

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U020519\
 Data File : VU029340.D
 Acq On : 05 Feb 2019 11:12
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

sam
 2/8/2019 2:26:12 PM

Quant Time: Feb 08 10:34:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:20:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	54300	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	21746	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	21143	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	20256	1.000	ug/l	99
3) Chloromethane	1.33	50	20334	1.098	ug/l	99
4) Vinyl Chloride	1.40	62	22827	1.052	ug/l	98
5) Bromomethane	1.63	94	12224	1.012	ug/l	99
6) Chloroethane	1.70	64	12485	0.984	ug/l	97
7) Trichlorofluoromethane	1.88	101	31720	1.046	ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	16528	1.033	ug/l	89
9) 1,1-Dichloroethene	2.28	96	15928	1.017	ug/l	68
10) Iodomethane	2.41	142	20296	1.010	ug/l #	82
11) Allyl Chloride	2.59	41	26420	1.006	ug/l	93
12) Acrylonitrile	2.94	53	7751	2.208	ug/l	98
13) Acetone	2.32	43	18424	5.471	ug/l	95
14) Carbon Disulfide	2.48	76	56698	1.025	ug/l	99
15) Methylene Chloride	2.70	84	19940	1.050	ug/l #	79
16) trans-1,2-Dichloroethene	2.98	96	18233	1.042	ug/l	83
17) 1,1-Dichloroethane	3.44	63	30661	1.105	ug/l	96
18) 2-Butanone	4.28	43	18926	5.005	ug/l	100
19) Cyclohexane	4.99	56	28347m	1.158	ug/l	
20) Methylcyclohexane	6.41	83	28714	1.062	ug/l	87
21) 2,2-Dichloropropane	4.22	77	26872	1.046	ug/l	92
22) cis-1,2-Dichloroethene	4.22	96	17679	1.071	ug/l	81
23) Diethyl Ether	2.10	59	12726	1.012	ug/l	96
24) tert-Butyl Alcohol	2.83	59	12883	9.855	ug/l #	85
25) Methyl tert-Butyl Ether	3.00	73	46468	1.054	ug/l #	88
26) Bromochloromethane	4.55	128	7419	1.018	ug/l	77
27) Chloroform	4.67	83	28092	1.041	ug/l	96
28) 1,1,1-Trichloroethane	4.91	97	26171	1.046	ug/l	98
29) 1,1-Dichloropropene	5.13	75	22926	1.055	ug/l	92
30) Carbon Tetrachloride	5.13	117	23087	1.019	ug/l	97
31) Isopropyl Ether	3.58	45	43549	1.040	ug/l	94
32) Ethyl-t-butyl ether	4.07	59	43333	1.032	ug/l	89
33) Tert-Amyl methyl ether	5.58	73	39292	1.035	ug/l	99
34) Propionitrile	4.34	54	4041	4.237	ug/l #	80
35) Benzene	5.39	78	62091	1.034	ug/l	95
36) 1,2-Dichloroethane	5.40	62	18463	1.016	ug/l	97
37) Trichloroethene	6.18	130	17796	1.032	ug/l	94
38) 1,2-Dichloropropane	6.43	63	16425	1.051	ug/l	99
39) Methacrylonitrile	4.56	41	4872	0.957	ug/l #	79
40) Methyl acrylate	4.44	55	8073	1.051	ug/l #	78
41) Tetrahydrofuran	4.66	42	5368m	2.018	ug/l	
42) 1-Chlorobutane	5.06	56	30179	1.037	ug/l	87

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Manual Integrations
 APPROVED

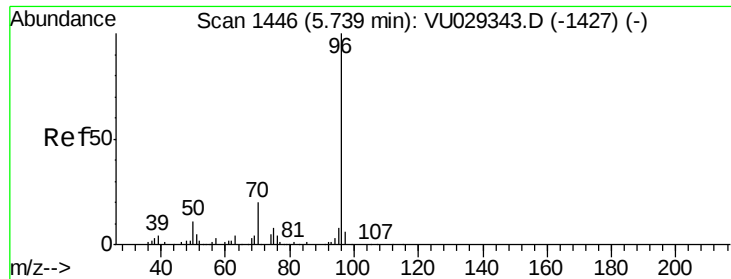
sam
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Quant Time: Feb 08 10:34:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:20:02 2019
 Response via : Initial Calibration

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

43) Dibromomethane	6.56	93	8203	0.985	ug/l	90
44) Bromodichloromethane	6.76	83	22113	1.042	ug/l	97
45) 4-Methyl-2-Pentanone	7.47	43	51001	5.225	ug/l #	94
46) t-1,4-Dichloro-2-butene	10.52	75	9111m	1.923	ug/l	
47) Methyl methacrylate	6.63	69	14778	2.017	ug/l	79
48) Ethyl methacrylate	8.02	69	15347	0.976	ug/l	88
49) Toluene	7.64	92	38753	1.008	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	21487	1.033	ug/l	95
51) cis-1,3-Dichloropropene	7.27	75	24899	1.008	ug/l	96
52) 1,1,2-Trichloroethane	8.07	97	10975	0.996	ug/l	95
53) 1,3-Dichloropropane	8.24	76	19616	1.013	ug/l	100
54) 2-Hexanone	8.37	43	34433	5.032	ug/l	92
55) Dibromochloromethane	8.48	129	16888	1.078	ug/l	96
56) 1,2-Dibromoethane	8.59	107	11821	1.045	ug/l	96
58) Tetrachloroethene	8.22	164	16328	1.018	ug/l	93
59) Chlorobenzene	9.12	112	43688	1.009	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	16552	1.035	ug/l	97
61) Pentachloroethane	11.10	117	12760	1.029	ug/l	97
62) Hexachloroethane	12.14	117	13304	0.983	ug/l	98
63) Ethyl Benzene	9.25	91	75752	1.007	ug/l	95
64) m/p-Xylenes	9.37	106	60018	2.054	ug/l	86
65) o-Xylene	9.78	106	28682	1.000	ug/l	94
66) Styrene	9.79	104	46588	0.974	ug/l	95
67) Bromoform	9.96	173	9827	1.008	ug/l	98
69) Isopropylbenzene	10.16	105	78071	1.019	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.46	83	14114	0.999	ug/l	97
71) 1,2,3-Trichloropropane	10.52	75	9111m	0.921	ug/l	
72) Bromobenzene	10.45	156	18148	0.977	ug/l	90
73) n-propylbenzene	10.59	120	21777	1.020	ug/l	79
74) 2-Chlorotoluene	10.66	126	18531	1.020	ug/l	80
75) 1,3,5-Trimethylbenzene	10.77	105	66435	1.006	ug/l	96
76) 4-Chlorotoluene	10.77	126	18962	1.005	ug/l	79
77) tert-Butylbenzene	11.10	119	65961	1.010	ug/l	95
78) 1,2,4-Trimethylbenzene	11.15	105	67119	1.003	ug/l	99
79) sec-Butylbenzene	11.32	105	86349	1.011	ug/l	98
80) Nitrobenzene	12.88	77	2138m	3.427	ug/l	
81) p-Isopropyltoluene	11.48	119	71949	0.993	ug/l	95
82) 1,3-Dichlorobenzene	11.42	146	35586	0.976	ug/l	97
83) 1,4-Dichlorobenzene	11.51	146	35223	0.970	ug/l	97
84) n-Butylbenzene	11.89	91	63784	0.960	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	34077	0.989	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2721	1.032	ug/l #	75
87) 1,2,4-Trichlorobenzene	13.50	180	23221	0.959	ug/l	95
88) Hexachlorobutadiene	13.69	225	13354	0.953	ug/l	97
89) Naphthalene	13.75	128	38269	0.932	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	20809	0.941	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1447

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

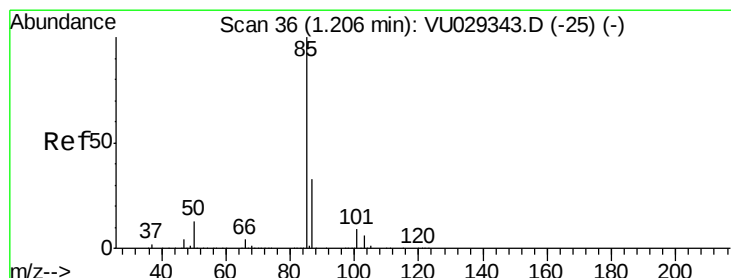
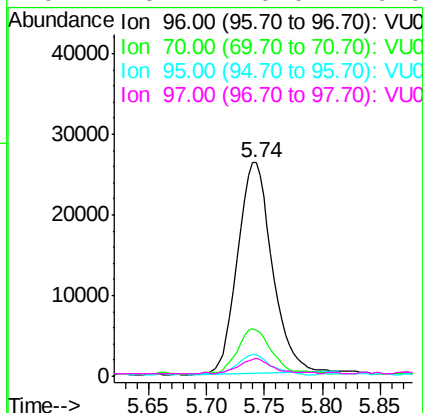
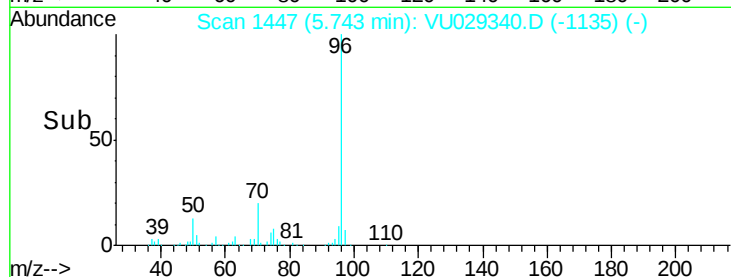
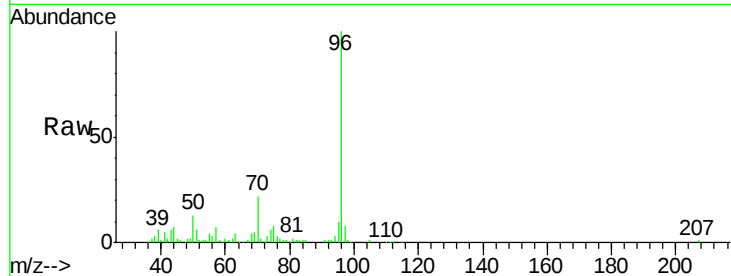
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	54300
Ion	Ratio	Lower	Upper
96	100		
70	19.6	16.2	24.2
95	8.8	7.4	11.2
97	6.1	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 1.000 ug/l

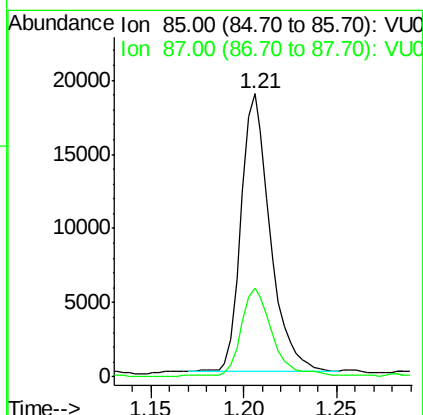
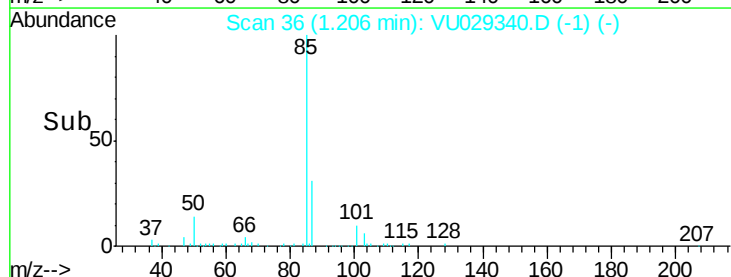
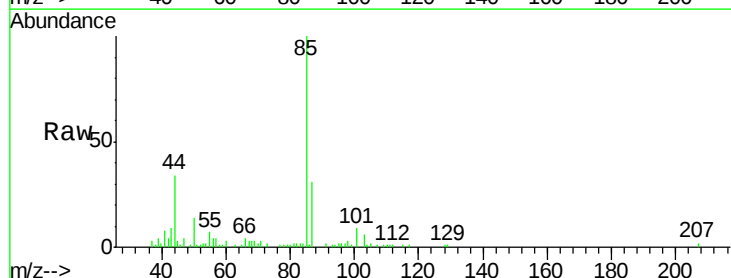
RT: 1.21 min Scan# 36

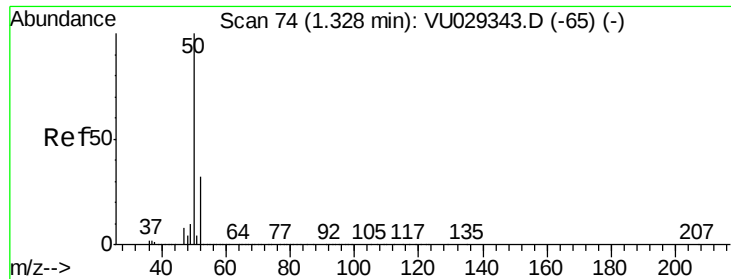
Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Tgt Ion:	85	Resp:	20256
Ion	Ratio	Lower	Upper
85	100		
87	31.3	15.9	47.6





#3

Chloromethane

Concen: 1.098 ug/l

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 20334

Ion Ratio Lower Upper

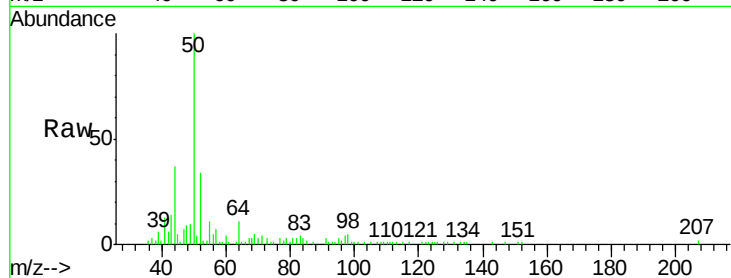
50 100

52 33.8 27.3 40.9

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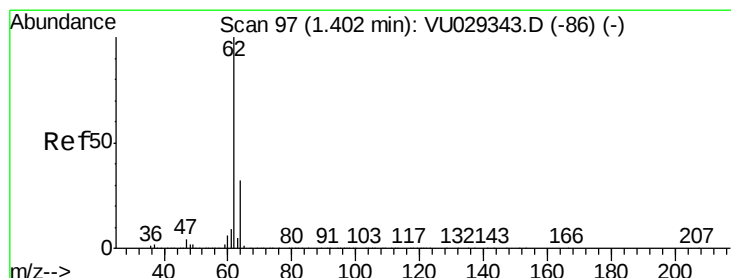
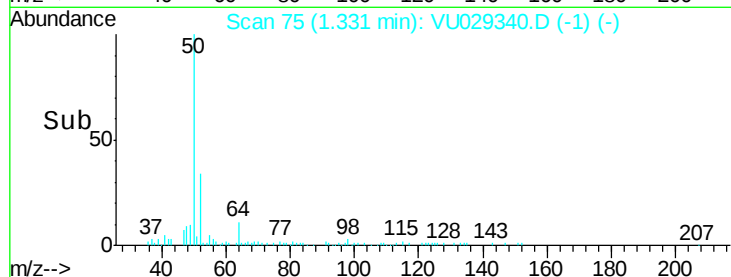
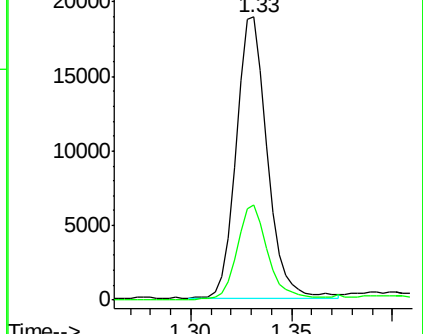
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 1.052 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029340.D

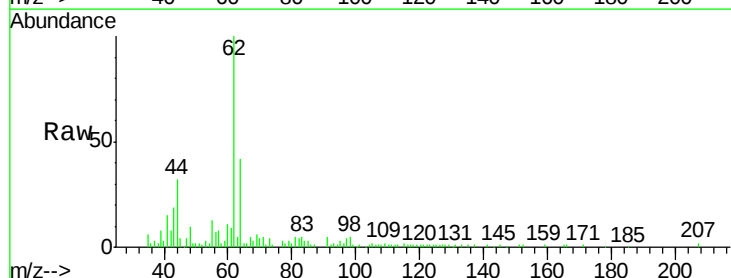
Acq: 05 Feb 2019 11:12

Tgt Ion: 62 Resp: 22827

Ion Ratio Lower Upper

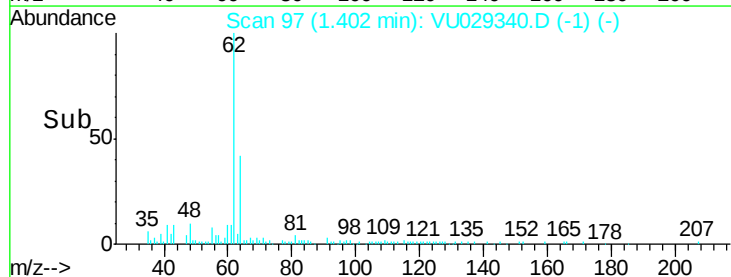
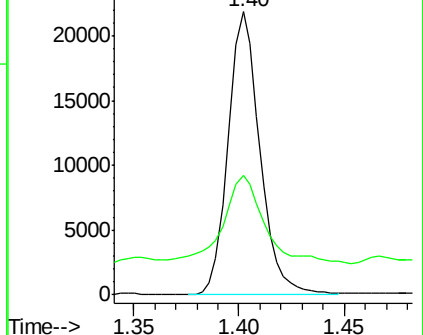
62 100

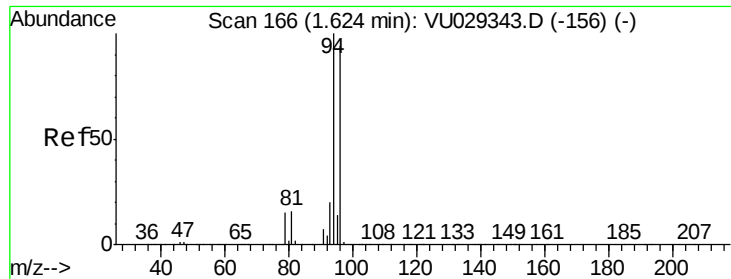
64 30.4 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





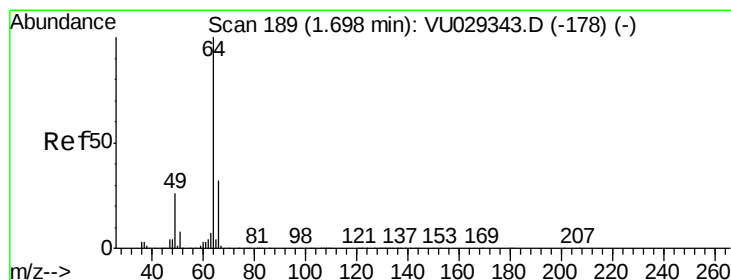
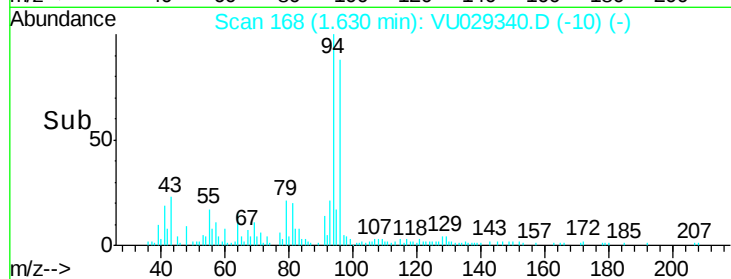
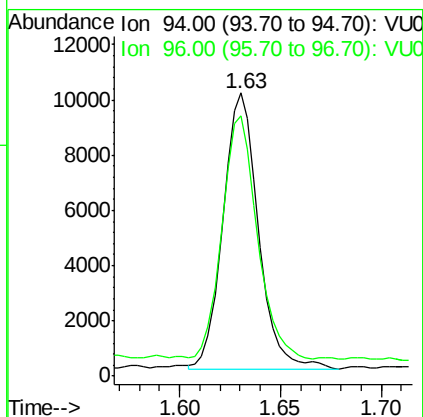
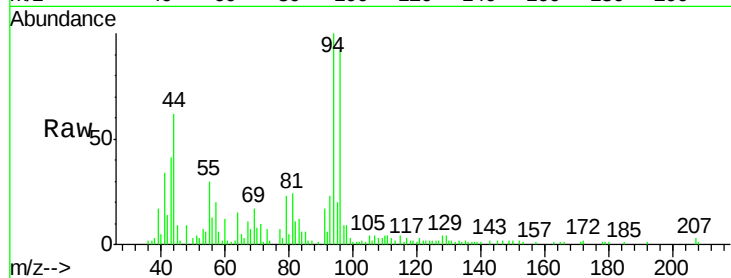
#5
Bromomethane
Concen: 1.012 ug/l
RT: 1.63 min Scan# 168
Delta R.T. 0.01 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 94 Resp: 12224
Ion Ratio Lower Upper
94 100
96 88.2 71.7 107.5

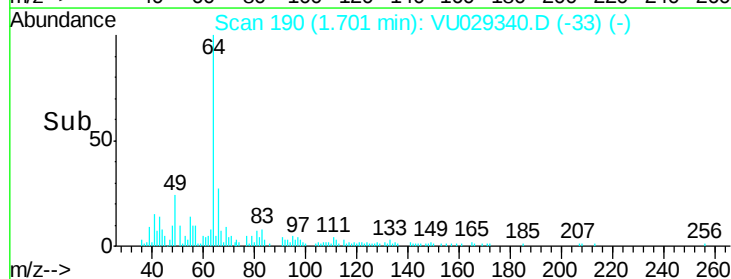
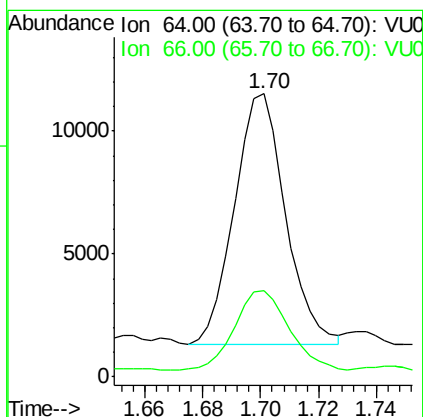
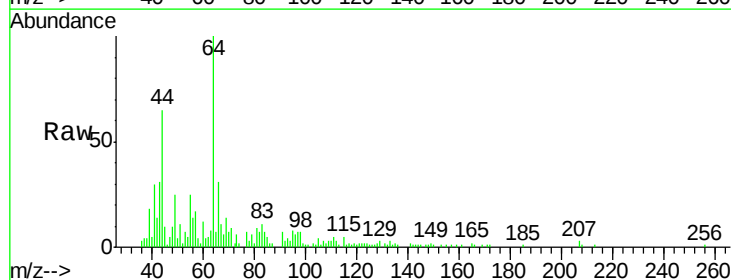
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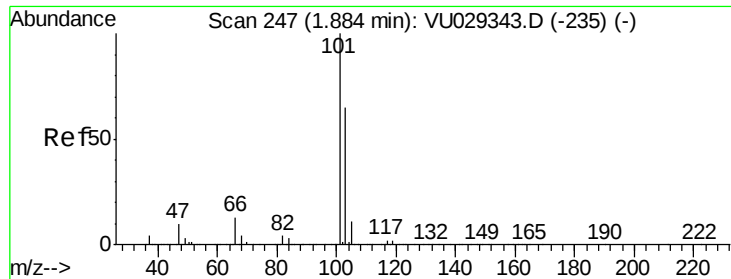
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#6
Chloroethane
Concen: 0.984 ug/l
RT: 1.70 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Tgt Ion: 64 Resp: 12485
Ion Ratio Lower Upper
64 100
66 31.3 26.3 39.5





#7

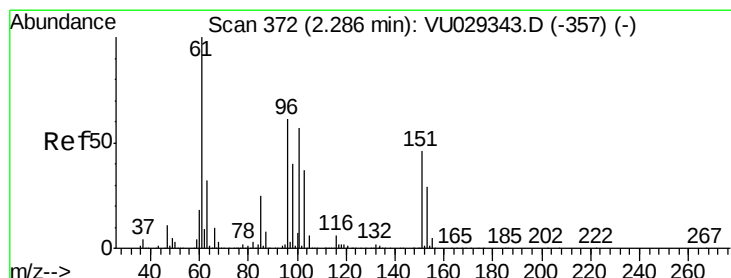
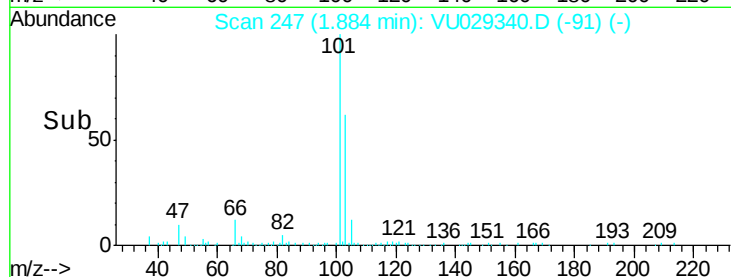
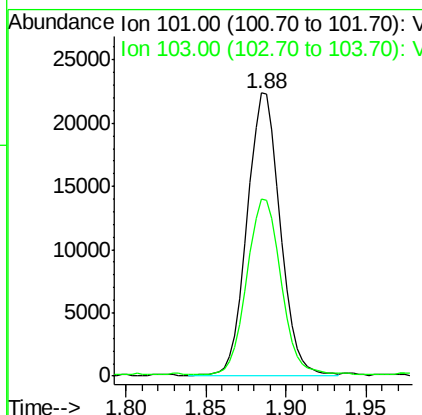
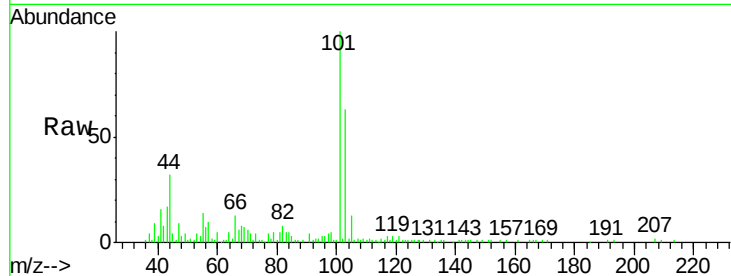
Trichlorofluoromethane
Concen: 1.046 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	53.9	80.9

Manual Integrations
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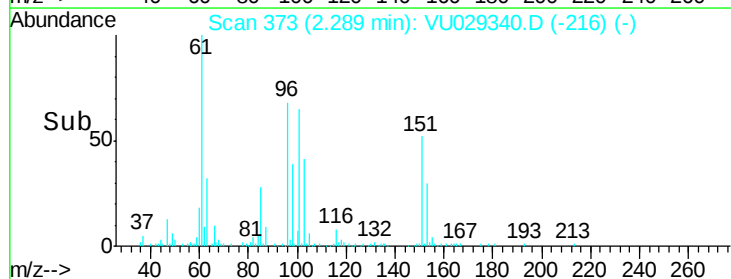
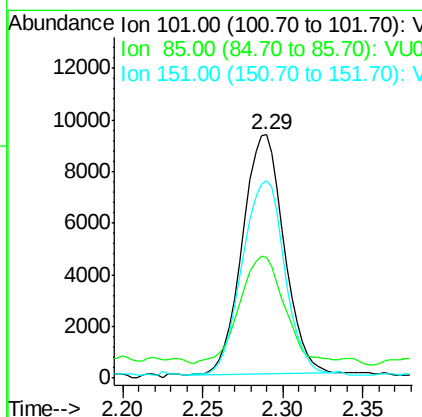
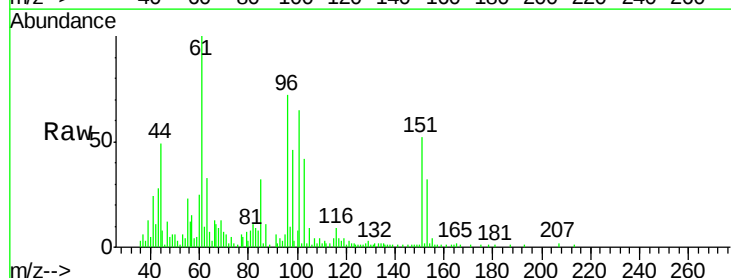
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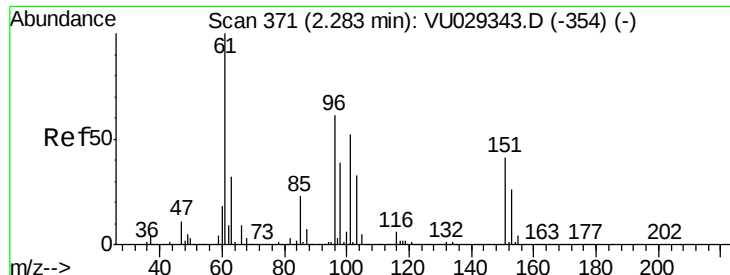


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.033 ug/l
RT: 2.29 min Scan# 373
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
101	100		
85	45.3	40.3	60.5
151	83.2	58.1	87.1





#9

1,1-Dichloroethene

Concen: 1.017 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

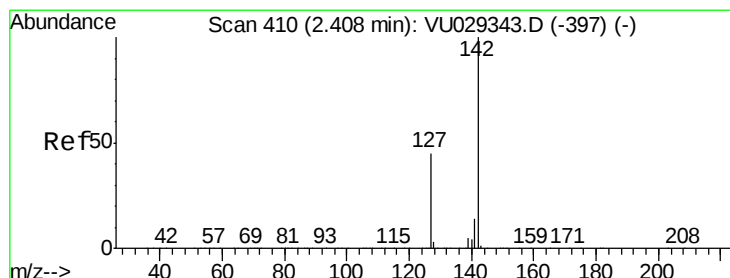
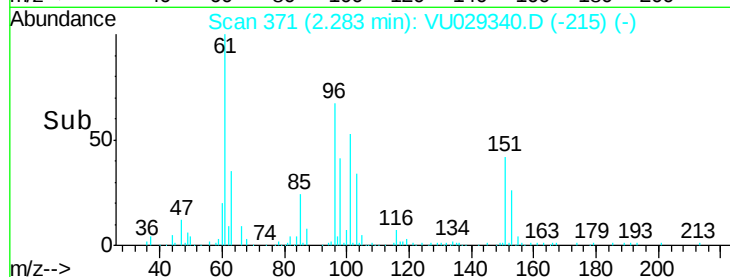
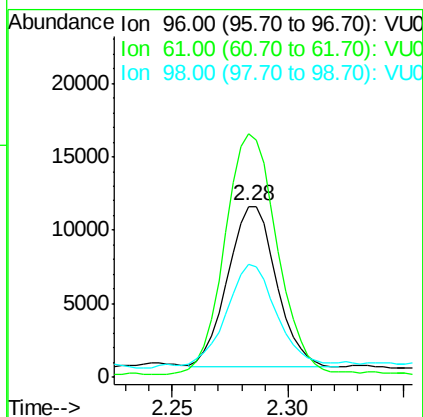
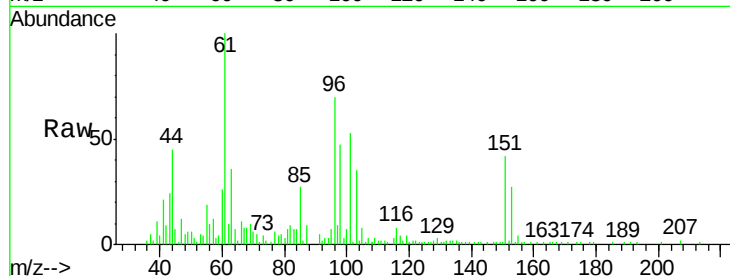
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	15928
Ion	Ratio	Lower	Upper
96	100		
61	148.5	0.0	641.4
98	62.3	0.0	122.6

Manual Integrations
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#10

Iodomethane

Concen: 1.010 ug/l

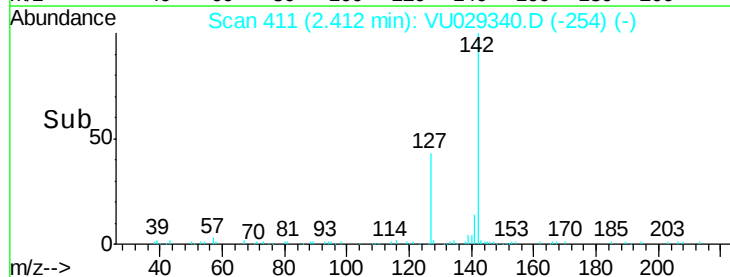
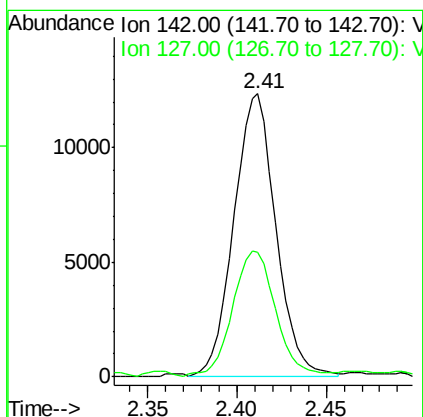
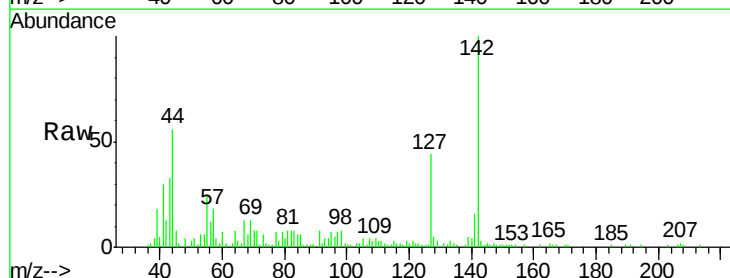
RT: 2.41 min Scan# 411

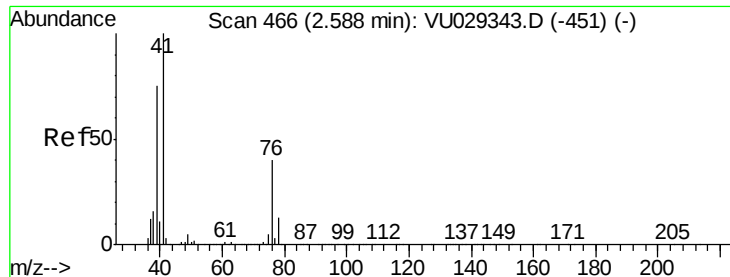
Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Tgt Ion:	142	Resp:	20296
Ion	Ratio	Lower	Upper
142	100		
127	45.9	47.6	71.4#





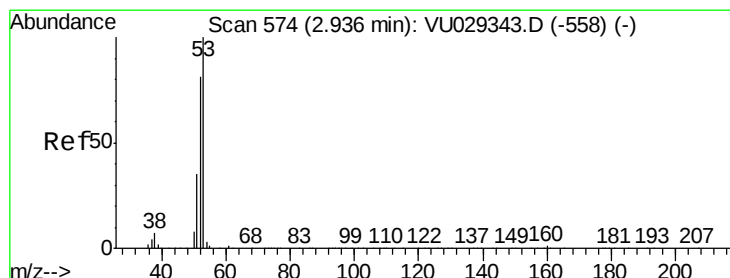
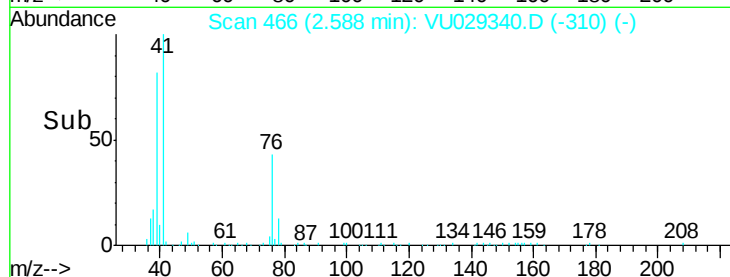
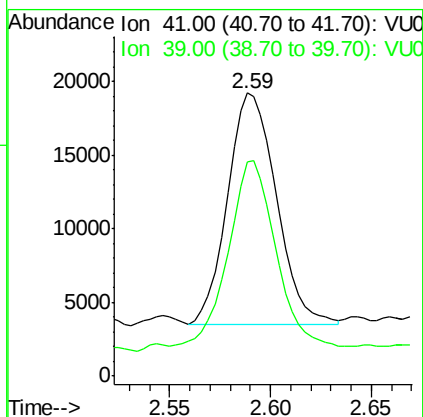
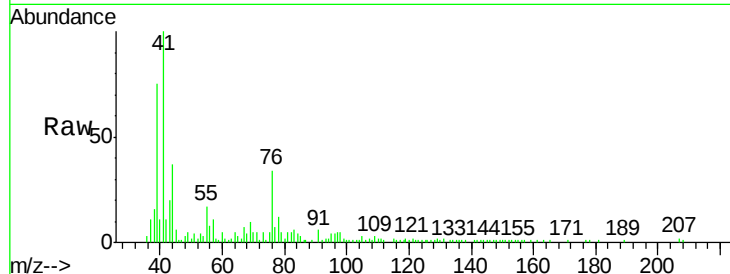
#11
Allvl Chloride
Concen: 1.006 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	41	Resp	26420
Ion Ratio	100	Lower	Upper
39	77.9	67.2	100.8

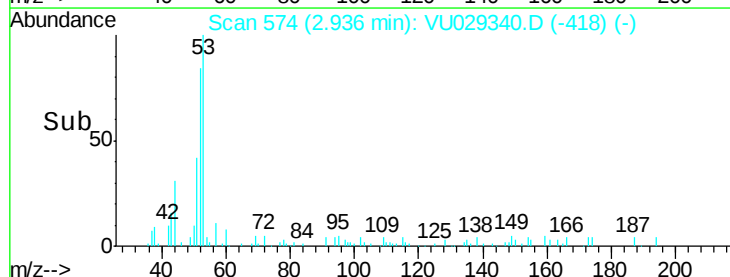
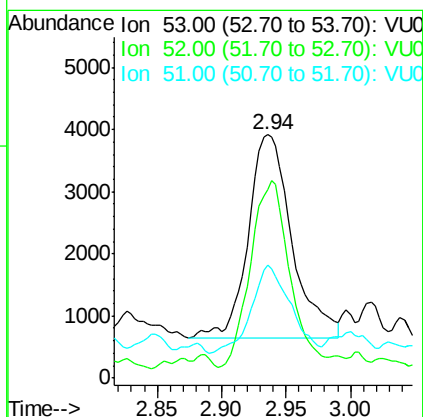
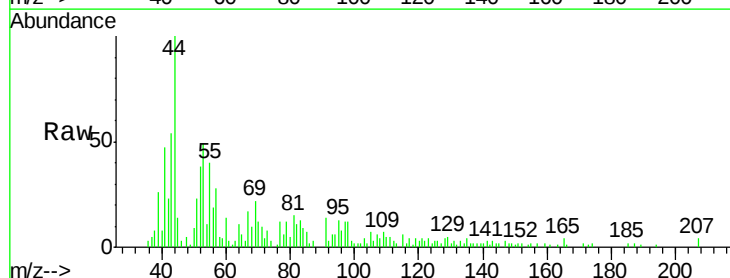
Manual Integrations
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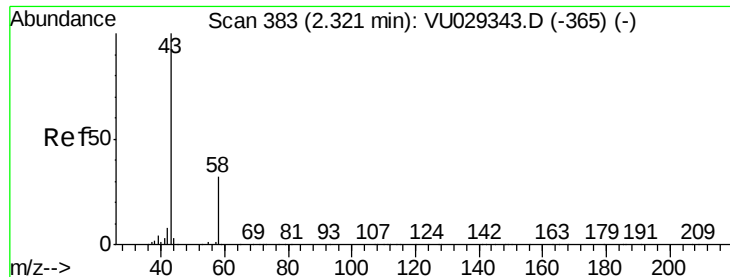
sam
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#12
Acrylonitrile
Concen: 2.208 ug/l
RT: 2.94 min Scan# 574
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Tgt Ion	53	Resp	7751
Ion Ratio	100	Lower	Upper
52	81.3	67.6	101.4
51	38.9	31.0	46.4





#13

Acetone

Concen: 5.471 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 18424

Ion Ratio Lower Upper

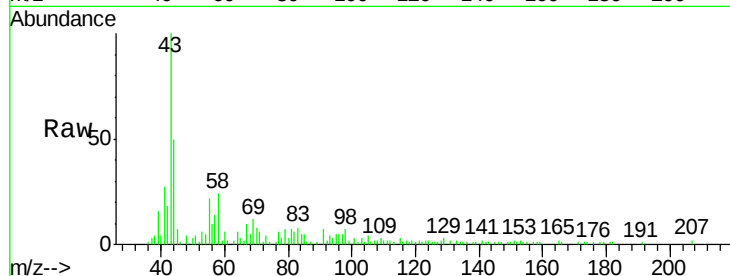
43 100

58 26.4 19.2 28.8

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

Ion 58.00 (57.70 to 58.70): VU0

2.32

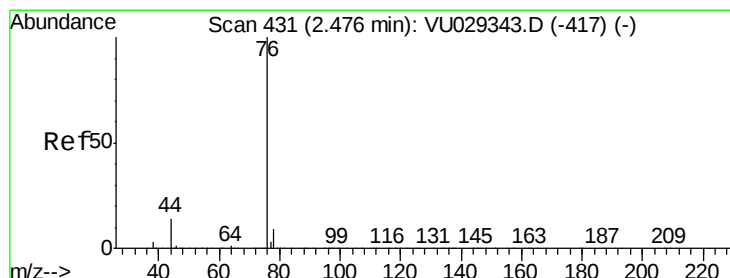
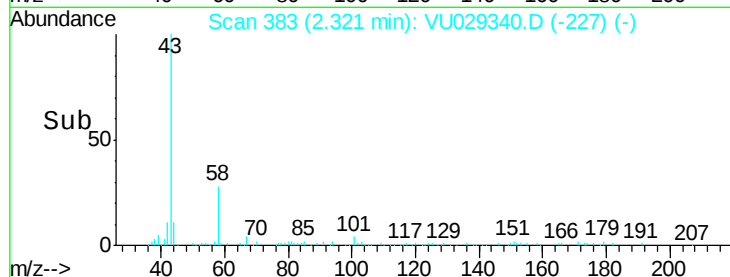
15000

10000

5000

0

Time--> 2.25 2.30 2.35



#14

Carbon Disulfide

Concen: 1.025 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029340.D

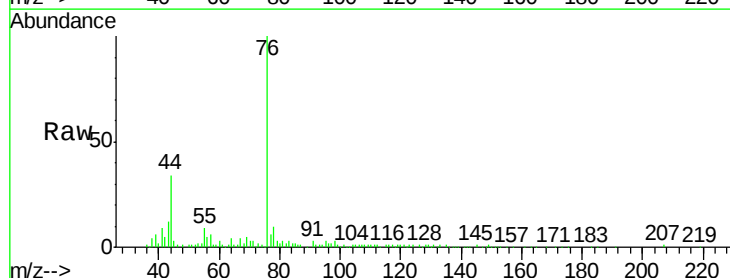
Acq: 05 Feb 2019 11:12

Tgt Ion: 76 Resp: 56698

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

40000

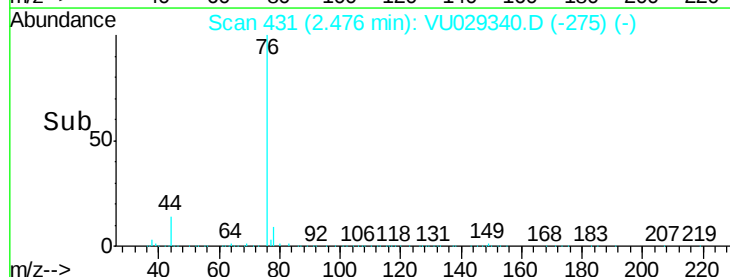
30000

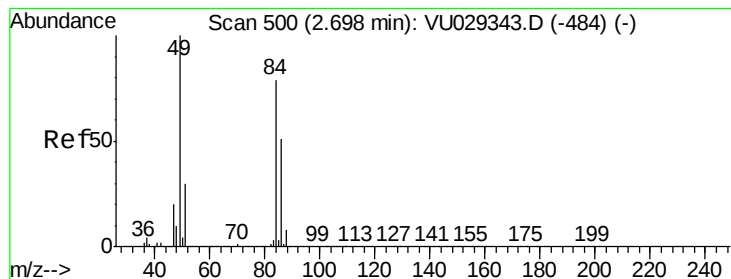
20000

10000

0

Time--> 2.40 2.45 2.50 2.55





#15

Methylene Chloride

Concen: 1.050 ug/l

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

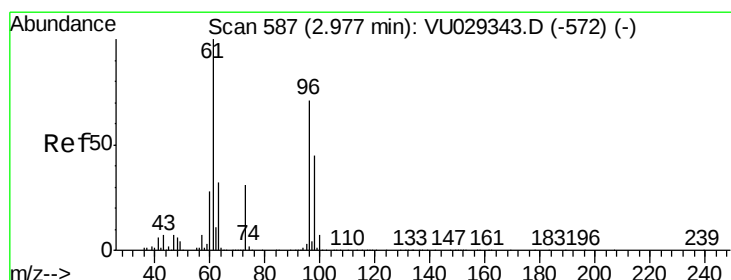
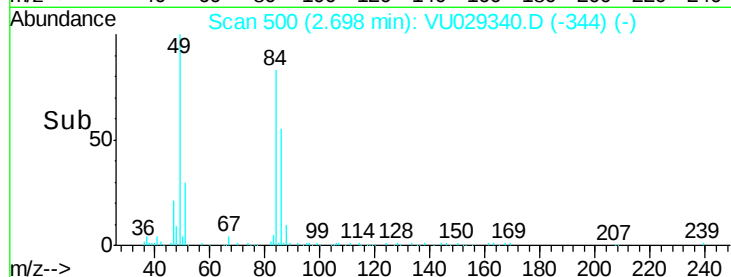
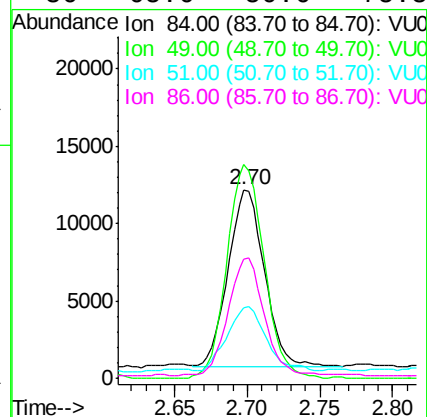
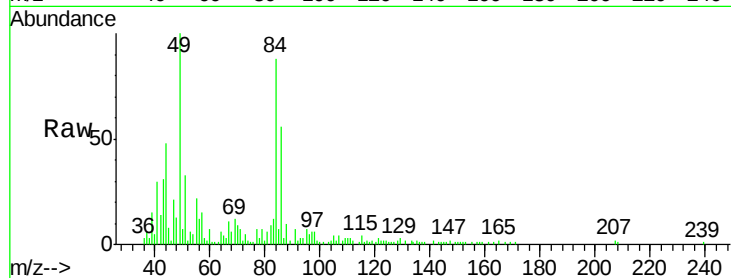
ClientSampleId :

VSTDIC001

Tot Ion:	84	Resp:	19940
Ion	Ratio	Lower	Upper
84	100		
49	120.0	127.0	190.6#
51	35.6	0.0	93.4
86	65.6	50.6	75.8

Manual Integrations
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#16

trans-1,2-Dichloroethene

Concen: 1.042 ug/l

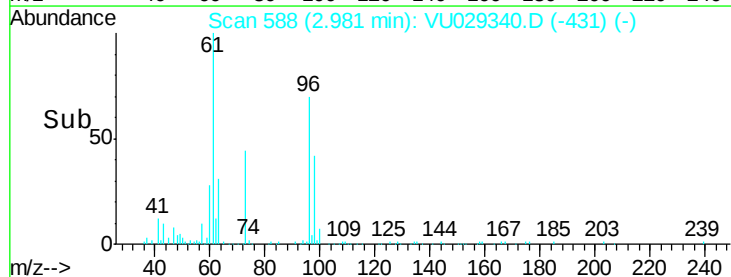
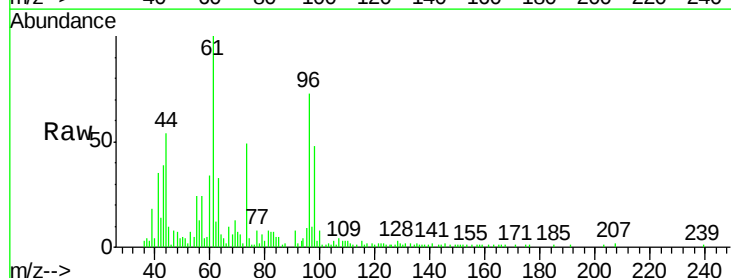
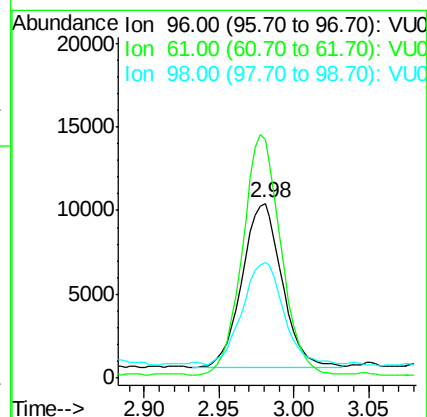
RT: 2.98 min Scan# 588

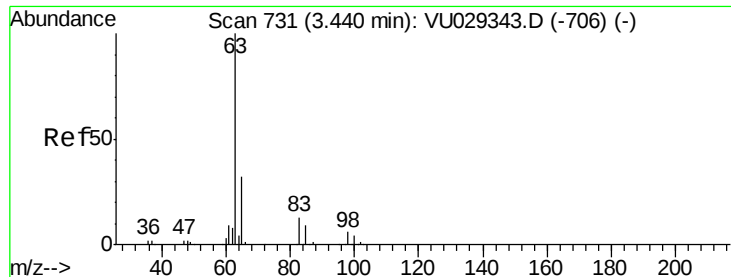
Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Tgt Ion:	96	Resp:	18233
Ion	Ratio	Lower	Upper
96	100		
61	143.6	140.6	210.8
98	61.3	49.3	73.9





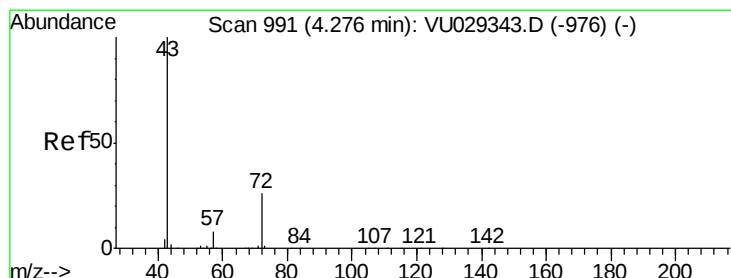
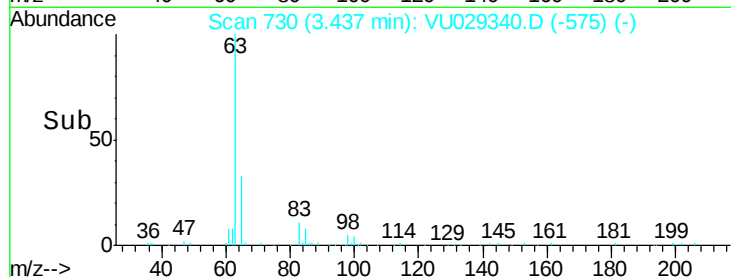
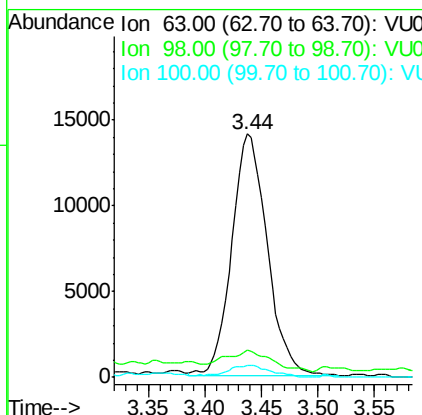
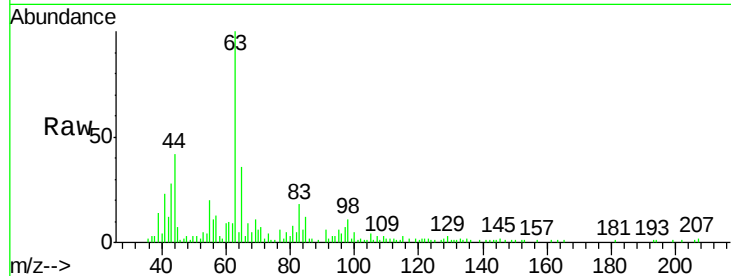
#17
 1,1-Dichloroethane
 Concen: 1.105 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU029340.D
 Acq: 05 Feb 2019 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	7.0	2.9	8.8	
100	4.7	1.7	5.1	

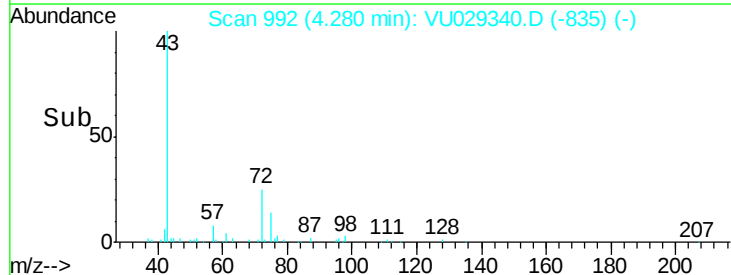
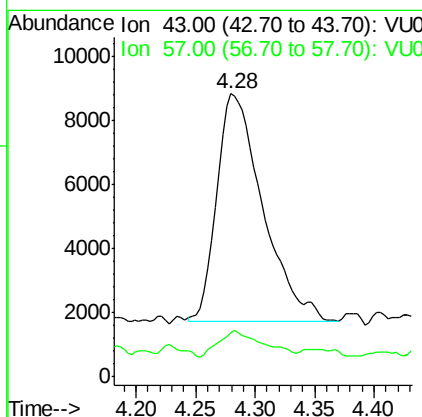
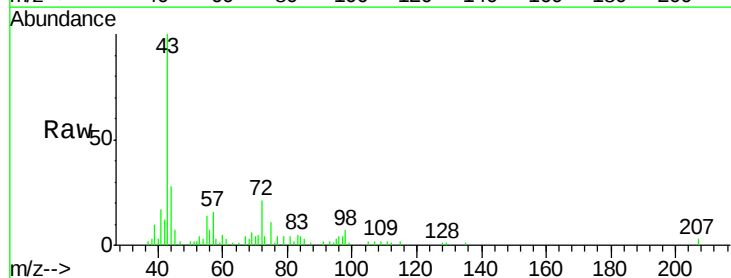
Manual Integrations
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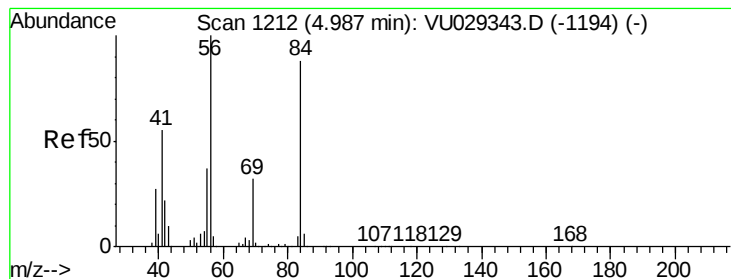
sam
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#18
 2-Butanone
 Concen: 5.005 ug/l
 RT: 4.28 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VU029340.D
 Acq: 05 Feb 2019 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.0	0.0	15.8	





#19

Cyclohexane

Concen: 1.158 ug/l m

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

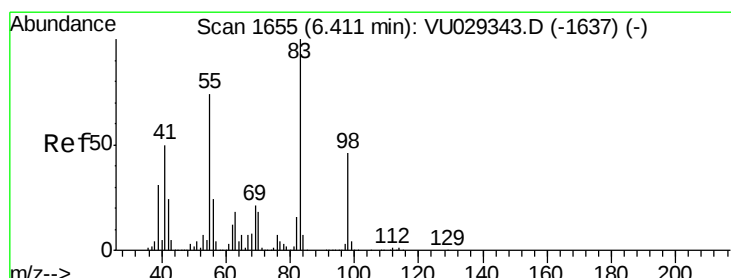
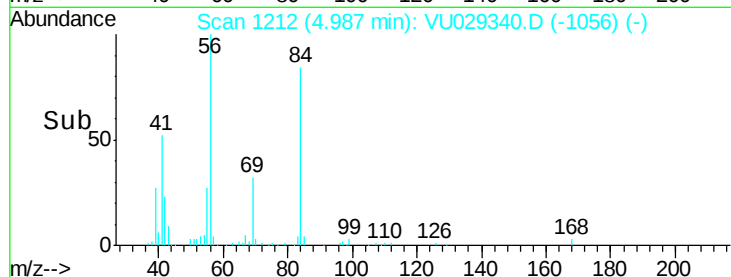
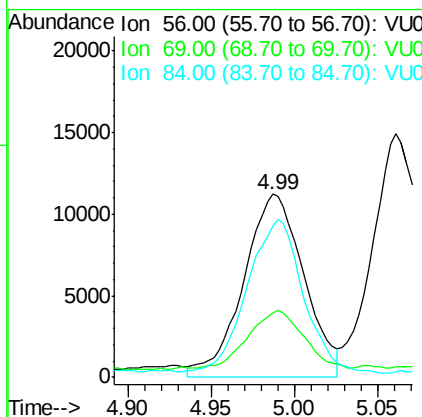
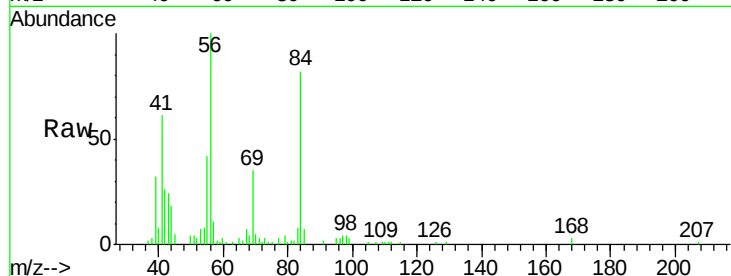
ClientSampled :

VSTDIC001

Tot Ion:	56	Resp:	28347
Ion	Ratio	Lower	Upper
56	100		
69	28.0	26.8	40.2
84	76.3	71.5	107.3

Manual Integrations
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#20

Methylcyclohexane

Concen: 1.062 ug/l

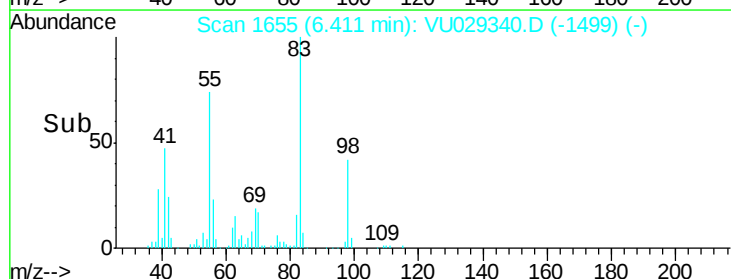
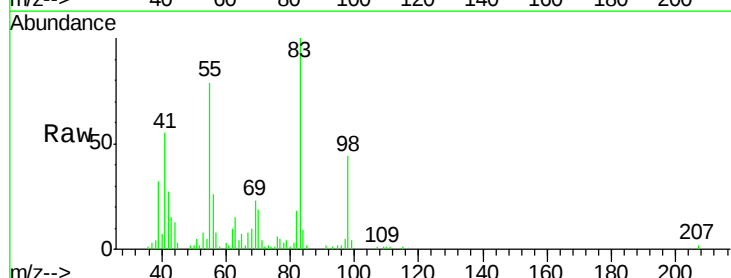
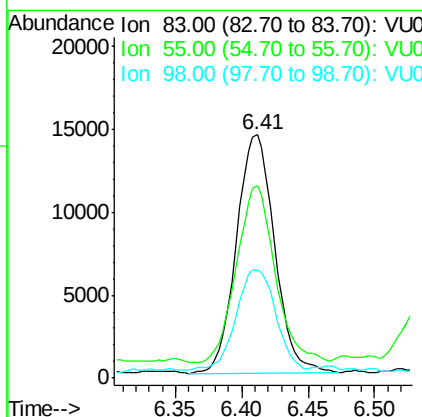
RT: 6.41 min Scan# 1655

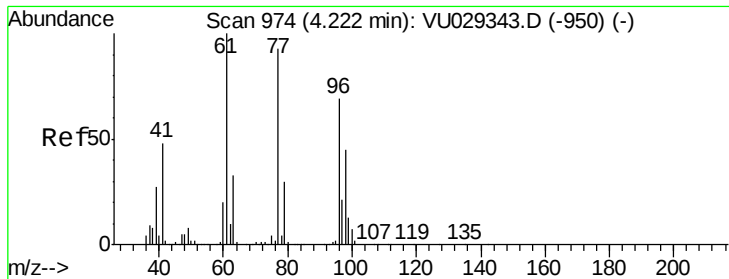
Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Tgt Ion:	83	Resp:	28714
Ion	Ratio	Lower	Upper
83	100		
55	74.3	72.4	108.6
98	42.7	36.6	54.8





#21

2,2-Dichloropropane

Concen: 1.046 ug/l

RT: 4.22 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

ClientSampled :

VSTDIC001

Tot Ion: 77 Resp: 26872

Ion Ratio Lower Upper

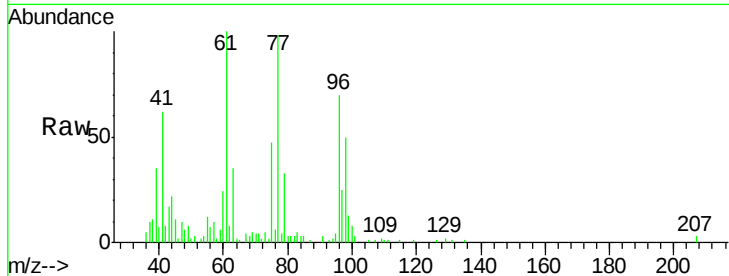
77 100

97 23.3 15.6 23.4

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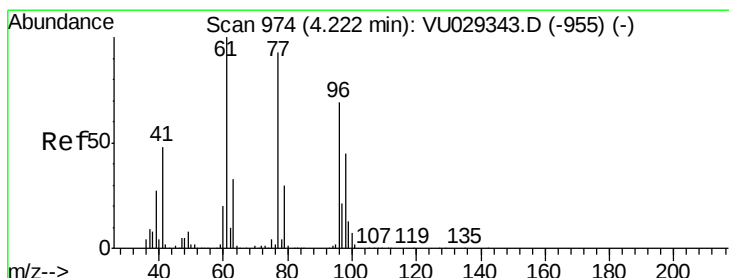
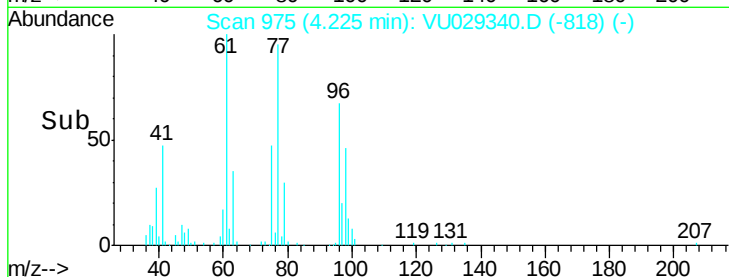
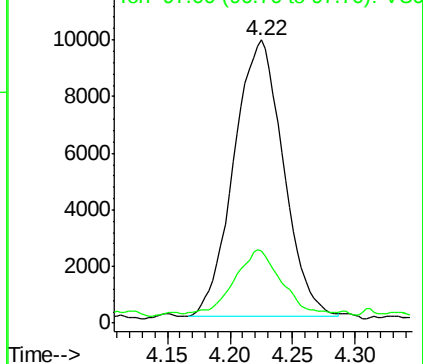
sam

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Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 1.071 ug/l

RT: 4.22 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

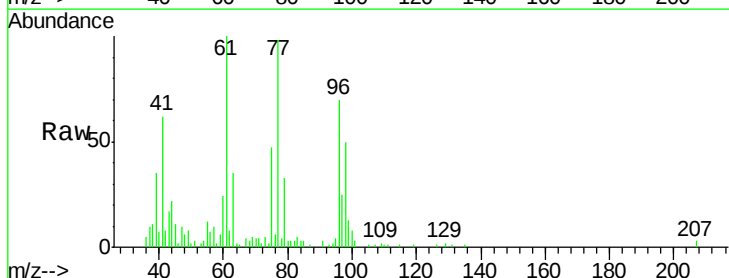
Tgt Ion: 96 Resp: 17679

Ion Ratio Lower Upper

96 100

61 148.6 0.0 460.0

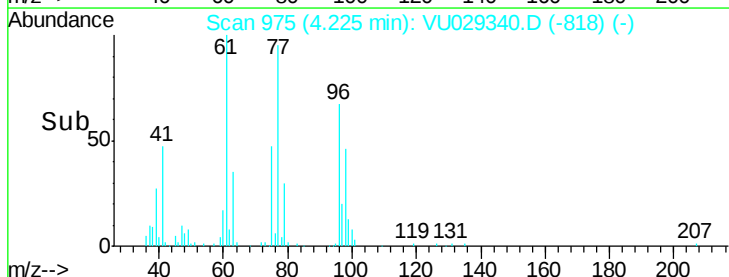
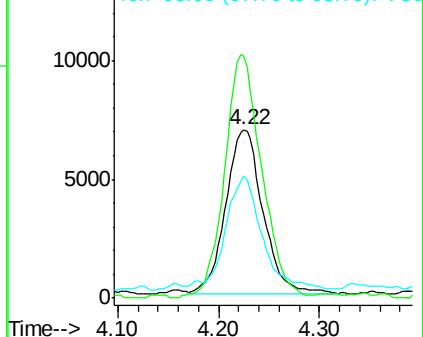
98 66.3 32.6 97.7

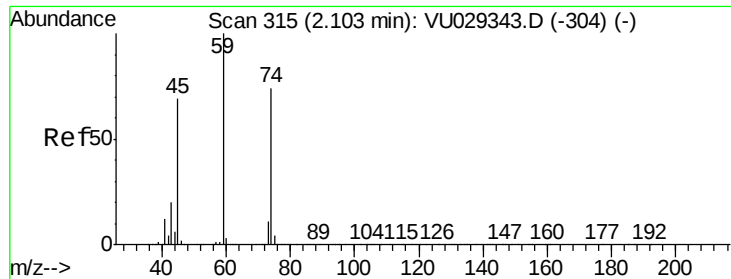


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





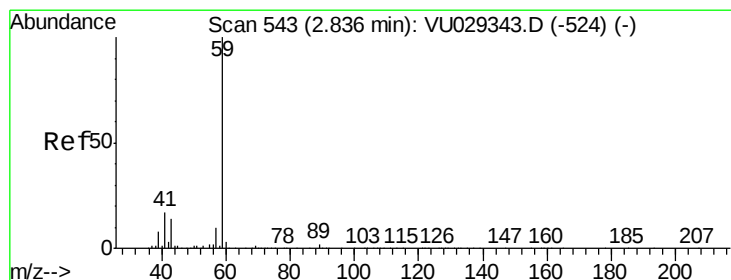
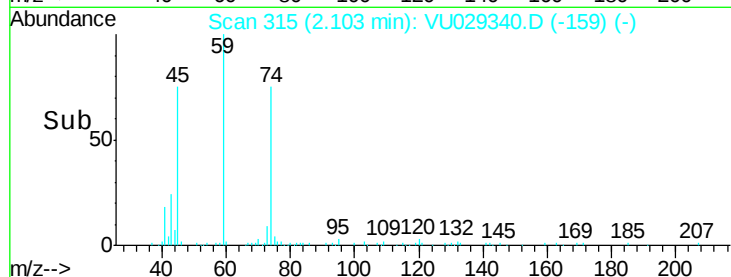
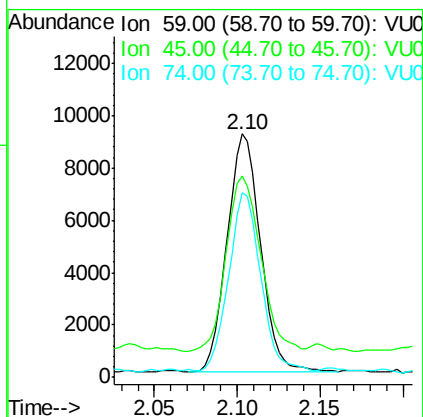
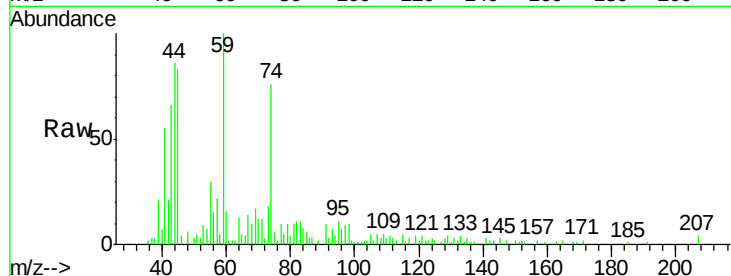
#23
Diethyl Ether
Concen: 1.012 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
59	100		
45	75.8	64.2	96.4
74	71.3	55.3	82.9

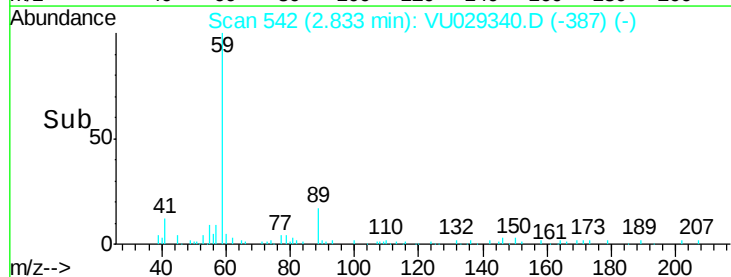
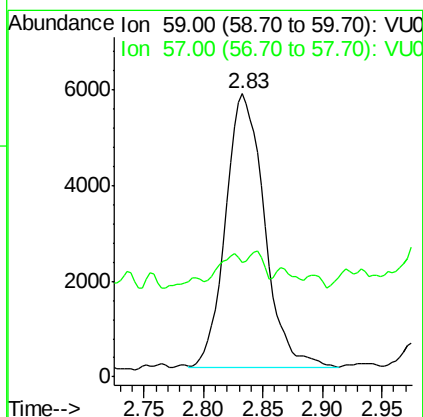
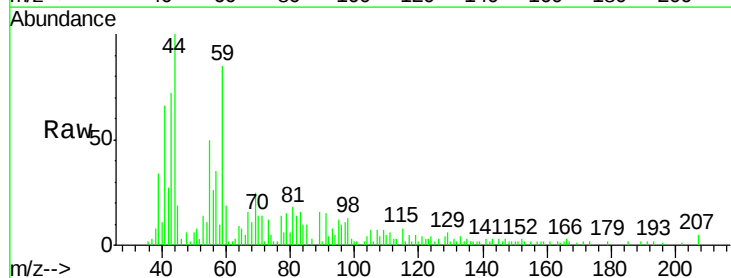
Manual Integrations
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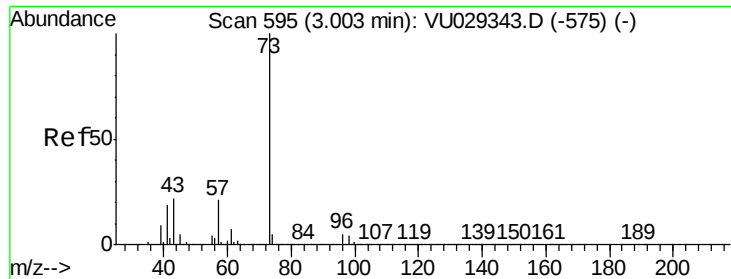
sam
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#24
tert-Butyl Alcohol
Concen: 9.855 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
59	100		
57	5.3	8.8	13.2#





#25

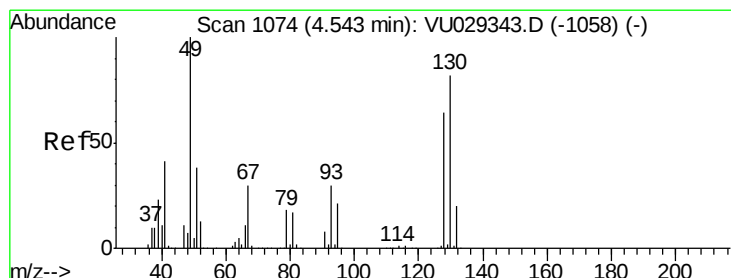
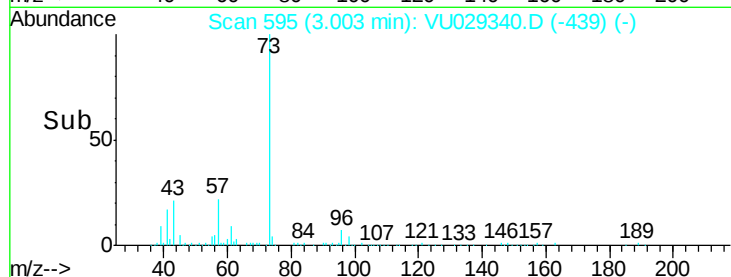
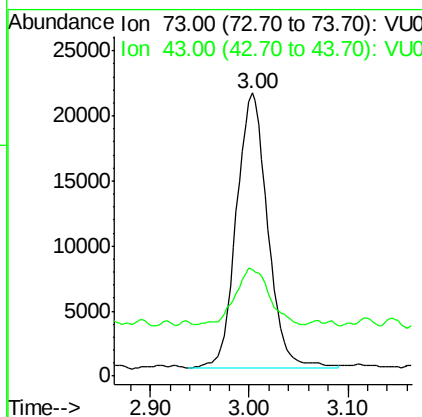
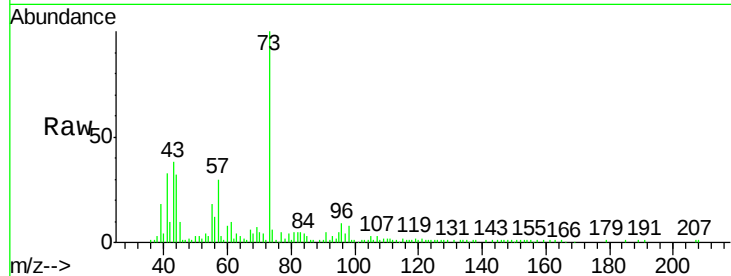
Methyl tert-Butyl Ether
 Concen: 1.054 ug/l
 RT: 3.00 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VU029340.D
 Acq: 05 Feb 2019 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

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

Manual Integrations
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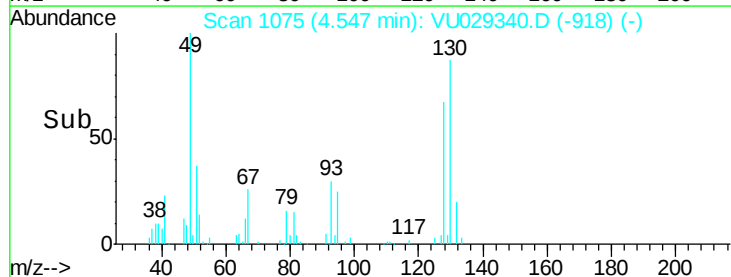
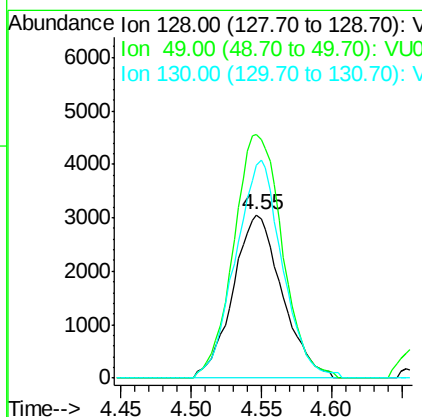
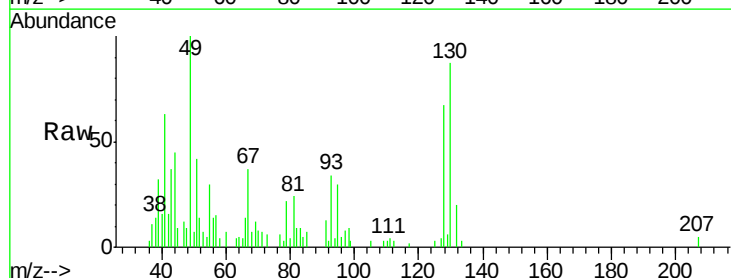
sam
 2/8/2019 2:26:12 PM

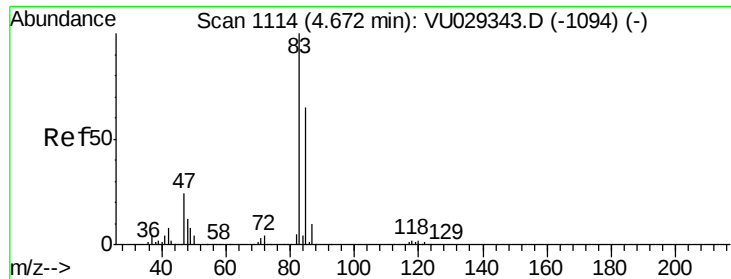


#26

Bromochloromethane
 Concen: 1.018 ug/l
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VU029340.D
 Acq: 05 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
128	100		
49	148.0	0.0	401.6
130	127.7	108.0	162.0





#27

Chloroform

Concen: 1.041 ug/l

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 83 Resp: 28092

Ion Ratio Lower Upper

83 100

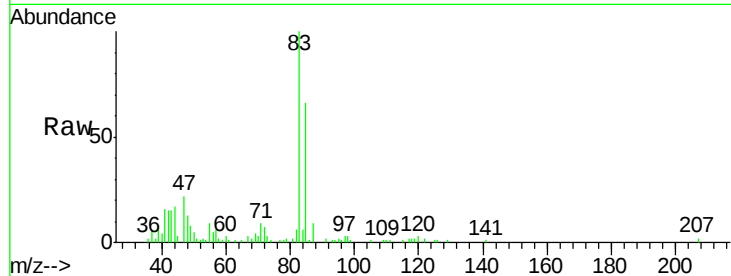
85 66.0 0.0 126.6

Manual Integrations

APPROVED

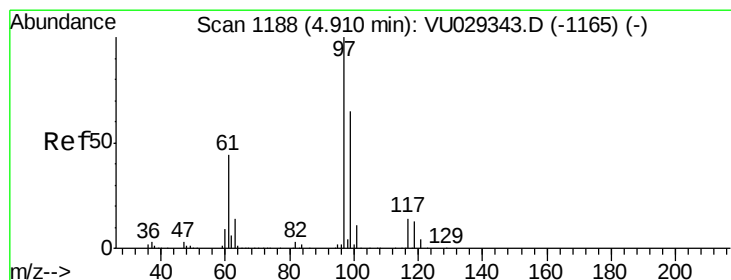
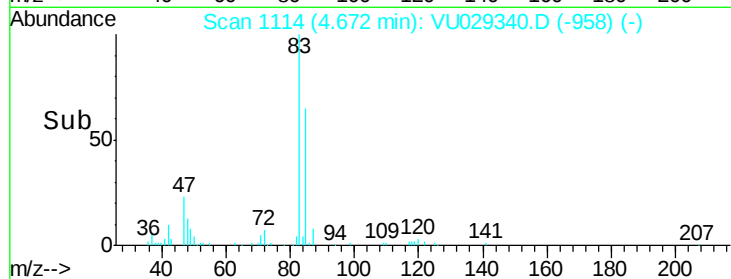
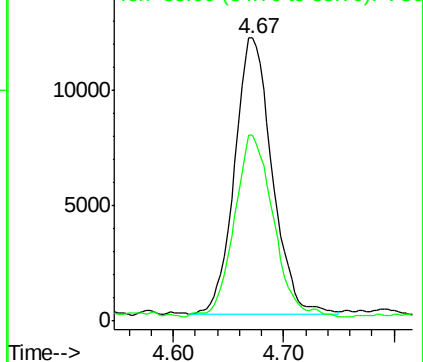
sam

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Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 1.046 ug/l

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

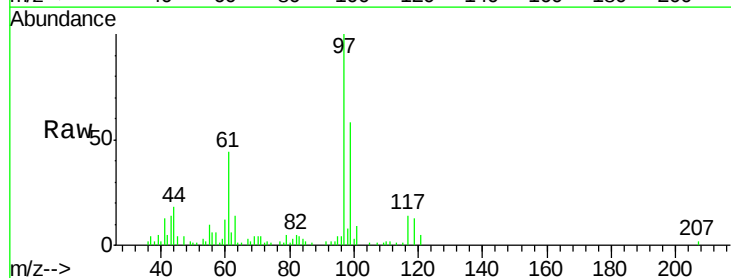
Tgt Ion: 97 Resp: 26171

Ion Ratio Lower Upper

97 100

99 65.3 32.4 97.2

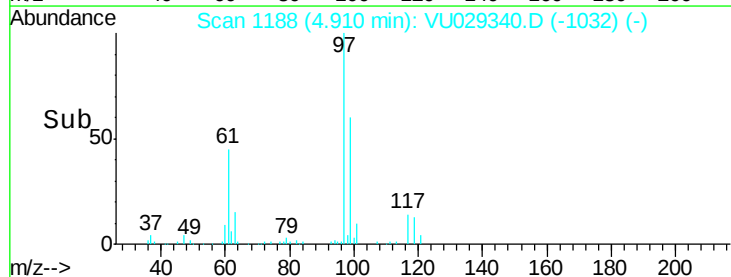
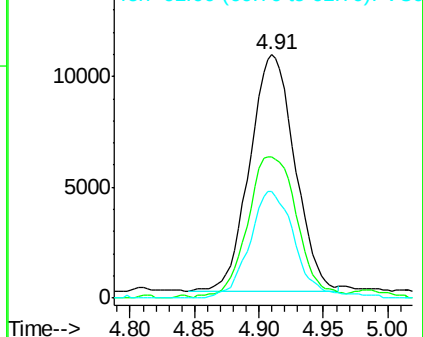
61 45.8 24.4 73.2

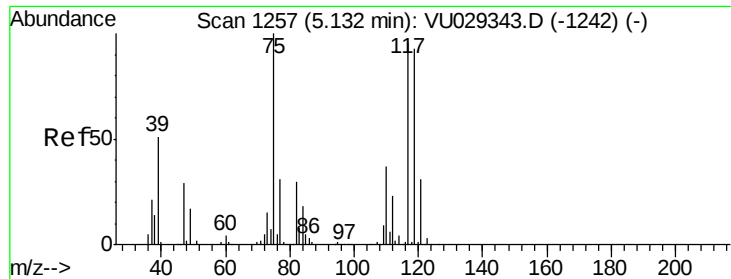


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





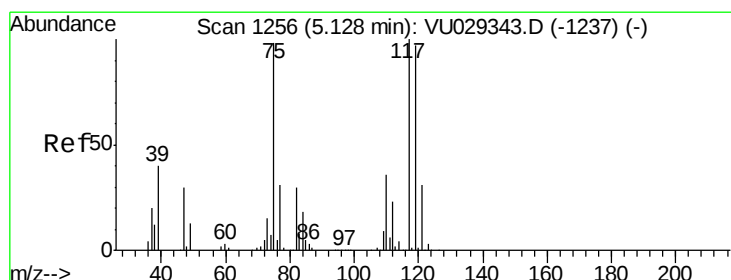
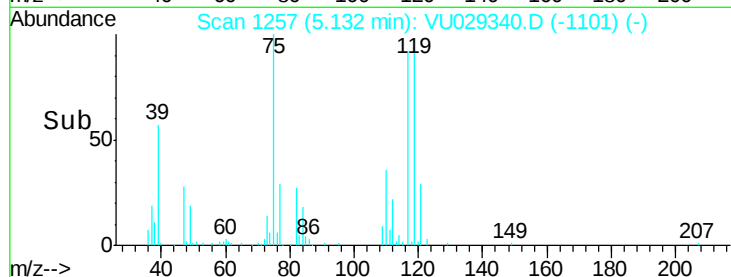
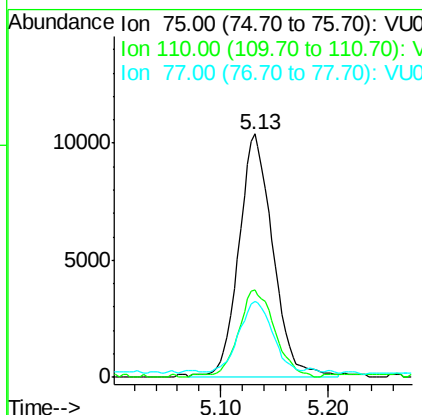
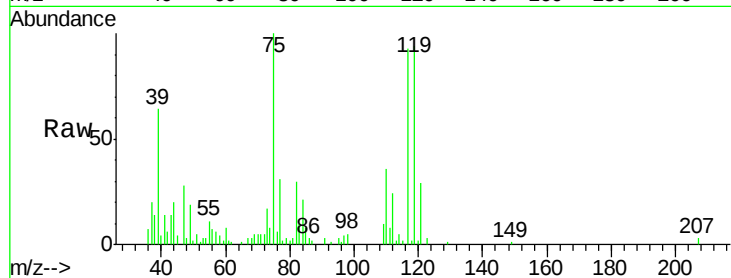
#29
 1,1-Dichloropropene
 Concen: 1.055 ug/l
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VU029340.D
 Acq: 05 Feb 2019 11:12

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
75	100	22926		
110	37.6		15.4	46.2
77	28.2		24.1	36.1

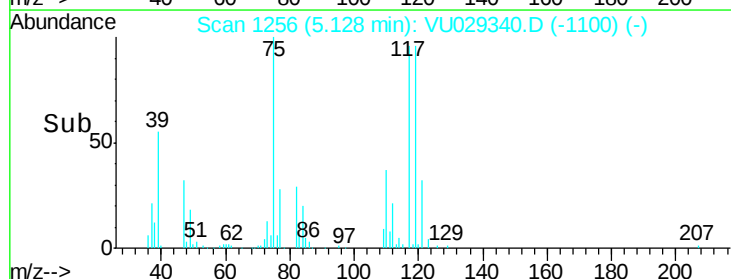
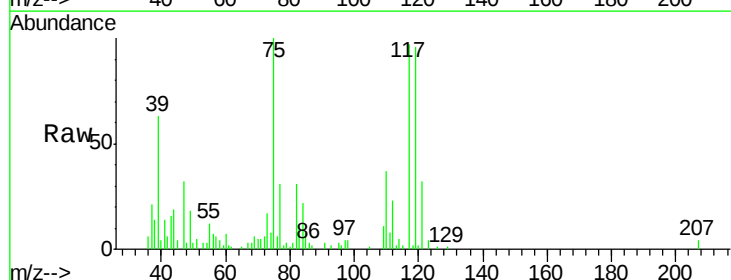
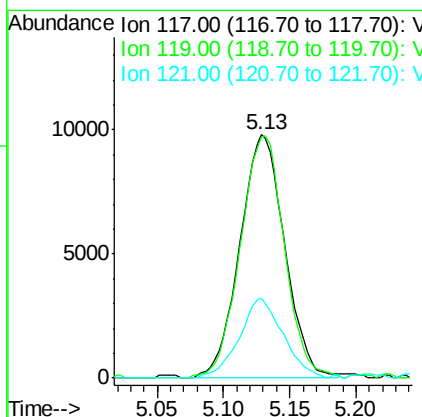
Manual Integrations
 APPROVED

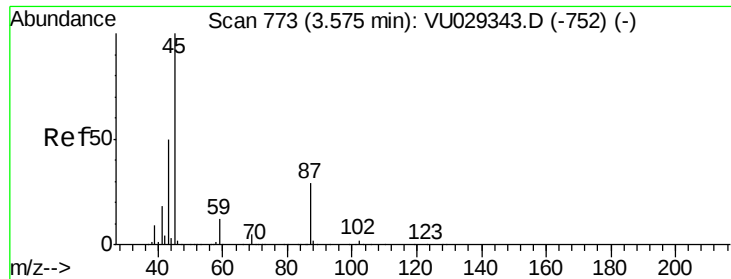
sam
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#30
 Carbon Tetrachloride
 Concen: 1.019 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU029340.D
 Acq: 05 Feb 2019 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	23087		
119	98.9		76.8	115.2
121	32.6		24.4	36.6





#31

Isopropyl Ether

Concen: 1.040 ug/l

RT: 3.58 min Scan# 774

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 43549

Ion Ratio Lower Upper

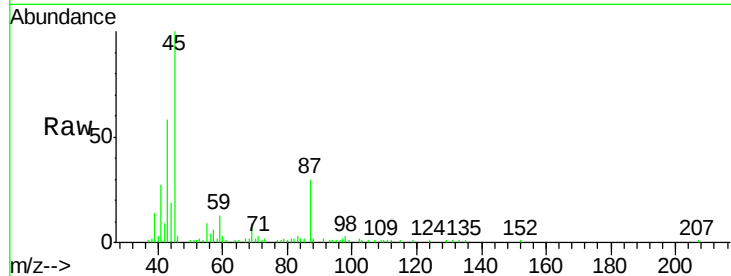
45 100

43 52.3 28.4 85.3

Manual Integrations
APPROVED

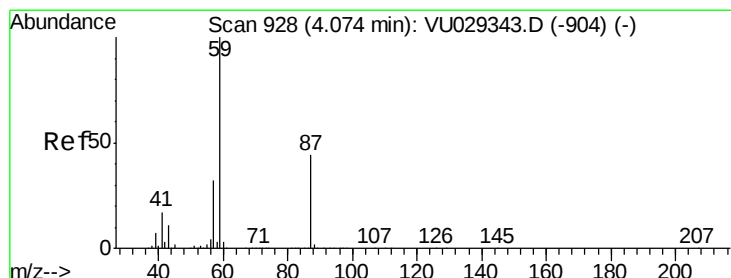
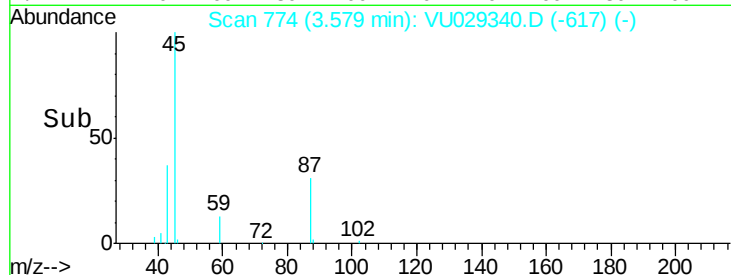
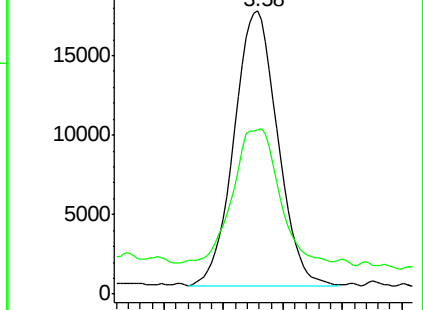
Sam

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Abundance Ion 45.00 (44.70 to 45.70): VU029340.D (-617) (-)

Ion 43.00 (42.70 to 43.70): VU029340.D (-617) (-)



#32

Ethyl-t-butyl ether

Concen: 1.032 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU029340.D

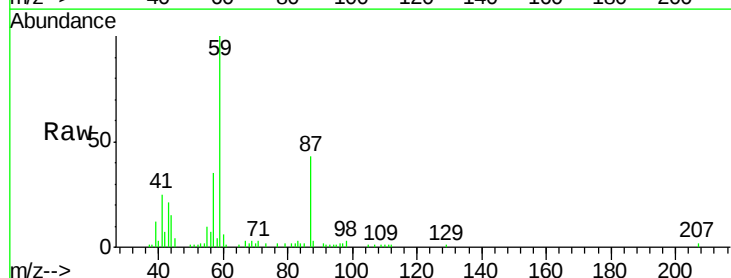
Acq: 05 Feb 2019 11:12

Tgt Ion: 59 Resp: 43333

Ion Ratio Lower Upper

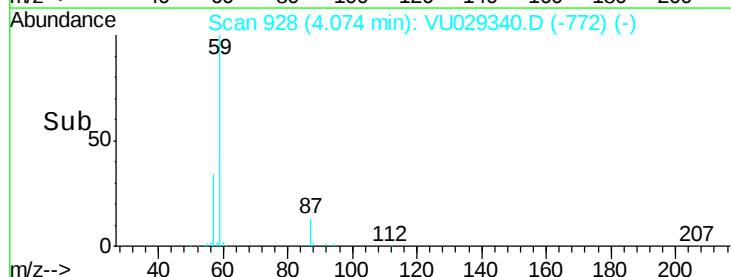
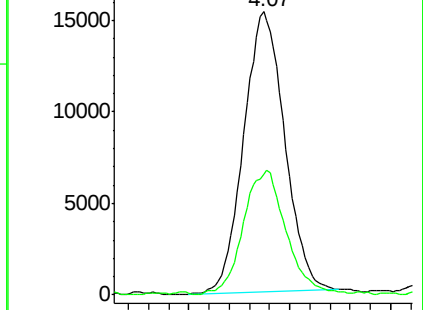
59 100

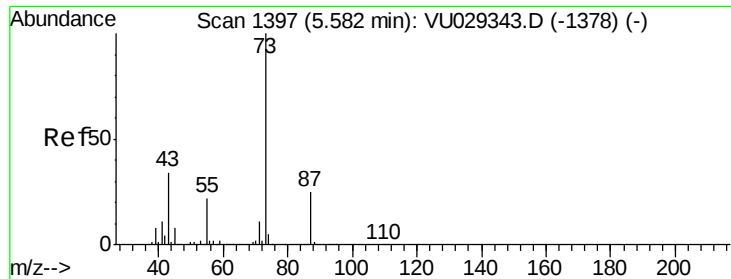
87 45.4 31.1 46.7



Abundance Ion 59.00 (58.70 to 59.70): VU029340.D (-772) (-)

Ion 87.00 (86.70 to 87.70): VU029340.D (-772) (-)





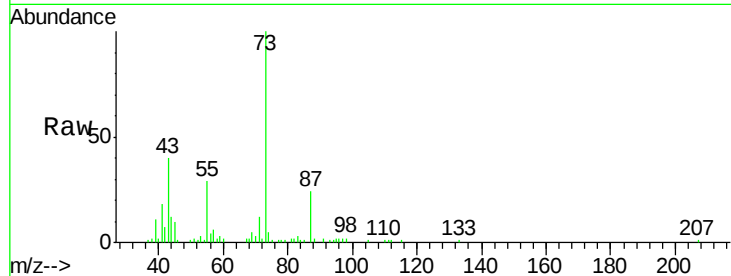
#33
Tert-Butyl methyl ether
Concen: 1.035 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.8	19.4	29.0
71	11.6	9.0	13.4

Manual Integrations
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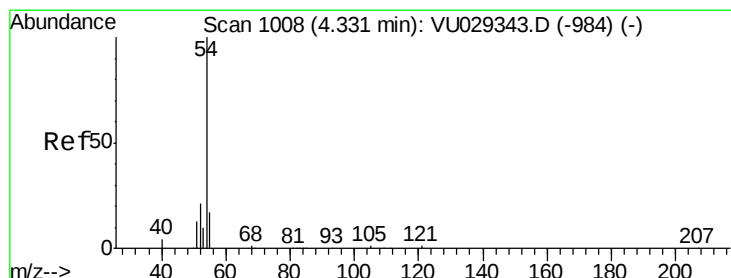
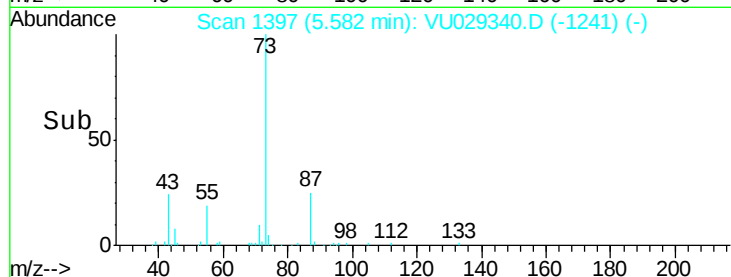
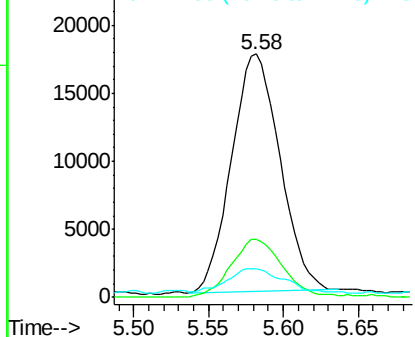


Abundance

Ion 73.00 (72.70 to 73.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#34
Propionitrile
Concen: 4.237 ug/l
RT: 4.34 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
54	100		
52	8.7	18.9	28.3#
55	21.1	15.1	22.7
40	1.2	7.2	10.8#

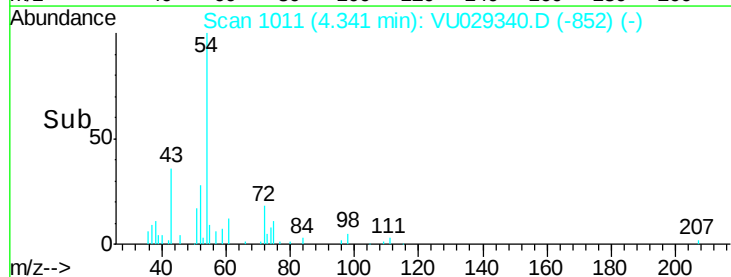
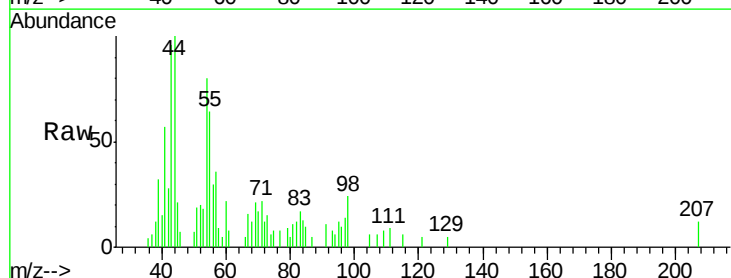
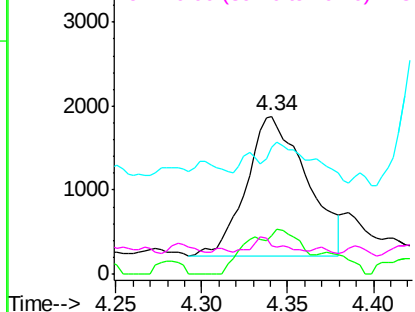
Abundance

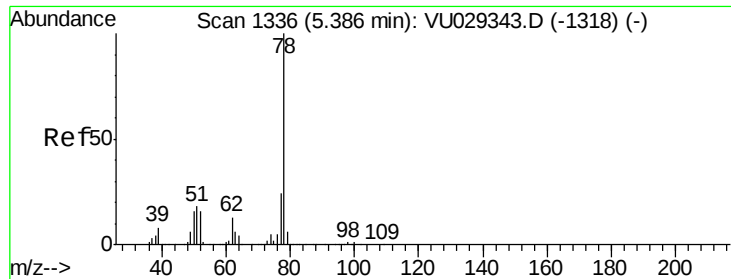
Ion 54.00 (53.70 to 54.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 1.034 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 62091

Ion Ratio Lower Upper

78 100

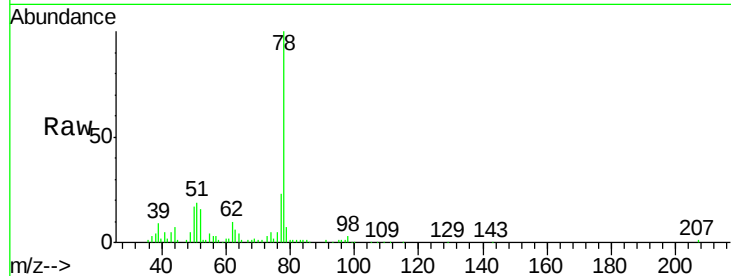
77 22.2 19.8 29.8

Manual Integrations

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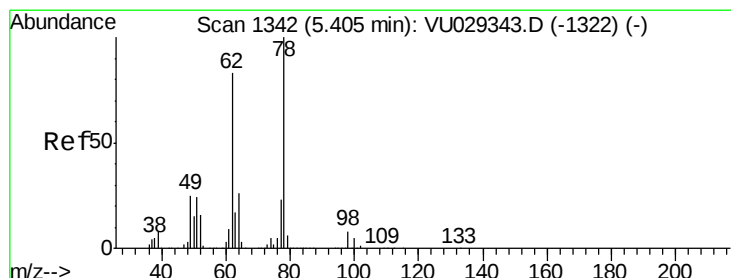
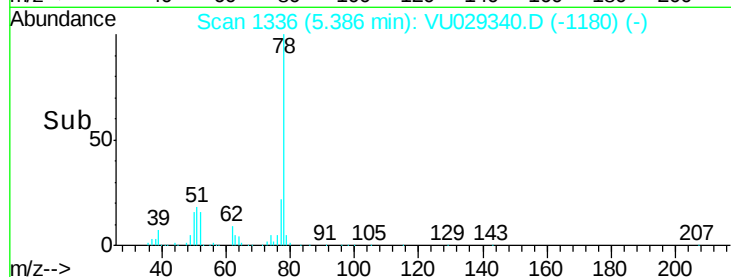
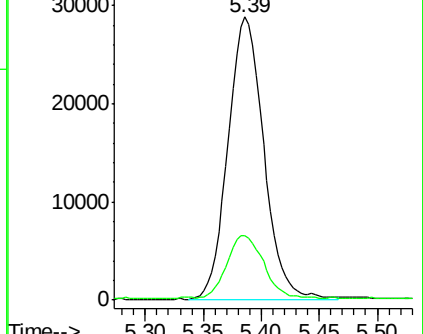
sam

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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 1.016 ug/l

RT: 5.40 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU029340.D

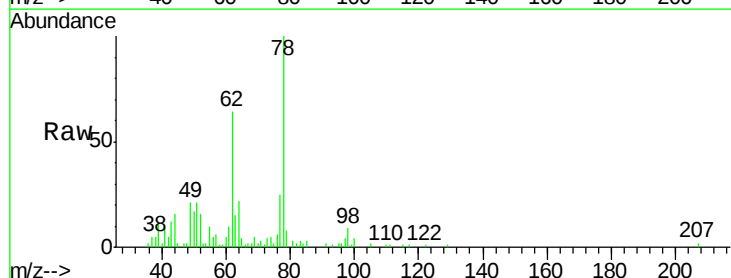
Acq: 05 Feb 2019 11:12

Tgt Ion: 62 Resp: 18463

Ion Ratio Lower Upper

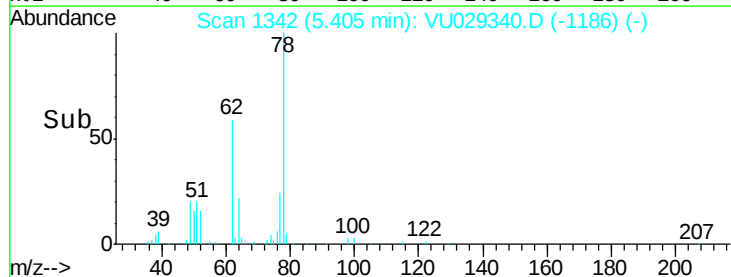
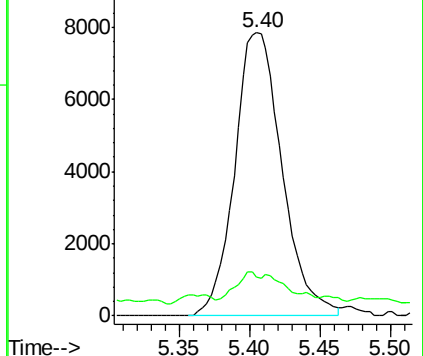
62 100

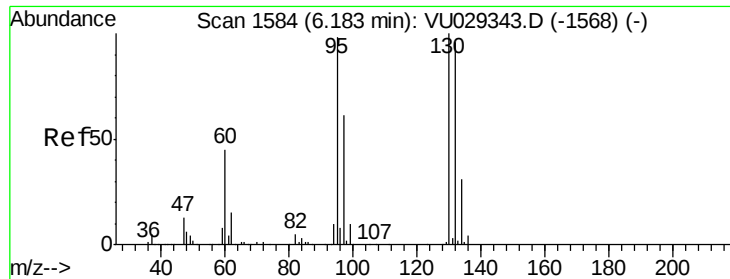
98 5.0 4.9 7.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

Trichloroethene

Concen: 1.032 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 17796

Ion Ratio Lower Upper

130 100

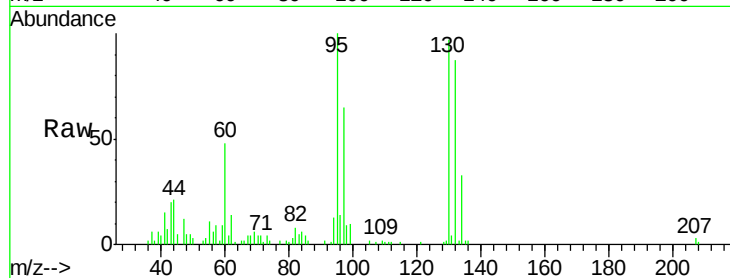
95 100.3 85.4 128.0

Manual Integrations

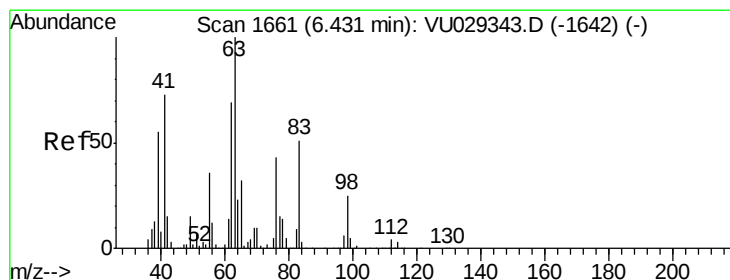
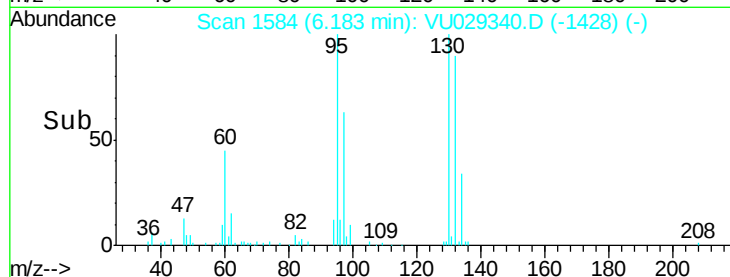
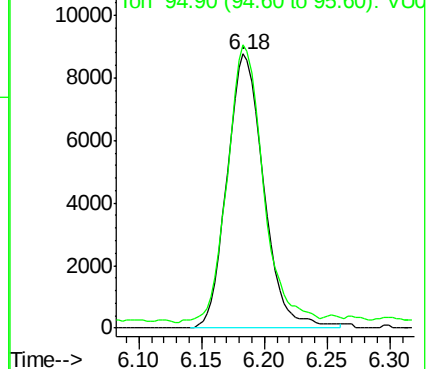
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Abundance Ion 129.90 (129.60 to 130.60): VU029340.D (-1568) (-)



#38

1,2-Dichloropropane

Concen: 1.051 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029340.D

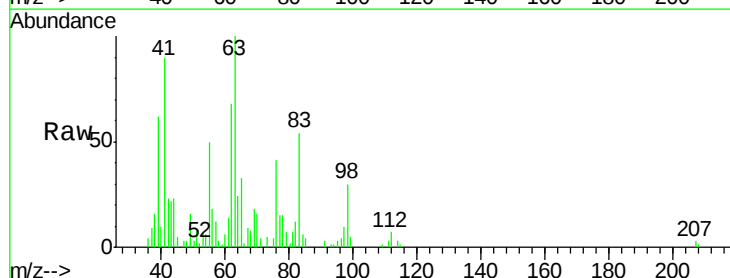
Acq: 05 Feb 2019 11:12

Tgt Ion: 63 Resp: 16425

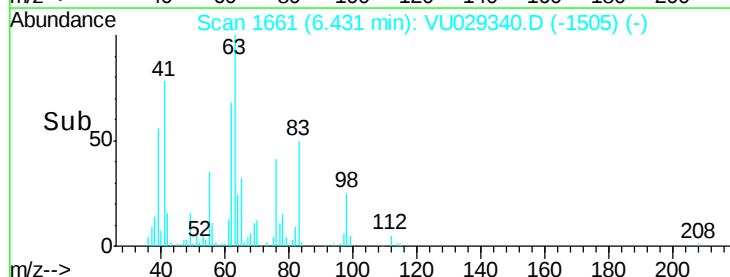
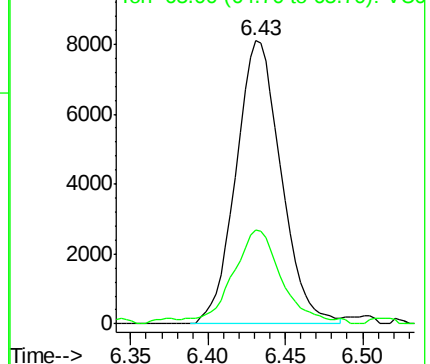
Ion Ratio Lower Upper

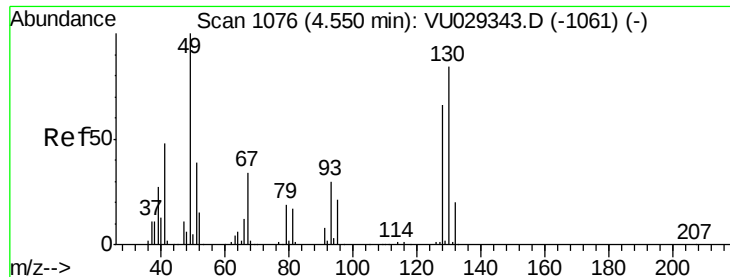
63 100

65 31.3 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU029340.D (-1505) (-)





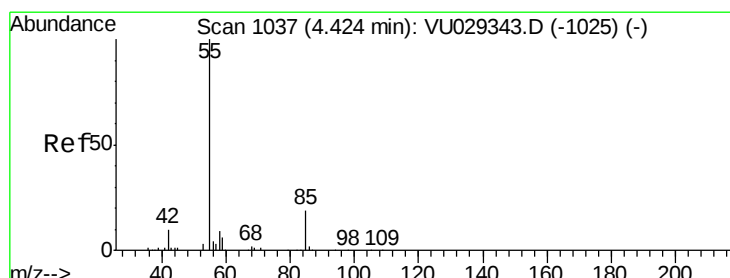
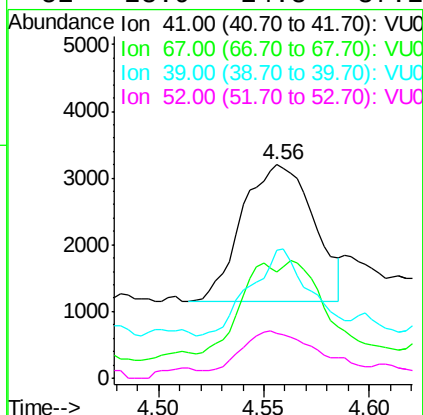
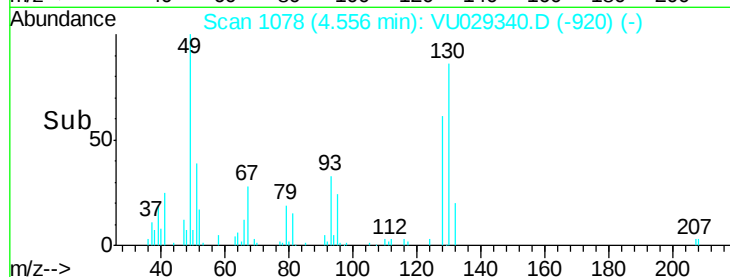
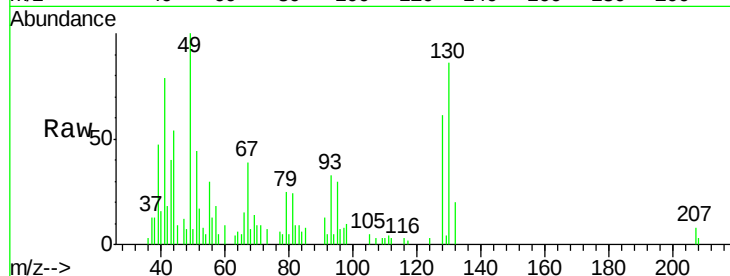
#39
Methacrylonitrile
Concen: 0.957 ug/l
RT: 4.56 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
67	33.9	50.1	75.1#
39	50.8	47.9	71.9
52	28.9	24.8	37.2

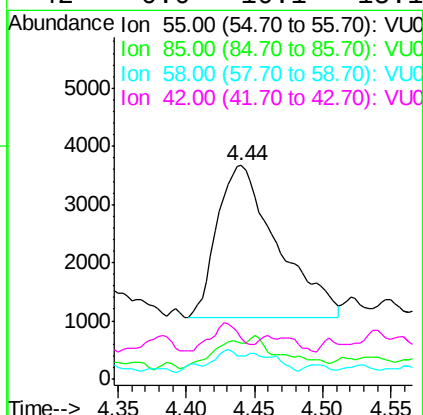
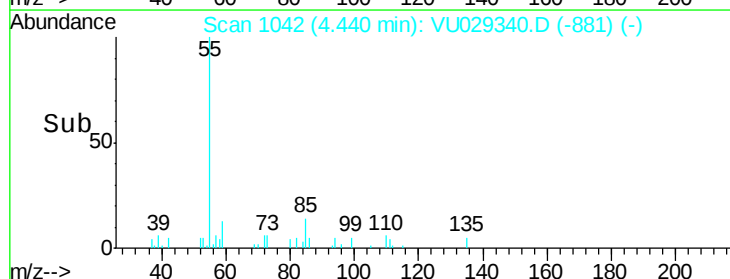
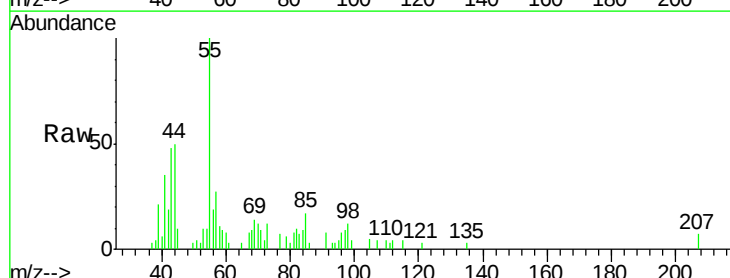
Manual Integrations
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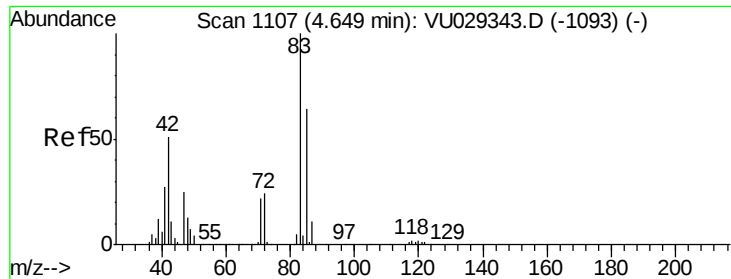
sam
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#40
Methyl acrylate
Concen: 1.051 ug/l
RT: 4.44 min Scan# 1042
Delta R.T. 0.02 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
55	100		
85	8.5	11.3	16.9#
58	0.0	6.2	9.4#
42	0.0	10.1	15.1#





#41

Tetrahydrofuran

Concen: 2.018 ug/l m

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

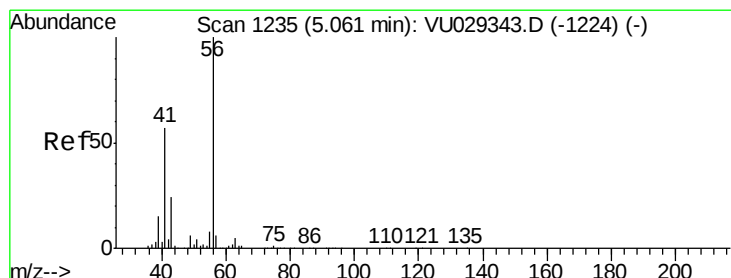
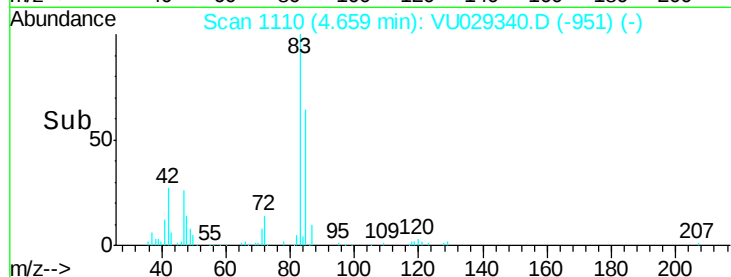
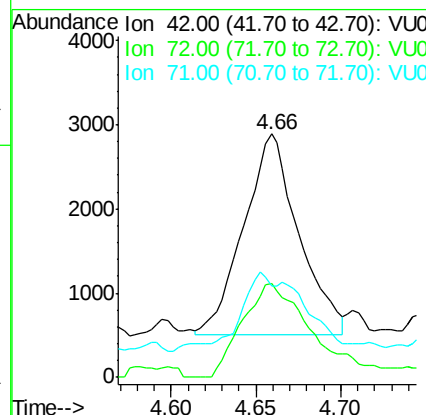
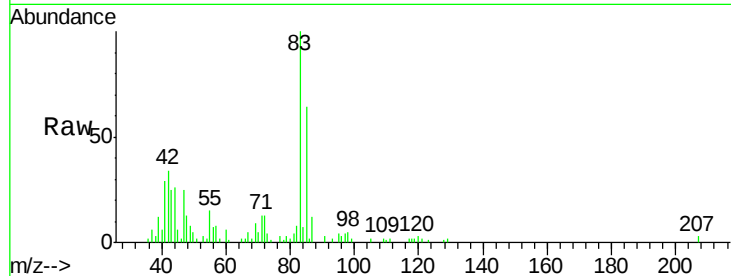
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	5368
Ion	Ratio	Lower	Upper
42	100		
72	4.7	33.1	49.7#
71	5.1	30.2	45.2#

Manual Integrations
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#42

1-Chlorobutane

Concen: 1.037 ug/l

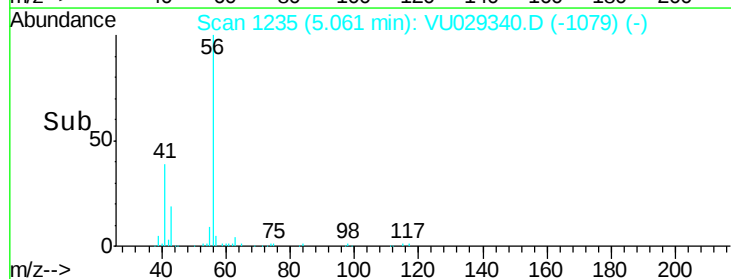
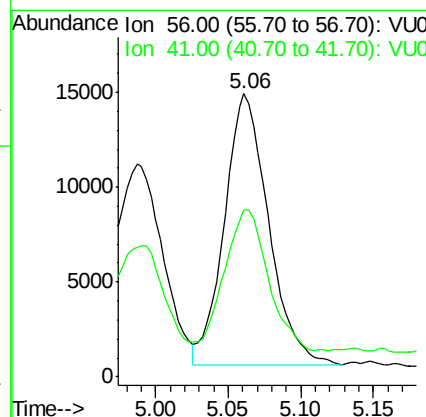
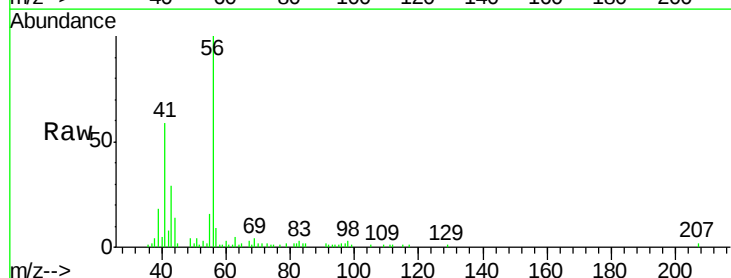
RT: 5.06 min Scan# 1235

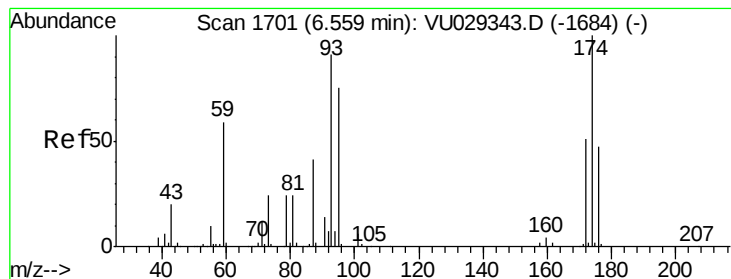
Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Tgt Ion:	56	Resp:	30179
Ion	Ratio	Lower	Upper
56	100		
41	52.2	31.3	93.8





#43

Dibromomethane

Concen: 0.985 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

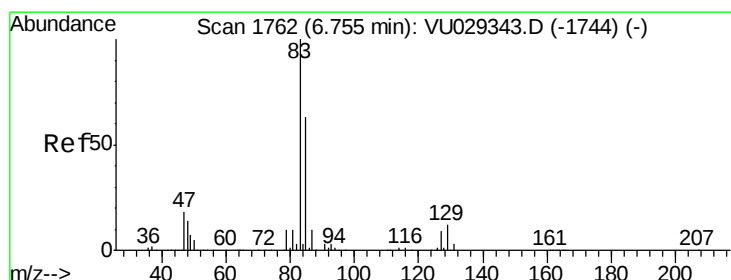
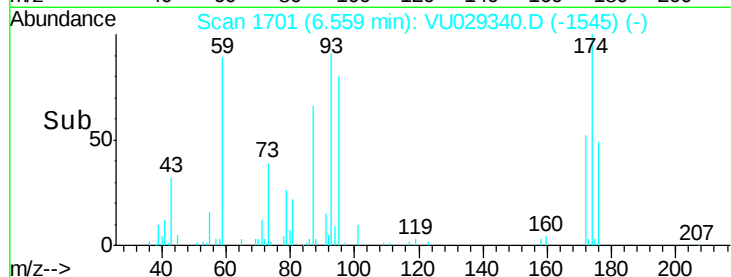
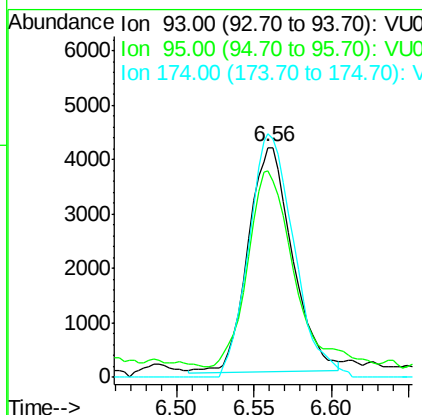
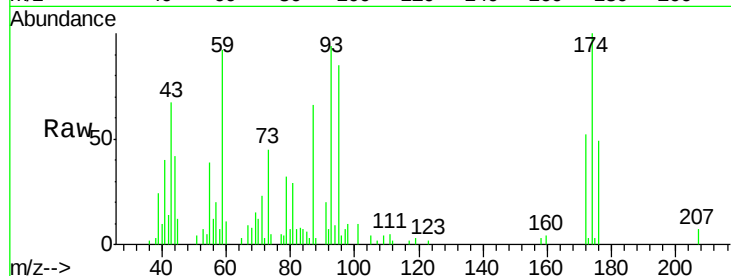
ClientSampleId :

VSTDIC001

Tot Ion:	93	Resp:	8203
Ion	Ratio	Lower	Upper
93	100		
95	90.0	68.2	102.2
174	110.8	77.6	116.4

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#44

Bromodichloromethane

Concen: 1.042 ug/l

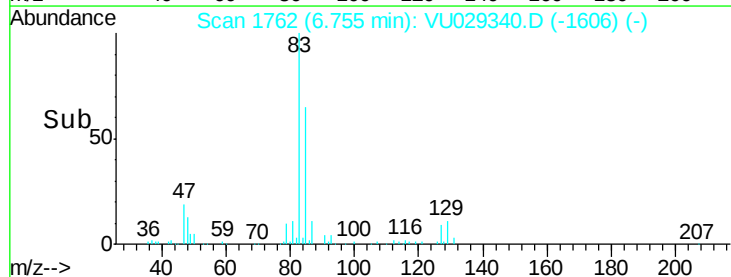
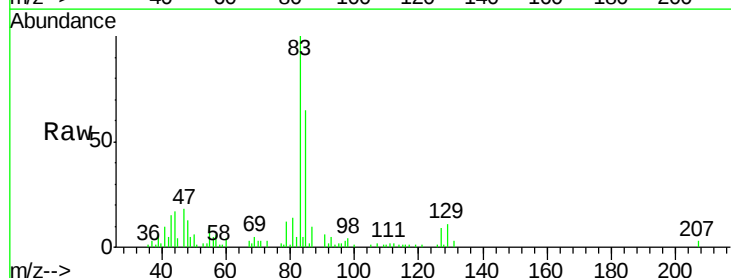
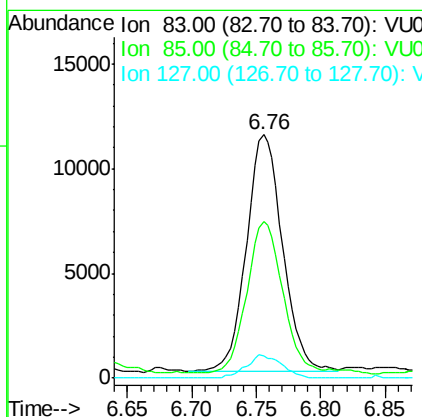
RT: 6.76 min Scan# 1762

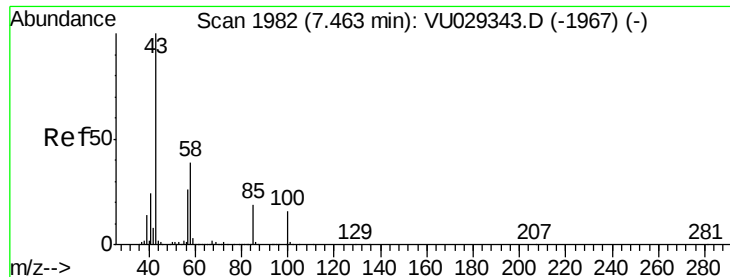
Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Tgt Ion:	83	Resp:	22113
Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.2	73.8
127	9.2	7.0	10.6





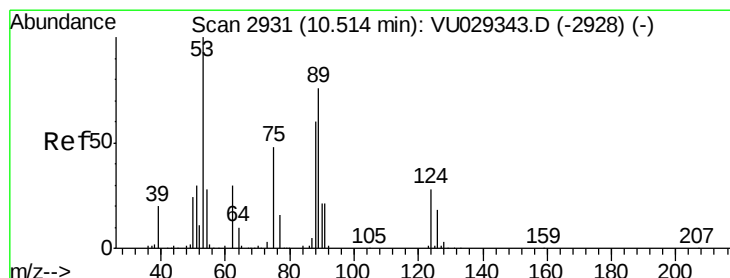
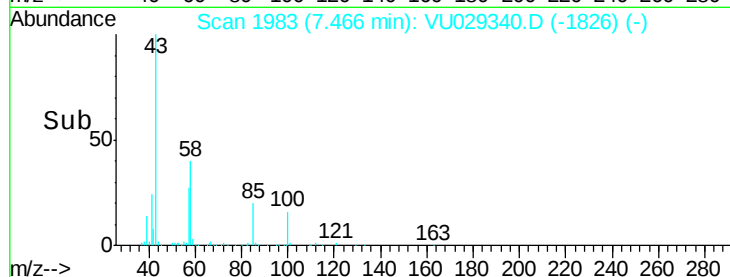
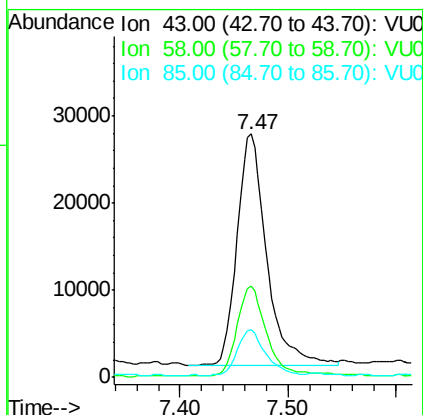
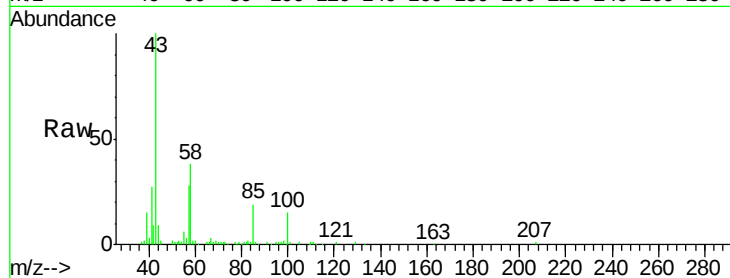
#45
4-Methyl-2-Pentanone
Concen: 5.225 ug/l
RT: 7.47 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.2	17.6	52.8
85	19.0	12.3	18.5

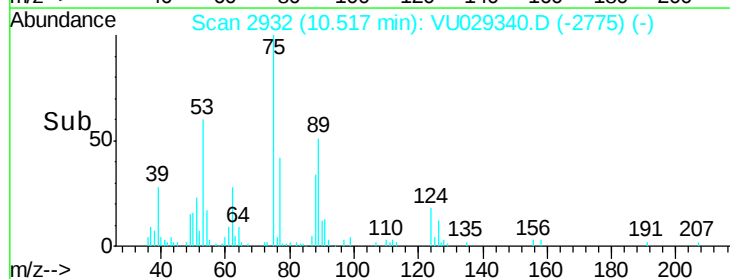
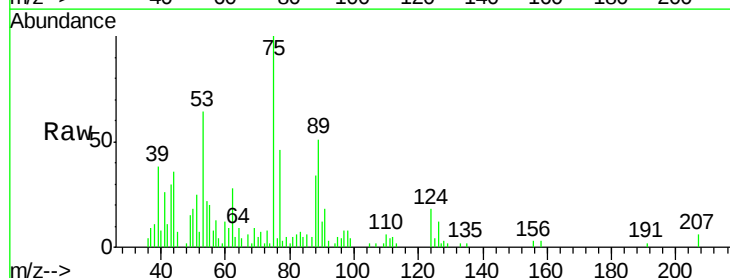
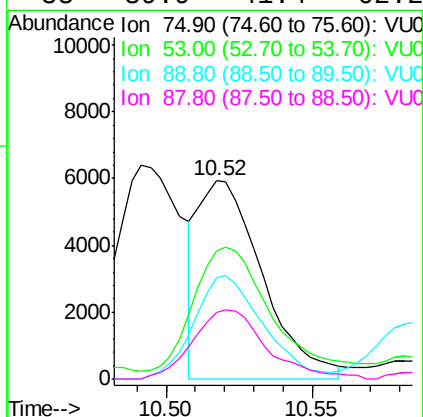
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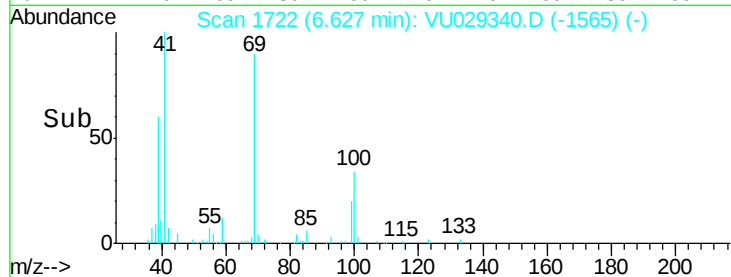
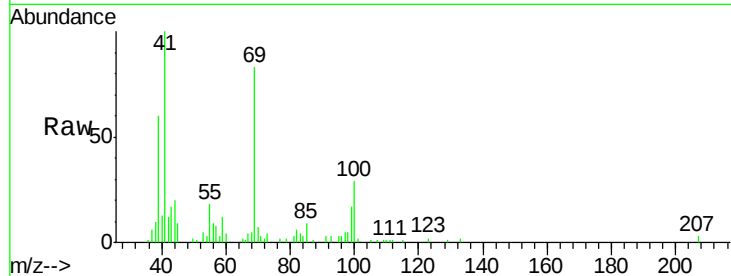
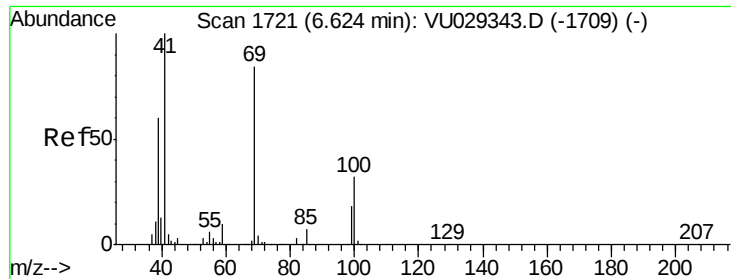
sam
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#46
t-1,4-Dichloro-2-butene
Concen: 1.923 ug/l m
RT: 10.52 min Scan# 2932
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

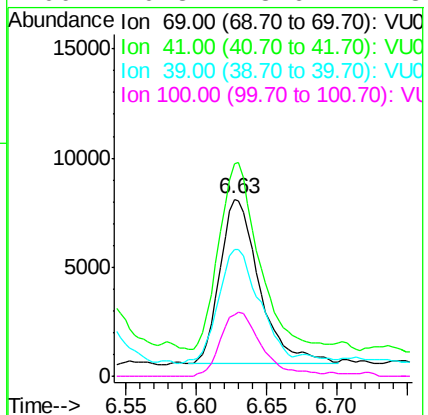
Tgt Ion	Ratio	Lower	Upper
75	100		
53	73.1	78.2	117.4
89	56.3	44.2	66.4
88	39.9	41.4	62.2





#47
Methyl methacrylate
Concen: 2.017 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

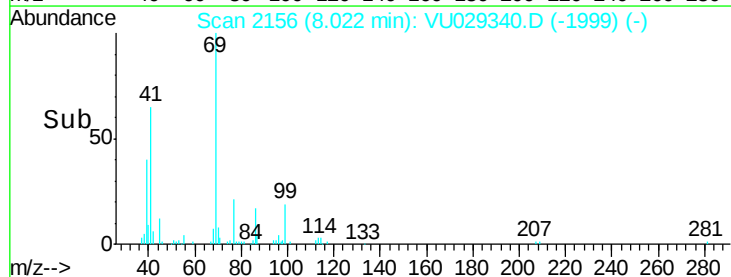
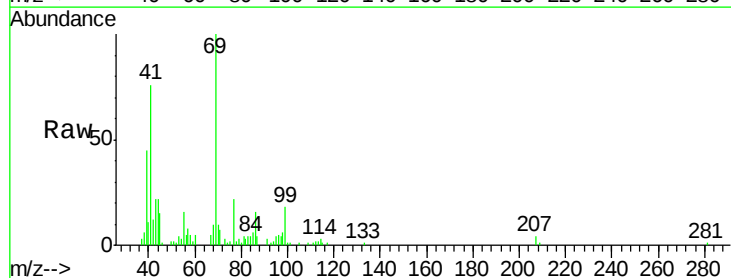
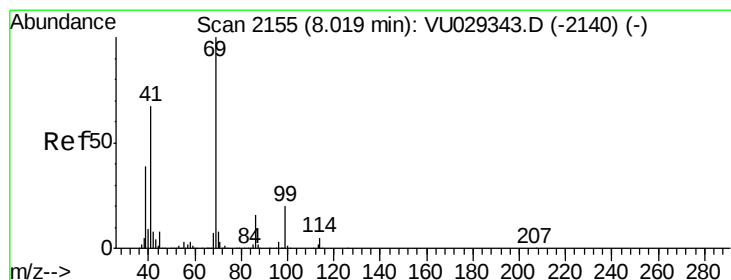
Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	115.0	0.0	296.2		
39	73.0	71.2	106.8		
100	40.3	28.6	42.8		



Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

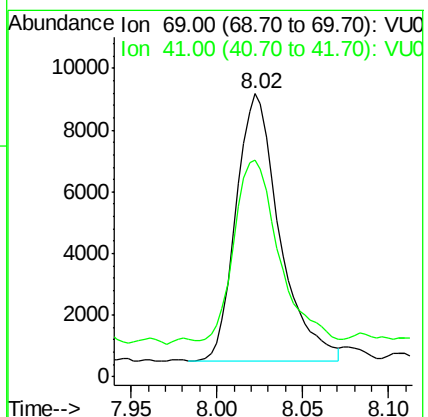
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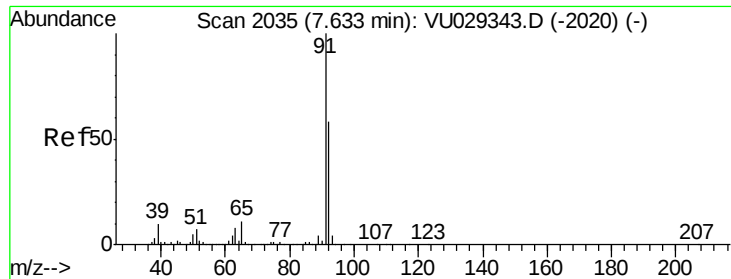
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#48
Ethyl methacrylate
Concen: 0.976 ug/l
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	68.9	39.9	119.7		





#49

Toluene

Concen: 1.008 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 38753

Ion Ratio Lower Upper

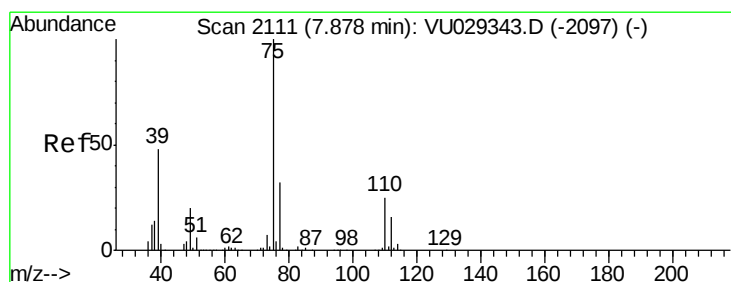
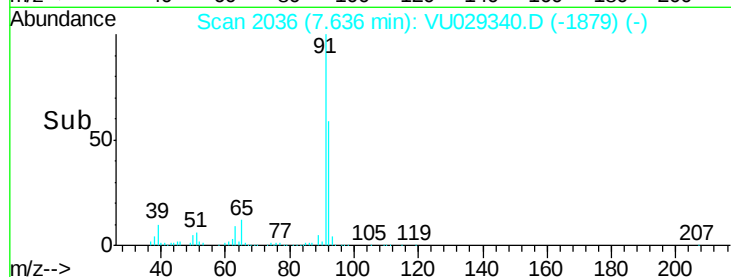
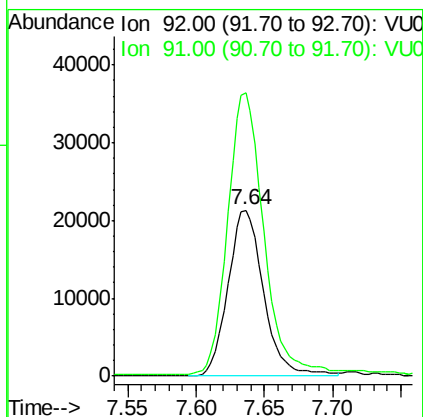
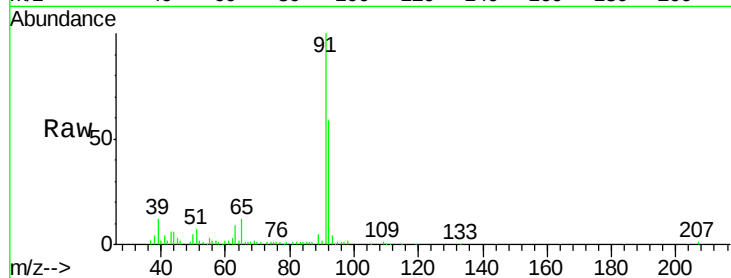
92 100

91 174.8 140.7 211.1

Manual Integrations
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#50

t-1,3-Dichloropropene

Concen: 1.033 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029340.D

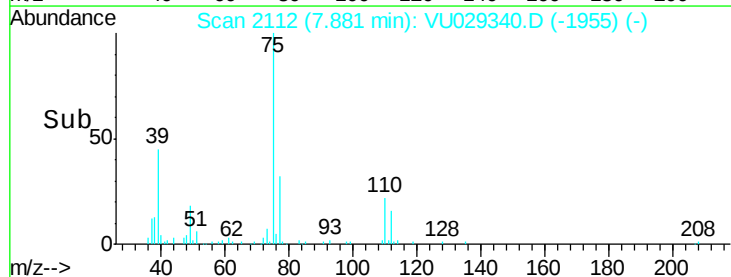
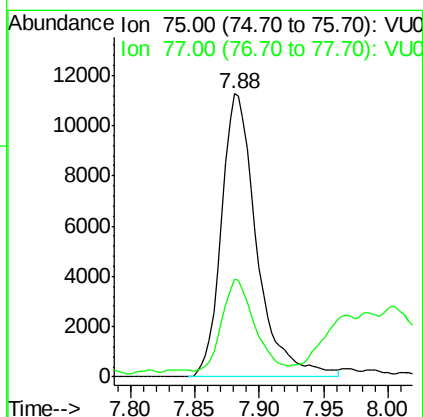
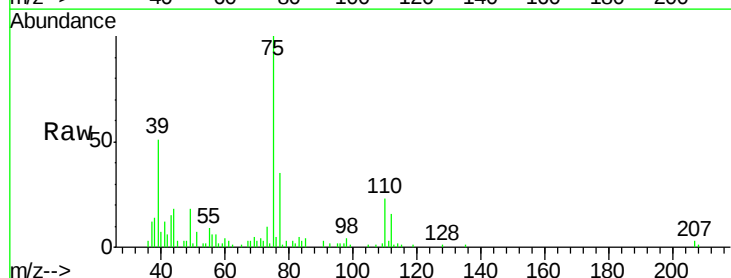
Acq: 05 Feb 2019 11:12

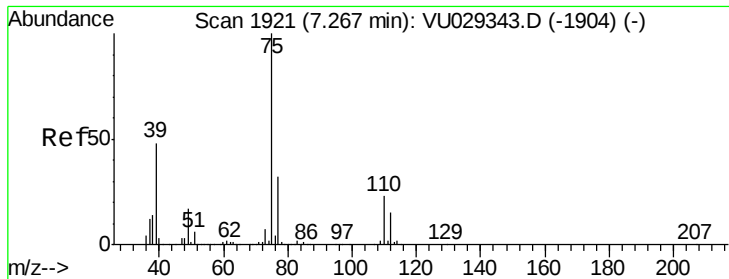
Tgt Ion: 75 Resp: 21487

Ion Ratio Lower Upper

75 100

77 32.3 23.6 35.4





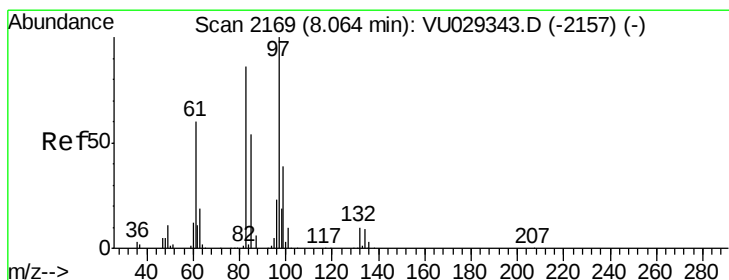
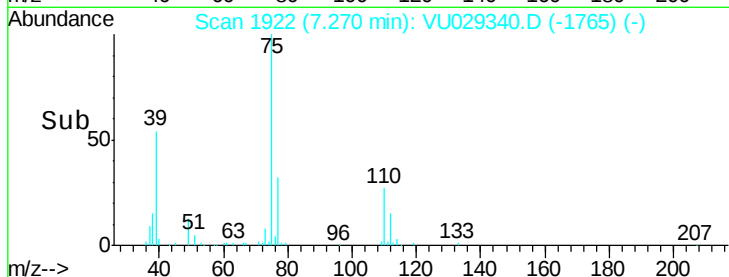
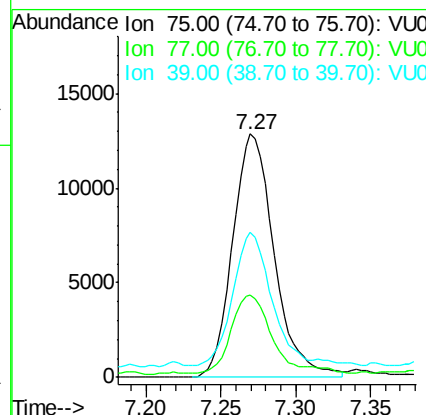
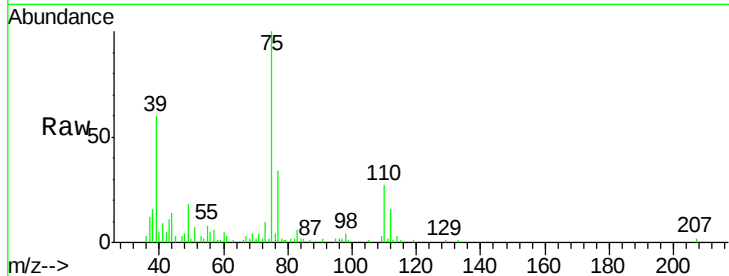
#51
 cis-1,3-Dichloropropene
 Concen: 1.008 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU029340.D
 Acq: 05 Feb 2019 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.9	37.3
39	55.1	47.2	70.8

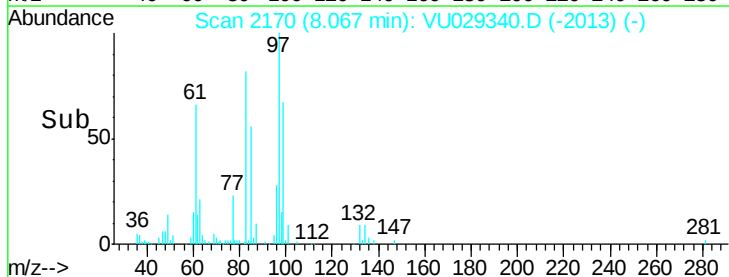
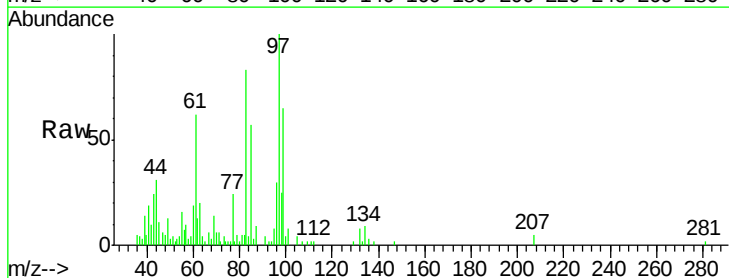
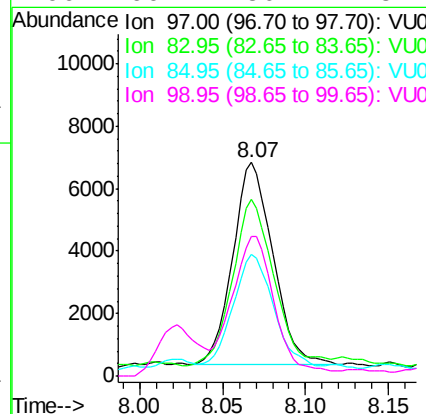
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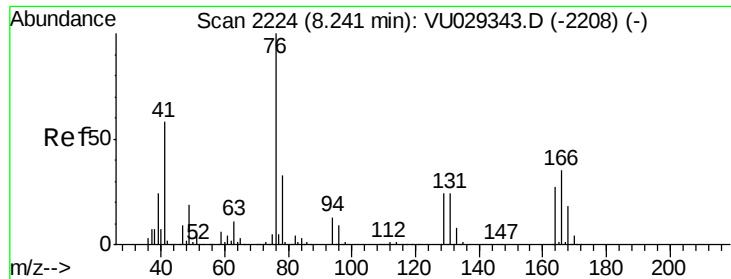
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#52
 1,1,2-Trichloroethane
 Concen: 0.996 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU029340.D
 Acq: 05 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.3	69.9	104.9
85	55.2	45.8	68.6
99	66.1	50.2	75.2





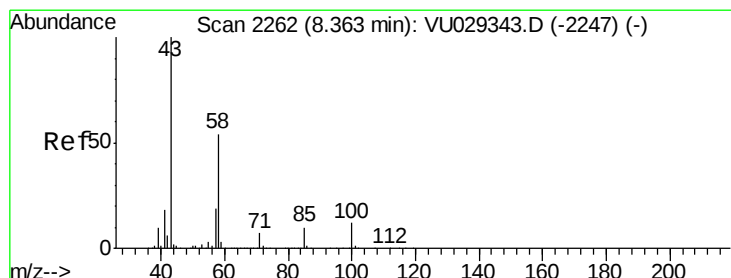
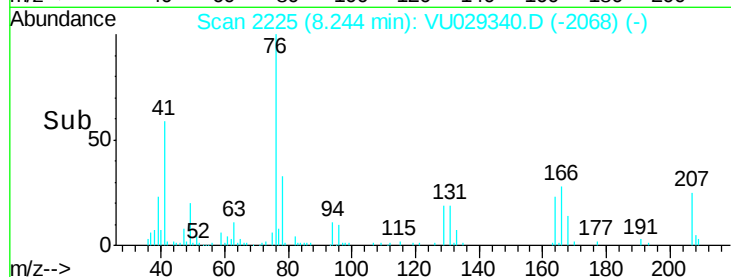
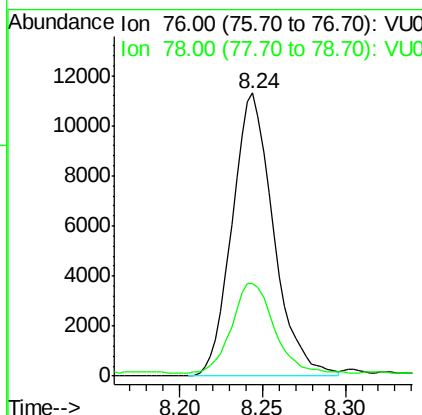
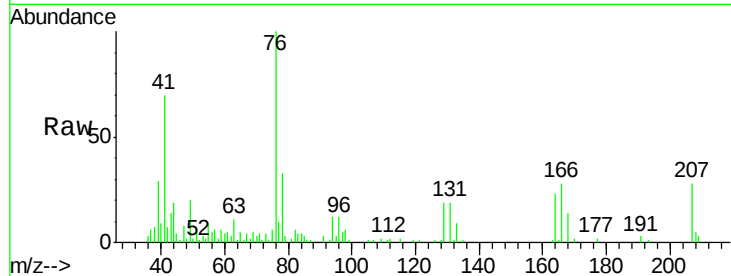
#53
 1,3-Dichloropropane
 Concen: 1.013 ug/l
 RT: 8.24 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: VU029340.D
 Acq: 05 Feb 2019 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 76 Resp: 19616
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.3 39.5

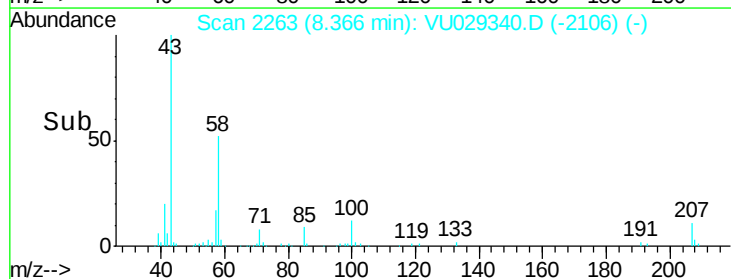
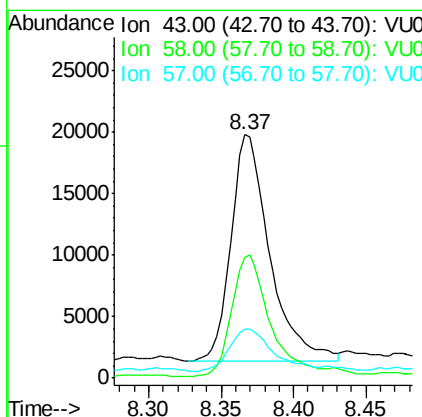
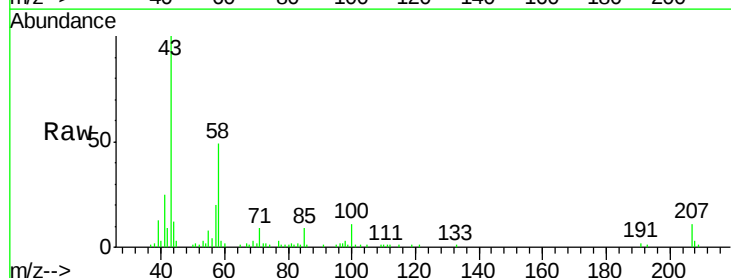
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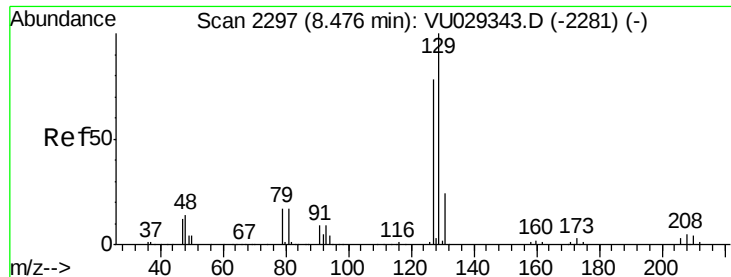
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#54
 2-Hexanone
 Concen: 5.032 ug/l
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.00 min
 Lab File: VU029340.D
 Acq: 05 Feb 2019 11:12

Tgt Ion: 43 Resp: 34433
 Ion Ratio Lower Upper
 43 100
 58 51.7 26.0 66.0
 57 21.2 0.0 37.7





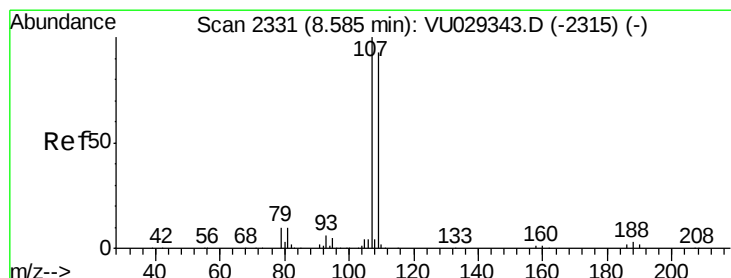
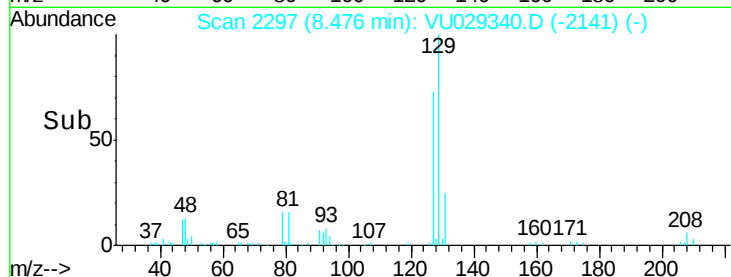
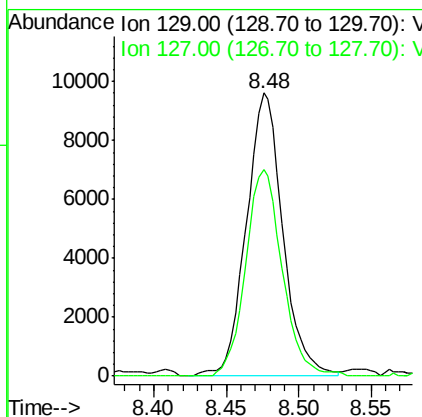
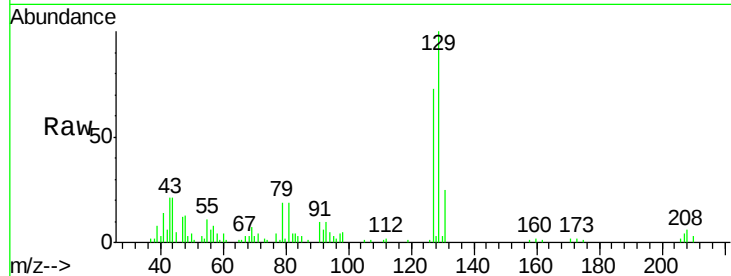
#55
 Dibromochloromethane
 Concen: 1.078 ug/l
 RT: 8.48 min Scan# 2297
 Delta R.T. 0.00 min
 Lab File: VU029340.D
 Acq: 05 Feb 2019 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
129	100		
127	72.5	60.5	90.7

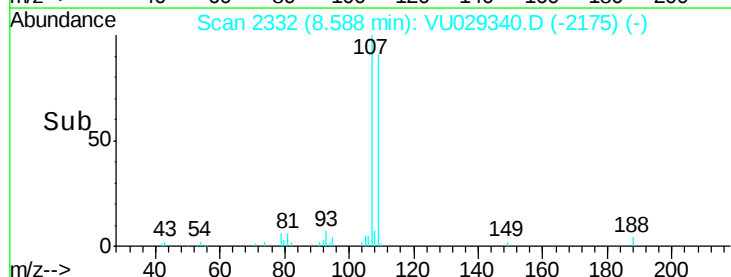
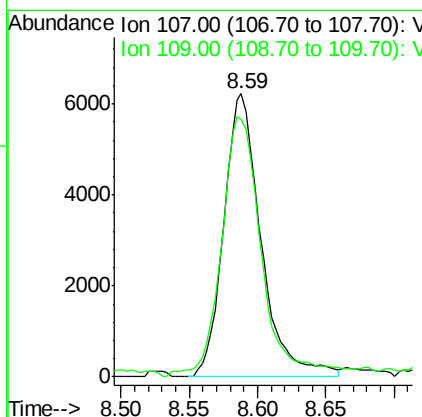
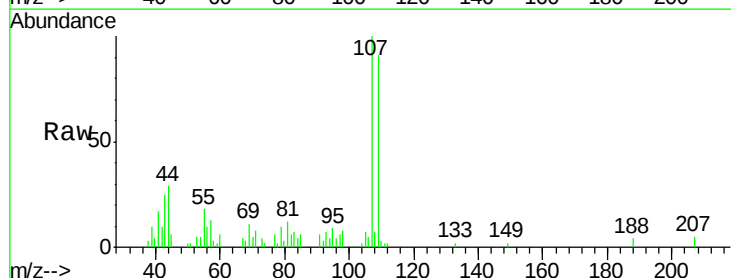
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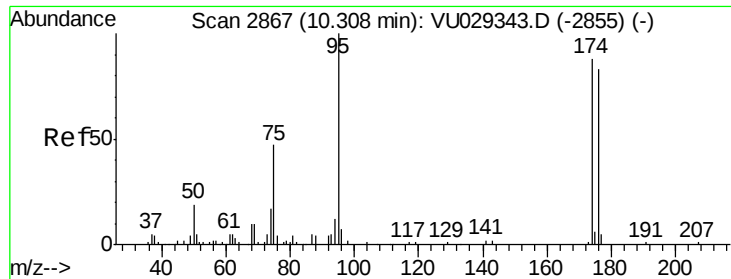
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#56
 1,2-Dibromoethane
 Concen: 1.045 ug/l
 RT: 8.59 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VU029340.D
 Acq: 05 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
107	100		
109	98.9	0.0	189.6





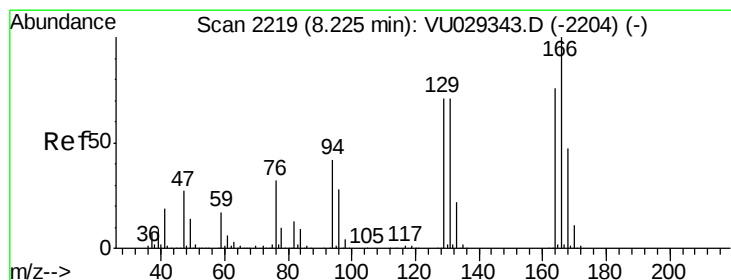
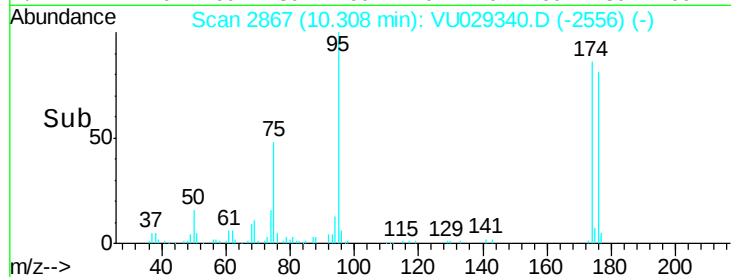
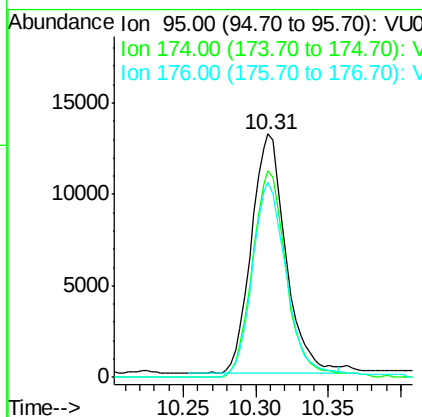
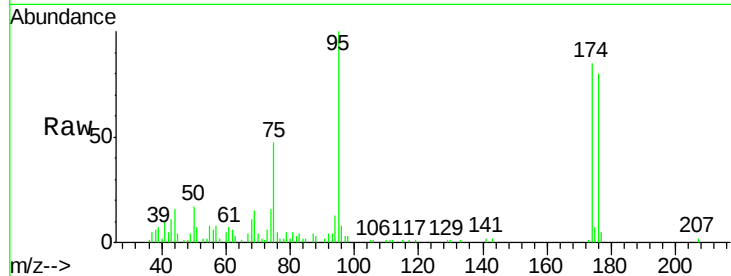
#57
4-Bromofluorobenzene
Concen: 1.045 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
95	100		
174	85.6	64.2	96.2
176	81.7	62.3	93.5

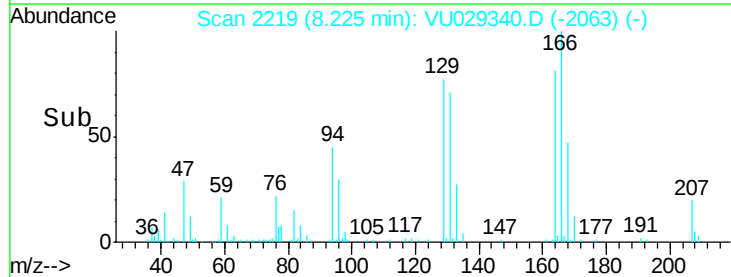
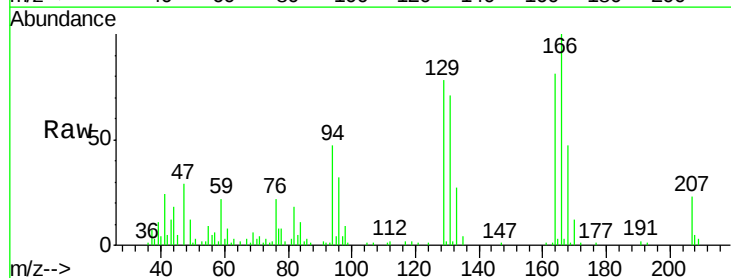
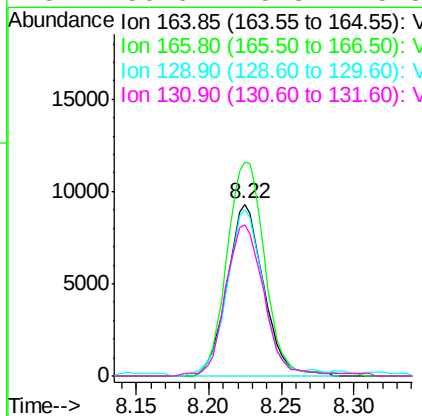
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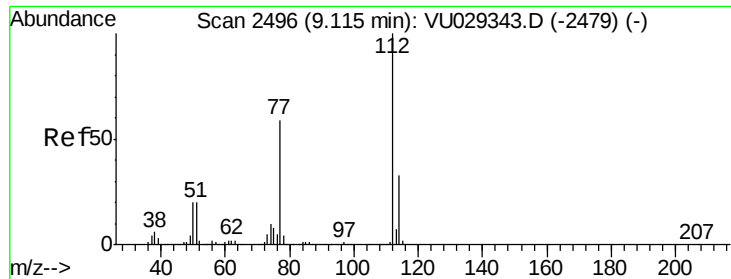
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#58
Tetrachloroethene
Concen: 1.018 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	106.6	159.8
129	95.6	79.9	119.9
131	86.6	75.8	113.8





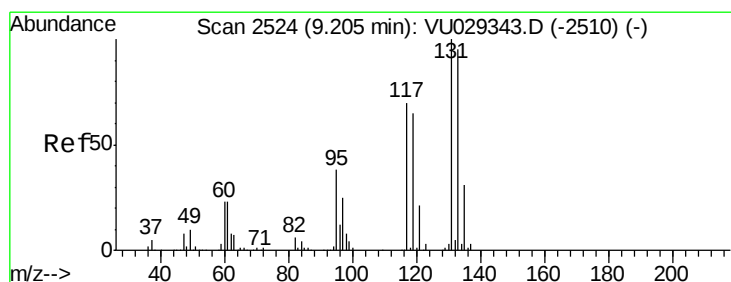
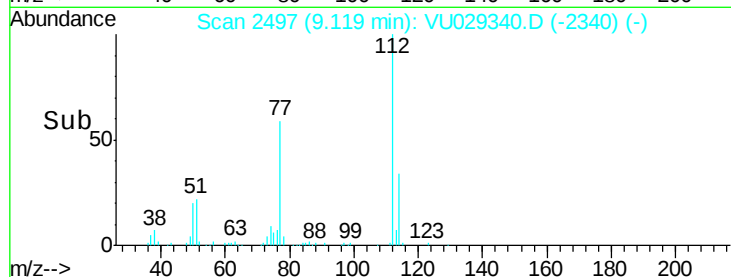
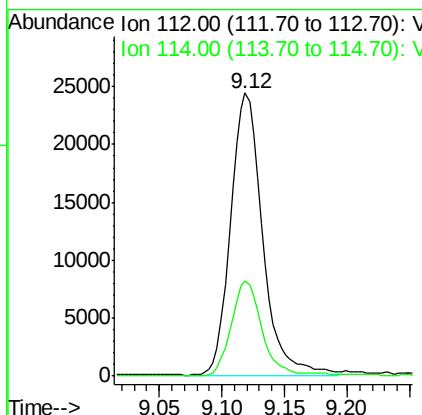
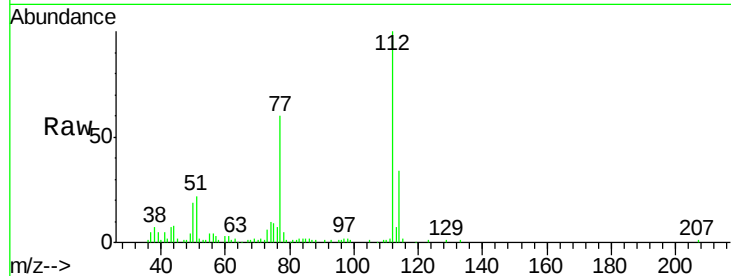
#59
Chlorobenzene
Concen: 1.009 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:112 Resp: 43688
Ion Ratio Lower Upper
112 100
114 33.8 26.2 39.4

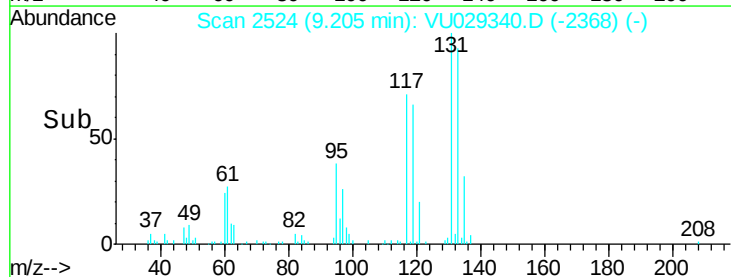
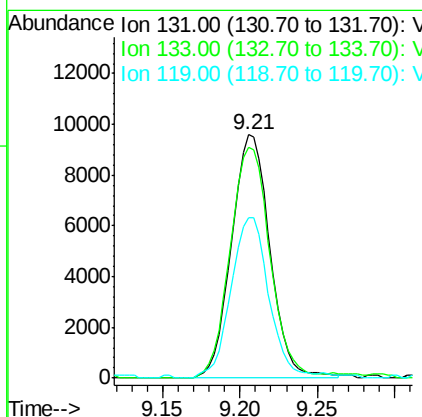
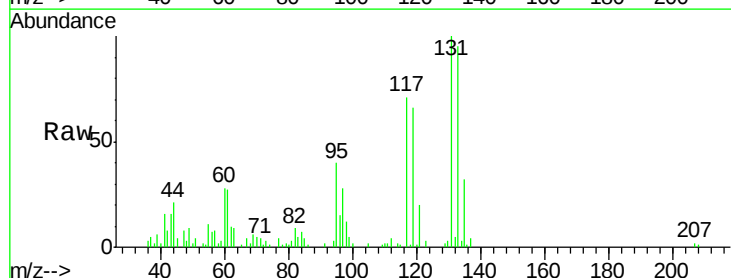
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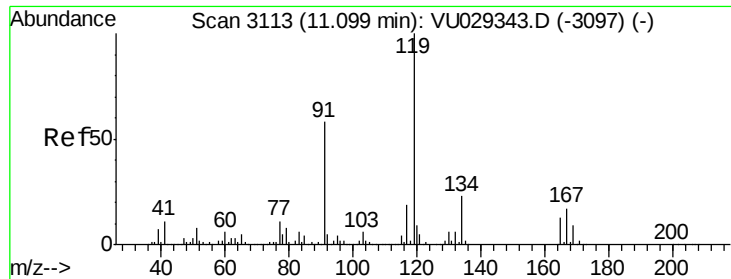
sam
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#60
1,1,1,2-Tetrachloroethane
Concen: 1.035 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Tgt Ion:131 Resp: 16552
Ion Ratio Lower Upper
131 100
133 98.0 77.3 115.9
119 64.6 48.9 73.3





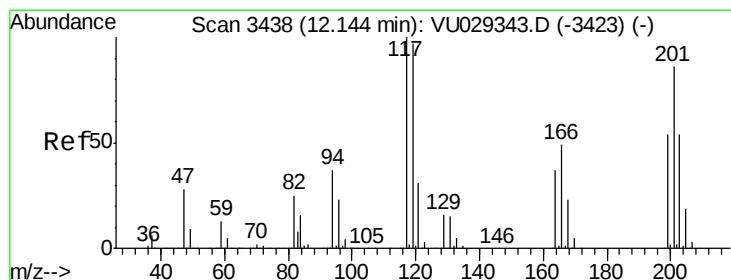
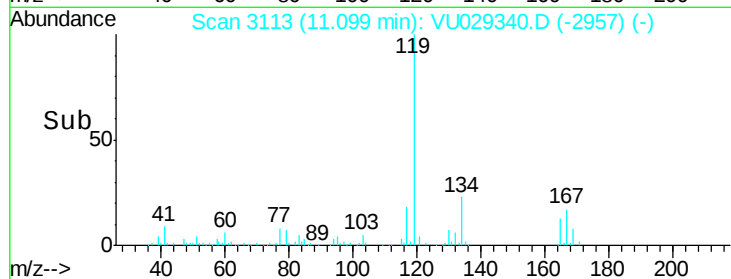
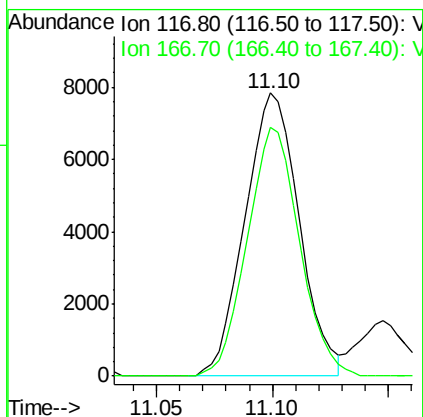
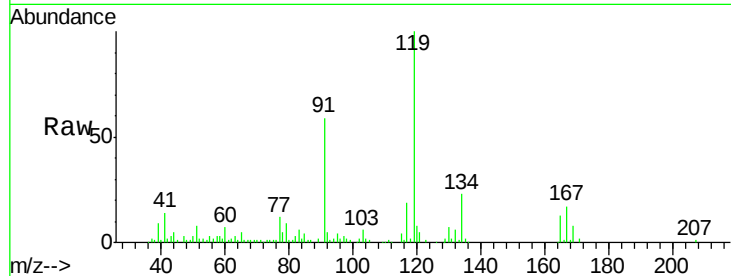
#61
 Pentachloroethane
 Concen: 1.029 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU029340.D
 Acq: 05 Feb 2019 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:117 Resp: 12760
 Ion Ratio Lower Upper
 117 100
 167 84.8 65.9 98.9

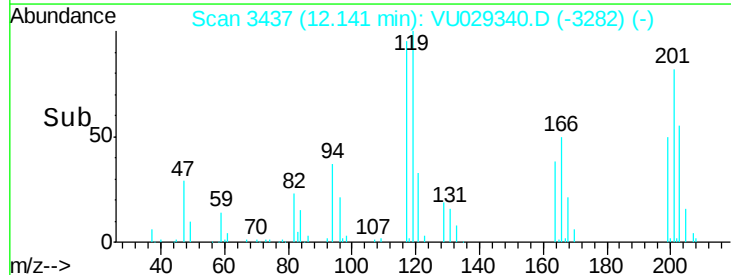
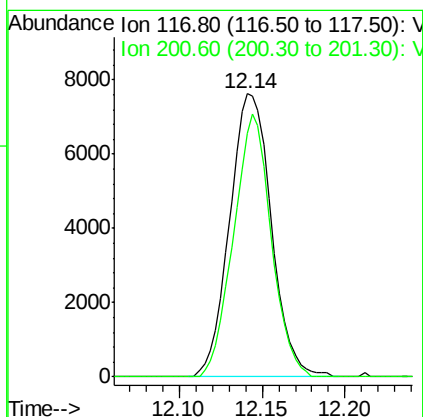
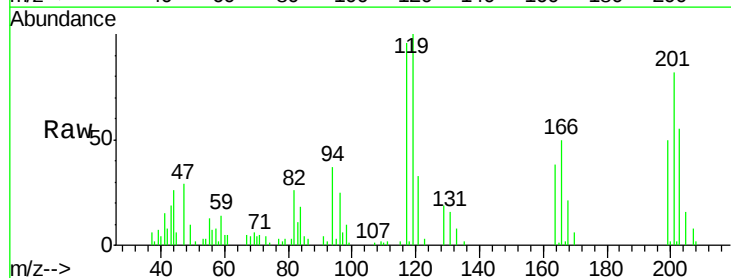
Manual Integrations
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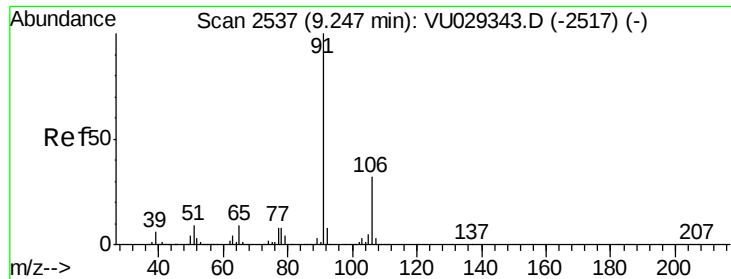
sam
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#62
 Hexachloroethane
 Concen: 0.983 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. -0.00 min
 Lab File: VU029340.D
 Acq: 05 Feb 2019 11:12

Tgt Ion:117 Resp: 13304
 Ion Ratio Lower Upper
 117 100
 201 83.7 68.2 102.2





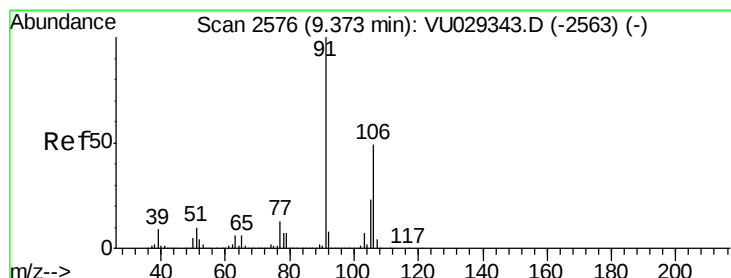
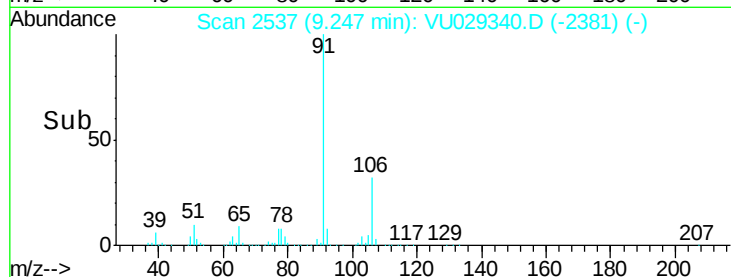
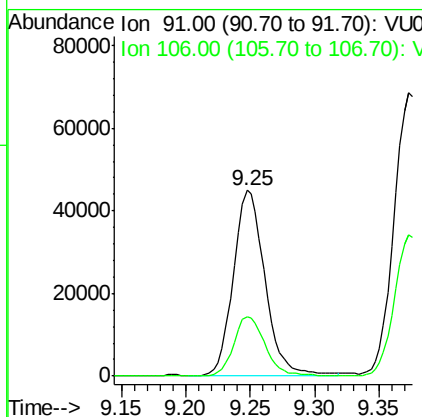
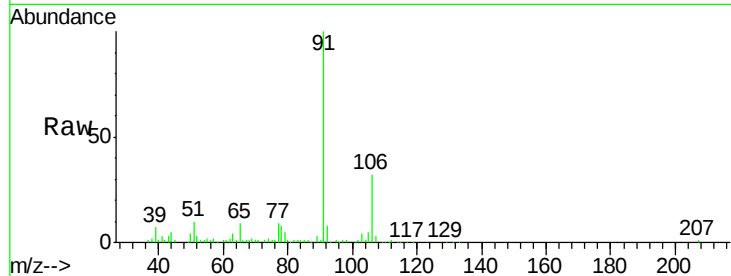
#63
Ethyl Benzene
Concen: 1.007 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 75752
Ion Ratio Lower Upper
91 100
106 32.3 23.8 35.6

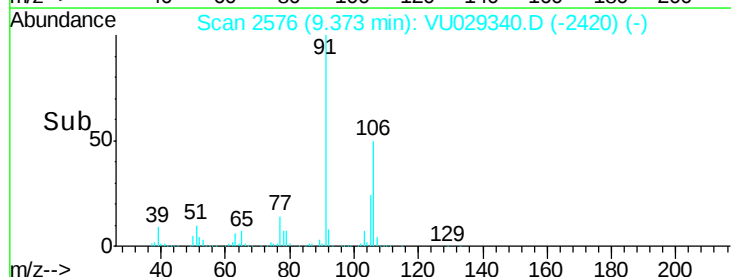
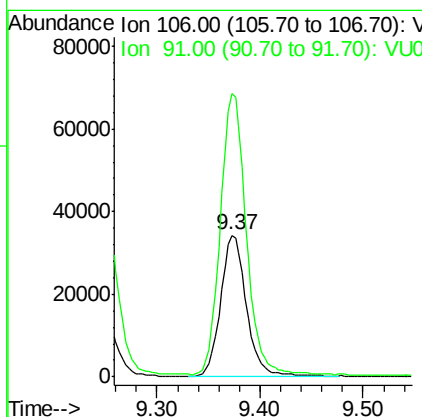
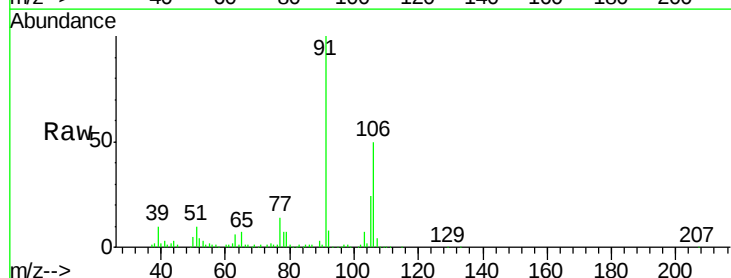
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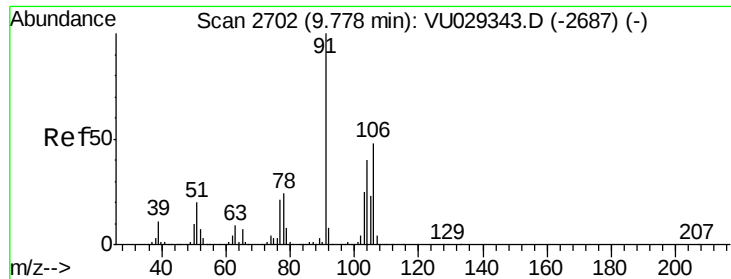
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#64
m/p-Xylenes
Concen: 2.054 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Tgt Ion: 106 Resp: 60018
Ion Ratio Lower Upper
106 100
91 195.3 174.6 261.8





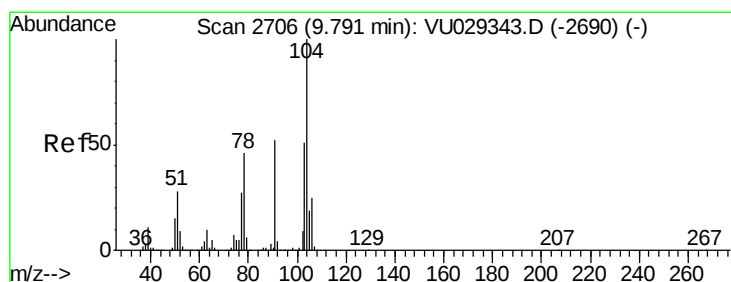
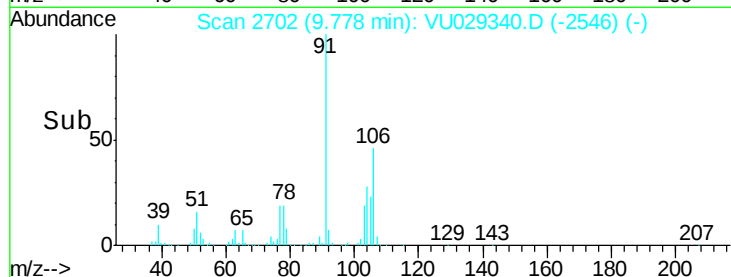
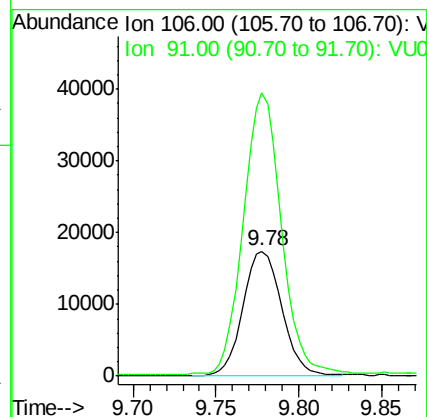
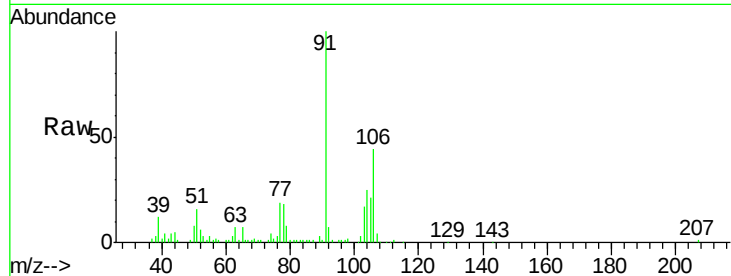
#65
o-Xylene
Concen: 1.000 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.3	114.5	343.4

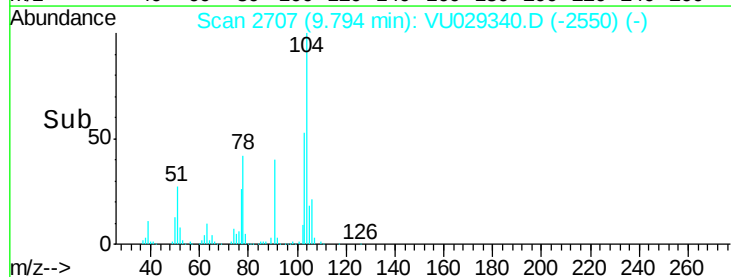
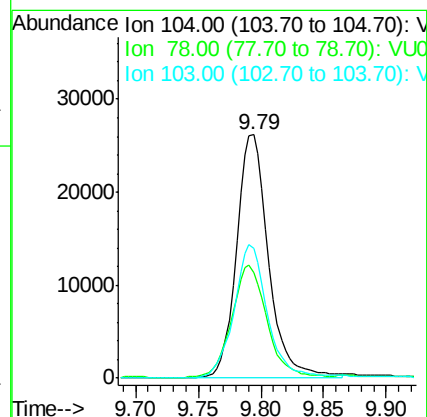
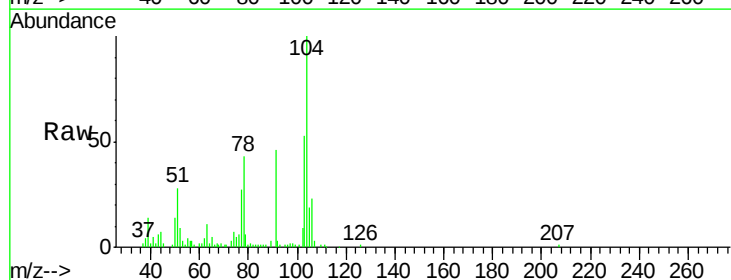
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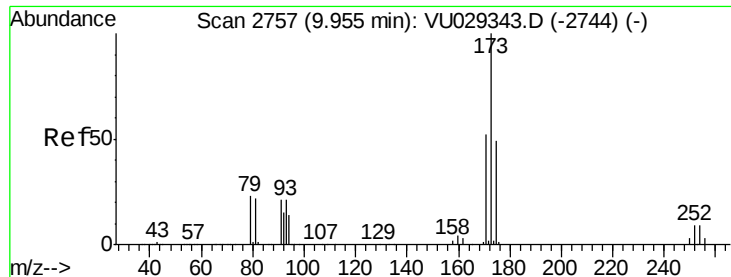
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#66
Styrene
Concen: 0.974 ug/l
RT: 9.79 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.5	46.5	69.7
103	56.9	44.7	67.1





#67

Bromoform

Concen: 1.008 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

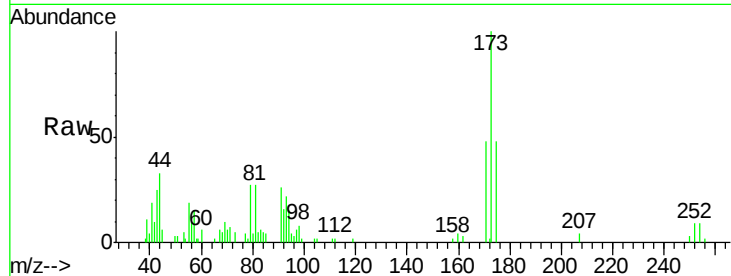
ClientSampleId :

VSTDIC001

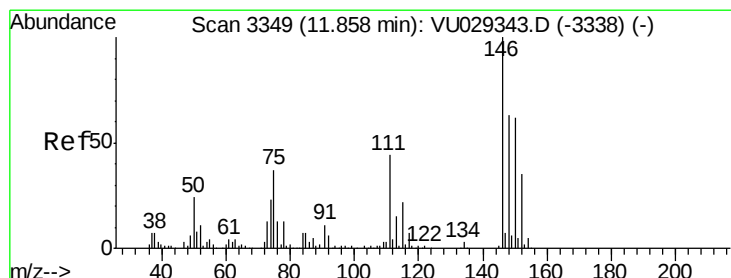
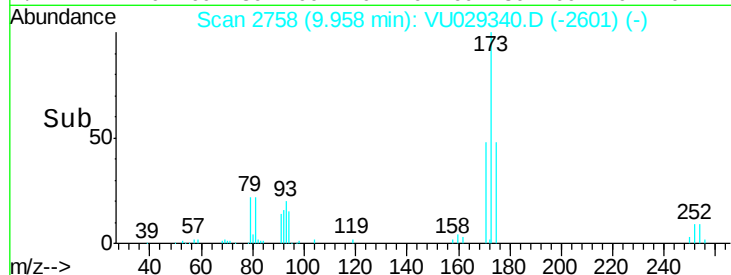
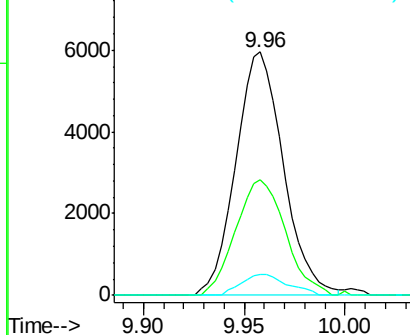
Tot Ion:	173	Resp:	9827
Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.9	58.3
254	8.4	7.4	11.2

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



#68

1,2-Dichlorobenzene-d4

Concen: 1.008 ug/l

RT: 11.86 min Scan# 3350

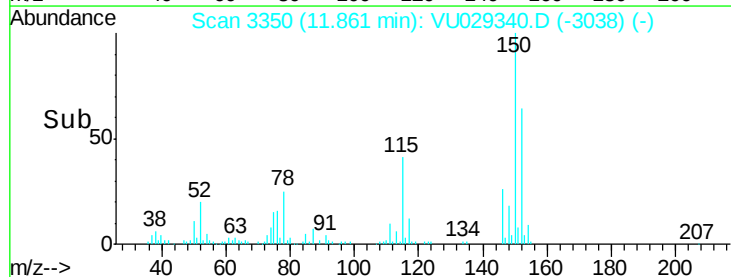
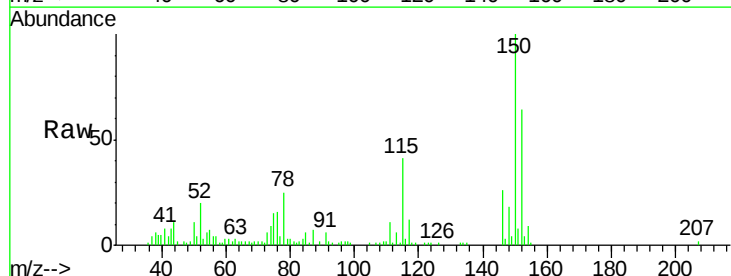
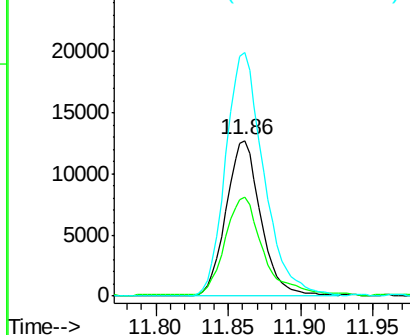
Delta R.T. 0.00 min

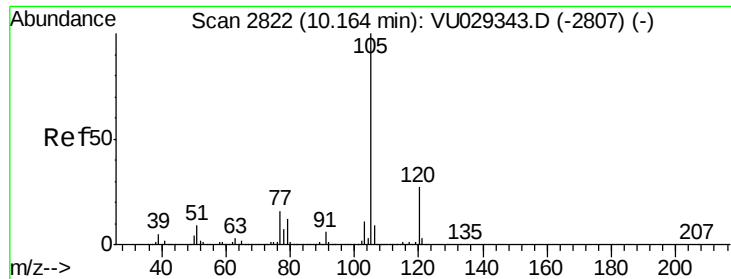
Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Tgt Ion:	152	Resp:	21143
Ion	Ratio	Lower	Upper
152	100		
115	68.3	0.0	133.4
150	171.9	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: 1.019 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 78071

Ion Ratio Lower Upper

105 100

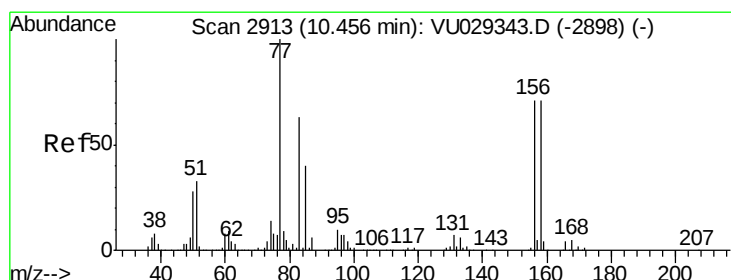
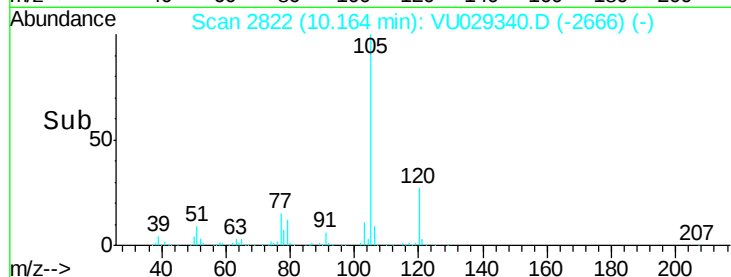
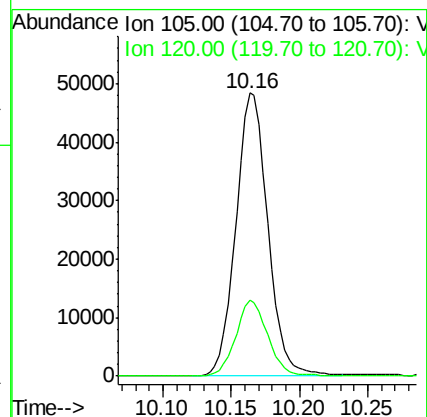
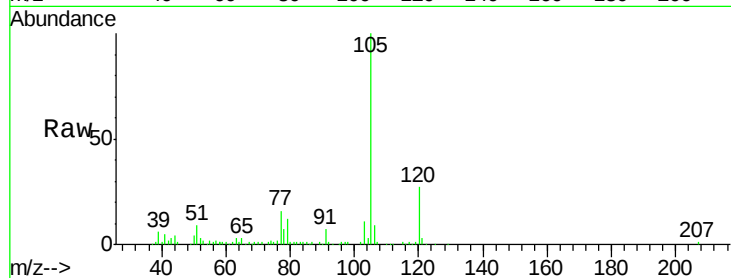
120 27.2 12.6 37.6

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 0.999 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

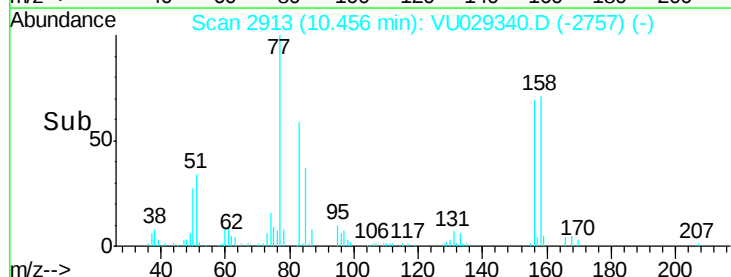
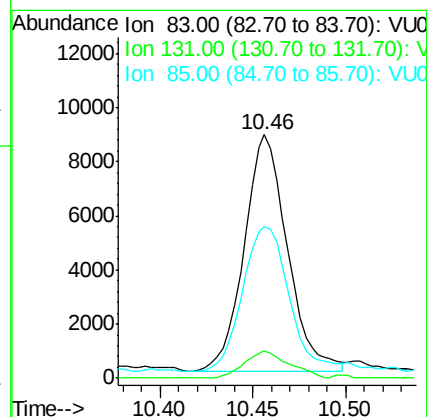
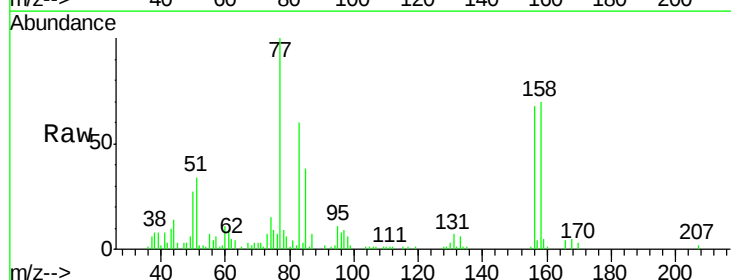
Tgt Ion: 83 Resp: 14114

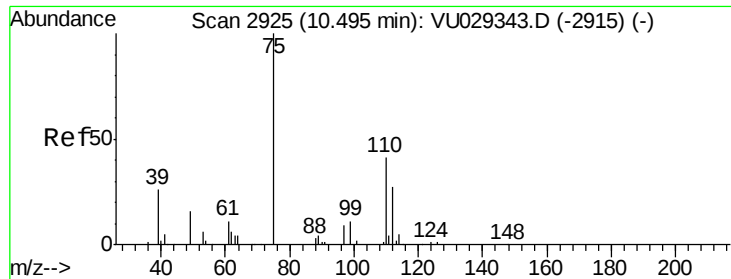
Ion Ratio Lower Upper

83 100

131 11.8 8.1 12.1

85 65.0 50.3 75.5





#71

1,2,3-Trichloropropane

Concen: 0.921 ug/l m

RT: 10.52 min Scan# 2932

Delta R.T. 0.02 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

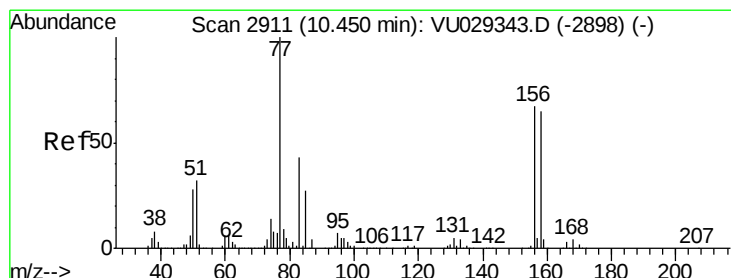
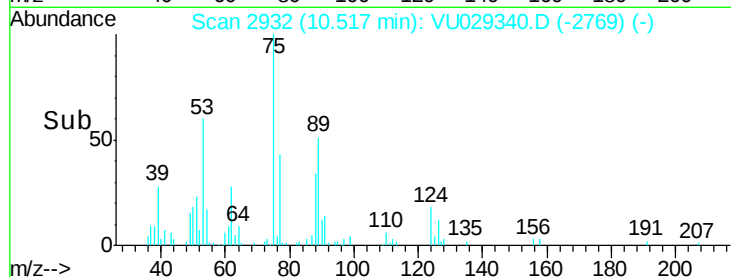
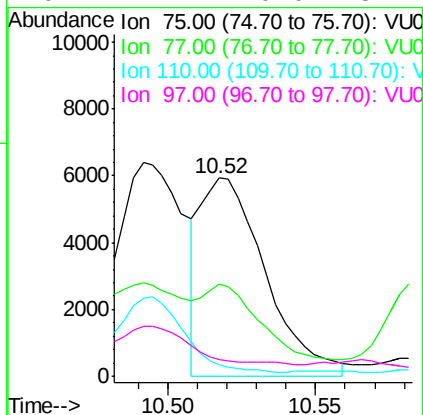
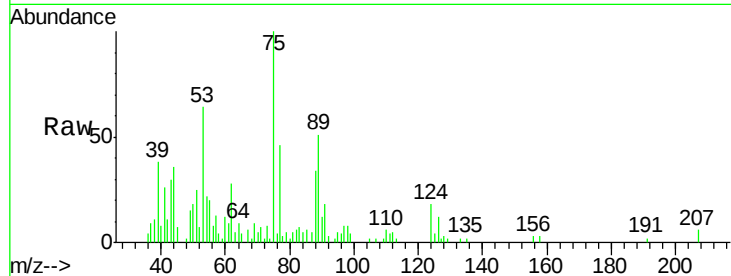
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	9111
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	46.3	0.0	63.6
97	22.4	0.0	31.4

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#72

Bromobenzene

Concen: 0.977 ug/l

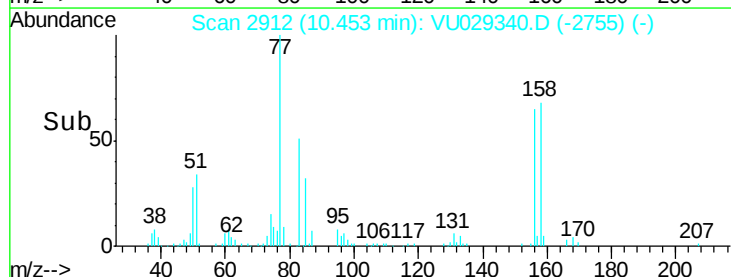
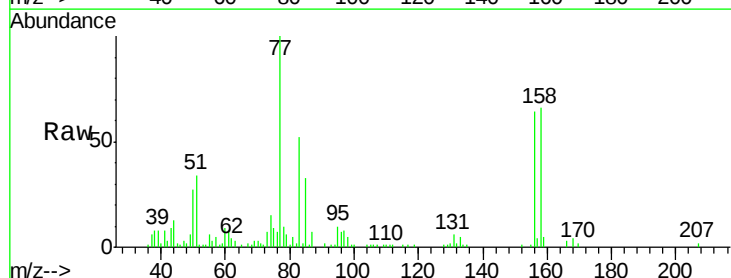
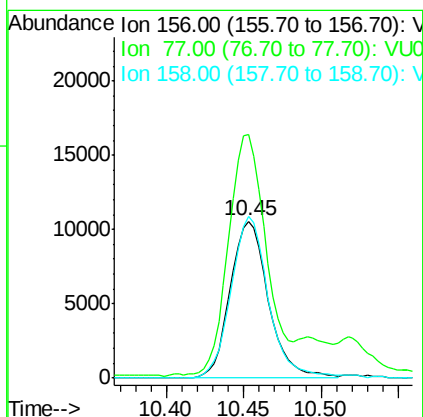
RT: 10.45 min Scan# 2912

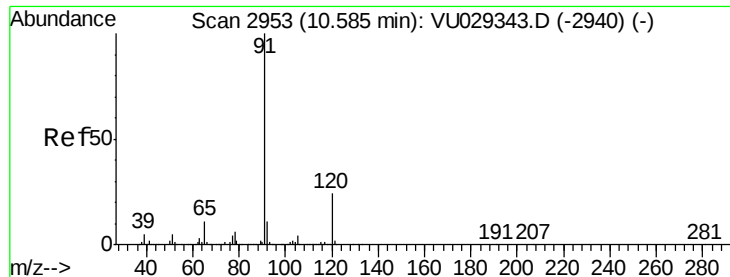
Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Tgt Ion:	156	Resp:	18148
Ion	Ratio	Lower	Upper
156	100		
77	152.6	0.0	343.8
158	101.4	0.0	195.0





#73

n-propylbenzene

Concen: 1.020 ug/l

RT: 10.59 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:120 Resp: 21777

Ion Ratio Lower Upper

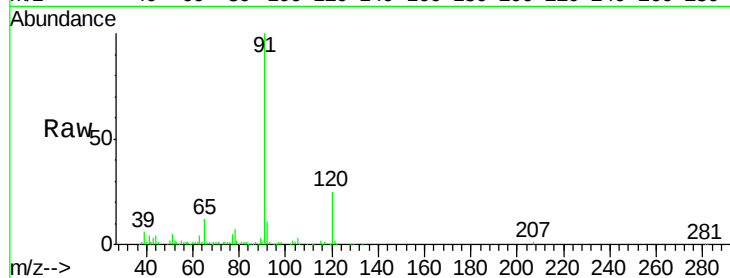
120 100

91 406.5 370.0 555.0

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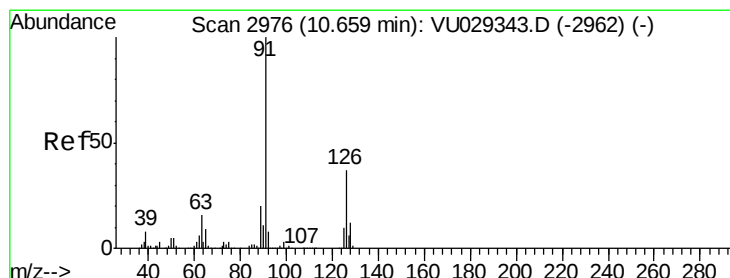
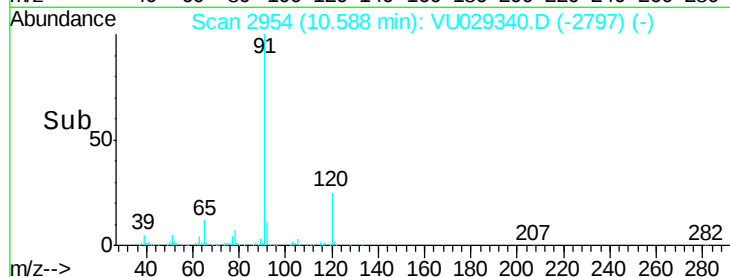
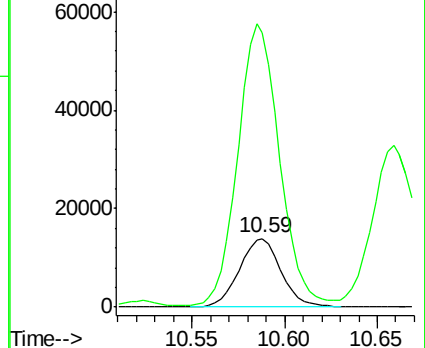
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.020 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029340.D

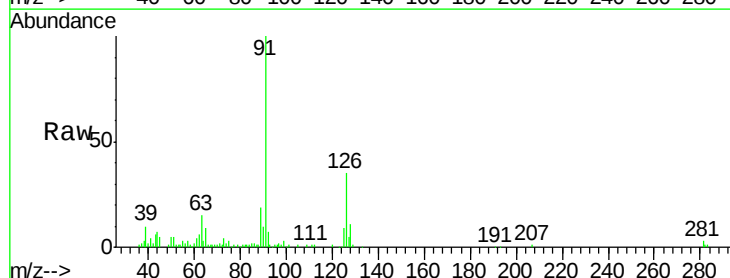
Acq: 05 Feb 2019 11:12

Tgt Ion:126 Resp: 18531

Ion Ratio Lower Upper

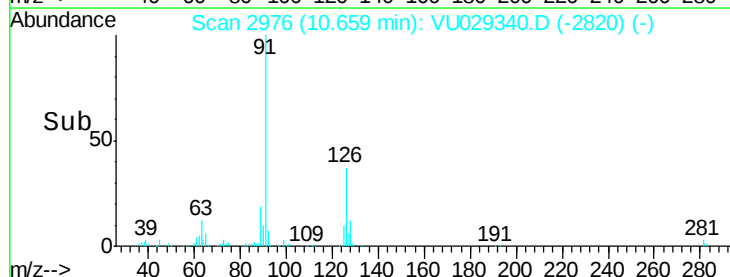
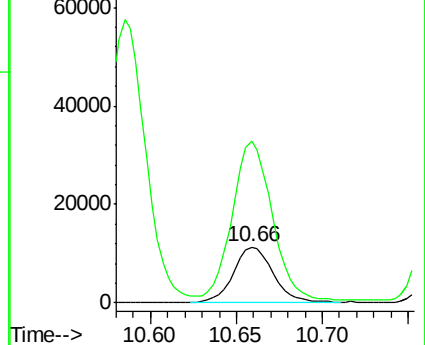
126 100

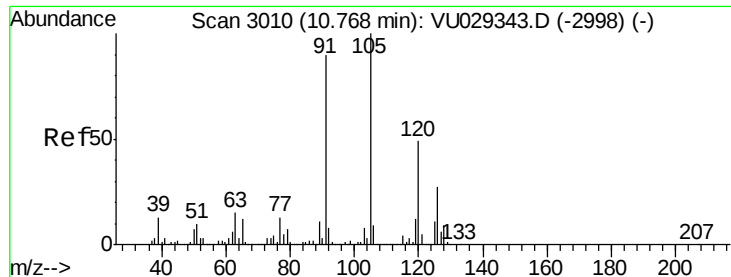
91 279.9 0.0 643.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.006 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 66435

Ion Ratio Lower Upper

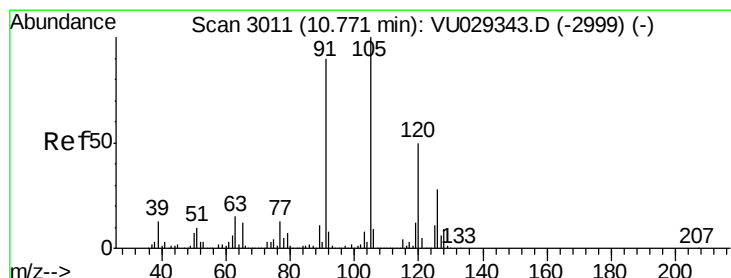
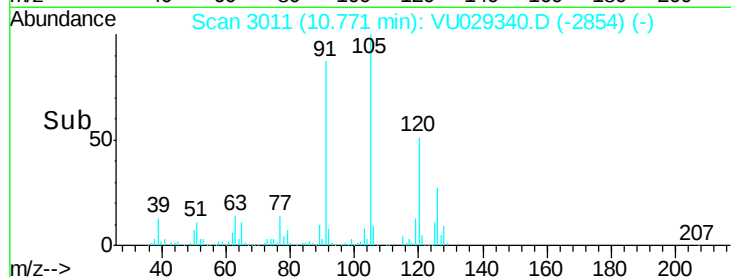
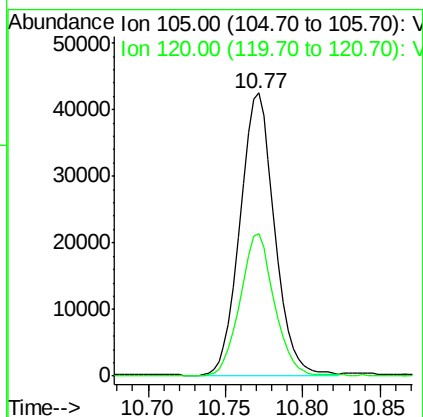
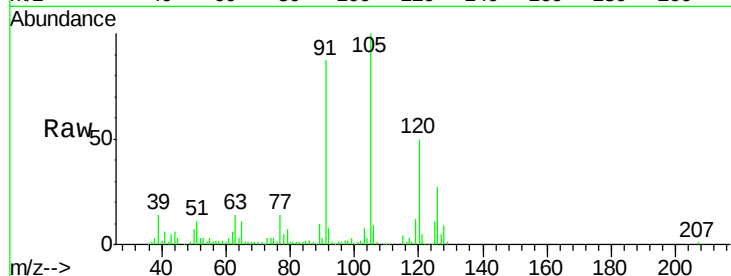
105 100

120 49.6 37.3 55.9

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#76

4-Chlorotoluene

Concen: 1.005 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029340.D

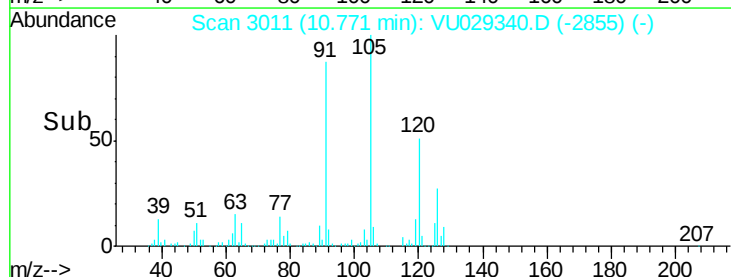
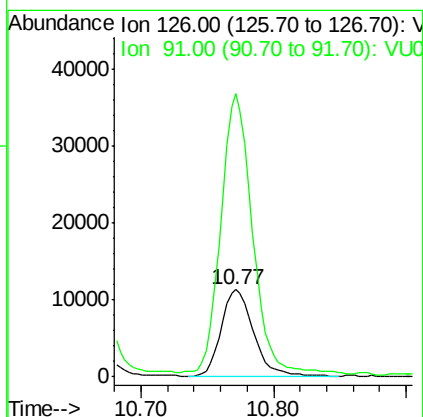
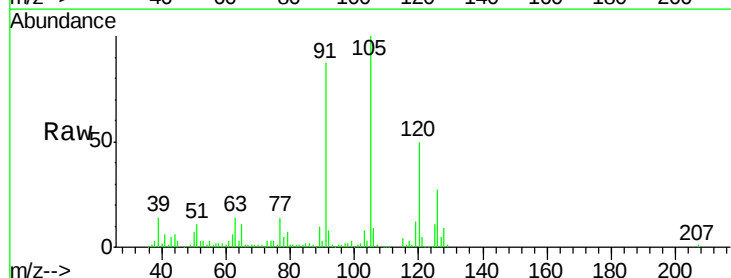
Acq: 05 Feb 2019 11:12

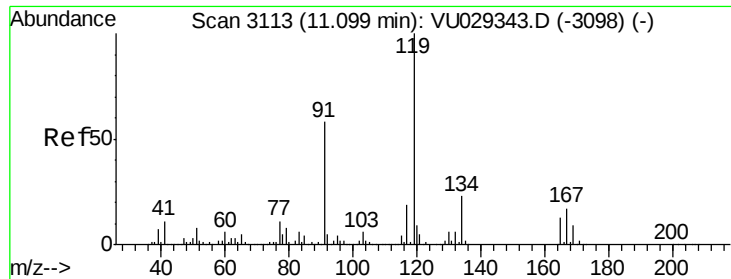
Tgt Ion:126 Resp: 18962

Ion Ratio Lower Upper

126 100

91 317.5 0.0 727.4





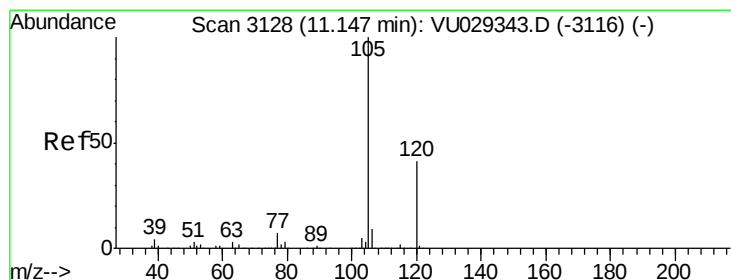
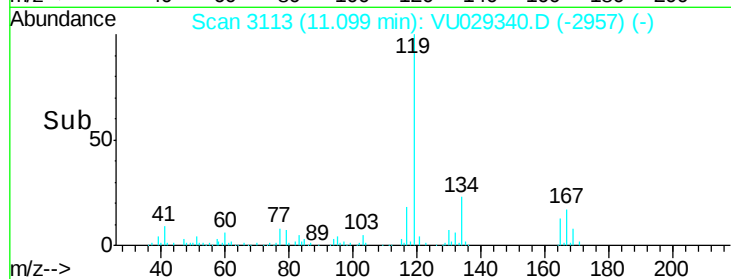
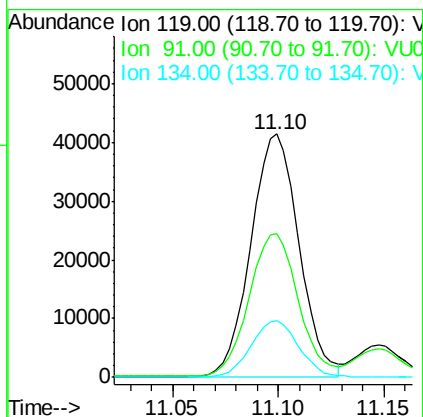
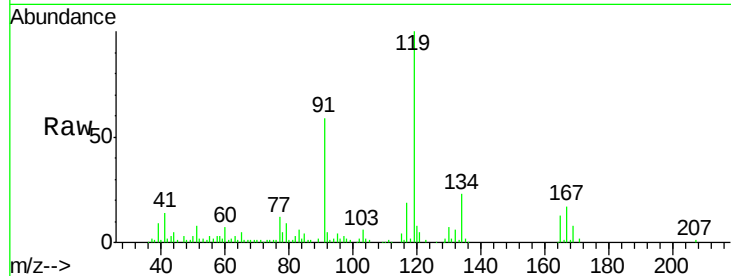
#77
tert-Butylbenzene
Concen: 1.010 ug/l
RT: 11.10 min Scan# 3113
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.9	32.2	96.6
134	23.1	17.6	26.4

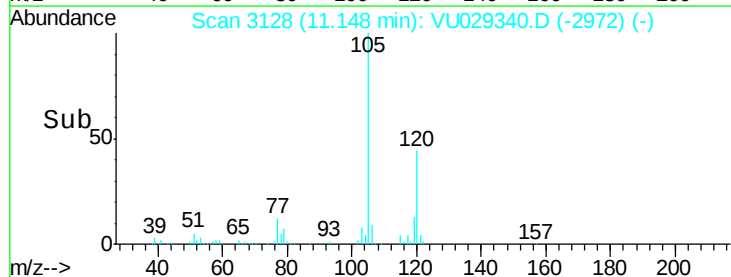
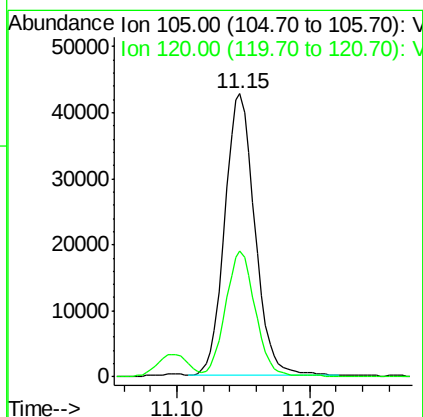
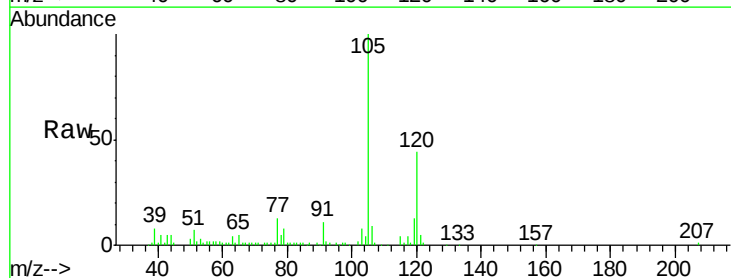
Manual Integrations
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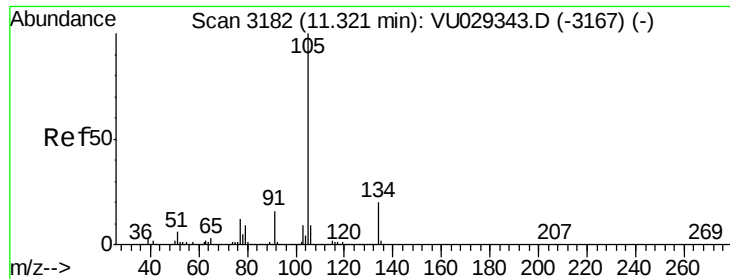
sam
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#78
1,2,4-Trimethylbenzene
Concen: 1.003 ug/l
RT: 11.15 min Scan# 3128
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.4	64.3





#79

sec-Butylbenzene

Concen: 1.011 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 86349

Ion Ratio Lower Upper

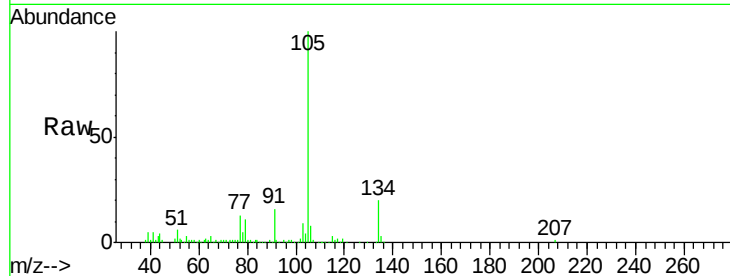
105 100

134 19.5 15.0 22.6

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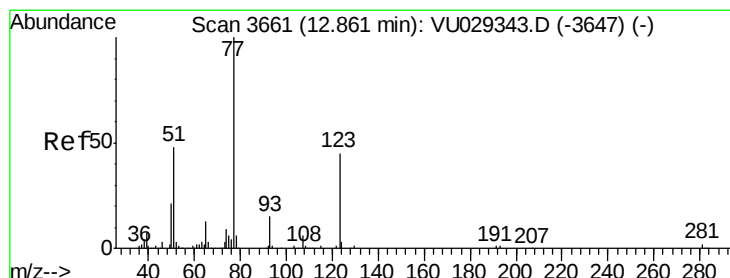
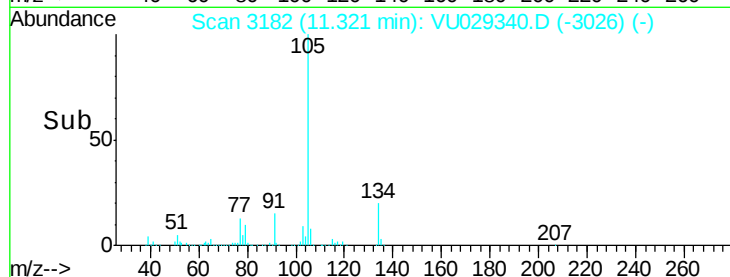
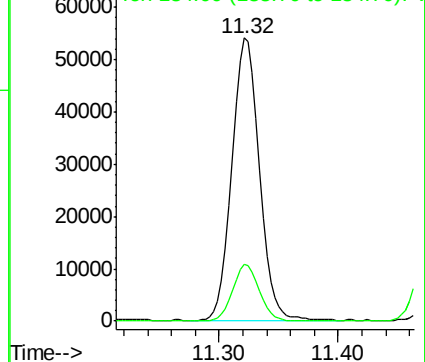
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 3.427 ug/l m

RT: 12.88 min Scan# 3667

Delta R.T. 0.02 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

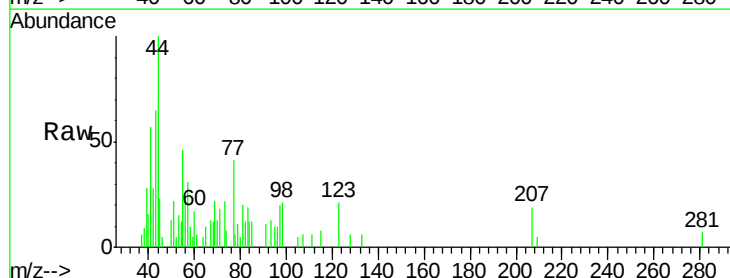
Tgt Ion: 77 Resp: 2138

Ion Ratio Lower Upper

77 100

123 35.5 17.5 61.9

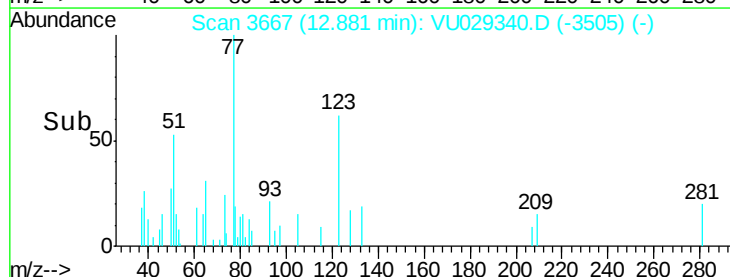
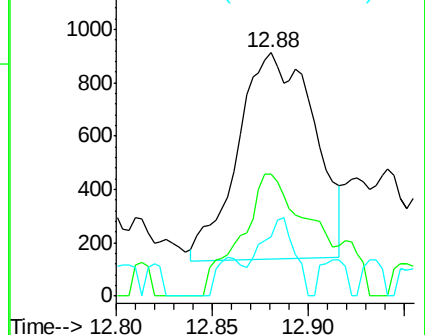
65 11.9 10.8 13.8

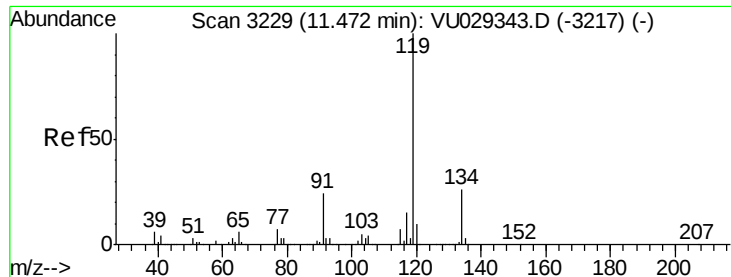


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





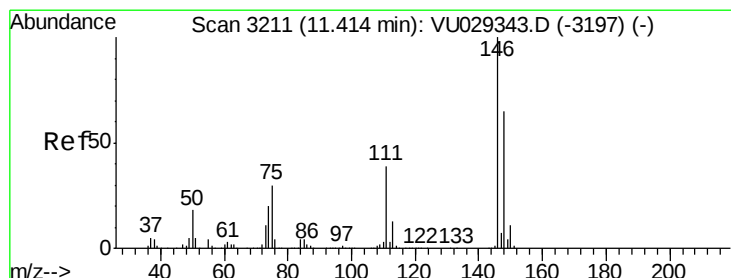
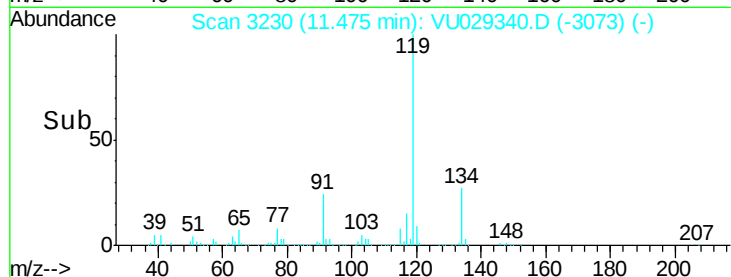
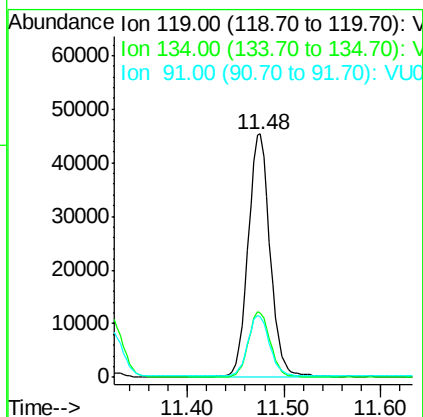
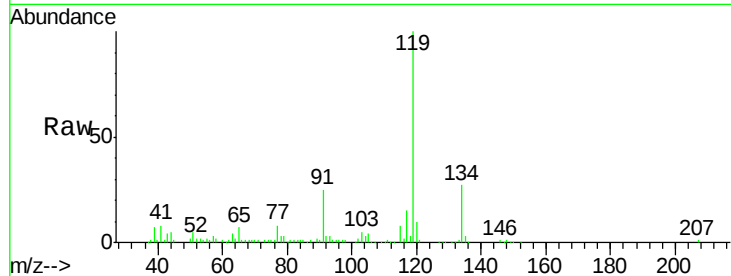
#81
p-Isopropyltoluene
Concen: 0.993 ug/l
RT: 11.48 min Scan# 3230
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	19.8	29.6
91	24.1	21.5	32.3

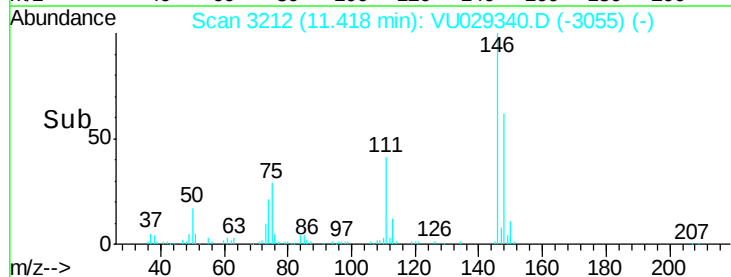
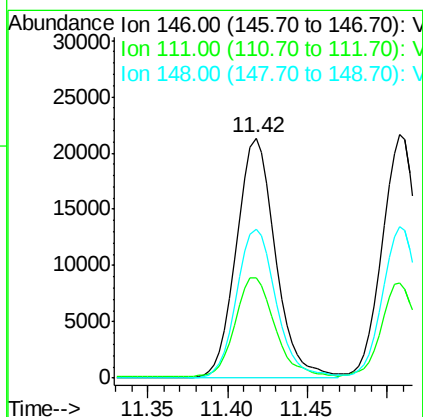
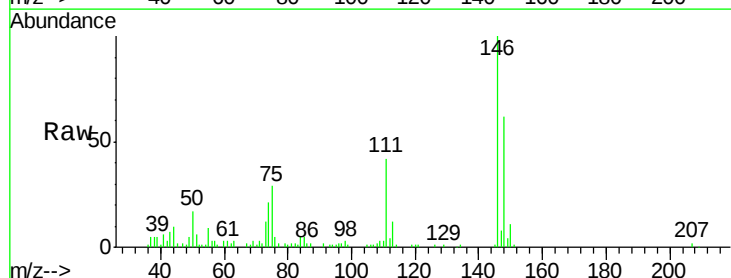
Manual Integrations
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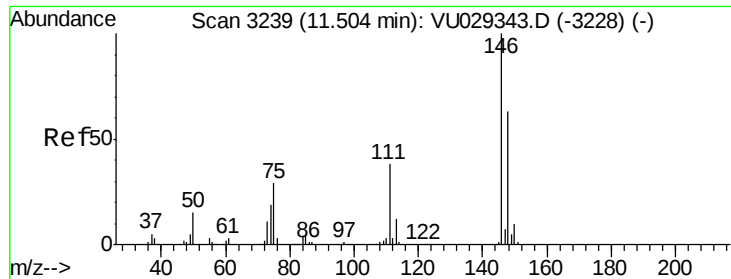
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#82
1,3-Dichlorobenzene
Concen: 0.976 ug/l
RT: 11.42 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	34.1	51.1
148	62.8	52.3	78.5





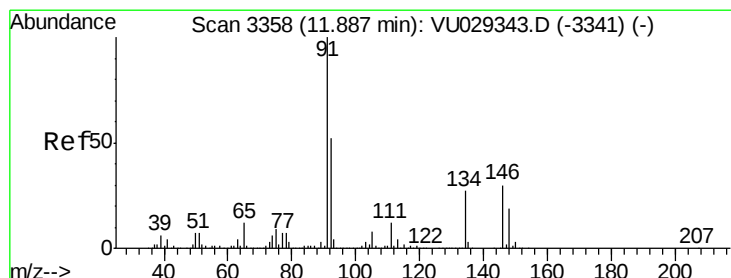
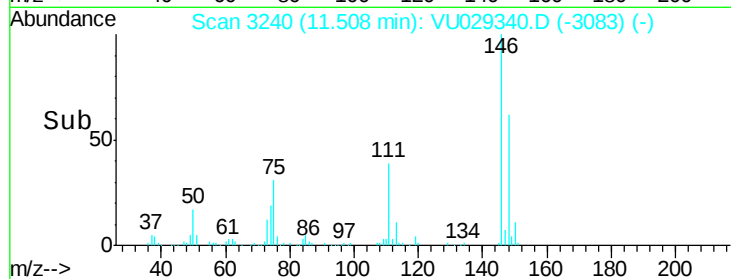
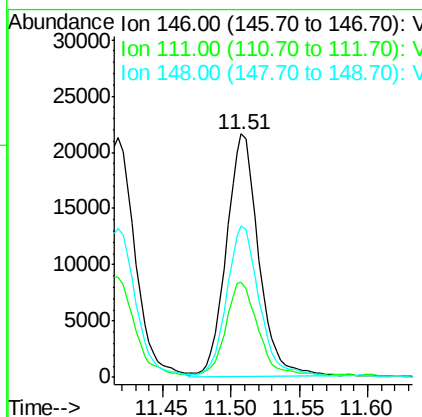
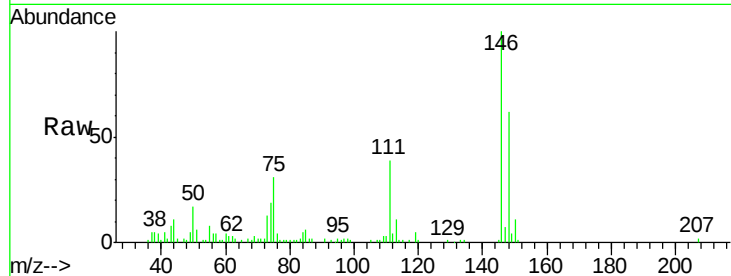
#83
 1,4-Dichlorobenzene
 Concen: 0.970 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU029340.D
 Acq: 05 Feb 2019 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	32.9	49.3
148	62.7	51.8	77.6

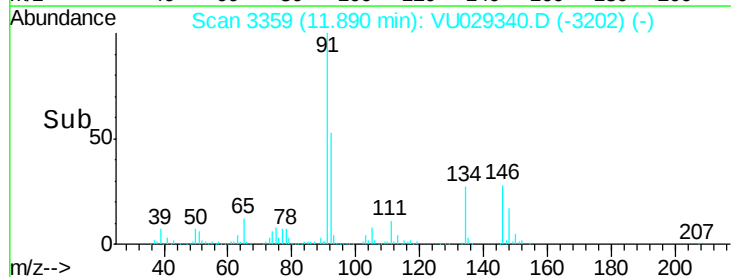
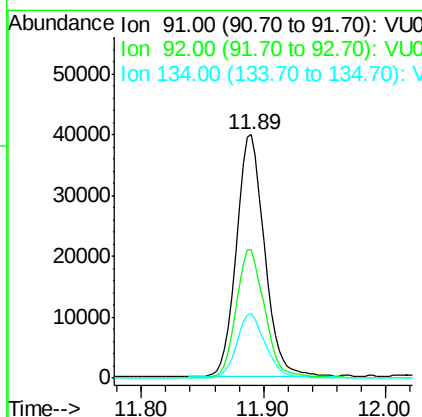
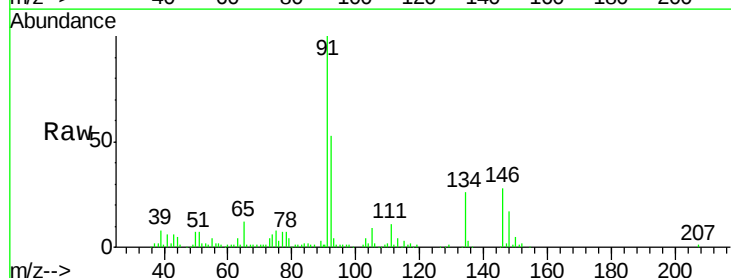
Manual Integrations
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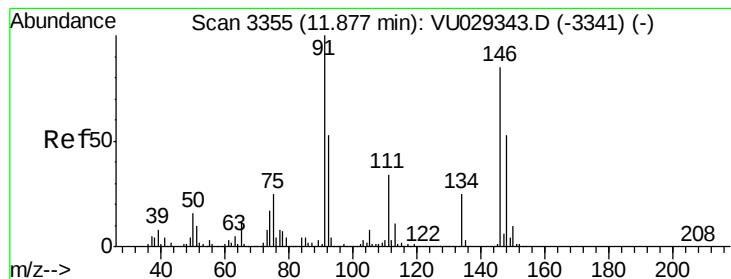
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#84
 n-Butylbenzene
 Concen: 0.960 ug/l
 RT: 11.89 min Scan# 3359
 Delta R.T. 0.00 min
 Lab File: VU029340.D
 Acq: 05 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.8	41.0	61.6
134	27.0	19.1	28.7





#85

1,2-Dichlorobenzene

Concen: 0.989 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:146 Resp: 34077

Ion Ratio Lower Upper

146 100

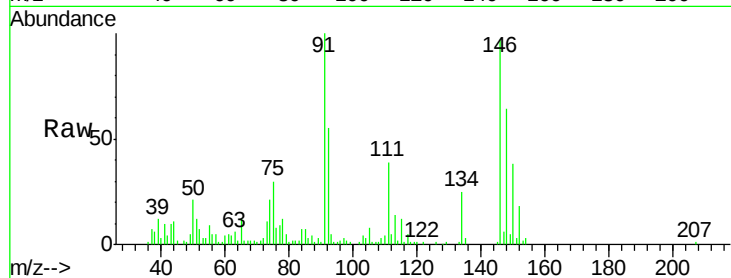
111 39.8 21.9 65.8

148 64.3 31.8 95.3

Manual Integrations
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sam

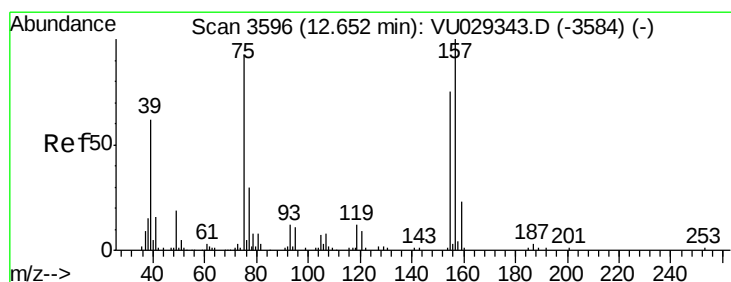
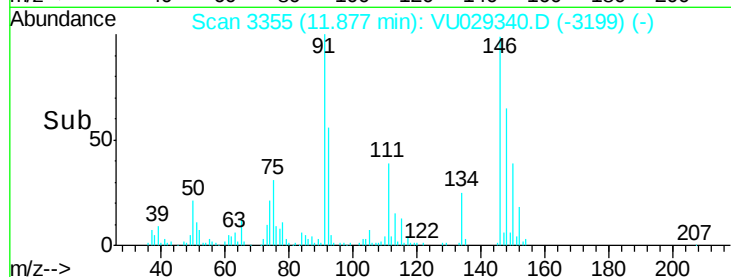
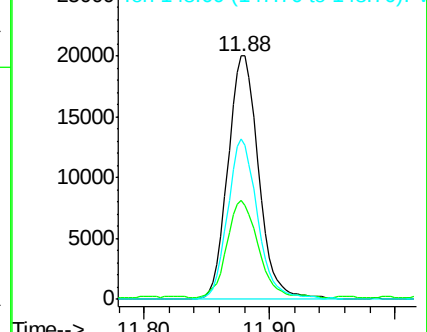
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 1.032 ug/l

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VU029340.D

Acq: 05 Feb 2019 11:12

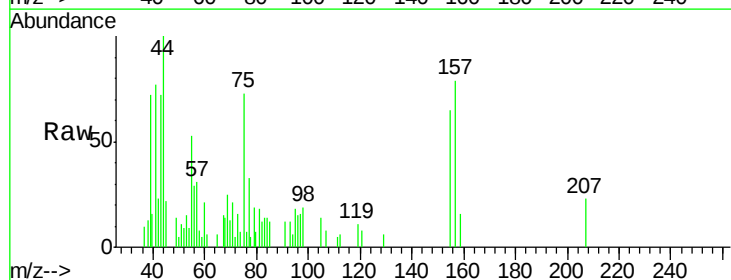
Tgt Ion: 75 Resp: 2721

Ion Ratio Lower Upper

75 100

155 86.1 53.8 80.8#

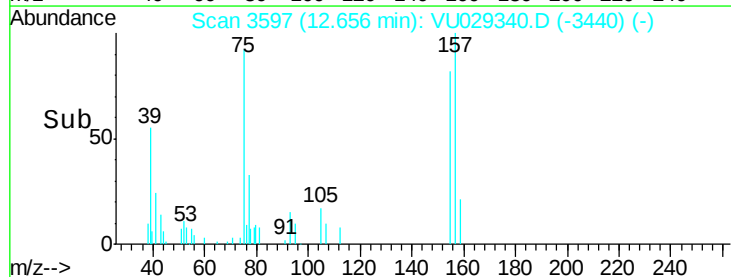
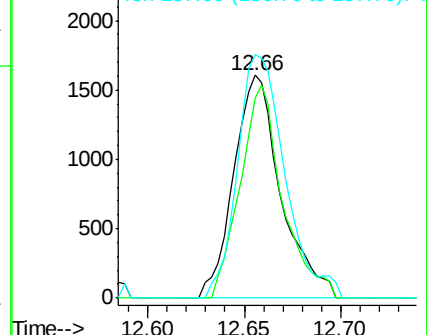
157 110.1 69.2 103.8#

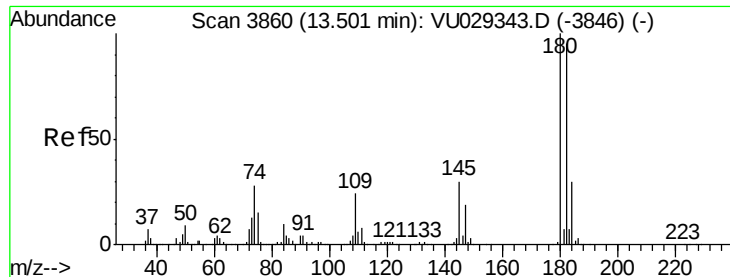


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





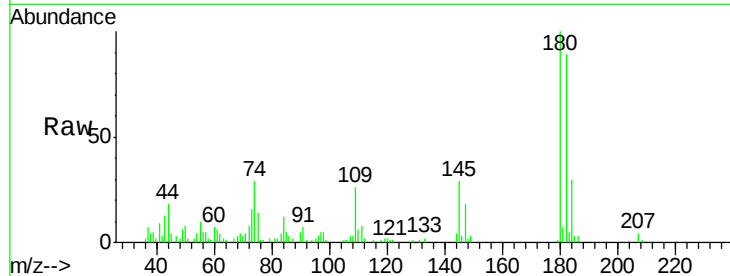
#87
 1,2,4-Trichlorobenzene
 Concen: 0.959 ug/l
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU029340.D
 Acq: 05 Feb 2019 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

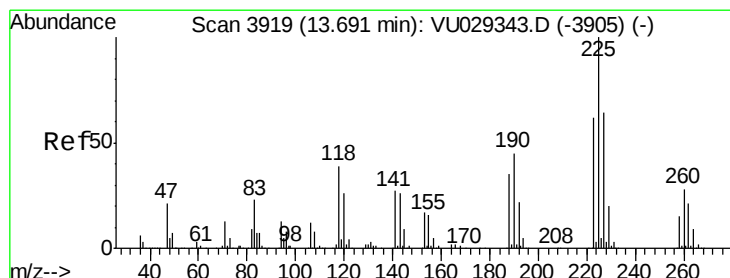
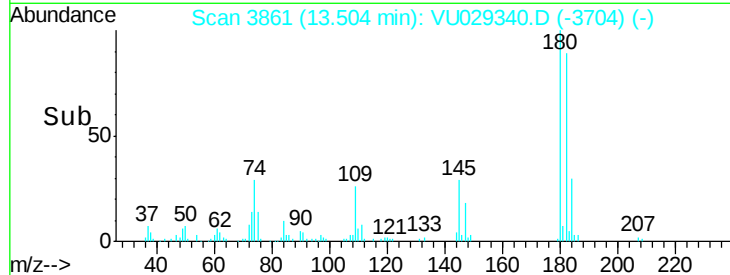
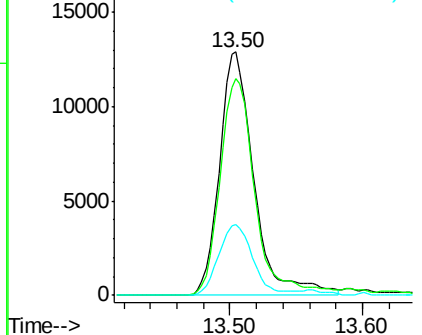
Tot Ion	Ratio	Lower	Upper
180	100		
182	90.6	76.6	114.8
145	28.7	24.6	36.8

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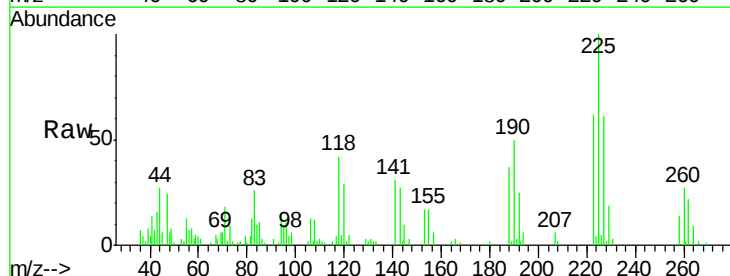


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

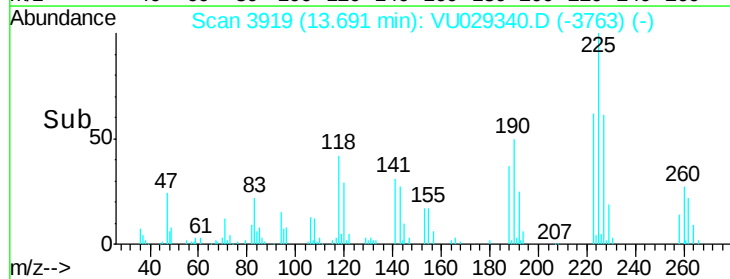
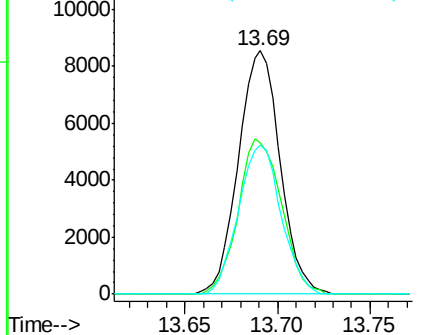


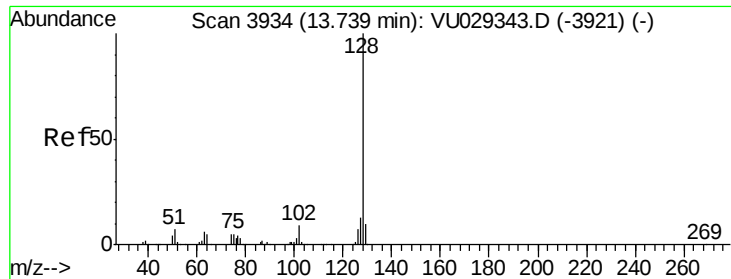
#88
 Hexachlorobutadiene
 Concen: 0.953 ug/l
 RT: 13.69 min Scan# 3919
 Delta R.T. 0.00 min
 Lab File: VU029340.D
 Acq: 05 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.3	49.5	74.3
227	62.5	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





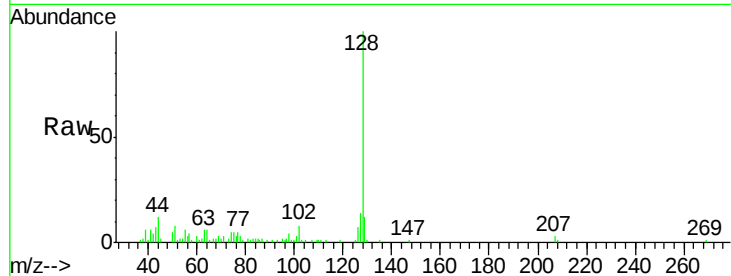
#89
Naphthalene
Concen: 0.932 ug/l
RT: 13.75 min Scan# 3936
Delta R.T. 0.01 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

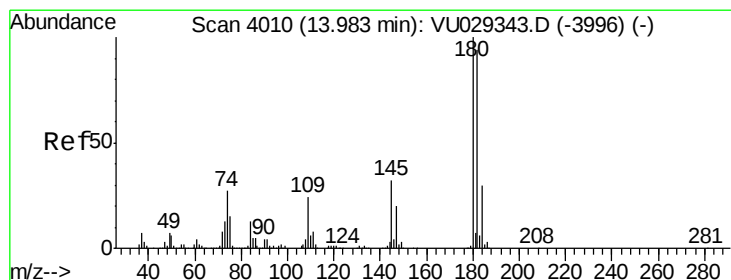
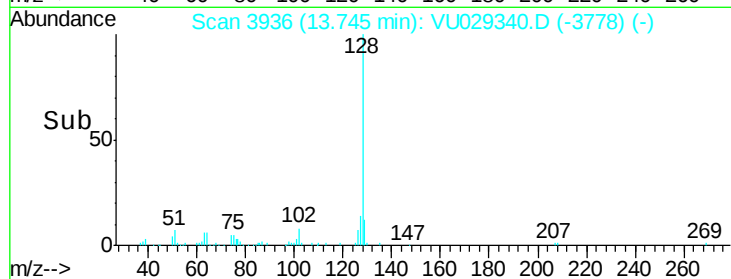
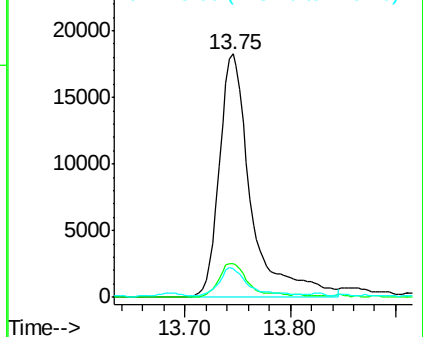
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.7	16.1
129	10.3	8.2	12.4

Manual Integrations
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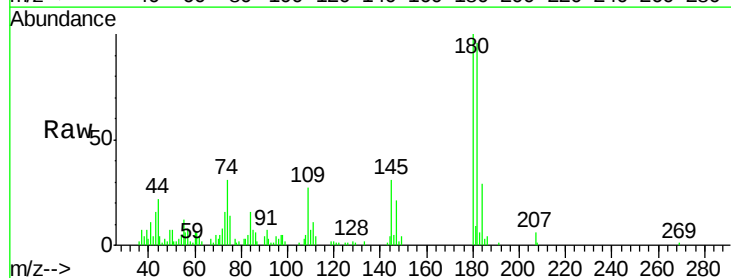


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 0.941 ug/l
RT: 13.99 min Scan# 4012
Delta R.T. 0.01 min
Lab File: VU029340.D
Acq: 05 Feb 2019 11:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	78.0	117.0
145	32.1	26.6	39.8



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

