

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020619\
 Data File : VU029361.D
 Acq On : 06 Feb 2019 14:41
 Operator : JC/SP
 Sample : VU0206WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0206WBSD01

Manual Integrations
 APPROVED

sam
 2/8/2019 2:27:39 PM

Quant Time: Feb 08 12:34:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	50944	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	20111	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	21295	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	36923	1.942	ug/l	100
3) Chloromethane	1.33	50	32232	1.855	ug/l	98
4) Vinyl Chloride	1.40	62	38973	1.914	ug/l	100
5) Bromomethane	1.63	94	26631	2.351	ug/l	97
6) Chloroethane	1.70	64	23797	2.000	ug/l	96
7) Trichlorofluoromethane	1.88	101	60193	2.116	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	32734	2.180	ug/l	90
9) 1,1-Dichloroethene	2.28	96	30653	2.086	ug/l	72
10) Iodomethane	2.41	142	33808	1.791	ug/l #	77
11) Allyl Chloride	2.59	41	46944	1.905	ug/l	92
12) Acrylonitrile	2.94	53	12438	3.776	ug/l	96
13) Acetone	2.32	43	31449	9.907	ug/l #	83
14) Carbon Disulfide	2.48	76	104032	2.005	ug/l	100
15) Methylene Chloride	2.70	84	33963	1.906	ug/l #	80
16) trans-1,2-Dichloroethene	2.98	96	34387	2.092	ug/l #	74
17) 1,1-Dichloroethane	3.44	63	60647	2.329	ug/l	97
18) 2-Butanone	4.28	43	32048	9.033	ug/l	98
19) Cyclohexane	4.99	56	46002m	1.905	ug/l	
20) Methylcyclohexane	6.41	83	51066	2.014	ug/l #	84
21) 2,2-Dichloropropane	4.22	77	50378	2.090	ug/l #	90
22) cis-1,2-Dichloroethene	4.22	96	32579	2.104	ug/l	76
23) Diethyl Ether	2.10	59	22619	1.917	ug/l	87
24) tert-Butyl Alcohol	2.83	59	25079	20.449	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	81766	1.976	ug/l #	87
26) Bromochloromethane	4.55	128	14641	2.141	ug/l	69
27) Chloroform	4.67	83	50496	1.994	ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	47869	2.039	ug/l	95
29) 1,1-Dichloropropene	5.13	75	40809	2.002	ug/l	91
30) Carbon Tetrachloride	5.13	117	44813	2.109	ug/l	96
31) Isopropyl Ether	3.57	45	74459	1.895	ug/l	88
32) Ethyl-t-butyl ether	4.07	59	76675	1.947	ug/l	90
33) Tert-Amyl methyl ether	5.58	73	72936	2.048	ug/l	98
34) Propionitrile	4.33	54	8087	8.671	ug/l #	89
35) Benzene	5.39	78	113733	2.018	ug/l	99
36) 1,2-Dichloroethane	5.41	62	33310	1.954	ug/l #	84
37) Trichloroethene	6.18	130	34306	2.121	ug/l	81
38) 1,2-Dichloropropane	6.43	63	28459	1.941	ug/l	100
39) Methacrylonitrile	4.55	41	8067	1.689	ug/l #	82
40) Methyl acrylate	4.43	55	12482	1.731	ug/l #	84
41) Tetrahydrofuran	4.65	42	9772	4.062	ug/l #	83
42) 1-Chlorobutane	5.06	56	50849	1.862	ug/l	89

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Manual Integrations
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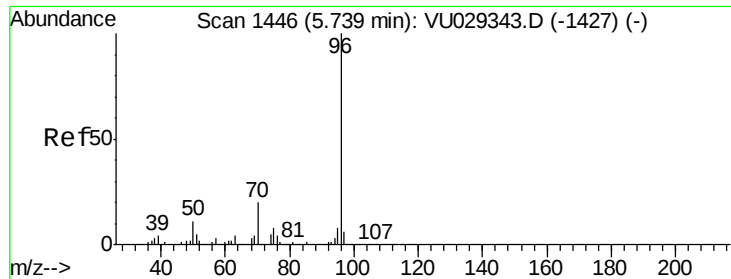
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Quant Time: Feb 08 12:34:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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 Response via : Initial Calibration

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

43) Dibromomethane	6.56	93	15245	1.951	ug/l #	87
44) Bromodichloromethane	6.76	83	40106	2.015	ug/l	93
45) 4-Methyl-2-Pentanone	7.46	43	85515	9.338	ug/l #	89
46) t-1,4-Dichloro-2-butene	10.51	75	15419m	3.456	ug/l	
47) Methyl methacrylate	6.63	69	27449	3.993	ug/l #	76
48) Ethyl methacrylate	8.02	69	28642	1.942	ug/l	80
49) Toluene	7.63	92	72329	2.006	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	37144	1.904	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	45506	1.963	ug/l #	85
52) 1,1,2-Trichloroethane	8.07	97	21428	2.072	ug/l	99
53) 1,3-Dichloropropane	8.24	76	35223	1.939	ug/l	99
54) 2-Hexanone	8.37	43	60888	9.485	ug/l	87
55) Dibromochloromethane	8.48	129	30445	2.071	ug/l	99
56) 1,2-Dibromoethane	8.59	107	21565	2.032	ug/l	99
58) Tetrachloroethene	8.22	164	32244	2.143	ug/l	93
59) Chlorobenzene	9.12	112	86409	2.127	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.21	131	32382	2.157	ug/l	98
61) Pentachloroethane	11.10	117	23842	2.049	ug/l	88
62) Hexachloroethane	12.14	117	26244	2.067	ug/l	99
63) Ethyl Benzene	9.25	91	142600	2.021	ug/l	97
64) m/p-Xylenes	9.37	106	111919	4.082	ug/l	87
65) o-Xylene	9.78	106	54219	2.015	ug/l	91
66) Styrene	9.79	104	92397	2.060	ug/l	93
67) Bromoform	9.96	173	18983	2.076	ug/l	98
69) Isopropylbenzene	10.16	105	148423	2.064	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.46	83	26477	1.997	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	20348m	2.235	ug/l	
72) Bromobenzene	10.45	156	37643	2.160	ug/l	83
73) n-propylbenzene	10.58	120	42317	2.113	ug/l	77
74) 2-Chlorotoluene	10.66	126	36252	2.126	ug/l	77
75) 1,3,5-Trimethylbenzene	10.77	105	123364	1.990	ug/l	94
76) 4-Chlorotoluene	10.77	126	37581	2.123	ug/l	71
77) tert-Butylbenzene	11.10	119	128057	2.090	ug/l	91
78) 1,2,4-Trimethylbenzene	11.15	105	126954	2.023	ug/l	94
79) sec-Butylbenzene	11.32	105	162843	2.031	ug/l	94
80) Nitrobenzene	12.87	77	3779	6.398	ug/l	93
81) p-Isopropyltoluene	11.47	119	138628	2.040	ug/l	94
82) 1,3-Dichlorobenzene	11.41	146	72569	2.122	ug/l	97
83) 1,4-Dichlorobenzene	11.51	146	72168	2.119	ug/l	96
84) n-Butylbenzene	11.89	91	124401	1.995	ug/l	95
85) 1,2-Dichlorobenzene	11.88	146	67609	2.091	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	4685	1.894	ug/l #	64
87) 1,2,4-Trichlorobenzene	13.50	180	50753	2.235	ug/l	98
88) Hexachlorobutadiene	13.69	225	31920	2.427	ug/l	99
89) Naphthalene	13.74	128	81729	2.122	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	46510	2.241	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

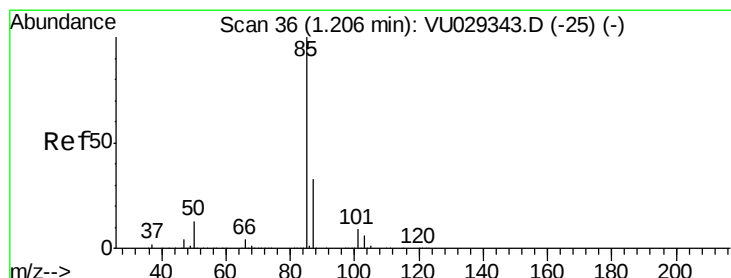
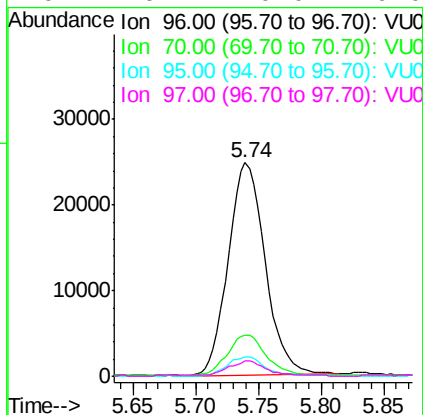
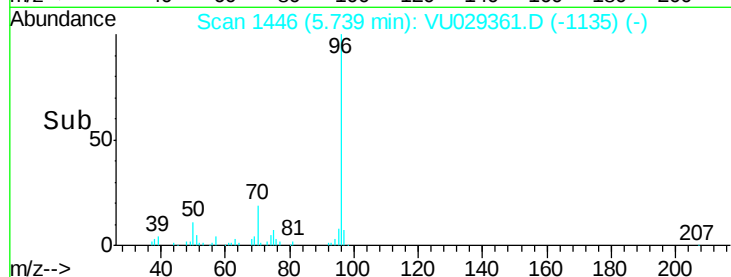
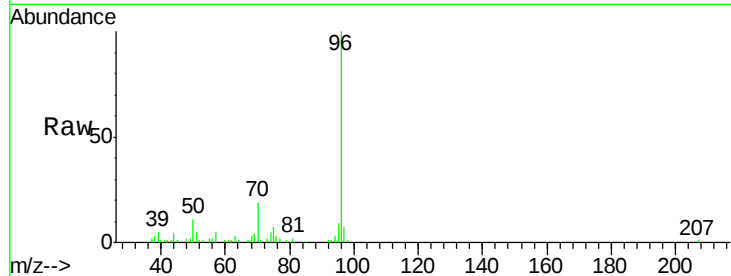
ClientSampleId :

VU0206WBSD01

Tot Ion:	96	Resp:	50944
Ion	Ratio	Lower	Upper
96	100		
70	20.3	16.2	24.2
95	9.8	7.4	11.2
97	6.2	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 1.942 ug/l

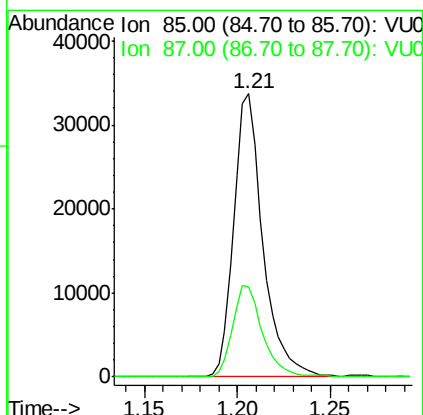
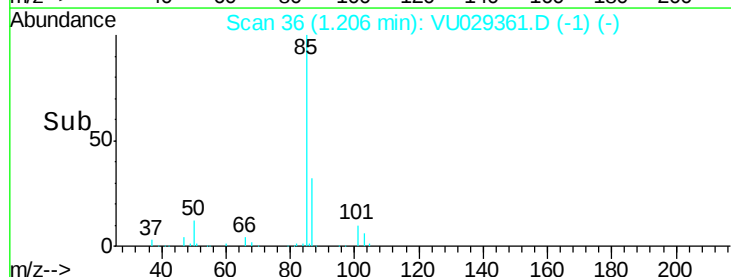
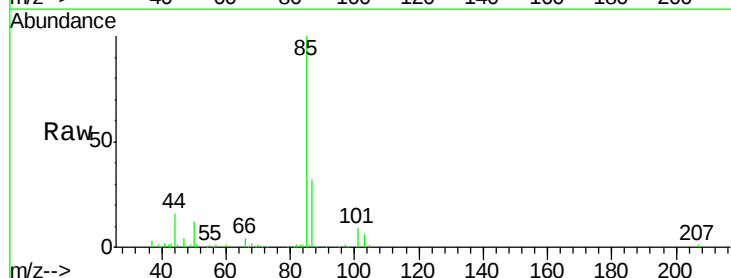
RT: 1.21 min Scan# 36

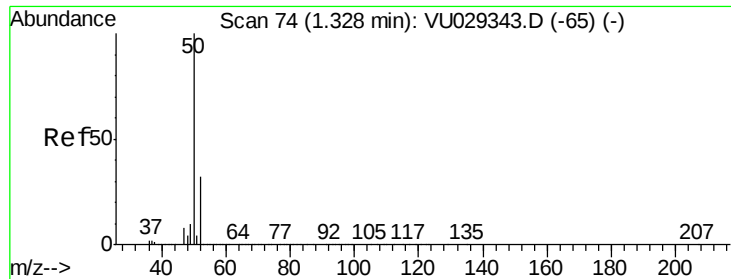
Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Tgt Ion:	85	Resp:	36923
Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.9	47.6





#3

Chloromethane

Concen: 1.855 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBSD01

Tot Ion: 50 Resp: 32232

Ion Ratio Lower Upper

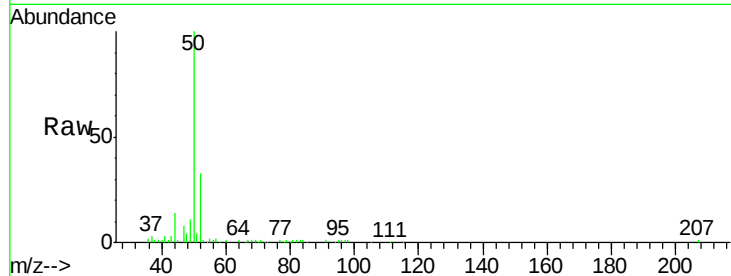
50 100

52 32.7 27.3 40.9

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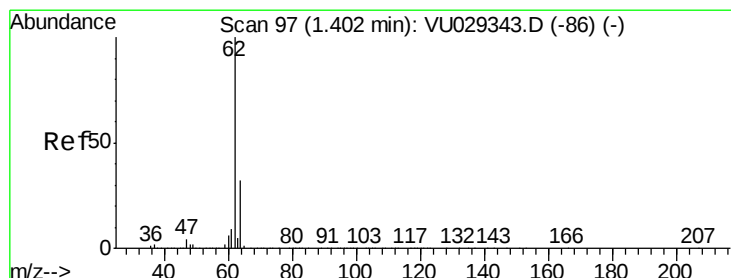
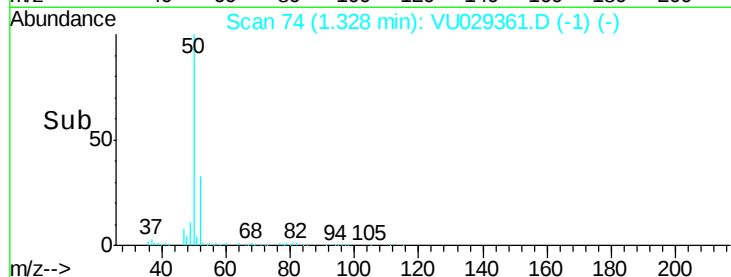
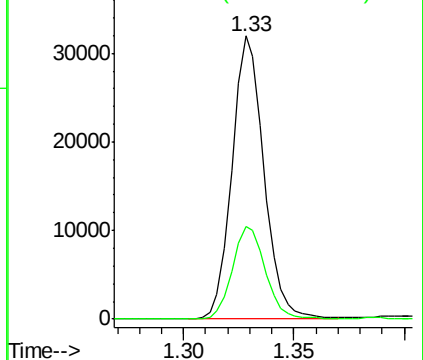
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 1.914 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029361.D

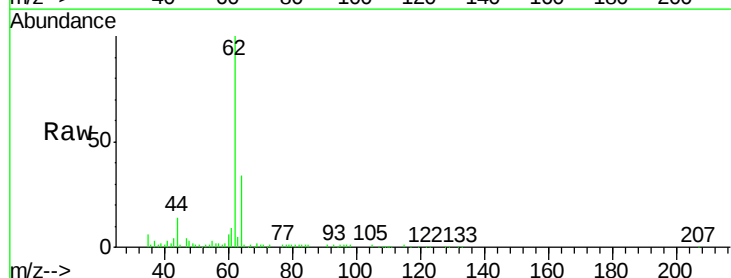
Acq: 06 Feb 2019 14:41

Tgt Ion: 62 Resp: 38973

Ion Ratio Lower Upper

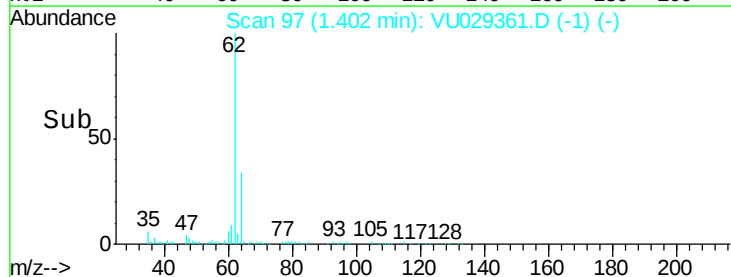
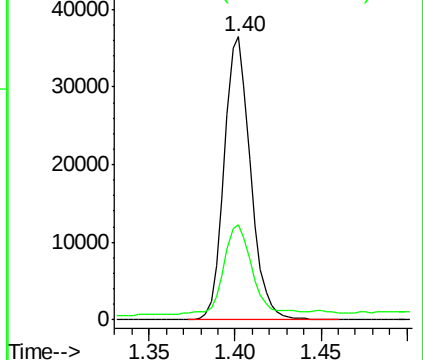
62 100

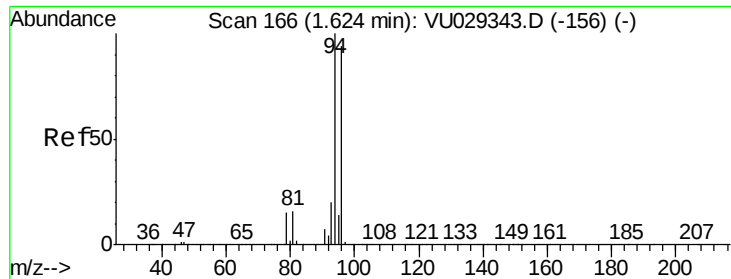
64 31.3 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 2.351 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBSD01

Tot Ion: 94 Resp: 26631

Ion Ratio Lower Upper

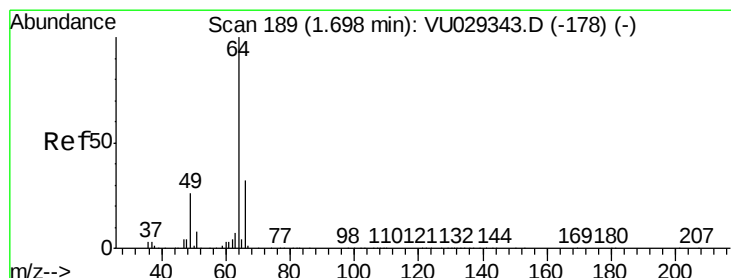
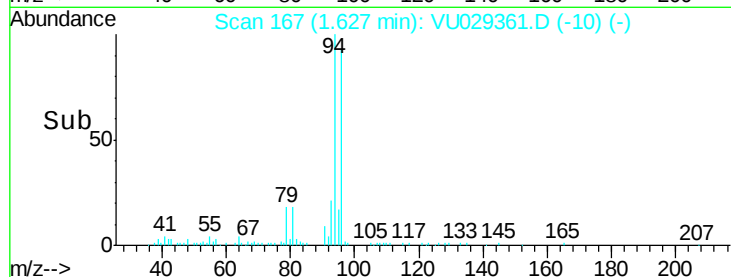
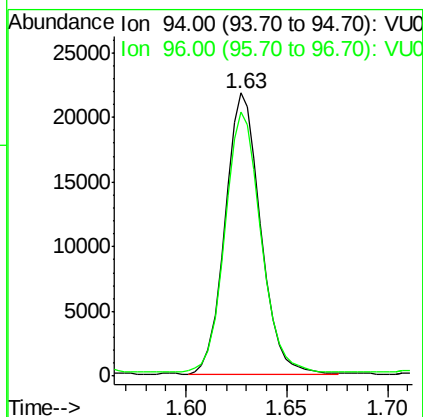
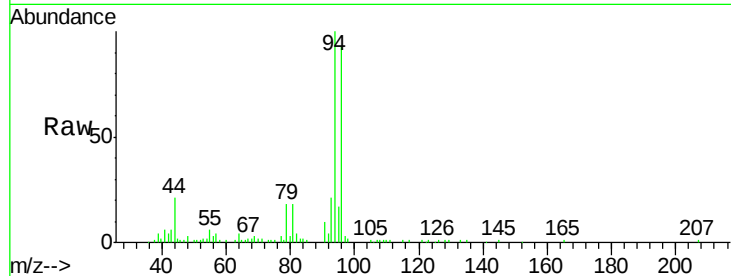
94 100

96 92.7 71.7 107.5

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#6

Chloroethane

Concen: 2.000 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029361.D

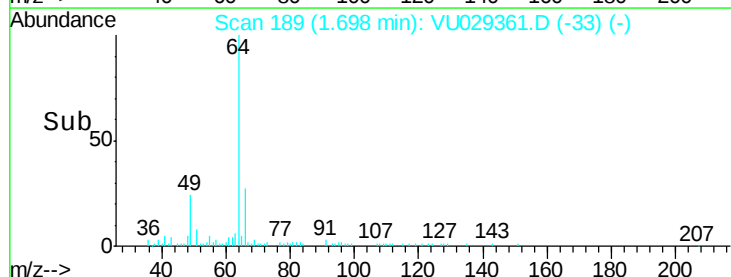
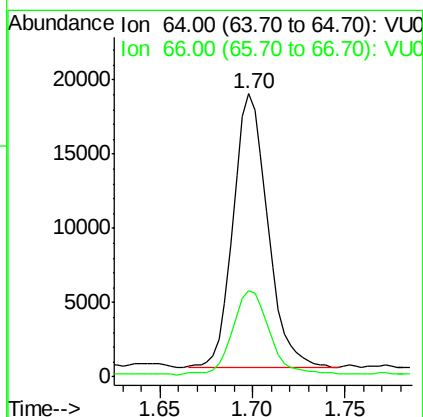
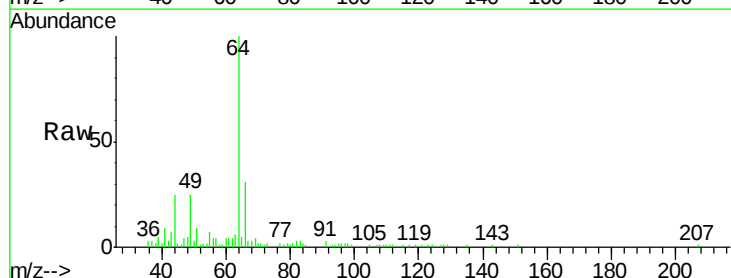
Acq: 06 Feb 2019 14:41

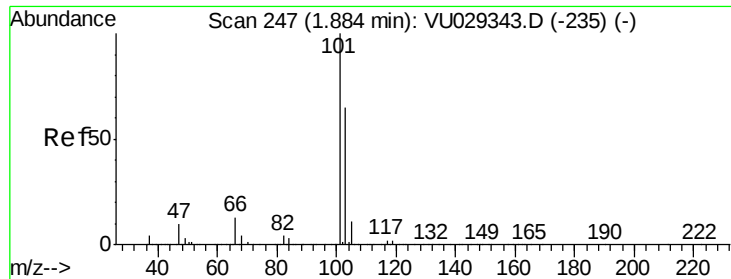
Tgt Ion: 64 Resp: 23797

Ion Ratio Lower Upper

64 100

66 30.5 26.3 39.5





#7

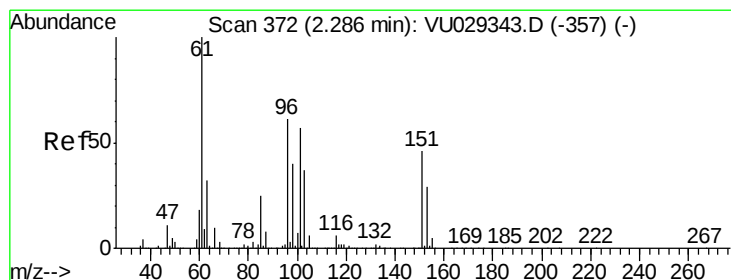
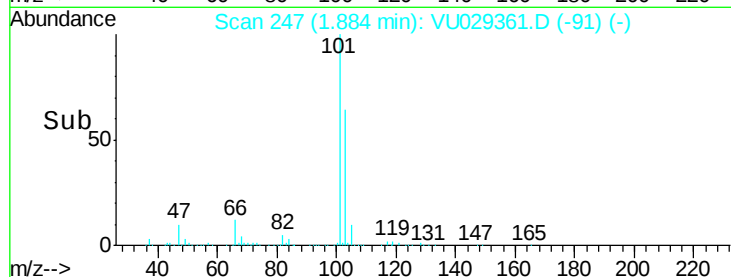
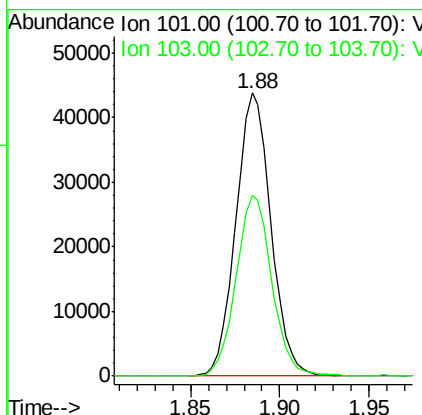
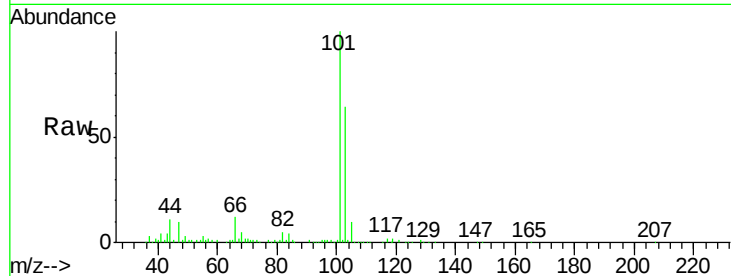
Trichlorofluoromethane
 Concen: 2.116 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU029361.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	53.9	80.9

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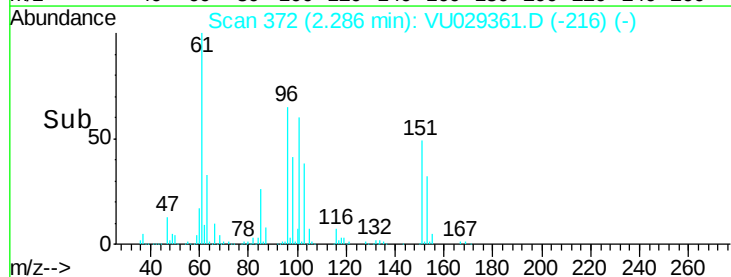
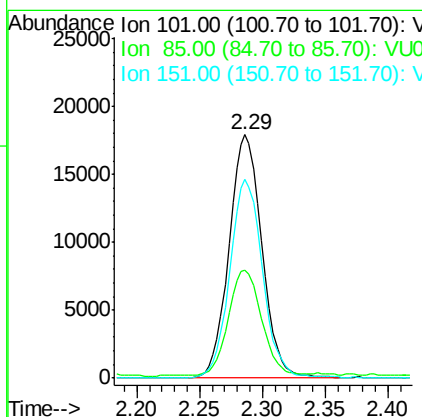
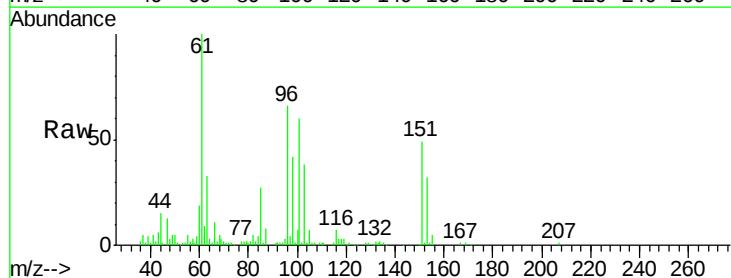
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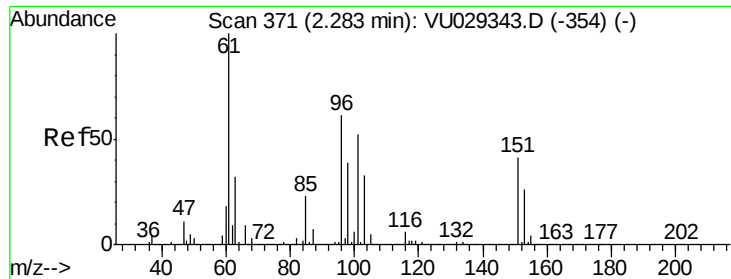


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.180 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU029361.D
 Acq: 06 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
101	100		
85	42.7	40.3	60.5
151	80.2	58.1	87.1





#9

1,1-Dichloroethene

Concen: 2.086 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

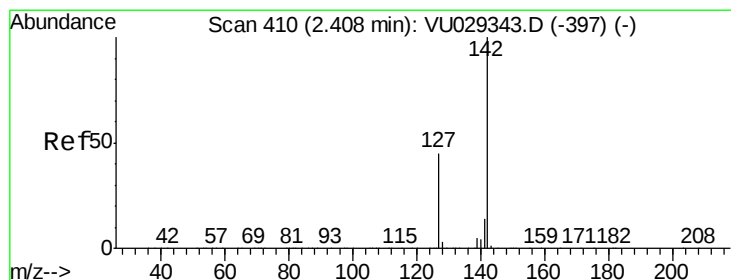
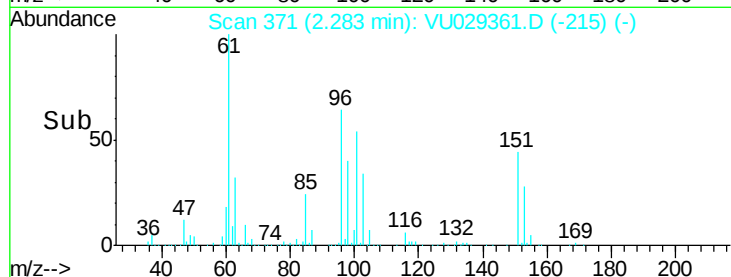
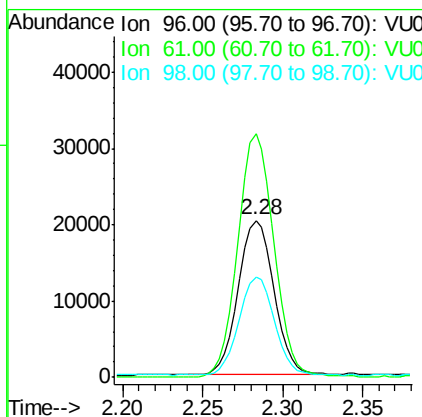
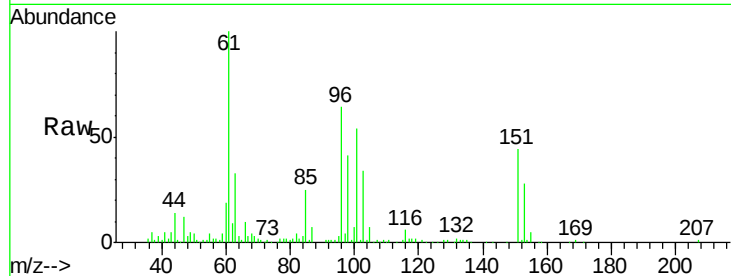
ClientSampleId :

VU0206WBSD01

Tot Ion:	96	Resp:	30653
Ion	Ratio	Lower	Upper
96	100		
61	158.1	0.0	641.4
98	63.3	0.0	122.6

Manual Integrations
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#10

Iodomethane

Concen: 1.791 ug/l

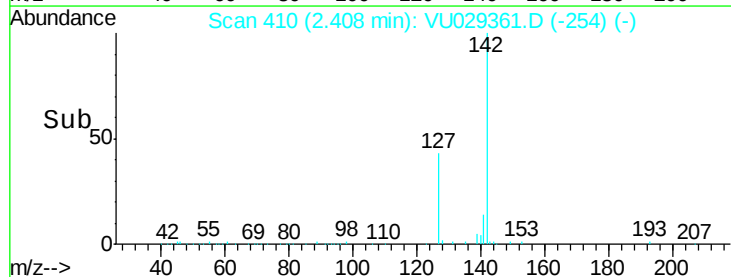
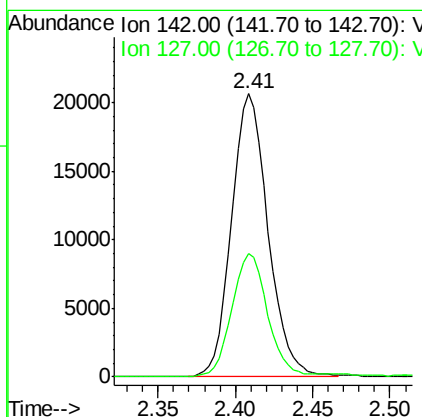
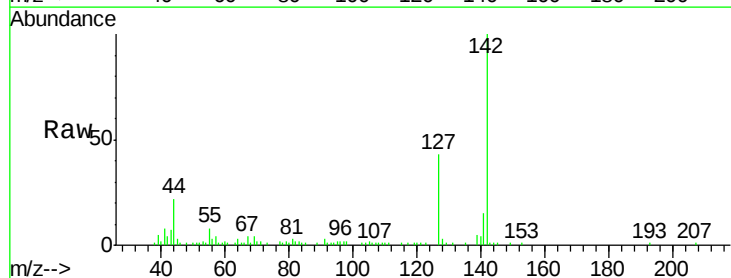
RT: 2.41 min Scan# 410

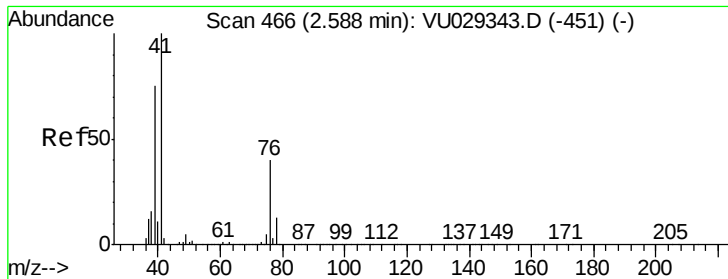
Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Tgt Ion:	142	Resp:	33808
Ion	Ratio	Lower	Upper
142	100		
127	42.5	47.6	71.4#





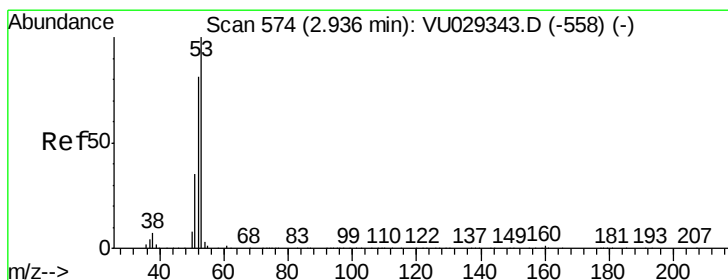
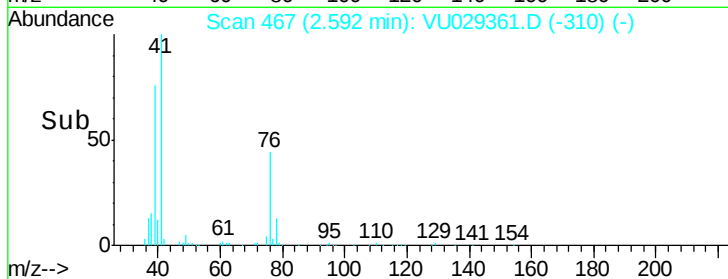
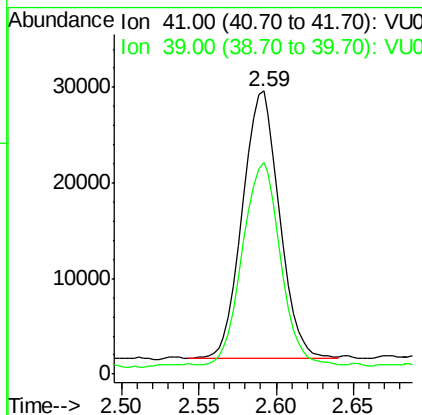
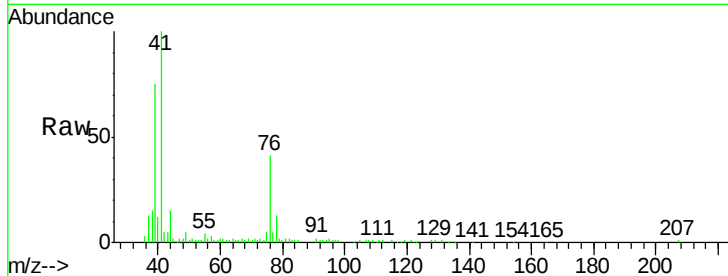
#11
Allvl Chloride
Concen: 1.905 ug/l
RT: 2.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Instrument :
MSVOA_U
ClientSampleId :
VU0206WBSD01

Tot Ion: 41 Resp: 46944
Ion Ratio Lower Upper
41 100
39 76.9 67.2 100.8

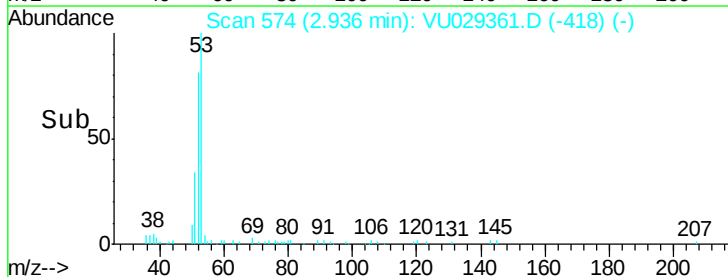
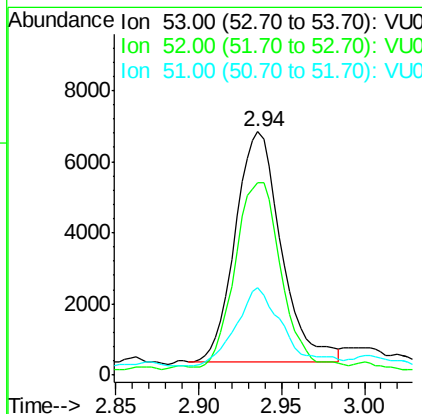
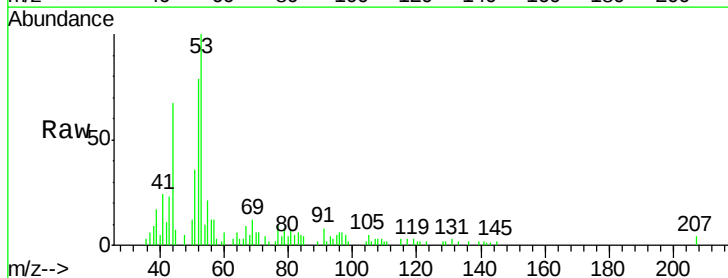
Manual Integrations
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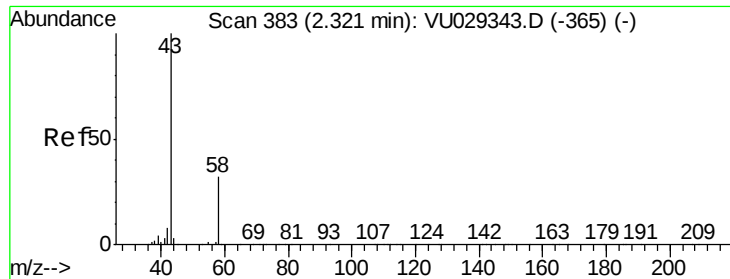
sam
2/8/2019 2:27:39 PM



#12
Acrylonitrile
Concen: 3.776 ug/l
RT: 2.94 min Scan# 574
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Tgt Ion: 53 Resp: 12438
Ion Ratio Lower Upper
53 100
52 81.9 67.6 101.4
51 35.2 31.0 46.4





#13

Acetone

Concen: 9.907 ug/l

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBSD01

Tot Ion: 43 Resp: 31449

Ion Ratio Lower Upper

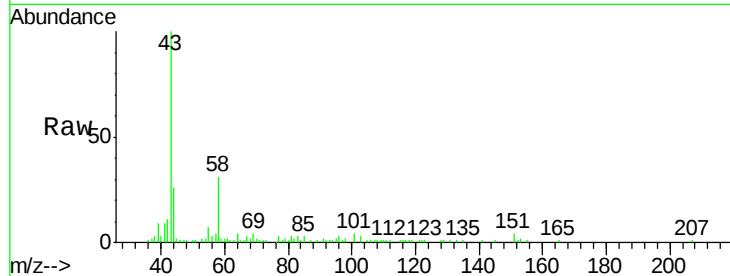
43 100

58 32.2 19.2 28.8#

Manual Integrations
APPROVED

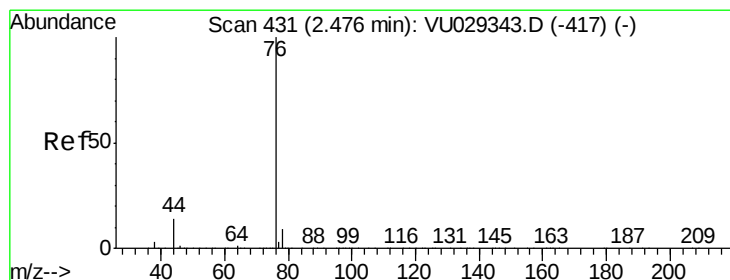
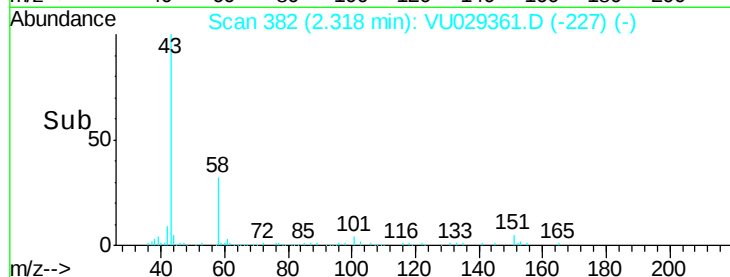
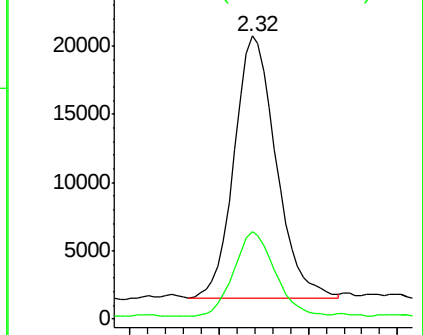
sam

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 2.005 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029361.D

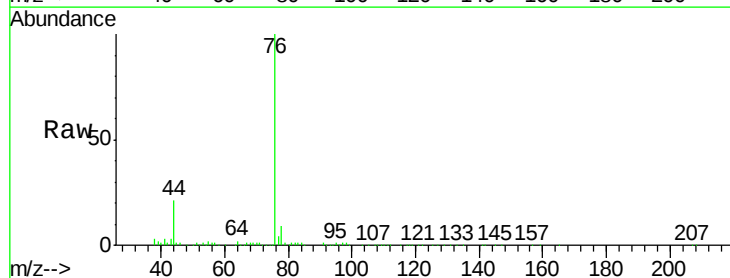
Acq: 06 Feb 2019 14:41

Tgt Ion: 76 Resp: 104032

Ion Ratio Lower Upper

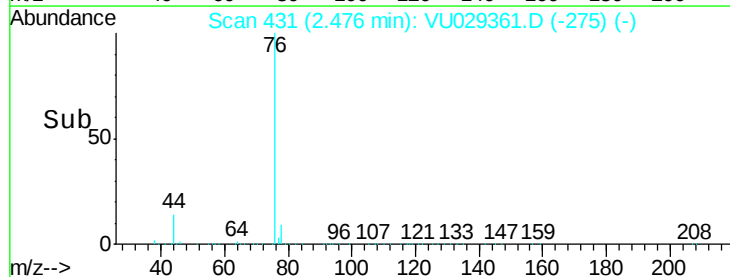
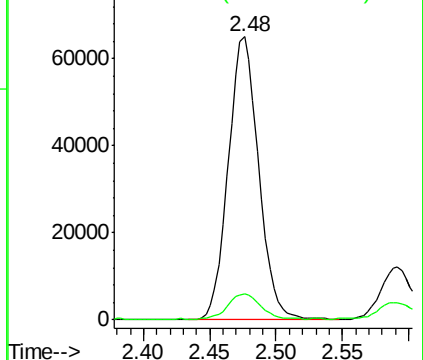
76 100

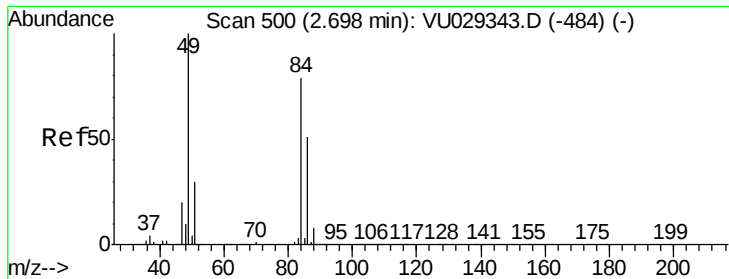
78 8.7 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





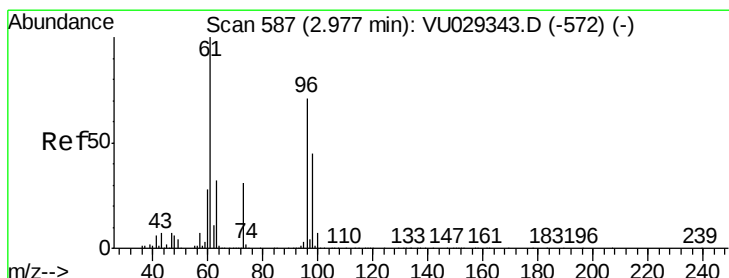
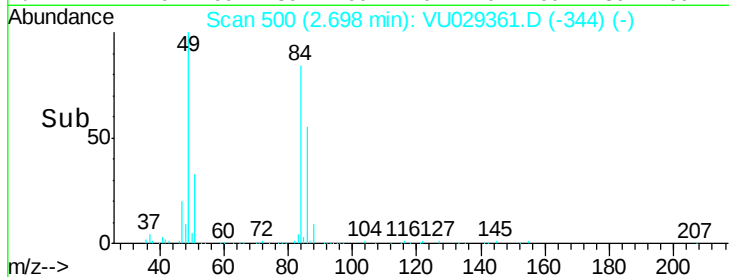
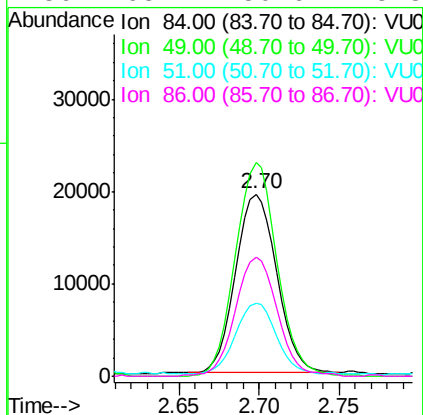
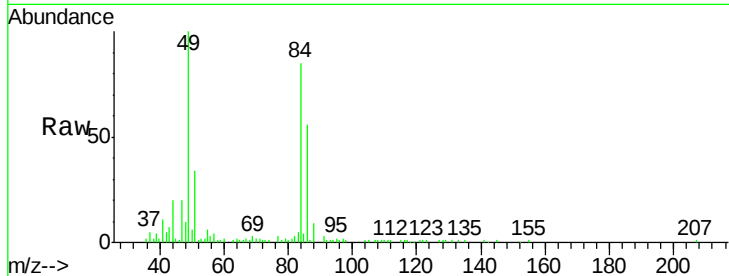
#15
Methvlene Chloride
Concen: 1.906 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Instrument :
MSVOA_U
ClientSampleId :
VU0206WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	119.4	127.0	190.6#	
51	39.7	0.0	93.4	
86	65.7	50.6	75.8	

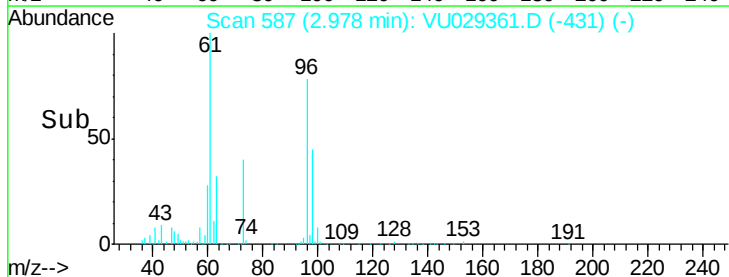
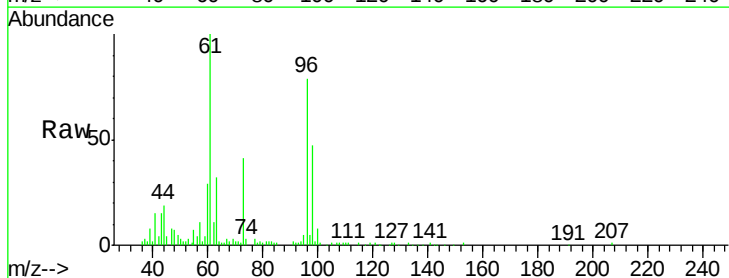
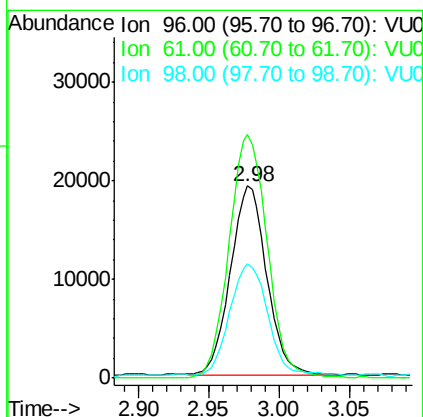
Manual Integrations
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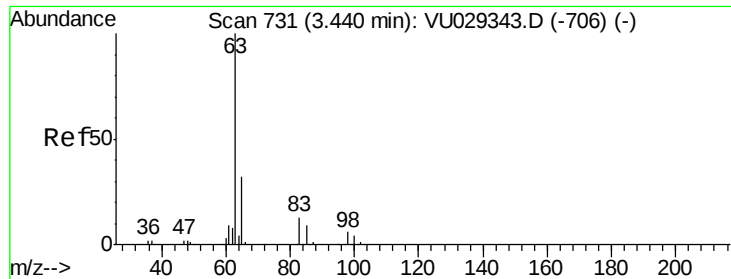
sam
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#16
trans-1,2-Dichloroethene
Concen: 2.092 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	129.0	140.6	210.8#	
98	58.5	49.3	73.9	





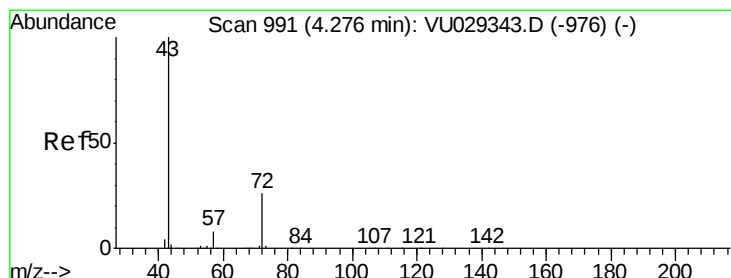
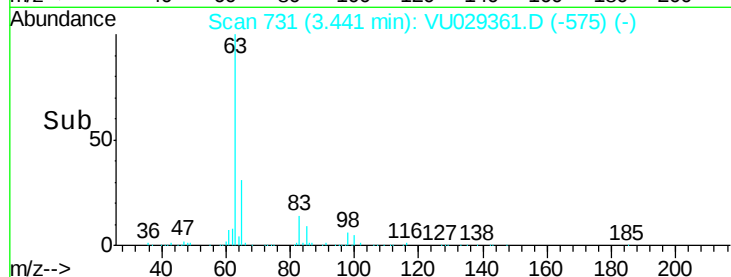
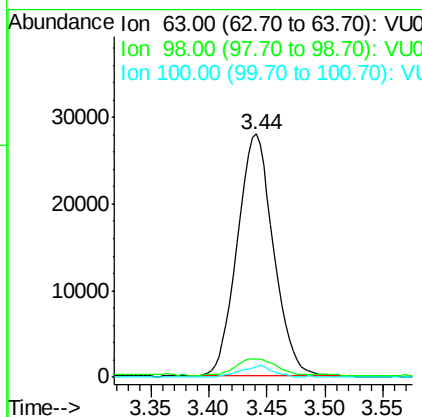
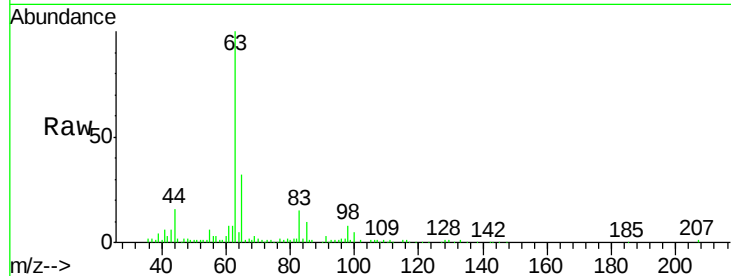
#17
 1,1-Dichloroethane
 Concen: 2.329 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029361.D
 Acq: 06 Feb 2019 14:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0206WBSD01

Tot Ion:	63	Resp:	60647
Ion Ratio	Lower	Upper	
63	100		
98	6.9	2.9	8.8
100	4.6	1.7	5.1

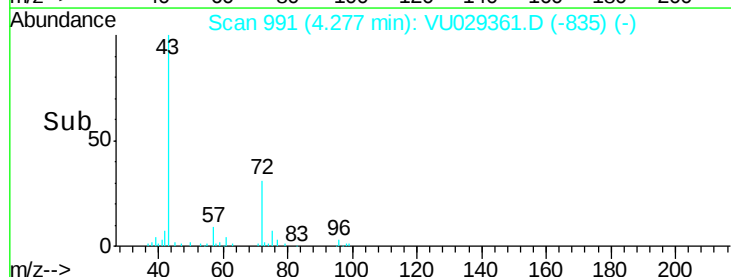
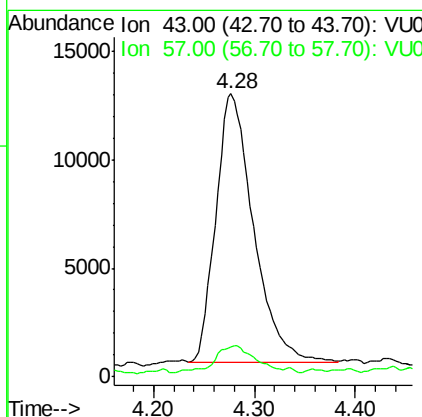
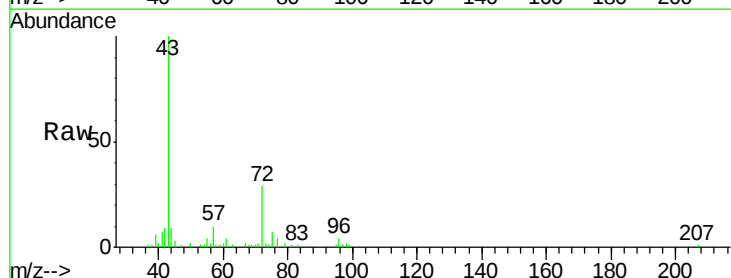
Manual Integrations
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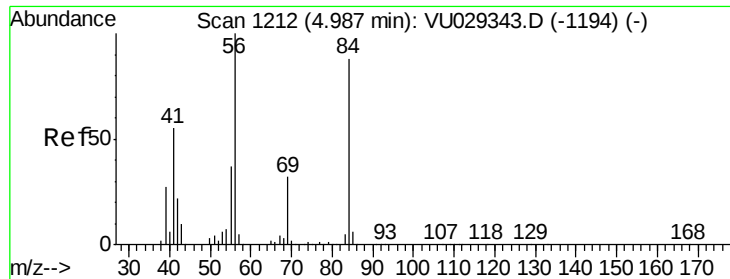
sam
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#18
 2-Butanone
 Concen: 9.033 ug/l
 RT: 4.28 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VU029361.D
 Acq: 06 Feb 2019 14:41

Tgt Ion:	43	Resp:	32048
Ion Ratio	Lower	Upper	
43	100		
57	8.4	0.0	15.8





#19

Cyclohexane

Concen: 1.905 ug/l m

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

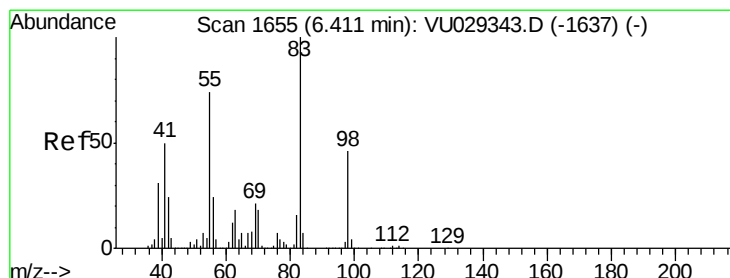
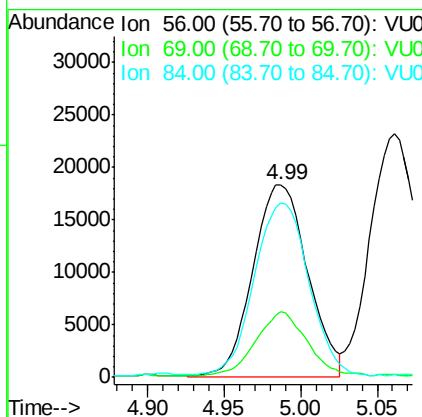
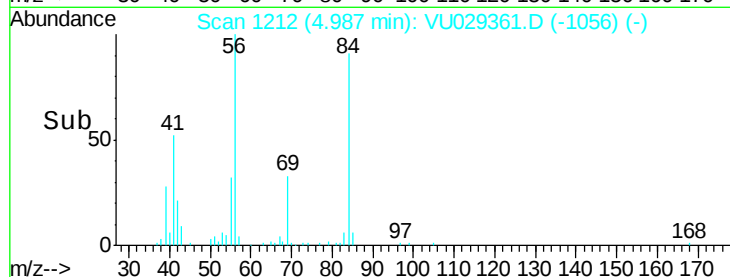
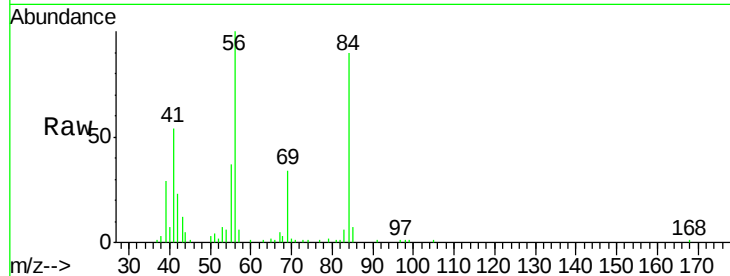
ClientSampleId :

VU0206WBSD01

Tot Ion:	56	Resp:	46002
Ion	Ratio	Lower	Upper
56	100		
69	30.2	26.8	40.2
84	87.6	71.5	107.3

Manual Integrations
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sam
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#20

Methylcyclohexane

Concen: 2.014 ug/l

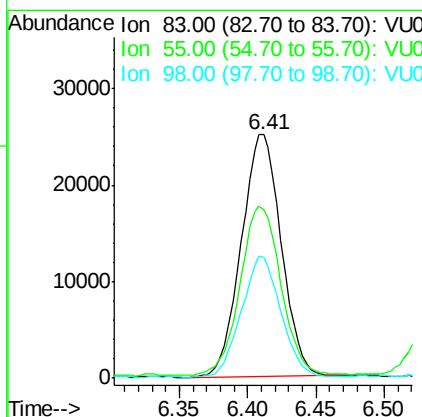
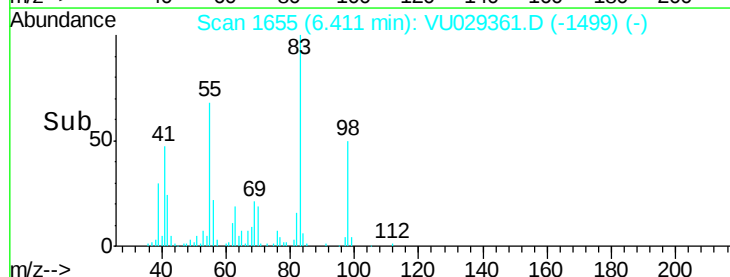
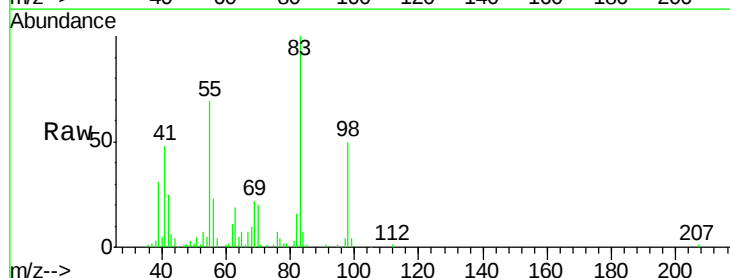
RT: 6.41 min Scan# 1655

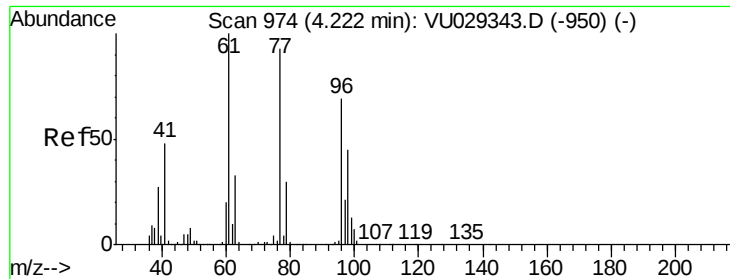
Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Tgt Ion:	83	Resp:	51066
Ion	Ratio	Lower	Upper
83	100		
55	71.0	72.4	108.6#
98	49.5	36.6	54.8





#21

2,2-Dichloropropane

Concen: 2.090 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBSD01

Tot Ion: 77 Resp: 50378

Ion Ratio Lower Upper

77 100

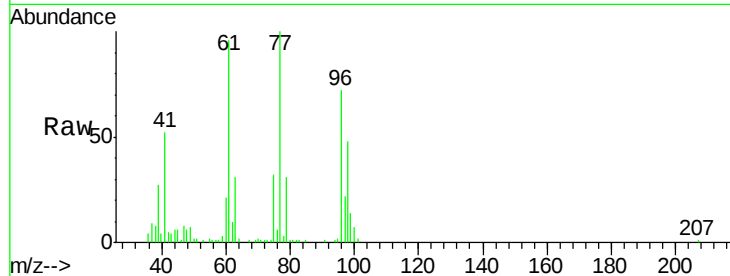
97 24.0 15.6 23.4#

Manual Integrations

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sam

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Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

20000

15000

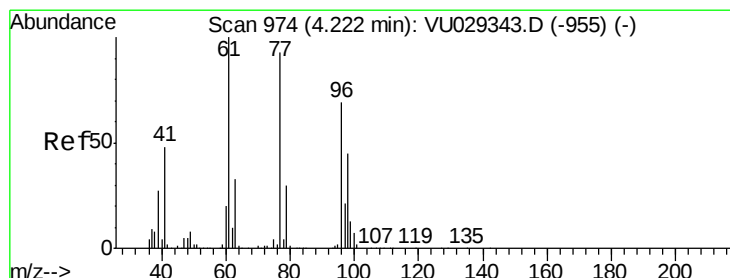
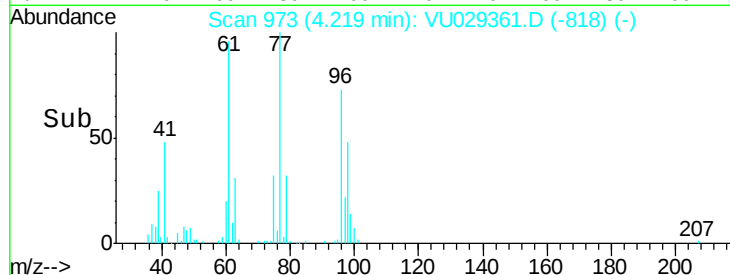
10000

5000

0

4.10 4.20 4.30

Time-->



#22

cis-1,2-Dichloroethene

Concen: 2.104 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

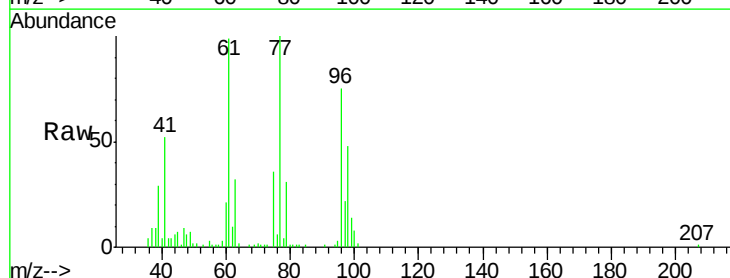
Tgt Ion: 96 Resp: 32579

Ion Ratio Lower Upper

96 100

61 140.4 0.0 460.0

98 69.4 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

25000

20000

15000

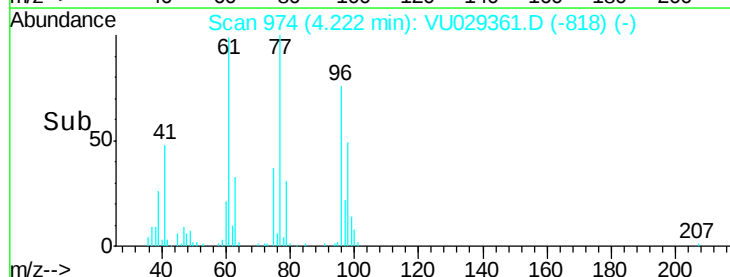
10000

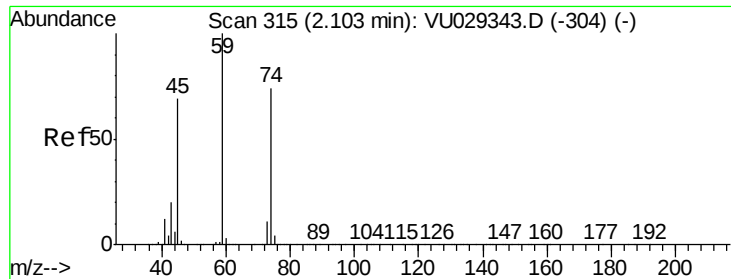
5000

0

4.15 4.20 4.25 4.30

Time-->





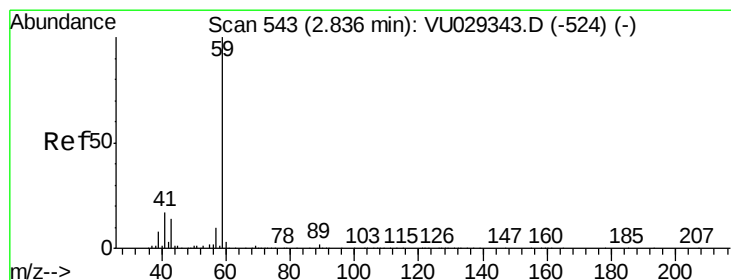
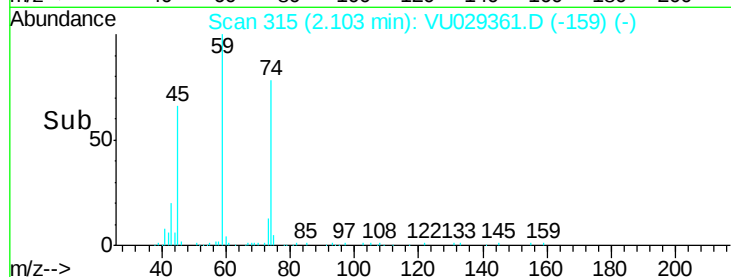
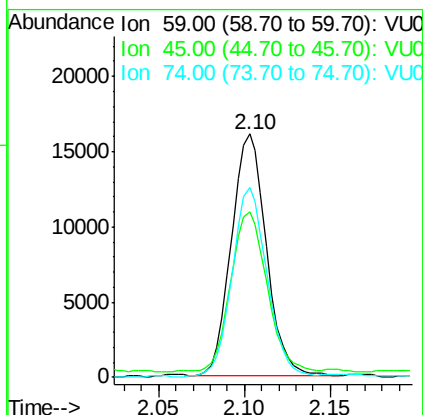
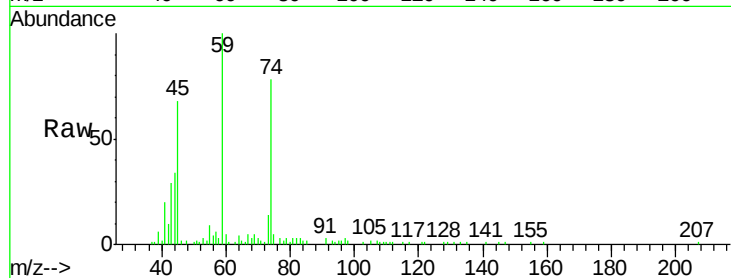
#23
Diethyl Ether
Concen: 1.917 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Instrument :
MSVOA_U
ClientSampleId :
VU0206WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
45	68.1	64.2	96.4
74	79.5	55.3	82.9

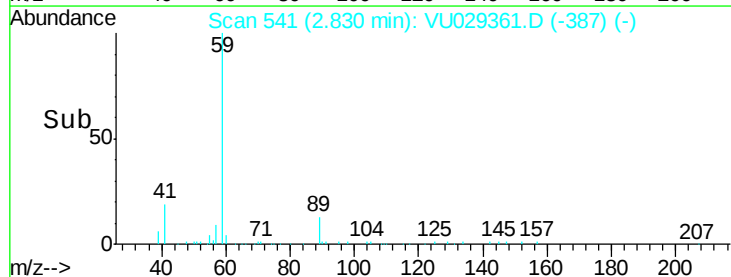
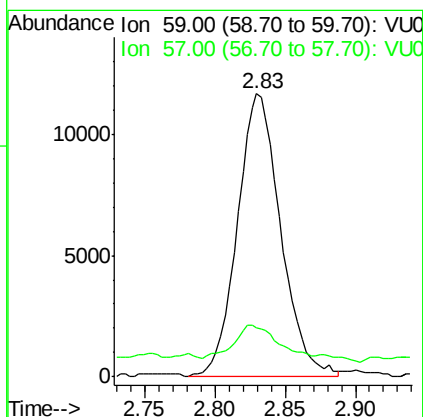
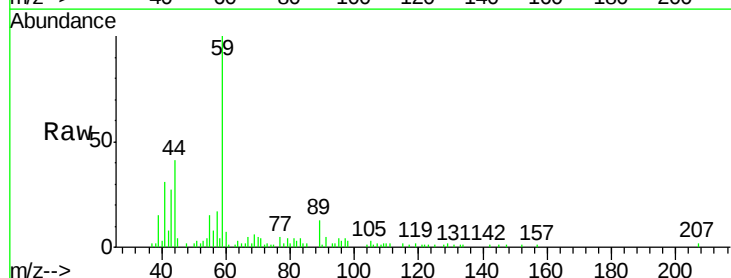
Manual Integrations
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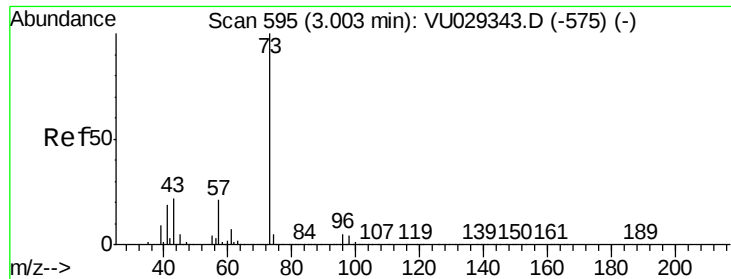
sam
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#24
tert-Butyl Alcohol
Concen: 20.449 ug/l
RT: 2.83 min Scan# 541
Delta R.T. -0.01 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.8	13.2





#25

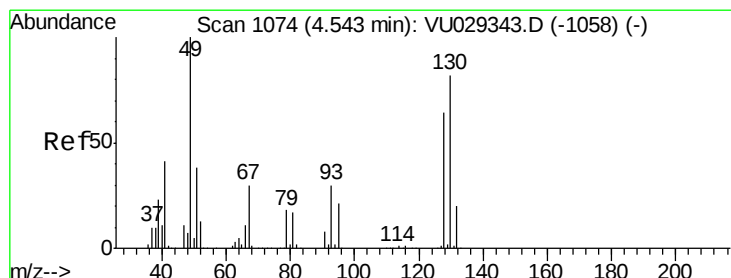
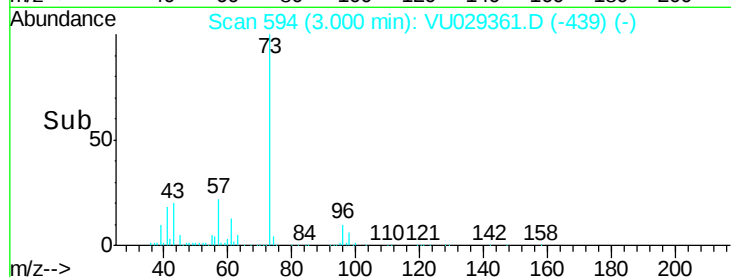
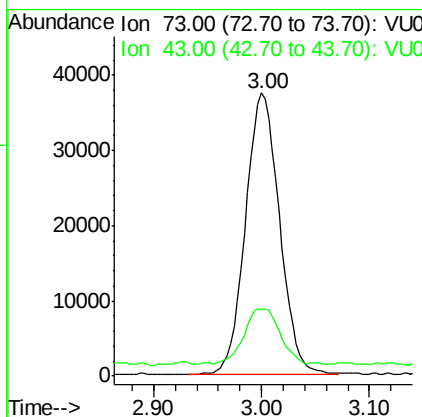
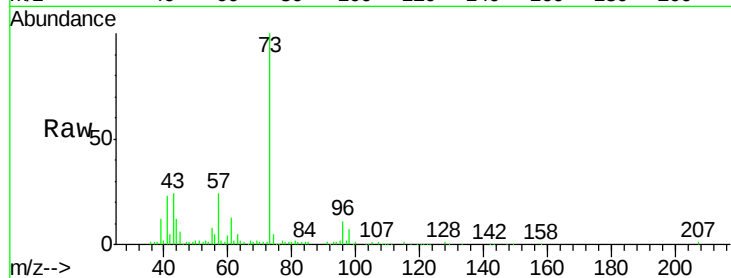
Methyl tert-Butyl Ether
 Concen: 1.976 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VU029361.D
 Acq: 06 Feb 2019 14:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0206WBSD01

Tot Ion	73	Resp	81766
Ion Ratio	Lower	Upper	
73	100		
43	20.6	22.1	33.1#

Manual Integrations
 APPROVED

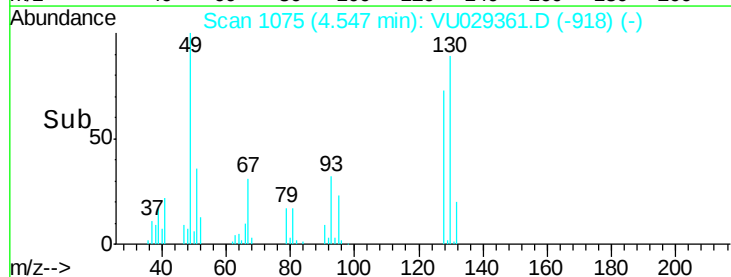
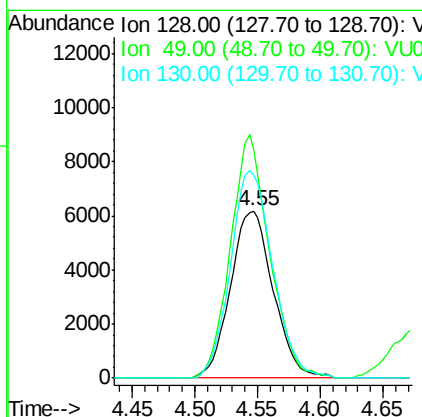
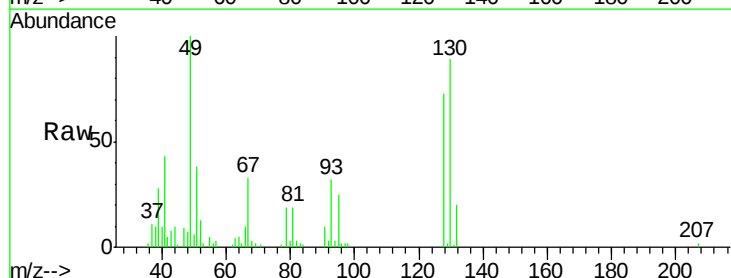
sam
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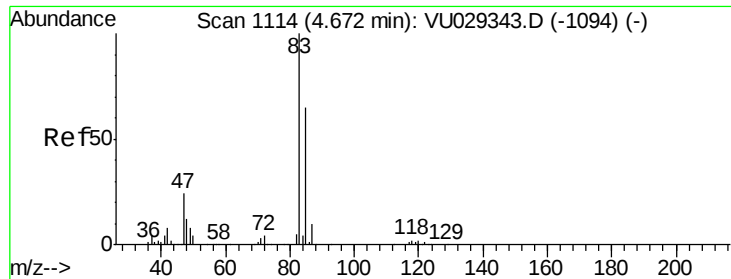


#26

Bromochloromethane
 Concen: 2.141 ug/l
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VU029361.D
 Acq: 06 Feb 2019 14:41

Tgt Ion	128	Resp	14641
Ion Ratio	Lower	Upper	
128	100		
49	132.7	0.0	401.6
130	122.7	108.0	162.0





#27

Chloroform

Concen: 1.994 ug/l

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBSD01

Tot Ion: 83 Resp: 50496

Ion Ratio Lower Upper

83 100

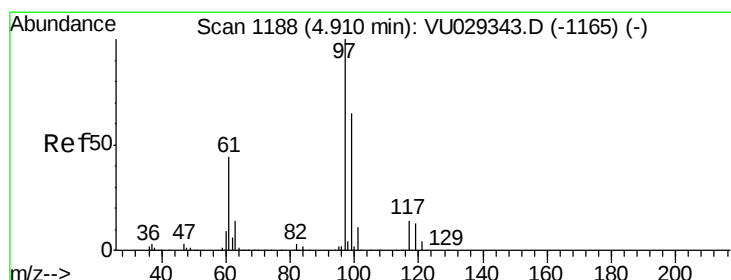
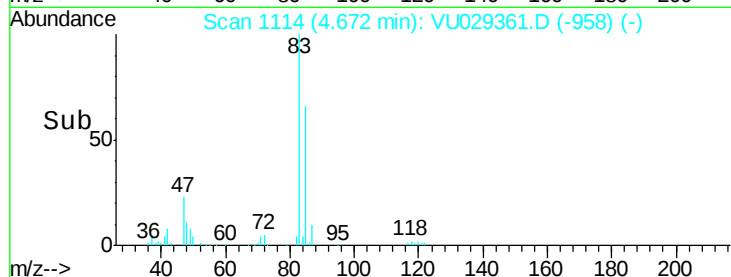
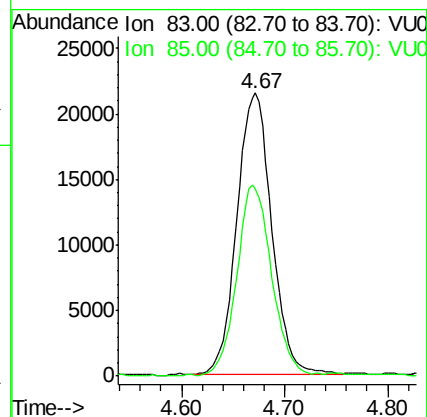
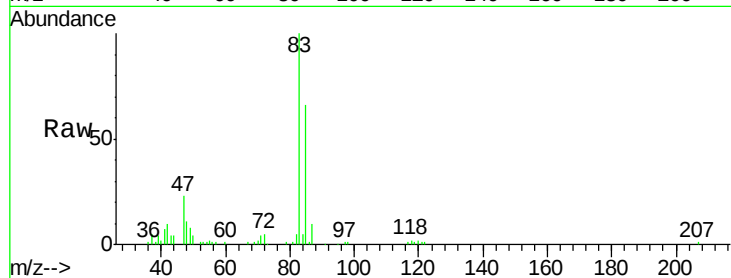
85 65.8 0.0 126.6

Manual Integrations

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#28

1,1,1-Trichloroethane

Concen: 2.039 ug/l

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

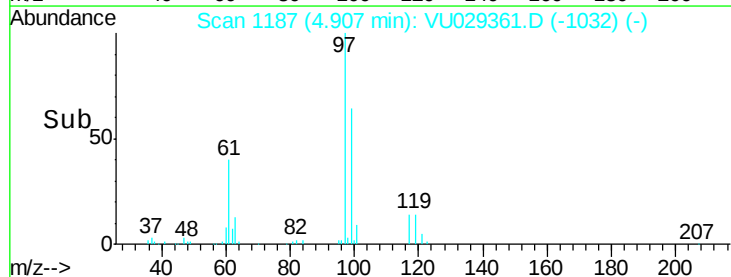
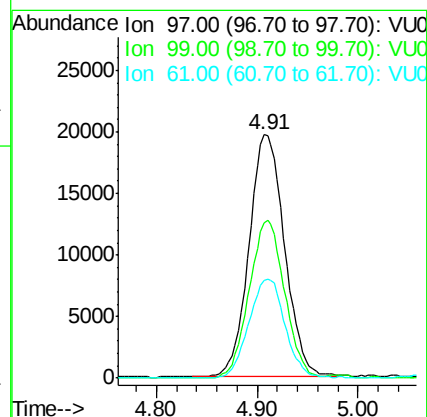
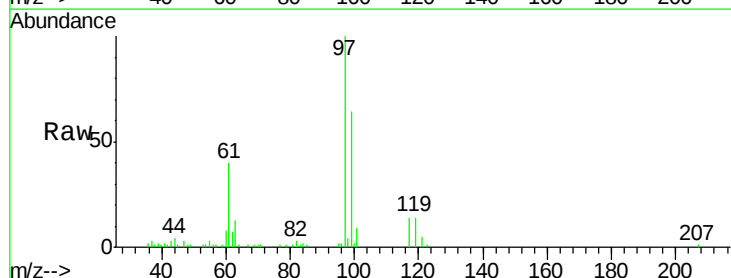
Tgt Ion: 97 Resp: 47869

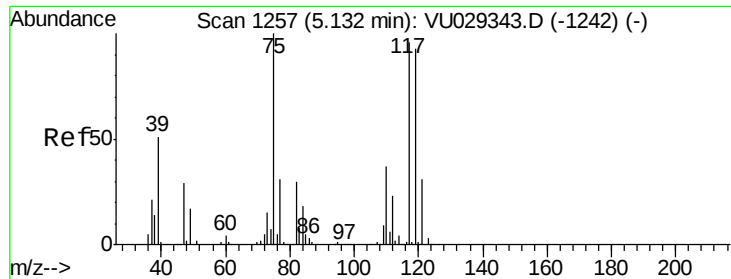
Ion Ratio Lower Upper

97 100

99 65.0 32.4 97.2

61 41.7 24.4 73.2





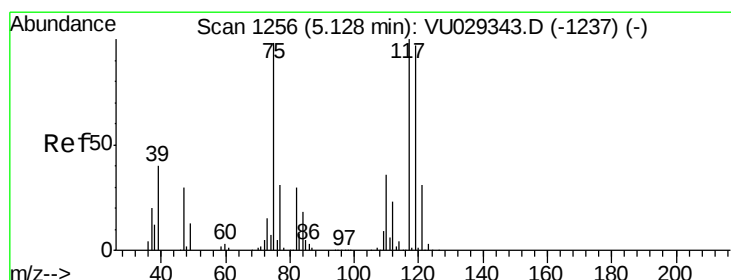
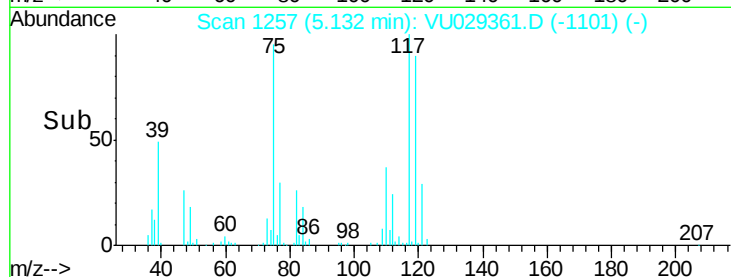
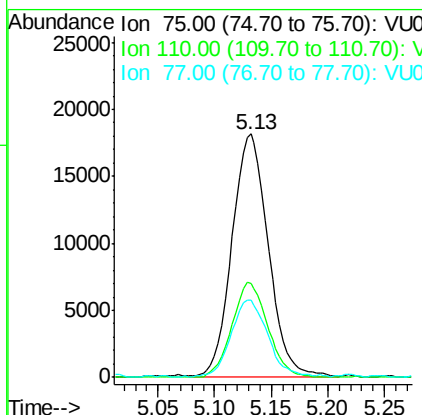
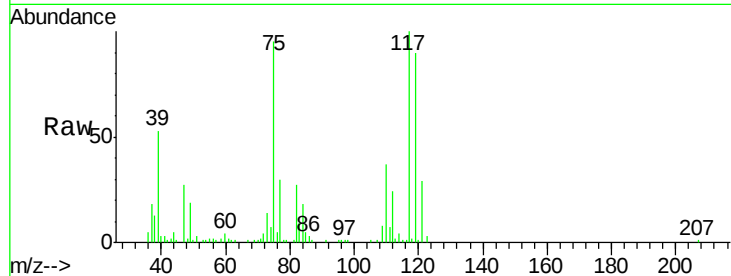
#29
 1,1-Dichloropropene
 Concen: 2.002 ug/l
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VU029361.D
 Acq: 06 Feb 2019 14:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0206WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.2	15.4	46.2
77	32.0	24.1	36.1

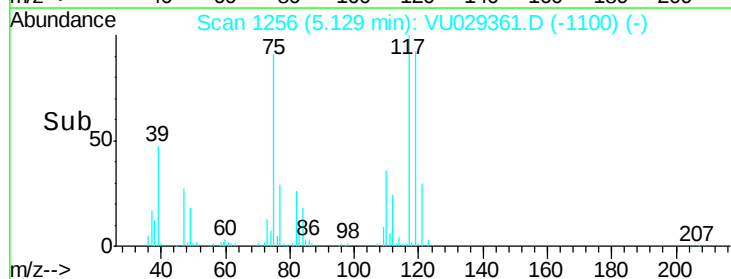
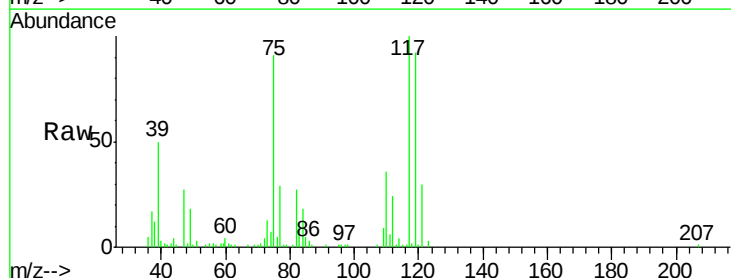
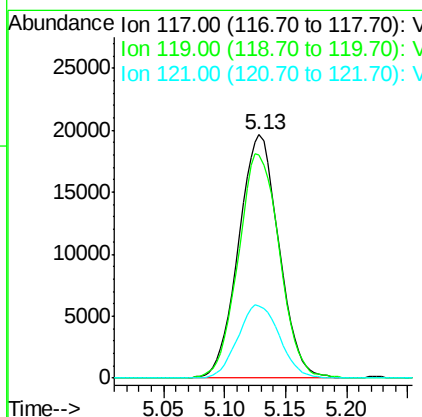
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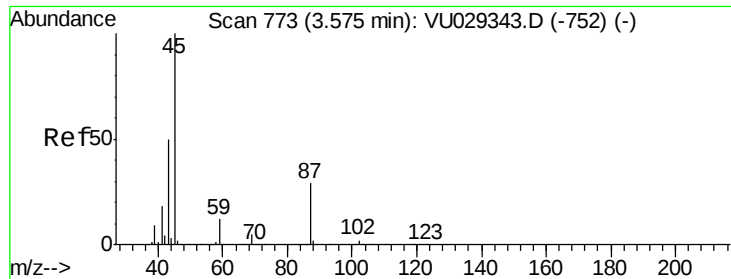
sam
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#30
 Carbon Tetrachloride
 Concen: 2.109 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU029361.D
 Acq: 06 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	76.8	115.2
121	29.7	24.4	36.6





#31

Isopropyl Ether

Concen: 1.895 ug/l

RT: 3.57 min Scan# 772

Delta R.T. -0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Tot Ion: 45 Resp: 74459

Ion Ratio Lower Upper

45 100

43 48.3 28.4 85.3

Instrument :

MSVOA_U

ClientSampleId :

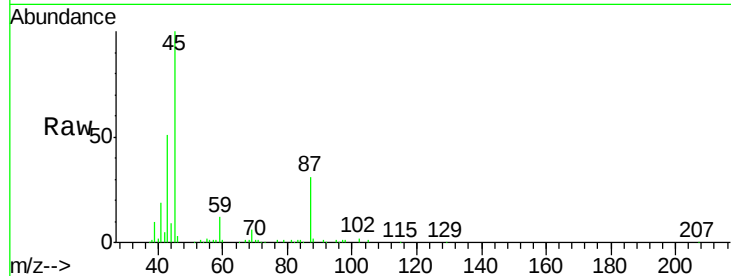
VU0206WBSD01

Manual Integrations

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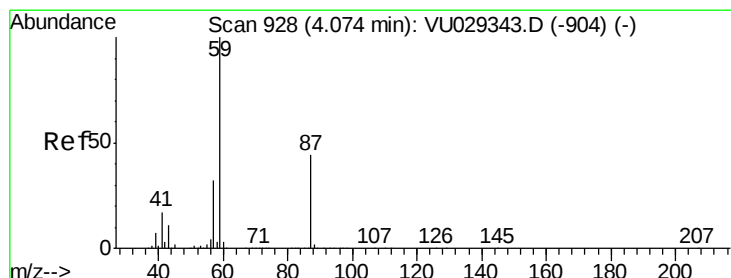
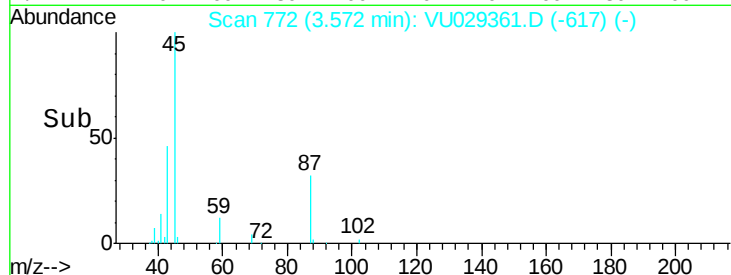
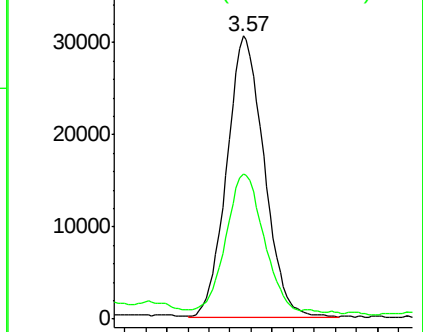
sam

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Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 1.947 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU029361.D

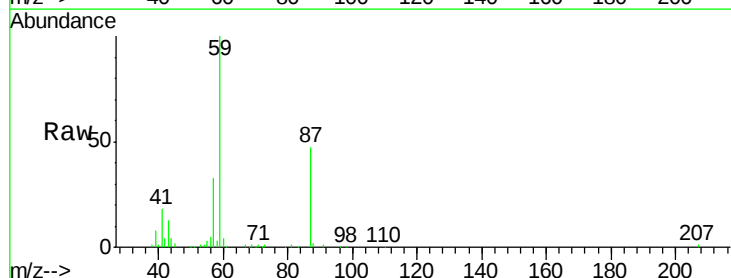
Acq: 06 Feb 2019 14:41

Tgt Ion: 59 Resp: 76675

Ion Ratio Lower Upper

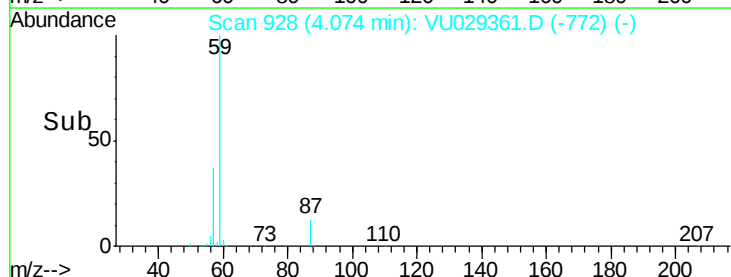
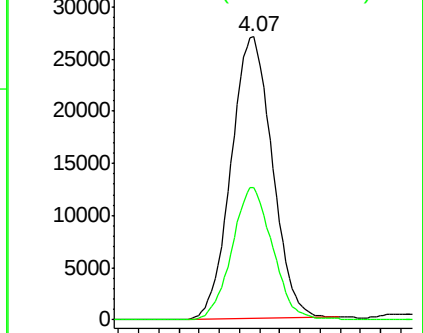
59 100

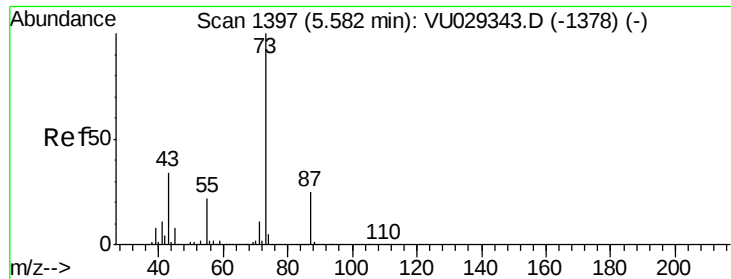
87 45.2 31.1 46.7



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





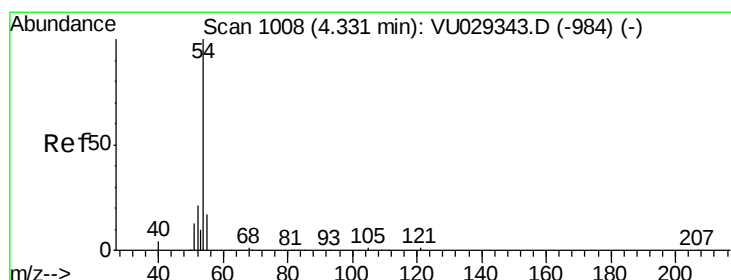
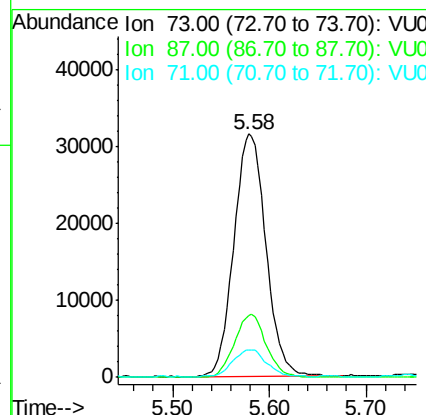
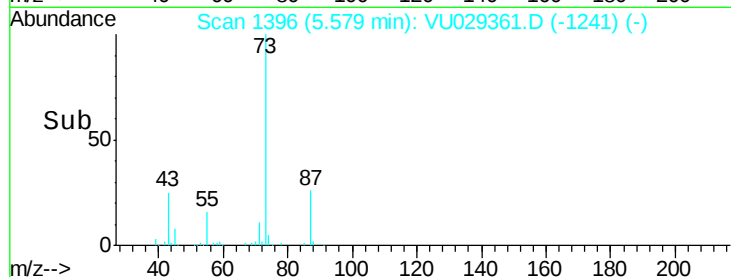
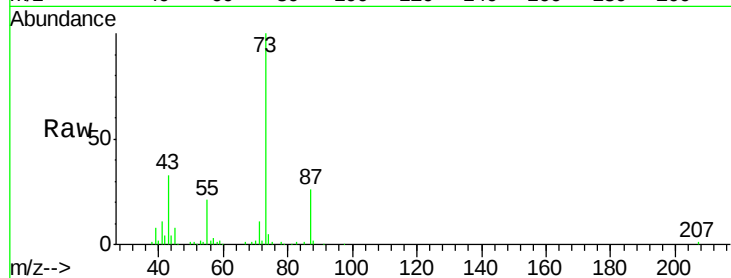
#33
Tert-Amvl methvl ether
Concen: 2.048 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Instrument :
MSVOA_U
ClientSampleId :
VU0206WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
87	25.5	19.4	29.0
71	11.8	9.0	13.4

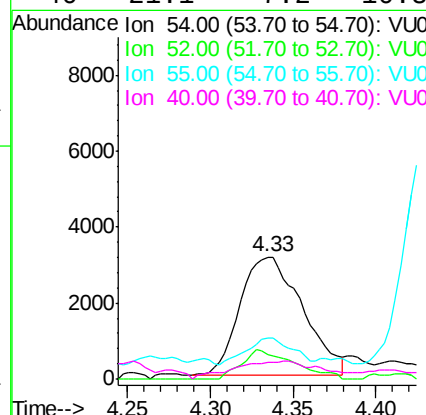
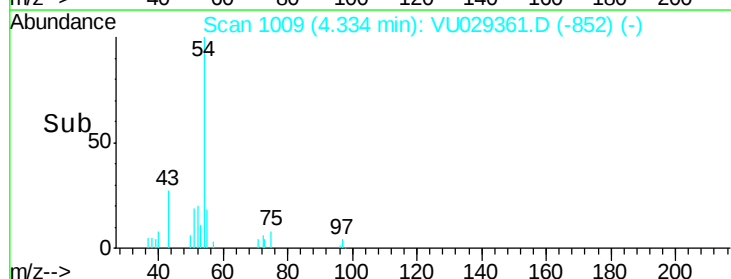
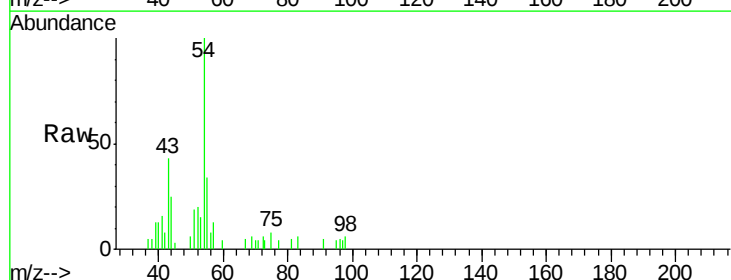
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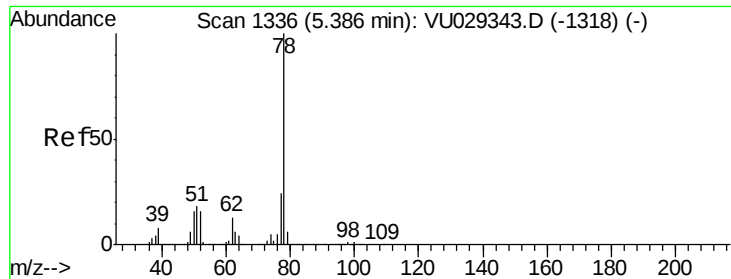
sam
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#34
Propionitrile
Concen: 8.671 ug/l
RT: 4.33 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.8	18.9	28.3
55	16.1	15.1	22.7
40	21.1	7.2	10.8#





#35

Benzene

Concen: 2.018 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBSD01

Tot Ion: 78 Resp: 113733

Ion Ratio Lower Upper

78 100

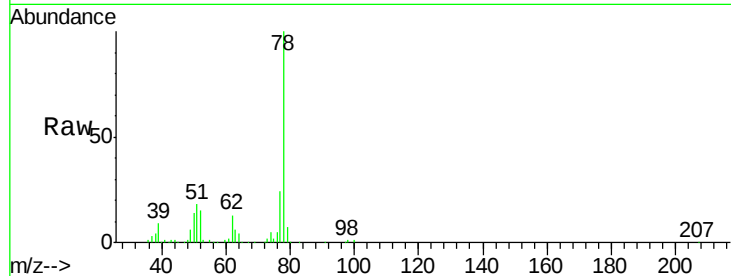
77 24.4 19.8 29.8

Manual Integrations

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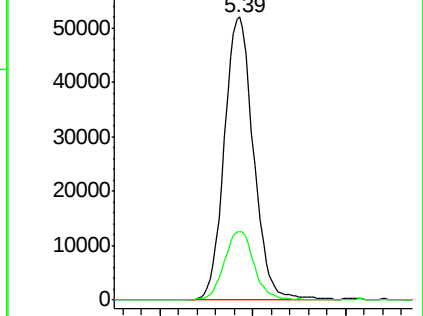
sam

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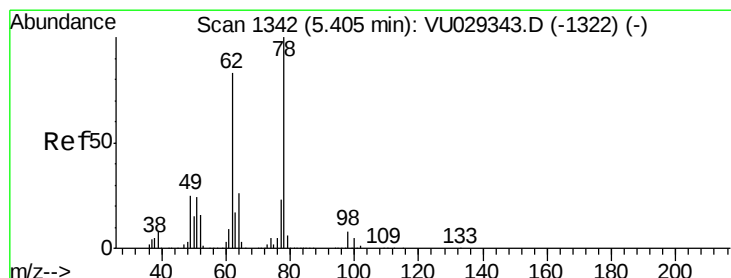
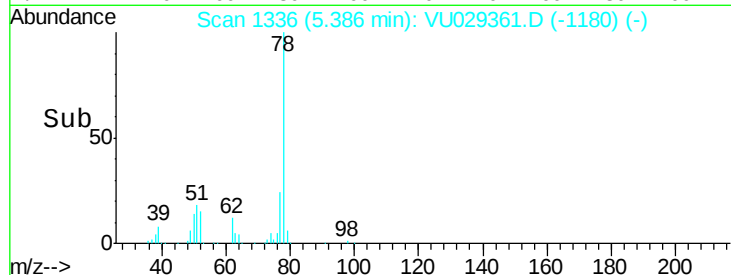


Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->



#36

1,2-Dichloroethane

Concen: 1.954 ug/l

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU029361.D

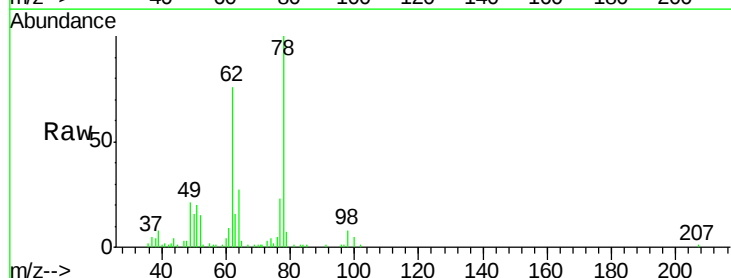
Acq: 06 Feb 2019 14:41

Tgt Ion: 62 Resp: 33310

Ion Ratio Lower Upper

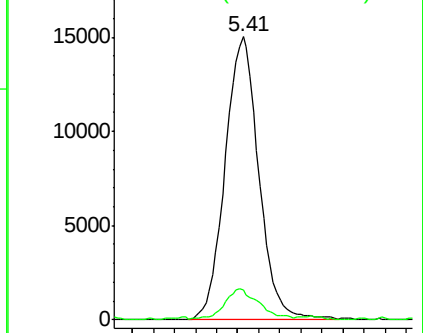
62 100

98 11.4 4.9 7.3#

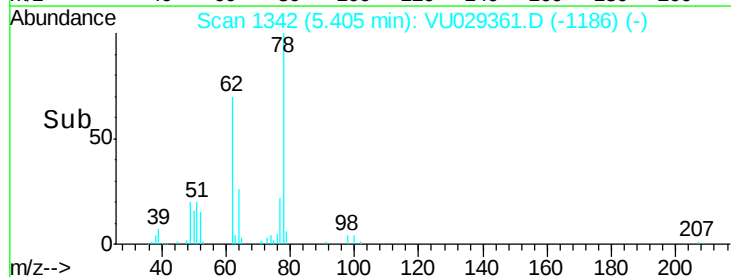


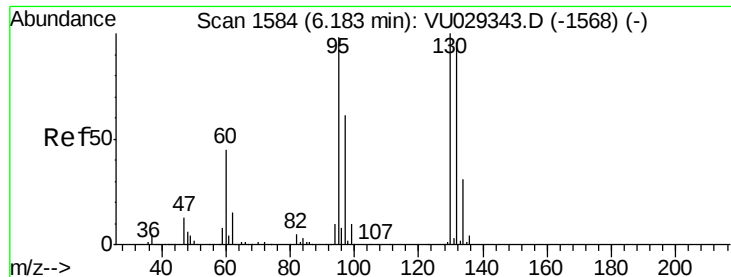
Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



Time-->





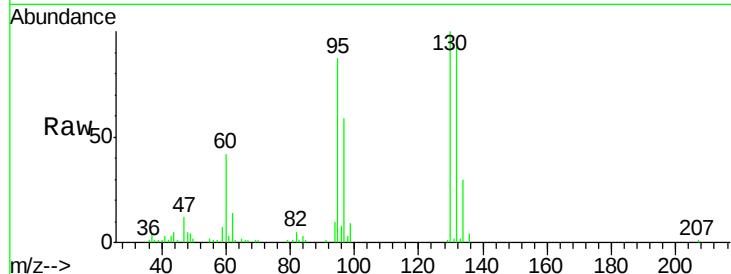
#37
 Trichloroethene
 Concen: 2.121 ug/l
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU029361.D
 Acq: 06 Feb 2019 14:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0206WBSD01

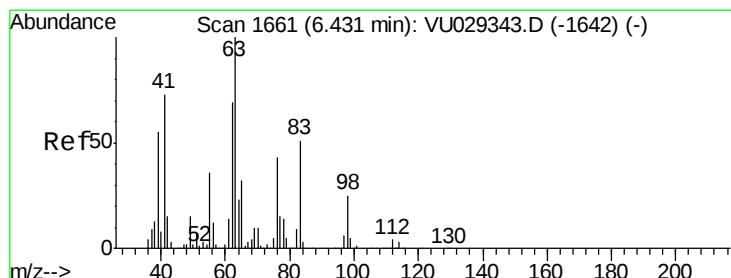
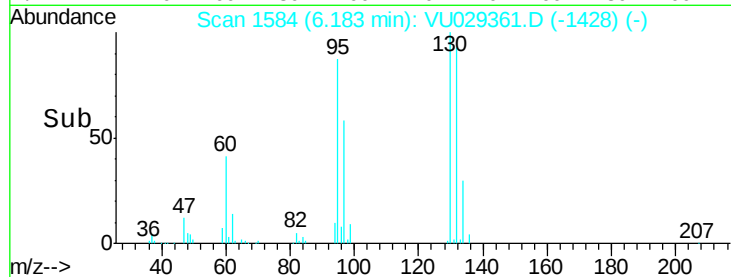
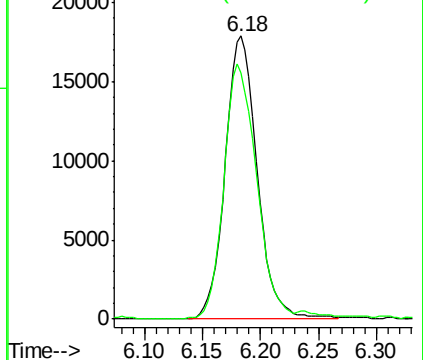
Tot Ion:130 Resp: 34306
 Ion Ratio Lower Upper
 130 100
 95 86.6 85.4 128.0

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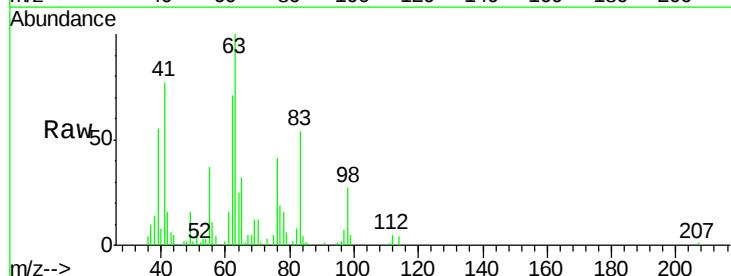


Abundance Ion 129.90 (129.60 to 130.60): VU029343.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU029361.D (-1428) (-)

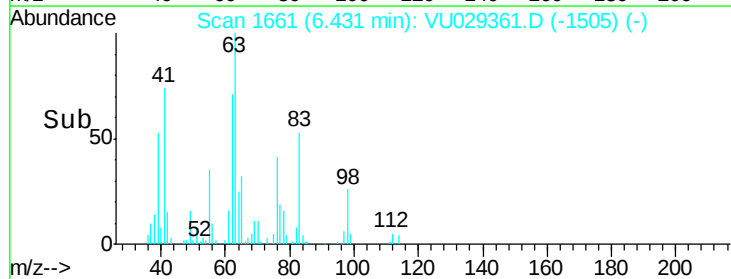
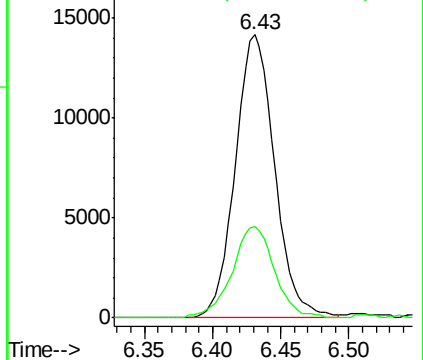


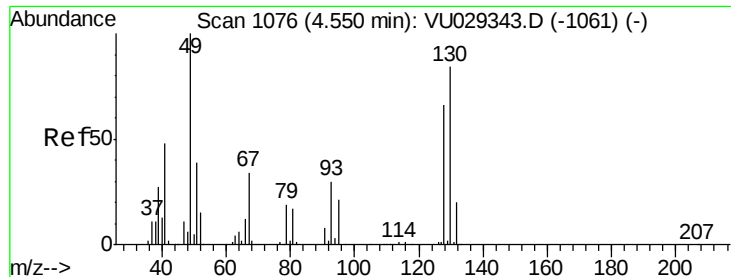
#38
 1,2-Dichloropropane
 Concen: 1.941 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029361.D
 Acq: 06 Feb 2019 14:41

Tgt Ion: 63 Resp: 28459
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU029343.D (-1642) (-)
 Ion 65.00 (64.70 to 65.70): VU029361.D (-1505) (-)





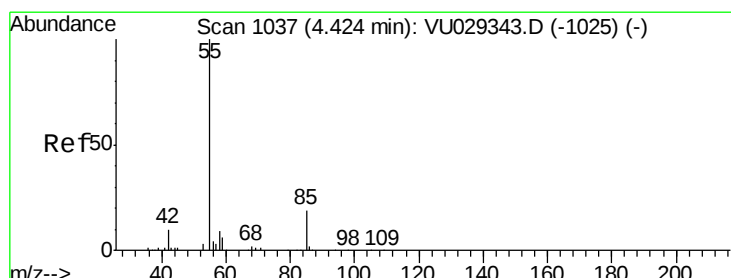
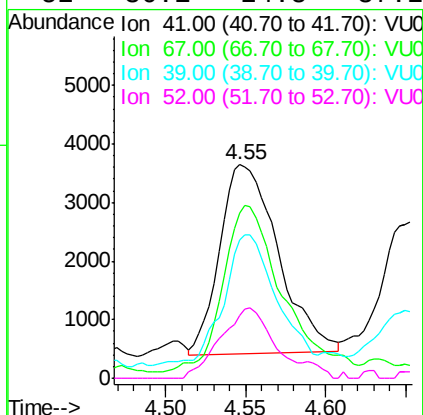
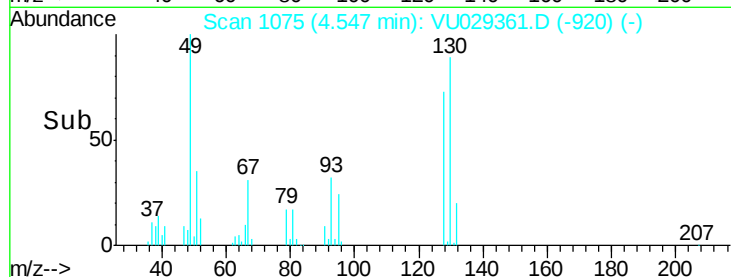
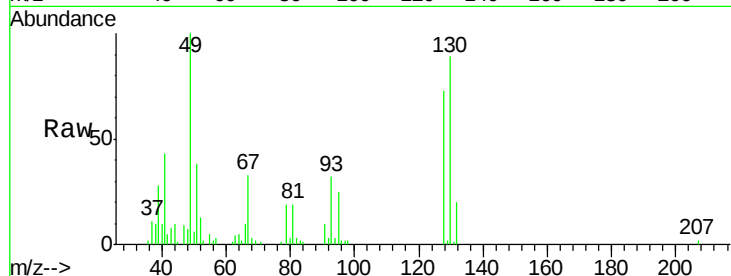
#39
Methacrylonitrile
Concen: 1.689 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Instrument :
MSVOA_U
ClientSampleId :
VU0206WBSD01

Tot Ion	41	Resp	8067
Ion	Ratio	Lower	Upper
41	100		
67	89.3	50.1	75.1#
39	63.1	47.9	71.9
52	36.1	24.8	37.2

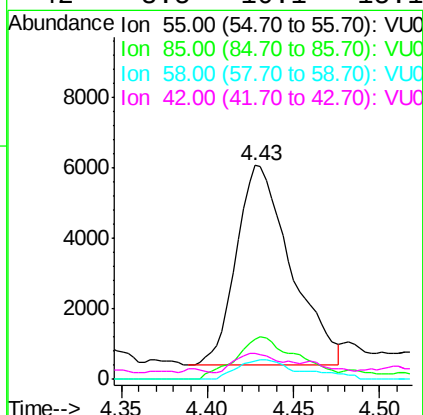
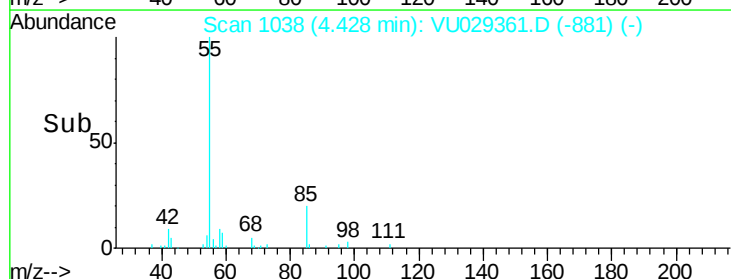
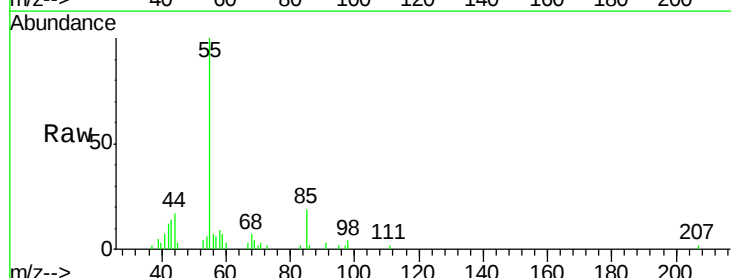
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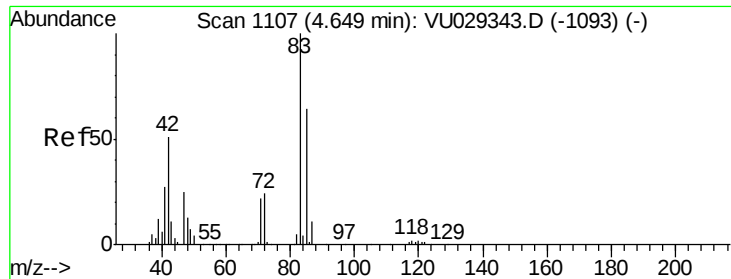
sam
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#40
Methyl acrylate
Concen: 1.731 ug/l
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Tgt Ion	55	Resp	12482
Ion	Ratio	Lower	Upper
55	100		
85	23.9	11.3	16.9#
58	11.2	6.2	9.4#
42	8.5	10.1	15.1#





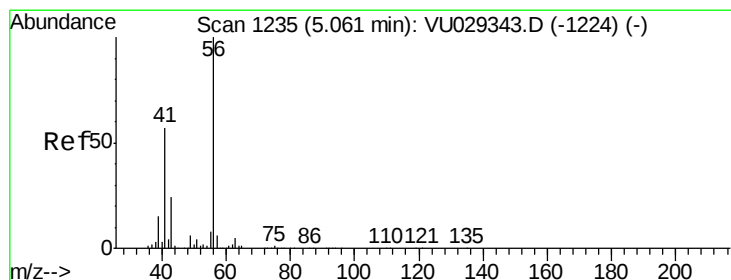
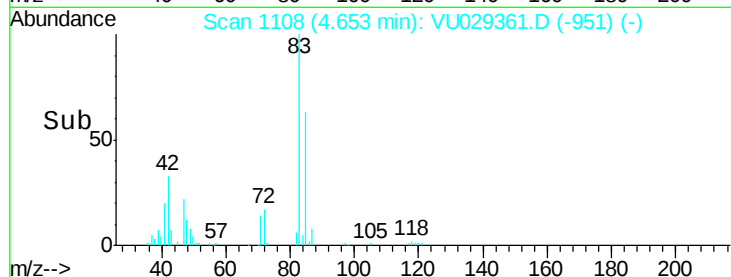
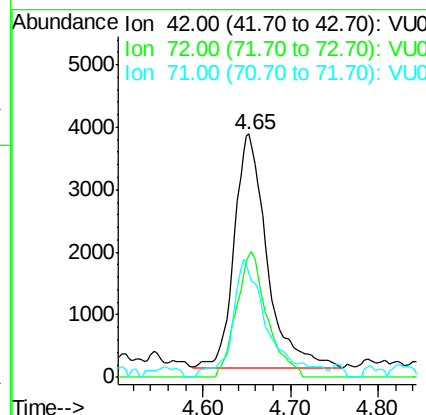
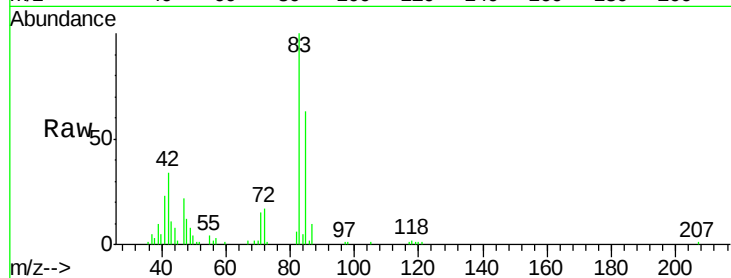
#41
Tetrahydrofuran
Concen: 4.062 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Instrument :
MSVOA_U
ClientSampleId :
VU0206WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.0	33.1	49.7#
71	49.9	30.2	45.2#

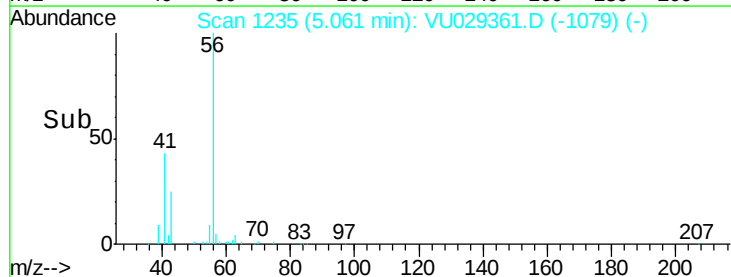
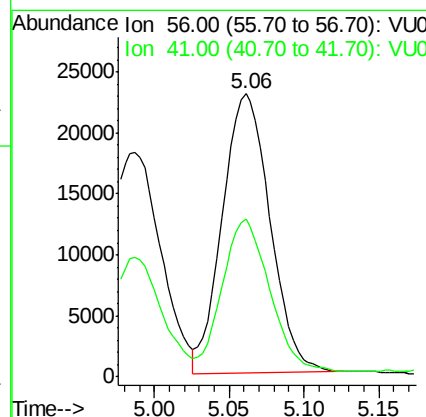
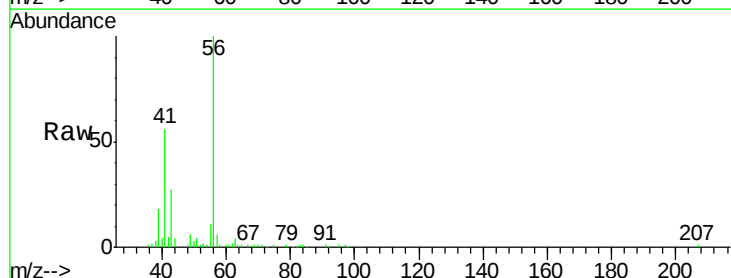
Manual Integrations
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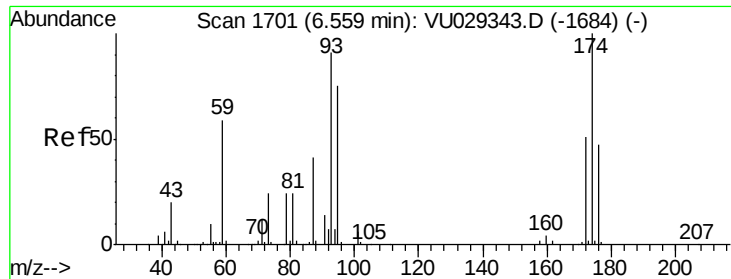
sam
2/8/2019 2:27:39 PM



#42
1-Chlorobutane
Concen: 1.862 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
56	100		
41	53.9	31.3	93.8





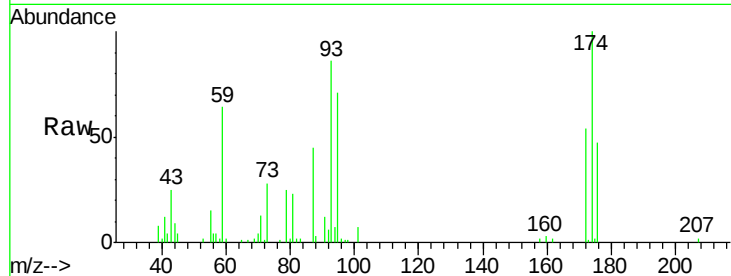
#43
Dibromomethane
Concen: 1.951 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Instrument :
MSVOA_U
ClientSampleId :
VU0206WBSD01

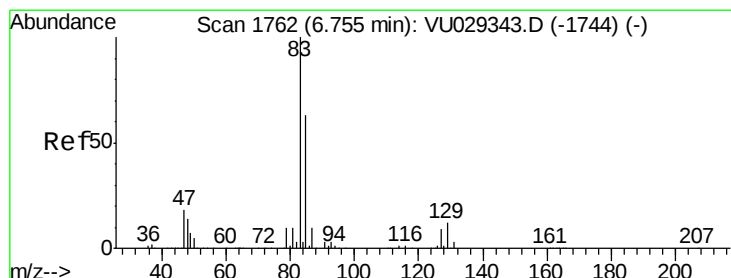
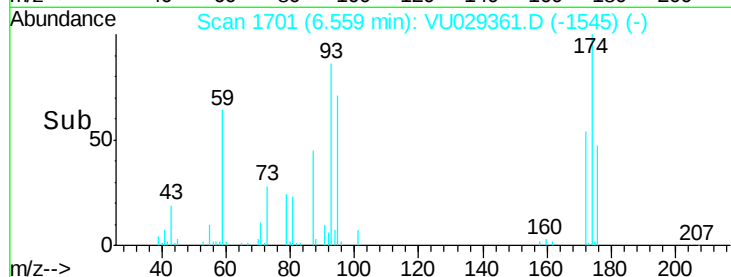
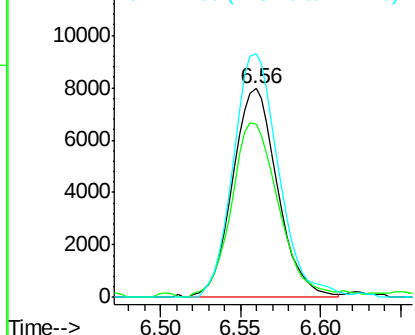
Tot Ion: 93 Resp: 15245
Ion Ratio Lower Upper
93 100
95 87.9 68.2 102.2
174 118.5 77.6 116.4#

Manual Integrations
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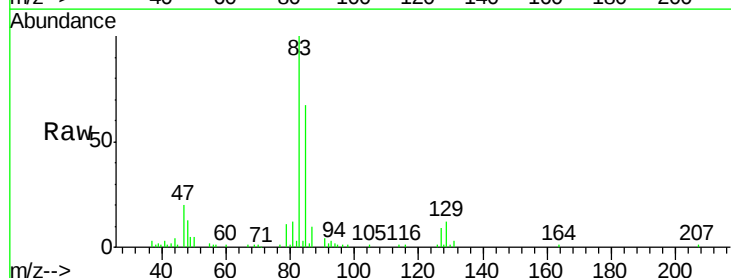


Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V

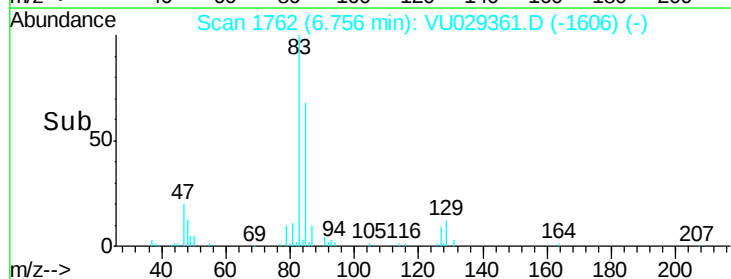
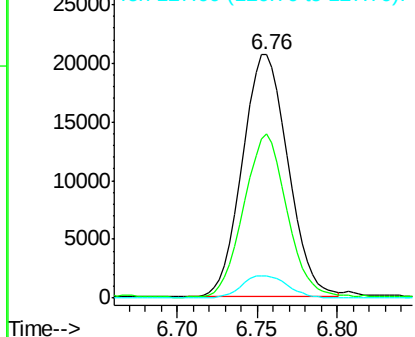


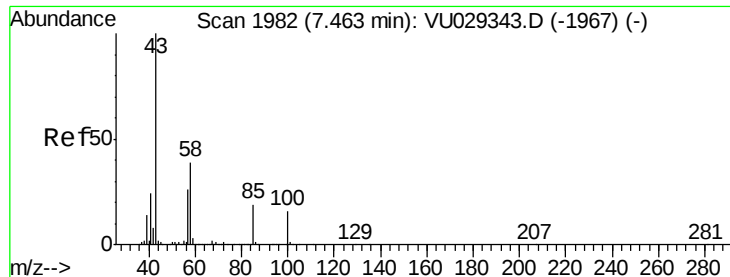
#44
Bromodichloromethane
Concen: 2.015 ug/l
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Tgt Ion: 83 Resp: 40106
Ion Ratio Lower Upper
83 100
85 67.2 49.2 73.8
127 9.1 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V





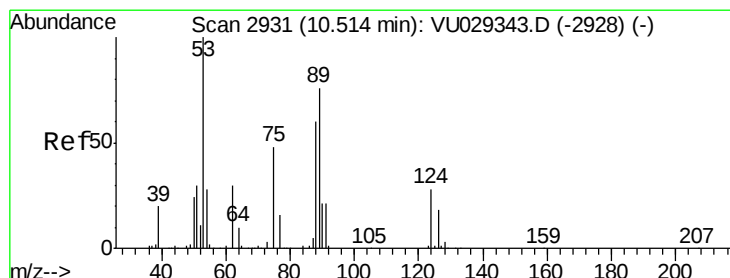
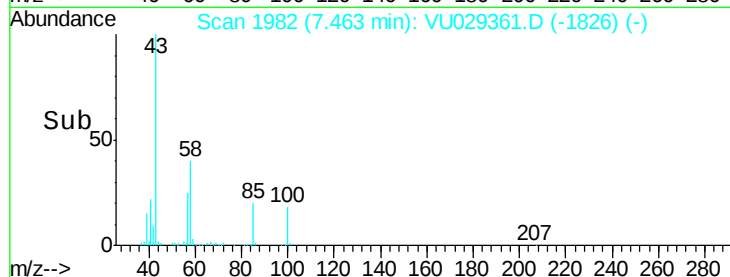
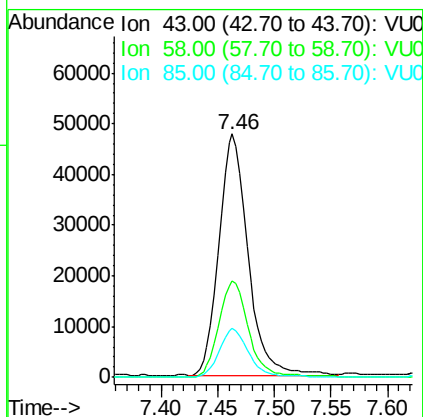
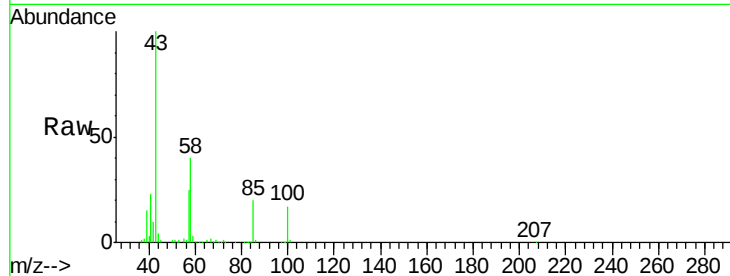
#45
 4-Methyl-2-Pentanone
 Concen: 9.338 ug/l
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU029361.D
 Acq: 06 Feb 2019 14:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0206WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.3	17.6	52.8
85	20.6	12.3	18.5

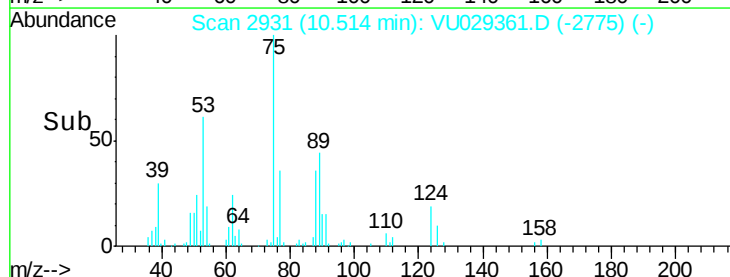
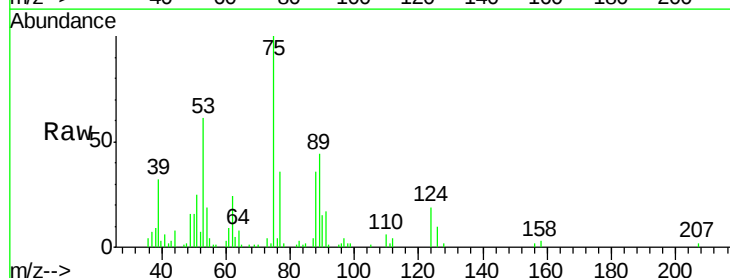
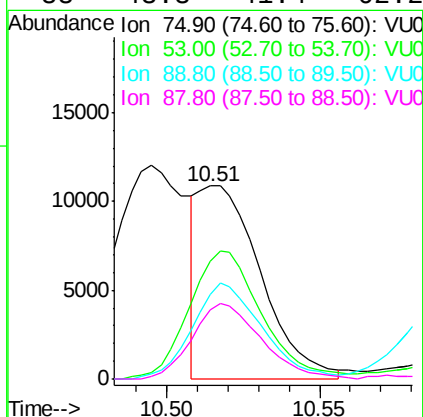
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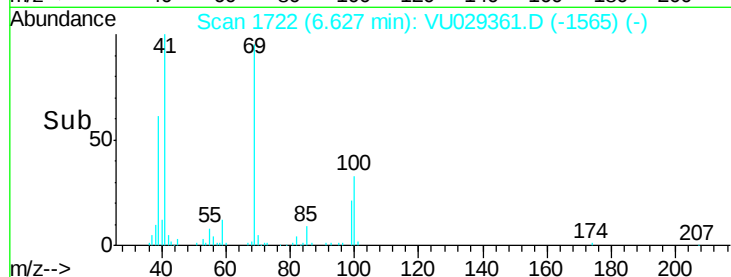
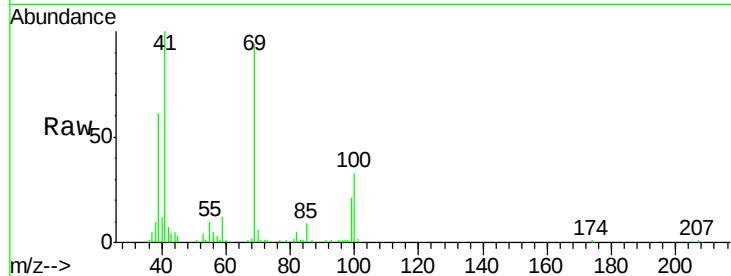
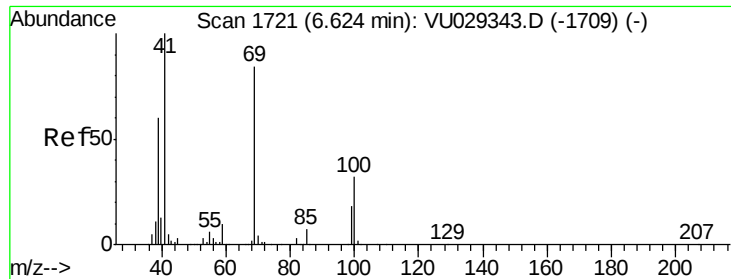
sam
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#46
 t-1,4-Dichloro-2-butene
 Concen: 3.456 ug/l m
 RT: 10.51 min Scan# 2931
 Delta R.T. 0.00 min
 Lab File: VU029361.D
 Acq: 06 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
75	100		
53	77.5	78.2	117.4
89	55.3	44.2	66.4
88	43.3	41.4	62.2





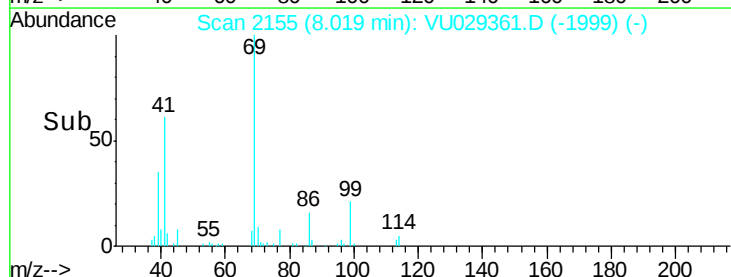
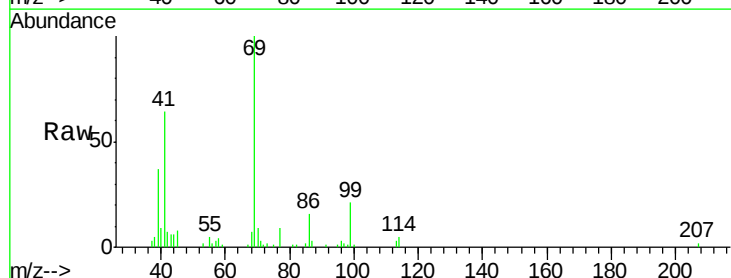
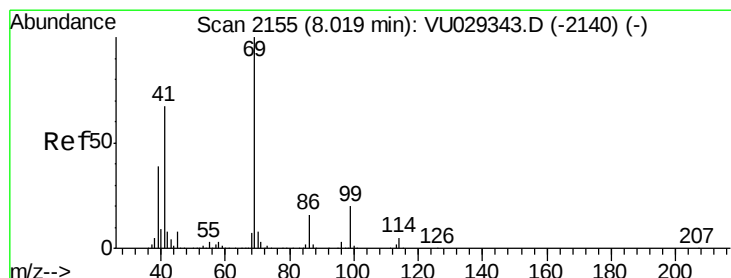
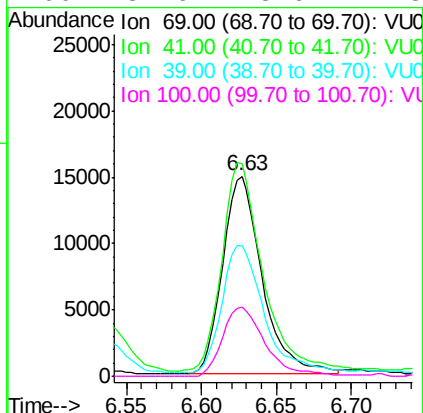
#47
Methyl methacrylate
Concen: 3.993 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		27449		
41	109.8	0.0	296.2		
39	68.7	71.2	106.8		
100	37.6	28.6	42.8		

Instrument :
MSVOA_U
ClientSampleId :
VU0206WBSD01

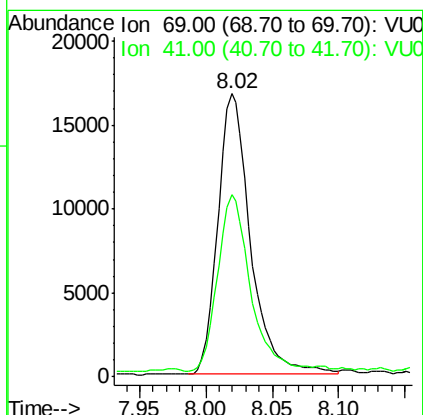
Manual Integrations
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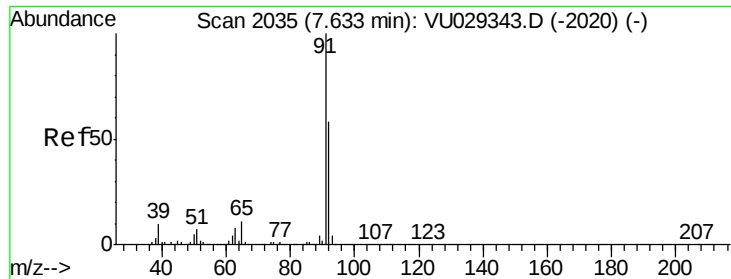
sam
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#48
Ethyl methacrylate
Concen: 1.942 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		28642		
41	62.2	39.9	119.7		





#49

Toluene

Concen: 2.006 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBSD01

Tot Ion: 92 Resp: 72329

Ion Ratio Lower Upper

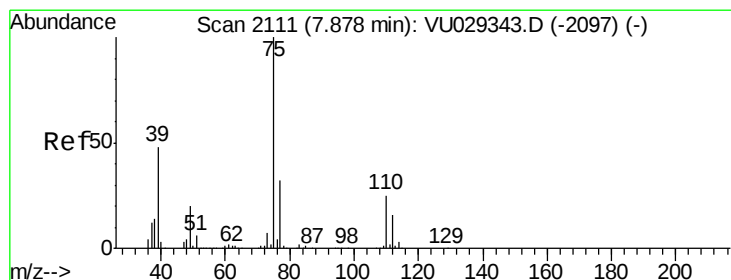
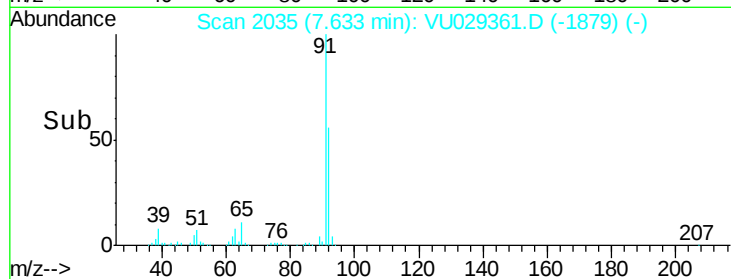
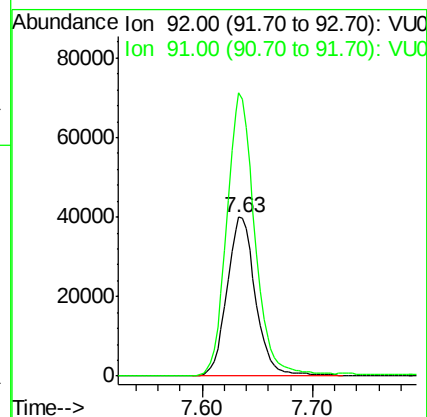
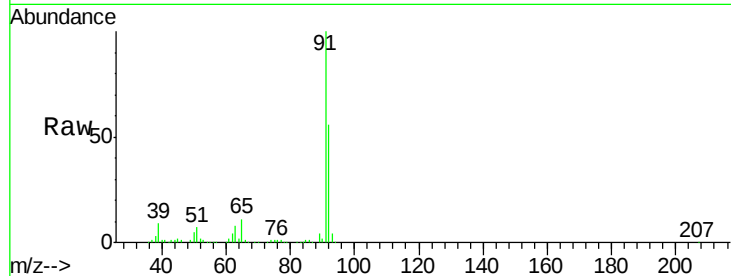
92 100

91 173.0 140.7 211.1

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#50

t-1,3-Dichloropropene

Concen: 1.904 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029361.D

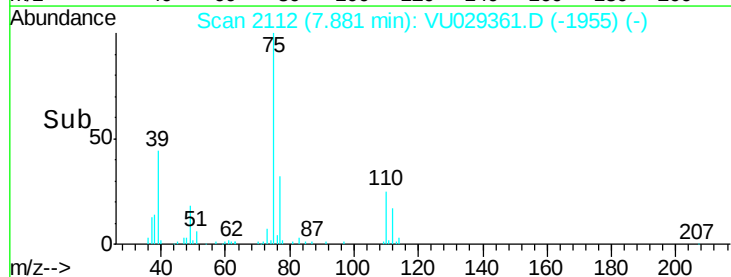
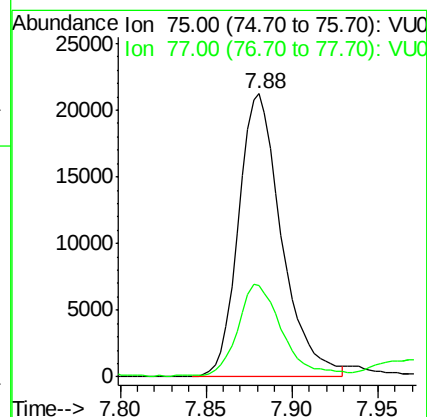
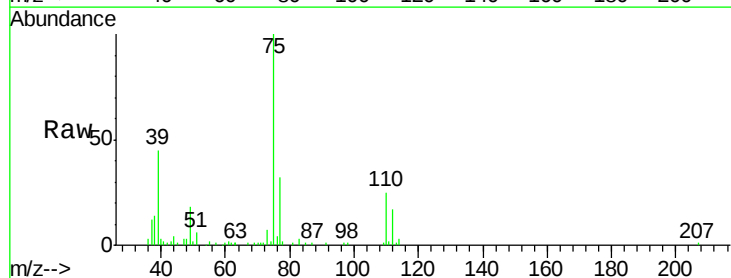
Acq: 06 Feb 2019 14:41

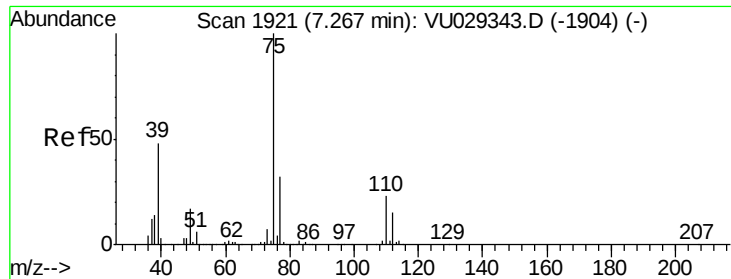
Tgt Ion: 75 Resp: 37144

Ion Ratio Lower Upper

75 100

77 31.4 23.6 35.4





#51

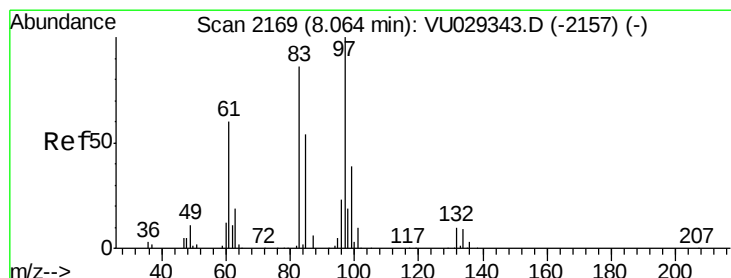
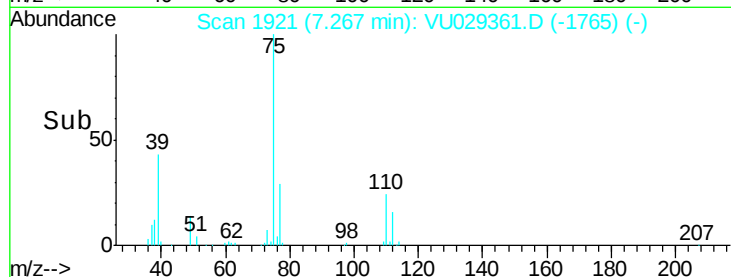
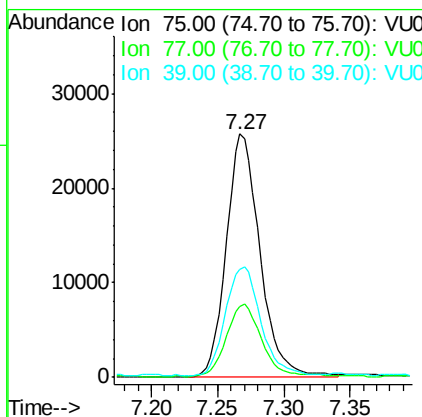
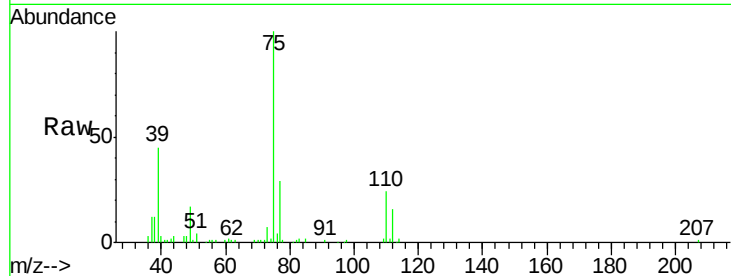
cis-1,3-Dichloropropene
 Concen: 1.963 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029361.D
 Acq: 06 Feb 2019 14:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0206WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.3	24.9	37.3
39	43.6	47.2	70.8#

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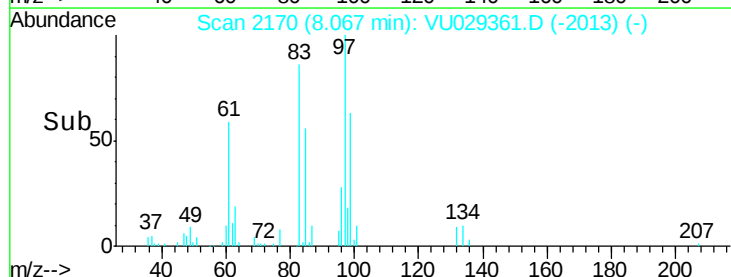
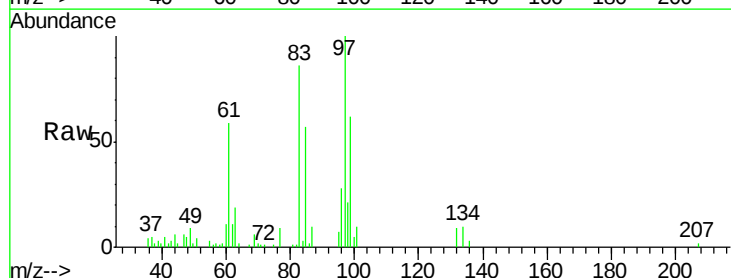
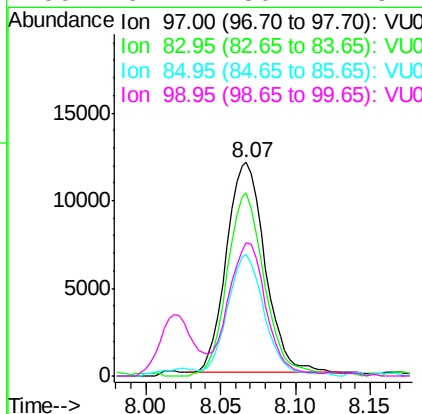
sam
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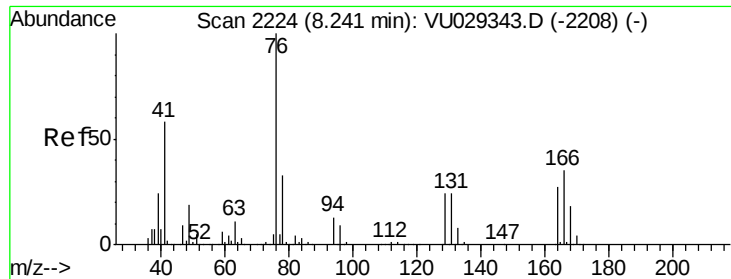


#52

1,1,2-Trichloroethane
 Concen: 2.072 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU029361.D
 Acq: 06 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.2	69.9	104.9
85	57.9	45.8	68.6
99	62.1	50.2	75.2





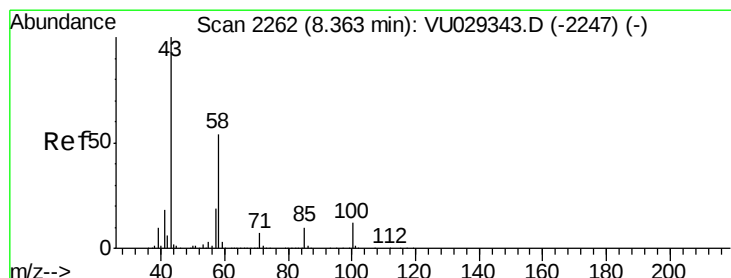
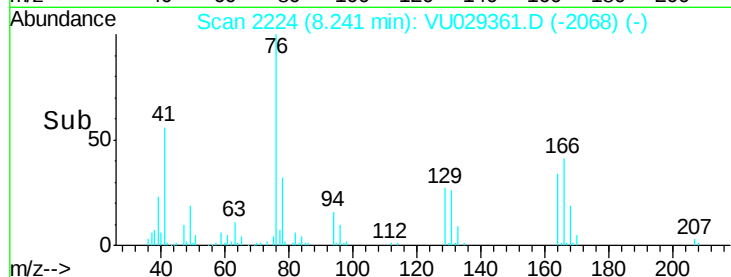
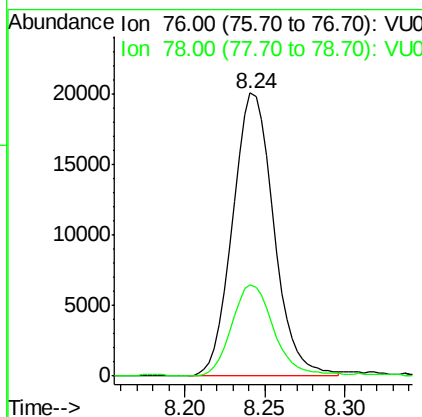
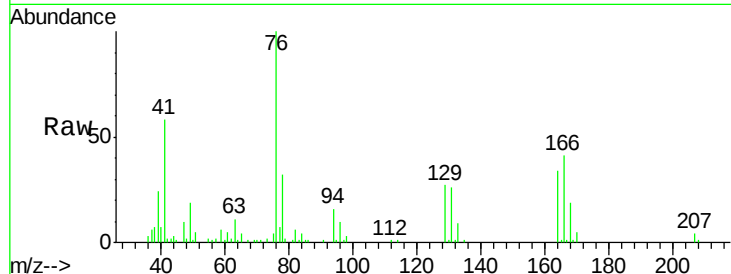
#53
 1,3-Dichloropropane
 Concen: 1.939 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029361.D
 Acq: 06 Feb 2019 14:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0206WBSD01

Tot Ion: 76 Resp: 35223
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.3 39.5

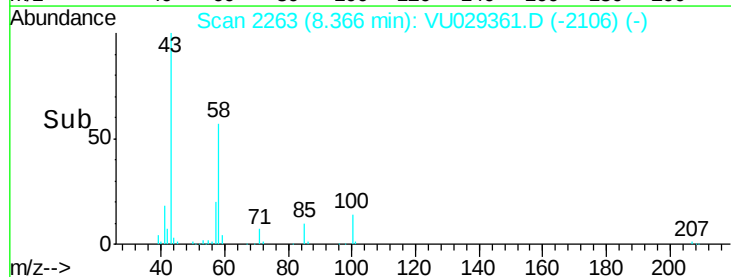
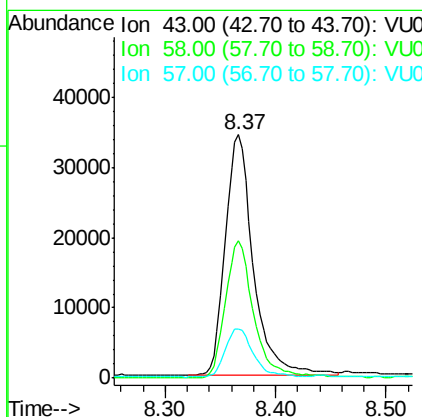
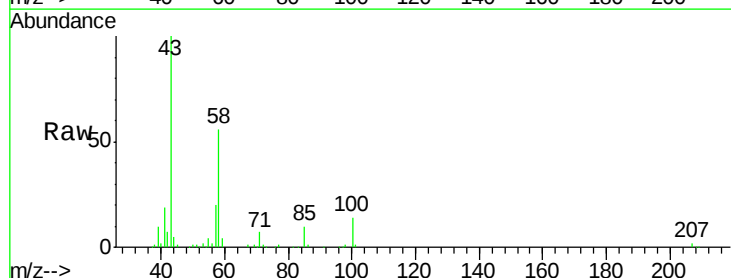
Manual Integrations
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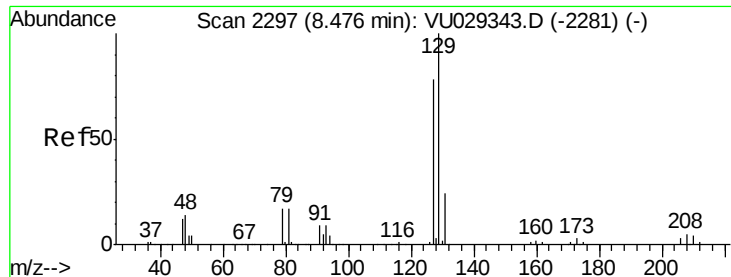
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#54
 2-Hexanone
 Concen: 9.485 ug/l
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.00 min
 Lab File: VU029361.D
 Acq: 06 Feb 2019 14:41

Tgt Ion: 43 Resp: 60888
 Ion Ratio Lower Upper
 43 100
 58 57.1 26.0 66.0
 57 19.4 0.0 37.7





#55

Dibromochloromethane

Concen: 2.071 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBSD01

Tot Ion:129 Resp: 30445

Ion Ratio Lower Upper

129 100

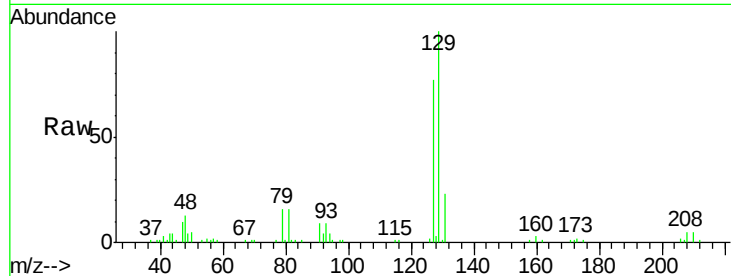
127 76.0 60.5 90.7

Manual Integrations

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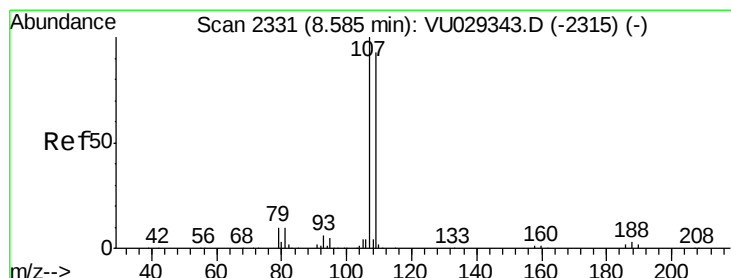
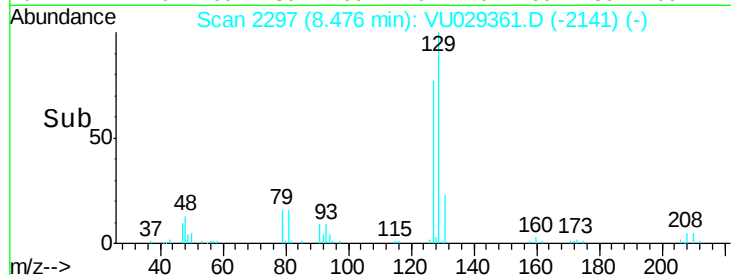
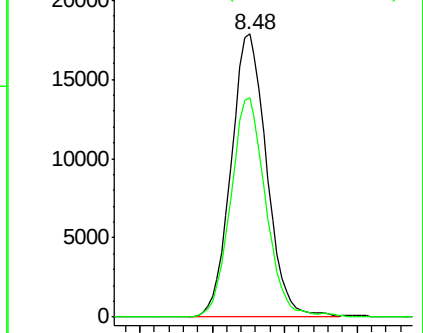
sam

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 2.032 ug/l

RT: 8.59 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU029361.D

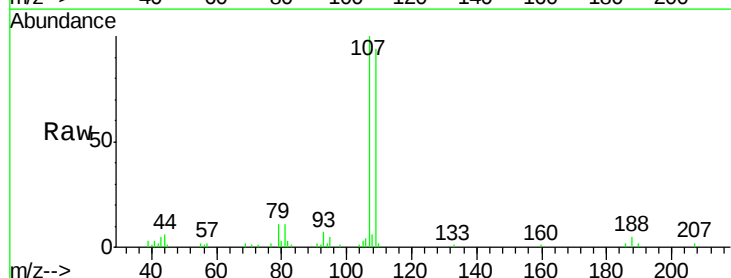
Acq: 06 Feb 2019 14:41

Tgt Ion:107 Resp: 21565

Ion Ratio Lower Upper

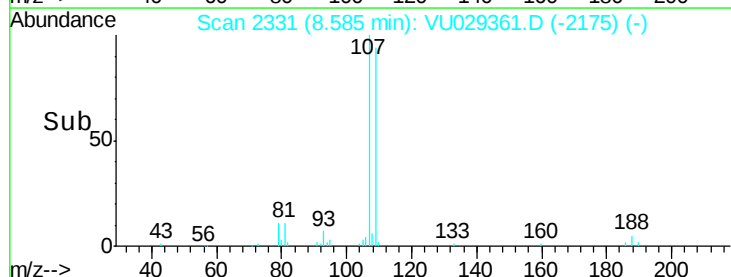
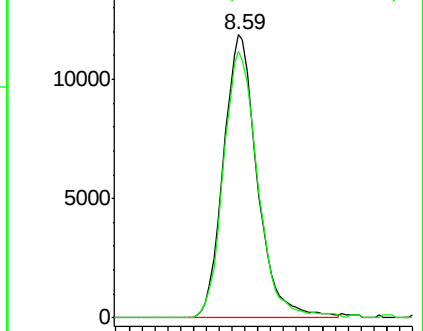
107 100

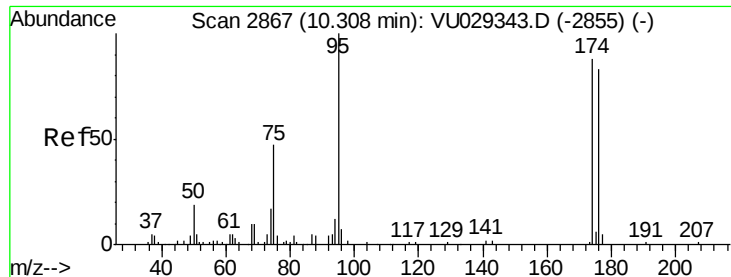
109 95.6 0.0 189.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





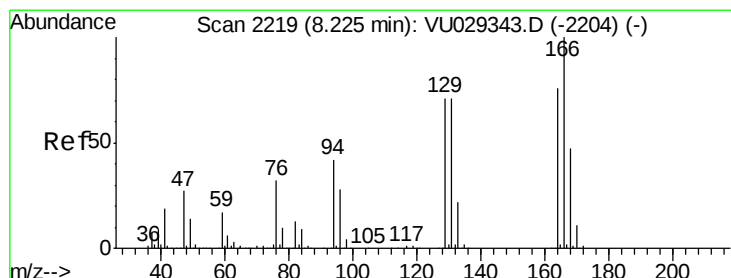
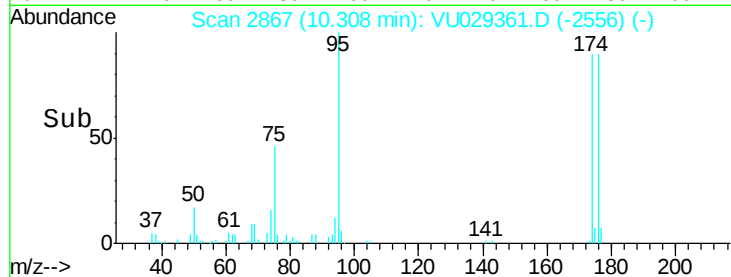
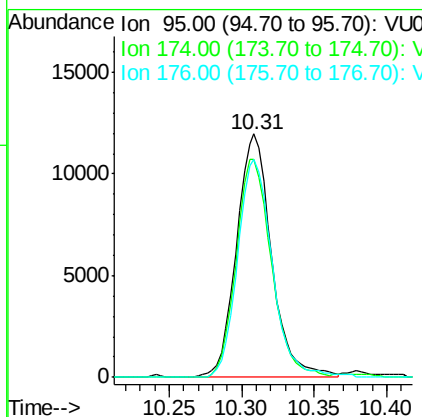
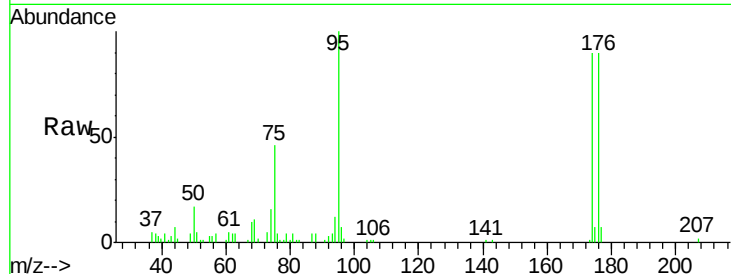
#57
4-Bromofluorobenzene
Concen: 2.032 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Instrument :
MSVOA_U
ClientSampleId :
VU0206WBSD01

Tot Ion	Ratio	Lower	Upper
95	100		
174	90.0	64.2	96.2
176	88.9	62.3	93.5

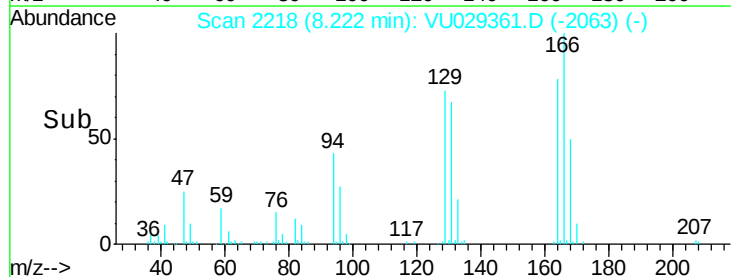
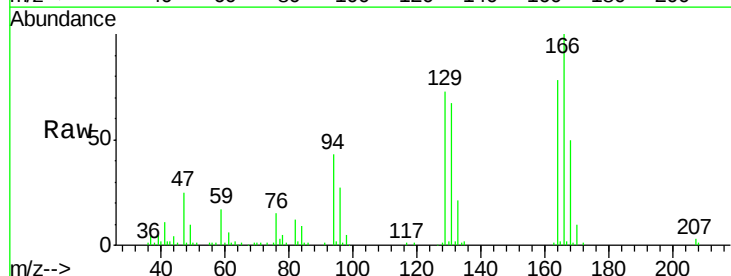
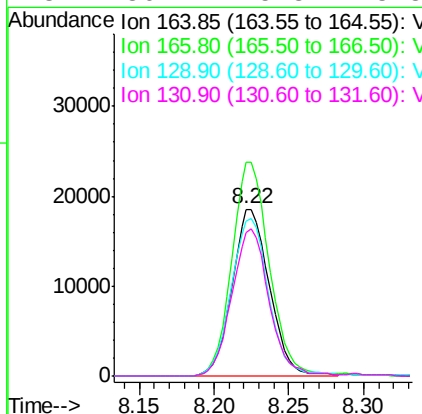
Manual Integrations
APPROVED

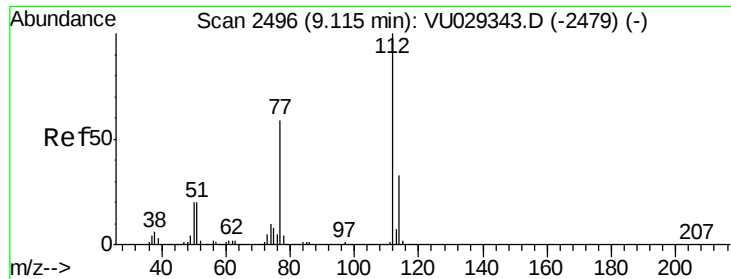
sam
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#58
Tetrachloroethene
Concen: 2.143 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	106.6	159.8
129	92.8	79.9	119.9
131	86.1	75.8	113.8





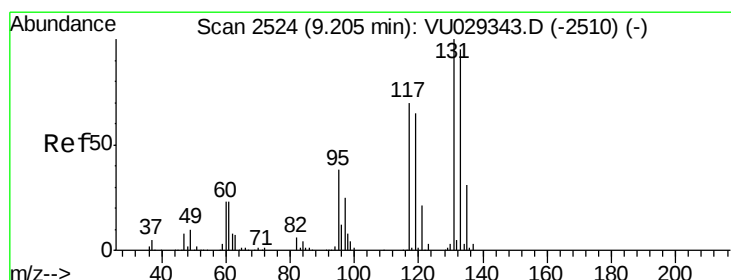
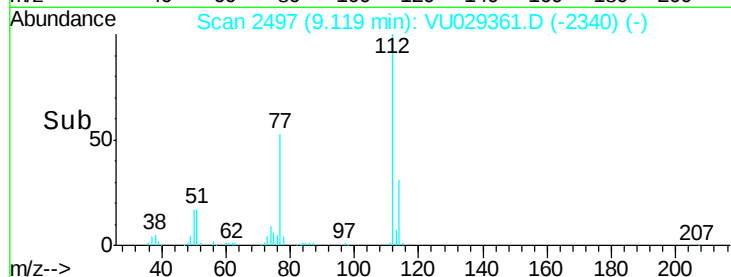
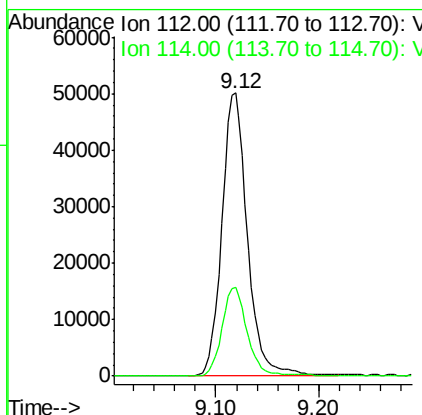
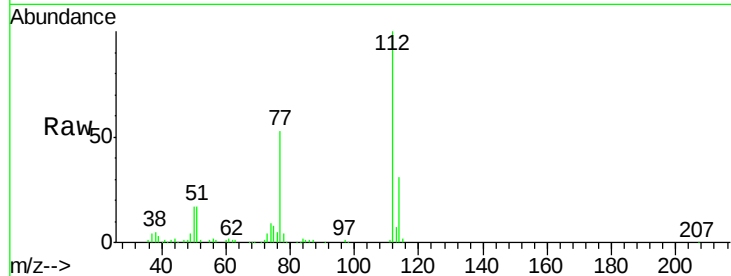
#59
Chlorobenzene
Concen: 2.127 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Instrument :
MSVOA_U
ClientSampleId :
VU0206WBSD01

Tot Ion:112 Resp: 86409
Ion Ratio Lower Upper
112 100
114 31.2 26.2 39.4

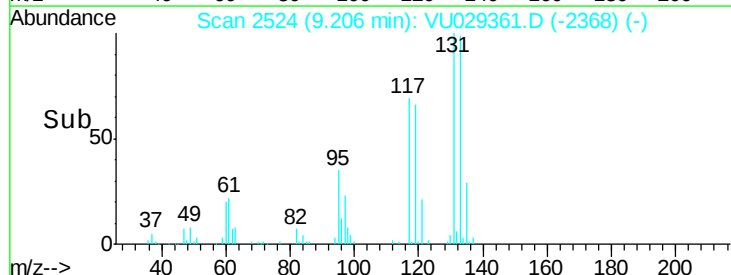
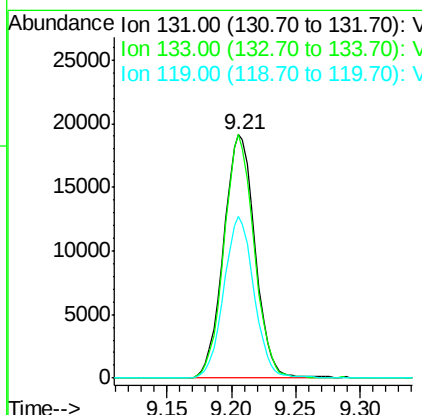
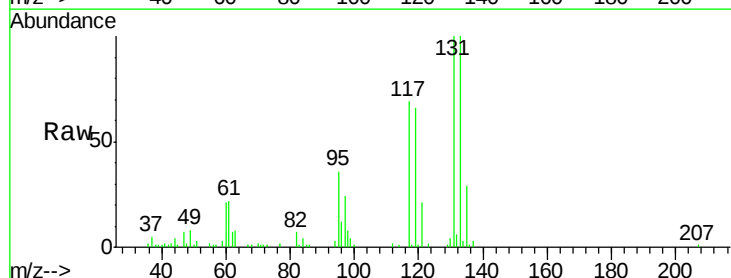
Manual Integrations
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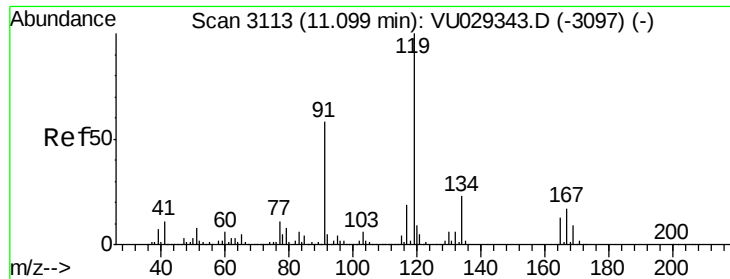
sam
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#60
1,1,1,2-Tetrachloroethane
Concen: 2.157 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Tgt Ion:131 Resp: 32382
Ion Ratio Lower Upper
131 100
133 95.4 77.3 115.9
119 63.3 48.9 73.3





#61

Pentachloroethane

Concen: 2.049 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBSD01

Tot Ion:117 Resp: 23842

Ion Ratio Lower Upper

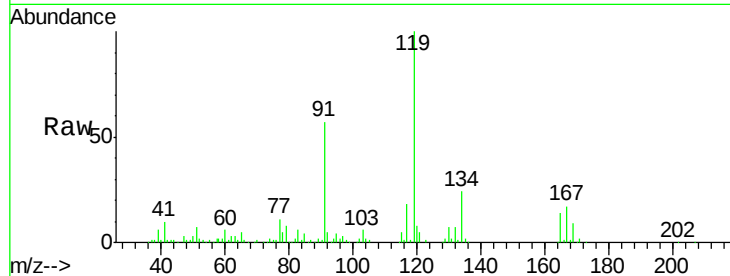
117 100

167 93.0 65.9 98.9

Manual Integrations
APPROVED

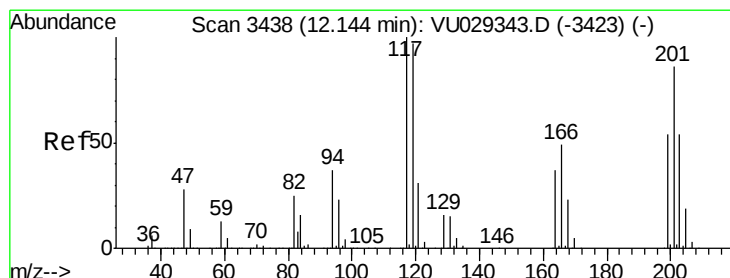
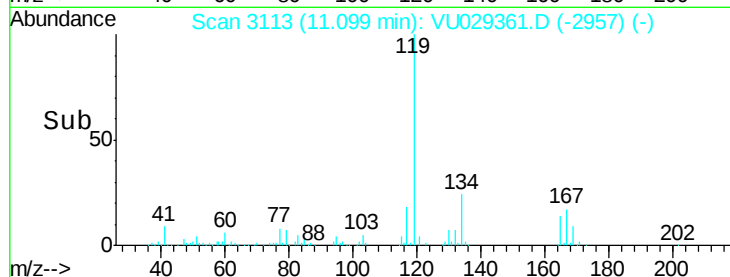
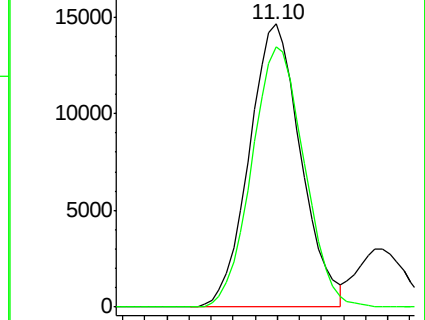
sam

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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: 2.067 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. -0.00 min

Lab File: VU029361.D

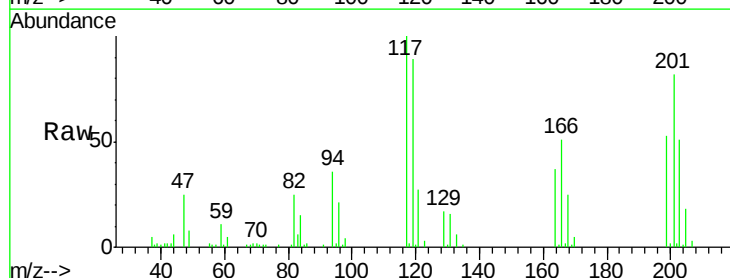
Acq: 06 Feb 2019 14:41

Tgt Ion:117 Resp: 26244

Ion Ratio Lower Upper

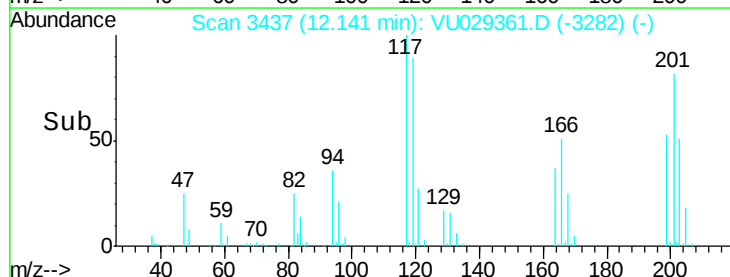
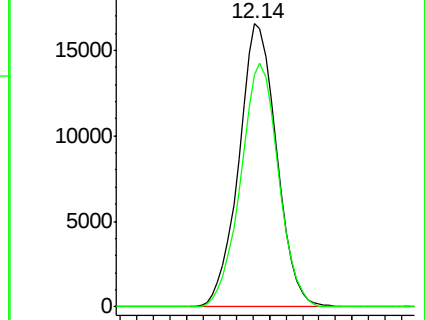
117 100

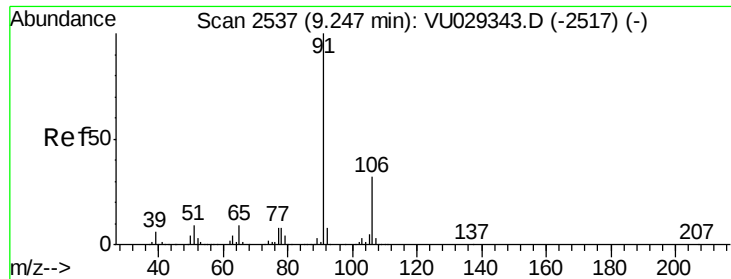
201 85.8 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





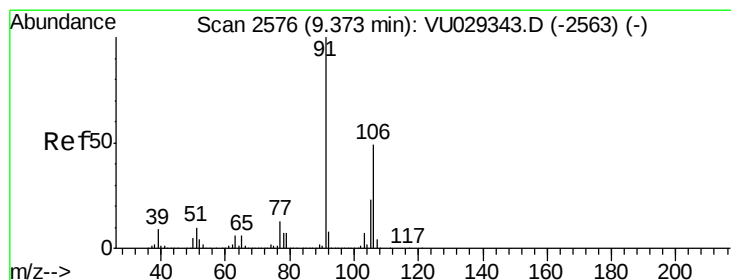
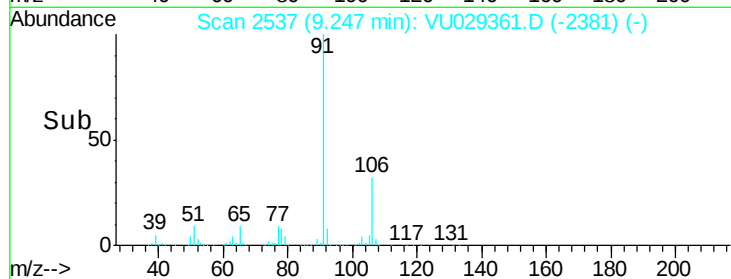
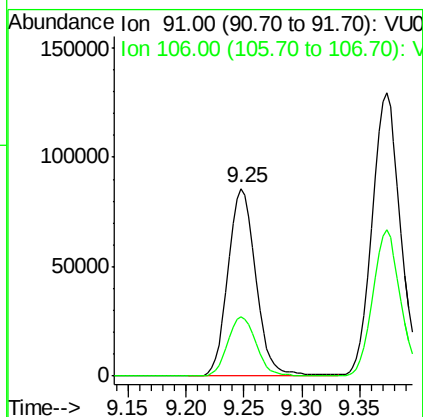
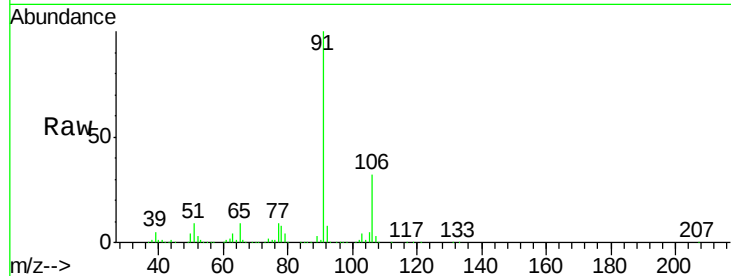
#63
Ethyl Benzene
Concen: 2.021 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Instrument :
MSVOA_U
ClientSampleId :
VU0206WBSD01

Tot Ion: 91 Resp: 142600
Ion Ratio Lower Upper
91 100
106 31.6 23.8 35.6

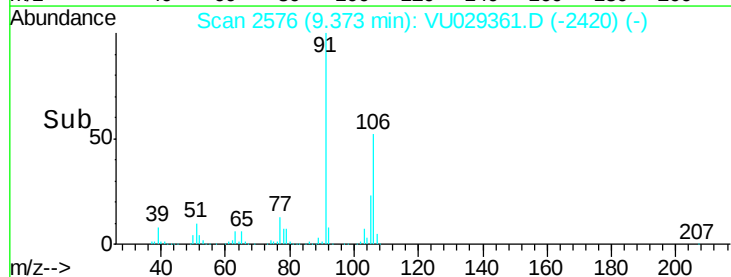
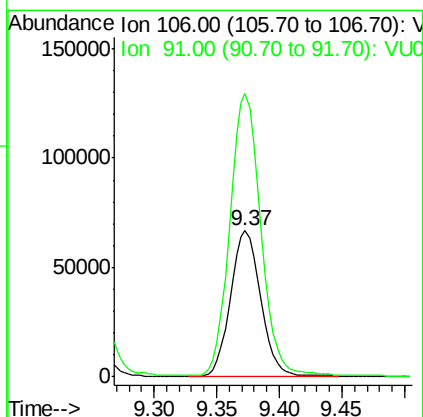
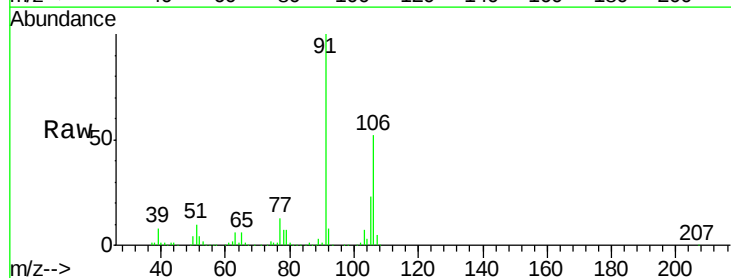
Manual Integrations
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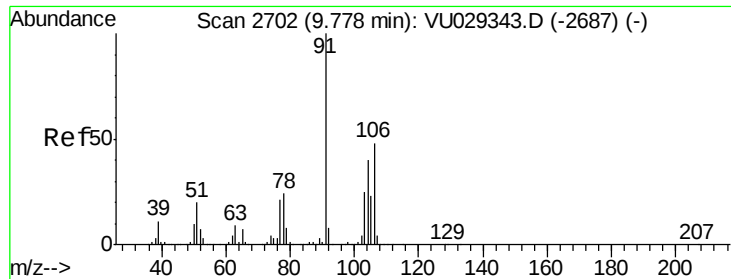
sam
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#64
m/p-Xylenes
Concen: 4.082 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Tgt Ion: 106 Resp: 111919
Ion Ratio Lower Upper
106 100
91 197.0 174.6 261.8





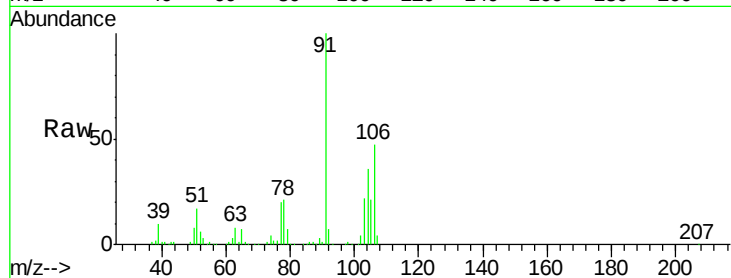
#65
o-Xylene
Concen: 2.015 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Instrument :
MSVOA_U
ClientSampled :
VU0206WBSD01

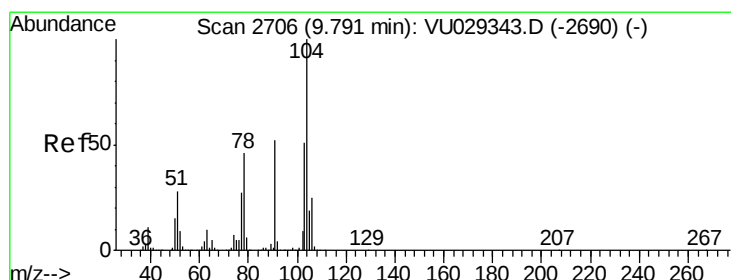
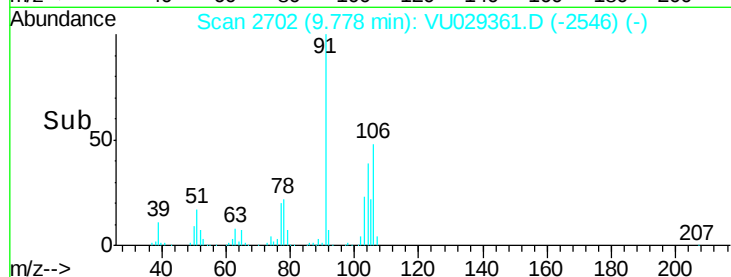
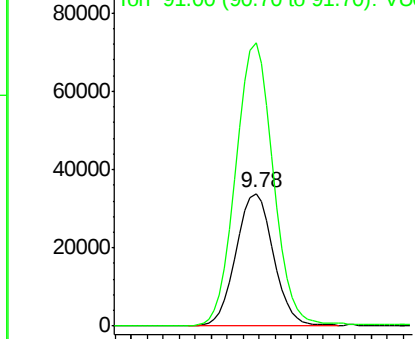
Tot Ion	Ratio	Lower	Upper
106	100		
91	214.0	114.5	343.4

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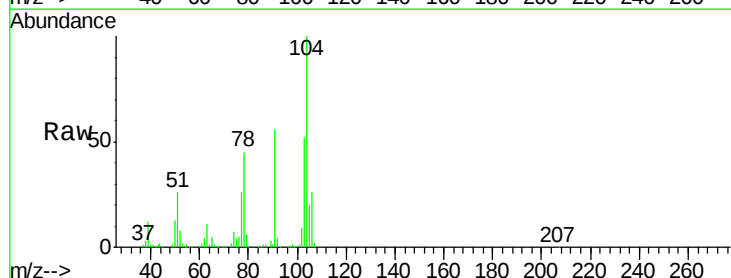


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

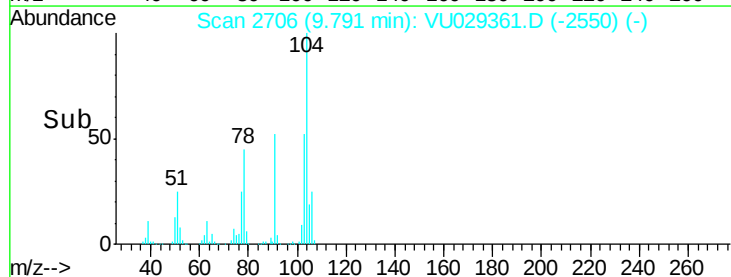
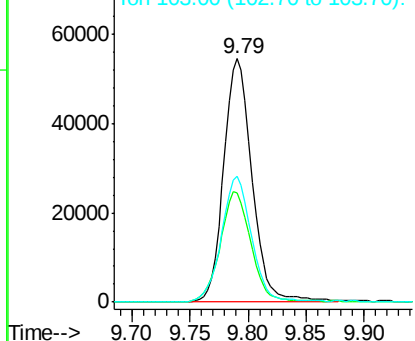


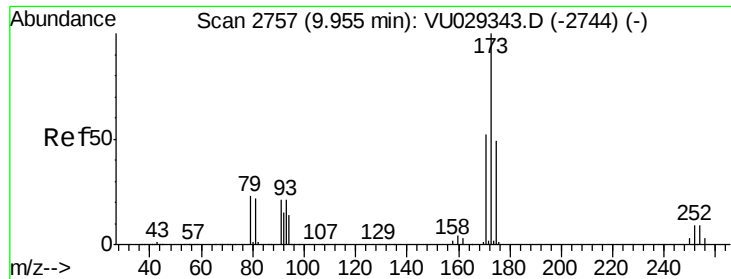
#66
Styrene
Concen: 2.060 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.2	46.5	69.7
103	54.5	44.7	67.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 2.076 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

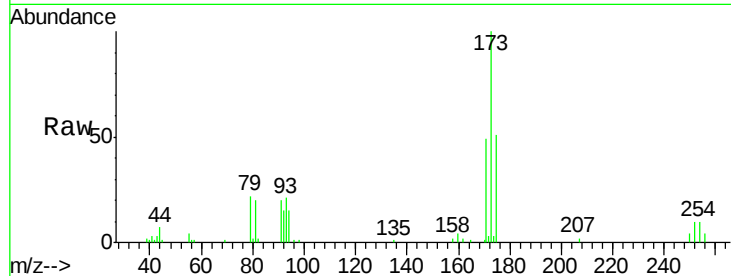
ClientSampleId :

VU0206WBSD01

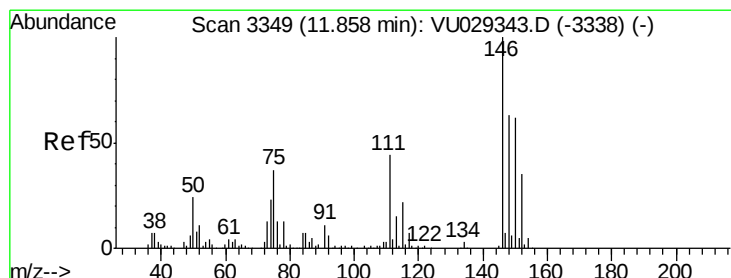
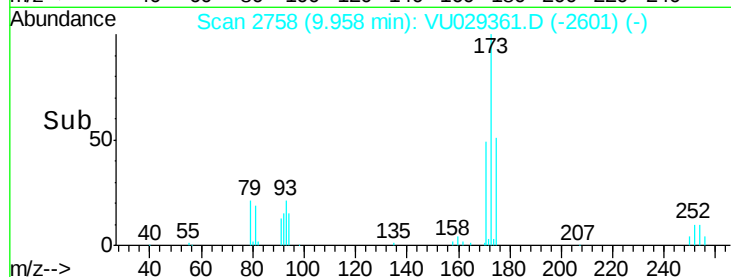
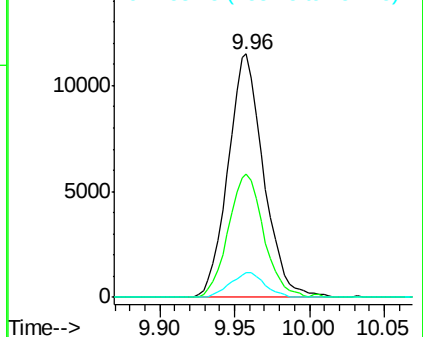
Tot Ion:	173	Resp:	18983
Ion Ratio	Lower	Upper	
173	100		
175	50.4	38.9	58.3
254	9.8	7.4	11.2

Manual Integrations
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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: 2.076 ug/l

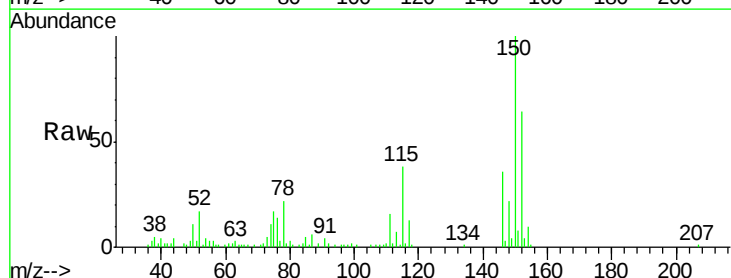
RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

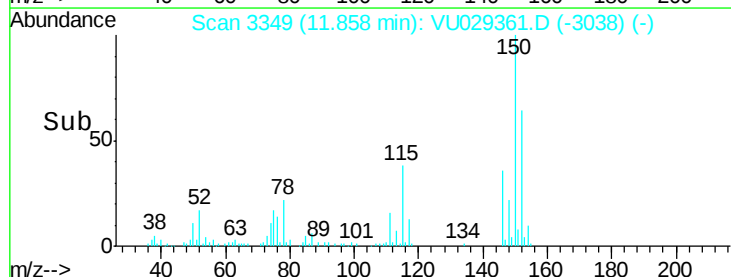
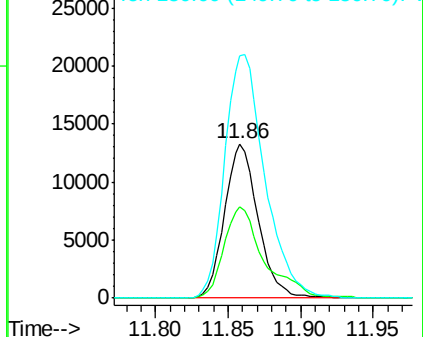
Lab File: VU029361.D

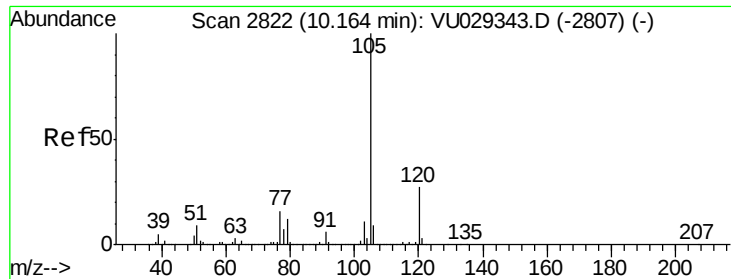
Acq: 06 Feb 2019 14:41

Tgt Ion:	152	Resp:	21295
Ion Ratio	Lower	Upper	
152	100		
115	71.0	0.0	133.4
150	188.8	0.0	670.8



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





#69

Isopropylbenzene

Concen: 2.064 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBSD01

Tot Ion:105 Resp: 148423

Ion Ratio Lower Upper

105 100

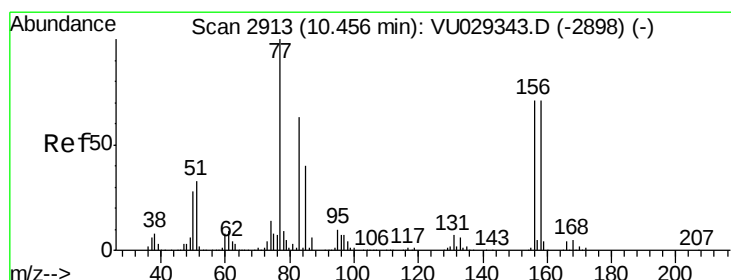
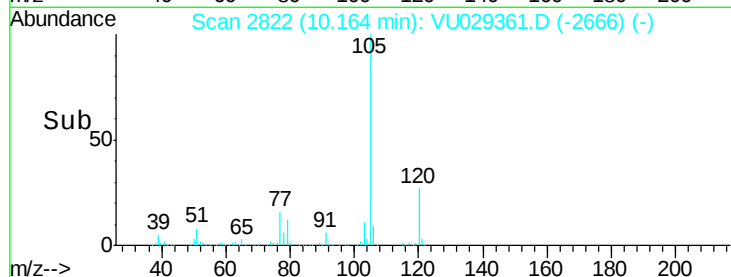
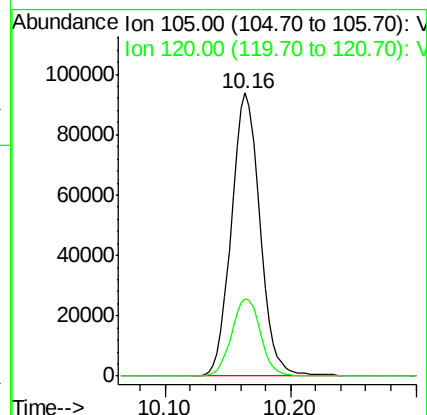
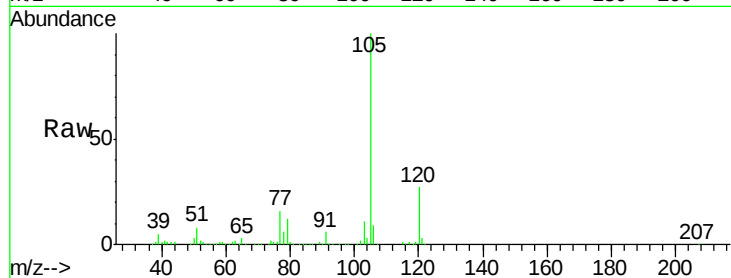
120 27.6 12.6 37.6

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.997 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

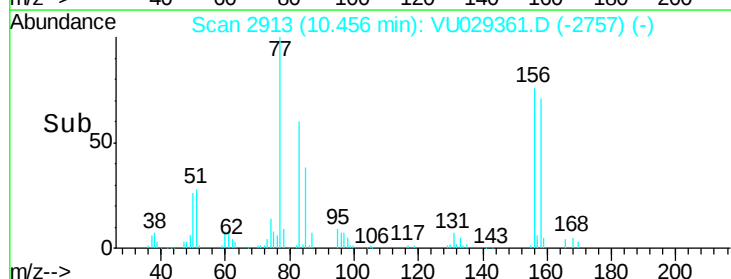
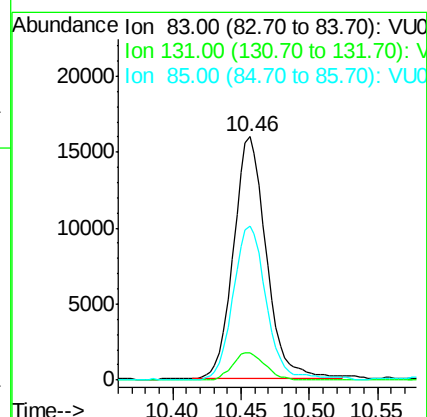
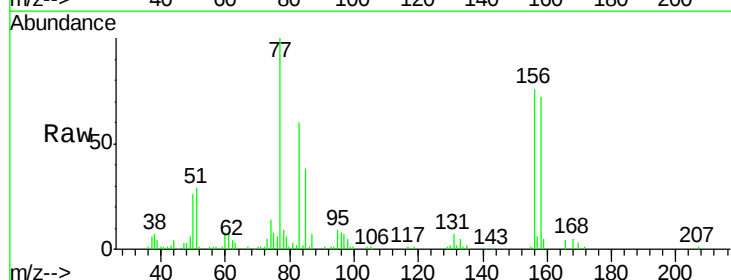
Tgt Ion: 83 Resp: 26477

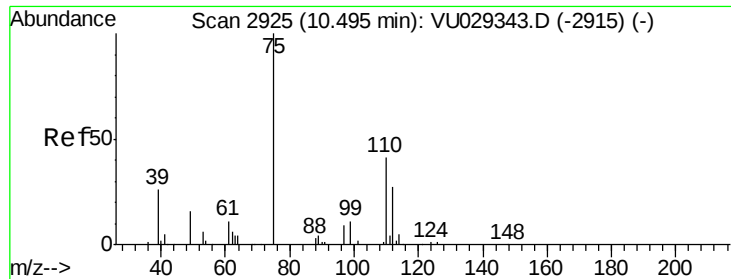
Ion Ratio Lower Upper

83 100

131 11.2 8.1 12.1

85 65.5 50.3 75.5





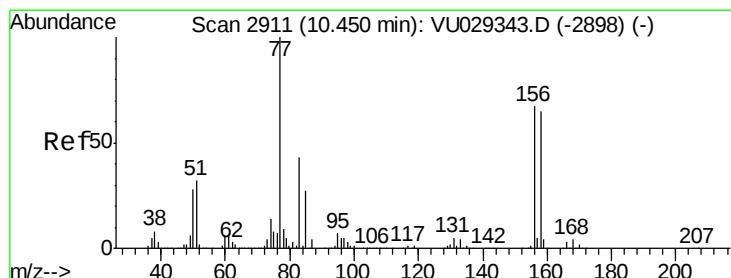
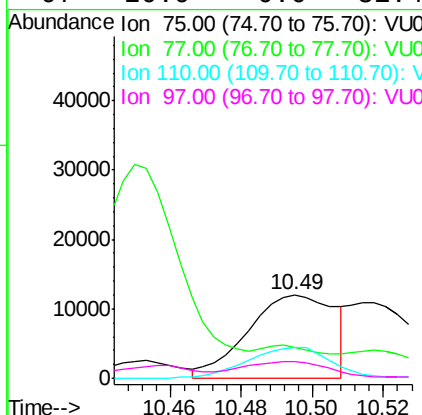
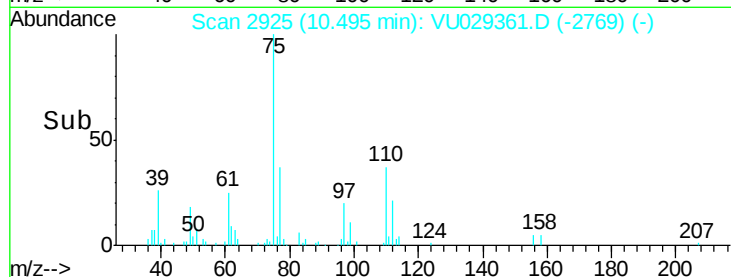
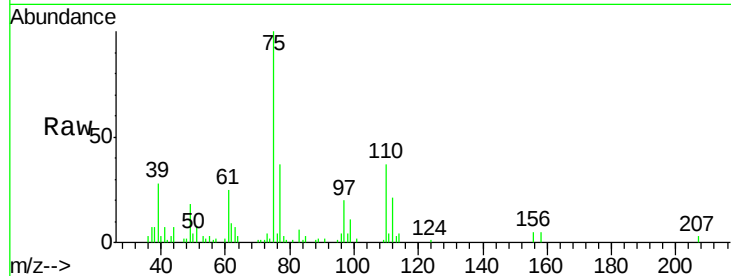
#71
1,2,3-Trichloropropane
Concen: 2.235 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Instrument :
MSVOA_U
ClientSampleId :
VU0206WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
75	75	100		
77	77	0.0	0.0	0.0
110	110	36.0	0.0	63.6
97	97	20.9	0.0	31.4

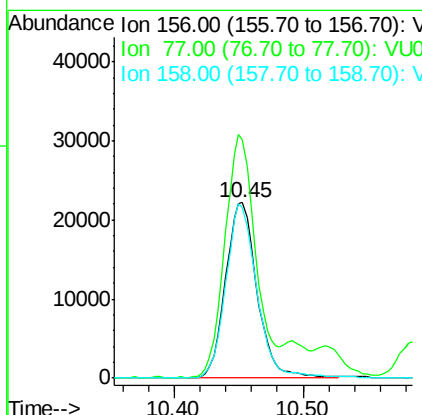
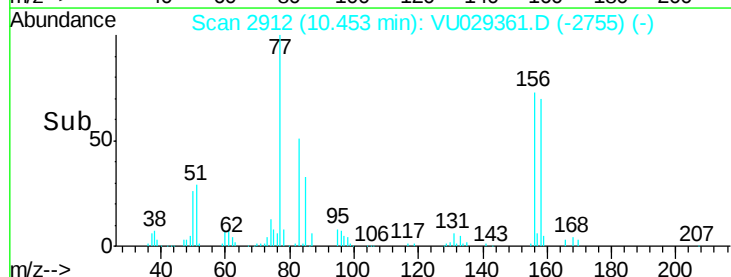
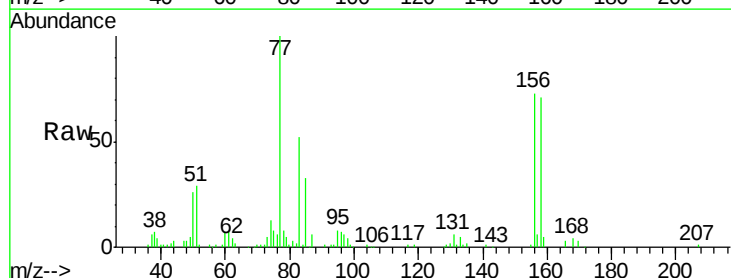
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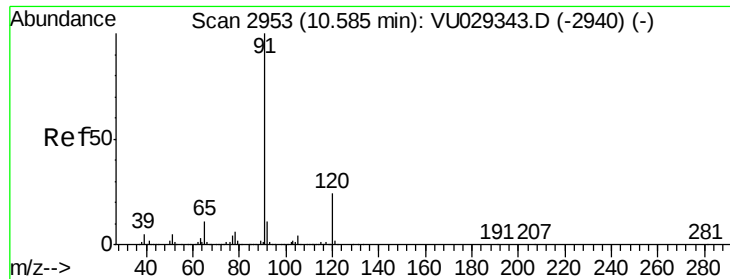
sam
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#72
Bromobenzene
Concen: 2.160 ug/l
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Tgt Ion	Ion	Ratio	Lower	Upper
156	156	100		
77	77	135.5	0.0	343.8
158	158	98.3	0.0	195.0





#73

n-propylbenzene

Concen: 2.113 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBSD01

Tot Ion:120 Resp: 42317

Ion Ratio Lower Upper

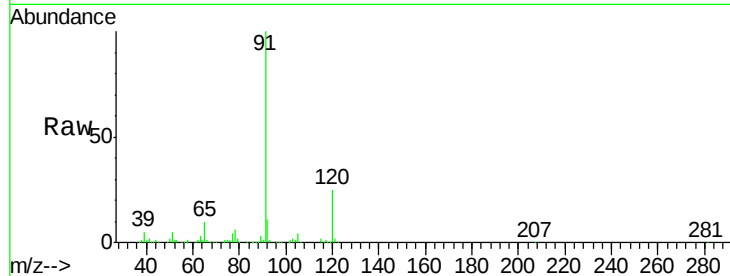
120 100

91 402.7 370.0 555.0

Manual Integrations
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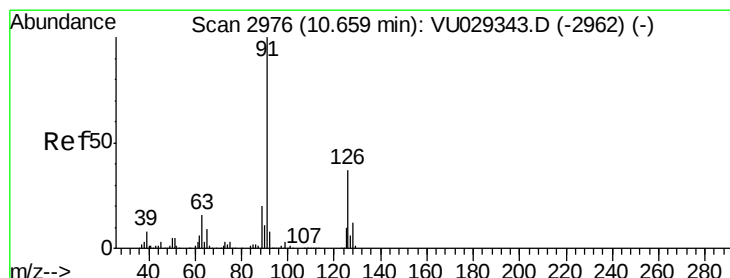
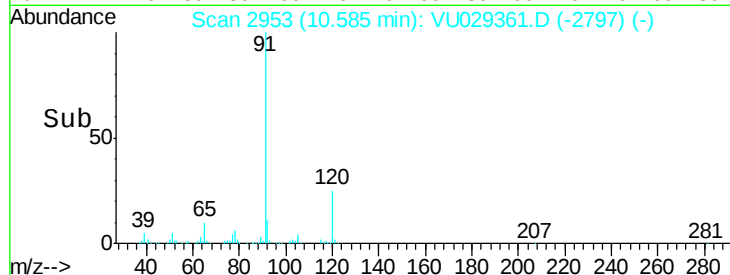
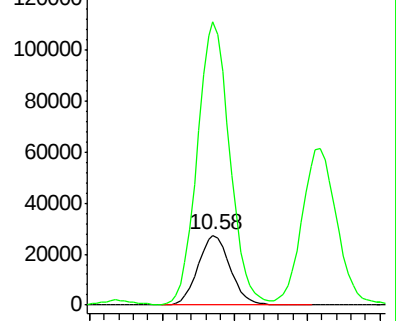
sam

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 2.126 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029361.D

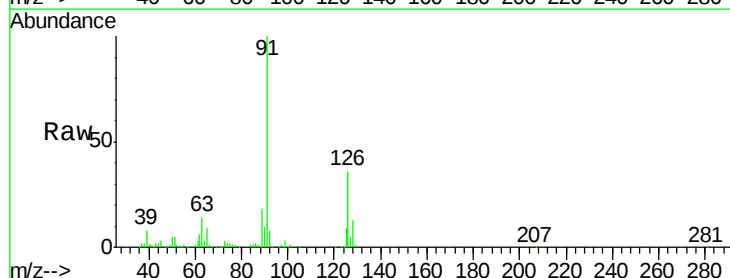
Acq: 06 Feb 2019 14:41

Tgt Ion:126 Resp: 36252

Ion Ratio Lower Upper

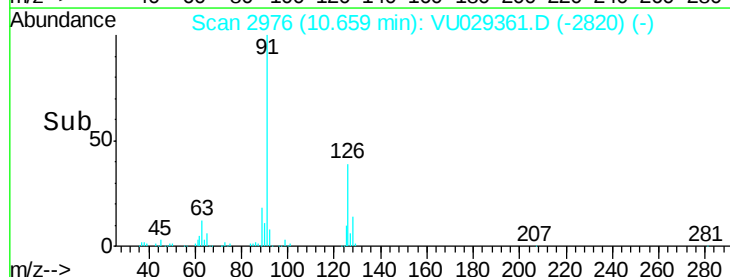
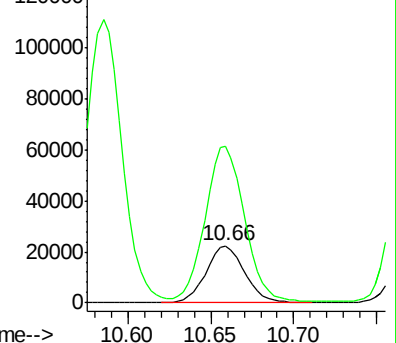
126 100

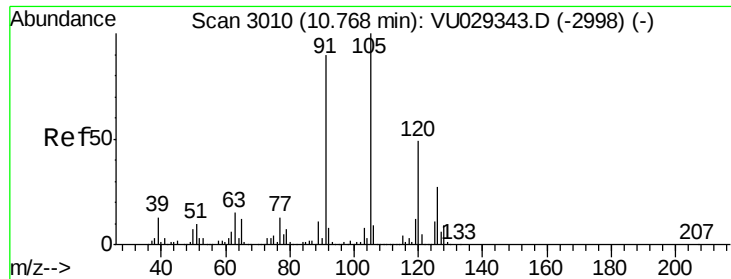
91 273.8 0.0 643.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.990 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBSD01

Tot Ion:105 Resp: 123364

Ion Ratio Lower Upper

105 100

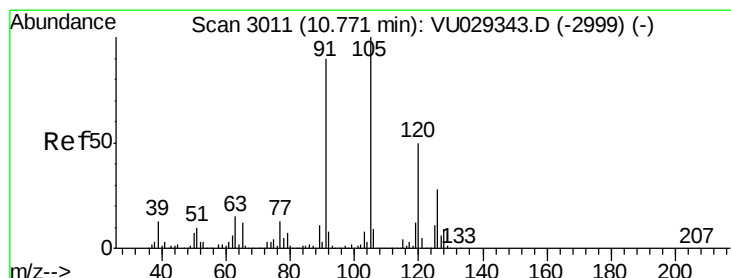
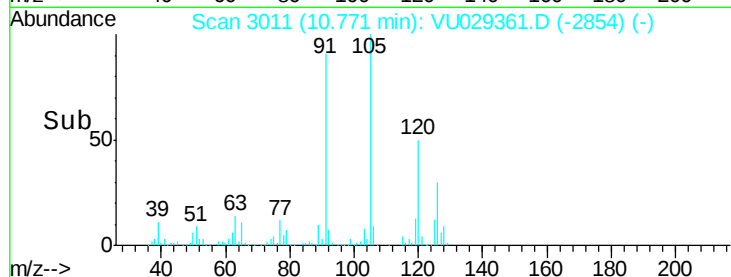
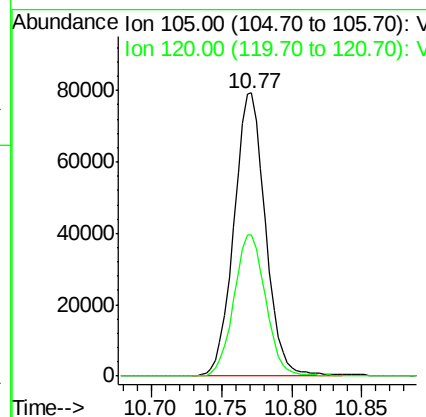
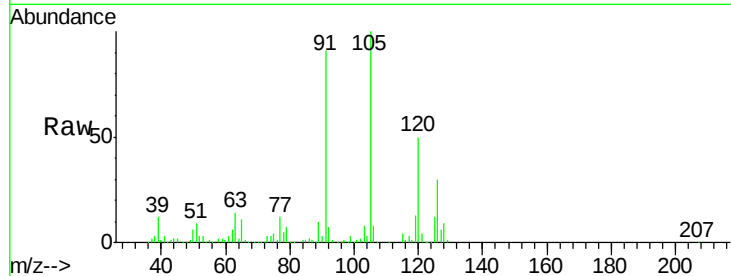
120 50.9 37.3 55.9

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#76

4-Chlorotoluene

Concen: 2.123 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029361.D

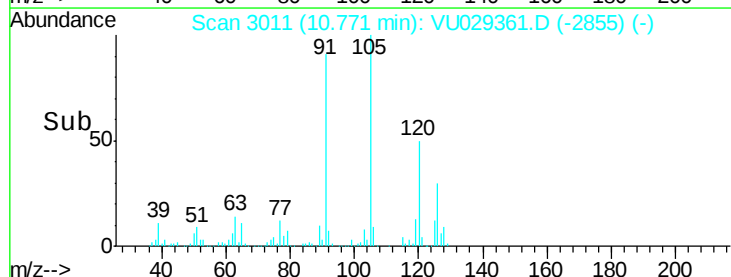
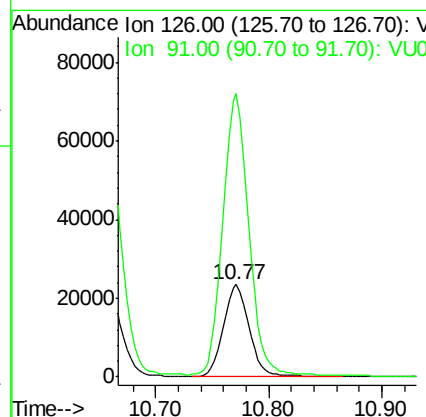
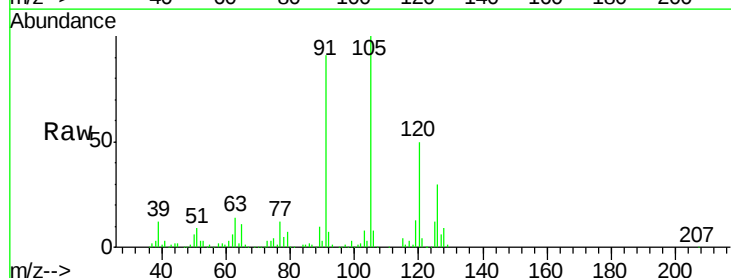
Acq: 06 Feb 2019 14:41

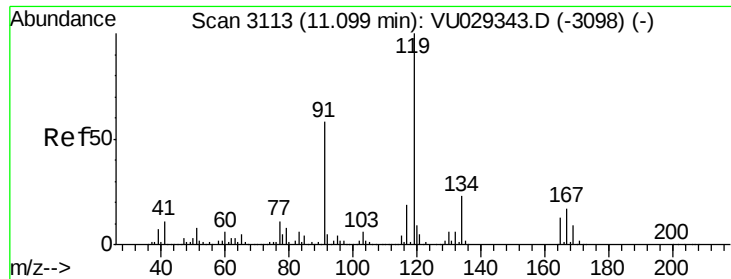
Tgt Ion:126 Resp: 37581

Ion Ratio Lower Upper

126 100

91 298.5 0.0 727.4





#77

tert-Butylbenzene

Concen: 2.090 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

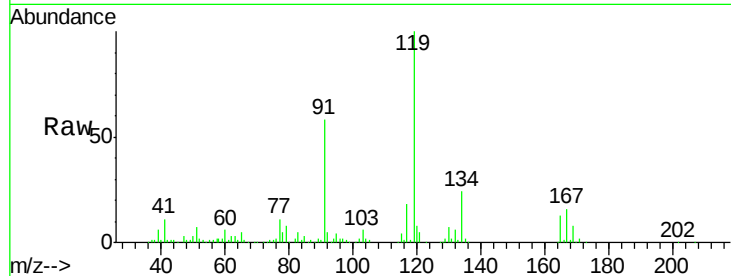
ClientSampleId :

VU0206WBSD01

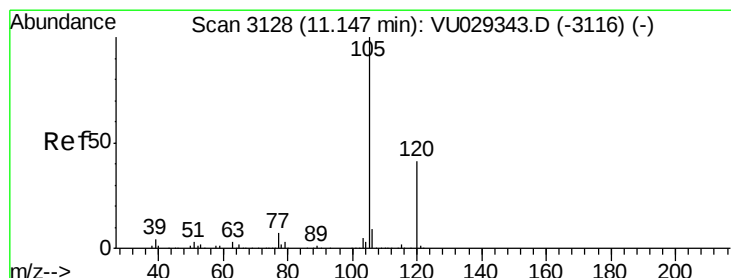
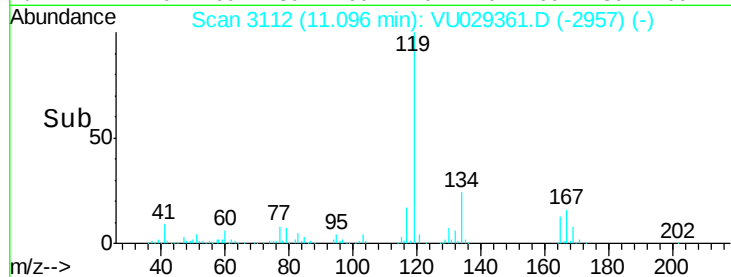
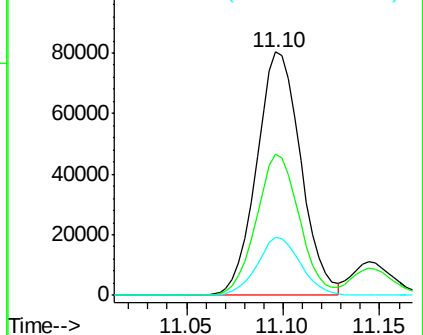
Tot Ion:	119	Resp:	128057
Ion Ratio	Lower	Upper	
119	100		
91	55.6	32.2	96.6
134	23.5	17.6	26.4

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: 2.023 ug/l

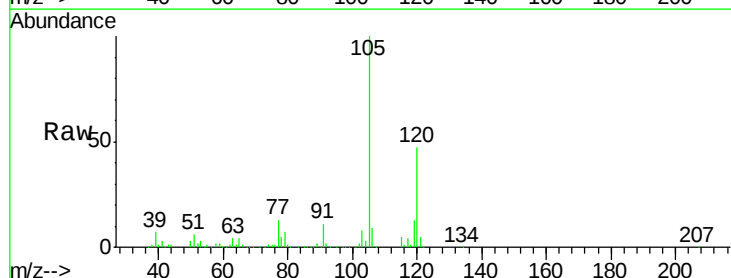
RT: 11.15 min Scan# 3128

Delta R.T. 0.00 min

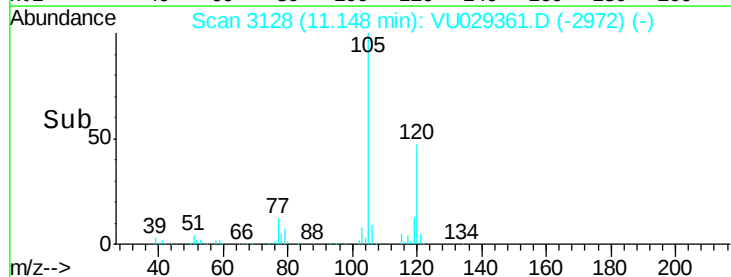
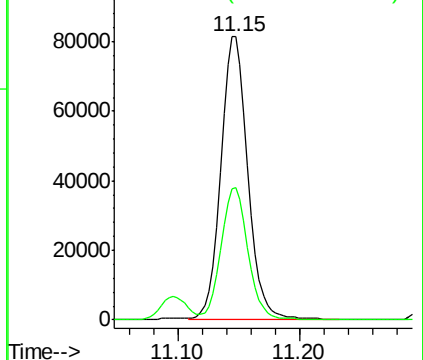
Lab File: VU029361.D

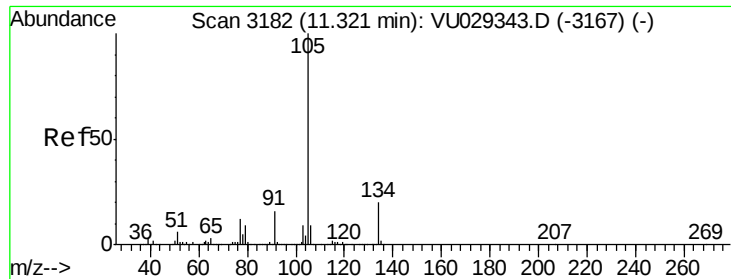
Acq: 06 Feb 2019 14:41

Tgt Ion:	105	Resp:	126954
Ion Ratio	Lower	Upper	
105	100		
120	46.7	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: 2.031 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

ClientSampleId :

VU0206WBSD01

Tot Ion: 105 Resp: 162843

Ion Ratio Lower Upper

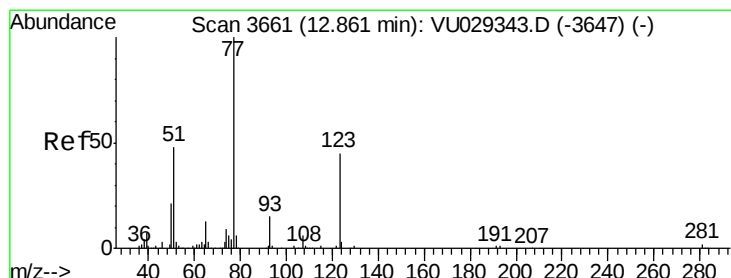
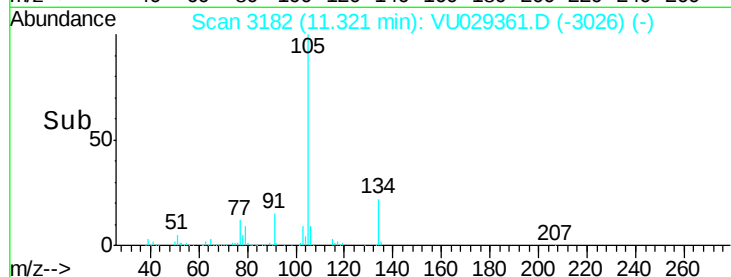
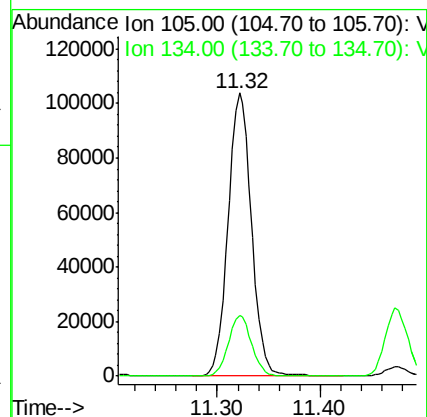
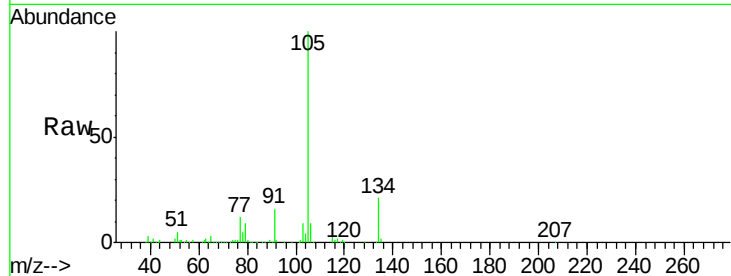
105 100

134 21.3 15.0 22.6

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#80

Nitrobenzene

Concen: 6.398 ug/l

RT: 12.87 min Scan# 3663

Delta R.T. 0.01 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

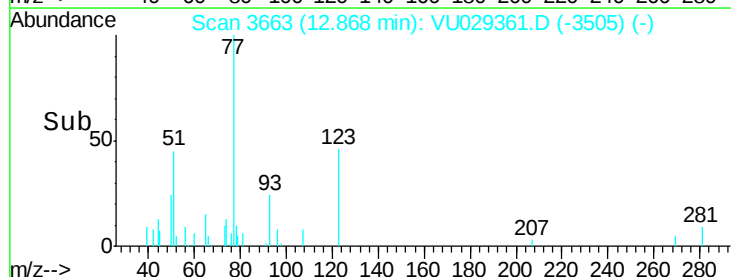
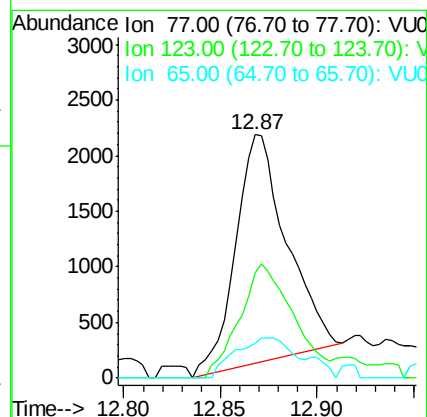
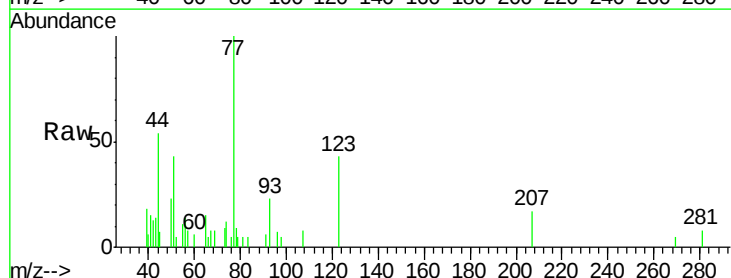
Tgt Ion: 77 Resp: 3779

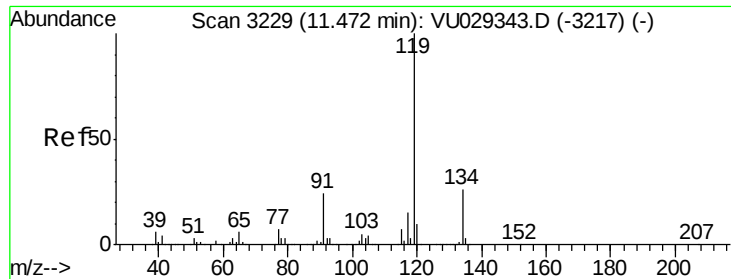
Ion Ratio Lower Upper

77 100

123 44.5 17.5 61.9

65 13.4 10.8 13.8





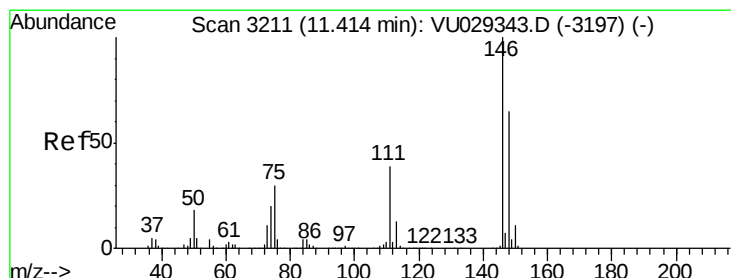
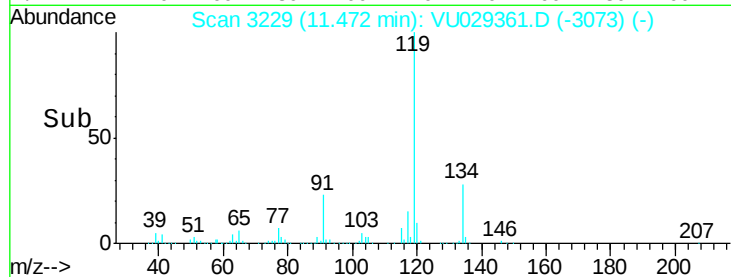
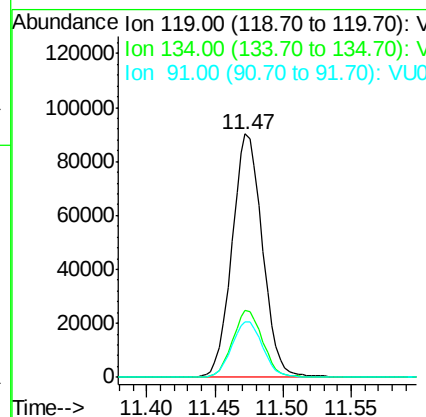
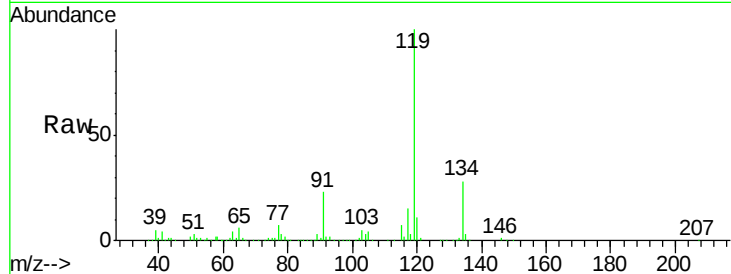
#81
p-Isopropyltoluene
Concen: 2.040 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Instrument :
MSVOA_U
ClientSampleId :
VU0206WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.5	19.8	29.6
91	23.6	21.5	32.3

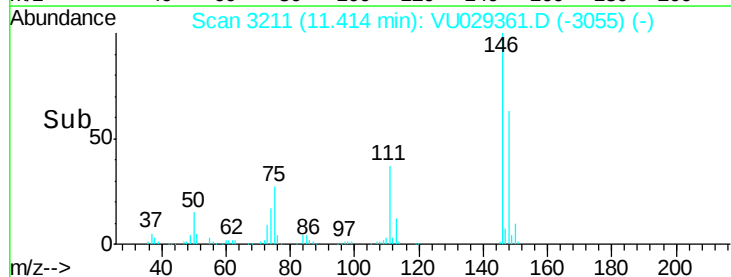
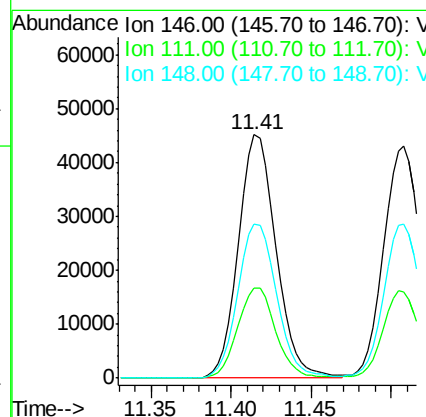
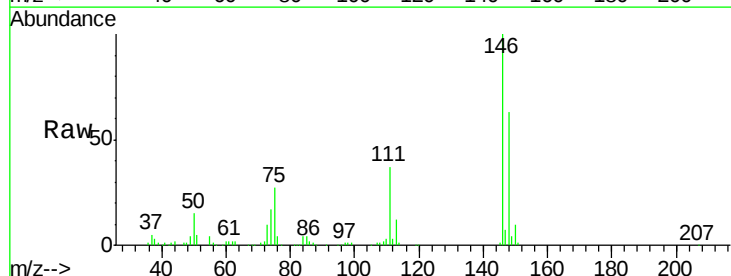
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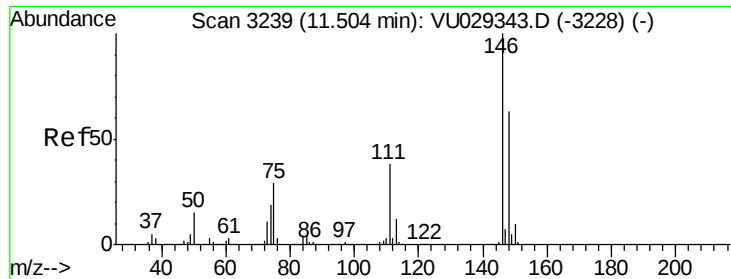
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#82
1,3-Dichlorobenzene
Concen: 2.122 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	34.1	51.1
148	65.3	52.3	78.5





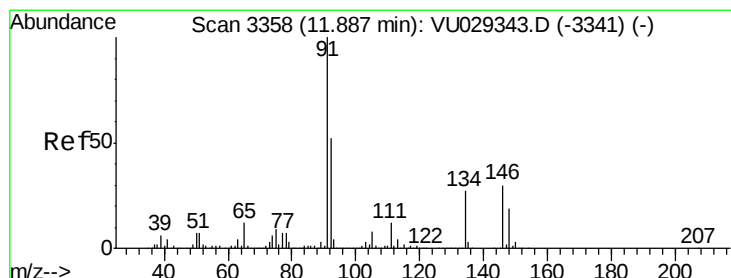
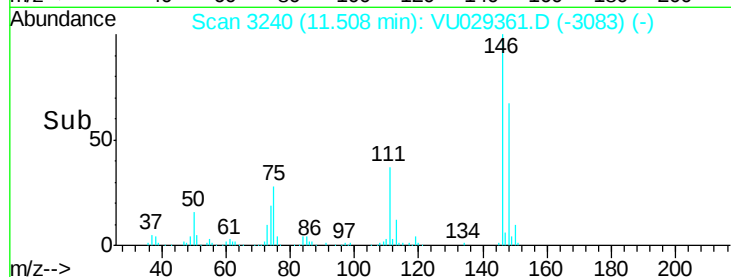
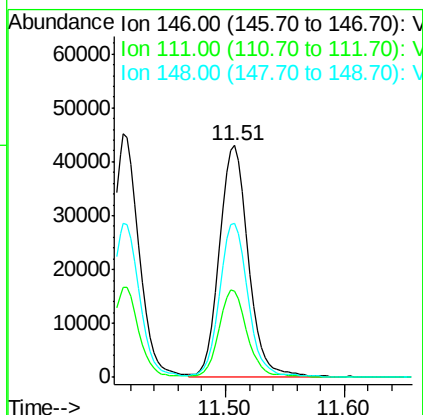
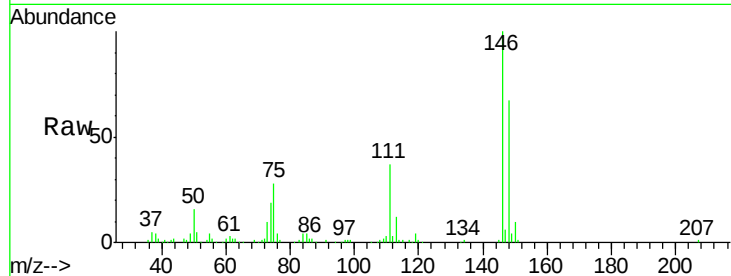
#83
 1,4-Dichlorobenzene
 Concen: 2.119 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU029361.D
 Acq: 06 Feb 2019 14:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0206WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	32.9	49.3
148	66.3	51.8	77.6

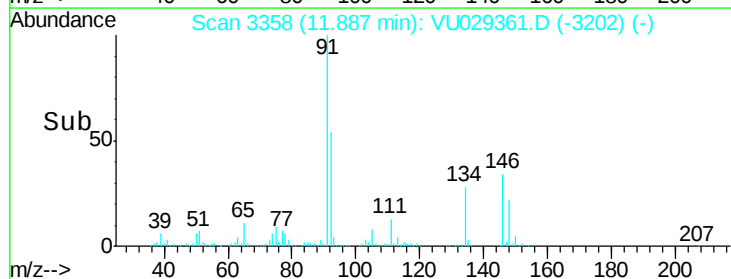
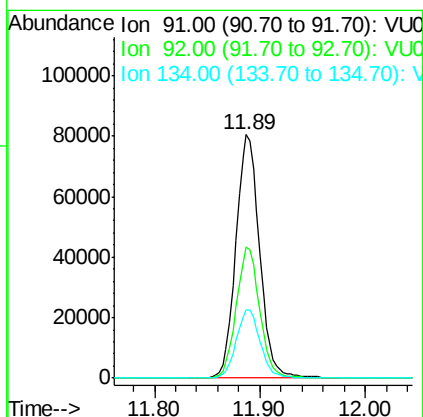
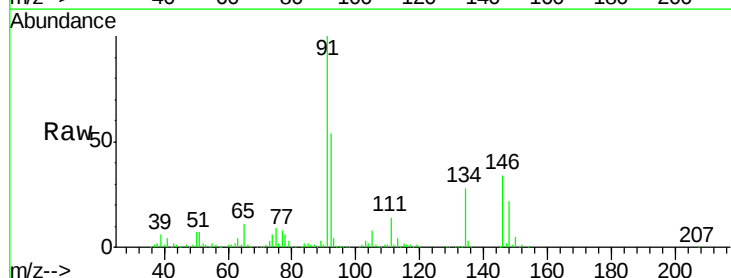
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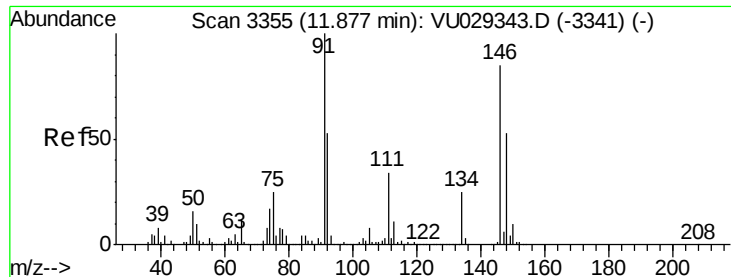
sam
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#84
 n-Butylbenzene
 Concen: 1.995 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU029361.D
 Acq: 06 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	41.0	61.6
134	28.5	19.1	28.7





#85

1,2-Dichlorobenzene

Concen: 2.091 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

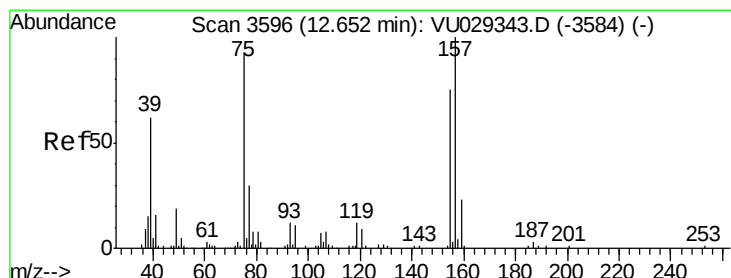
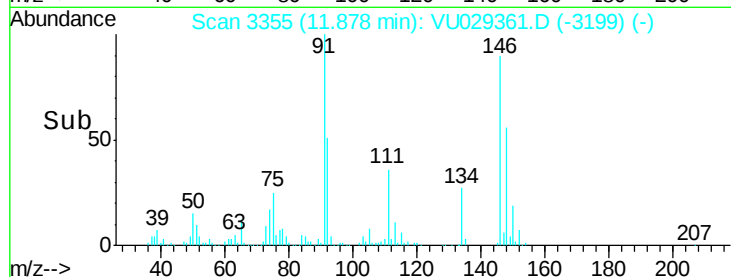
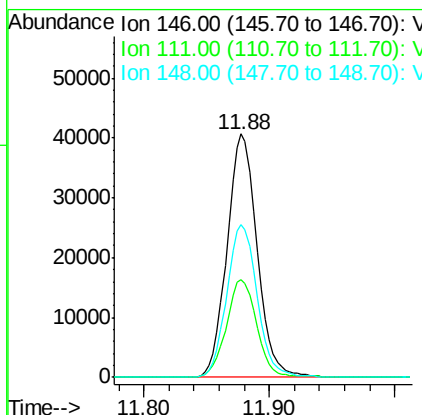
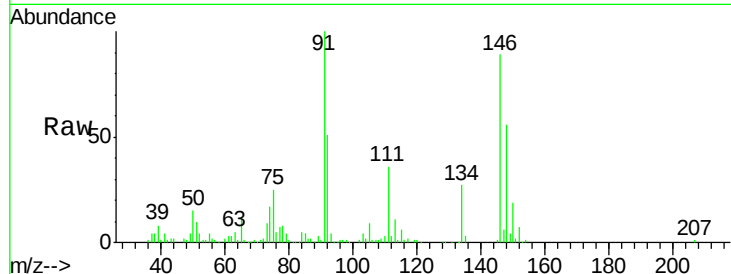
ClientSampleId :

VU0206WBSD01

Tot Ion:	146	Resp:	67609
Ion Ratio	Lower	Upper	
146	100		
111	40.9	21.9	65.8
148	63.7	31.8	95.3

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#86

1,2-Dibromo-3-Chloropropane

Concen: 1.894 ug/l

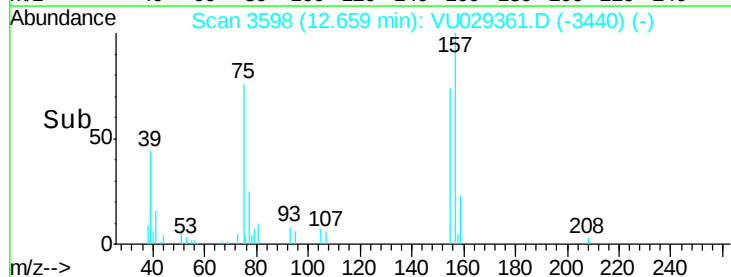
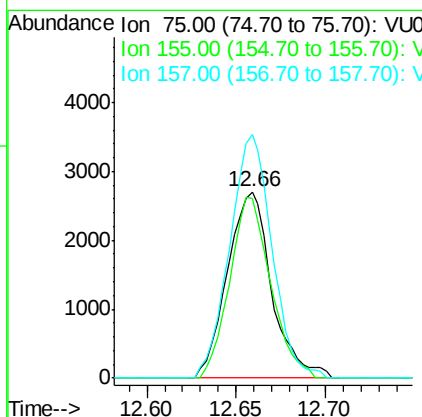
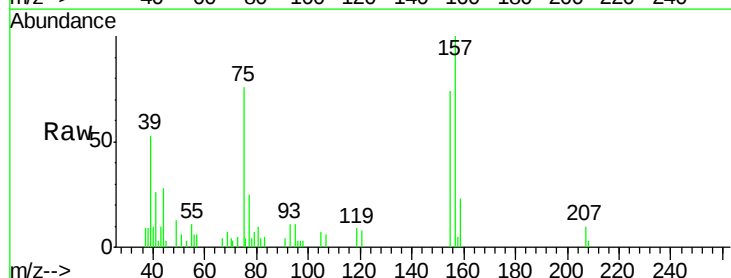
RT: 12.66 min Scan# 3598

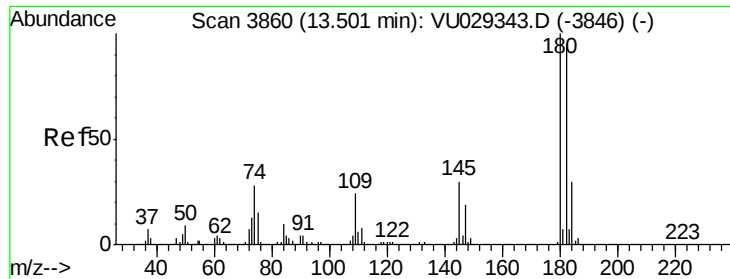
Delta R.T. 0.01 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Tgt Ion:	75	Resp:	4685
Ion Ratio	Lower	Upper	
75	100		
155	89.8	53.8	80.8#
157	125.0	69.2	103.8#





#87

1,2,4-Trichlorobenzene

Concen: 2.235 ug/l

RT: 13.50 min Scan# 3860

Delta R.T. 0.00 min

Lab File: VU029361.D

Acq: 06 Feb 2019 14:41

Instrument :

MSVOA_U

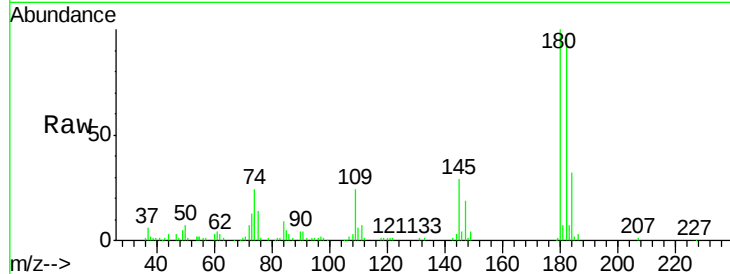
ClientSampleId :

VU0206WBSD01

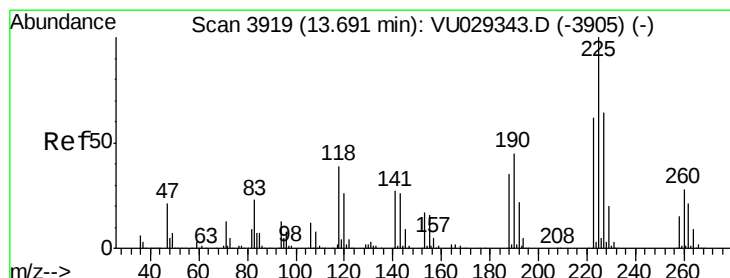
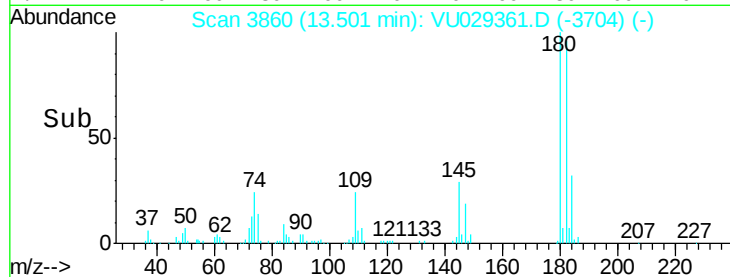
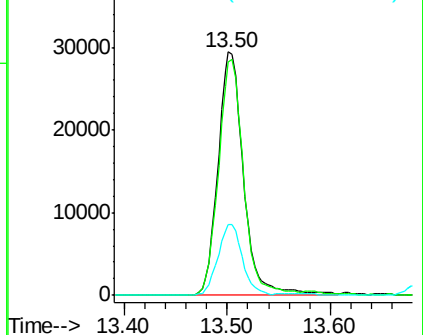
Tot Ion:	180	Resp:	50753
Ion Ratio	Lower	Upper	
180	100		
182	94.8	76.6	114.8
145	27.8	24.6	36.8

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



#88

Hexachlorobutadiene

Concen: 2.427 ug/l

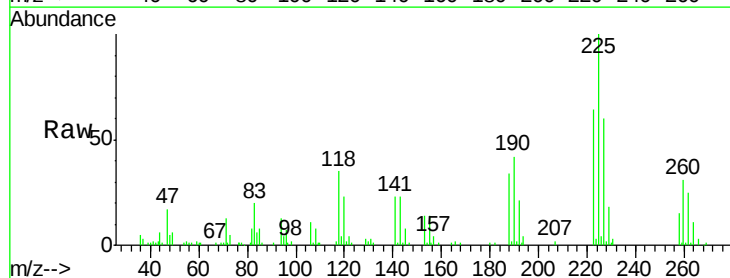
RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

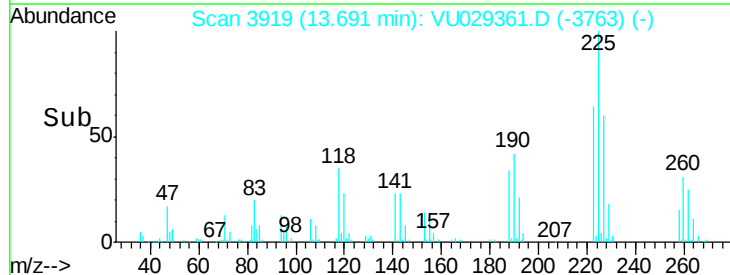
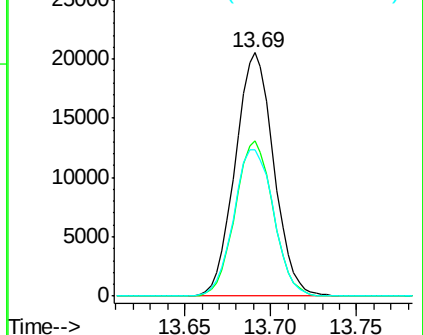
Lab File: VU029361.D

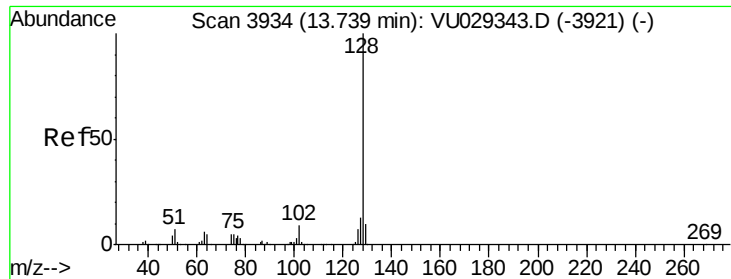
Acq: 06 Feb 2019 14:41

Tgt Ion:	225	Resp:	31920
Ion Ratio	Lower	Upper	
225	100		
223	62.6	49.5	74.3
227	62.2	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





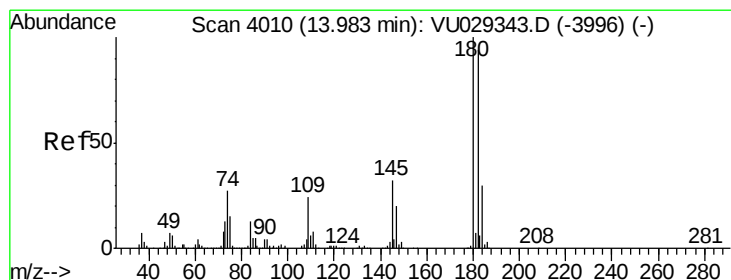
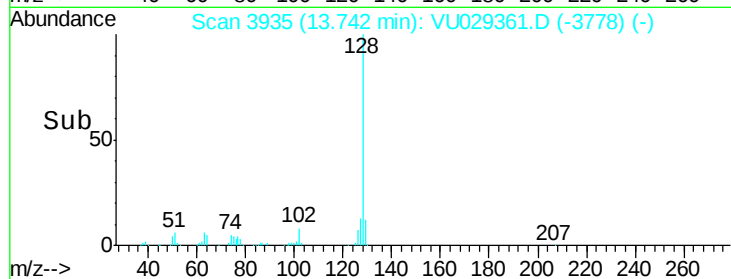
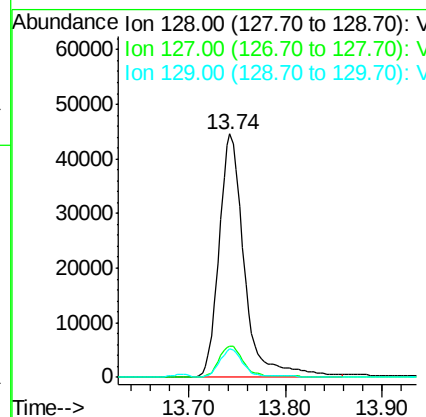
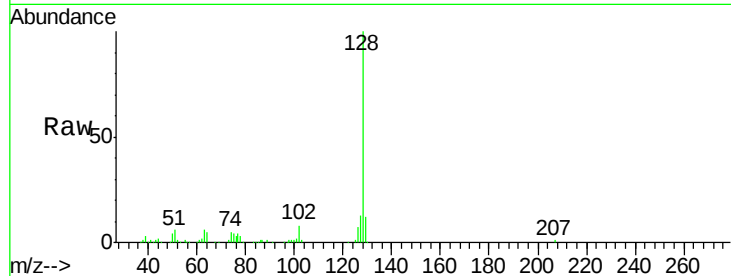
#89
Naphthalene
Concen: 2.122 ug/l
RT: 13.74 min Scan# 3935
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Instrument :
MSVOA_U
ClientSampleId :
VU0206WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.7	16.1
129	10.6	8.2	12.4

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#90
1,2,3-Trichlorobenzene
Concen: 2.241 ug/l
RT: 13.99 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VU029361.D
Acq: 06 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	78.0	117.0
145	28.4	26.6	39.8

