

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020619\
 Data File : VU029362.D
 Acq On : 06 Feb 2019 15:13
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

Manual Integrations
 APPROVED

sam
 2/8/2019 2:27:42 PM

Quant Time: Feb 08 12:36:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	52530	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	21334	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	23020	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	182283	9.298	ug/l	99
3) Chloromethane	1.33	50	157165	8.773	ug/l	99
4) Vinyl Chloride	1.40	62	194032	9.239	ug/l	99
5) Bromomethane	1.62	94	112076	9.594	ug/l	96
6) Chloroethane	1.70	64	116806	9.520	ug/l	99
7) Trichlorofluoromethane	1.88	101	298088	10.164	ug/l	95
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	162208	10.475	ug/l	89
9) 1,1-Dichloroethene	2.28	96	153862	10.153	ug/l	71
10) Iodomethane	2.41	142	215926	9.535	ug/l #	78
11) Allyl Chloride	2.59	41	233553	9.191	ug/l	91
12) Acrylonitrile	2.94	53	64309	18.934	ug/l	97
13) Acetone	2.32	43	153287	46.829	ug/l #	83
14) Carbon Disulfide	2.48	76	518033	9.682	ug/l	99
15) Methylene Chloride	2.70	84	167940	9.140	ug/l #	79
16) trans-1,2-Dichloroethene	2.98	96	169316	9.992	ug/l #	78
17) 1,1-Dichloroethane	3.44	63	269050	10.019	ug/l	97
18) 2-Butanone	4.27	43	178104	48.683	ug/l	98
19) Cyclohexane	4.99	56	215379m	8.650	ug/l	
20) Methylcyclohexane	6.41	83	255333	9.764	ug/l #	86
21) 2,2-Dichloropropane	4.22	77	237503	9.555	ug/l	93
22) cis-1,2-Dichloroethene	4.22	96	160984	10.085	ug/l	77
23) Diethyl Ether	2.10	59	115795	9.516	ug/l	89
24) tert-Butyl Alcohol	2.83	59	119002	94.102	ug/l	98
25) Methyl tert-Butyl Ether	3.00	73	416961	9.772	ug/l #	86
26) Bromochloromethane	4.54	128	70844	10.047	ug/l	73
27) Chloroform	4.67	83	256708	9.830	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	239523	9.895	ug/l	95
29) 1,1-Dichloropropene	5.13	75	200320	9.533	ug/l	92
30) Carbon Tetrachloride	5.13	117	225424	10.287	ug/l	100
31) Isopropyl Ether	3.58	45	371409	9.166	ug/l	91
32) Ethyl-t-butyl ether	4.07	59	381456	9.394	ug/l	90
33) Tert-Amyl methyl ether	5.58	73	361094	9.835	ug/l	99
34) Propionitrile	4.33	54	47047	48.924	ug/l #	93
35) Benzene	5.38	78	564915	9.722	ug/l	97
36) 1,2-Dichloroethane	5.40	62	165271	9.403	ug/l #	89
37) Trichloroethene	6.18	130	176060	10.558	ug/l	86
38) 1,2-Dichloropropane	6.43	63	143412	9.487	ug/l	99
39) Methacrylonitrile	4.55	41	44304	8.996	ug/l #	89
40) Methyl acrylate	4.42	55	70316	9.459	ug/l #	92
41) Tetrahydrofuran	4.65	42	43315	17.461	ug/l #	81
42) 1-Chlorobutane	5.06	56	261026	9.271	ug/l	87

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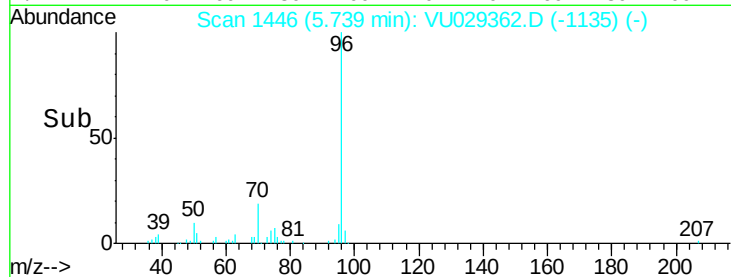
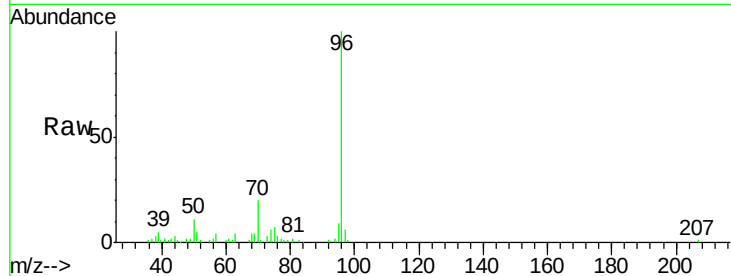
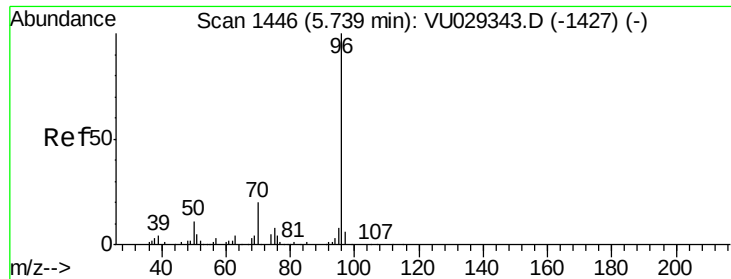
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	77147	9.577	ug/l	89
44) Bromodichloromethane	6.76	83	198795	9.685	ug/l	96
45) 4-Methyl-2-Pentanone	7.46	43	437744	46.356	ug/l #	90
46) t-1,4-Dichloro-2-butene	10.51	75	88178m	19.166	ug/l	
47) Methyl methacrylate	6.62	69	141837	20.012	ug/l #	76
48) Ethyl methacrylate	8.02	69	151354	9.954	ug/l	80
49) Toluene	7.63	92	371427	9.989	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	195216	9.702	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	230417	9.640	ug/l #	88
52) 1,1,2-Trichloroethane	8.06	97	108405	10.165	ug/l	98
53) 1,3-Dichloropropane	8.24	76	182360	9.734	ug/l	99
54) 2-Hexanone	8.36	43	311398	47.044	ug/l	87
55) Dibromochloromethane	8.47	129	153935	10.155	ug/l	99
56) 1,2-Dibromoethane	8.58	107	106665	9.749	ug/l	100
58) Tetrachloroethene	8.22	164	166328	10.719	ug/l	92
59) Chlorobenzene	9.12	112	431714	10.306	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	160690	10.382	ug/l	98
61) Pentachloroethane	11.10	117	123227	10.272	ug/l	84
62) Hexachloroethane	12.14	117	136754	10.445	ug/l	93
63) Ethyl Benzene	9.25	91	724660	9.962	ug/l	94
64) m/p-Xylenes	9.37	106	579059	20.483	ug/l	87
65) o-Xylene	9.77	106	284880	10.266	ug/l	86
66) Styrene	9.79	104	474646	10.261	ug/l	93
67) Bromoform	9.95	173	99418	10.543	ug/l	98
69) Isopropylbenzene	10.16	105	755370	10.189	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.46	83	135529	9.915	ug/l	96
71) 1,2,3-Trichloropropane	10.49	75	98287m	10.471	ug/l	
72) Bromobenzene	10.45	156	195551	10.882	ug/l	83
73) n-propylbenzene	10.58	120	218427	10.578	ug/l	76
74) 2-Chlorotoluene	10.66	126	185610	10.556	ug/l	78
75) 1,3,5-Trimethylbenzene	10.77	105	647357	10.128	ug/l	95
76) 4-Chlorotoluene	10.77	126	193053	10.579	ug/l	75
77) tert-Butylbenzene	11.10	119	649735	10.284	ug/l	91
78) 1,2,4-Trimethylbenzene	11.14	105	656224	10.141	ug/l	94
79) sec-Butylbenzene	11.32	105	844840	10.220	ug/l	95
80) Nitrobenzene	12.86	77	30349	49.834	ug/l #	91
81) p-Isopropyltoluene	11.47	119	735082	10.490	ug/l	93
82) 1,3-Dichlorobenzene	11.41	146	381010	10.807	ug/l	96
83) 1,4-Dichlorobenzene	11.50	146	377804	10.760	ug/l	97
84) n-Butylbenzene	11.89	91	659743	10.260	ug/l	95
85) 1,2-Dichlorobenzene	11.88	146	356041	10.681	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.65	75	24346	9.544	ug/l #	63
87) 1,2,4-Trichlorobenzene	13.50	180	267766	11.436	ug/l	99
88) Hexachlorobutadiene	13.69	225	161502	11.910	ug/l	99
89) Naphthalene	13.74	128	437832	11.026	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	239974	11.214	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU029362.D

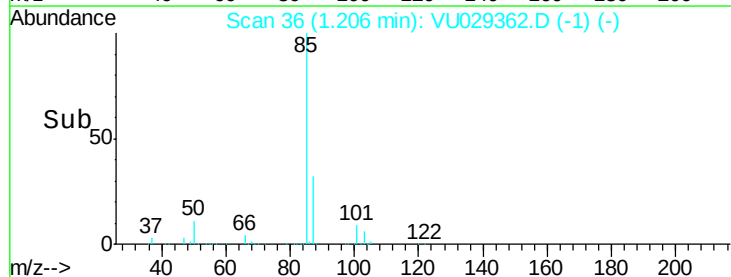
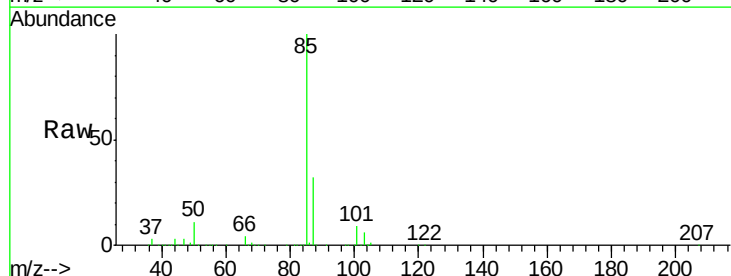
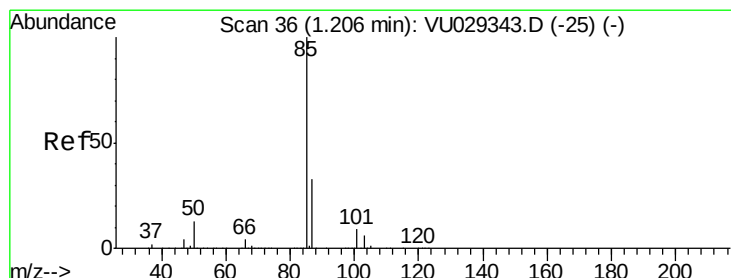
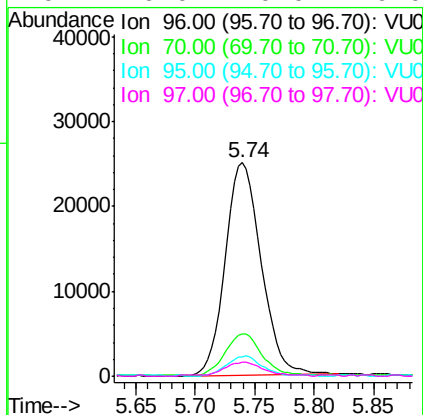
Acq: 06 Feb 2019 15:13

Tot Ion:	96	Resp:	52530
Ion	Ratio	Lower	Upper
96	100		
70	20.1	16.2	24.2
95	9.7	7.4	11.2
97	0.0	0.0	0.0

Instrument :
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#2

Dichlorodifluoromethane

Concen: 9.298 ug/l

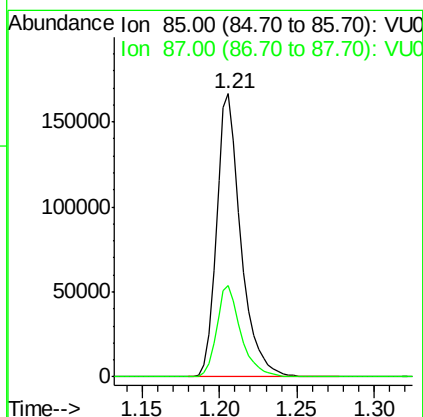
RT: 1.21 min Scan# 36

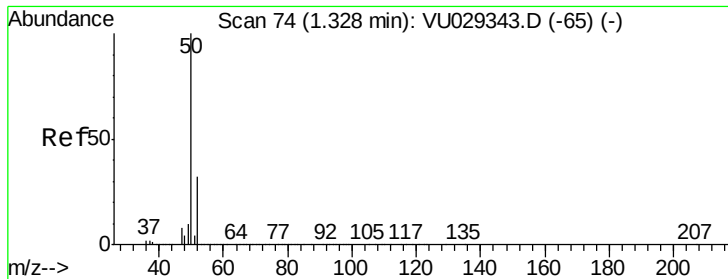
Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Tgt Ion:	85	Resp:	182283
Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.9	47.6





#3

Chloromethane

Concen: 8.773 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

Tot Ion: 50 Resp: 157165

Ion Ratio Lower Upper

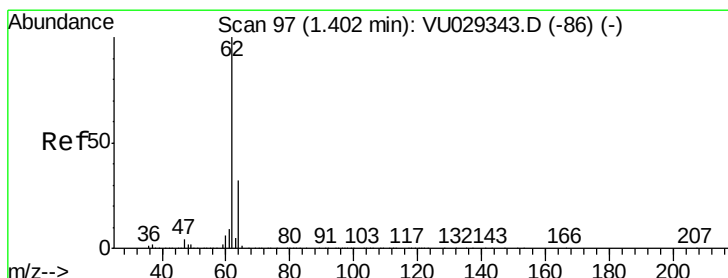
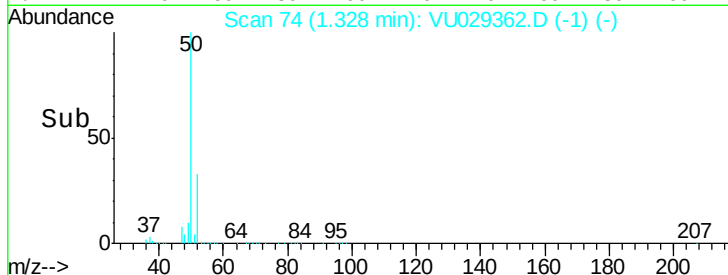
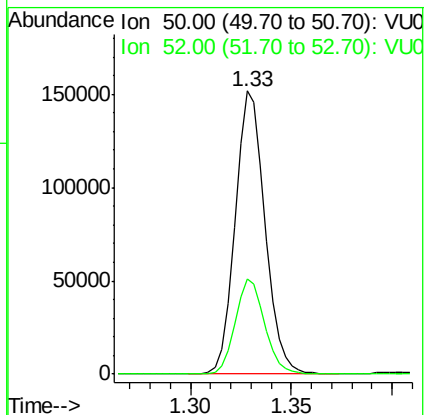
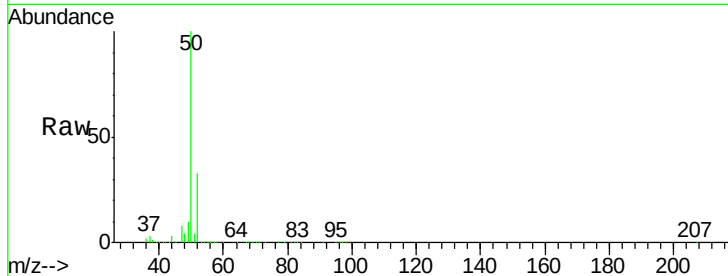
50 100

52 33.4 27.3 40.9

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#4

Vinyl Chloride

Concen: 9.239 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029362.D

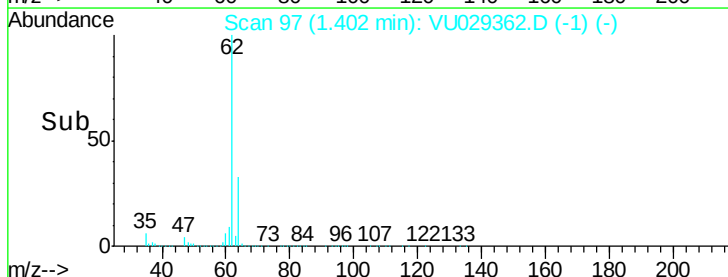
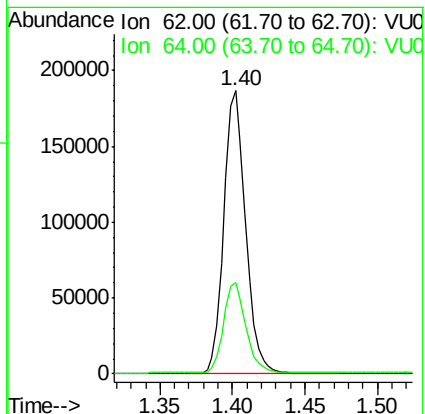
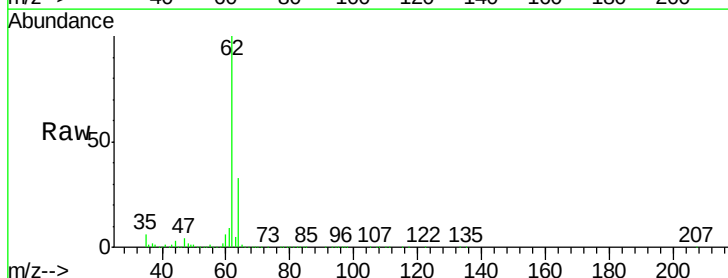
Acq: 06 Feb 2019 15:13

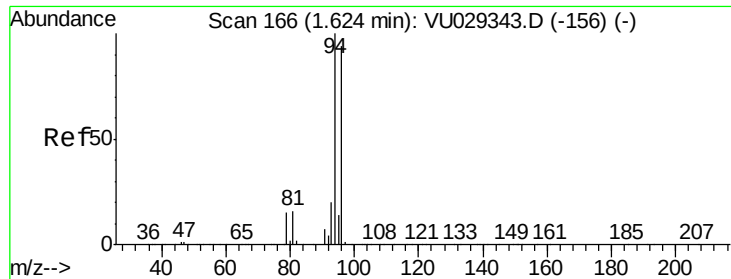
Tgt Ion: 62 Resp: 194032

Ion Ratio Lower Upper

62 100

64 32.1 25.2 37.8





#5

Bromomethane

Concen: 9.594 ug/l

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

Tot Ion: 94 Resp: 112076

Ion Ratio Lower Upper

94 100

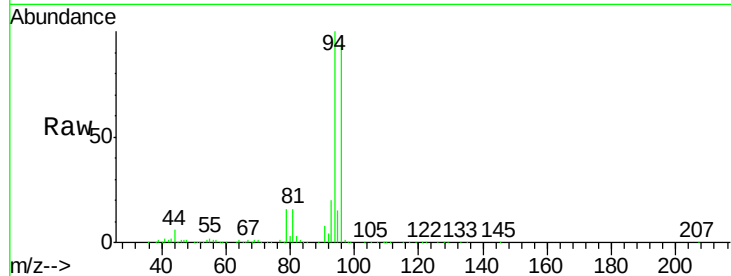
96 93.8 71.7 107.5

Manual Integrations

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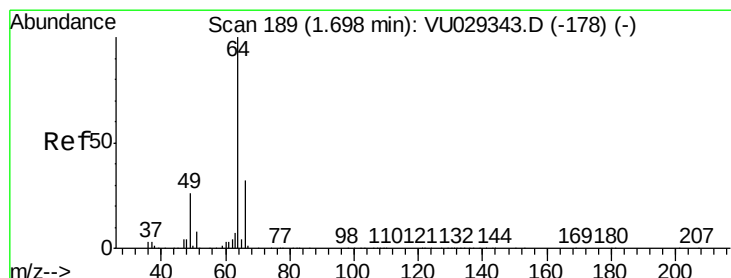
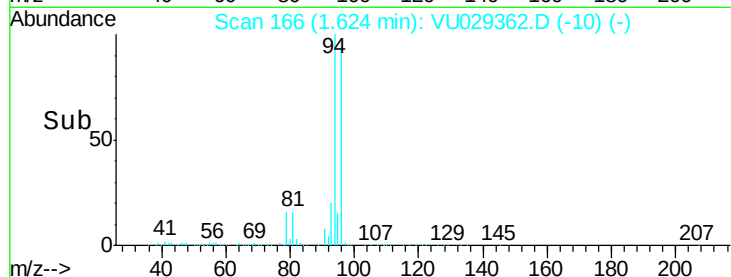
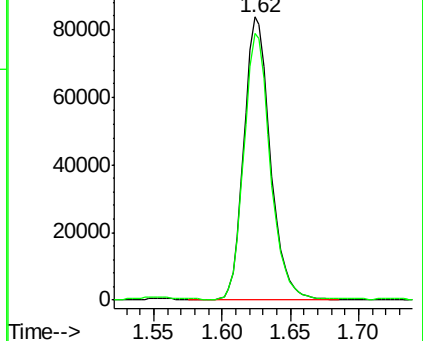
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 9.520 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029362.D

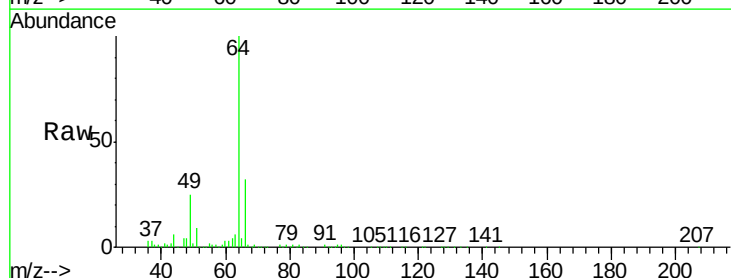
Acq: 06 Feb 2019 15:13

Tgt Ion: 64 Resp: 116806

Ion Ratio Lower Upper

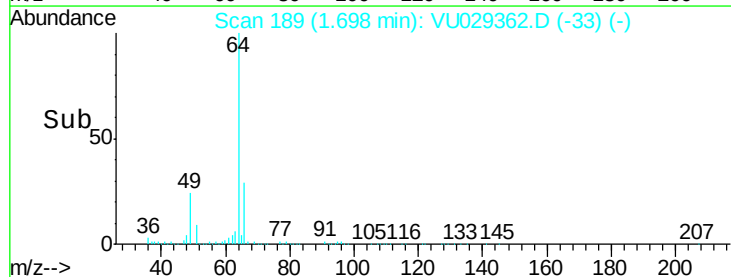
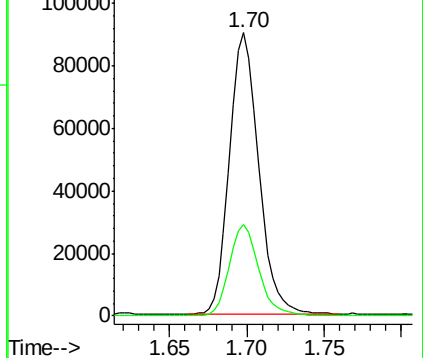
64 100

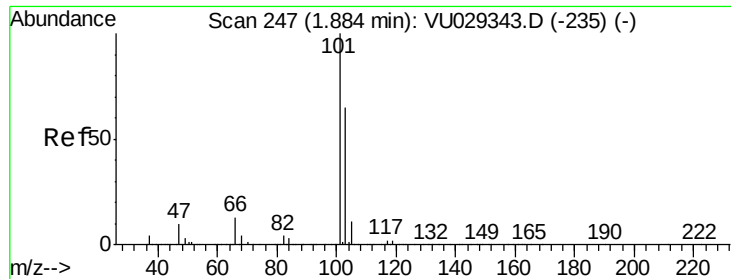
66 32.5 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

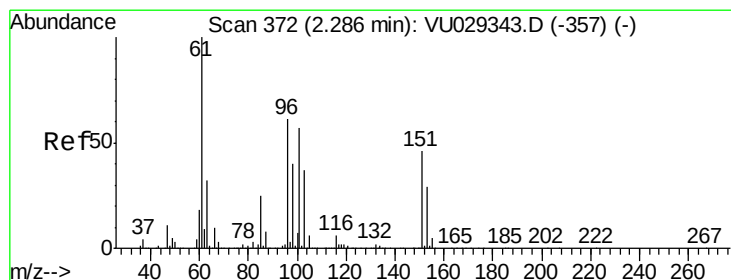
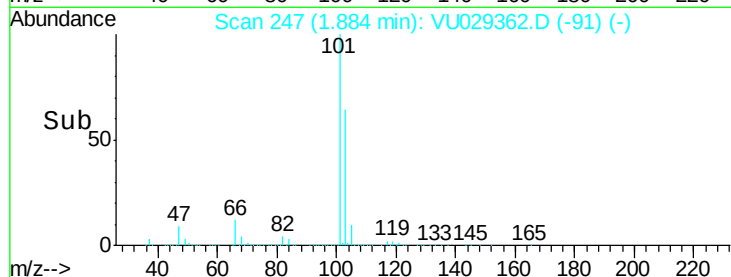
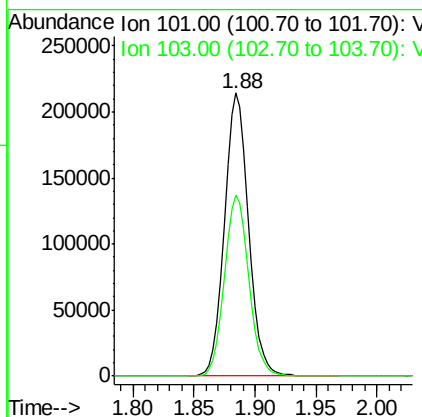
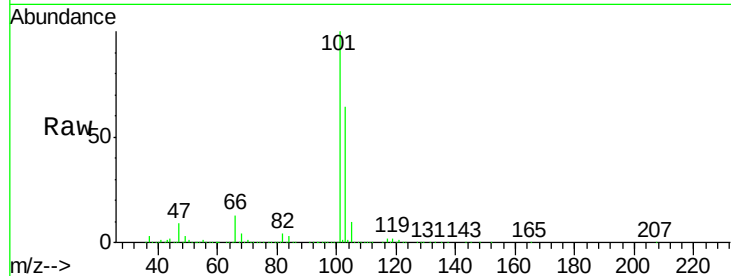
Trichlorofluoromethane
Concen: 10.164 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	298088		
103	63.7	53.9	80.9	

Manual Integrations
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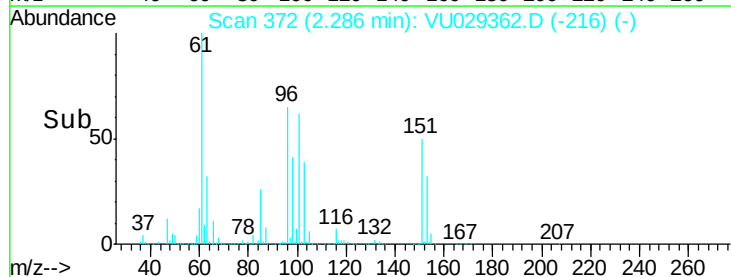
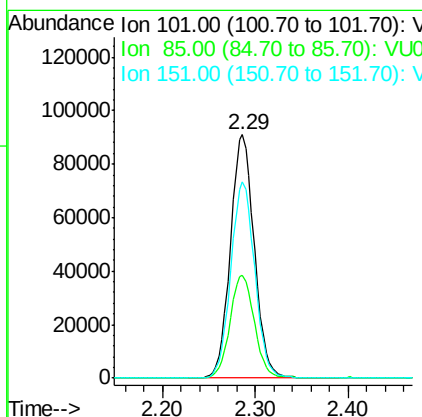
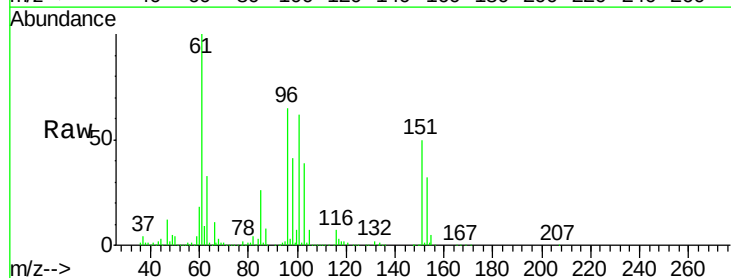
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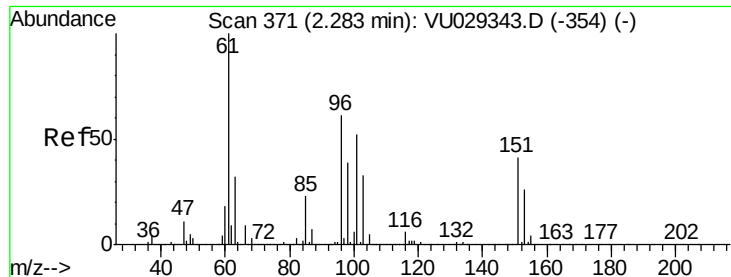


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.475 ug/l
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	162208		
85	42.4	40.3	60.5	
151	81.0	58.1	87.1	





#9

1,1-Dichloroethene

Concen: 10.153 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

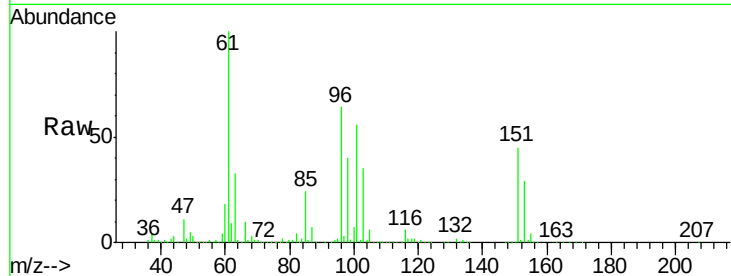
ClientSampleId :

VSTD01052

Tot Ion:	96	Resp:	153862
Ion	Ratio	Lower	Upper
96	100		
61	155.7	0.0	641.4
98	62.7	0.0	122.6

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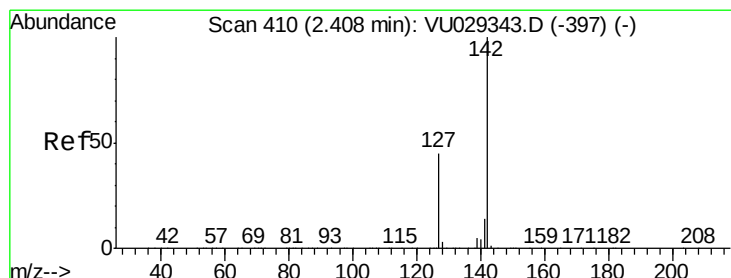
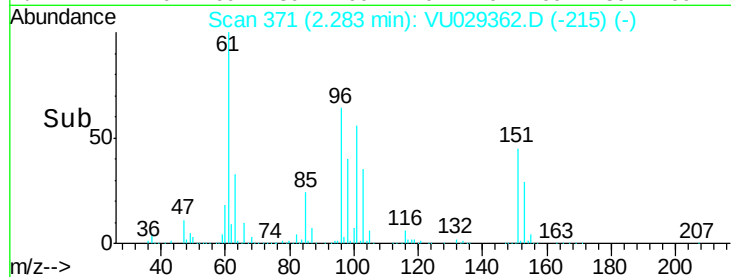
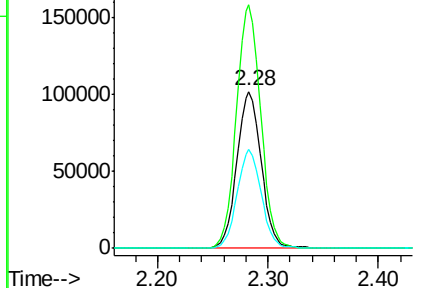
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Abundance Ion 96.00 (95.70 to 96.70): VU029343.D (-354) (-)

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

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



#10

Iodomethane

Concen: 9.535 ug/l

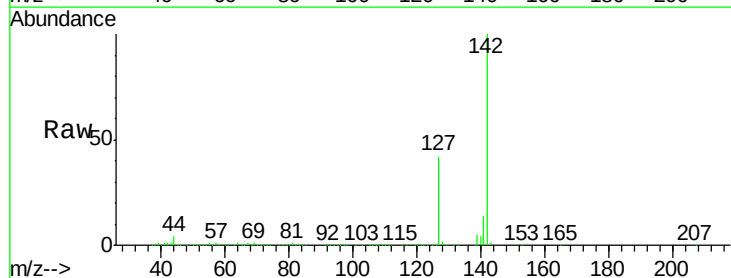
RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU029362.D

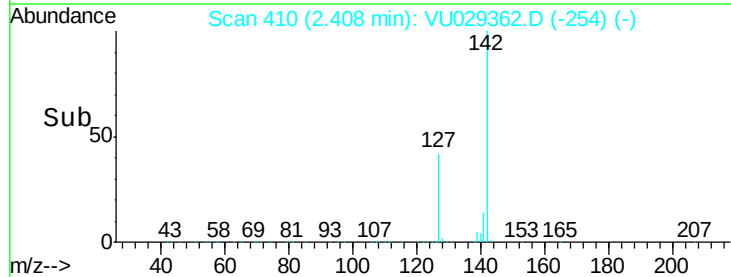
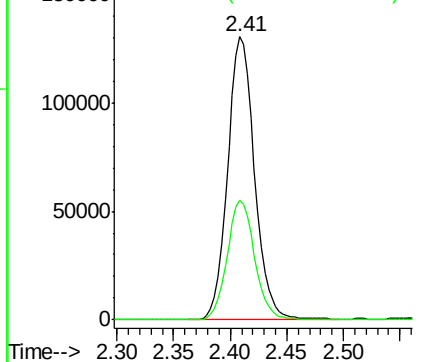
Acq: 06 Feb 2019 15:13

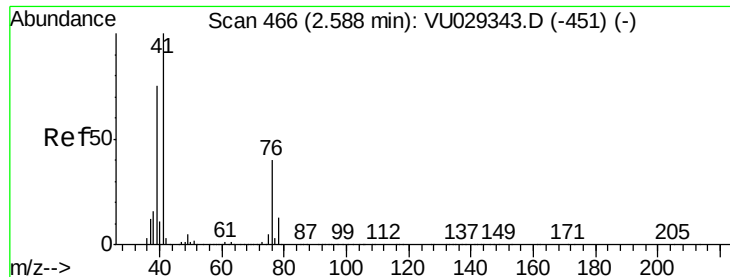
Tgt Ion:	142	Resp:	215926
Ion	Ratio	Lower	Upper
142	100		
127	43.2	47.6	71.4#



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

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





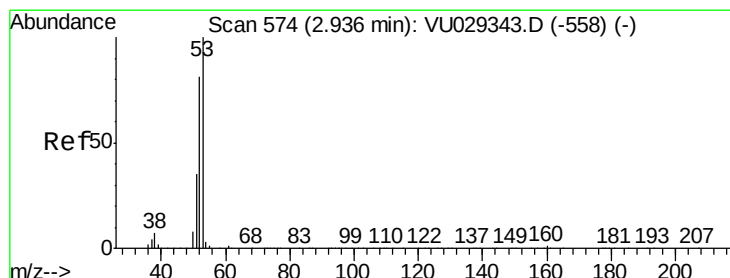
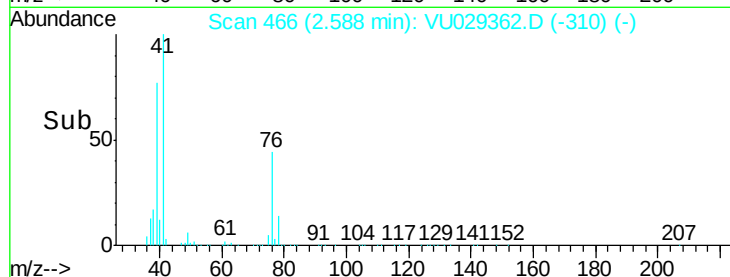
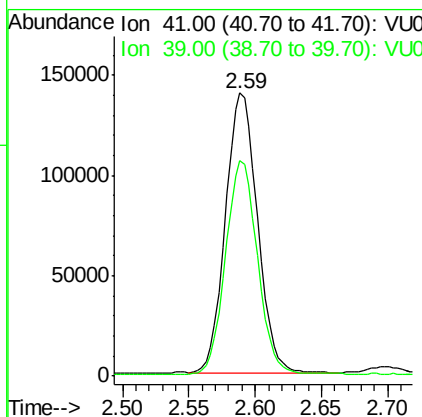
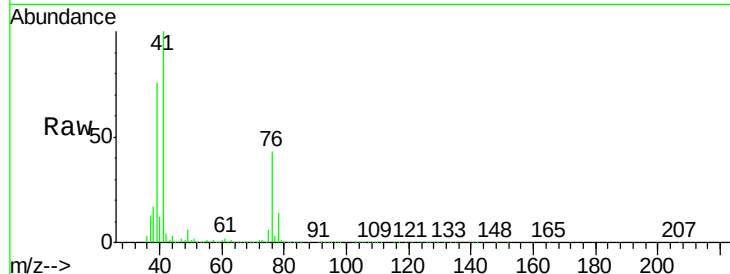
#11
Allvl Chloride
Concen: 9.191 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

Tot Ion: 41 Resp: 23353
Ion Ratio Lower Upper
41 100
39 76.0 67.2 100.8

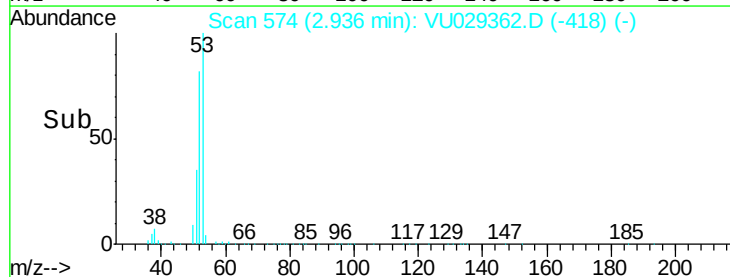
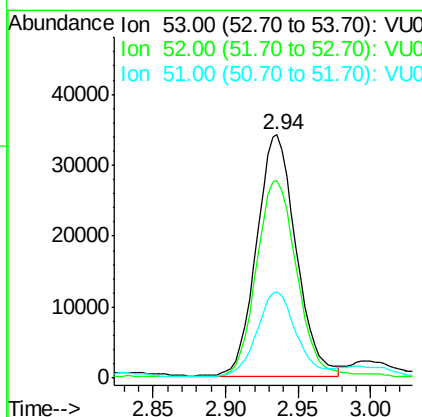
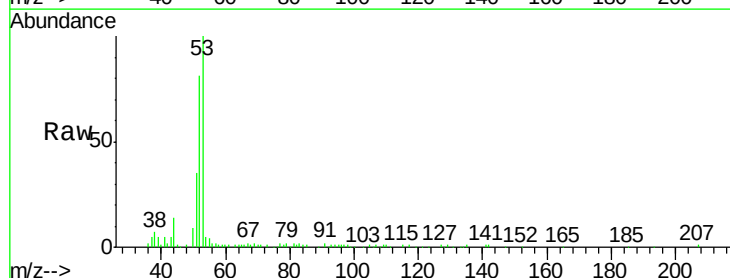
Manual Integrations
APPROVED

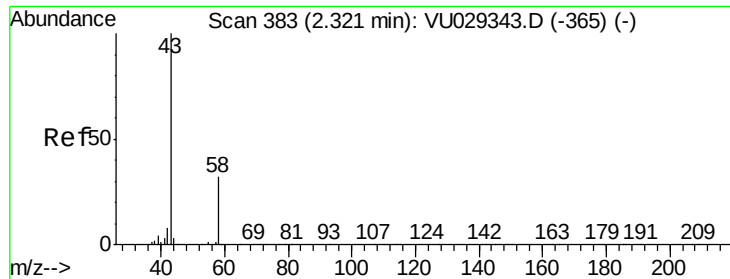
sam
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#12
Acrylonitrile
Concen: 18.934 ug/l
RT: 2.94 min Scan# 574
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion: 53 Resp: 64309
Ion Ratio Lower Upper
53 100
52 83.5 67.6 101.4
51 34.6 31.0 46.4





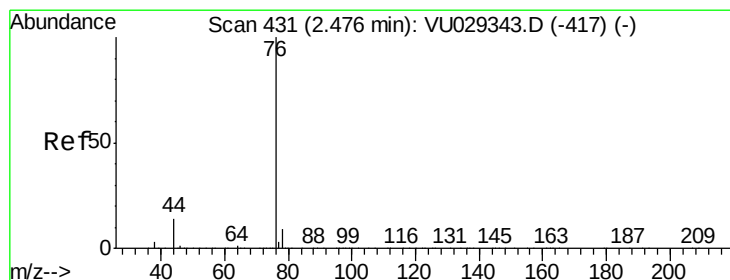
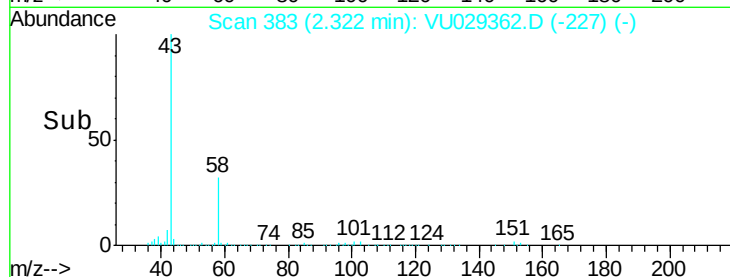
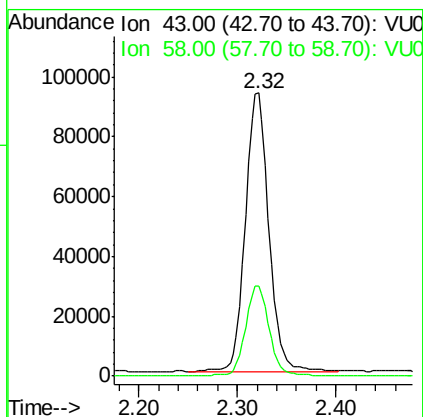
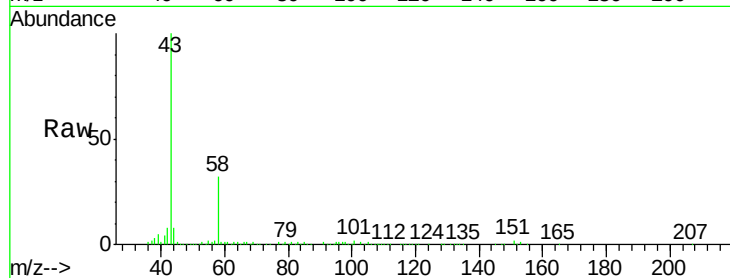
#13
Acetone
Concen: 46.829 ug/l
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

Tot Ion: 43 Resp: 153287
Ion Ratio Lower Upper
43 100
58 32.2 19.2 28.8#

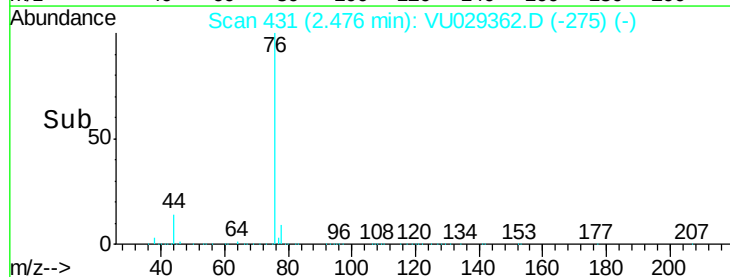
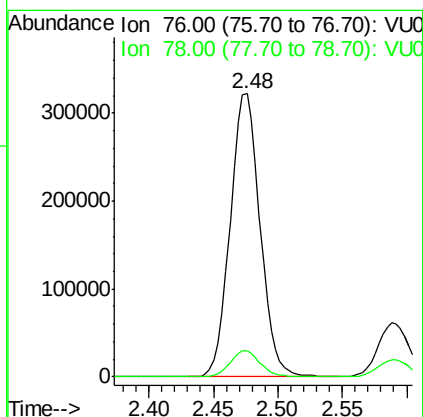
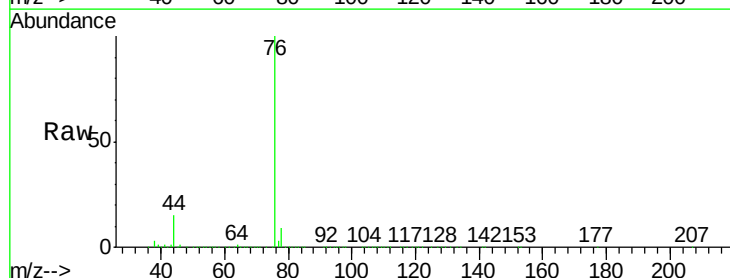
Manual Integrations
APPROVED

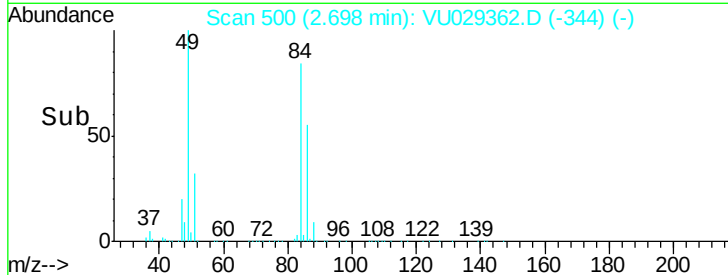
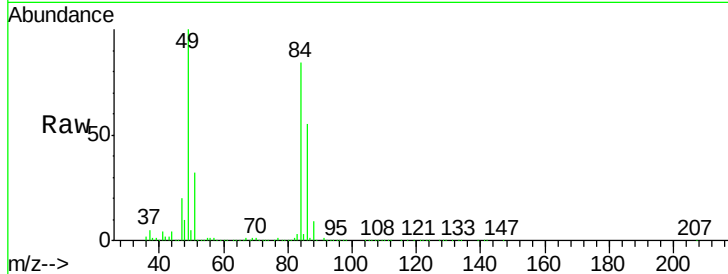
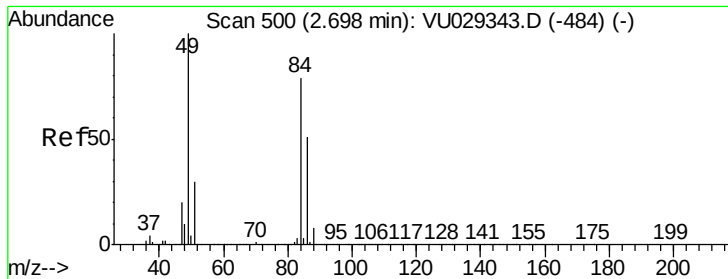
sam
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#14
Carbon Disulfide
Concen: 9.682 ug/l
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion: 76 Resp: 518033
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7





#15

Methylene Chloride

Concen: 9.140 ug/l

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU029362.D

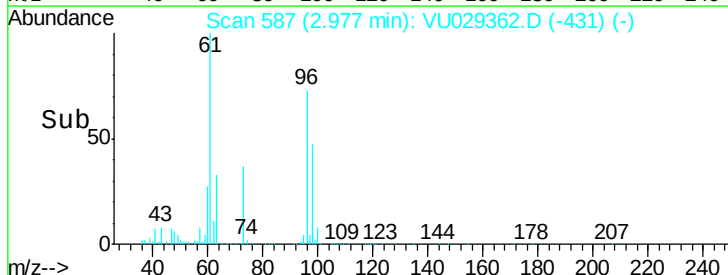
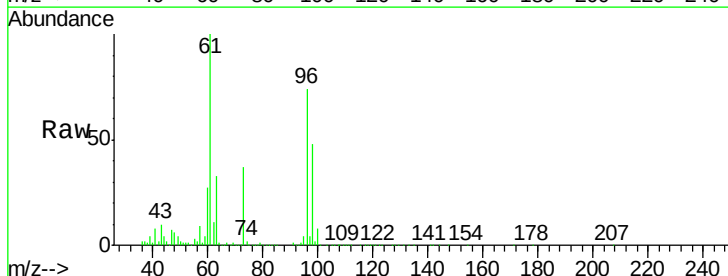
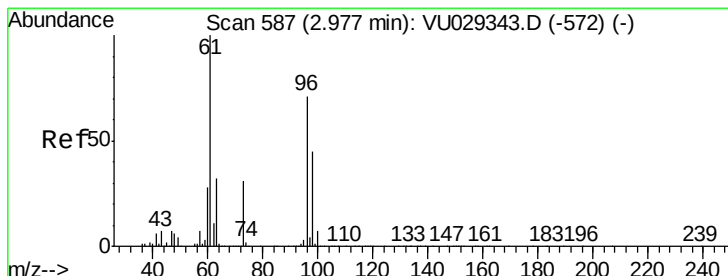
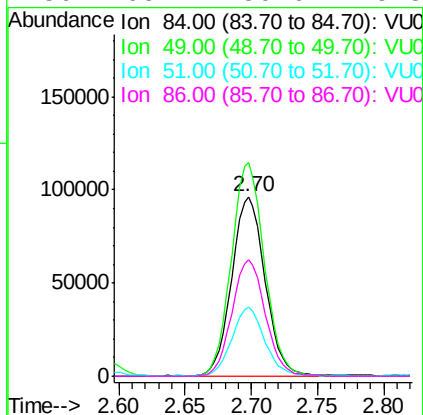
Acq: 06 Feb 2019 15:13

Tot Ion:	84	Resp:	167940
Ion Ratio	Lower	Upper	
84	100		
49	119.5	127.0	190.6#
51	38.2	0.0	93.4
86	65.4	50.6	75.8

Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

Manual Integrations
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#16

trans-1,2-Dichloroethene

Concen: 9.992 ug/l

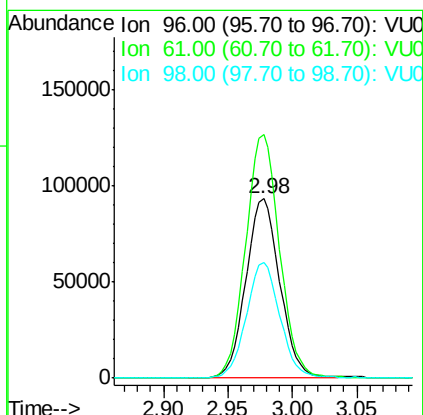
RT: 2.98 min Scan# 587

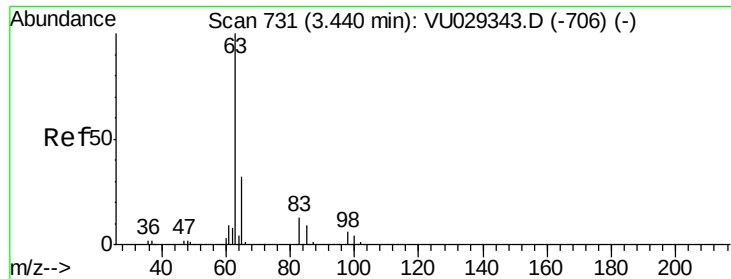
Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Tgt Ion:	96	Resp:	169316
Ion Ratio	Lower	Upper	
96	100		
61	136.3	140.6	210.8#
98	64.8	49.3	73.9





#17

1,1-Dichloroethane

Concen: 10.019 ug/l

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

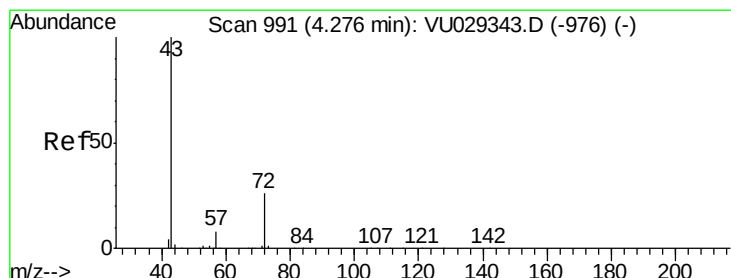
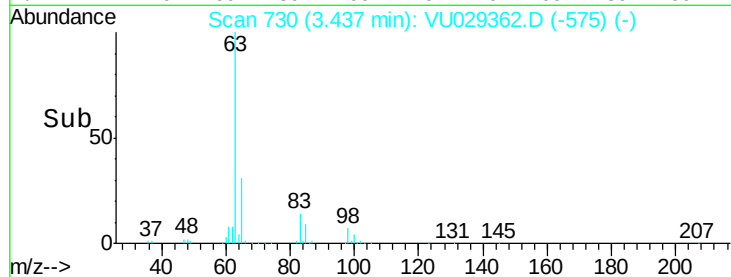
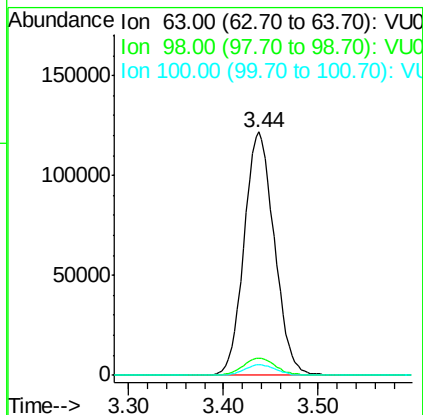
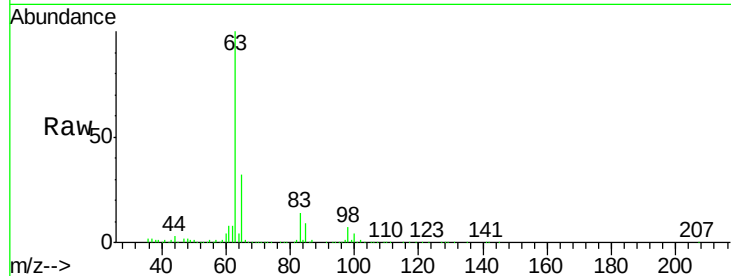
ClientSampleId :

VSTD01052

Tot Ion	63	Resp	269050
Ion Ratio	Lower	Upper	
63	100		
98	7.0	2.9	8.8
100	4.3	1.7	5.1

Manual Integrations
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#18

2-Butanone

Concen: 48.683 ug/l

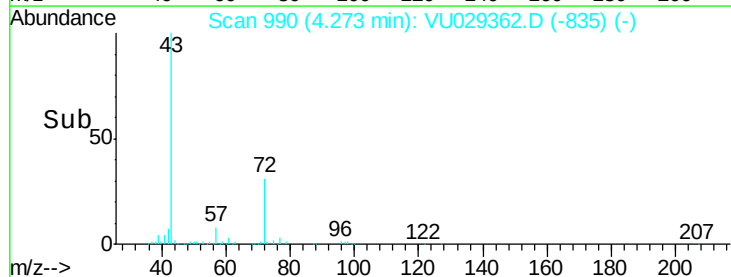
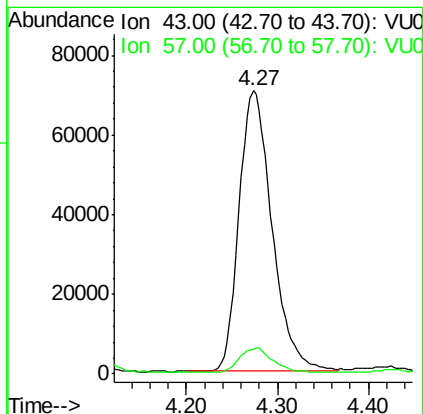
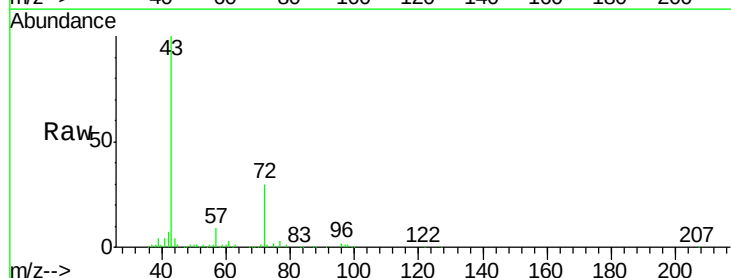
RT: 4.27 min Scan# 990

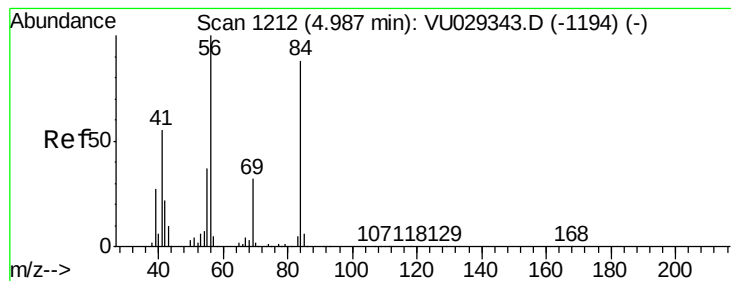
Delta R.T. -0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Tgt Ion	43	Resp	178104
Ion Ratio	Lower	Upper	
43	100		
57	8.4	0.0	15.8





#19

Cyclohexane

Concen: 8.650 ug/l m

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

Tot Ion: 56 Resp: 215379

Ion Ratio Lower Upper

56 100

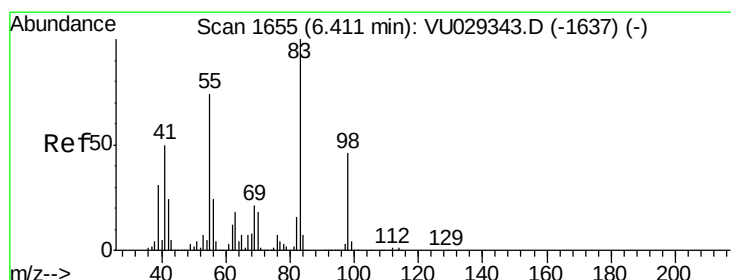
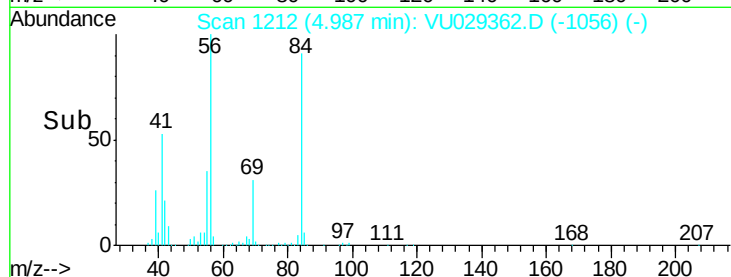
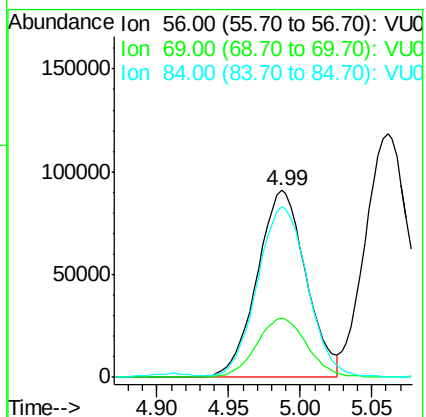
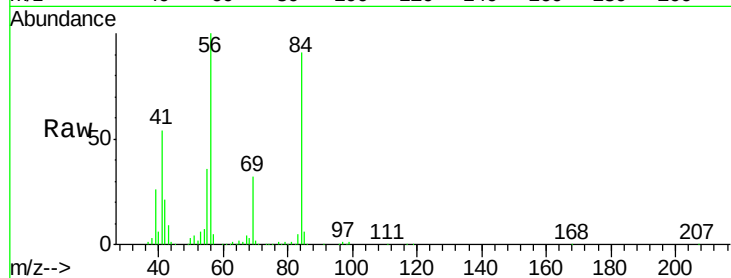
69 32.1 26.8 40.2

84 91.7 71.5 107.3

Manual Integrations
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#20

Methylcyclohexane

Concen: 9.764 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

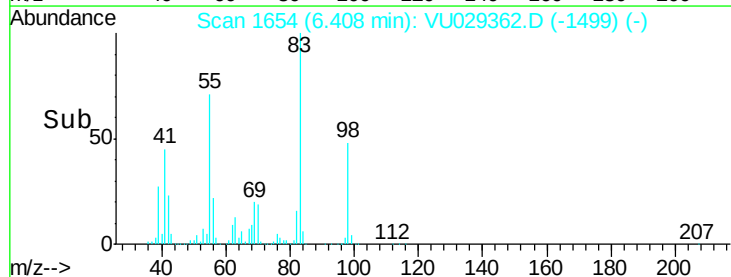
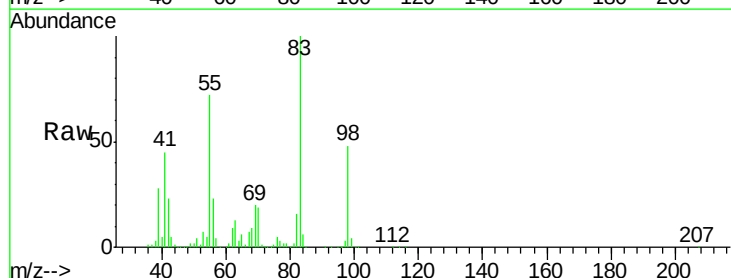
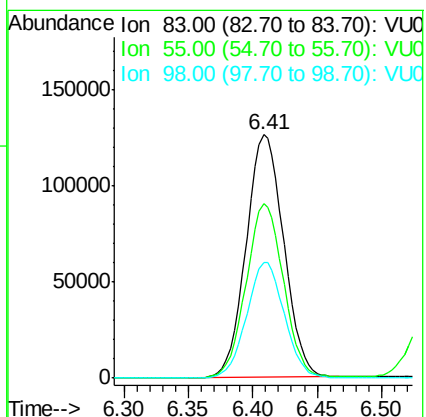
Tgt Ion: 83 Resp: 255333

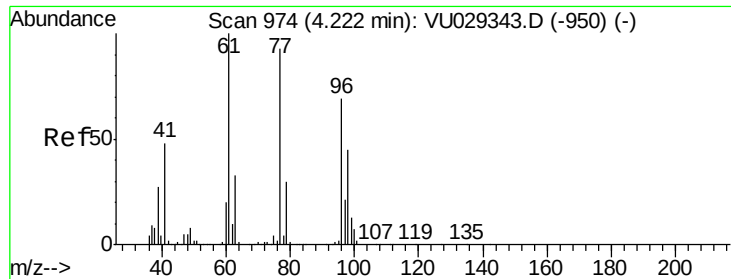
Ion Ratio Lower Upper

83 100

55 71.1 72.4 108.6#

98 47.2 36.6 54.8





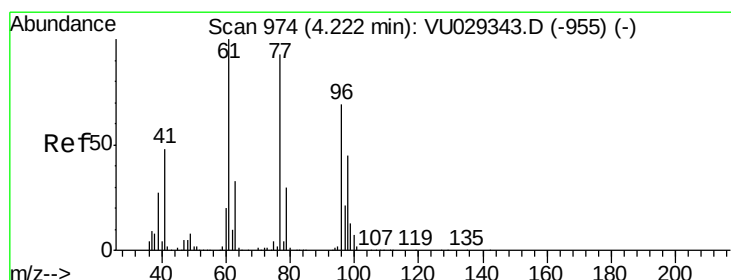
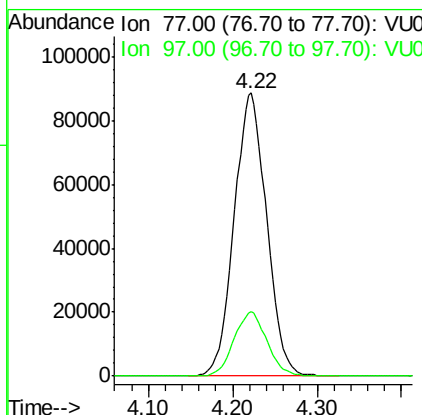
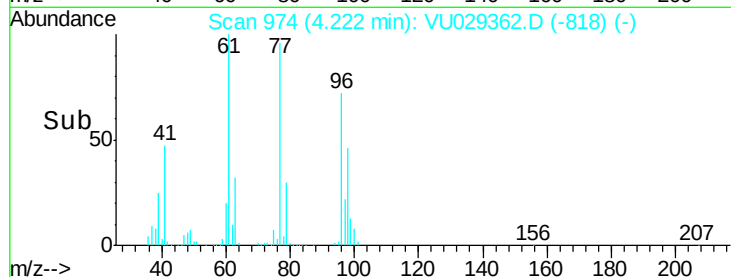
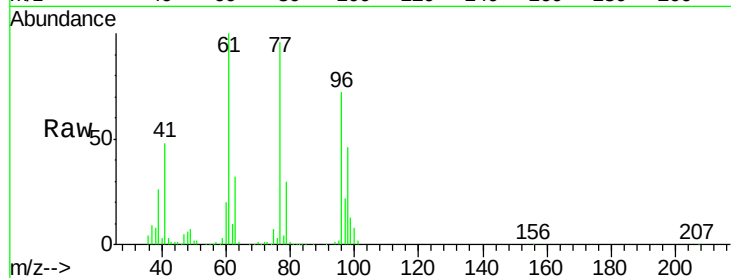
#21
 2,2-Dichloropropane
 Concen: 9.555 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

Tot Ion: 77 Resp: 237503
 Ion Ratio Lower Upper
 77 100
 97 22.7 15.6 23.4

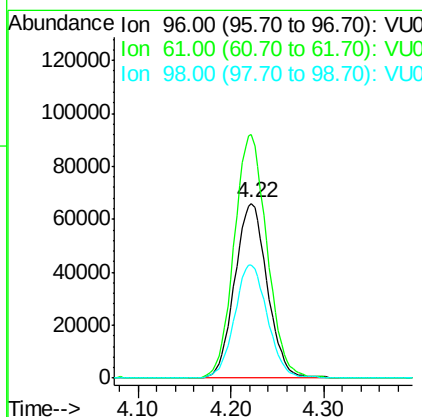
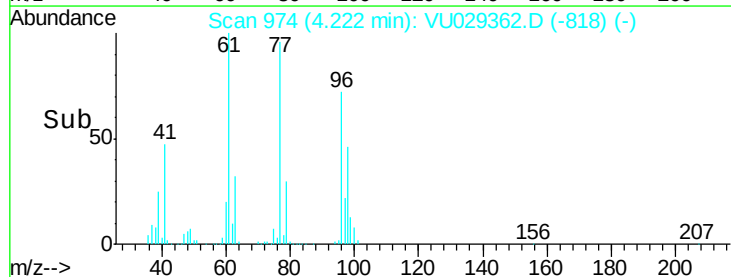
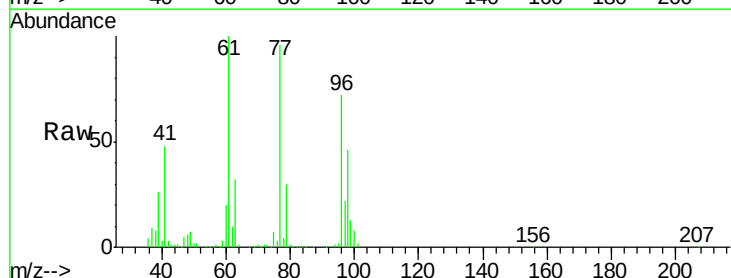
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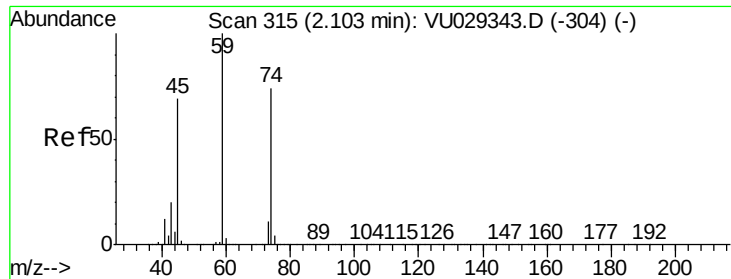
sam
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#22
 cis-1,2-Dichloroethene
 Concen: 10.085 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Tgt Ion: 96 Resp: 160984
 Ion Ratio Lower Upper
 96 100
 61 140.5 0.0 460.0
 98 65.8 32.6 97.7





#23

Diethyl Ether

Concen: 9.516 ug/l

RT: 2.10 min Scan# 315

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

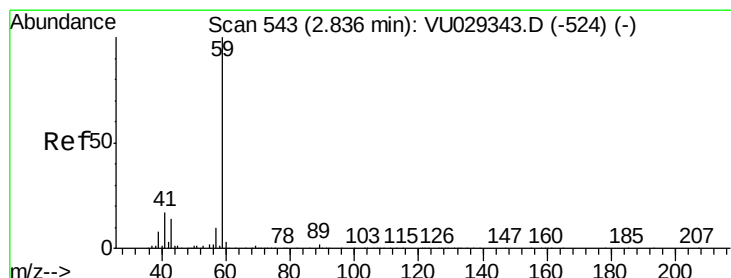
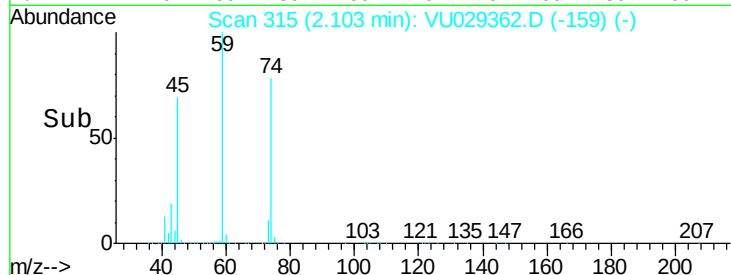
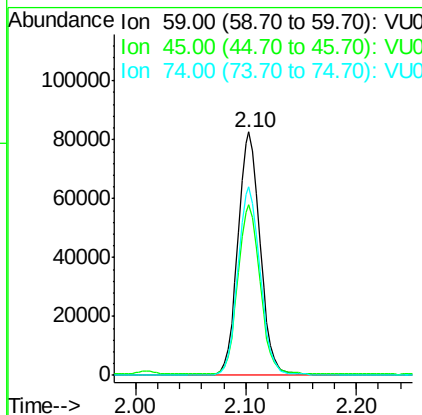
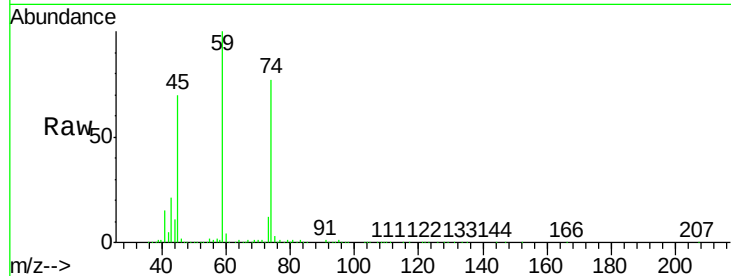
ClientSampleId :

VSTD01052

Tot Ion:	59	Resp:	115795
Ion Ratio	Lower	Upper	
59	100		
45	70.0	64.2	96.4
74	77.9	55.3	82.9

Manual Integrations
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#24

tert-Butyl Alcohol

Concen: 94.102 ug/l

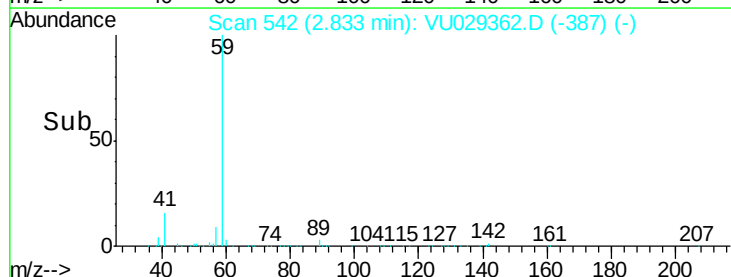
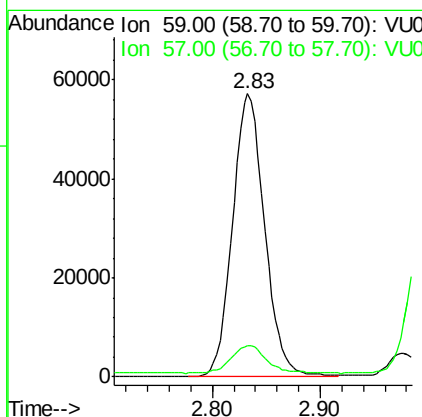
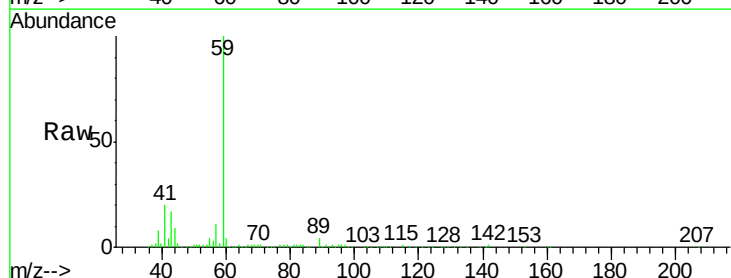
RT: 2.83 min Scan# 542

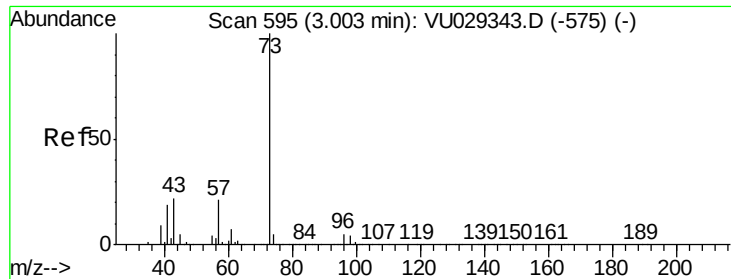
Delta R.T. -0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Tgt Ion:	59	Resp:	119002
Ion Ratio	Lower	Upper	
59	100		
57	10.3	8.8	13.2





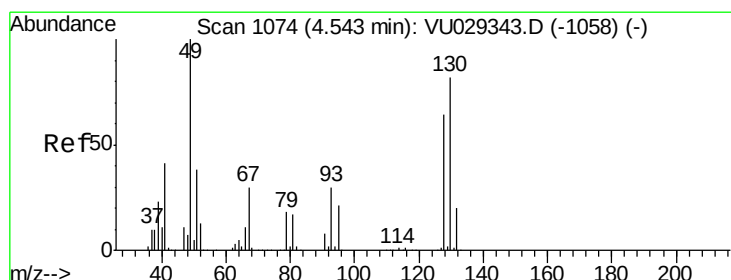
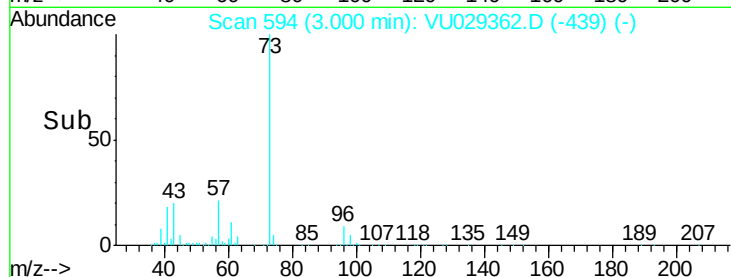
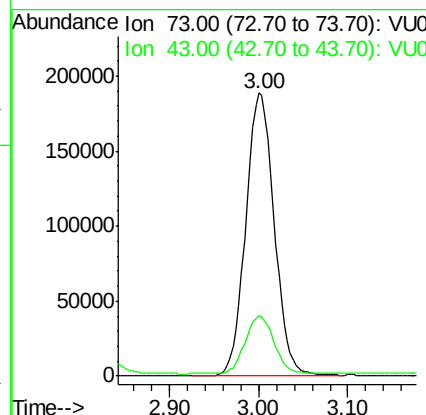
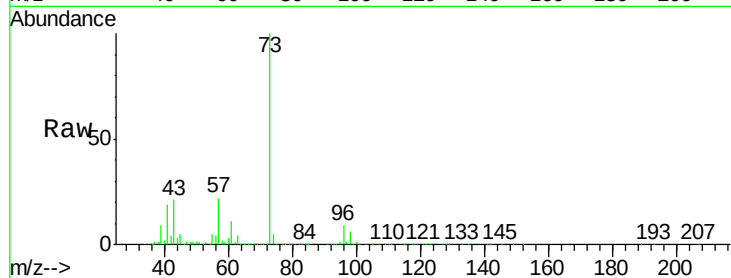
#25
Methyl tert-Butyl Ether
Concen: 9.772 ug/l
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

Tot Ion: 73 Resp: 416961
Ion Ratio Lower Upper
73 100
43 20.4 22.1 33.1#

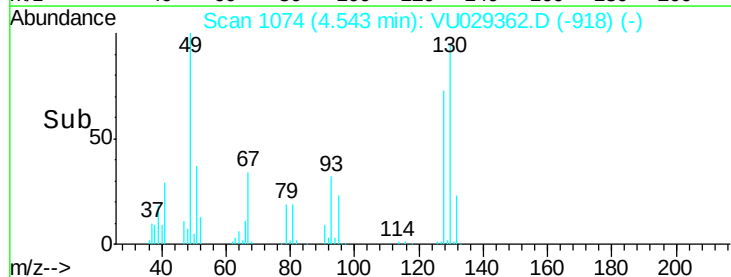
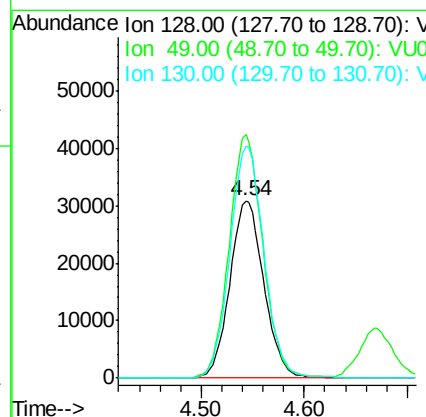
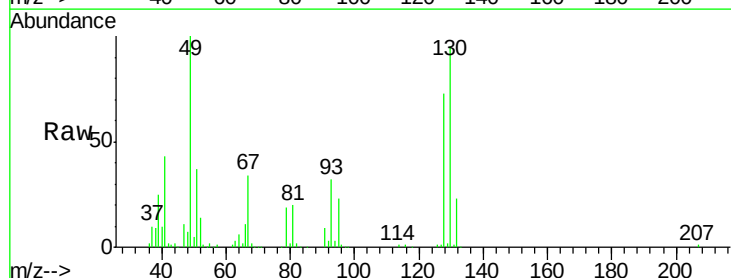
Manual Integrations
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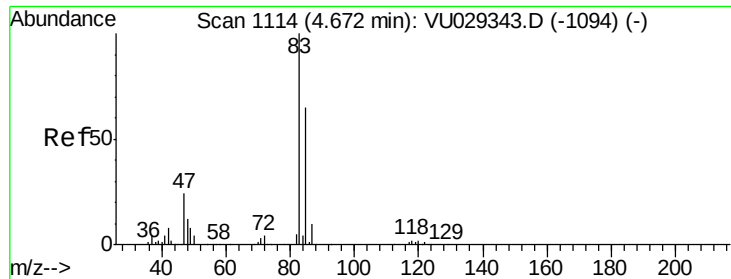
sam
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#26
Bromochloromethane
Concen: 10.047 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion: 128 Resp: 70844
Ion Ratio Lower Upper
128 100
49 135.7 0.0 401.6
130 130.5 108.0 162.0





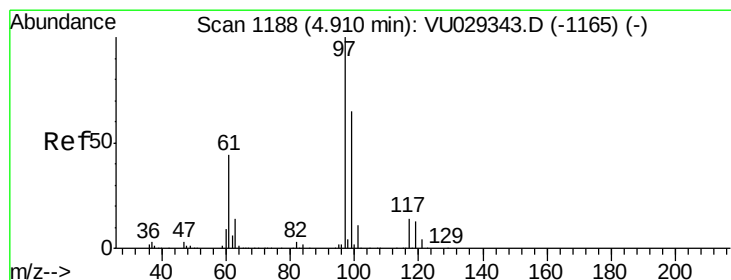
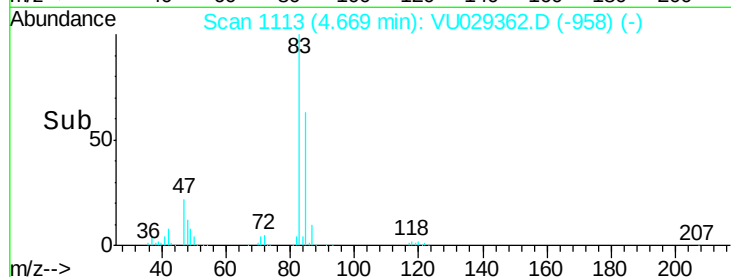
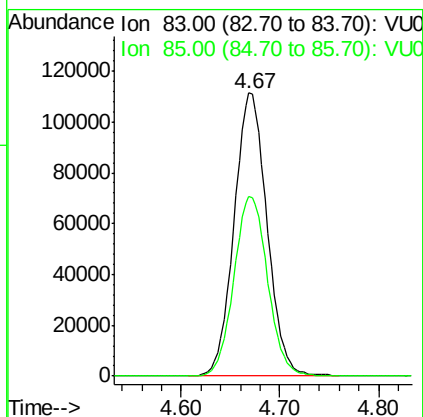
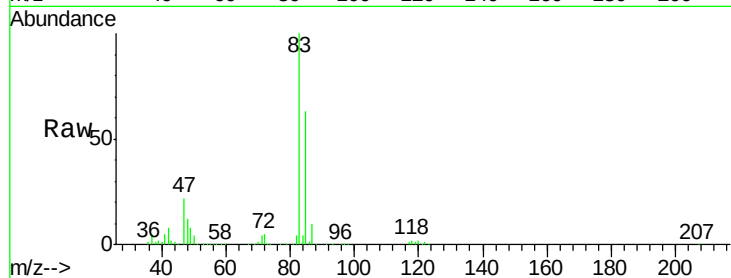
#27
Chloroform
Concen: 9.830 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

Tot Ion	83	Resp	256708
Ion Ratio	100	Lower	Upper
85	63.5	0.0	126.6

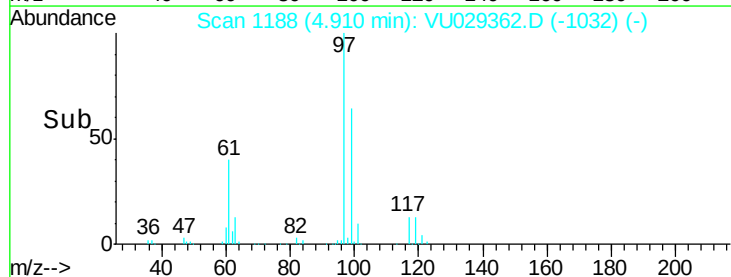
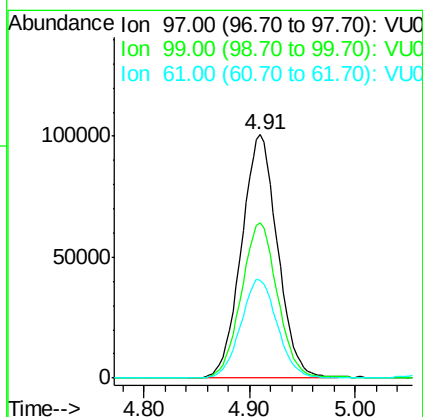
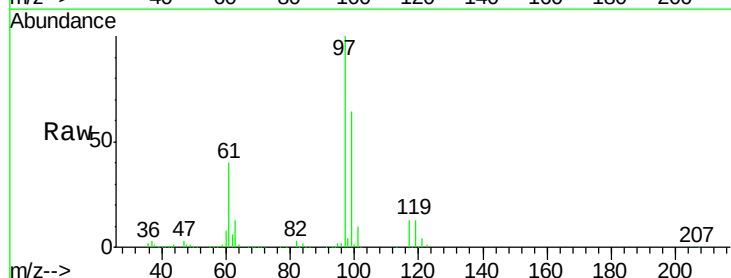
Manual Integrations
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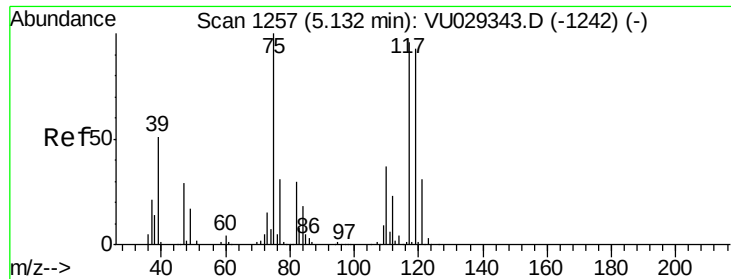
sam
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#28
1,1,1-Trichloroethane
Concen: 9.895 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion	97	Resp	239523
Ion Ratio	100	Lower	Upper
99	64.3	32.4	97.2
61	41.0	24.4	73.2





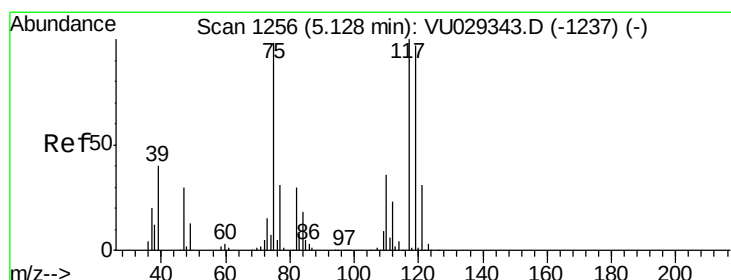
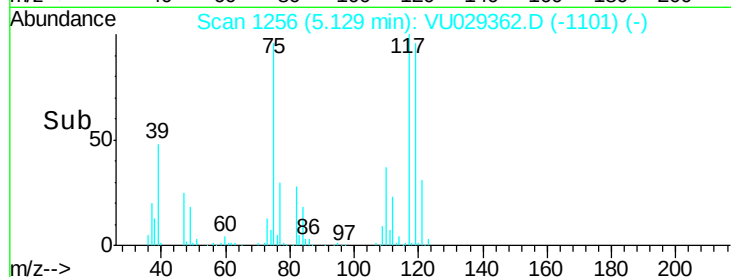
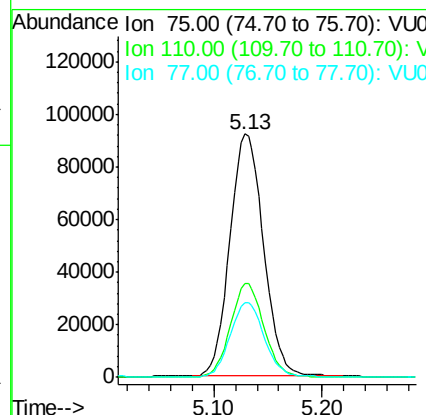
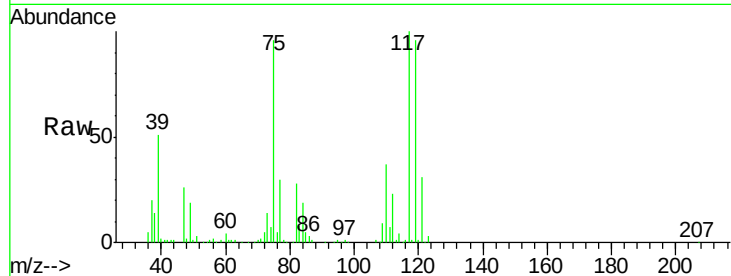
#29
 1,1-Dichloropropene
 Concen: 9.533 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.7	15.4	46.2	
77	31.1	24.1	36.1	

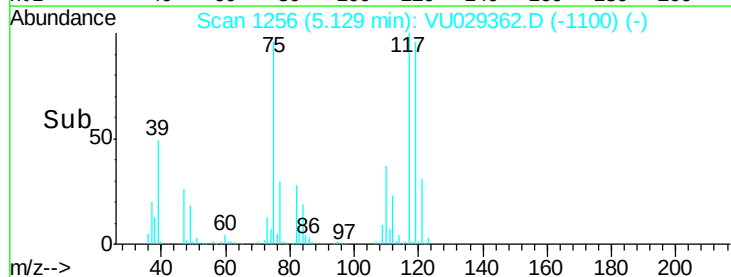
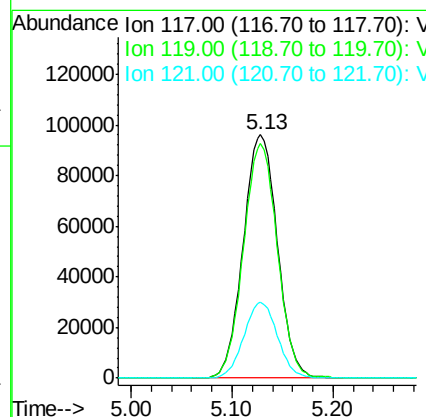
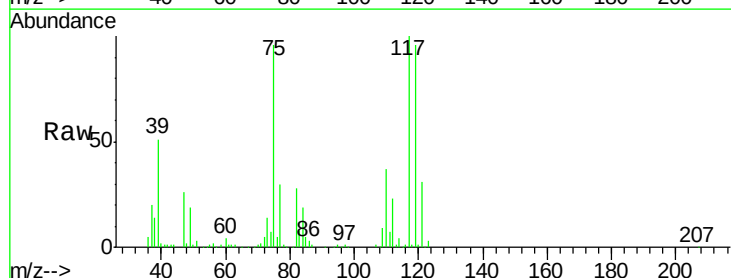
Manual Integrations
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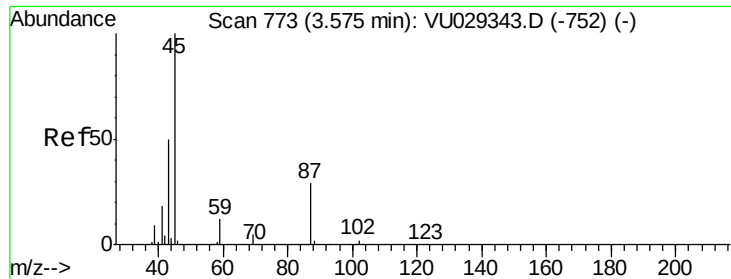
sam
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#30
 Carbon Tetrachloride
 Concen: 10.287 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.3	76.8	115.2	
121	30.9	24.4	36.6	





#31

Isopropyl Ether

Concen: 9.166 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

Tot Ion: 45 Resp: 371409

Ion Ratio Lower Upper

45 100

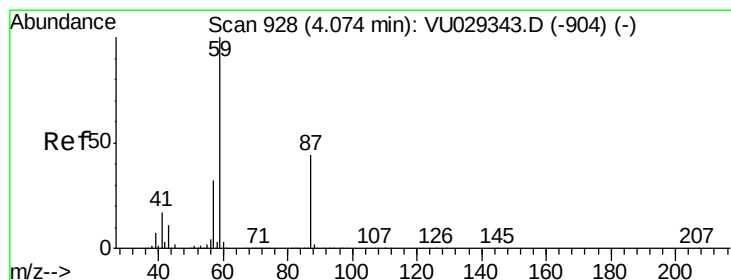
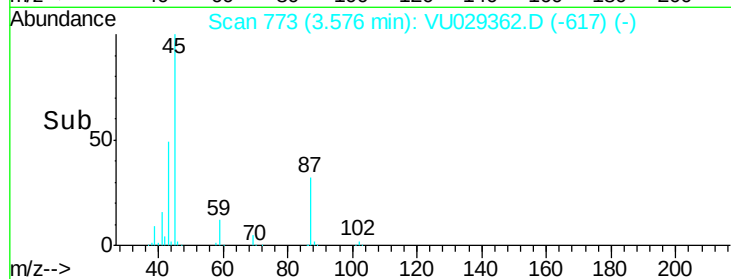
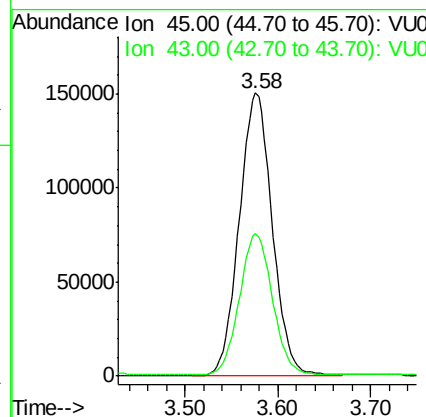
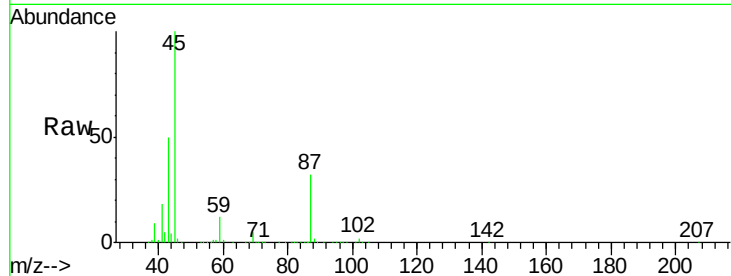
43 50.0 28.4 85.3

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 9.394 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU029362.D

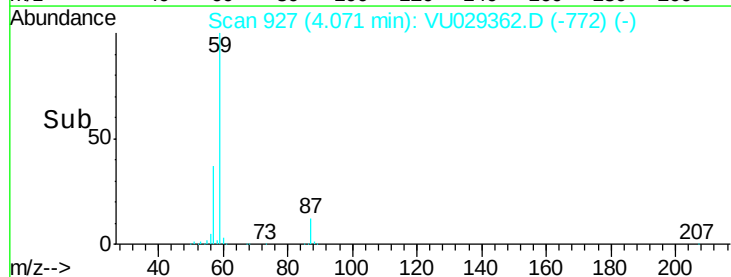
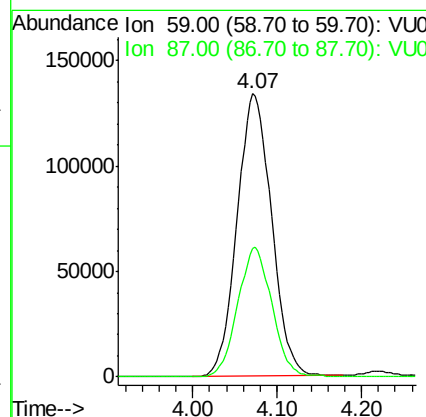
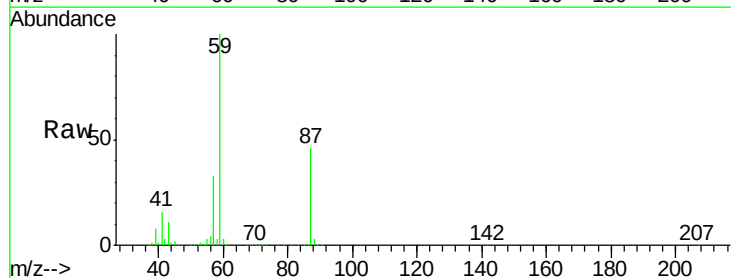
Acq: 06 Feb 2019 15:13

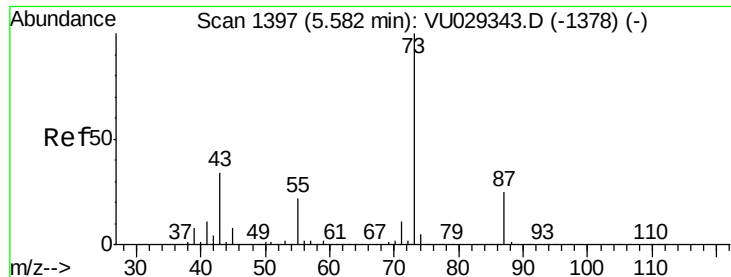
Tgt Ion: 59 Resp: 381456

Ion Ratio Lower Upper

59 100

87 45.2 31.1 46.7





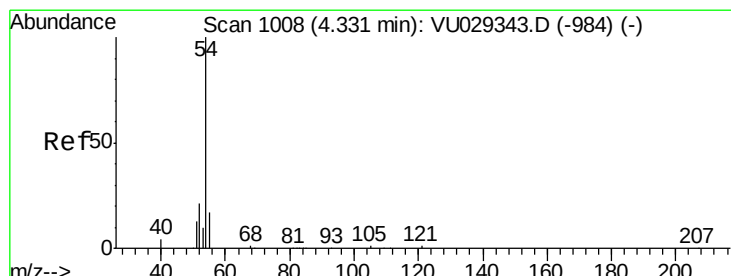
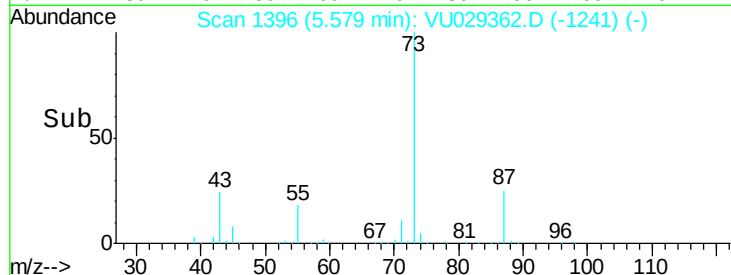
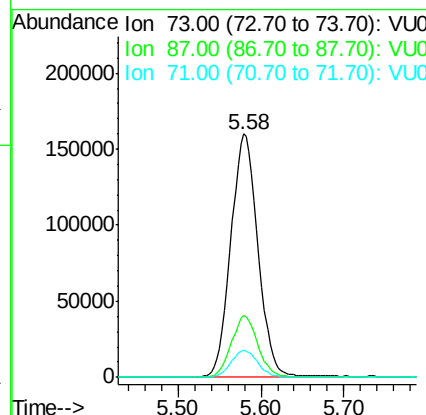
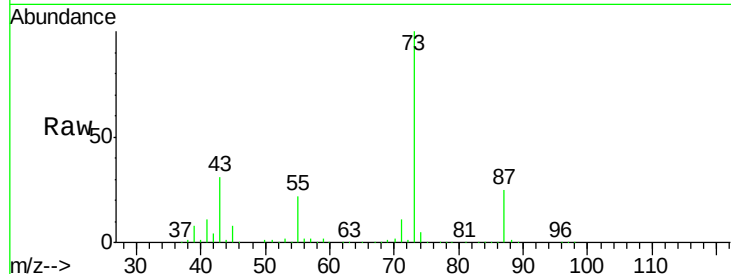
#33
Tert-Amvl methvl ether
Concen: 9.835 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.7	19.4	29.0
71	10.8	9.0	13.4

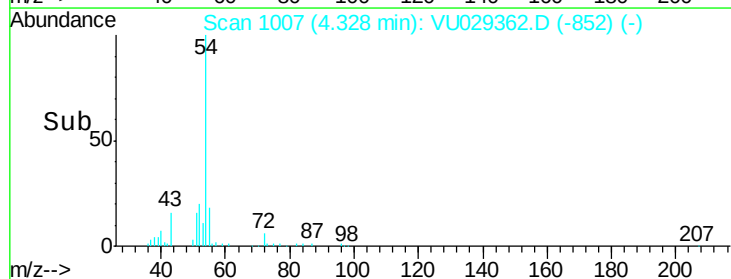
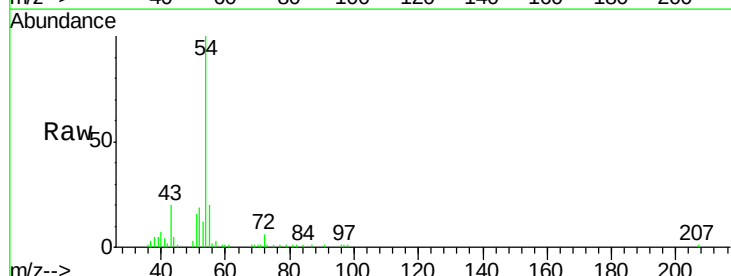
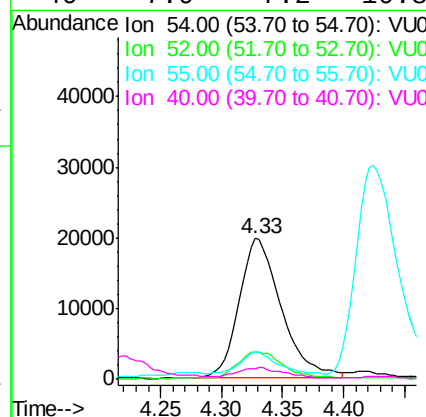
Manual Integrations
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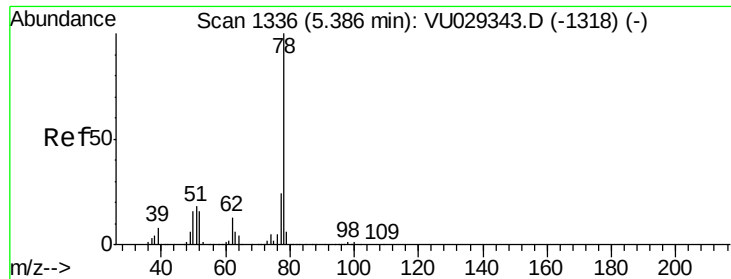
sam
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#34
Propionitrile
Concen: 48.924 ug/l
RT: 4.33 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.4	18.9	28.3
55	14.1	15.1	22.7#
40	7.9	7.2	10.8





#35

Benzene

Concen: 9.722 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

Tot Ion: 78 Resp: 564915

Ion Ratio Lower Upper

78 100

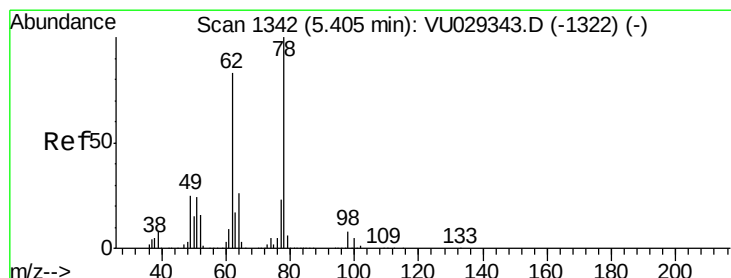
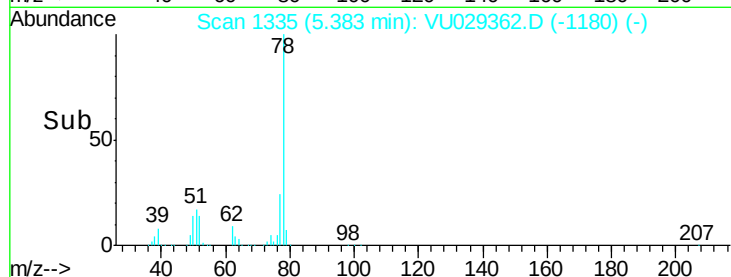
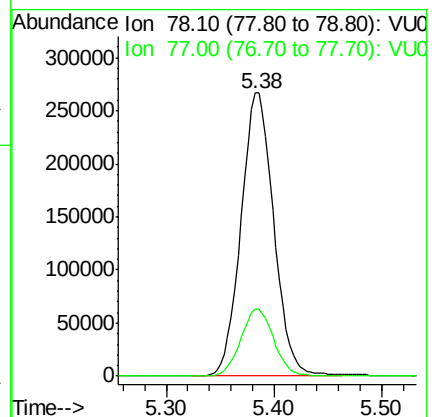
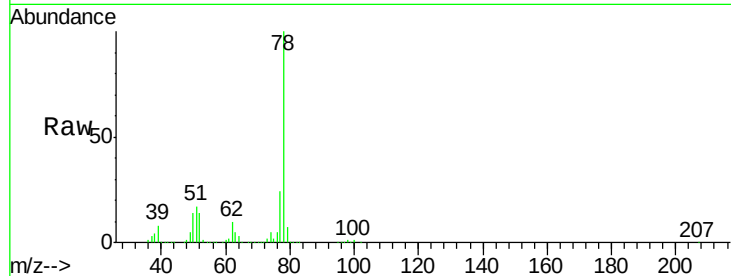
77 23.5 19.8 29.8

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#36

1,2-Dichloroethane

Concen: 9.403 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029362.D

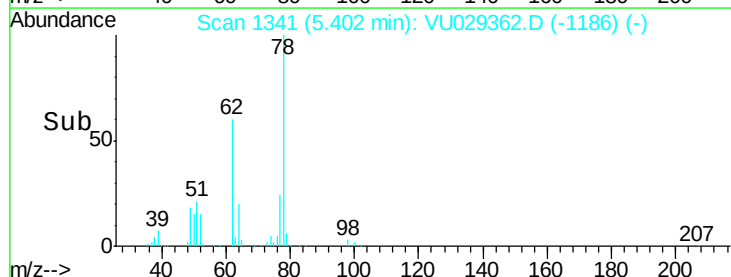
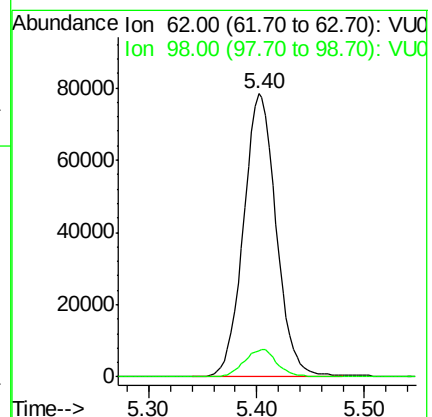
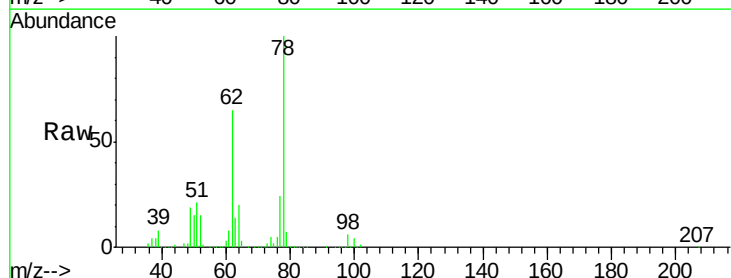
Acq: 06 Feb 2019 15:13

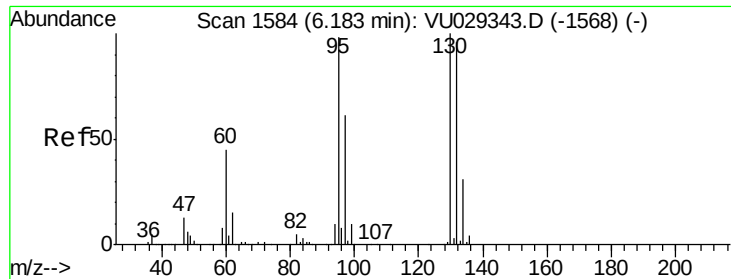
Tgt Ion: 62 Resp: 165271

Ion Ratio Lower Upper

62 100

98 9.8 4.9 7.3#





#37

Trichloroethene

Concen: 10.558 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

Tot Ion:130 Resp: 176060

Ion Ratio Lower Upper

130 100

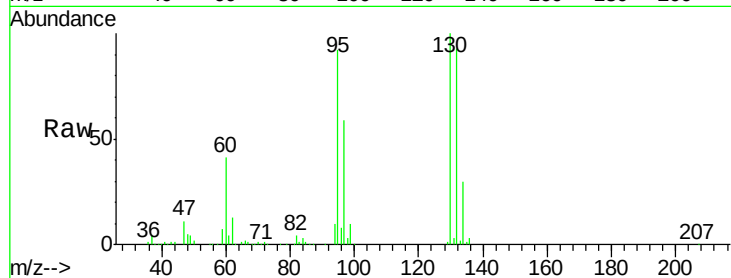
95 91.8 85.4 128.0

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VU029343.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU029343.D (-1568) (-)

6.18

100000

80000

60000

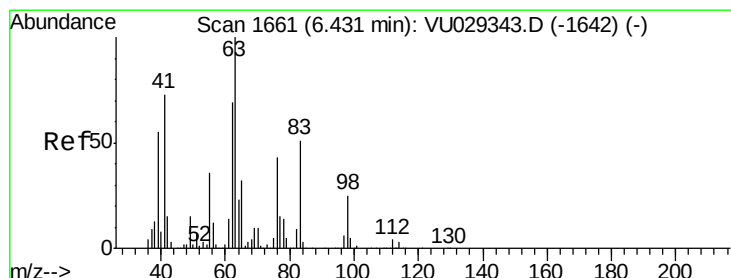
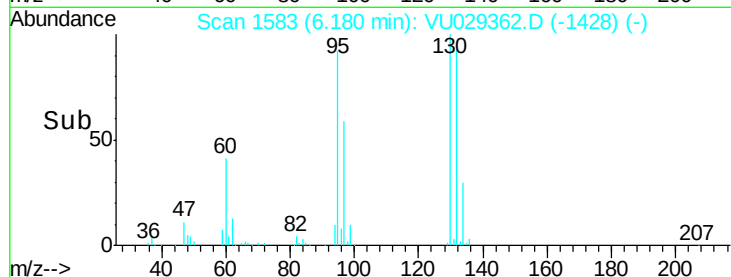
40000

20000

0

6.10 6.20 6.30

Time-->



#38

1,2-Dichloropropane

Concen: 9.487 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029362.D

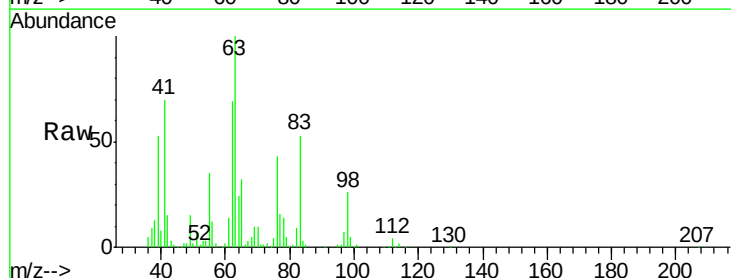
Acq: 06 Feb 2019 15:13

Tgt Ion: 63 Resp: 143412

Ion Ratio Lower Upper

63 100

65 32.3 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU029343.D (-1642) (-)

Ion 65.00 (64.70 to 65.70): VU029343.D (-1642) (-)

6.43

80000

60000

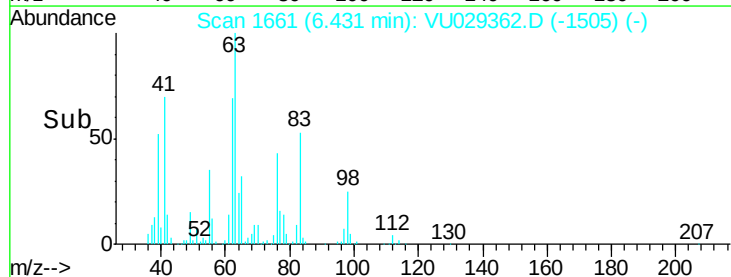
40000

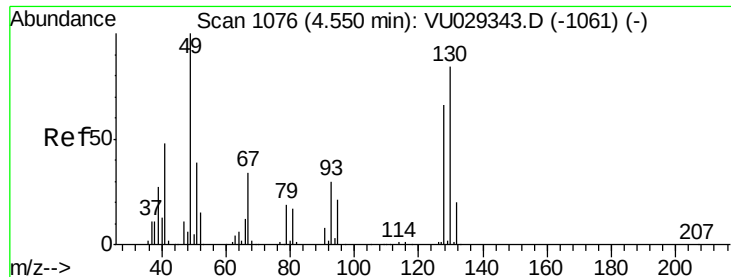
20000

0

6.35 6.40 6.45 6.50

Time-->





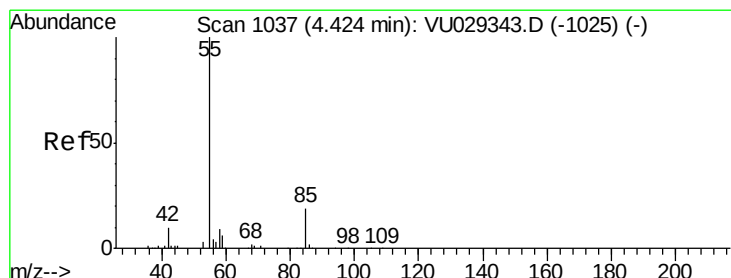
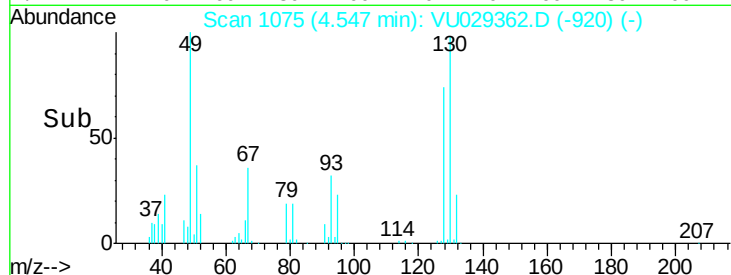
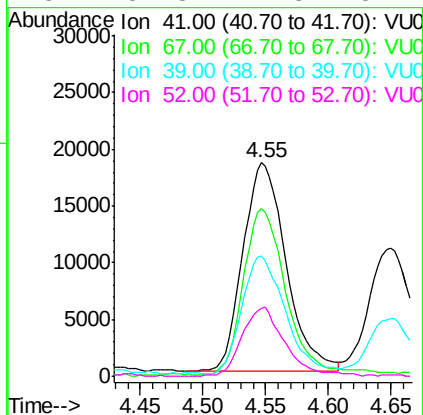
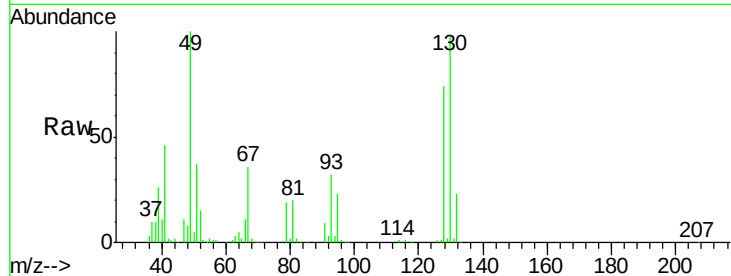
#39
Methacrylonitrile
Concen: 8.996 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

Tot Ion	41	Resp	44304
Ion	Ratio	Lower	Upper
41	100		
67	78.9	50.1	75.1#
39	56.4	47.9	71.9
52	31.8	24.8	37.2

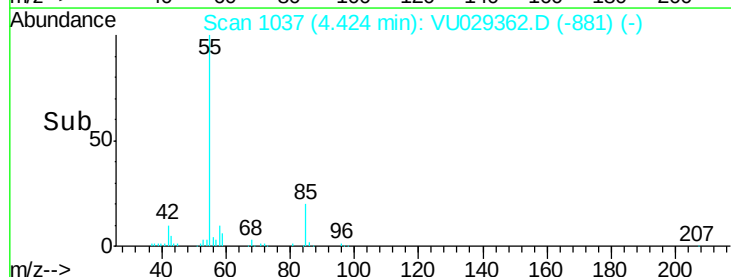
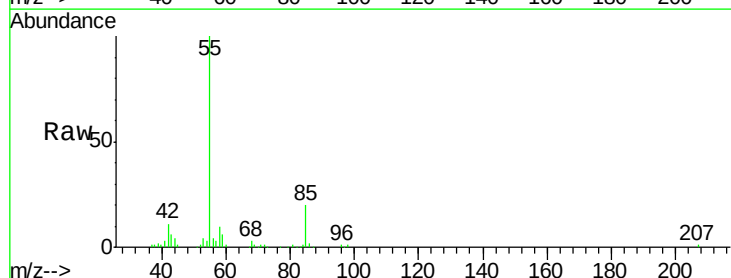
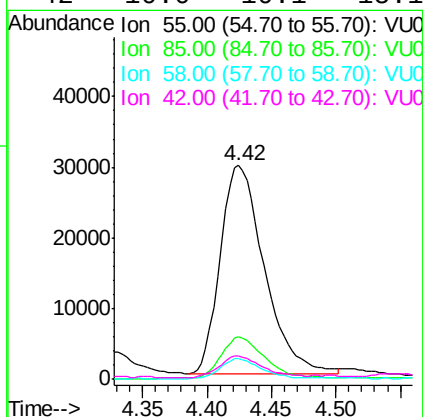
Manual Integrations
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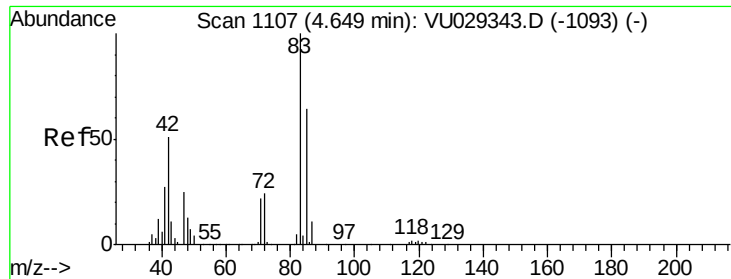
sam
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#40
Methyl acrylate
Concen: 9.459 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion	55	Resp	70316
Ion	Ratio	Lower	Upper
55	100		
85	19.2	11.3	16.9#
58	9.1	6.2	9.4
42	10.0	10.1	15.1#





#41

Tetrahydrofuran

Concen: 17.461 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

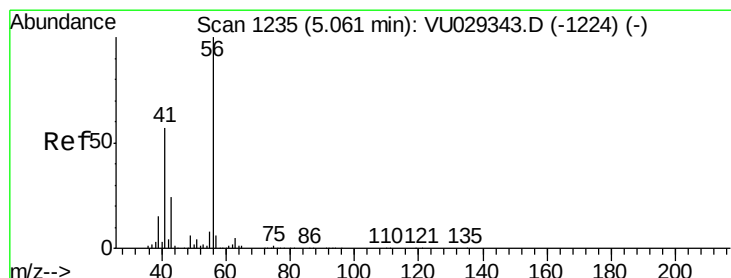
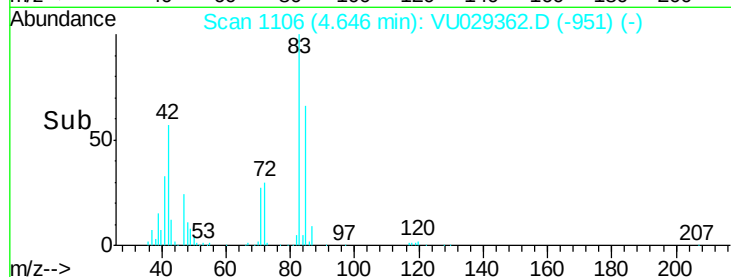
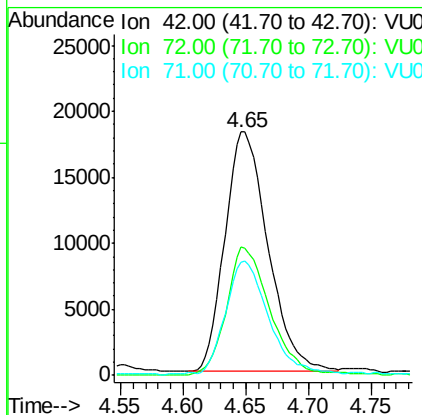
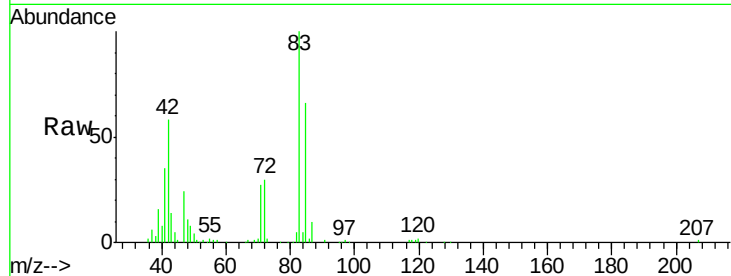
ClientSampleId :

VSTD01052

Tot Ion:	42	Resp:	43315
Ion Ratio	Lower	Upper	
42	100		
72	53.8	33.1	49.7#
71	48.8	30.2	45.2#

Manual Integrations
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#42

1-Chlorobutane

Concen: 9.271 ug/l

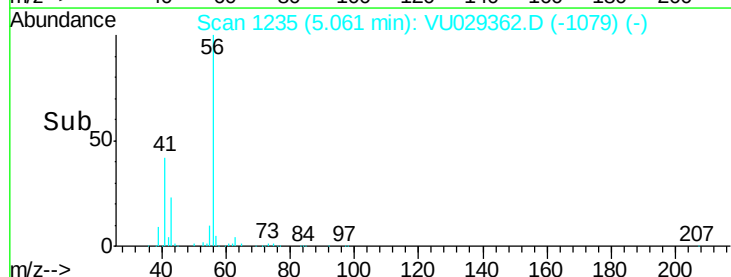
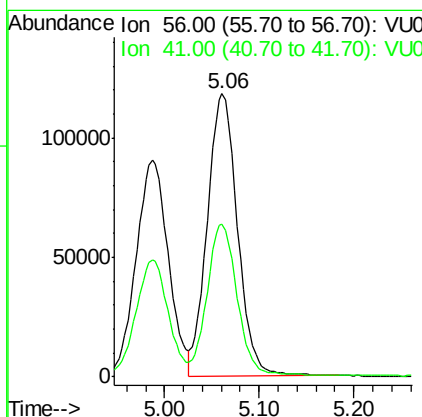
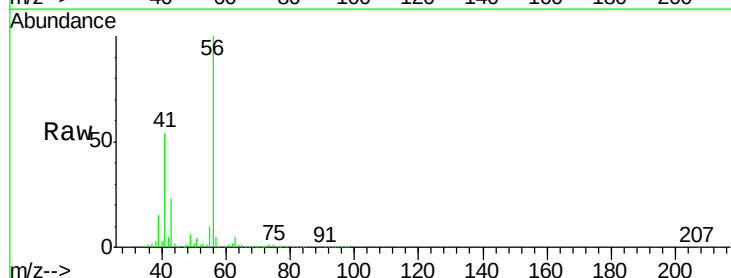
RT: 5.06 min Scan# 1235

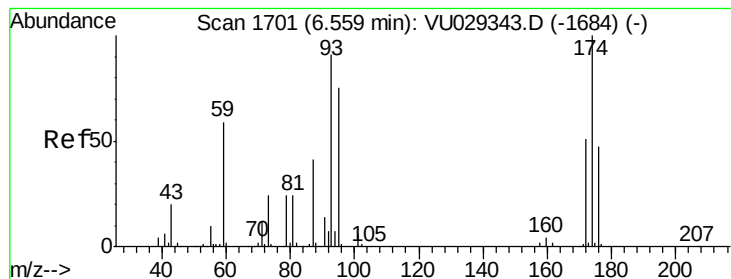
Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Tgt Ion:	56	Resp:	261026
Ion Ratio	Lower	Upper	
56	100		
41	52.1	31.3	93.8





#43

Dibromomethane

Concen: 9.577 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

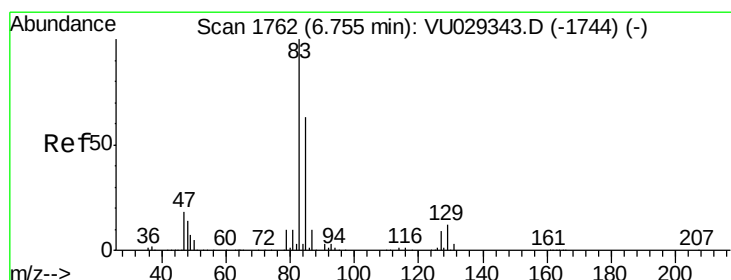
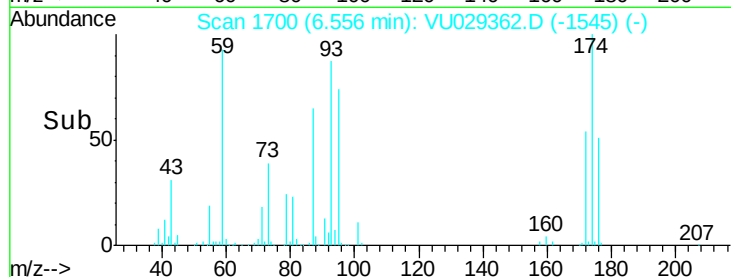
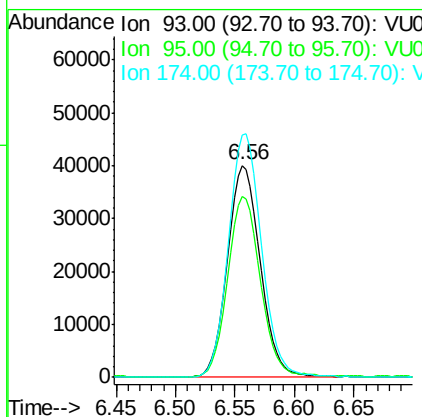
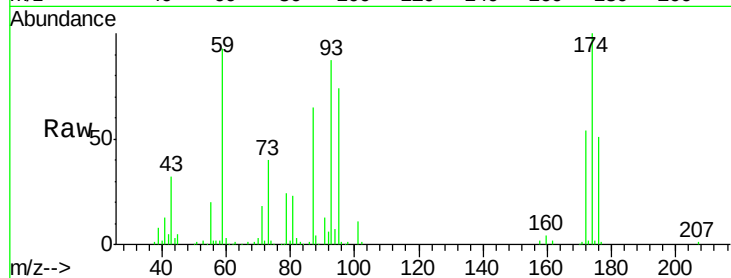
ClientSampleId :

VSTD01052

Tot Ion:	93	Resp:	77147
Ion	Ratio	Lower	Upper
93	100		
95	86.3	68.2	102.2
174	116.0	77.6	116.4

Manual Integrations
APPROVED

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#44

Bromodichloromethane

Concen: 9.685 ug/l

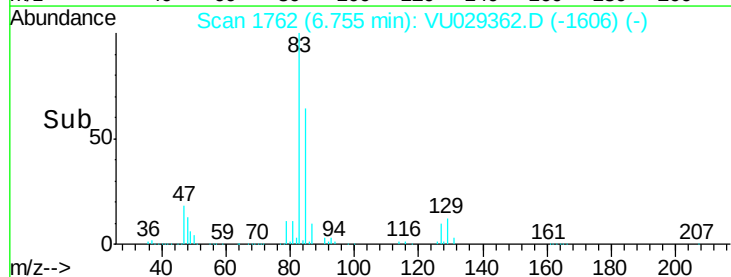
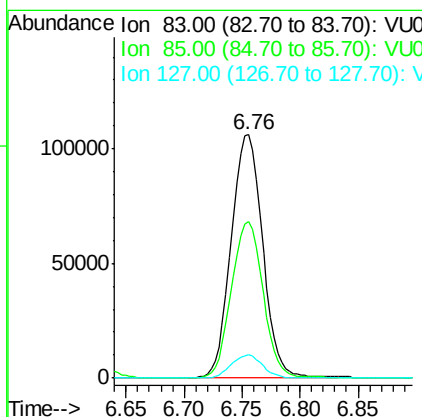
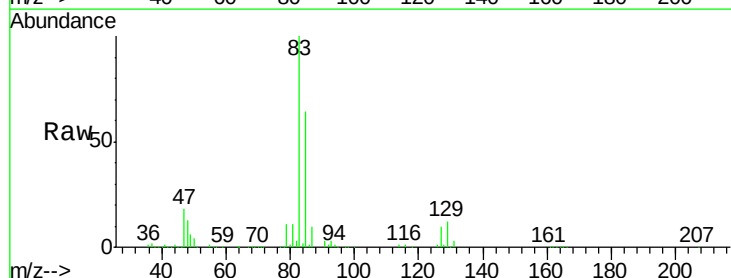
RT: 6.76 min Scan# 1762

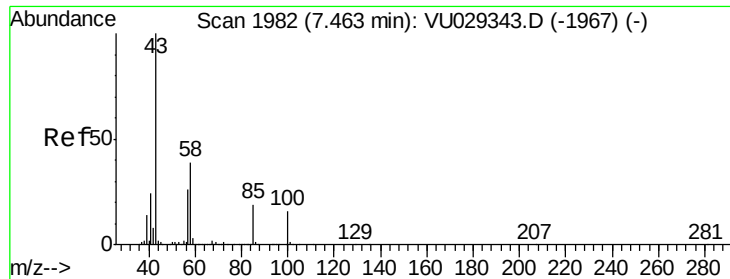
Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Tgt Ion:	83	Resp:	198795
Ion	Ratio	Lower	Upper
83	100		
85	64.4	49.2	73.8
127	9.6	7.0	10.6





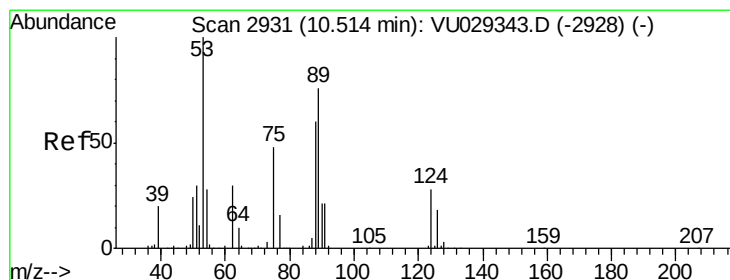
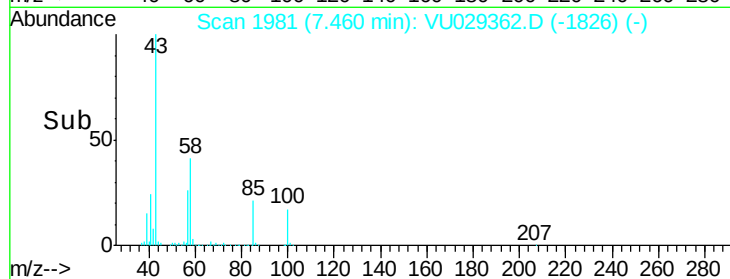
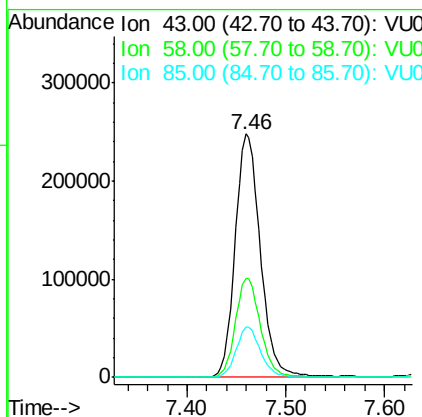
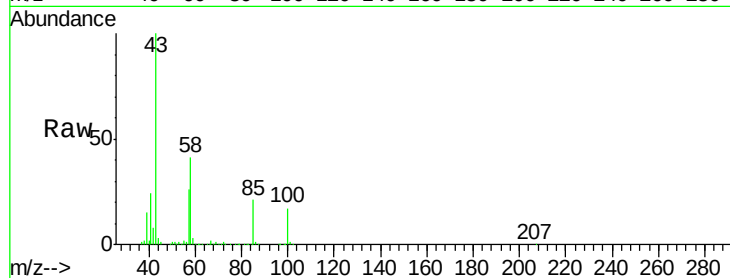
#45
4-Methyl-2-Pentanone
Concen: 46.356 ug/l
RT: 7.46 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.7	17.6	52.8
85	20.2	12.3	18.5

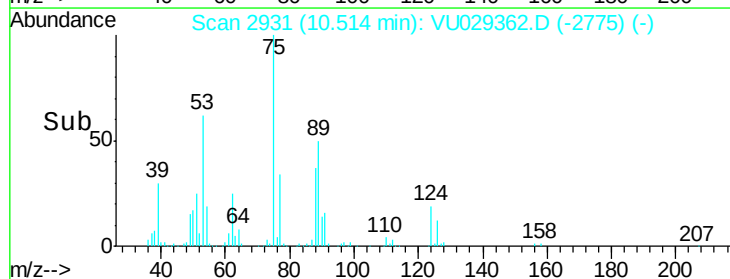
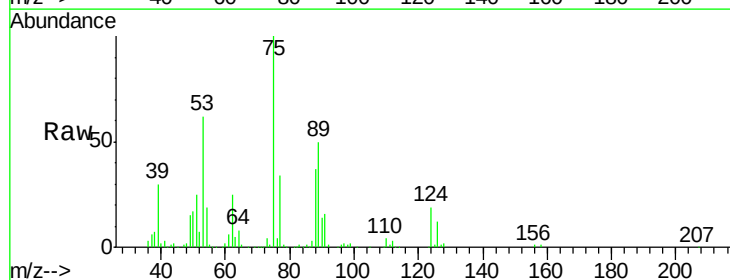
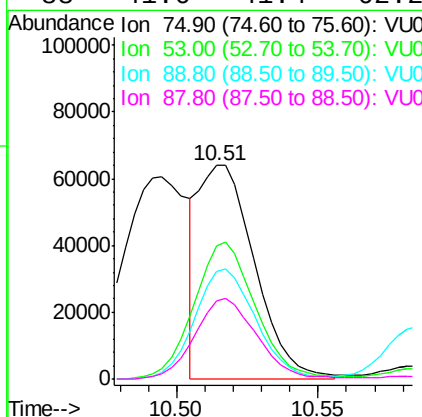
Manual Integrations
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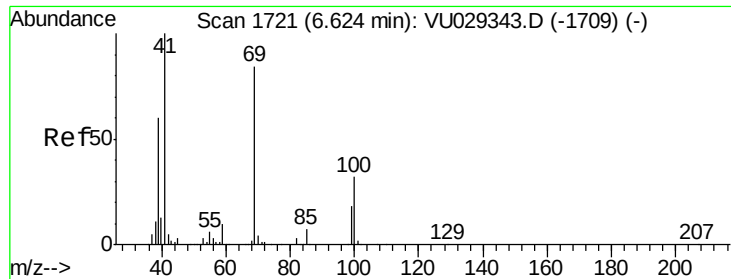
sam
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#46
t-1,4-Dichloro-2-butene
Concen: 19.166 ug/l m
RT: 10.51 min Scan# 2931
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion	Ratio	Lower	Upper
75	100		
53	70.5	78.2	117.4
89	56.1	44.2	66.4
88	41.6	41.4	62.2





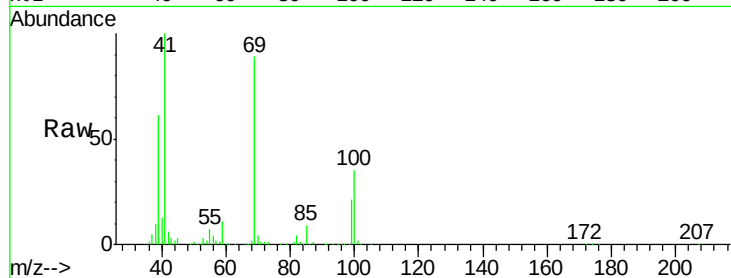
#47
Methvl methacrylate
Concen: 20.012 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

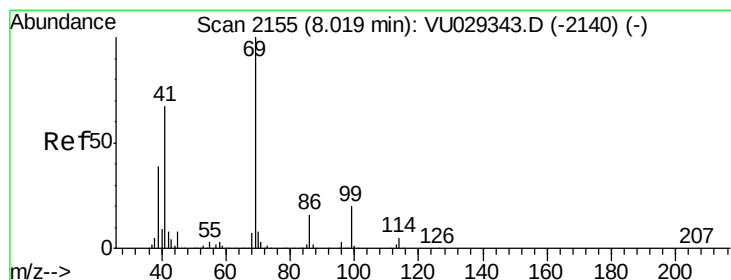
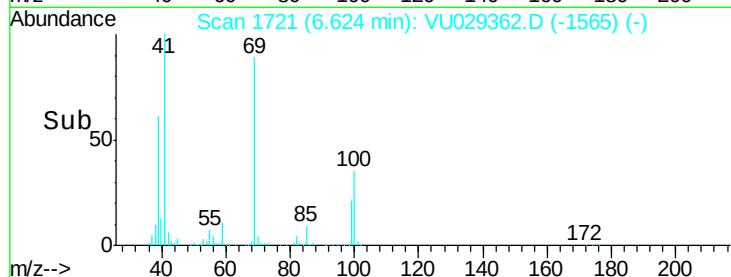
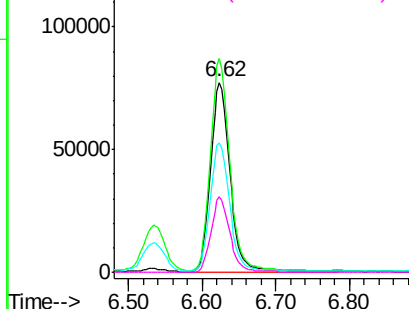
Tot Ion	Ratio	Resp	Lower	Upper
69	100			
41	110.8	0.0	296.2	
39	67.9	71.2	106.8	
100	38.4	28.6	42.8	

Manual Integrations
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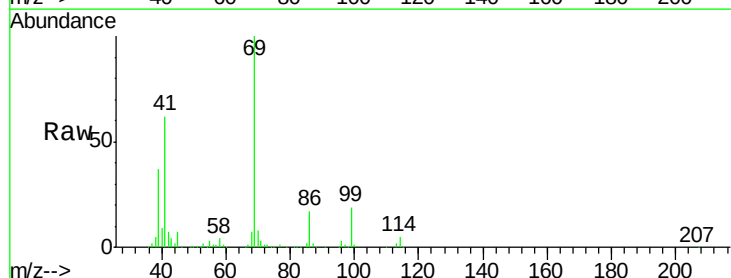


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

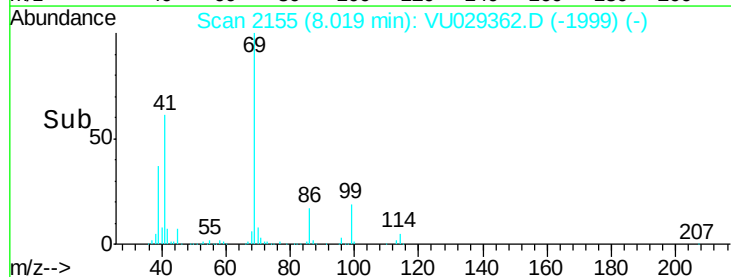
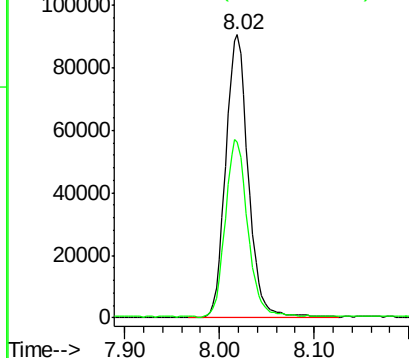


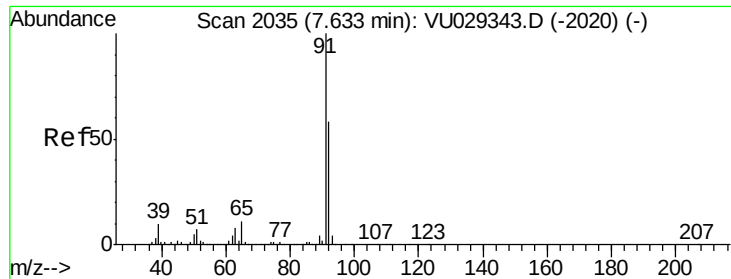
#48
Ethyl methacrylate
Concen: 9.954 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
69	100			
41	61.8	39.9	119.7	



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





#49

Toluene

Concen: 9.989 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

Tot Ion: 92 Resp: 371427

Ion Ratio Lower Upper

92 100

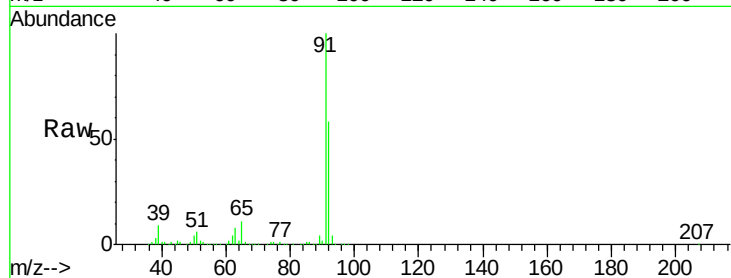
91 172.8 140.7 211.1

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

400000

300000

200000

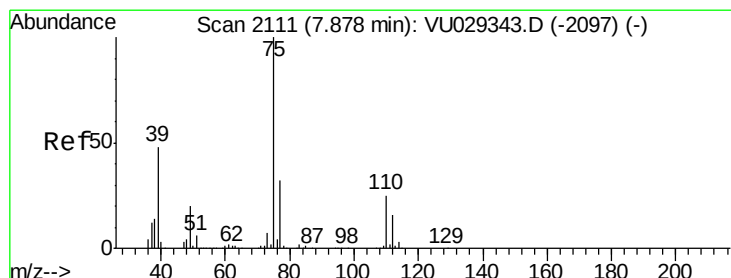
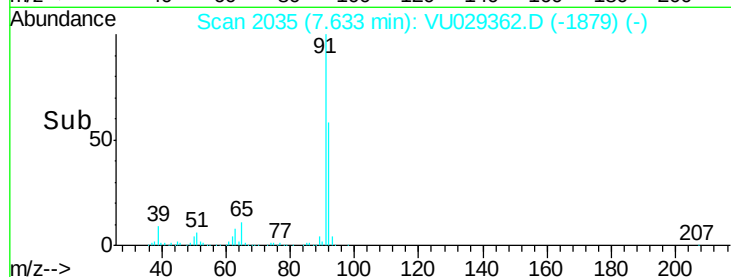
100000

0

7.63

7.50 7.60 7.70 7.80

Time-->



#50

t-1,3-Dichloropropene

Concen: 9.702 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029362.D

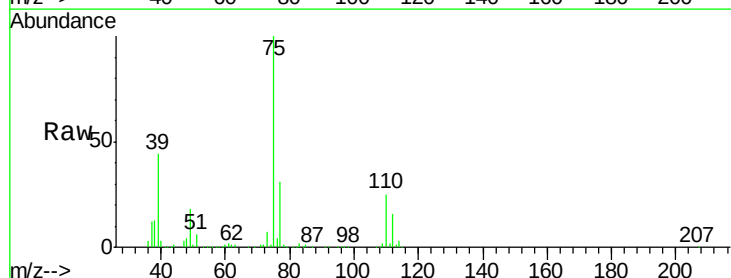
Acq: 06 Feb 2019 15:13

Tgt Ion: 75 Resp: 195216

Ion Ratio Lower Upper

75 100

77 31.1 23.6 35.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

100000

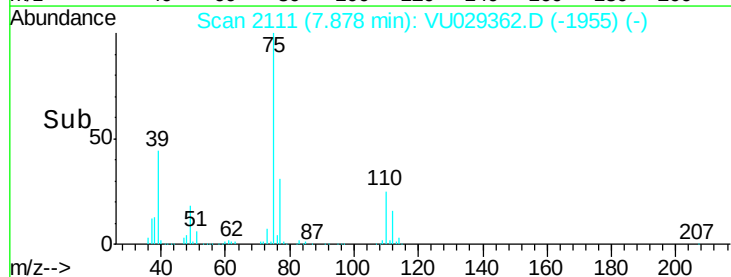
50000

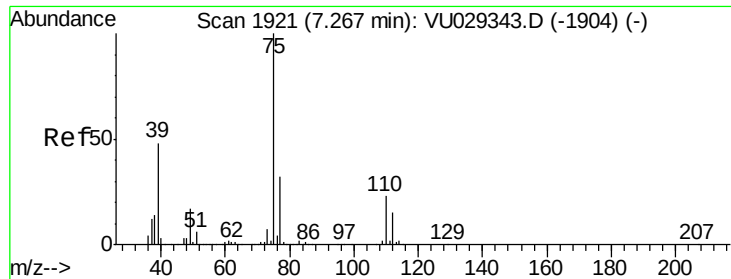
0

7.88

7.80 7.90 8.00

Time-->





#51

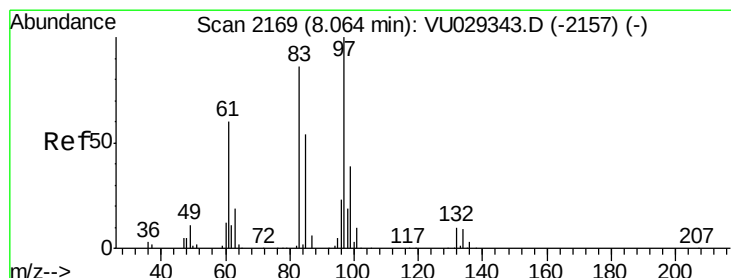
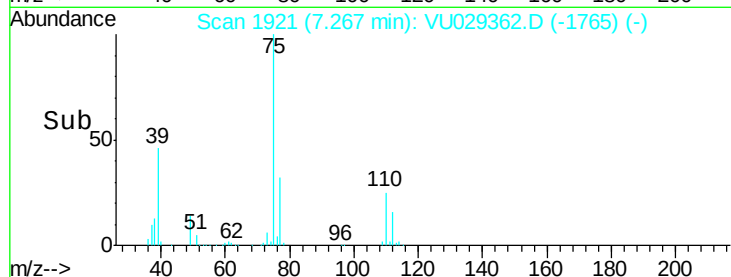
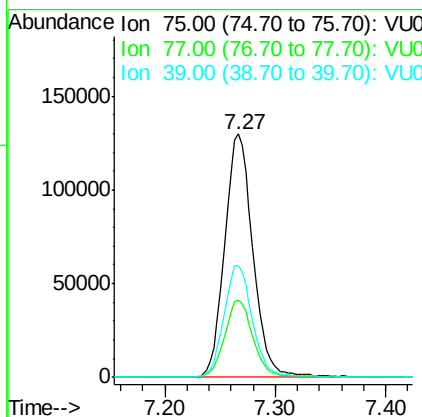
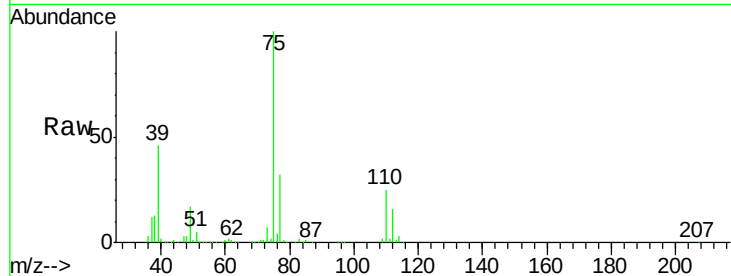
cis-1,3-Dichloropropene
 Concen: 9.640 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3
39	45.9	47.2	70.8#

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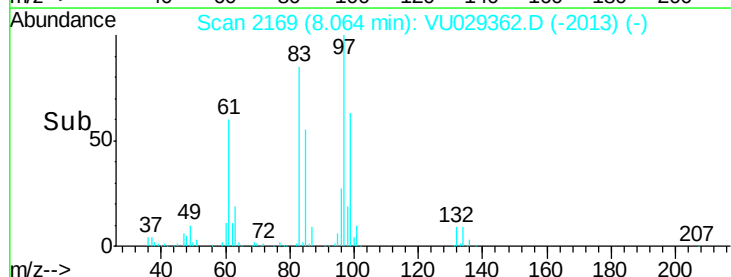
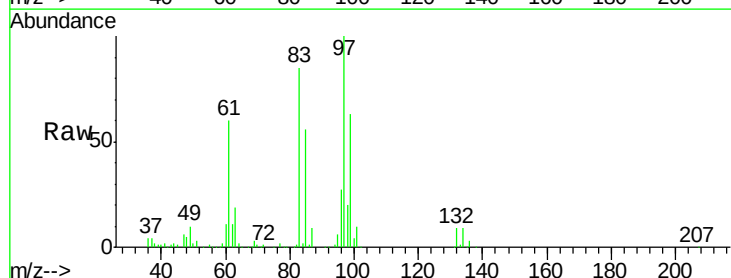
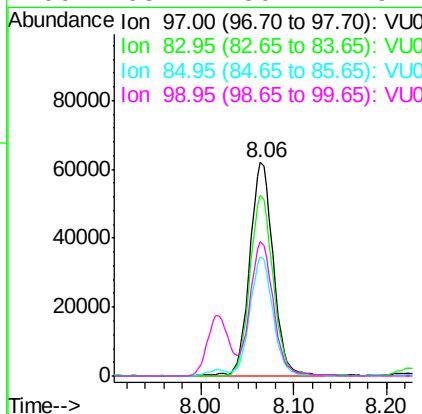
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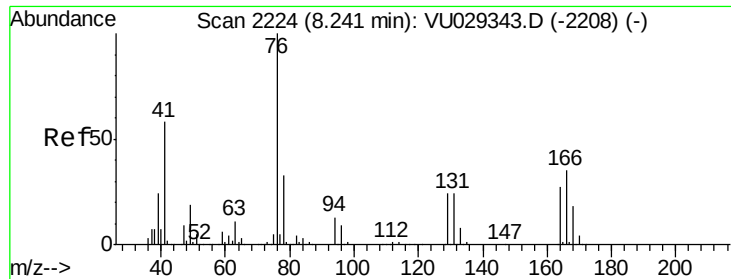


#52

1,1,2-Trichloroethane
 Concen: 10.165 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.9	104.9
85	55.6	45.8	68.6
99	63.1	50.2	75.2





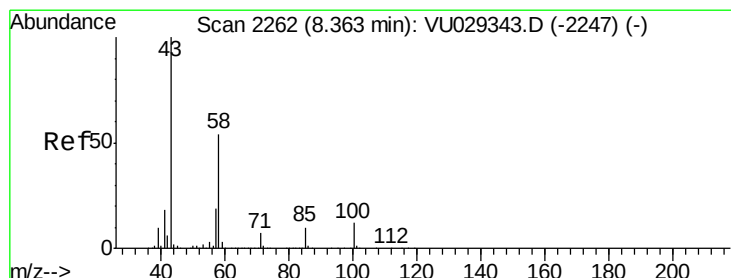
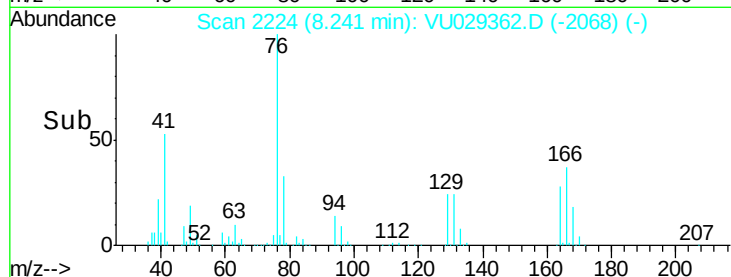
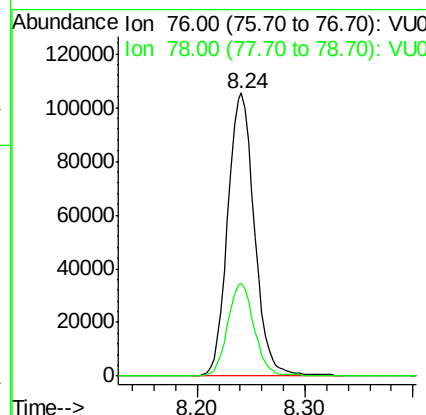
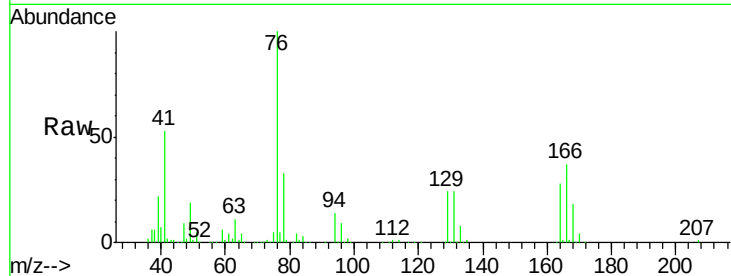
#53
 1,3-Dichloropropane
 Concen: 9.734 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5

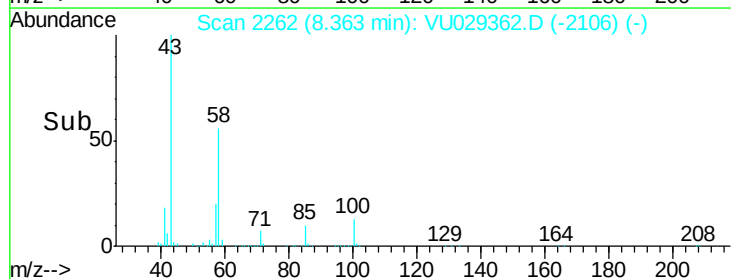
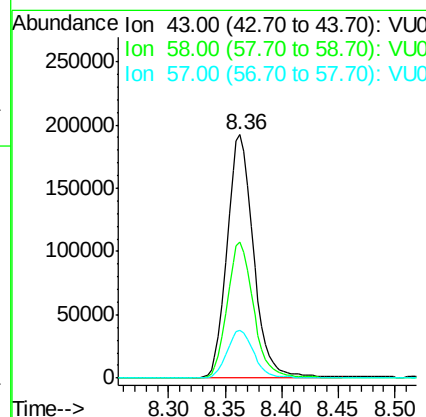
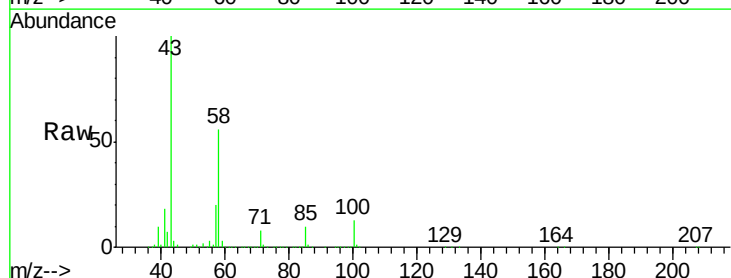
Manual Integrations
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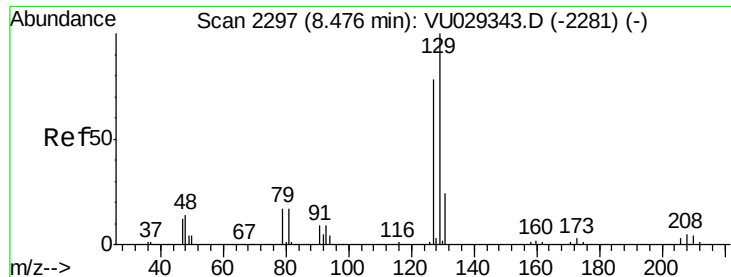
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#54
 2-Hexanone
 Concen: 47.044 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.4	26.0	66.0
57	20.0	0.0	37.7





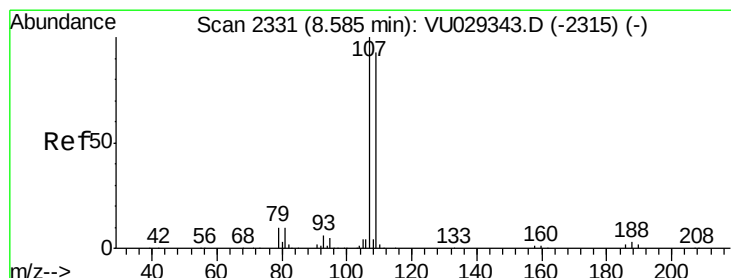
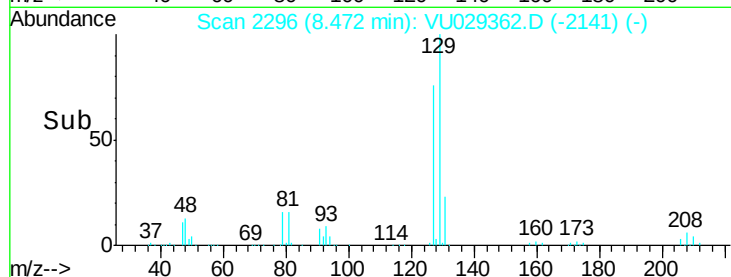
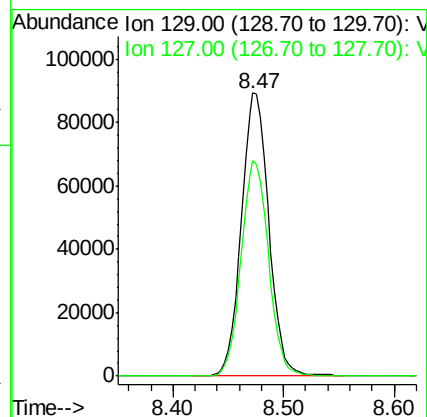
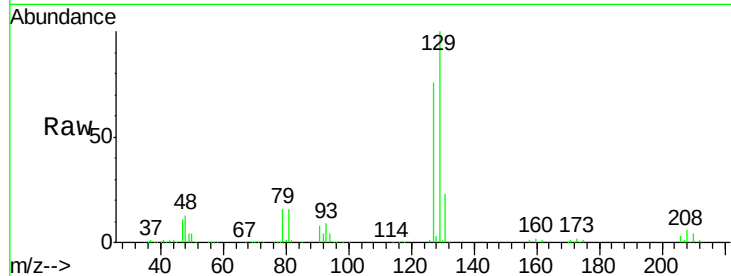
#55
 Dibromochloromethane
 Concen: 10.155 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.2	60.5	90.7

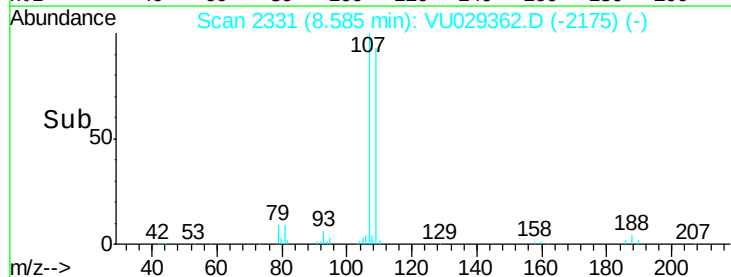
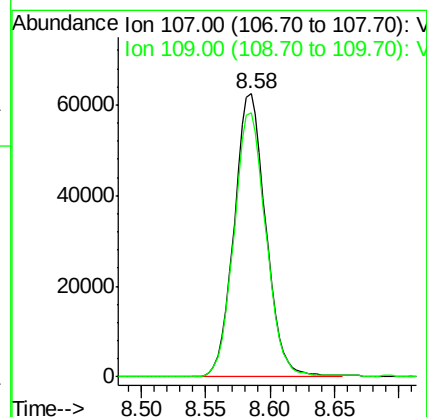
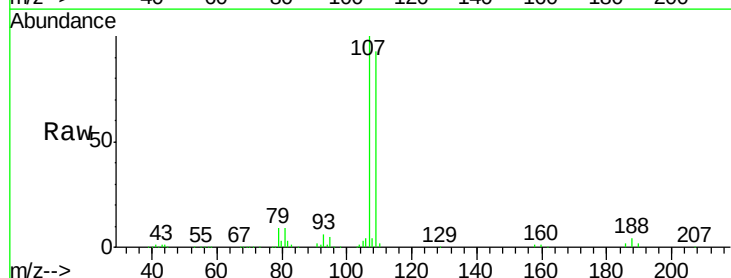
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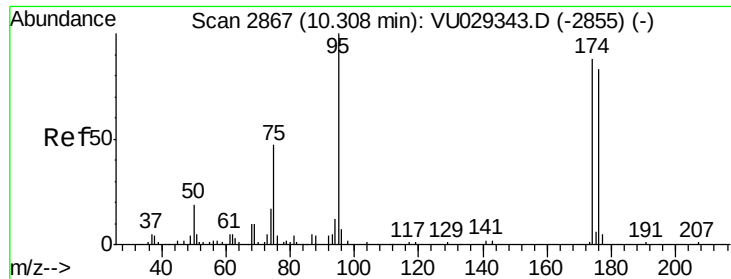
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#56
 1,2-Dibromoethane
 Concen: 9.749 ug/l
 RT: 8.58 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	0.0	189.6





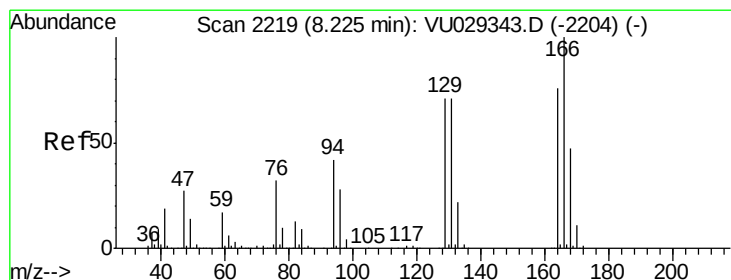
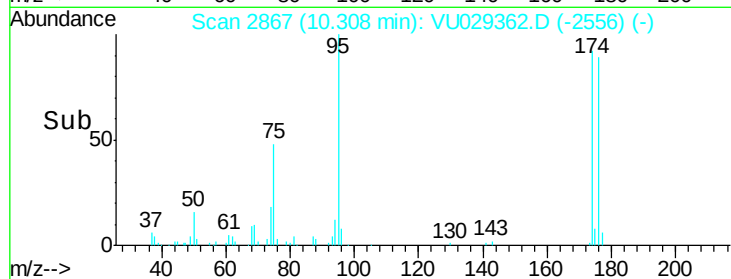
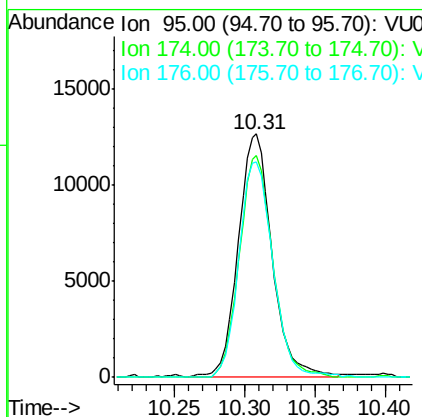
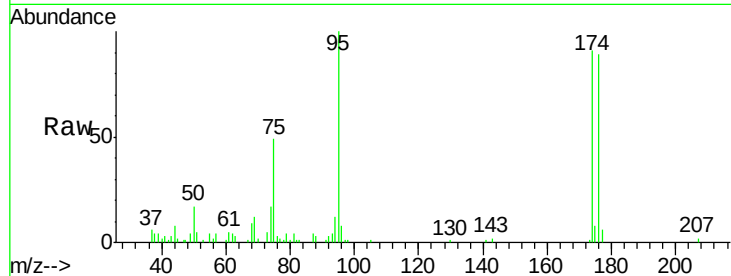
#57
4-Bromofluorobenzene
Concen: 9.749 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

Tot Ion	Ratio	Lower	Upper
95	100		
174	89.8	64.2	96.2
176	88.7	62.3	93.5

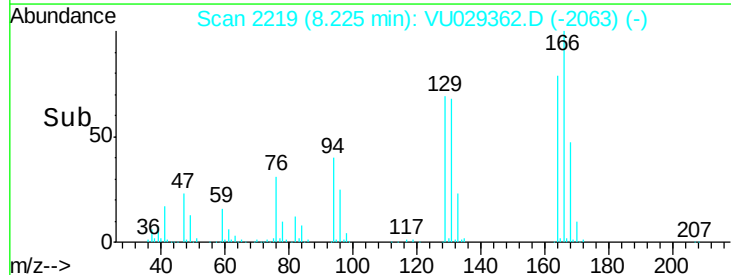
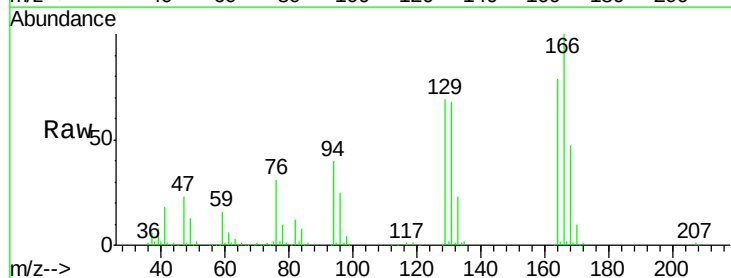
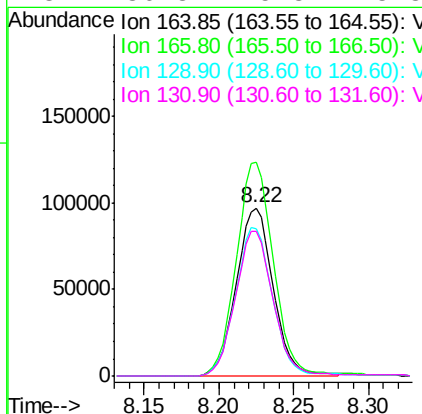
Manual Integrations
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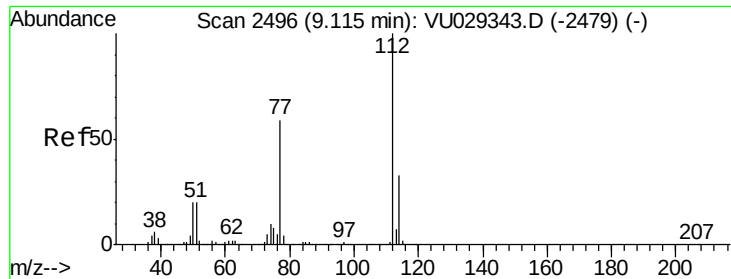
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#58
Tetrachloroethene
Concen: 10.719 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	106.6	159.8
129	87.8	79.9	119.9
131	86.3	75.8	113.8





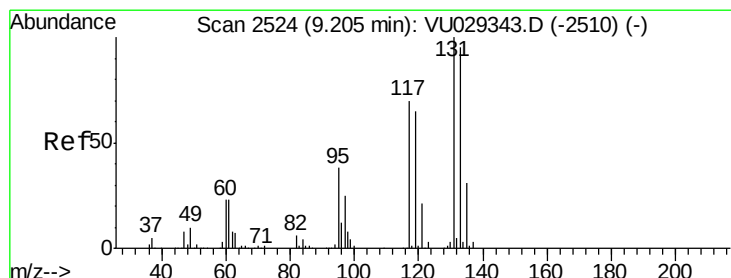
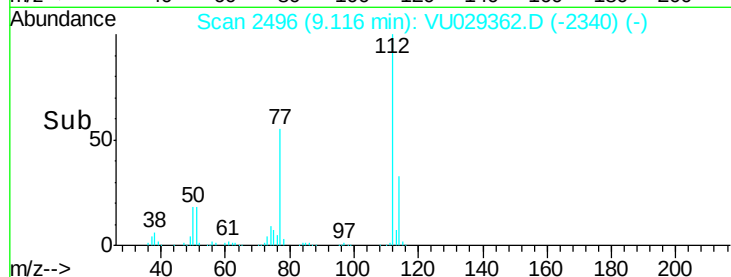
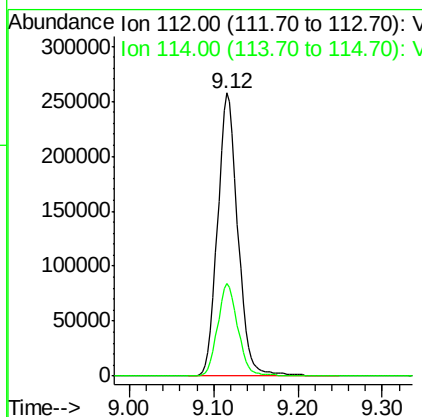
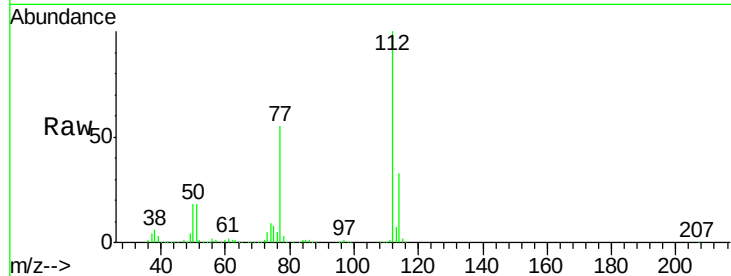
#59
Chlorobenzene
Concen: 10.306 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.2	39.4

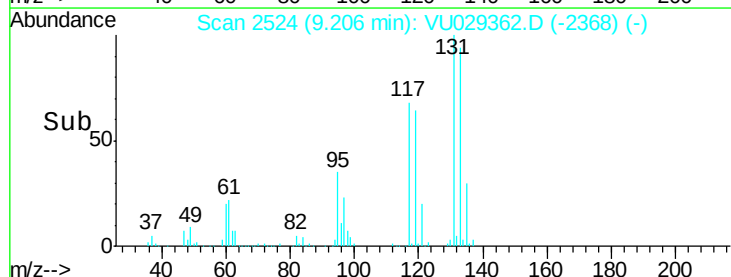
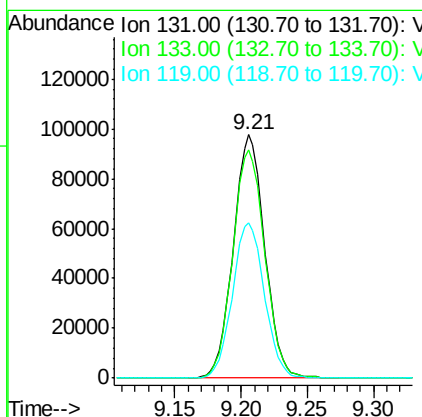
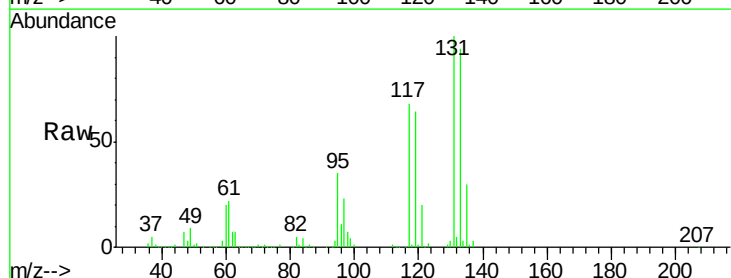
Manual Integrations
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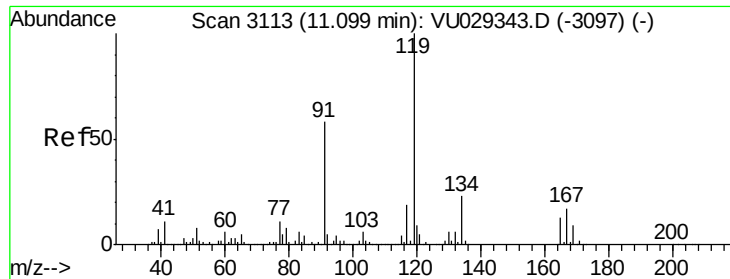
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#60
1,1,1,2-Tetrachloroethane
Concen: 10.382 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	77.3	115.9
119	64.9	48.9	73.3





#61

Pentachloroethane

Concen: 10.272 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

Tot Ion:117 Resp: 123227

Ion Ratio Lower Upper

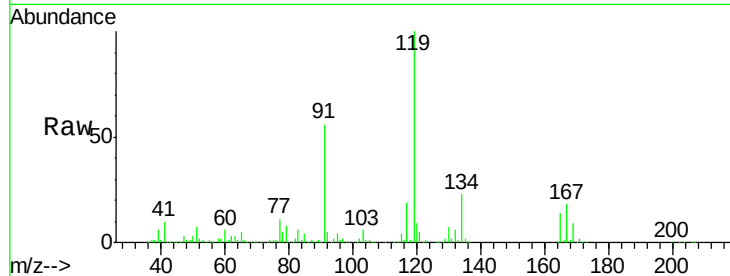
117 100

167 96.3 65.9 98.9

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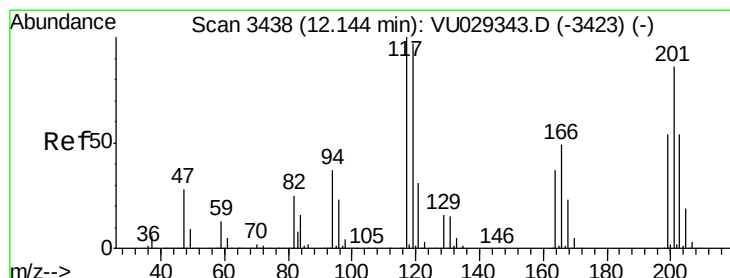
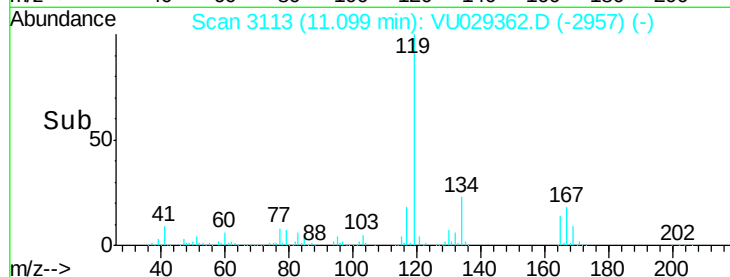
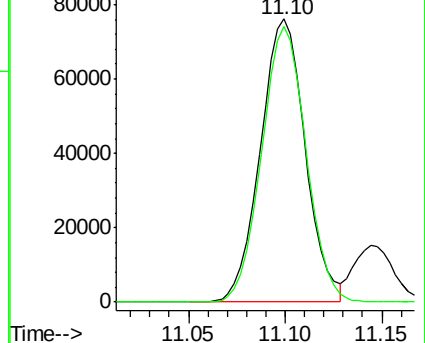
sam

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 10.445 ug/l

RT: 12.14 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VU029362.D

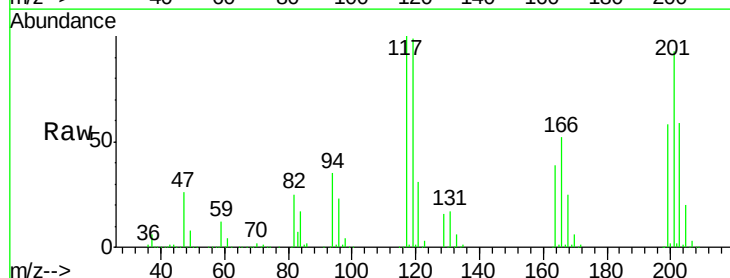
Acq: 06 Feb 2019 15:13

Tgt Ion:117 Resp: 136754

Ion Ratio Lower Upper

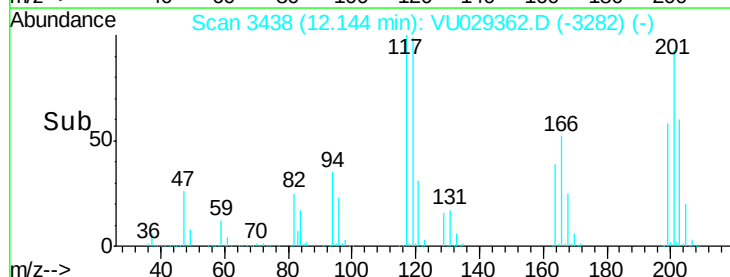
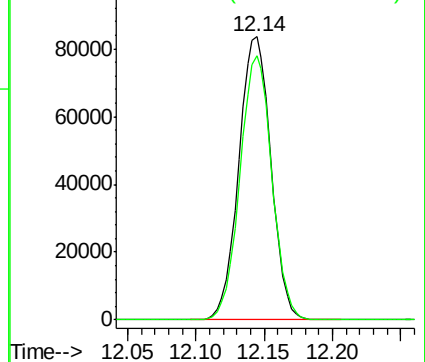
117 100

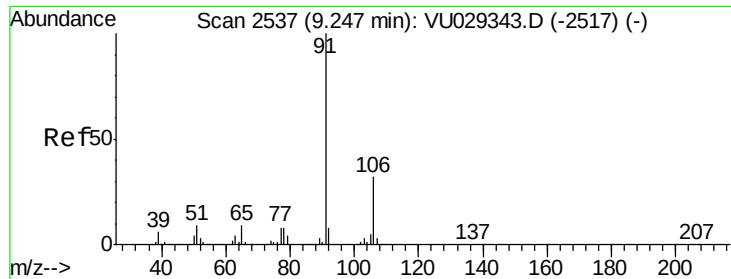
201 92.0 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





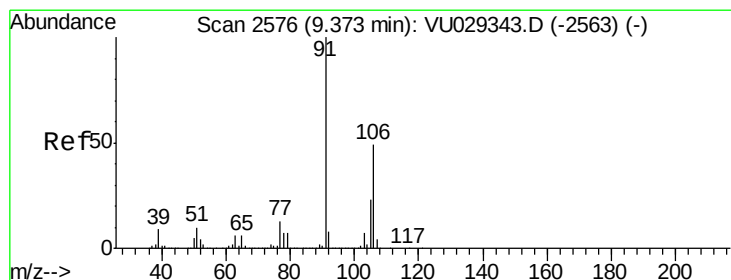
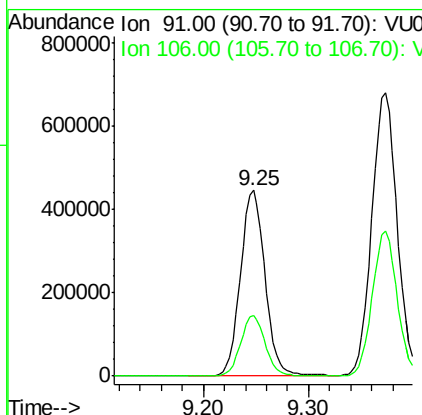
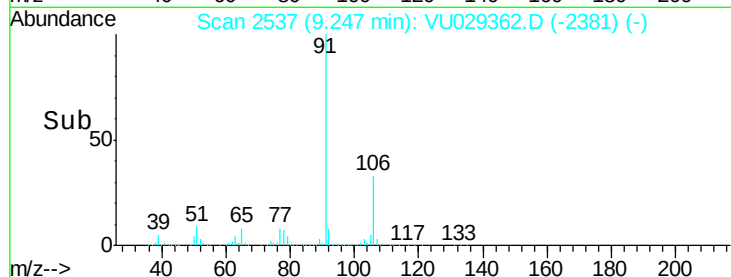
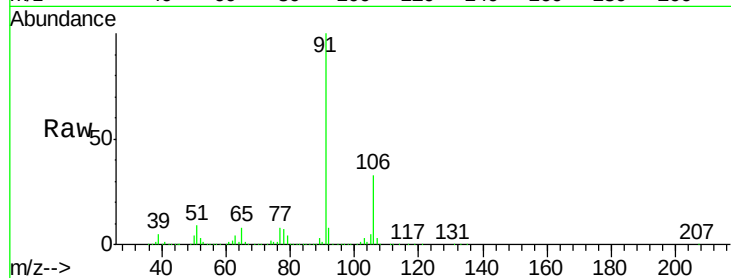
#63
Ethyl Benzene
Concen: 9.962 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.8	23.8	35.6

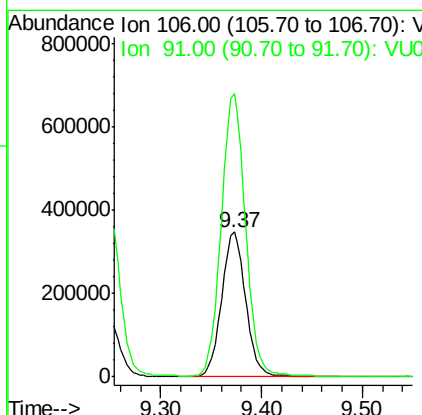
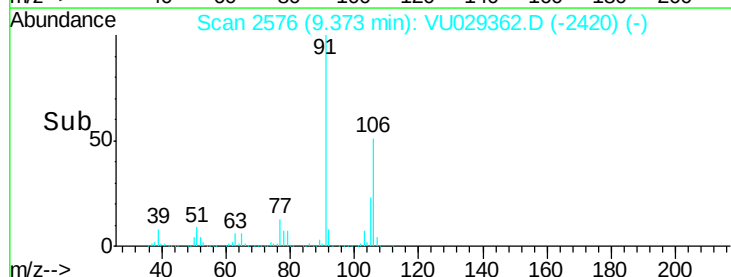
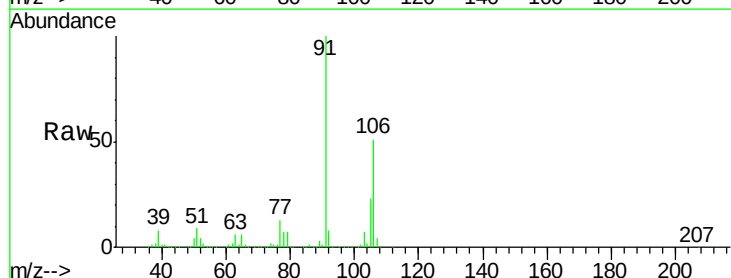
Manual Integrations
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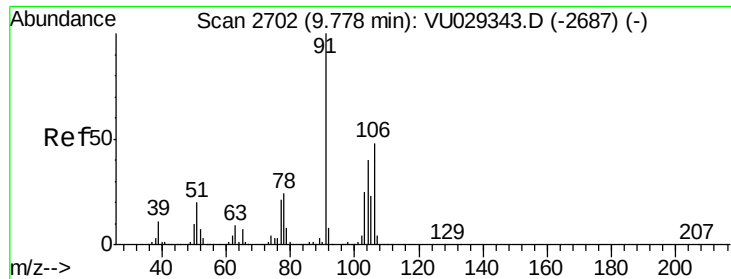
sam
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#64
m/p-Xylenes
Concen: 20.483 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion	Ratio	Lower	Upper
106	100		
91	196.9	174.6	261.8





#65

o-Xylene

Concen: 10.266 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

Tot Ion:106 Resp: 284880

Ion Ratio Lower Upper

106 100

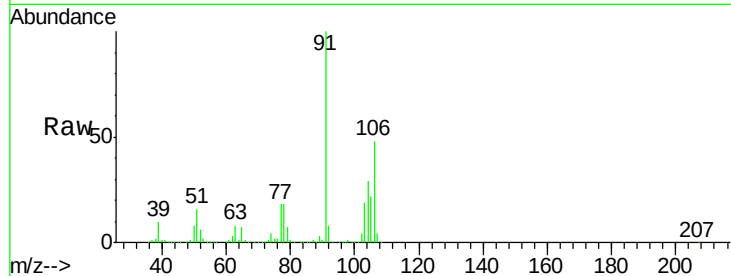
91 205.5 114.5 343.4

Manual Integrations

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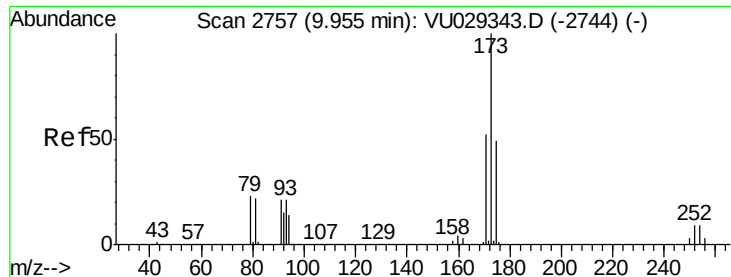


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#67

Bromoform

Concen: 10.543 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

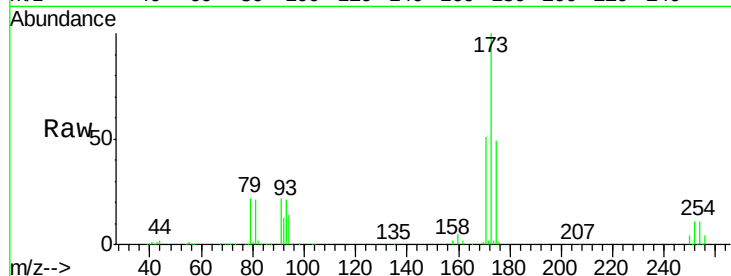
ClientSampleId :

VSTD01052

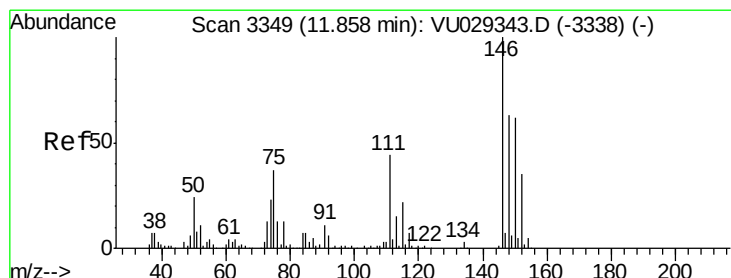
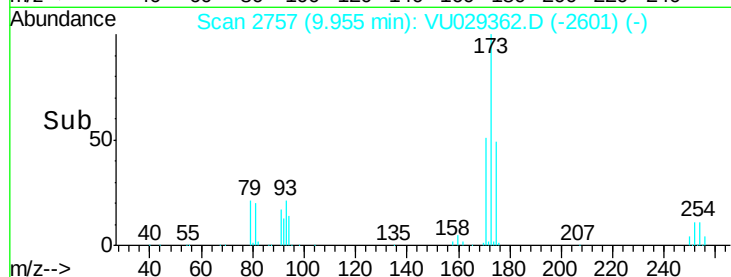
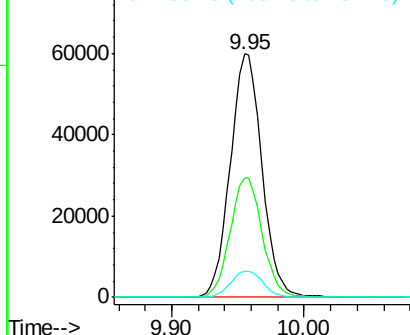
Tot Ion:	173	Resp:	99418
Ion Ratio	Lower	Upper	
173	100		
175	49.6	38.9	58.3
254	11.0	7.4	11.2

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



#68

1,2-Dichlorobenzene-d4

Concen: 10.543 ug/l

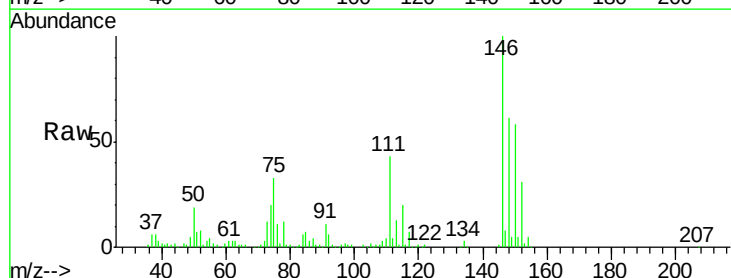
RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

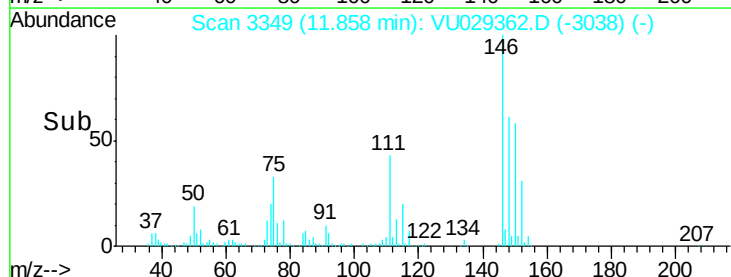
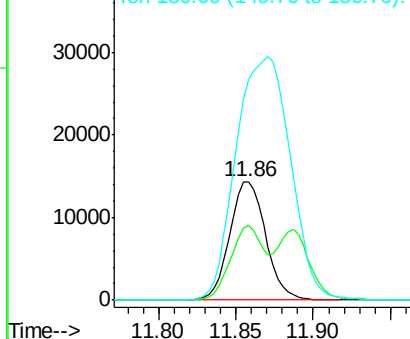
Lab File: VU029362.D

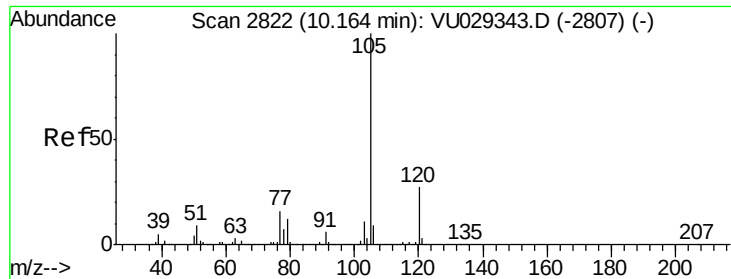
Acq: 06 Feb 2019 15:13

Tgt Ion:	152	Resp:	23020
Ion Ratio	Lower	Upper	
152	100		
115	57.5	0.0	133.4
150	312.6	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: 10.189 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

Tot Ion: 105 Resp: 755370

Ion Ratio Lower Upper

105 100

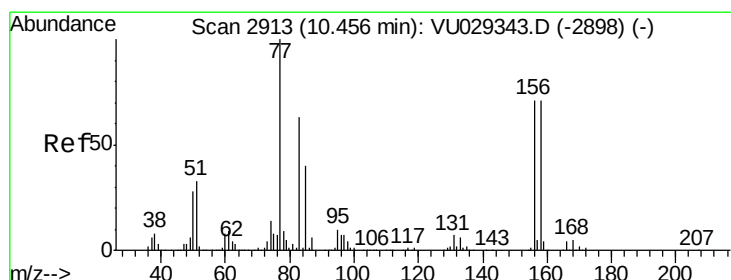
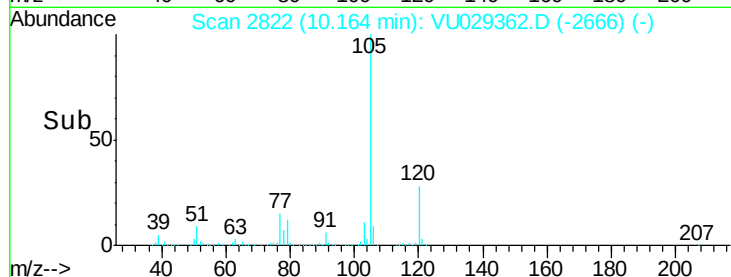
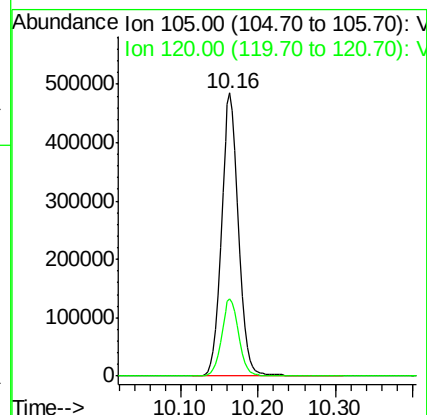
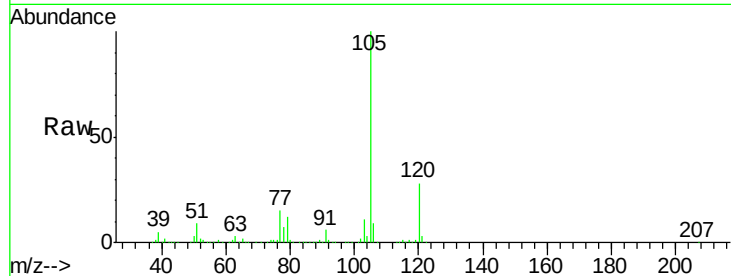
120 27.6 12.6 37.6

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 9.915 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

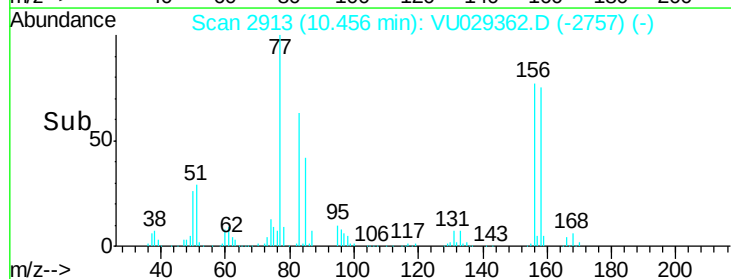
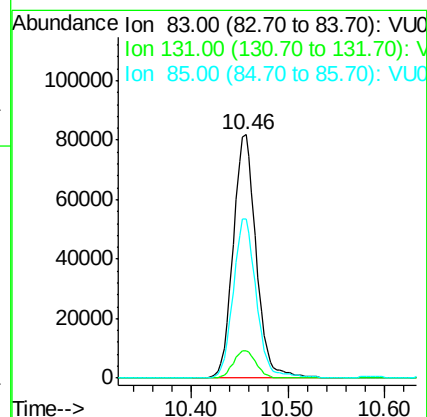
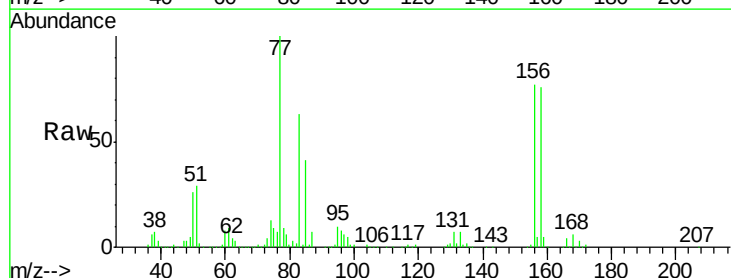
Tgt Ion: 83 Resp: 135529

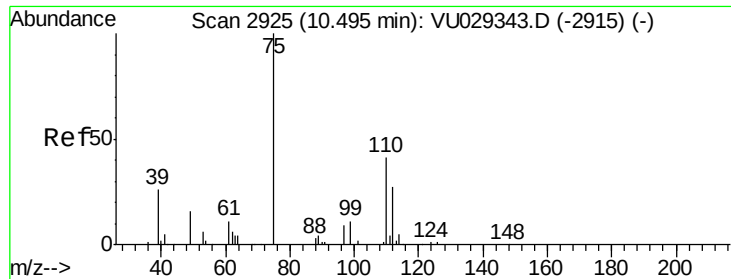
Ion Ratio Lower Upper

83 100

131 11.1 8.1 12.1

85 65.9 50.3 75.5





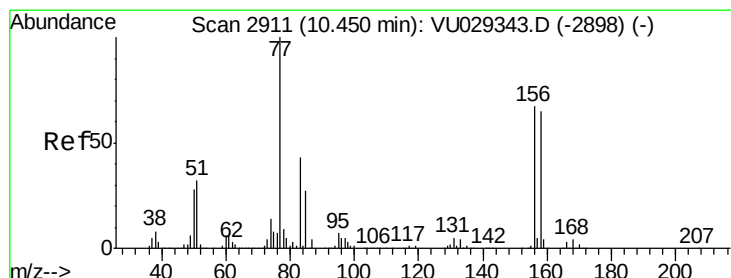
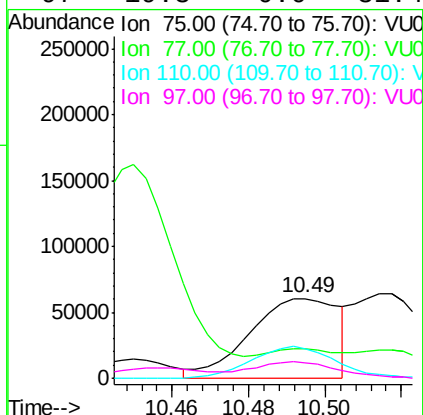
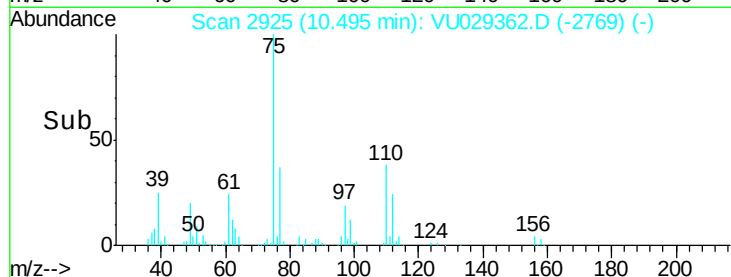
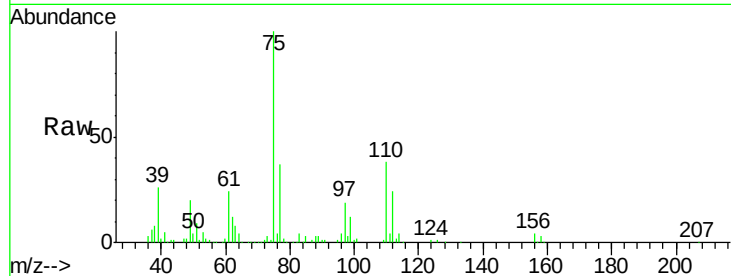
#71
 1,2,3-Trichloropropane
 Concen: 10.471 ug/l m
 RT: 10.49 min Scan# 2925
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	75	100	98287		
77	77	0.0	0.0	0.0	0.0
110	110	38.3	0.0	0.0	63.6
97	97	19.3	0.0	0.0	31.4

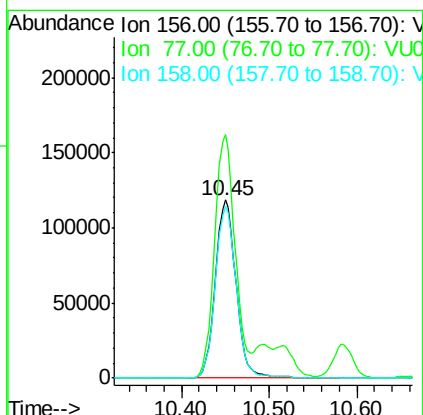
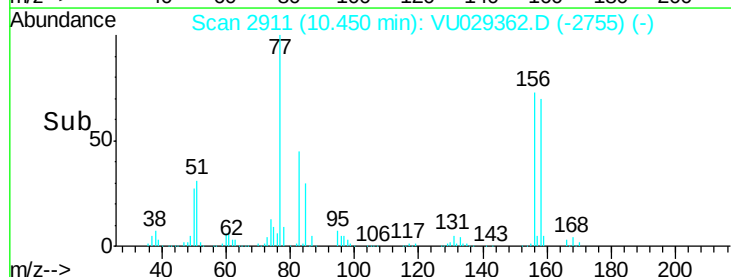
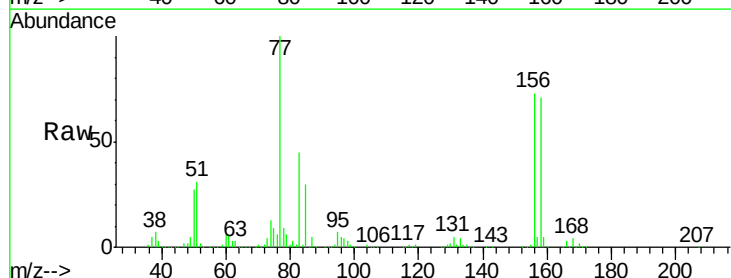
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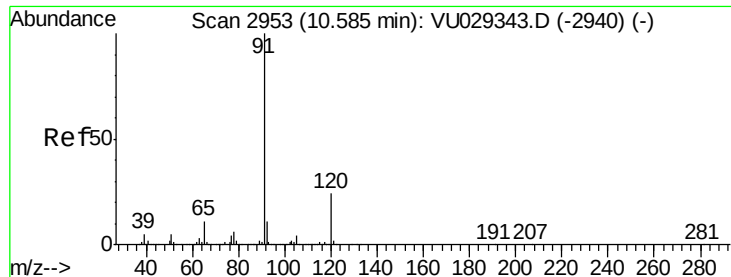
sam
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#72
 Bromobenzene
 Concen: 10.882 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
156	156	100	195551		
77	77	135.6	0.0	0.0	343.8
158	158	97.5	0.0	0.0	195.0





#73

n-propylbenzene

Concen: 10.578 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

Tot Ion:120 Resp: 218427

Ion Ratio Lower Upper

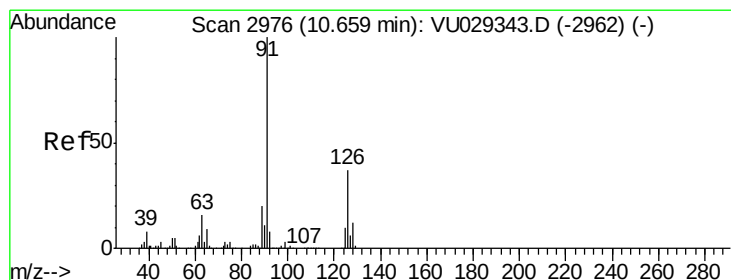
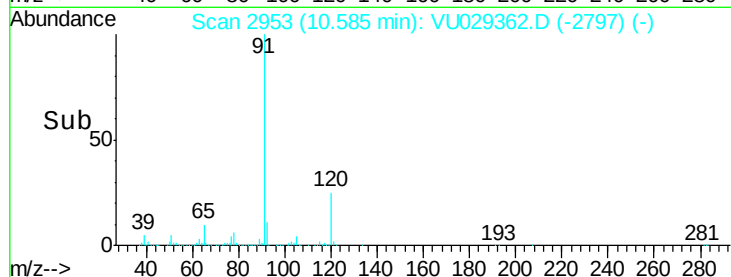
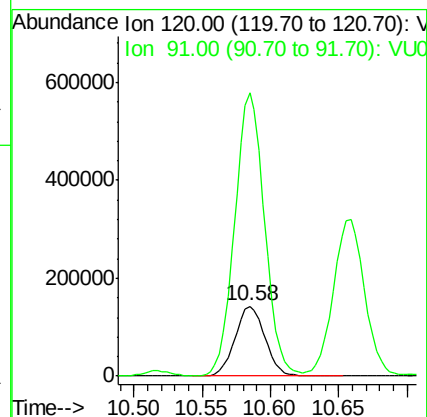
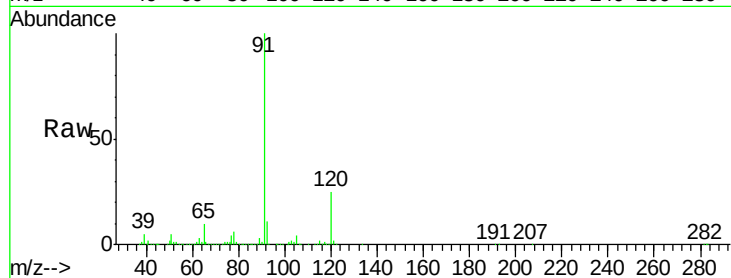
120 100

91 400.9 370.0 555.0

Manual Integrations
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#74

2-Chlorotoluene

Concen: 10.556 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029362.D

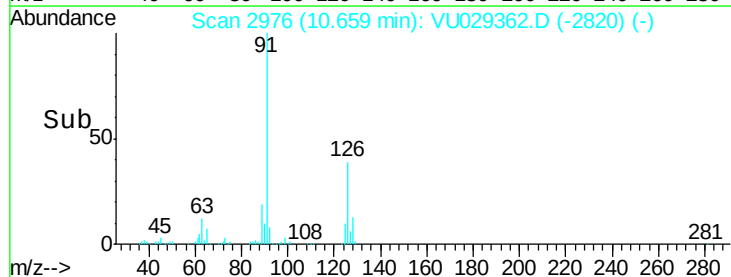
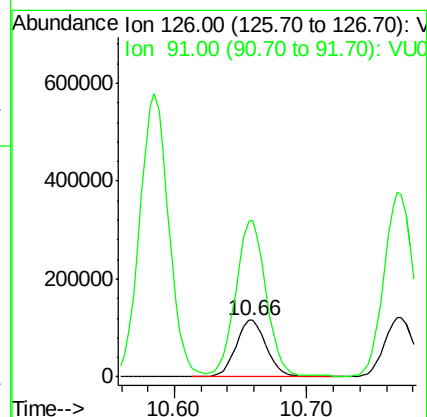
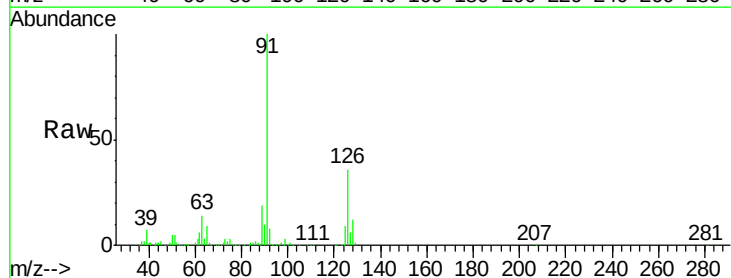
Acq: 06 Feb 2019 15:13

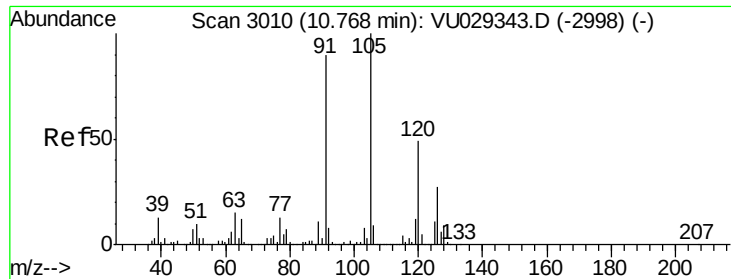
Tgt Ion:126 Resp: 185610

Ion Ratio Lower Upper

126 100

91 276.4 0.0 643.0





#75

1,3,5-Trimethylbenzene

Concen: 10.128 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

Tot Ion:105 Resp: 647357

Ion Ratio Lower Upper

105 100

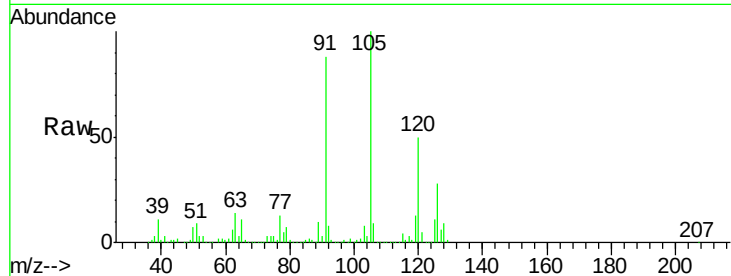
120 49.8 37.3 55.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.77

400000

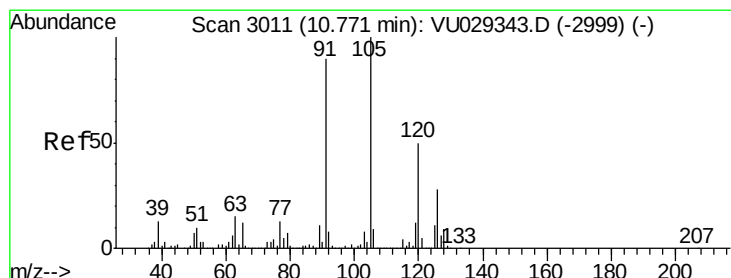
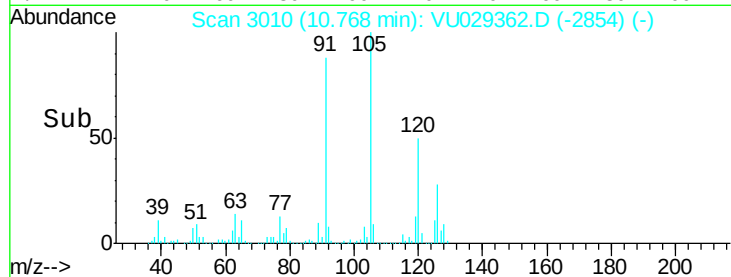
300000

200000

100000

0

Time-->



#76

4-Chlorotoluene

Concen: 10.579 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029362.D

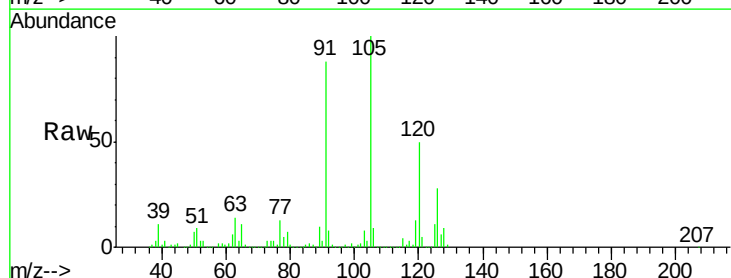
Acq: 06 Feb 2019 15:13

Tgt Ion:126 Resp: 193053

Ion Ratio Lower Upper

126 100

91 308.8 0.0 727.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

400000

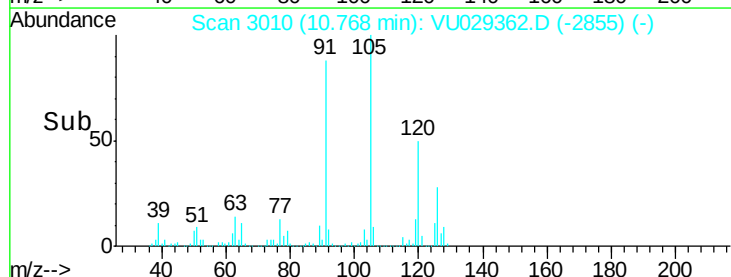
300000

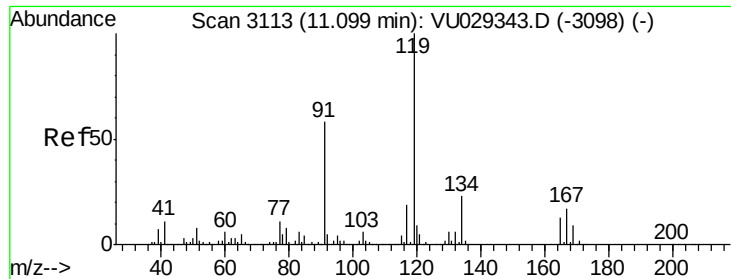
200000

100000

0

Time-->





#77

tert-Butylbenzene

Concen: 10.284 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

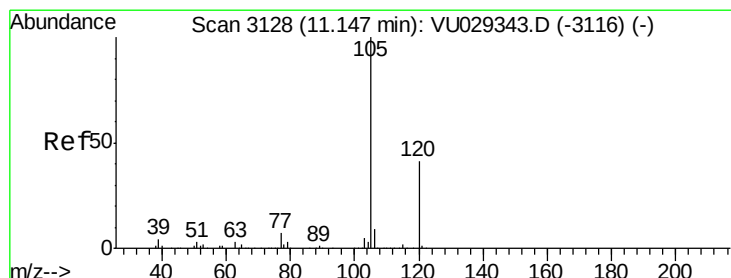
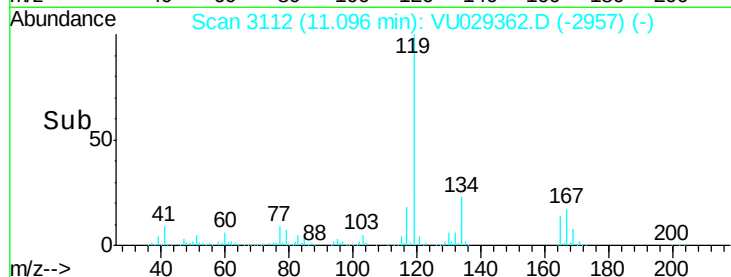
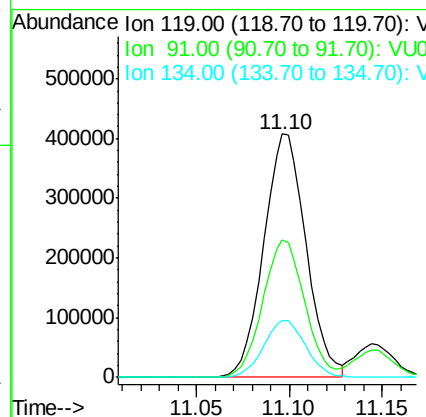
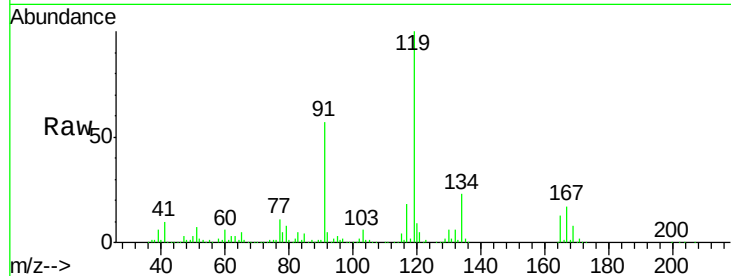
ClientSampleId :

VSTD01052

Tot Ion:	119	Resp:	649735
Ion Ratio	Lower	Upper	
119	100		
91	55.7	32.2	96.6
134	23.4	17.6	26.4

Manual Integrations
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#78

1,2,4-Trimethylbenzene

Concen: 10.141 ug/l

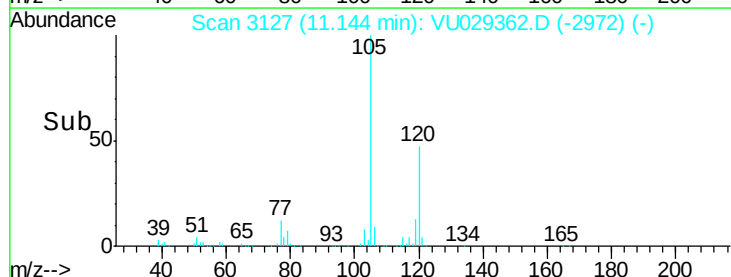
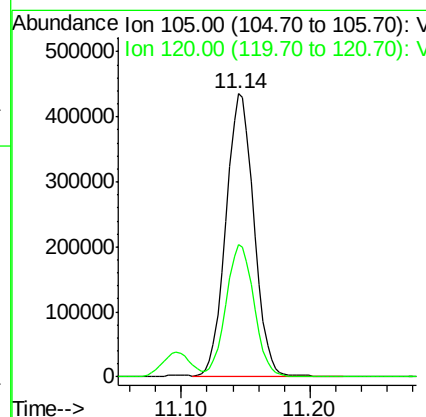
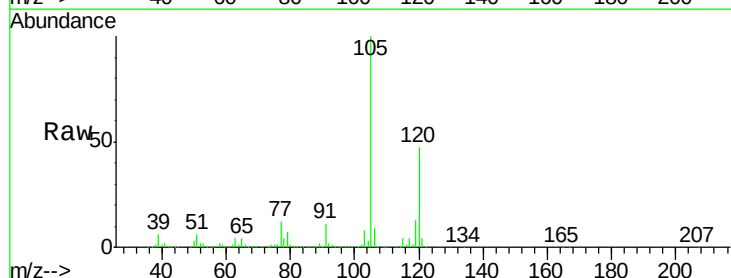
RT: 11.14 min Scan# 3127

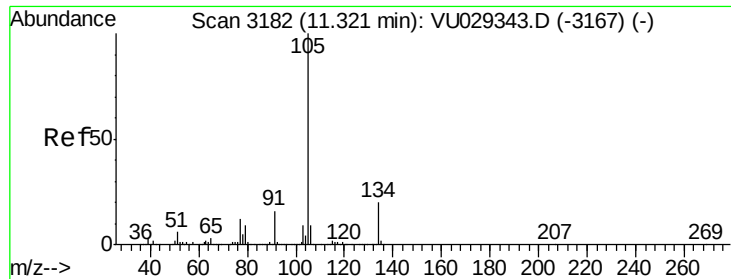
Delta R.T. -0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Tgt Ion:	105	Resp:	656224
Ion Ratio	Lower	Upper	
105	100		
120	46.9	21.4	64.3





#79

sec-Butylbenzene

Concen: 10.220 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

VSTD01052

Tot Ion:105 Resp: 844840

Ion Ratio Lower Upper

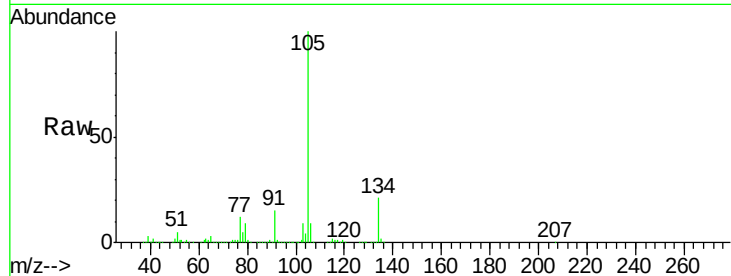
105 100

134 21.0 15.0 22.6

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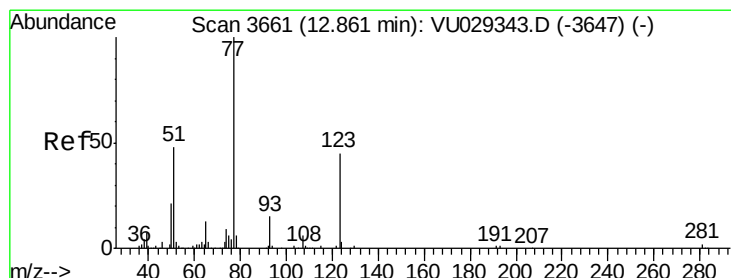
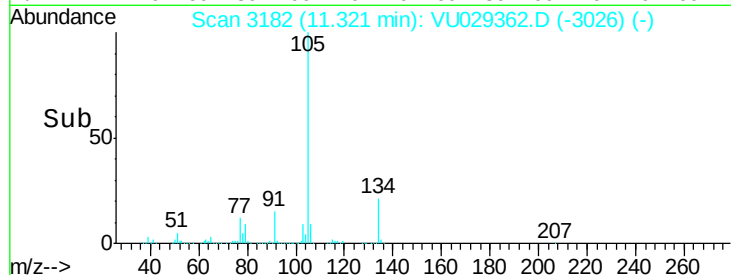
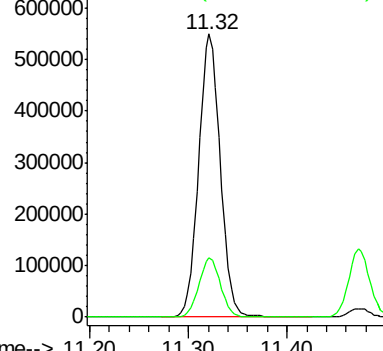
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 49.834 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. 0.00 min

Lab File: VU029362.D

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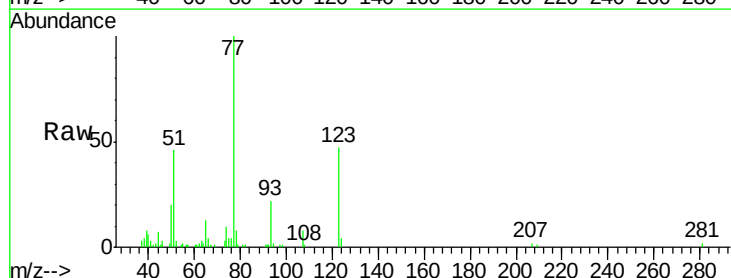
Tgt Ion: 77 Resp: 30349

Ion Ratio Lower Upper

77 100

123 46.2 17.5 61.9

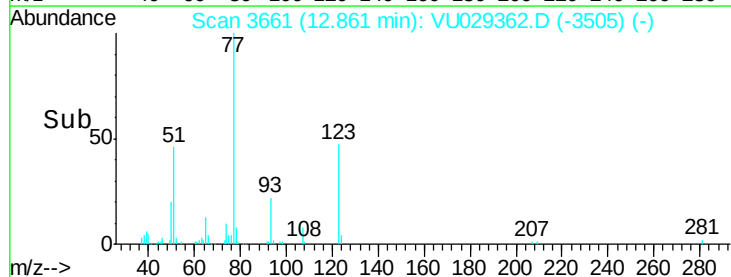
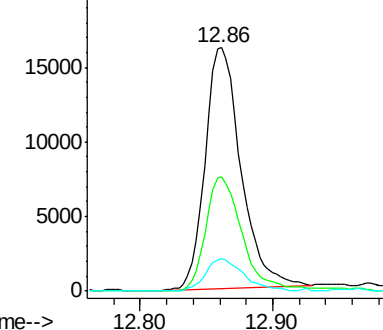
65 14.2 10.8 13.8#

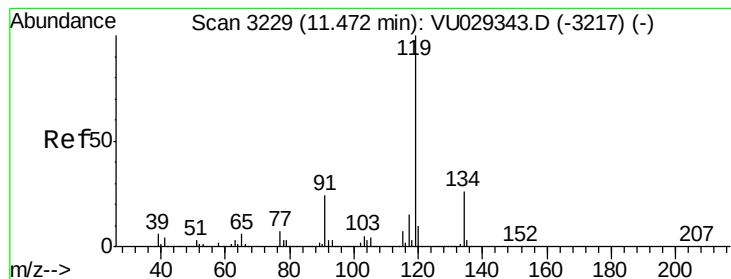


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 10.490 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Instrument :

MSVOA_U

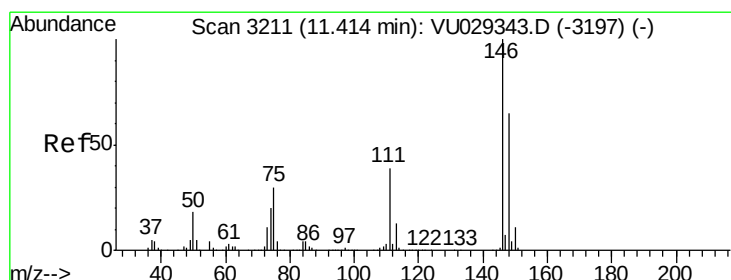
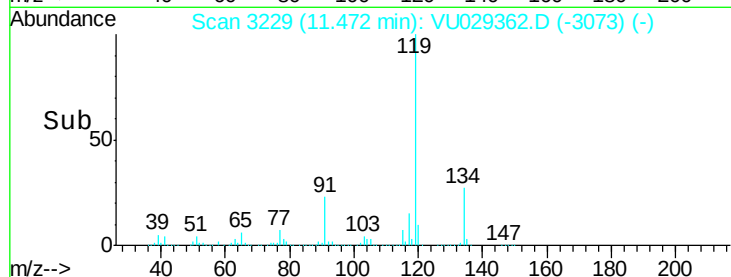
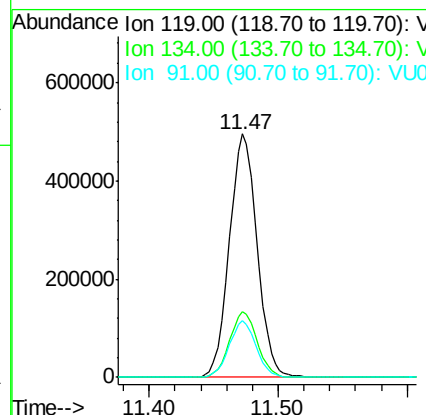
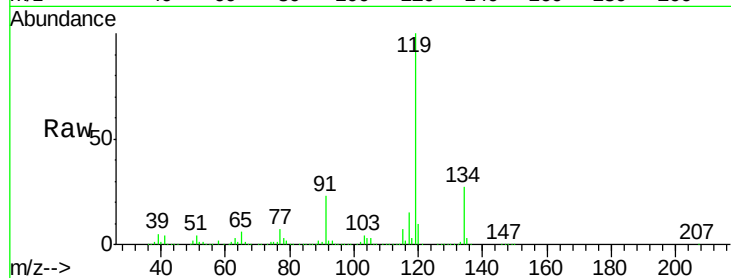
ClientSampleId :

VSTD01052

Tot Ion:	119	Resp:	735082
Ion Ratio	Lower	Upper	
119	100		
134	27.1	19.8	29.6
91	22.7	21.5	32.3

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#82

1,3-Dichlorobenzene

Concen: 10.807 ug/l

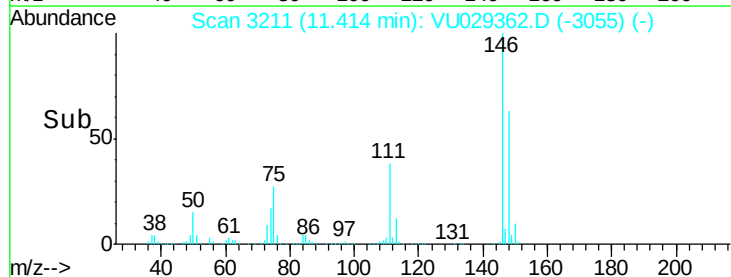
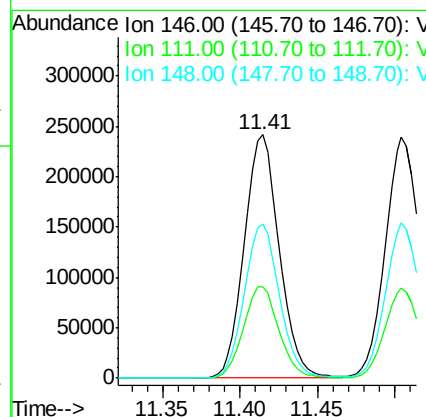
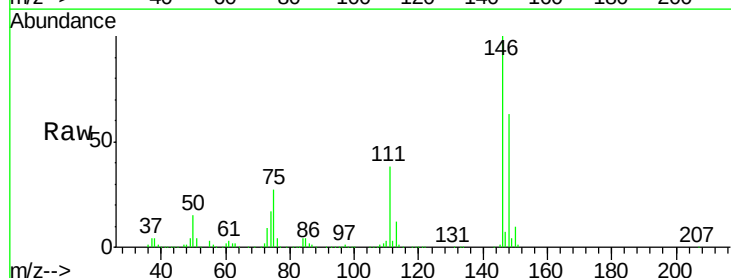
RT: 11.41 min Scan# 3211

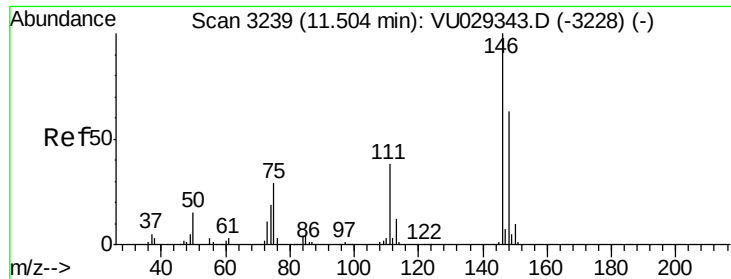
Delta R.T. 0.00 min

Lab File: VU029362.D

Acq: 06 Feb 2019 15:13

Tgt Ion:	146	Resp:	381010
Ion Ratio	Lower	Upper	
146	100		
111	37.9	34.1	51.1
148	63.6	52.3	78.5





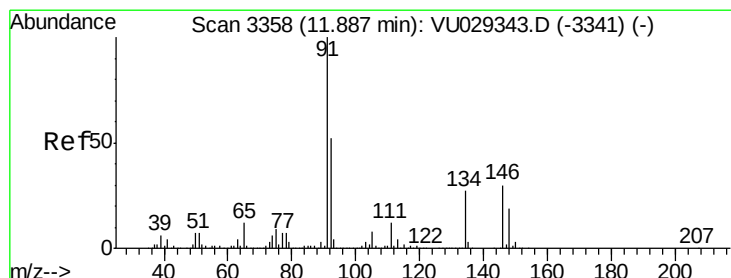
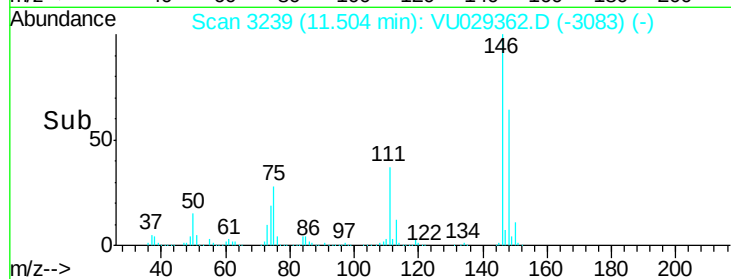
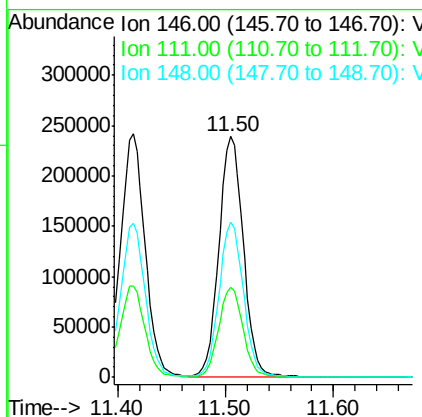
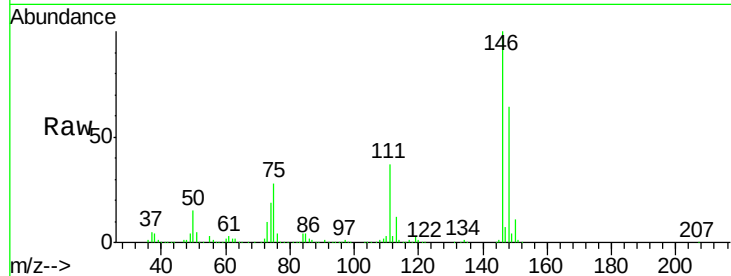
#83
 1,4-Dichlorobenzene
 Concen: 10.760 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	32.9	49.3
148	64.1	51.8	77.6

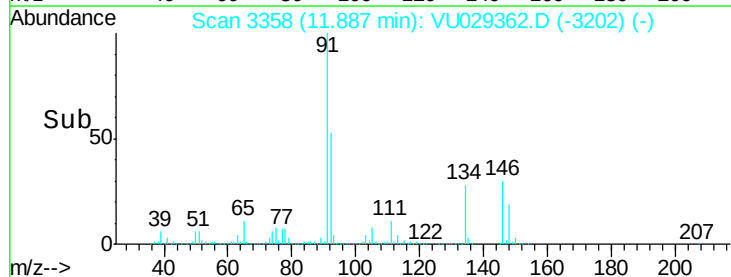
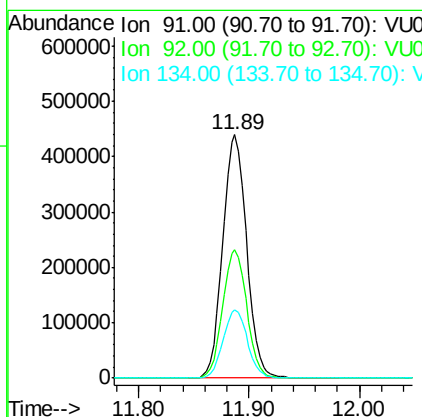
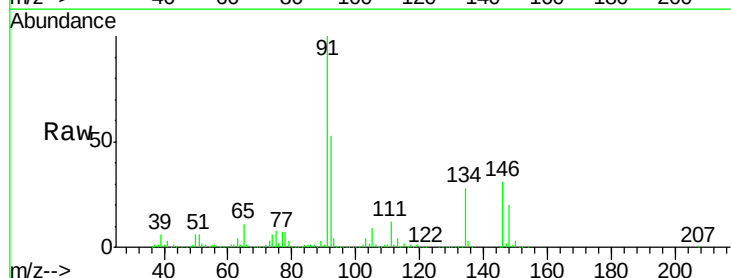
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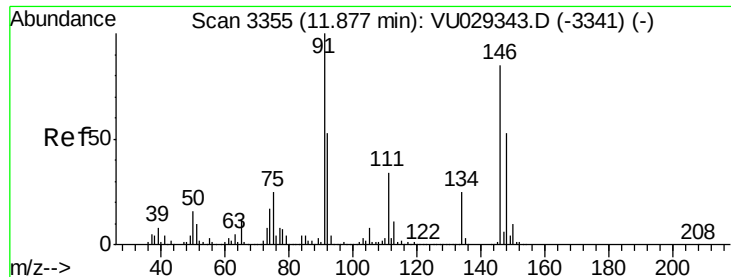
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#84
 n-Butylbenzene
 Concen: 10.260 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	41.0	61.6
134	28.5	19.1	28.7





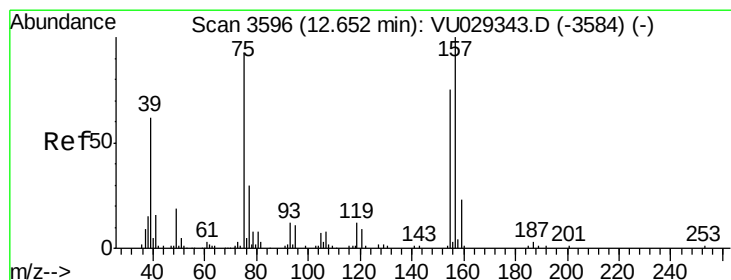
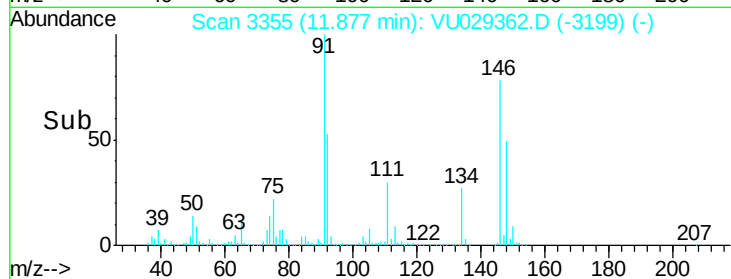
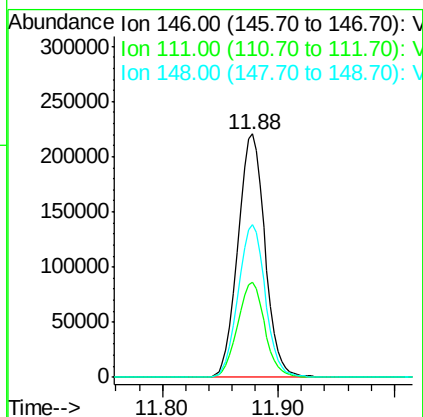
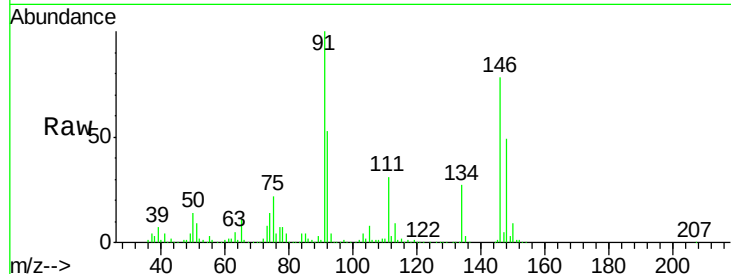
#85
 1,2-Dichlorobenzene
 Concen: 10.681 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.9	65.8
148	63.1	31.8	95.3

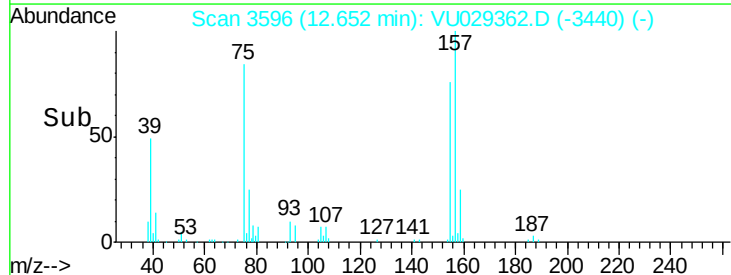
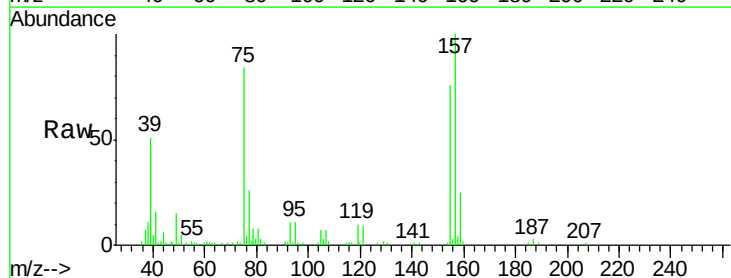
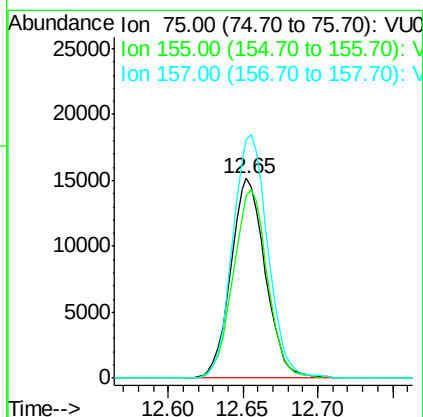
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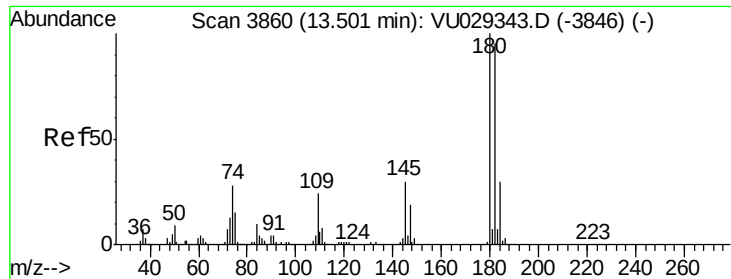
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 9.544 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.4	53.8	80.8#
157	124.0	69.2	103.8#





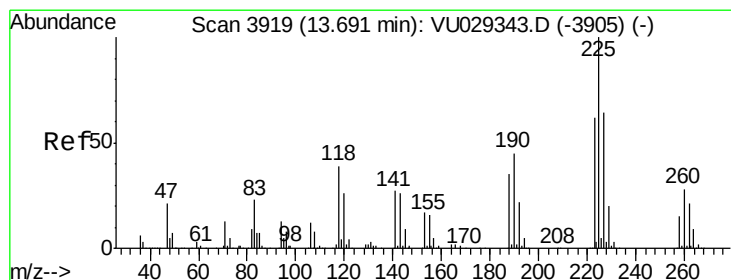
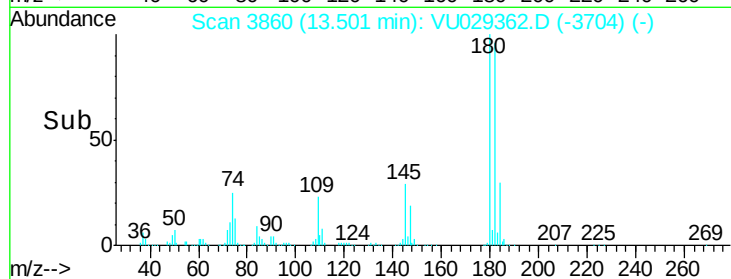
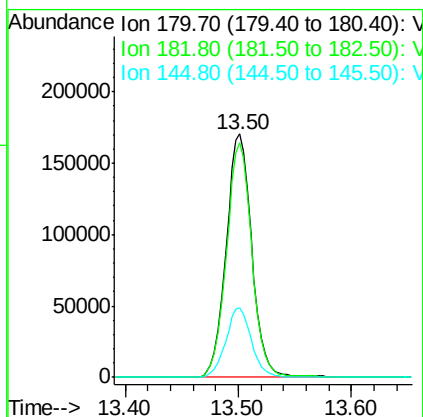
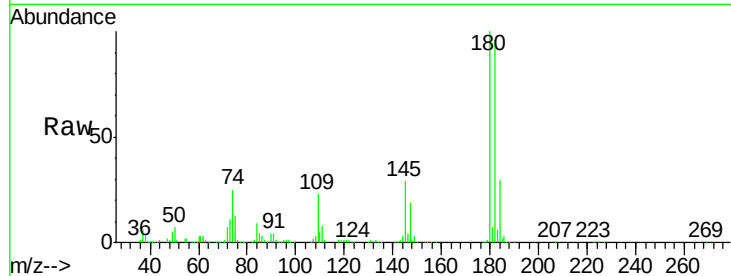
#87
 1,2,4-Trichlorobenzene
 Concen: 11.436 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

Tot Ion	Ratio	Resp	Lower	Upper
180	100	267766		
182	95.9	76.6	114.8	
145	28.6	24.6	36.8	

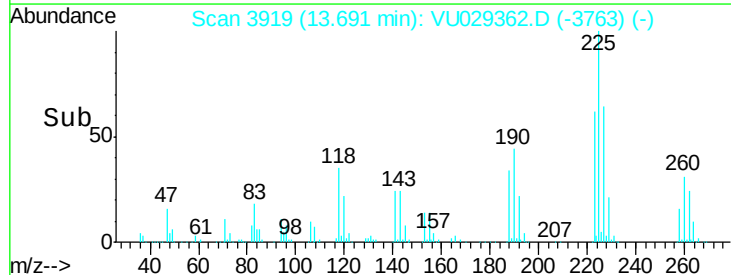
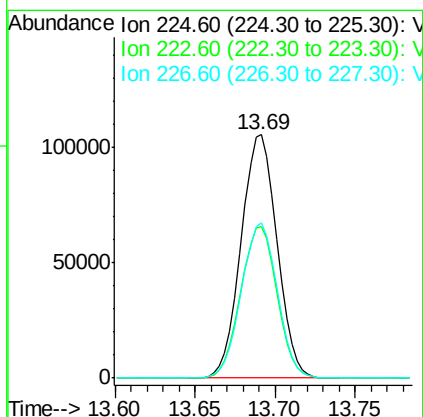
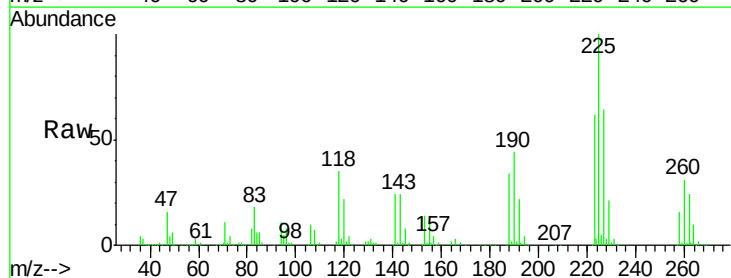
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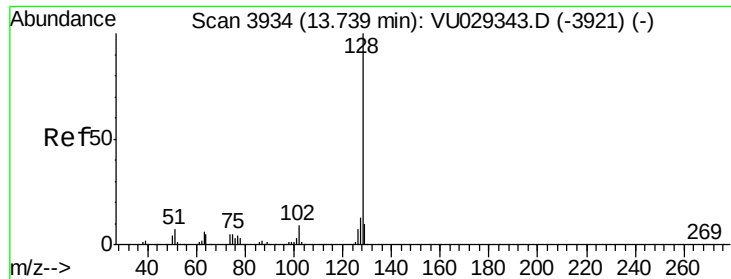
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#88
 Hexachlorobutadiene
 Concen: 11.910 ug/l
 RT: 13.69 min Scan# 3919
 Delta R.T. 0.00 min
 Lab File: VU029362.D
 Acq: 06 Feb 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	161502		
223	63.1	49.5	74.3	
227	63.8	50.4	75.6	





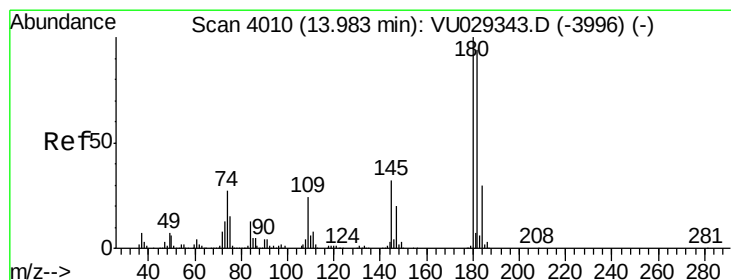
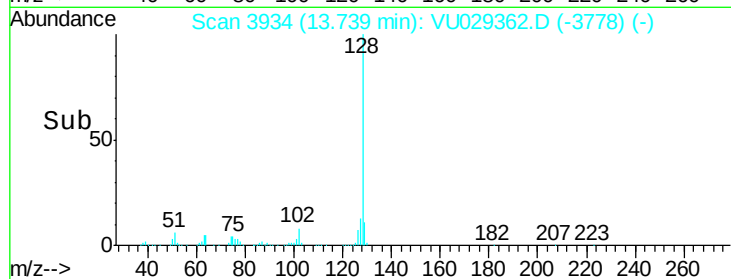
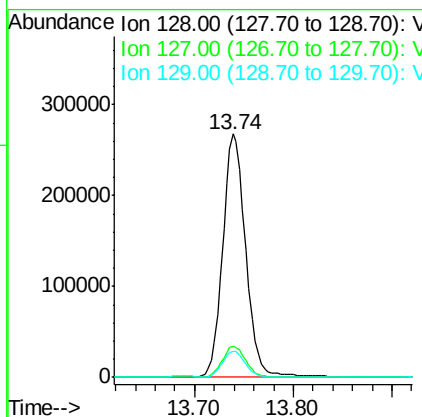
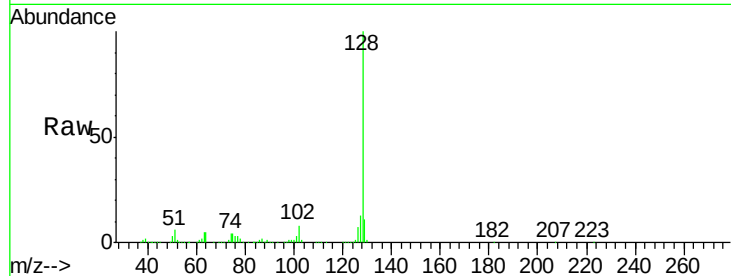
#89
Naphthalene
Concen: 11.026 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
VSTD01052

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.7	16.1
129	10.6	8.2	12.4

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#90
1,2,3-Trichlorobenzene
Concen: 11.214 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU029362.D
Acq: 06 Feb 2019 15:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	78.0	117.0
145	29.6	26.6	39.8

