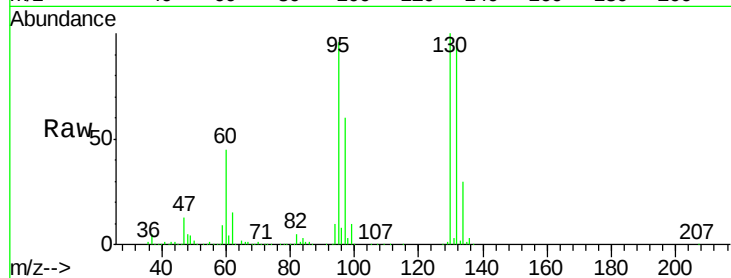
130 100

95 95.7 85.4 128.0

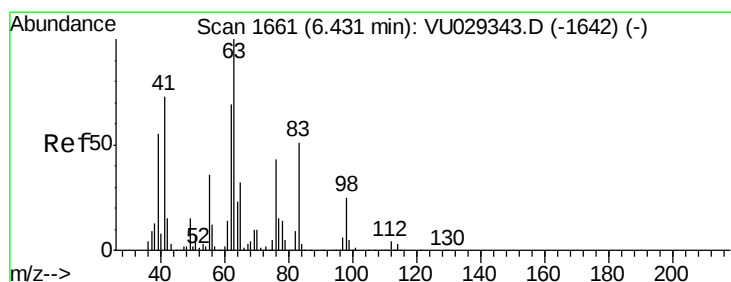
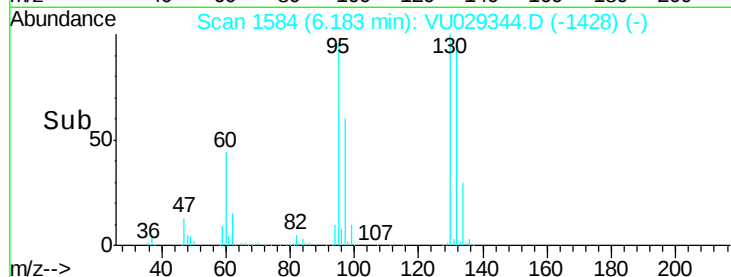
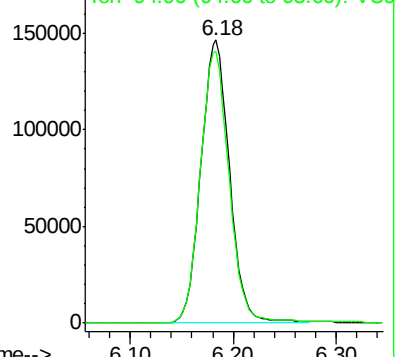
Manual Integrations
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Abundance Ion 129.90 (129.60 to 130.60): V



#38

1,2-Dichloropropane

Concen: 15.236 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029344.D

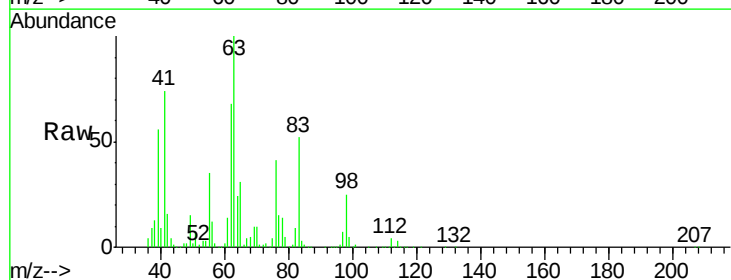
Acq: 05 Feb 2019 13:04

Tgt Ion: 63 Resp: 253337

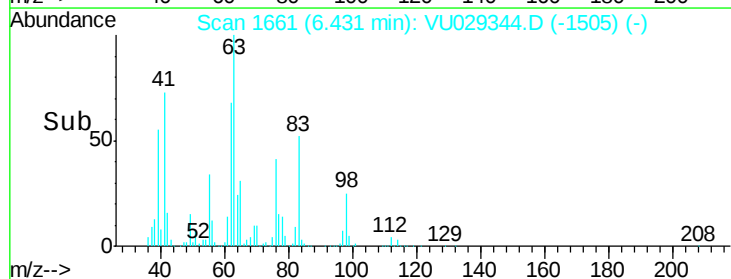
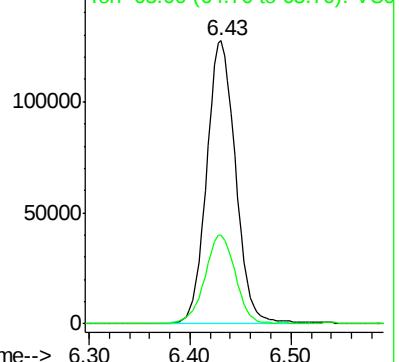
Ion Ratio Lower Upper

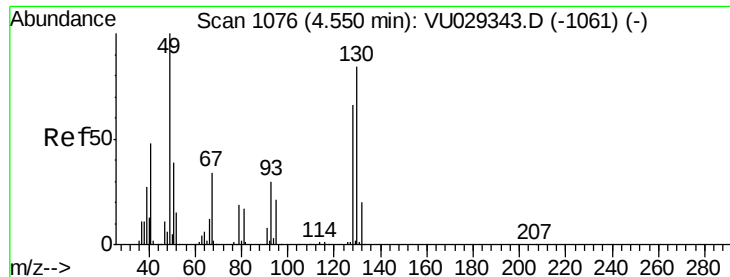
63 100

65 31.1 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU0





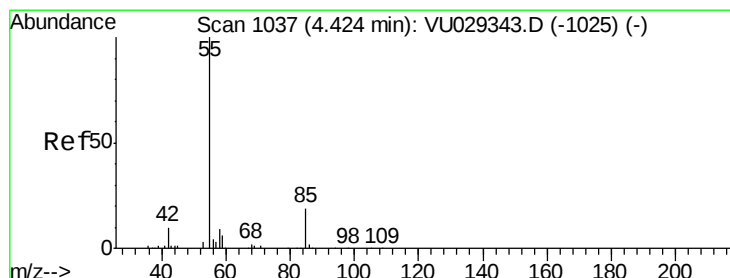
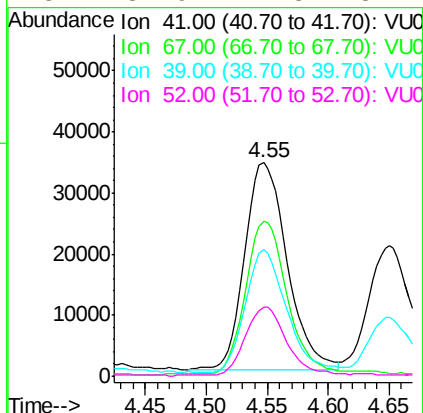
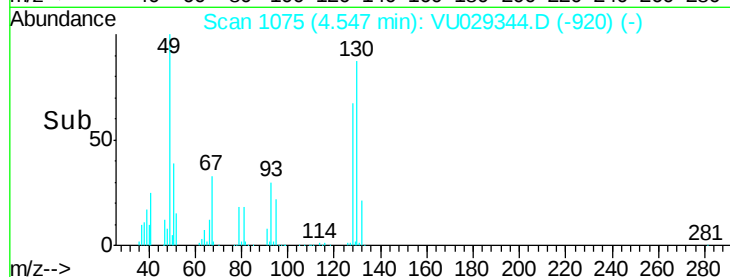
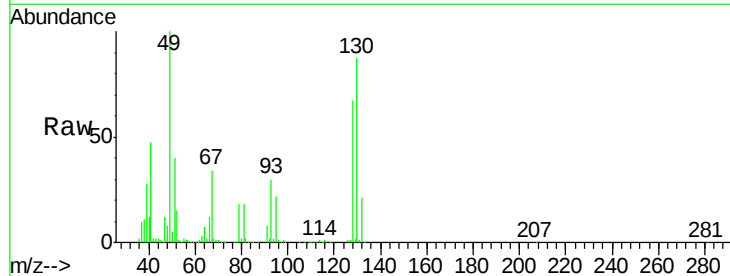
#39
Methacrylonitrile
Concen: 15.104 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	41	Resp	81817
Ion	Ratio	Lower	Upper
41	100		
67	71.6	50.1	75.1
39	58.2	47.9	71.9
52	31.9	24.8	37.2

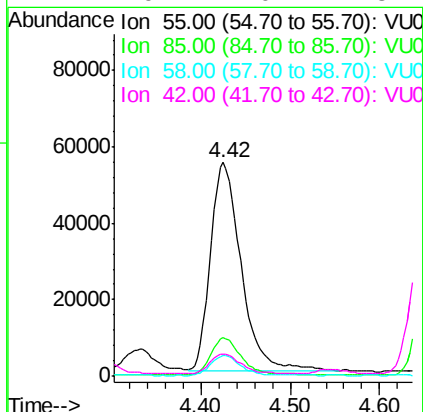
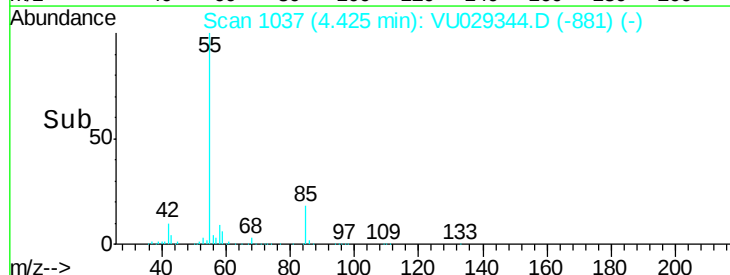
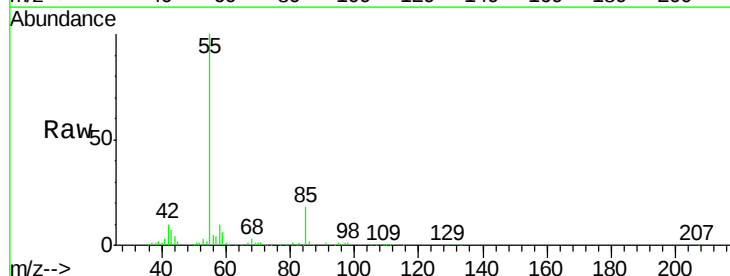
Manual Integrations
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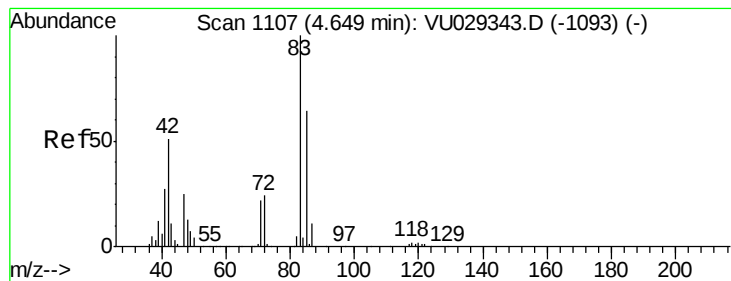
sam
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#40
Methyl acrylate
Concen: 15.966 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Tgt Ion	55	Resp	130560
Ion	Ratio	Lower	Upper
55	100		
85	17.4	11.3	16.9#
58	8.9	6.2	9.4
42	9.1	10.1	15.1#





#41

Tetrahydrofuran

Concen: 28.473 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

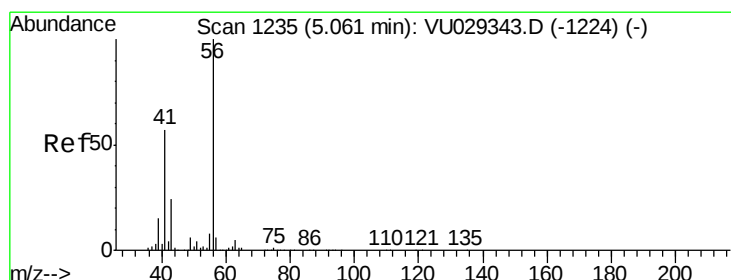
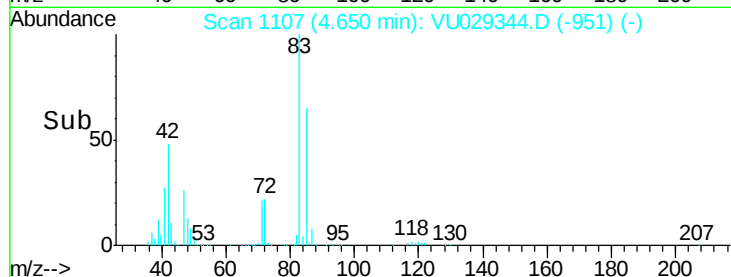
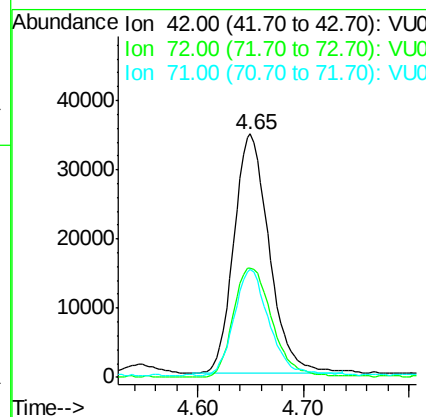
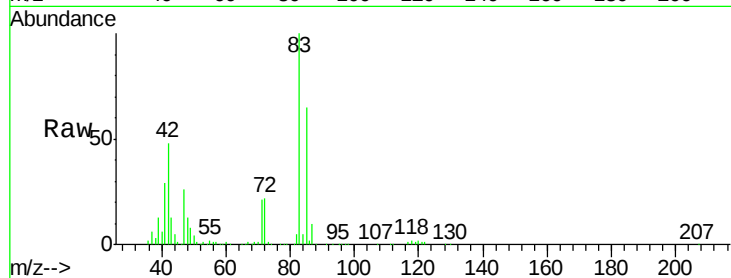
ClientSampleId :

VSTDIC015

Tot Ion:	42	Resp:	80616
Ion	Ratio	Lower	Upper
42	100		
72	50.3	33.1	49.7#
71	43.6	30.2	45.2

Manual Integrations
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#42

1-Chlorobutane

Concen: 15.461 ug/l

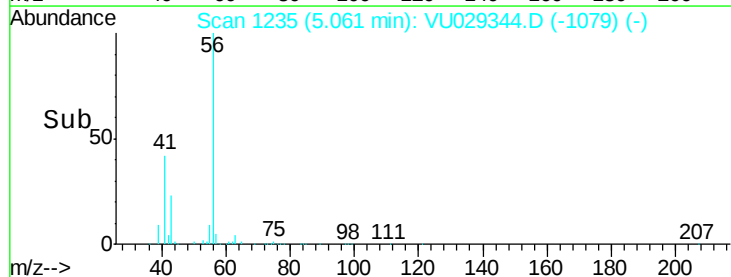
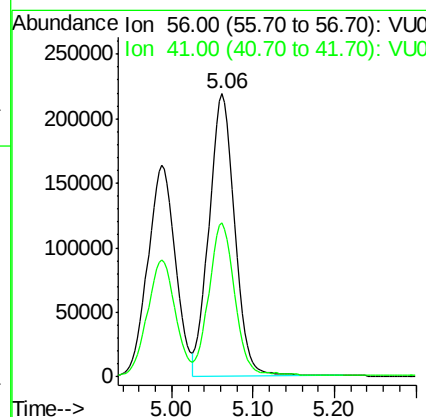
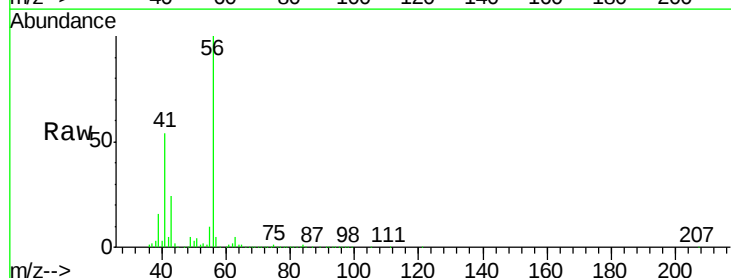
RT: 5.06 min Scan# 1235

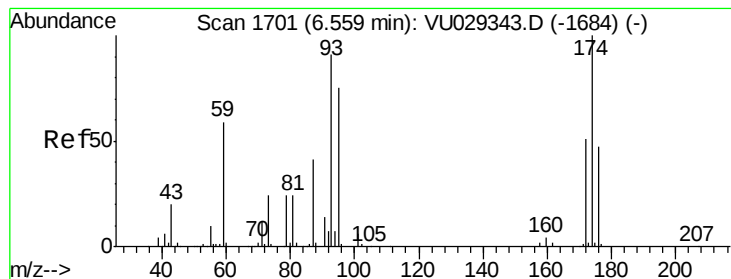
Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Tgt Ion:	56	Resp:	478810
Ion	Ratio	Lower	Upper
56	100		
41	54.1	31.3	93.8





#43

Dibromomethane

Concen: 15.025 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

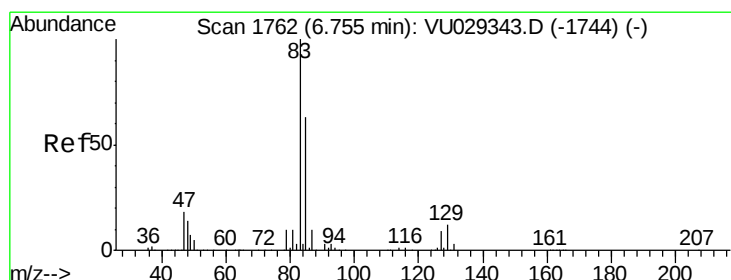
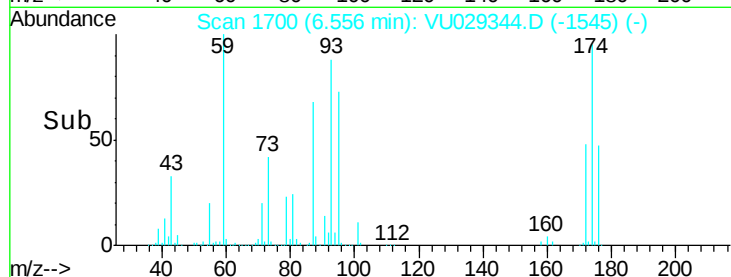
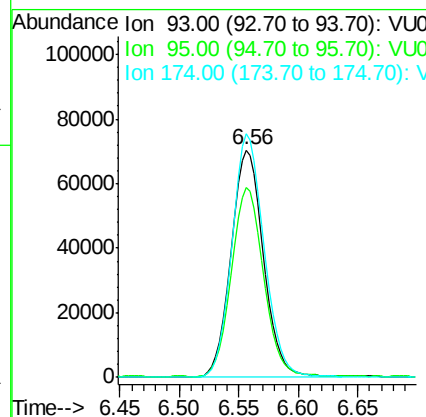
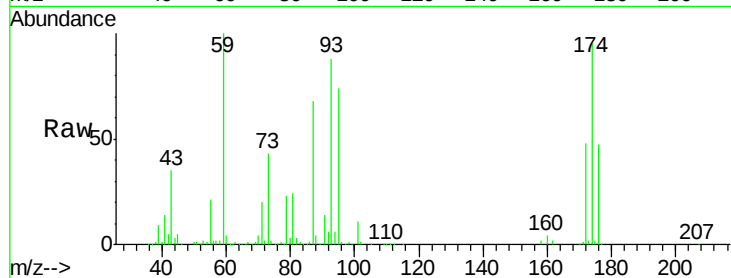
ClientSampleId :

VSTDIC015

Tot Ion:	93	Resp:	133141
Ion	Ratio	Lower	Upper
93	100		
95	82.5	68.2	102.2
174	106.1	77.6	116.4

Manual Integrations
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#44

Bromodichloromethane

Concen: 15.244 ug/l

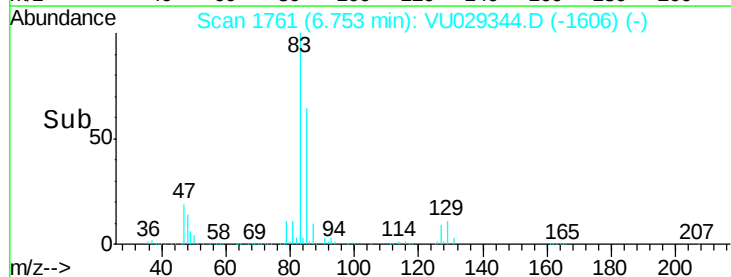
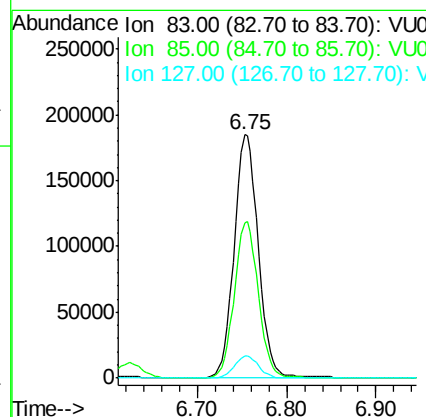
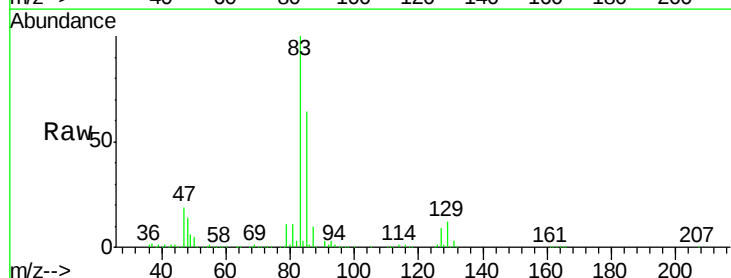
RT: 6.75 min Scan# 1761

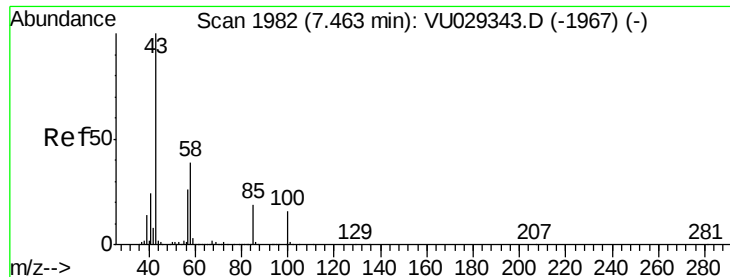
Delta R.T. -0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Tgt Ion:	83	Resp:	344179
Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.2	73.8
127	9.0	7.0	10.6





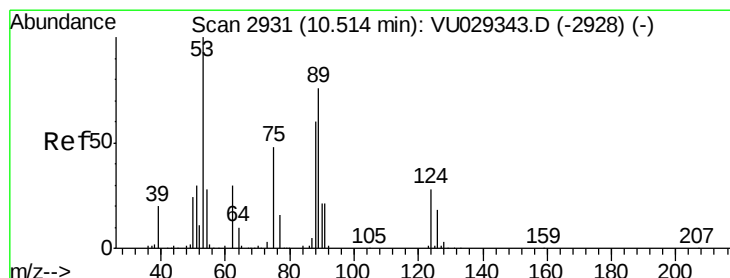
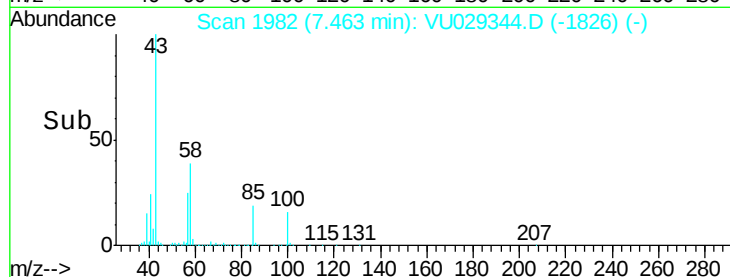
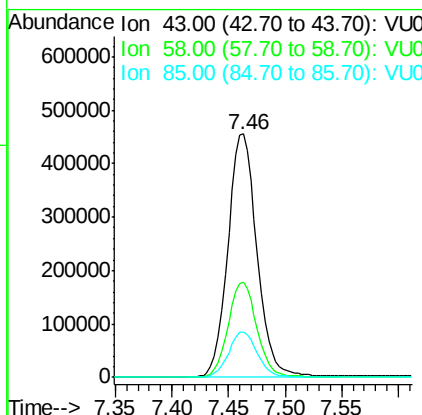
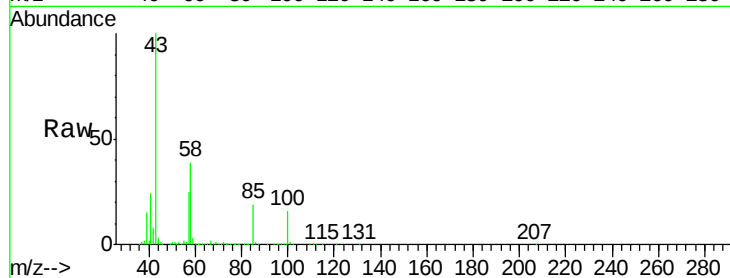
#45
4-Methyl-2-Pentanone
Concen: 77.802 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.0	17.6	52.8
85	18.5	12.3	18.5

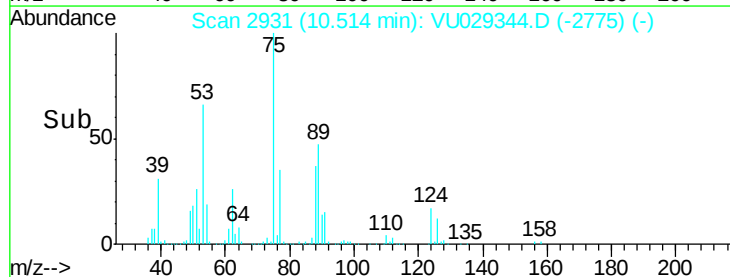
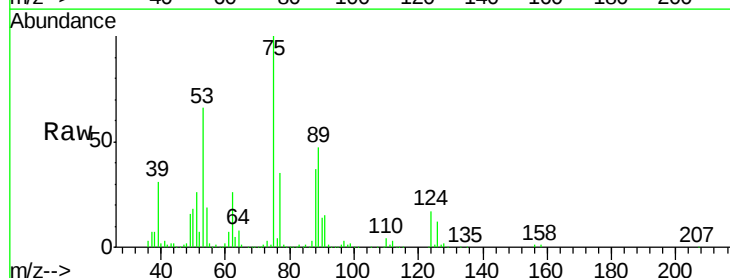
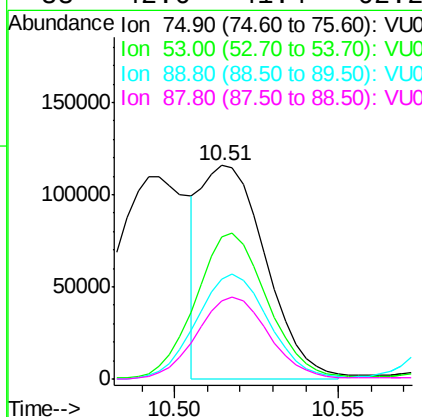
Manual Integrations
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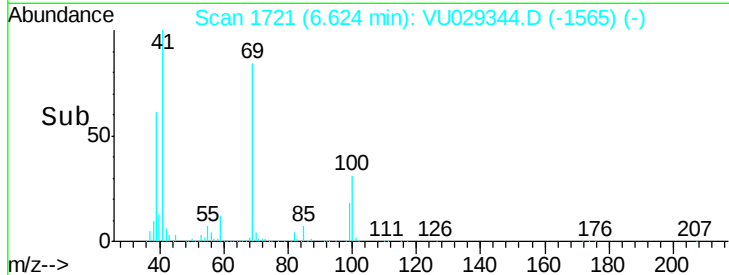
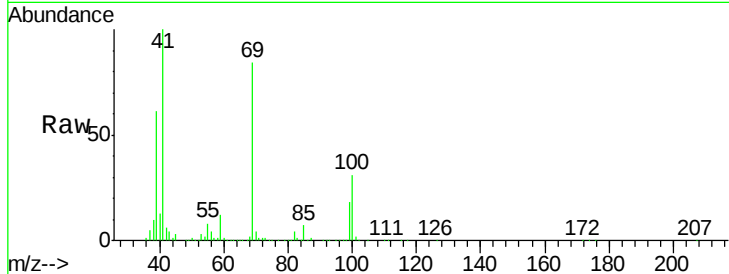
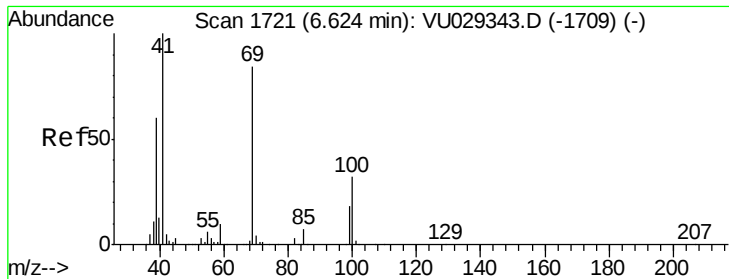
sam
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#46
t-1,4-Dichloro-2-butene
Concen: 31.849 ug/l m
RT: 10.51 min Scan# 2931
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
53	75.0	78.2	117.4
89	54.7	44.2	66.4
88	42.6	41.4	62.2





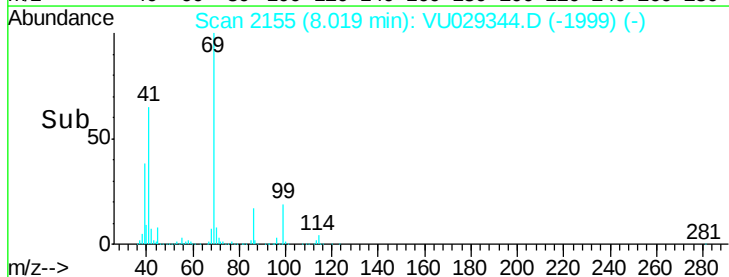
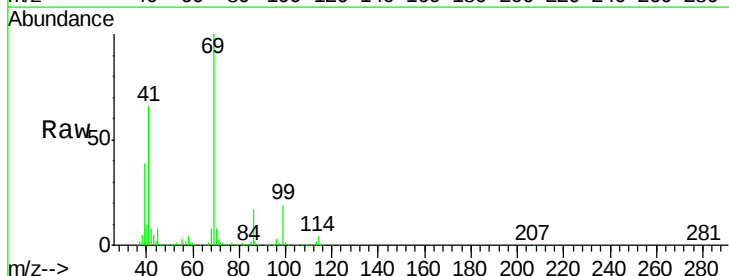
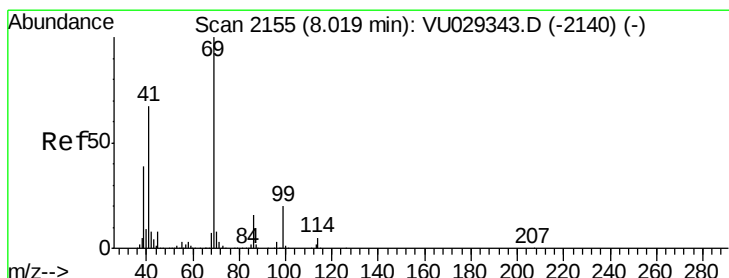
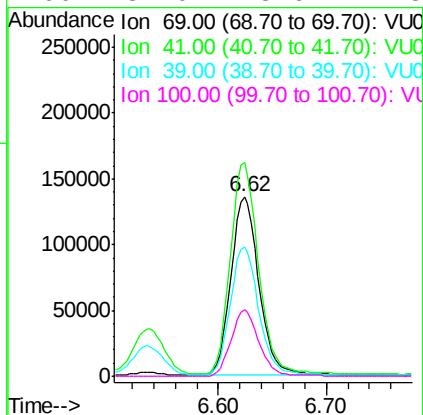
#47
Methyl methacrylate
Concen: 31.766 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		247655		
41	118.6	0.0	296.2		
39	73.3	71.2	106.8		
100	37.0	28.6	42.8		

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

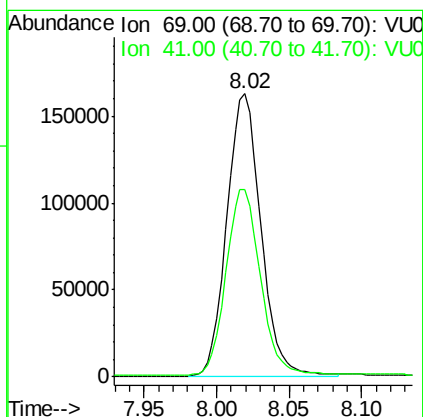
Manual Integrations
APPROVED

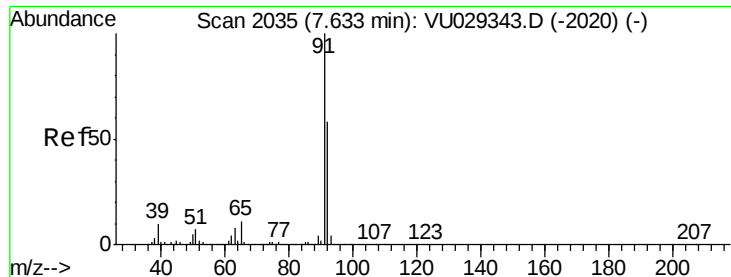
sam
2/8/2019 2:26:28 PM



#48
Ethyl methacrylate
Concen: 15.768 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		263729		
41	67.3	39.9	119.7		





#49

Toluene

Concen: 15.531 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 92 Resp: 635275

Ion Ratio Lower Upper

92 100

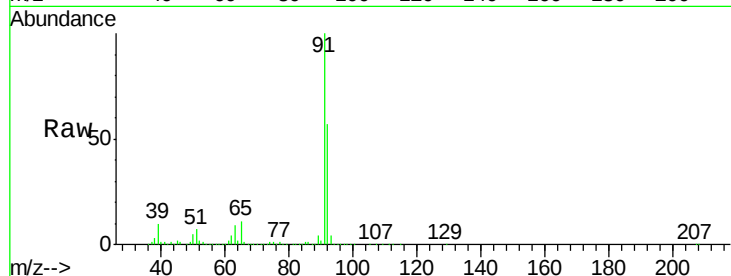
91 174.0 140.7 211.1

Manual Integrations

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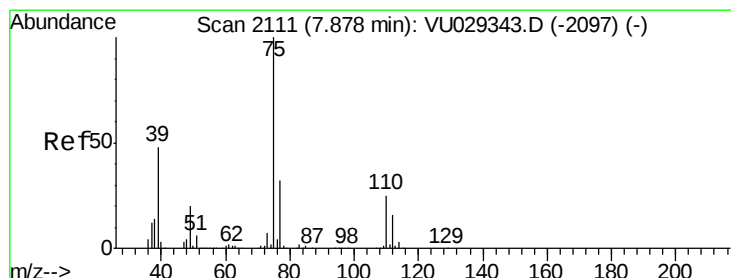
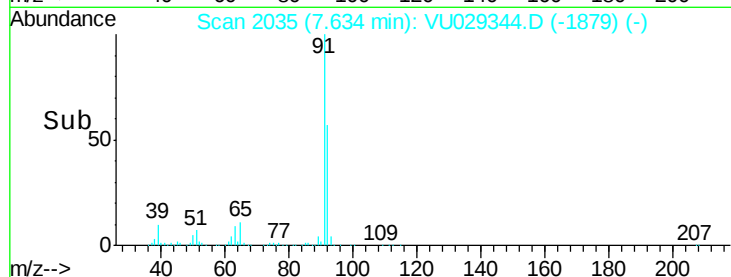
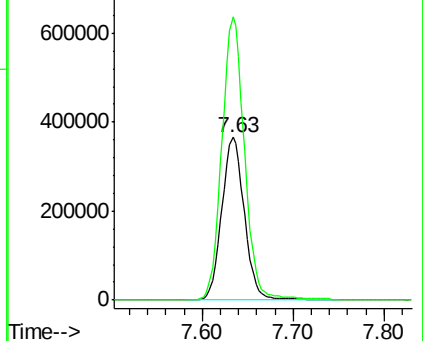
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Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 15.519 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029344.D

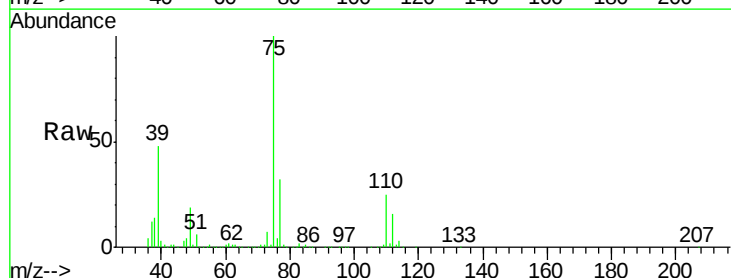
Acq: 05 Feb 2019 13:04

Tgt Ion: 75 Resp: 343477

Ion Ratio Lower Upper

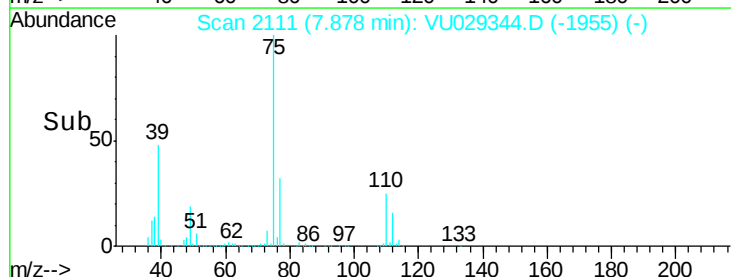
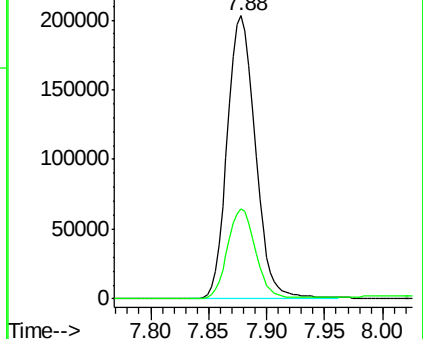
75 100

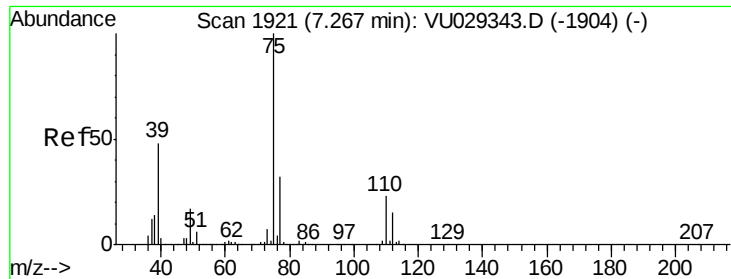
77 31.6 23.6 35.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#51

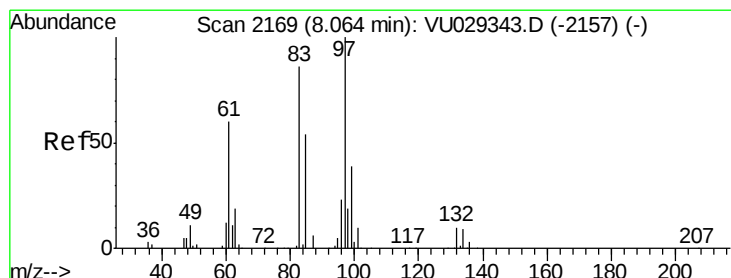
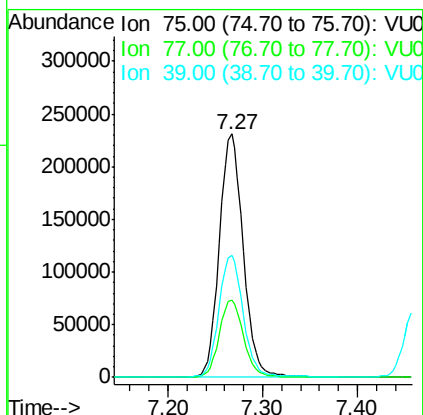
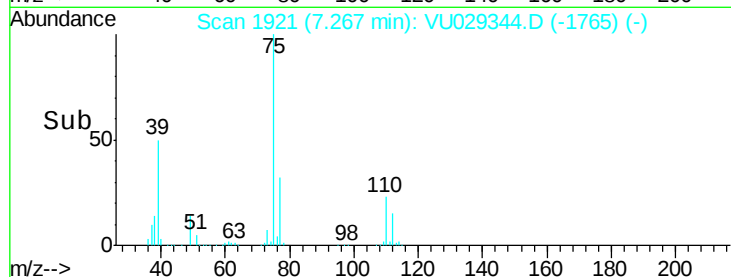
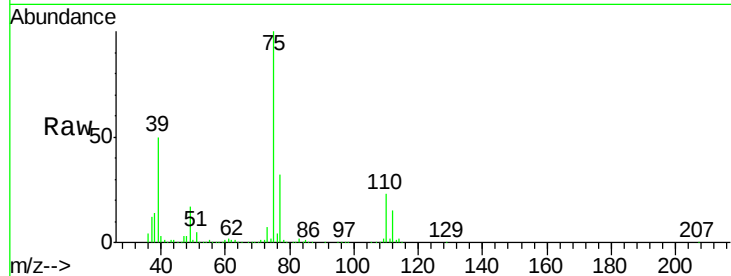
cis-1,3-Dichloropropene
Concen: 15.459 ug/l
RT: 7.27 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Instrument :
MSVOA_U
ClientSampled :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3
39	49.6	47.2	70.8

Manual Integrations
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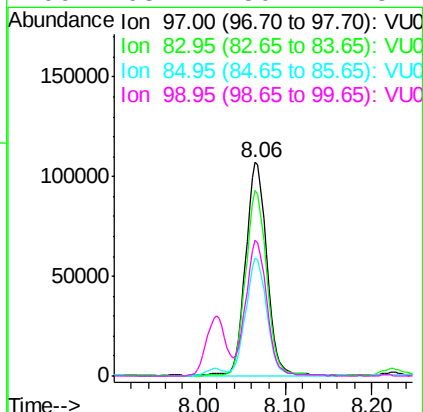
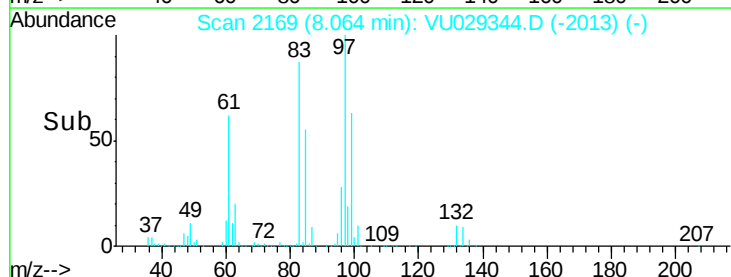
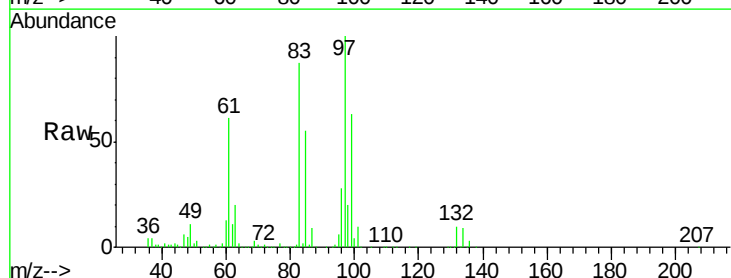
sam
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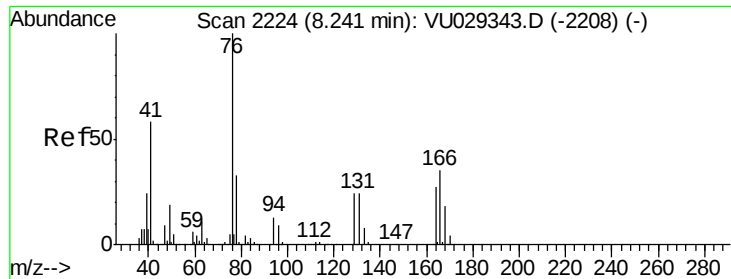


#52

1,1,2-Trichloroethane
Concen: 15.618 ug/l
RT: 8.06 min Scan# 2169
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.9	104.9
85	55.1	45.8	68.6
99	63.2	50.2	75.2





#53

1,3-Dichloropropane

Concen: 15.407 ug/l

RT: 8.24 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

ClientSampled :

VSTDIC015

Tot Ion: 76 Resp: 317504

Ion Ratio Lower Upper

76 100

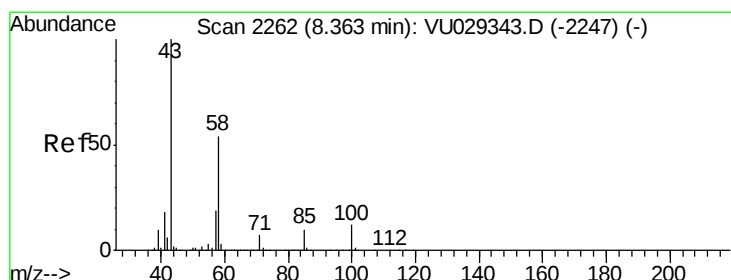
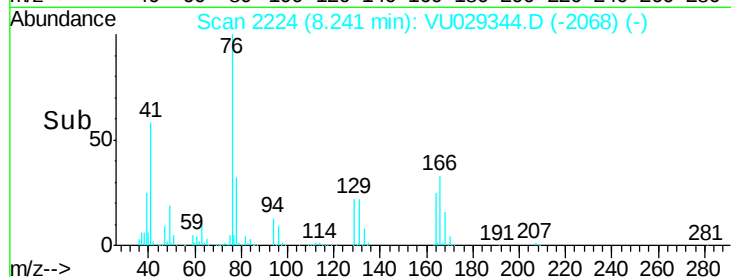
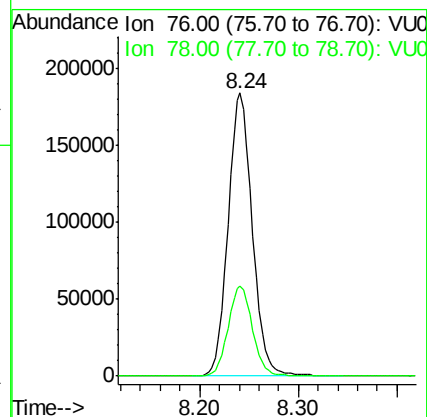
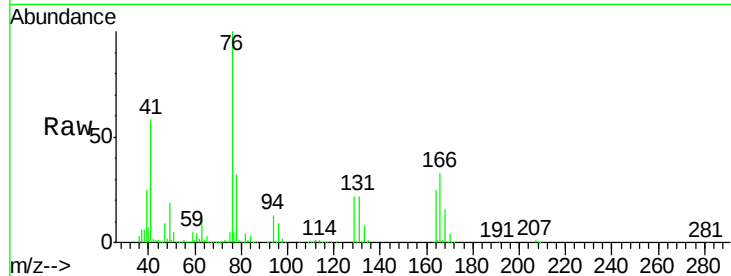
78 31.9 26.3 39.5

Manual Integrations

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sam

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#54

2-Hexanone

Concen: 80.429 ug/l

RT: 8.36 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

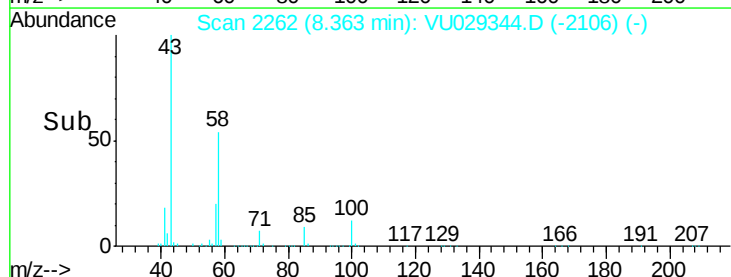
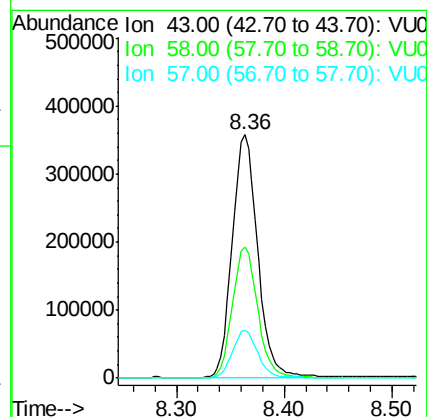
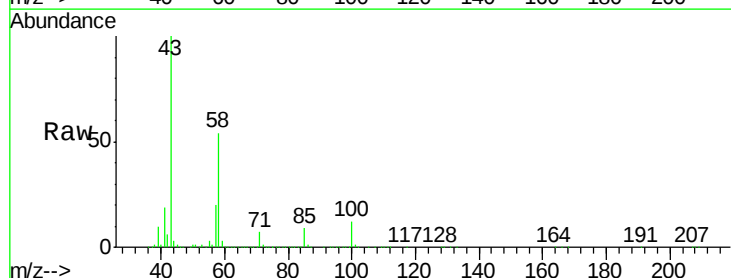
Tgt Ion: 43 Resp: 585606

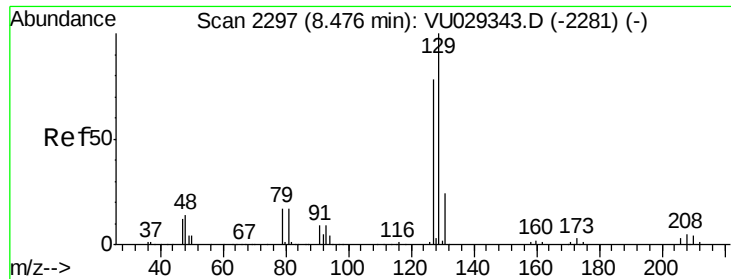
Ion Ratio Lower Upper

43 100

58 54.1 26.0 66.0

57 19.4 0.0 37.7





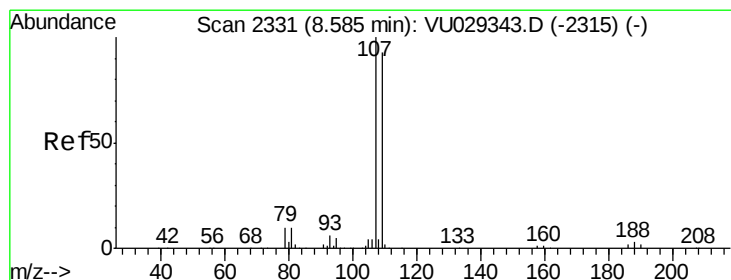
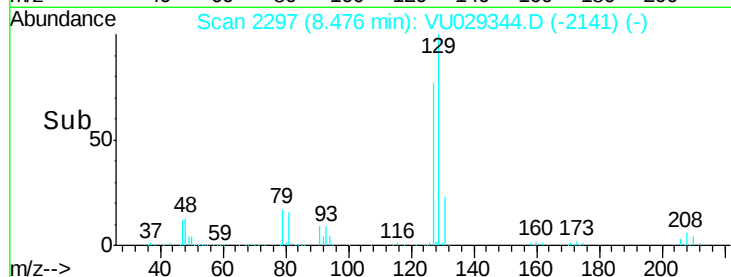
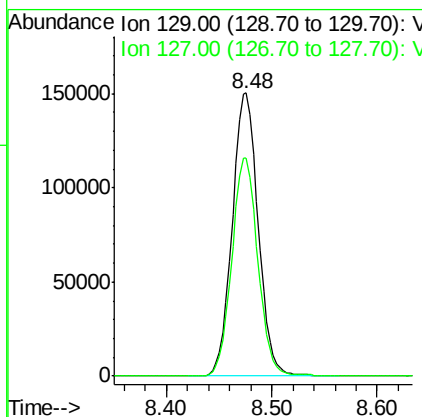
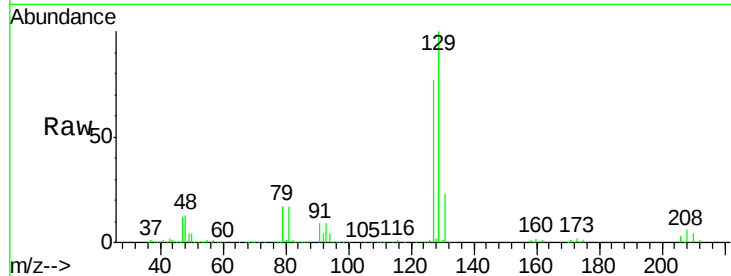
#55
 Dibromochloromethane
 Concen: 15.291 ug/l
 RT: 8.48 min Scan# 2297
 Delta R.T. 0.00 min
 Lab File: VU029344.D
 Acq: 05 Feb 2019 13:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		254962		
127	77.5		60.5	90.7	

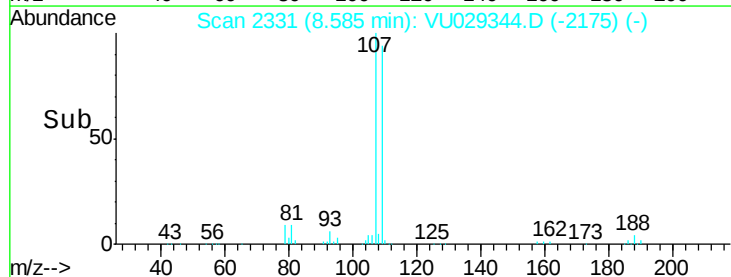
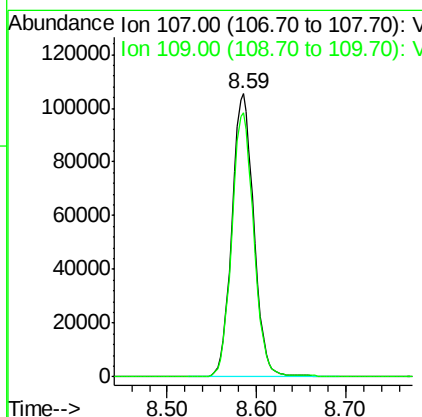
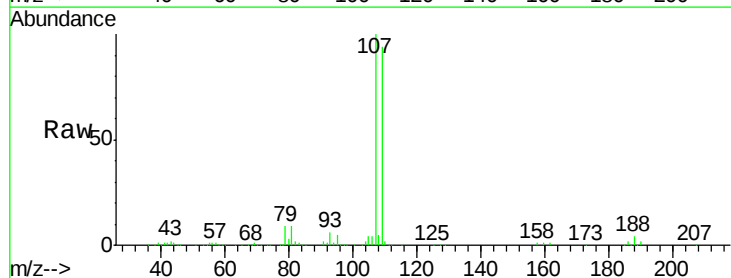
Manual Integrations
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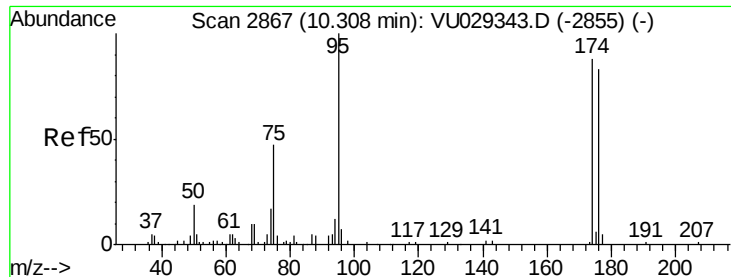
sam
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#56
 1,2-Dibromoethane
 Concen: 14.867 ug/l
 RT: 8.59 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU029344.D
 Acq: 05 Feb 2019 13:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		178936		
109	93.9		0.0	189.6	





#57

4-Bromofluorobenzene

Concen: 14.867 ug/l

RT: 10.31 min Scan# 2866

Delta R.T. -0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

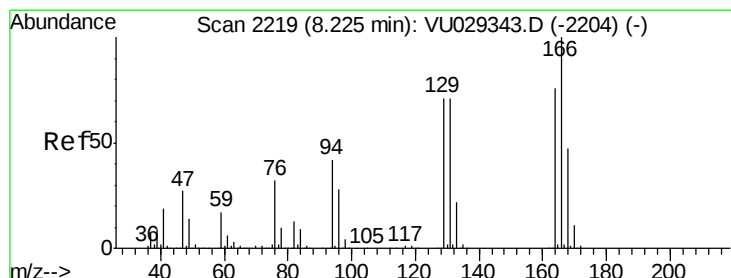
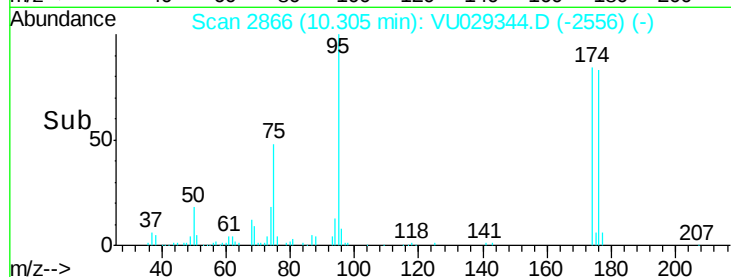
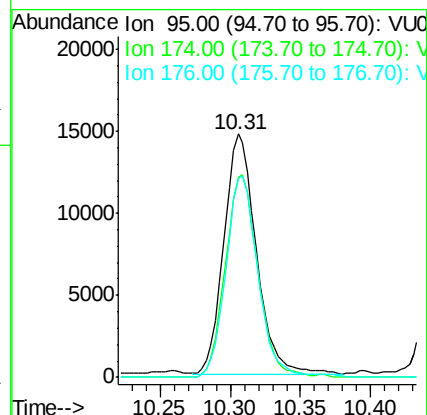
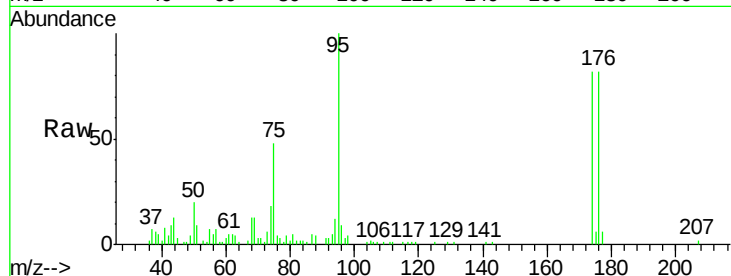
ClientSampleId :

VSTDIC015

Tot Ion:	95	Resp:	23374
Ion	Ratio	Lower	Upper
95	100		
174	84.8	64.2	96.2
176	83.3	62.3	93.5

Manual Integrations
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sam
2/8/2019 2:26:28 PM



#58

Tetrachloroethene

Concen: 15.422 ug/l

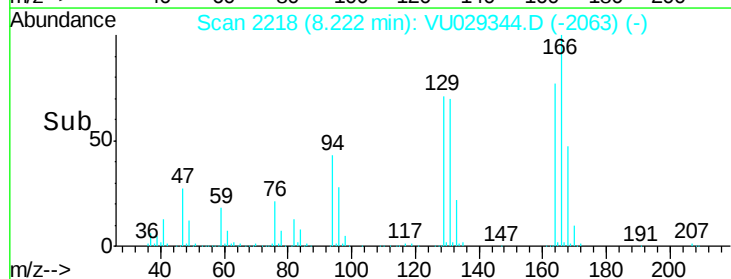
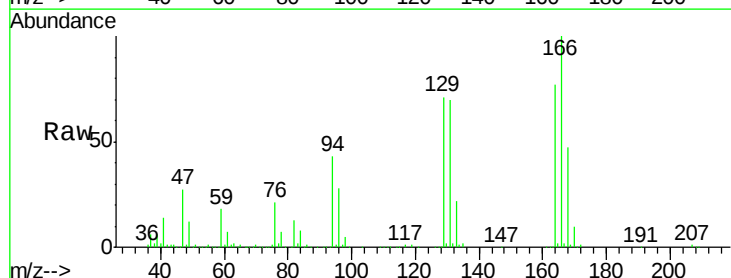
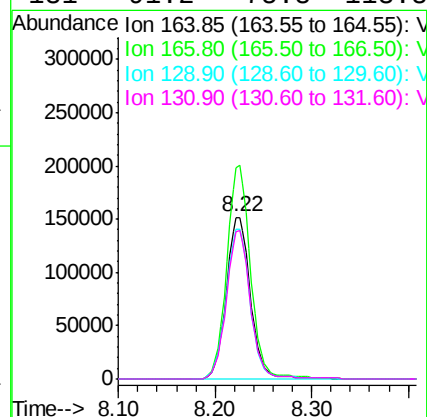
RT: 8.22 min Scan# 2218

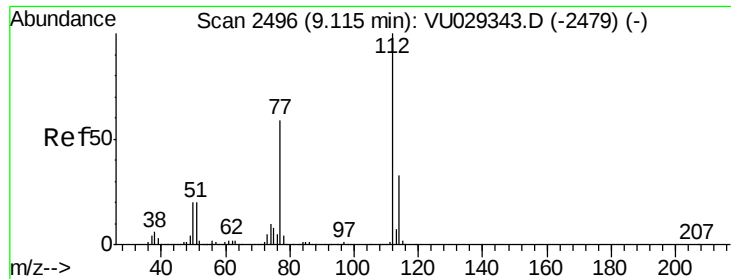
Delta R.T. -0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Tgt Ion:	164	Resp:	263219
Ion	Ratio	Lower	Upper
164	100		
166	130.7	106.6	159.8
129	92.7	79.9	119.9
131	91.2	75.8	113.8





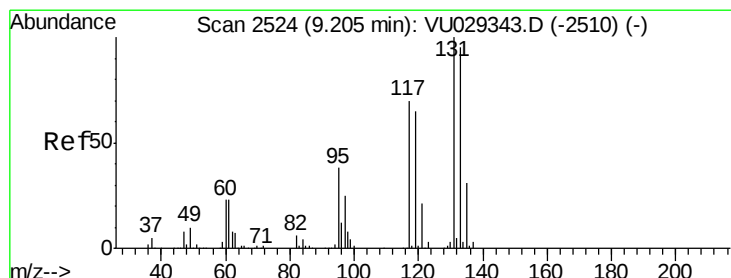
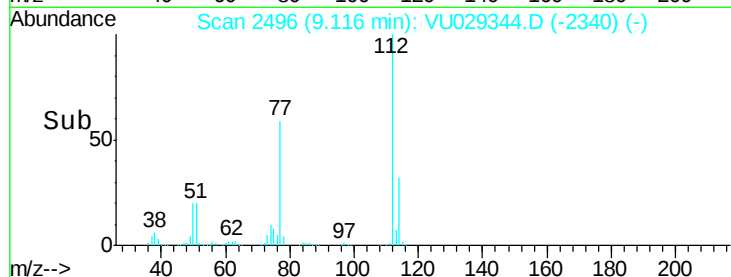
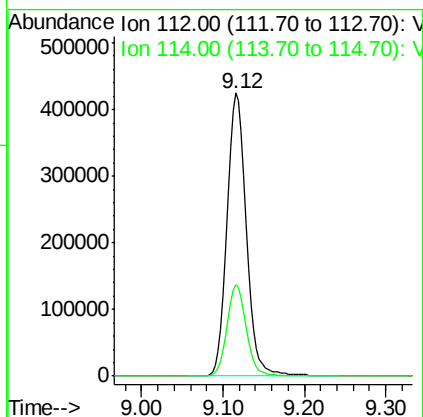
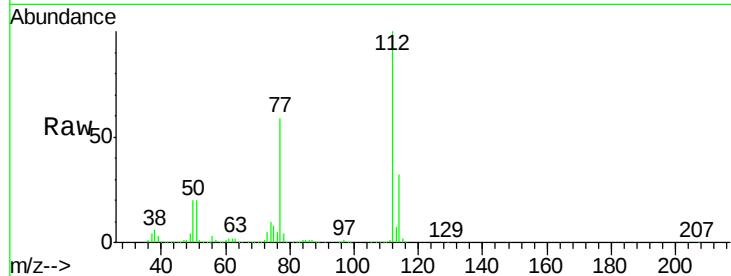
#59
Chlorobenzene
Concen: 15.563 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Resp	Lower	Upper
112	100	717129		
114	32.4	26.2	39.4	

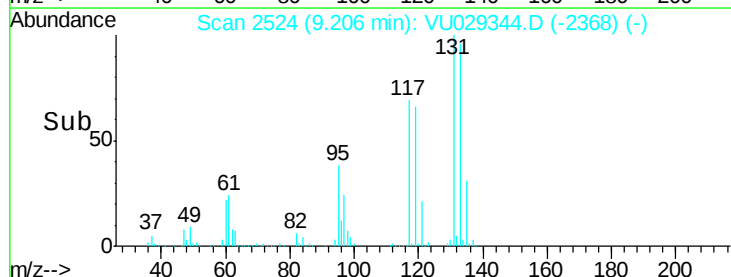
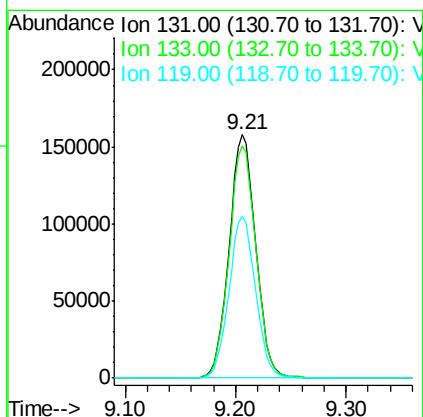
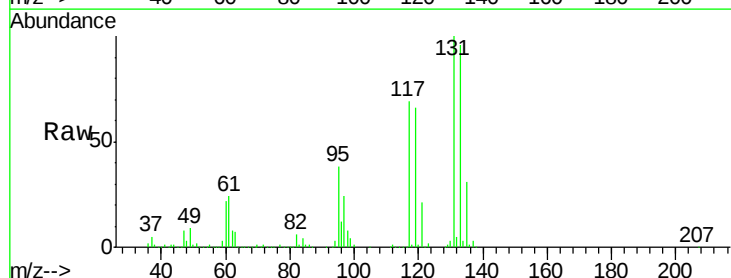
Manual Integrations
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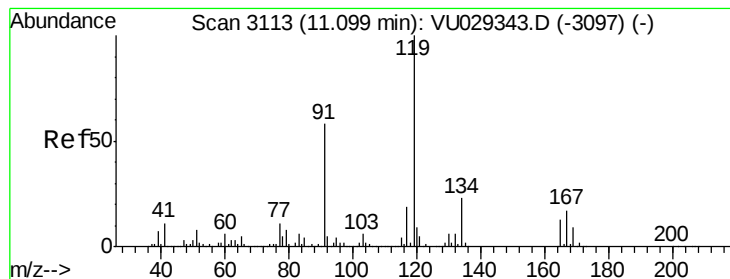
sam
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#60
1,1,1,2-Tetrachloroethane
Concen: 15.534 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	264480		
133	96.2	77.3	115.9	
119	66.4	48.9	73.3	





#61

Pentachloroethane

Concen: 15.945 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:117 Resp: 210414

Ion Ratio Lower Upper

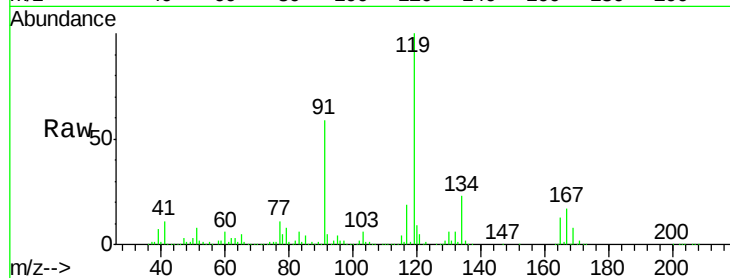
117 100

167 93.2 65.9 98.9

Manual Integrations
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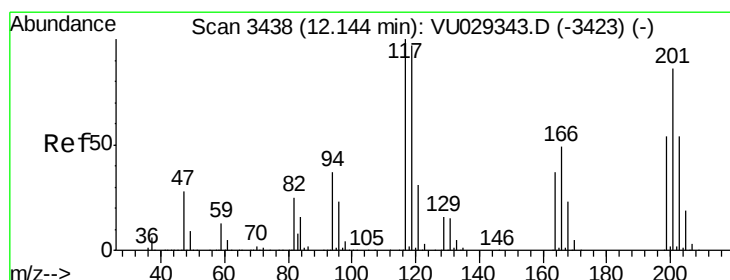
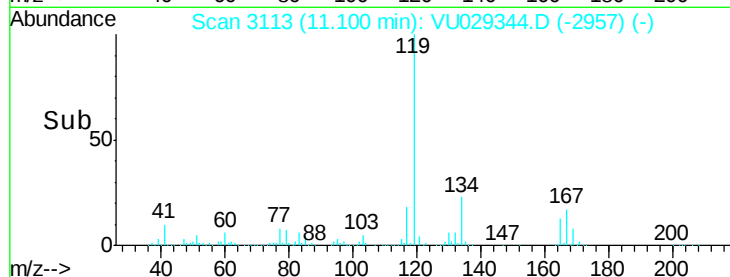
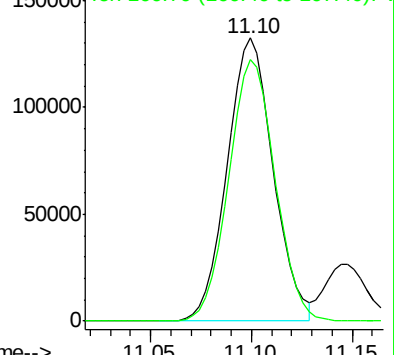
sam

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 16.471 ug/l

RT: 12.14 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VU029344.D

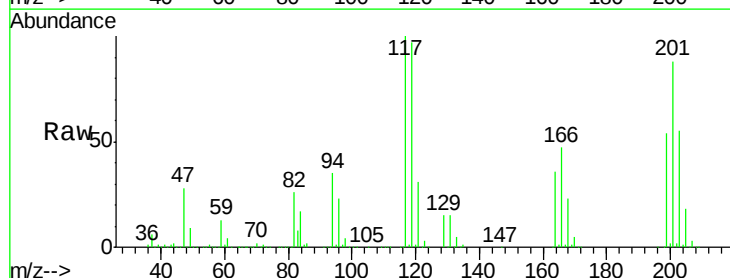
Acq: 05 Feb 2019 13:04

Tgt Ion:117 Resp: 237215

Ion Ratio Lower Upper

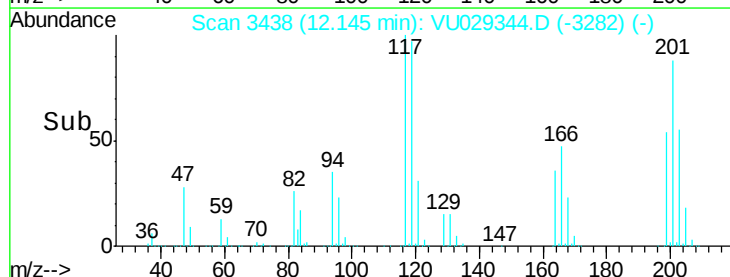
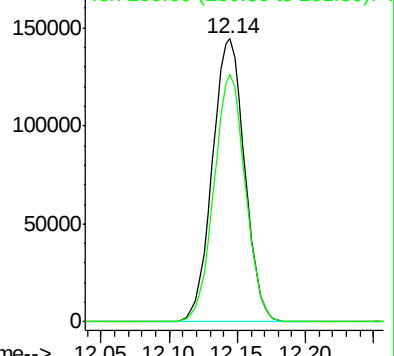
117 100

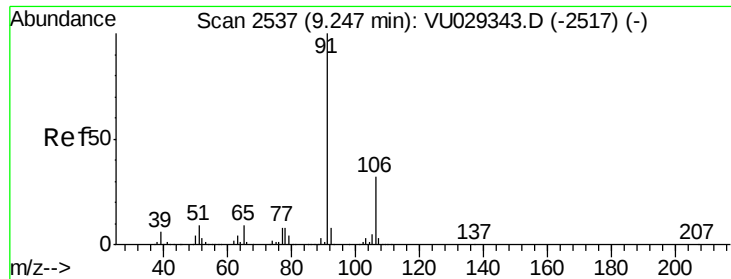
201 85.1 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 15.645 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 1251900

Ion Ratio Lower Upper

91 100

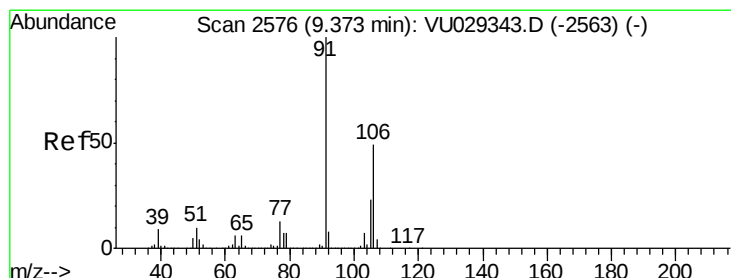
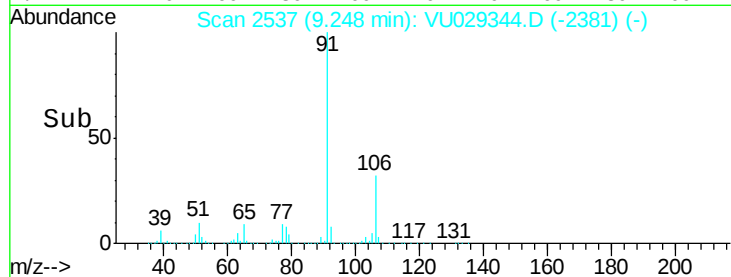
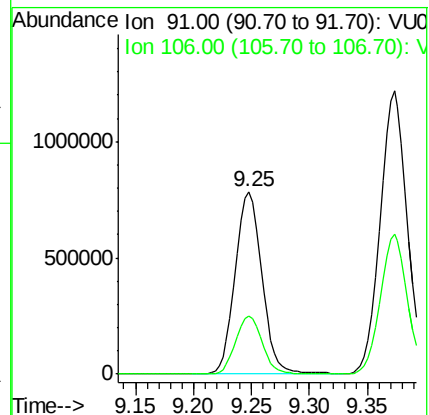
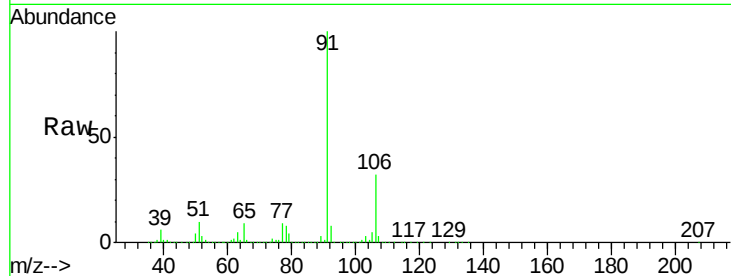
106 32.0 23.8 35.6

Manual Integrations

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#64

m/p-Xylenes

Concen: 31.828 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029344.D

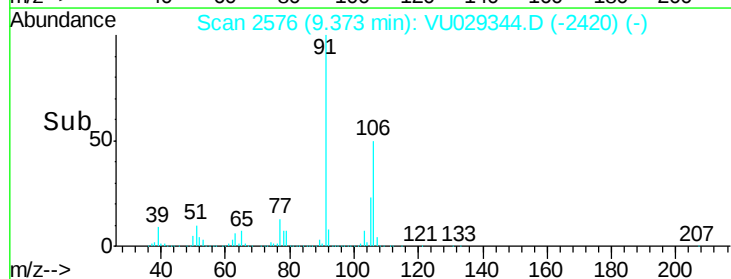
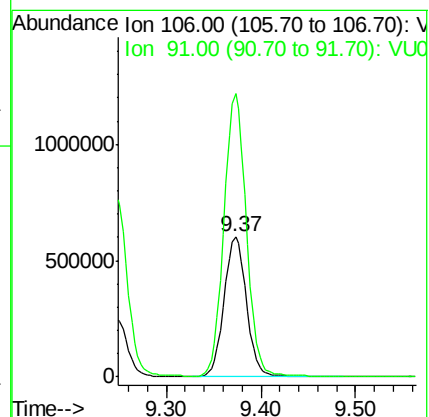
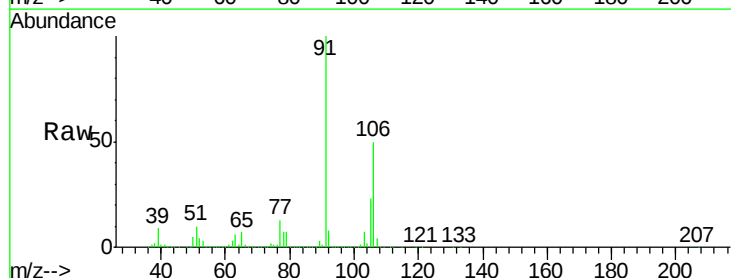
Acq: 05 Feb 2019 13:04

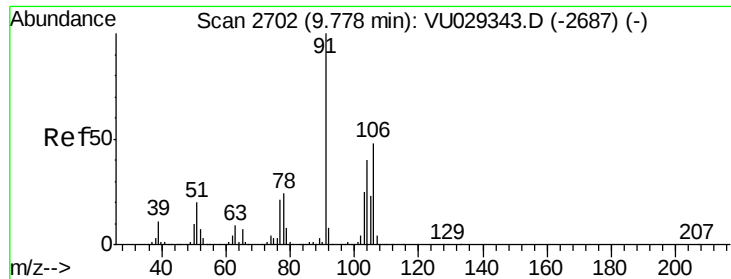
Tgt Ion: 106 Resp: 989748

Ion Ratio Lower Upper

106 100

91 203.4 174.6 261.8





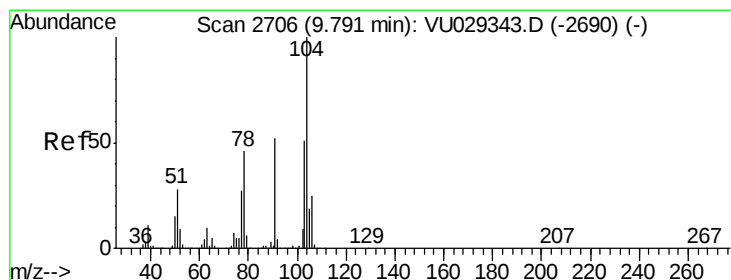
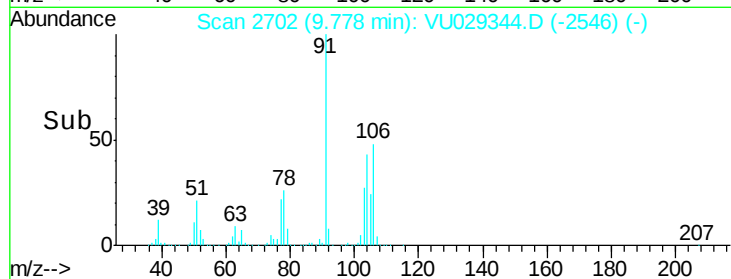
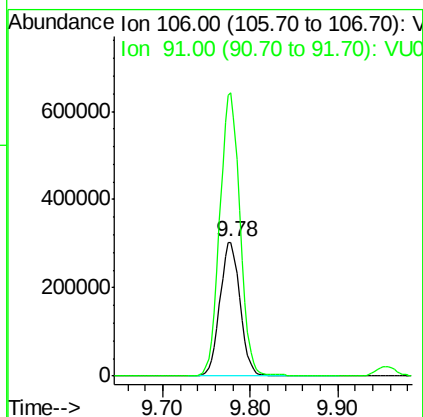
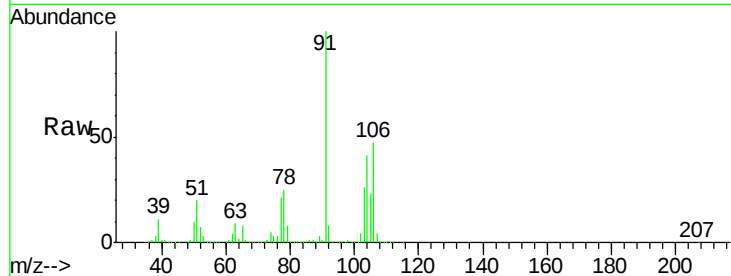
#65
o-Xylene
Concen: 16.007 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Instrument :
MSVOA_U
ClientSampled :
VSTDIC015

Tot Ion	Ratio	Resp	Lower	Upper
106	100	488607		
91	211.6	114.5	343.4	

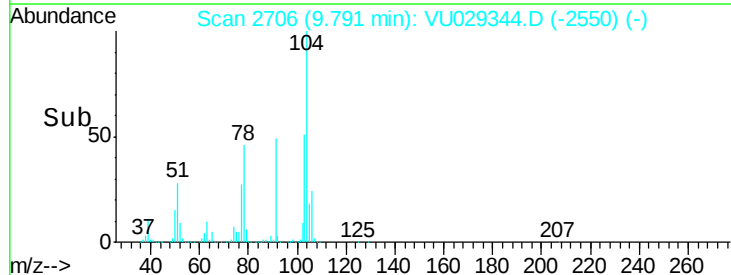
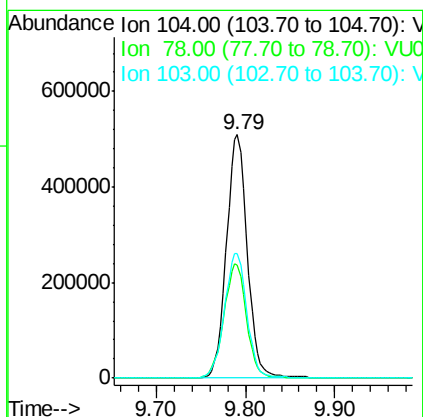
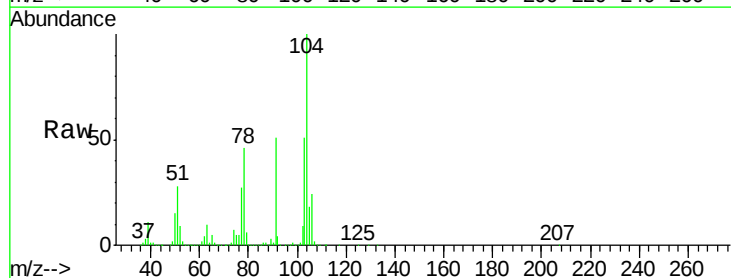
Manual Integrations
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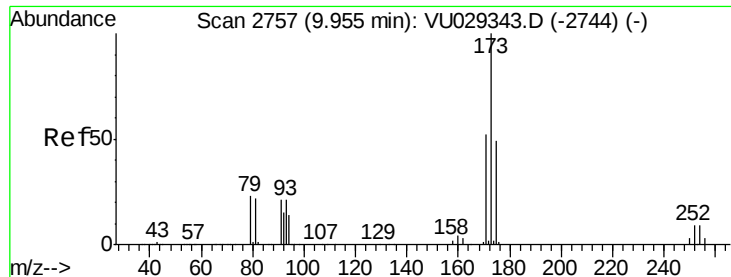
sam
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#66
Styrene
Concen: 16.286 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	828684		
78	50.9	46.5	69.7	
103	55.4	44.7	67.1	





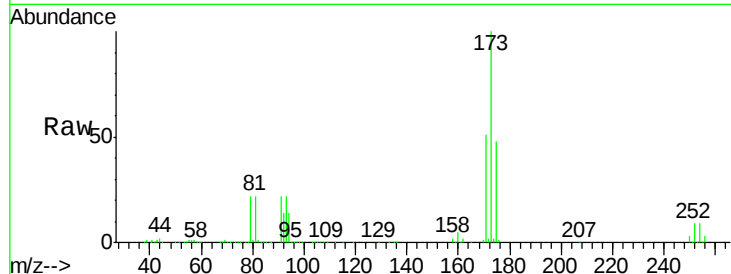
#67
Bromoform
Concen: 16.021 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

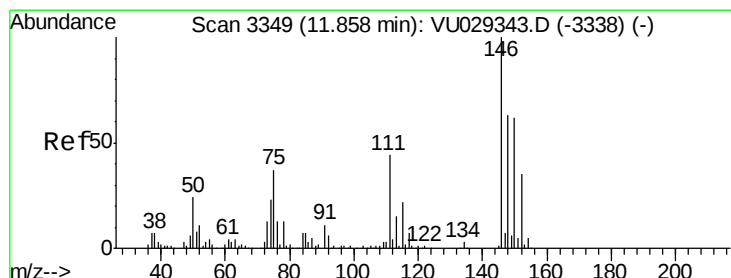
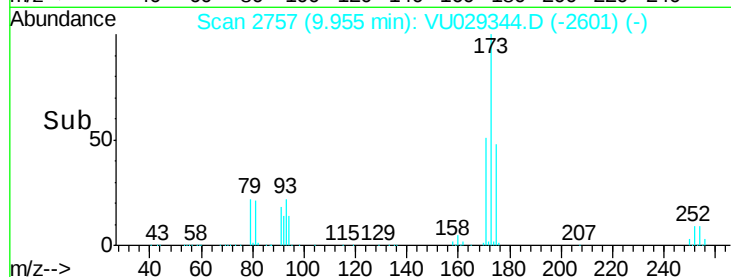
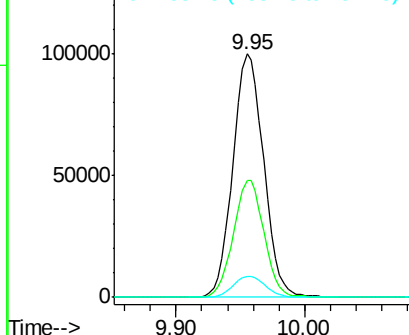
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.9	58.3
254	9.0	7.4	11.2

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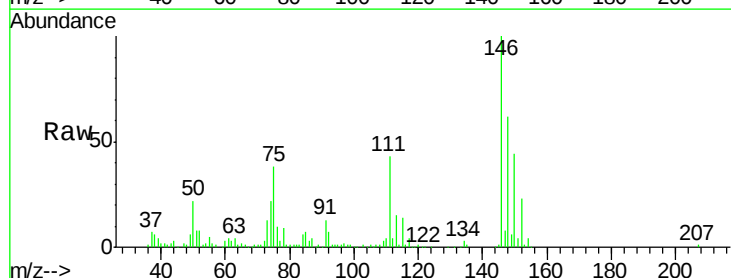


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

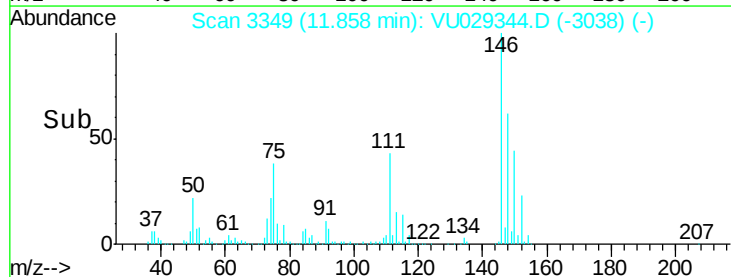
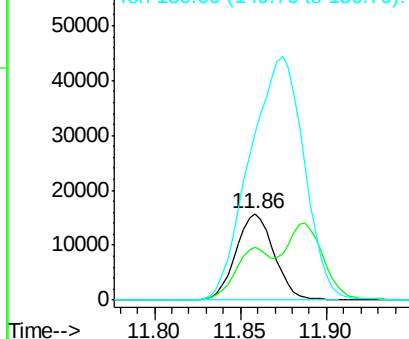


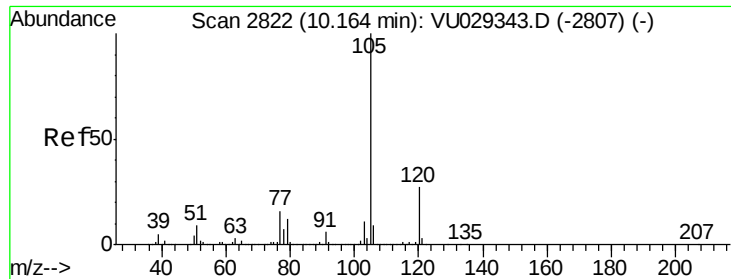
#68
1,2-Dichlorobenzene-d4
Concen: 16.021 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	0.0	133.4
150	0.0	0.0	670.8



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





#69

Isopropylbenzene

Concen: 15.953 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 1300972

Ion Ratio Lower Upper

105 100

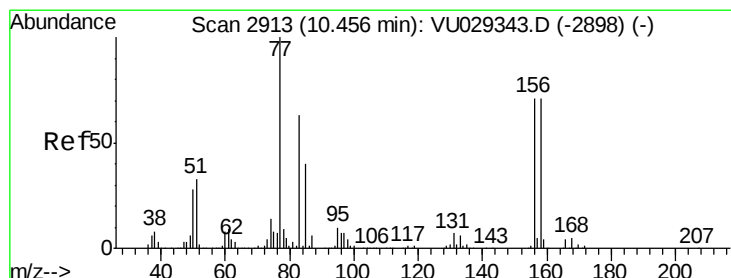
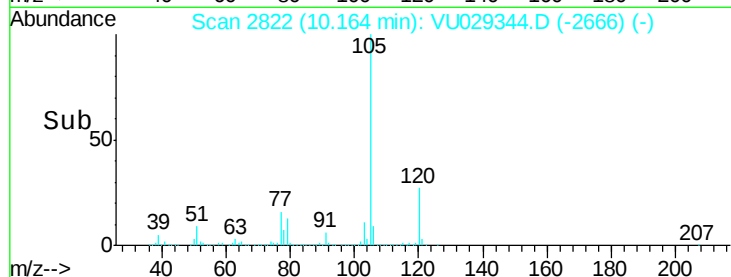
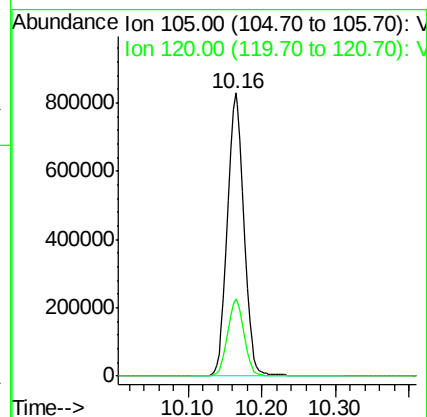
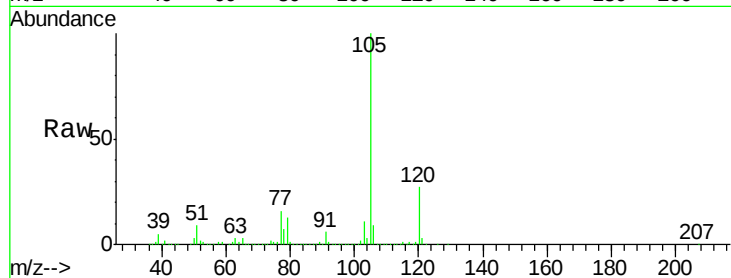
120 27.1 12.6 37.6

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#70

1,1,2,2-Tetrachloroethane

Concen: 15.782 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

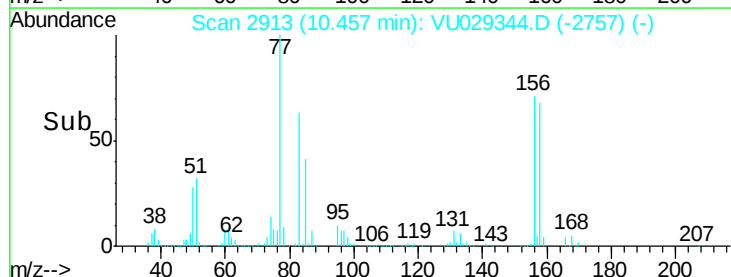
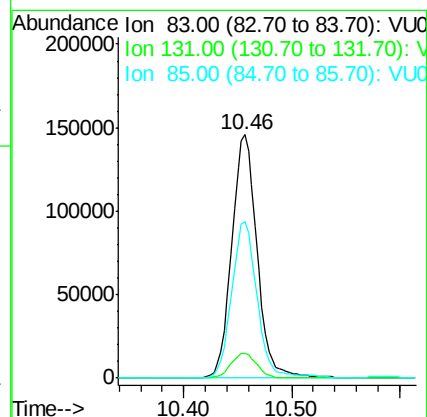
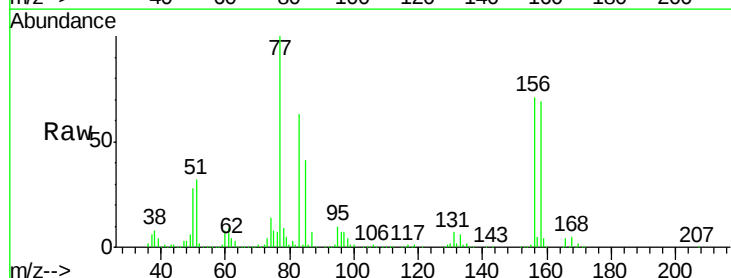
Tgt Ion: 83 Resp: 237282

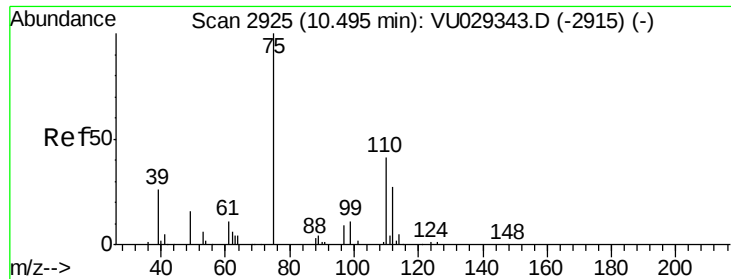
Ion Ratio Lower Upper

83 100

131 10.7 8.1 12.1

85 64.7 50.3 75.5





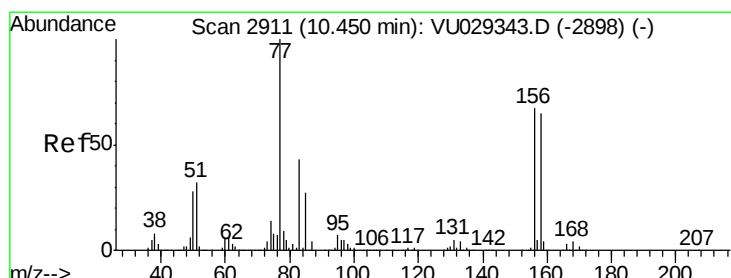
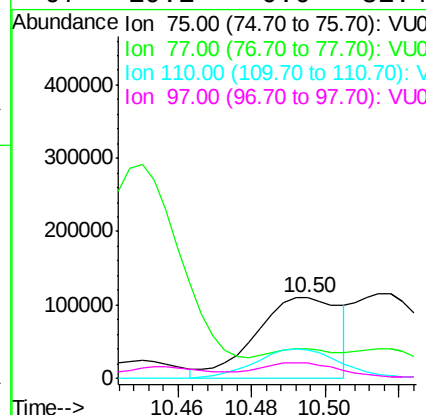
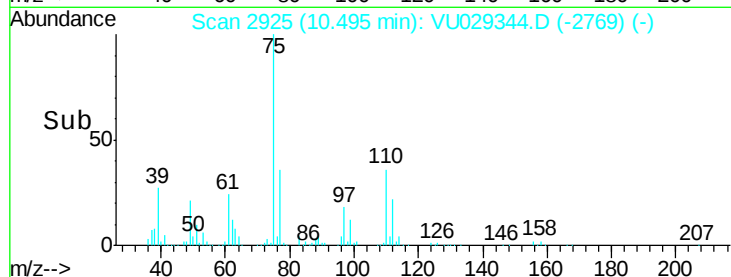
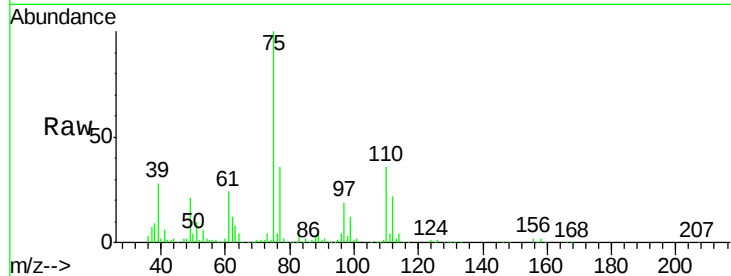
#71
1,2,3-Trichloropropane
Concen: 16.677 ug/l m
RT: 10.50 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	100		175460		
77	0.0	0.0	0.0		
110	37.4	0.0	63.6		
97	19.1	0.0	31.4		

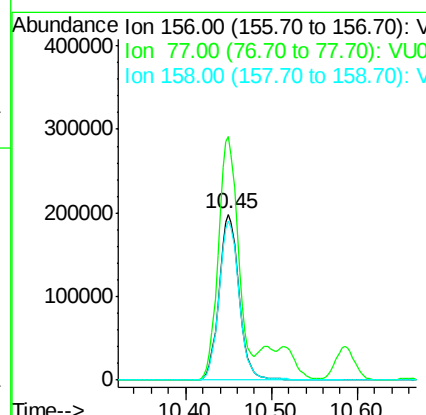
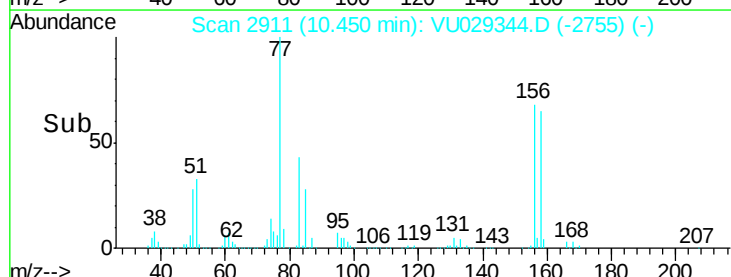
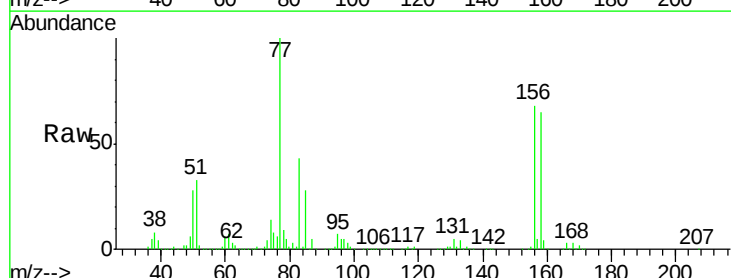
Manual Integrations
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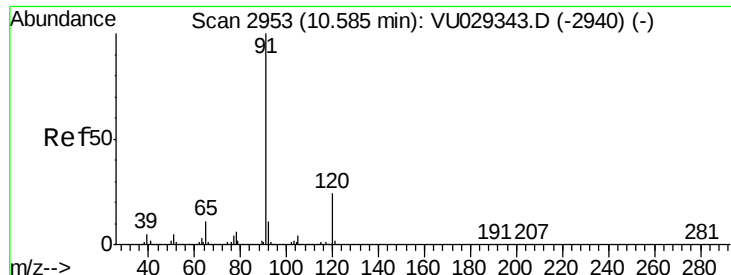
sam
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#72
Bromobenzene
Concen: 16.242 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
156	100		321046		
77	146.9	0.0	343.8		
158	96.9	0.0	195.0		





#73

n-propylbenzene

Concen: 16.146 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:120 Resp: 366748

Ion Ratio Lower Upper

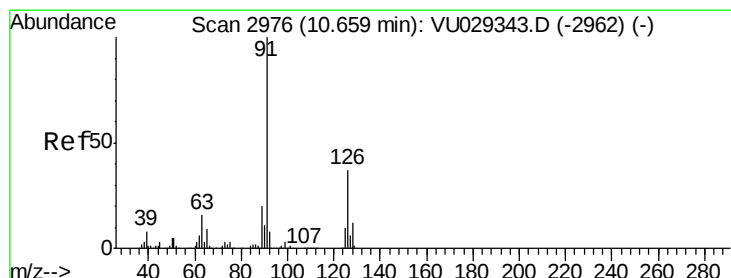
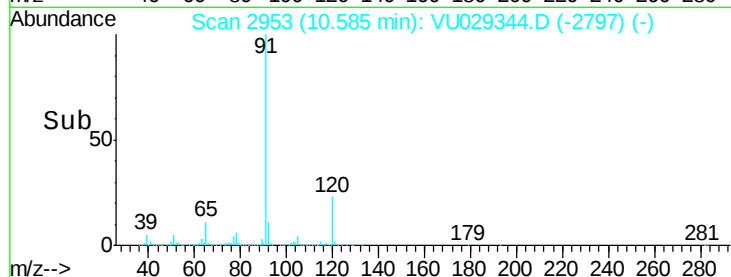
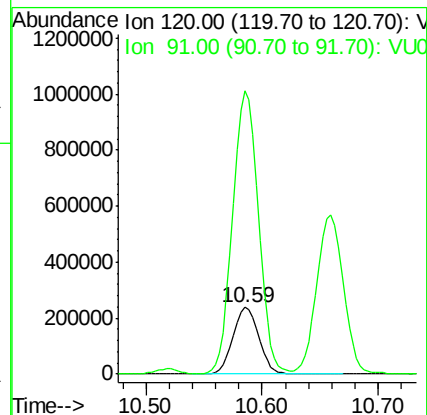
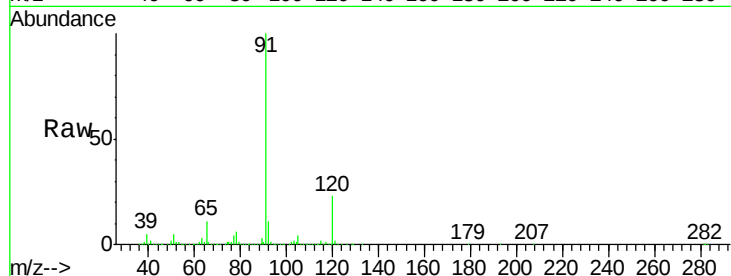
120 100

91 421.1 370.0 555.0

Manual Integrations
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#74

2-Chlorotoluene

Concen: 15.970 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029344.D

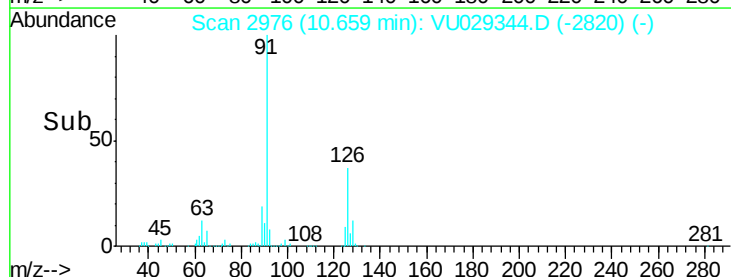
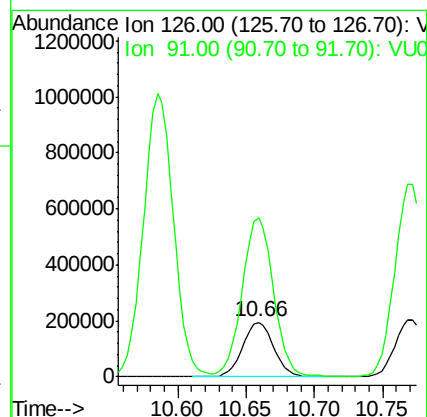
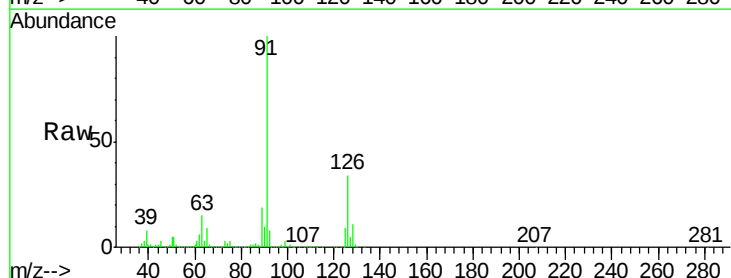
Acq: 05 Feb 2019 13:04

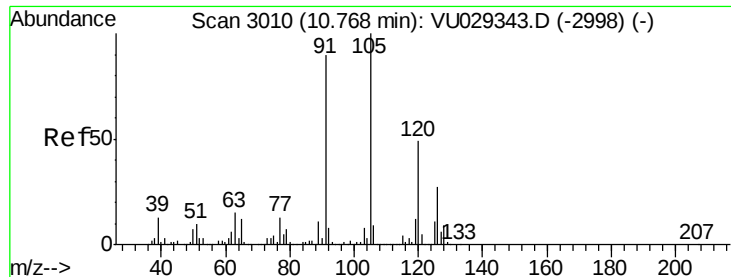
Tgt Ion:126 Resp: 308897

Ion Ratio Lower Upper

126 100

91 293.2 0.0 643.0





#75

1,3,5-Trimethylbenzene

Concen: 16.202 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 1139136

Ion Ratio Lower Upper

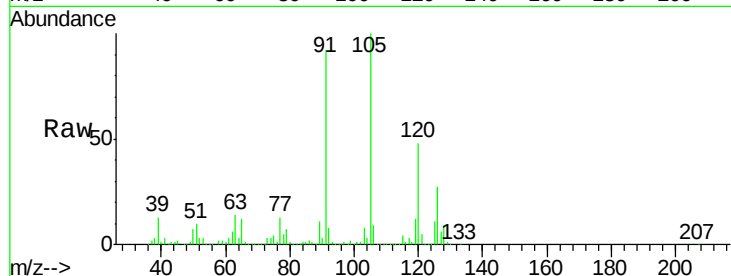
105 100

120 48.5 37.3 55.9

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

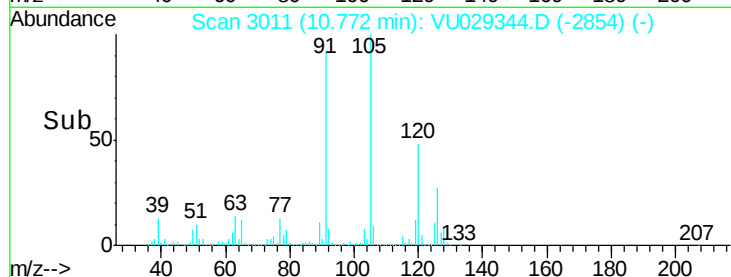
200000

0

10.77

10.70 10.80 10.90

Time-->



#76

4-Chlorotoluene

Concen: 16.079 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029344.D

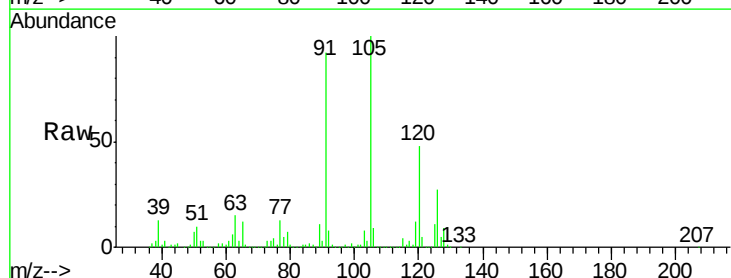
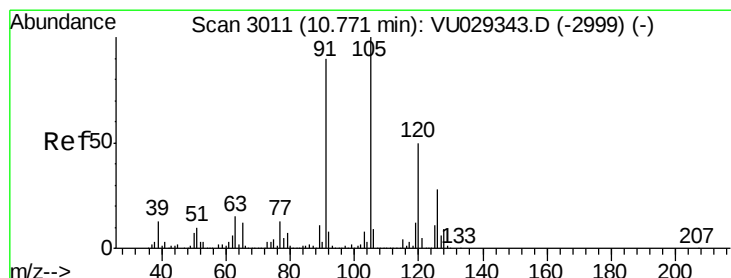
Acq: 05 Feb 2019 13:04

Tgt Ion:126 Resp: 322776

Ion Ratio Lower Upper

126 100

91 334.8 0.0 727.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

800000

600000

400000

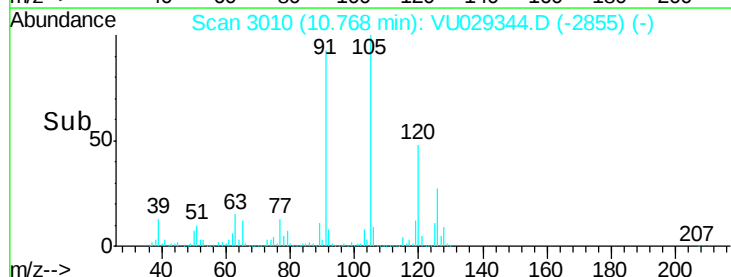
200000

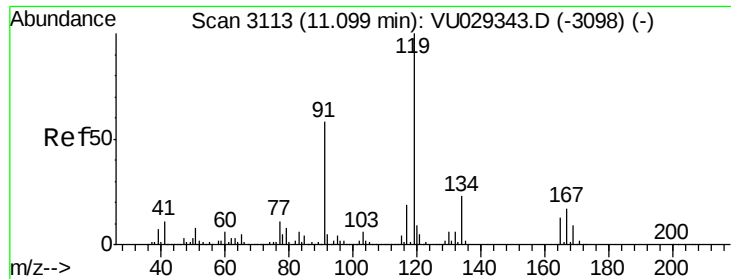
0

10.77

10.70 10.80 10.90

Time-->





#77

tert-Butylbenzene

Concen: 16.133 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:119 Resp: 1121163

Ion Ratio Lower Upper

119 100

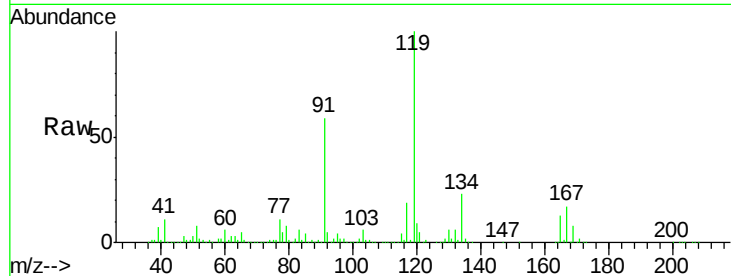
91 58.5 32.2 96.6

134 22.6 17.6 26.4

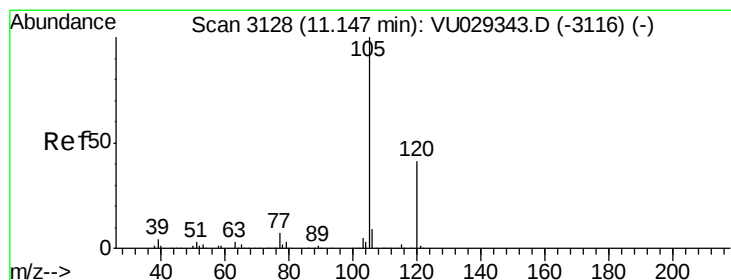
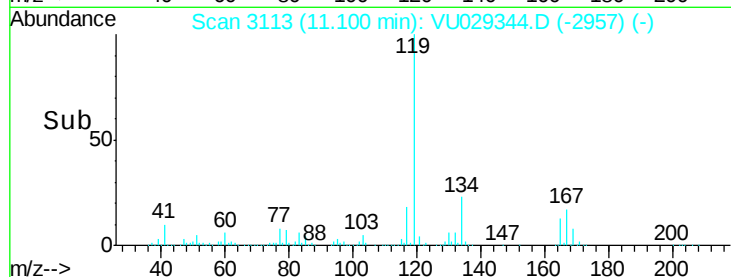
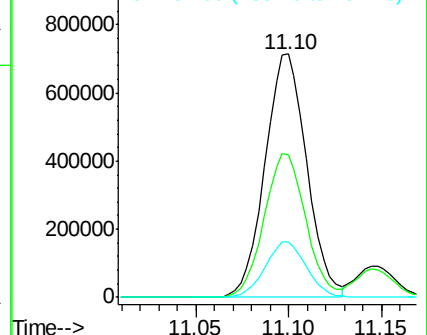
Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 16.251 ug/l

RT: 11.15 min Scan# 3128

Delta R.T. 0.00 min

Lab File: VU029344.D

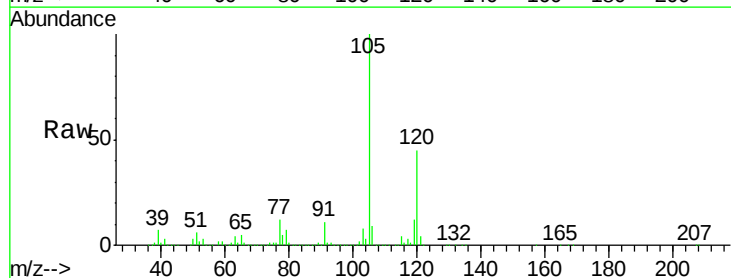
Acq: 05 Feb 2019 13:04

Tgt Ion:105 Resp: 1156786

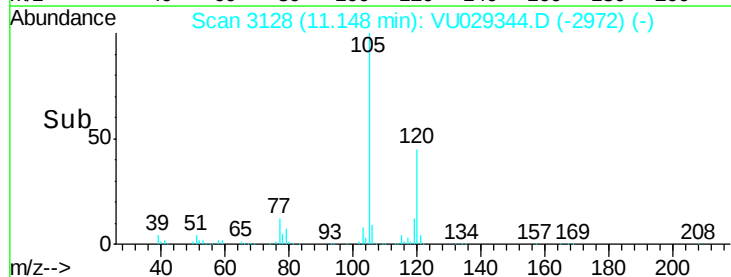
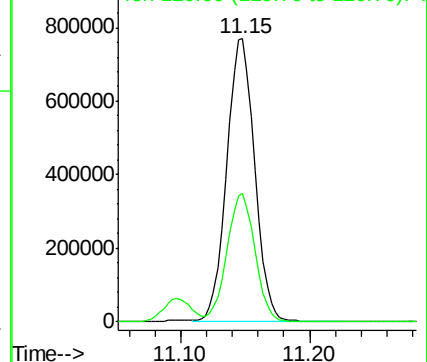
Ion Ratio Lower Upper

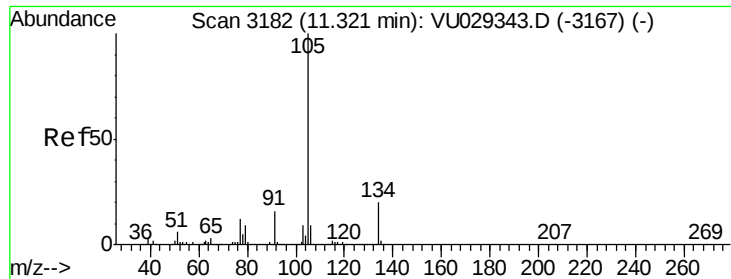
105 100

120 45.5 21.4 64.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 16.128 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 1466545

Ion Ratio Lower Upper

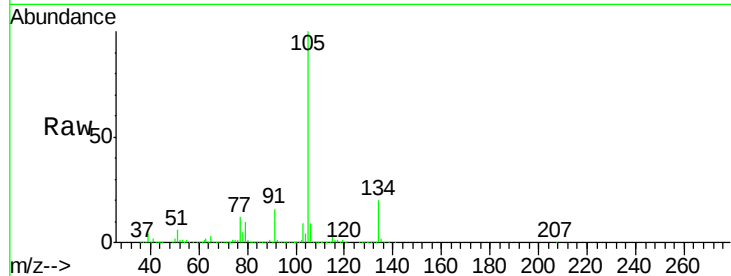
105 100

134 20.4 15.0 22.6

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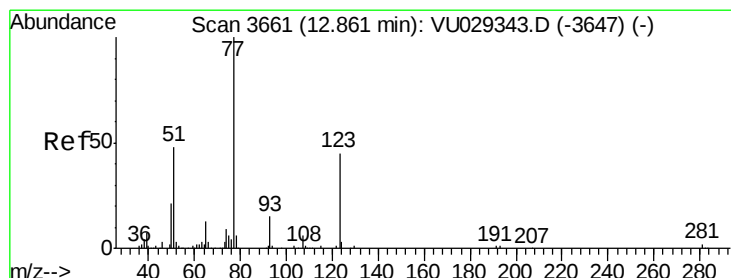
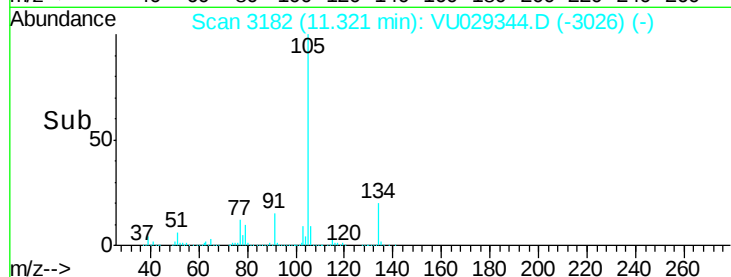
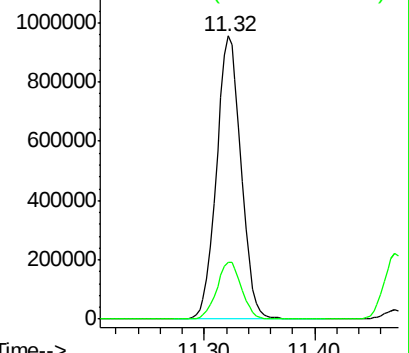
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 97.618 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

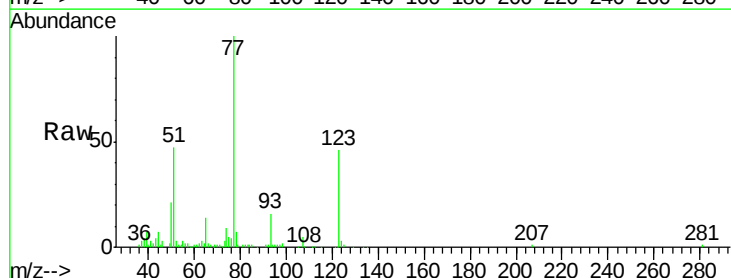
Tgt Ion: 77 Resp: 64815

Ion Ratio Lower Upper

77 100

123 45.6 17.5 61.9

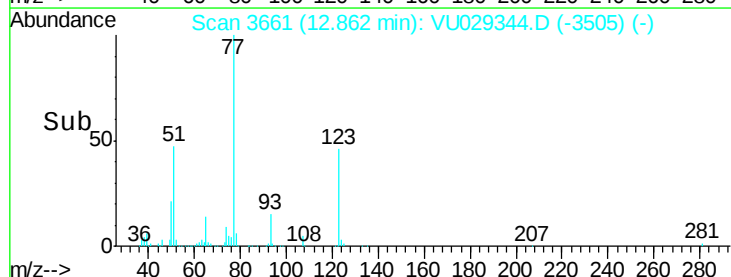
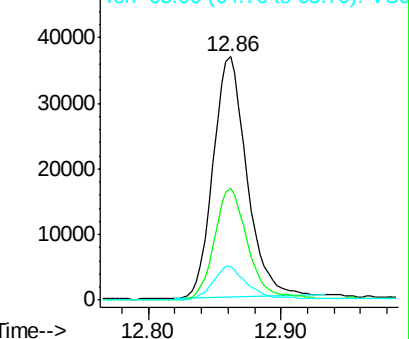
65 14.1 10.8 13.8#

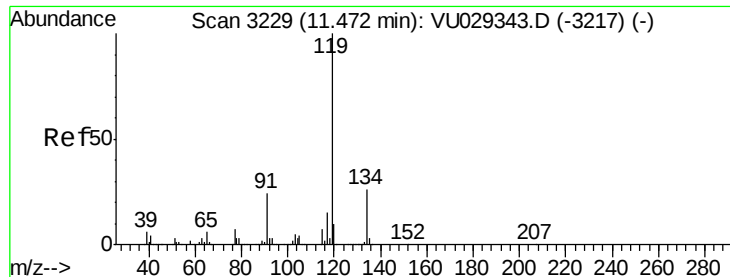


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





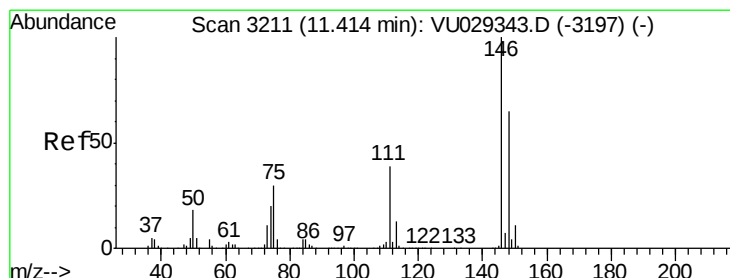
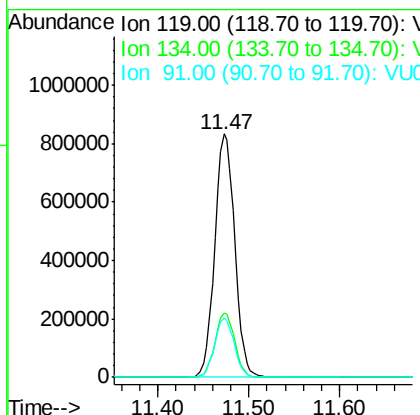
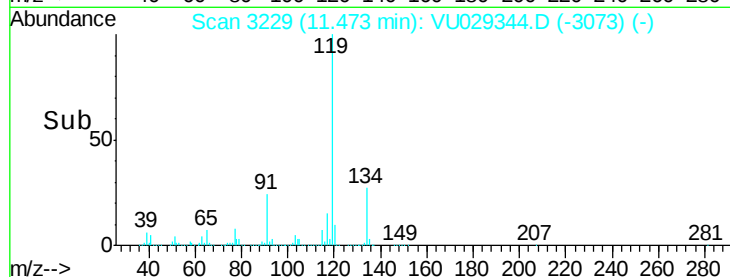
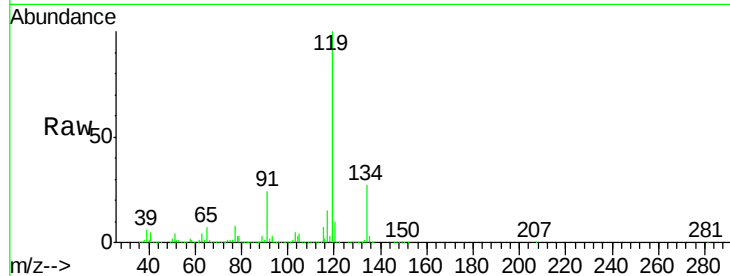
#81
p-Isopropyltoluene
Concen: 16.412 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	19.8	29.6
91	24.0	21.5	32.3

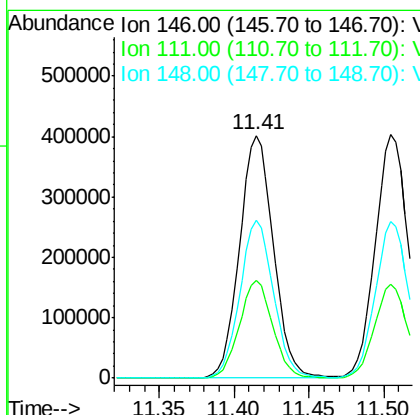
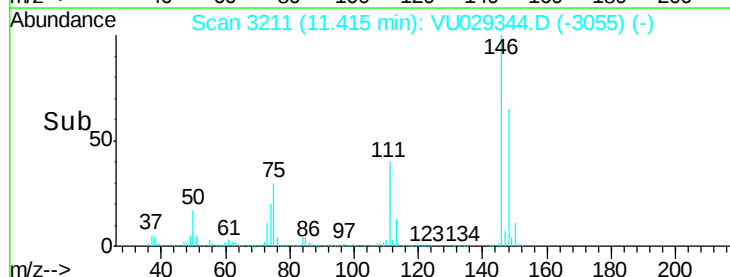
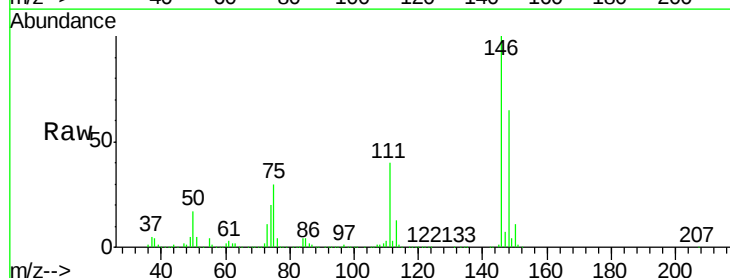
Manual Integrations
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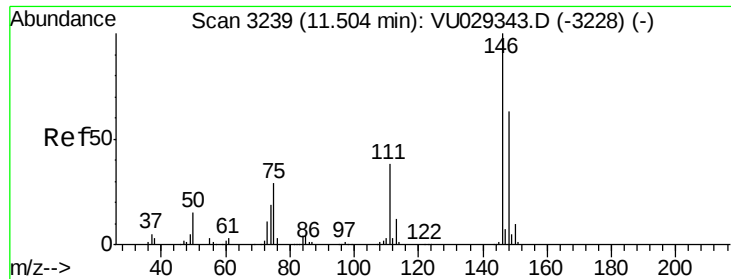
sam
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#82
1,3-Dichlorobenzene
Concen: 16.351 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	34.1	51.1
148	64.2	52.3	78.5





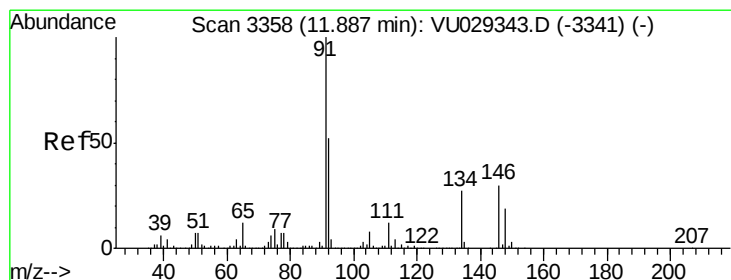
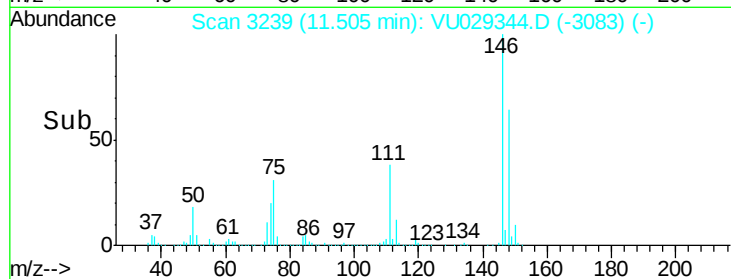
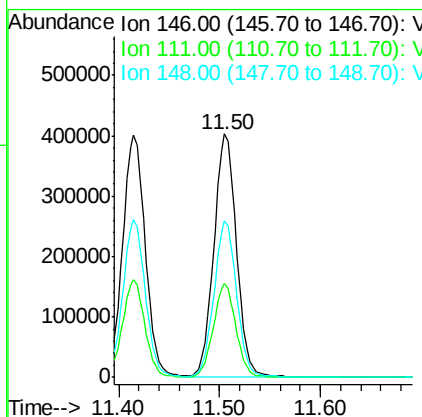
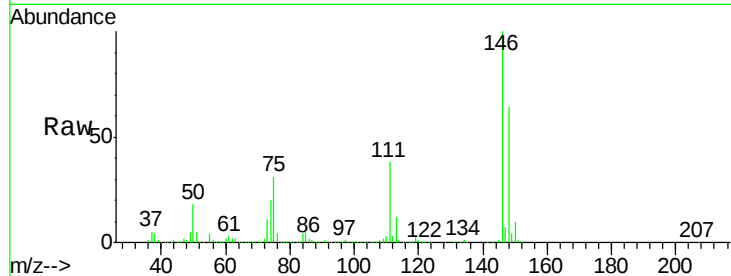
#83
 1,4-Dichlorobenzene
 Concen: 16.325 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU029344.D
 Acq: 05 Feb 2019 13:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	32.9	49.3
148	64.2	51.8	77.6

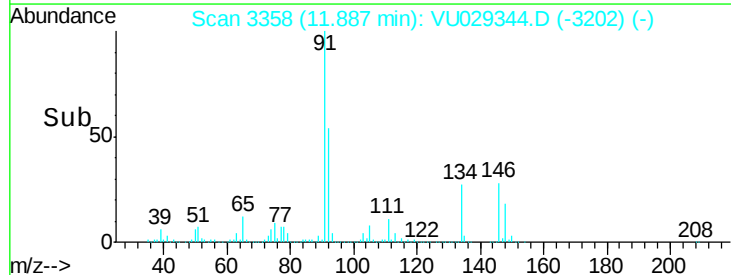
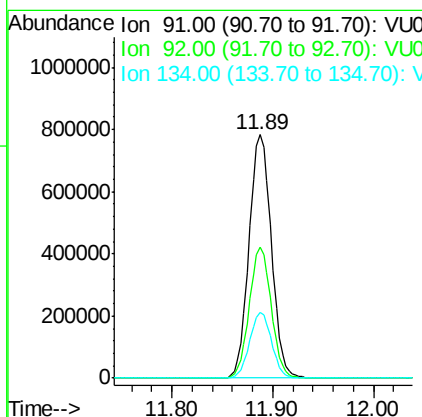
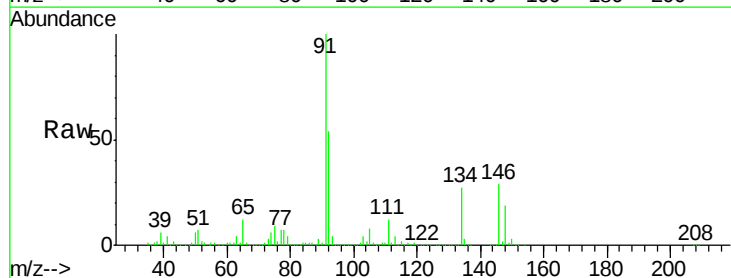
Manual Integrations
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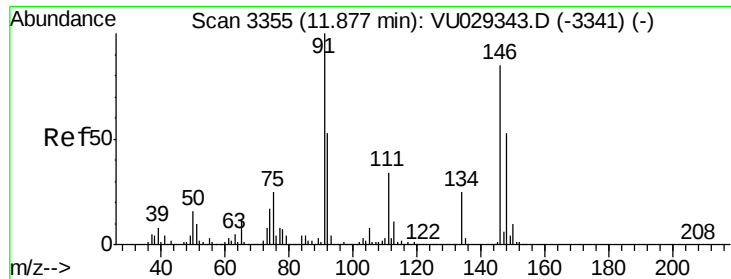
sam
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#84
 n-Butylbenzene
 Concen: 16.789 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU029344.D
 Acq: 05 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	41.0	61.6
134	26.5	19.1	28.7





#85

1,2-Dichlorobenzene

Concen: 15.988 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

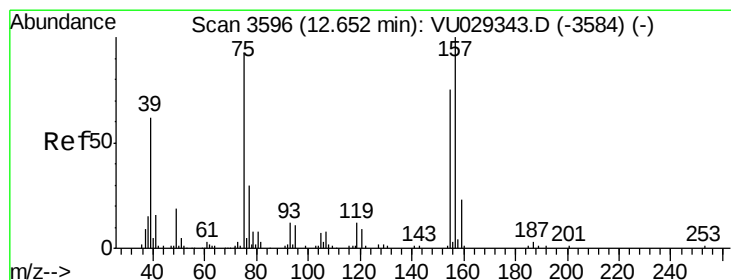
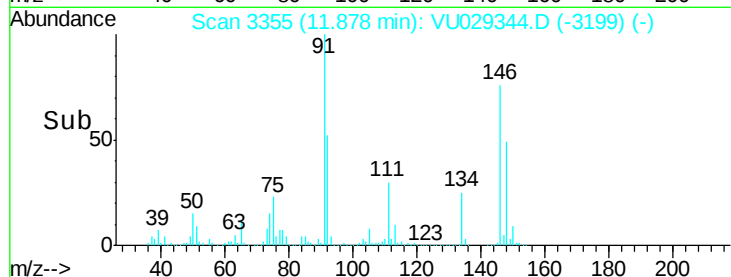
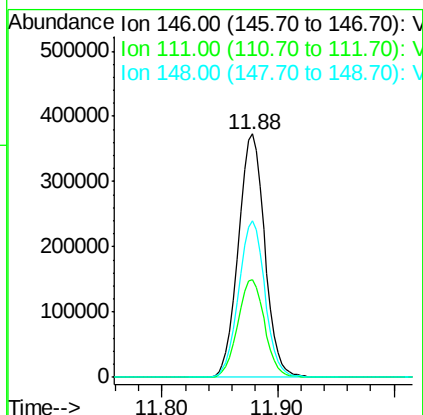
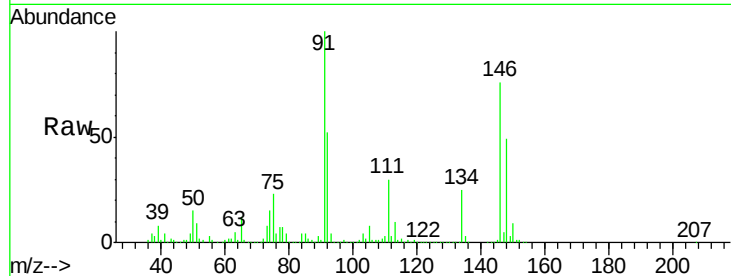
ClientSampleId :

VSTDIC015

Tot Ion:	146	Resp:	586226
Ion Ratio	Lower	Upper	
146	100		
111	40.7	21.9	65.8
148	64.2	31.8	95.3

Manual Integrations
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#86

1,2-Dibromo-3-Chloropropane

Concen: 15.777 ug/l

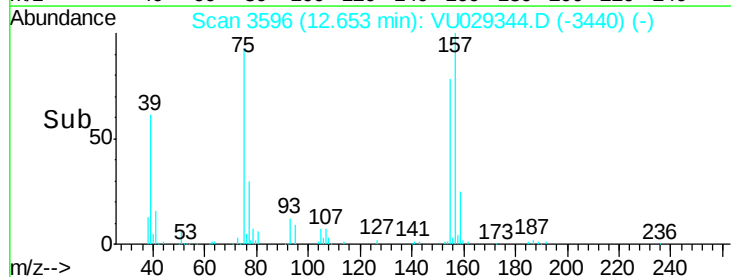
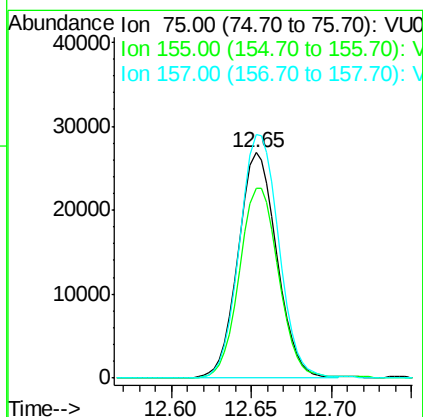
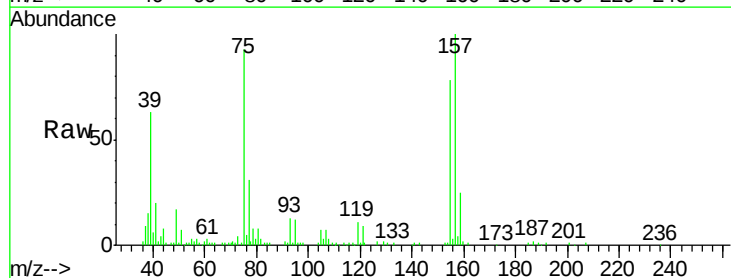
RT: 12.65 min Scan# 3596

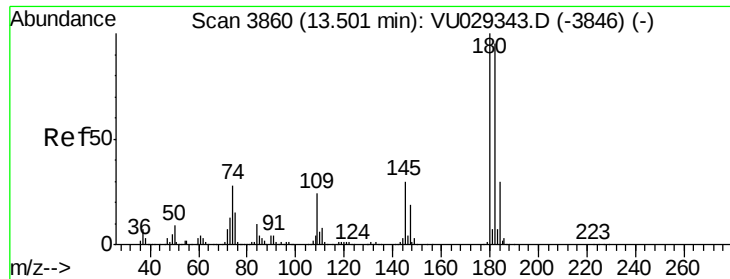
Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Tgt Ion:	75	Resp:	44270
Ion Ratio	Lower	Upper	
75	100		
155	85.9	53.8	80.8#
157	109.7	69.2	103.8#





#87

1,2,4-Trichlorobenzene

Concen: 16.734 ug/l

RT: 13.50 min Scan# 3860

Delta R.T. 0.00 min

Lab File: VU029344.D

Acq: 05 Feb 2019 13:04

Instrument :

MSVOA_U

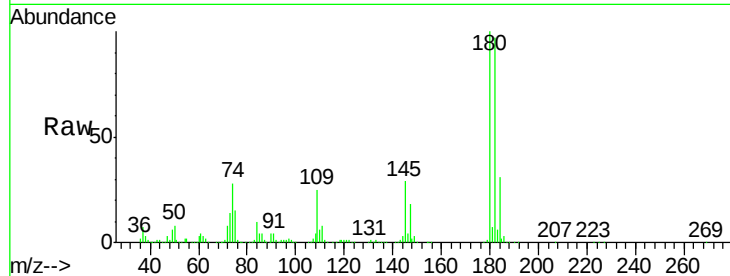
ClientSampleId :

VSTDIC015

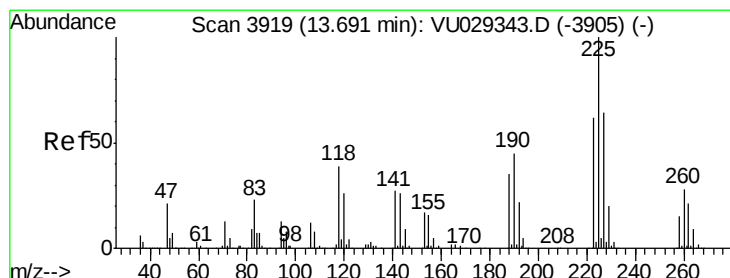
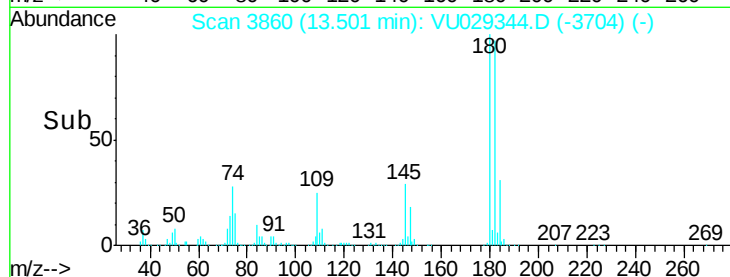
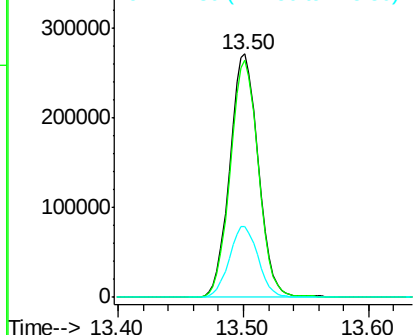
Tot Ion:	180	Resp:	430994
Ion Ratio	Lower	Upper	
180	100		
182	96.0	76.6	114.8
145	29.5	24.6	36.8

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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: 15.996 ug/l

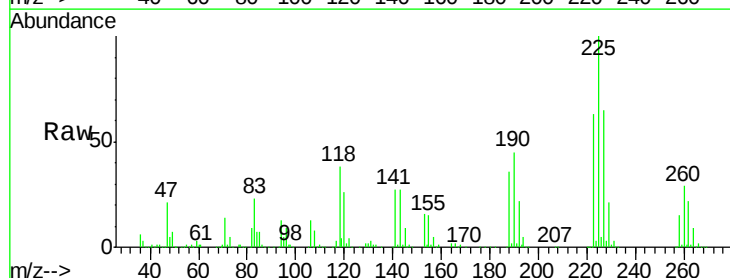
RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

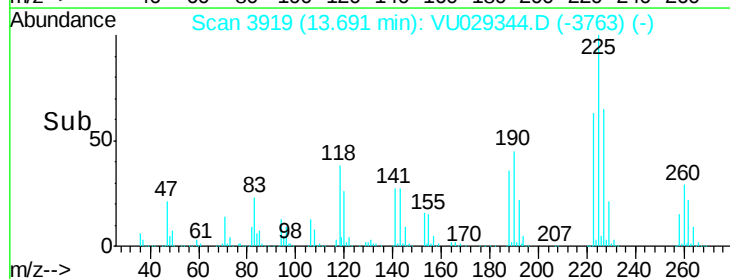
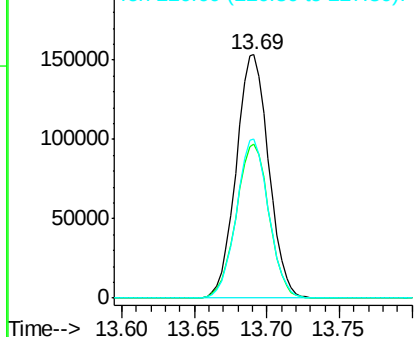
Lab File: VU029344.D

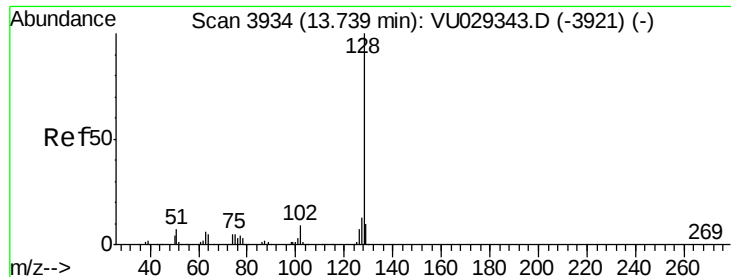
Acq: 05 Feb 2019 13:04

Tgt Ion:	225	Resp:	238587
Ion Ratio	Lower	Upper	
225	100		
223	63.7	49.5	74.3
227	64.4	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





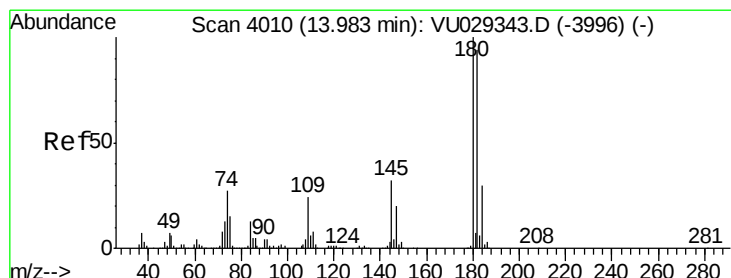
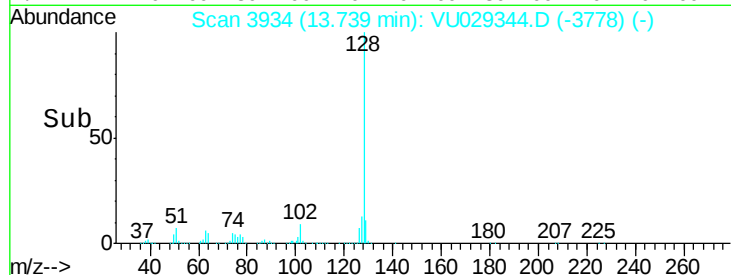
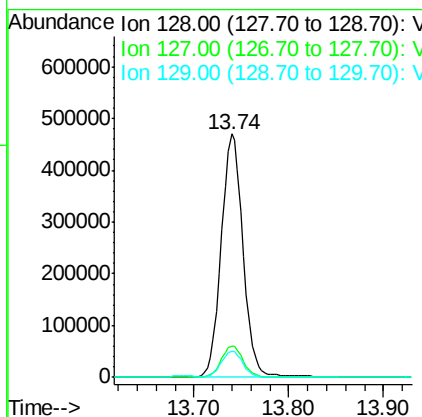
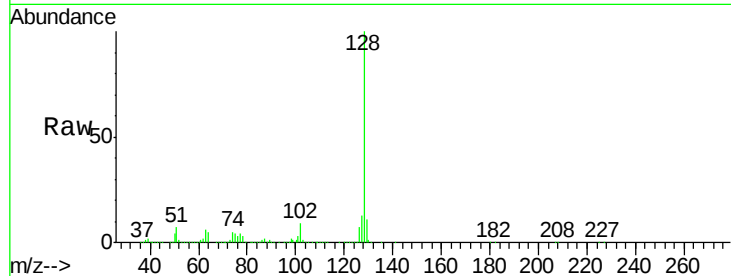
#89
Naphthalene
Concen: 17.254 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	10.6	8.2	12.4

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#90
1,2,3-Trichlorobenzene
Concen: 16.329 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU029344.D
Acq: 05 Feb 2019 13:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	78.0	117.0
145	32.1	26.6	39.8

